

Surface Water Supply of the United States 1955

Part 2-B. South Atlantic Slope and Eastern
Gulf of Mexico Basins, Ogeechee River to
Pearl River

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1384

*Prepared in cooperation with the States
of Alabama, Florida, Georgia,
Louisiana, and Mississippi, and with
other agencies*



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Prepared under the direction of J. V. B. WELLS, Chief, Surface Water Branch

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UNITED STATES DEPARTMENT OF THE INTERIOR

FRED A. SEATON, *Secretary*

GEOLOGICAL SURVEY

Thomas B. Nolan, *Director*

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Alabama, Florida, Georgia, Louisiana, and Mississippi, and with other agencies, by personnel of the Water Resources Division, C. G. Paulsen, chief, under the general direction of J. V. B. Wells, chief, Surface Water Branch, and B. J. Peterson, chief, Annual Reports Section.

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CALENDAR FOR WATER YEAR 1955

OCTOBER 1954

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JANUARY 1955

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JUNE 1955

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AUGUST 1955

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SEPTEMBER 1955

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SCOPE OF WORK

This volume is one of a series of 18 reports presenting measurement of stage, discharge, and content of streams, lakes, and reservoirs in the United States during the water year ending September 30, 1955. Since 1888, when the United States Geological Survey first studied streamflow in relation to problems of irrigation, similar measurements have been made at more than 13,250 gaging stations in the 48 States and at many others in the Territories of Alaska and Hawaii. On September 30, 1955, the Geological Survey and cooperating organizations were maintaining 6,860 gaging stations, including those in Alaska and Hawaii. Discharge measurements only were made at many other points in the 1955 water year, most of which are published at the end of each report. The name of each stream measured at points other than gaging stations is not listed in the index to this report. Only the major basins in which measurements were made are listed under the item "Discharge measurements" in the index.

COOPERATION

Many State, municipal, and private organizations have cooperated with the Geological Survey in this work by either furnishing or helping to collect data. Organizations that supplied data are acknowledged in station descriptions, and organizations that assisted in the collection of data through cooperative agreements with the Survey are:

Alabama: State Geological Survey, W. B. Jones, State geologist; State Highway Department, H. L. Nelson, director; State Department of Conservation, W. H. Drinkard, commissioner; and the city of Birmingham, J. W. Morgan, mayor.

Florida: State Geological Survey, Herman Gunter, director; State Park Service, E. L. Hill, director; State Road Department, C. M. Webb, chairman, succeeded by W. E. Jones; State Trustees of Internal Improvement Fund, F. C. Elliot, engineer and secretary; Dade County, E. A. Anderson, county engineer; Pinellas County, R. H. Wick, chairman of county commission; Polk County, R. P. Gladney, chairman of county commission; the city of Jacksonville, Haydon Burns, chairman of city commission; the cities of Miami and Miami Beach, W. A. Glass, director of Miami Department of Water and Sewers, succeeded by C. F. Wertz, C. A. Renshaw, city manager, Miami Beach; city of Pensacola, O. J. Semmes, Jr., city manager; city of Perry, W. T. Pace, mayor; the city of Tampa, J. S. Long, superintendent of water department, succeeded by L. J. Cobb, Jr.; and the Central and Southern Florida Flood Control District, W. T. Wallis, secretary.

Georgia: State Department of Mines, Mining and Geology, Garland Peyton, director, and State Highway Department of Georgia, W. A. Blasingame, chairman, State Highway Board.

Louisiana: State Department of Public Works, R. T. Sessums, director, succeeded by C. T. Watts.

Mississippi: State Geological Survey, W. C. Morse, director.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records published herein for 112 gaging stations, of which

28 were in Alabama, 32 in Florida, 29 in Georgia, 1 in Louisiana, and 22 in Mississippi.

The following organizations aided in collecting records:

Florida: Florida Power Corporation.

Georgia: The Georgia Power Co., Crisp County Power Commission, and the cities of Carrollton and Dalton.

DIVISION OF WORK

The stream-gaging work was done by the Water Resources Division of the Geological Survey, under the direction of personnel shown in the preface. The data for stations in the several States were collected and prepared for publication in the district offices listed below.

<u>State</u>	<u>District office</u>	<u>Address</u>
Alabama <u>a/</u>	Montgomery.....	507 New Post Office Building.
Florida <u>b/</u>	Ocala.....	Building 211, Camp Roosevelt.
Georgia <u>c/</u>	Atlanta.....	795 Peachtree Street Building.
Louisiana.....	Baton Rouge.....	315 Main Street.
Mississippi.....	Jackson.....	301 Century Building.

a/ Except for Chattahoochee River at Columbia.

b/ Includes North Prong St. Marys River at Moniac, Ga.

c/ Except for North Prong St. Marys River at Moniac, but including Chattahoochee River at Columbia, Ala.

Information of a more detailed nature than that published for most of the gaging stations given in this report is on file in the district offices listed above. Provisional records of discharge prior to publication, and other unpublished data concerning the gaging-station records may usually be obtained from the district office.

DEFINITION OF TERMS AND ABBREVIATIONS

The terms of streamflow and other hydrologic data, as used in this report, are defined as follows:

Cubic foot per second (cfs) is the rate of discharge of a stream whose channel is 1 square foot in cross-sectional area and whose average velocity is 1 foot per second.

Cubic feet per second per square mile (cfs/m) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Runoff in inches is the depth to which an area would be covered if all the water draining from it in a given period were uniformly distributed on its surface. The term is used for comparing runoff with rainfall, which is also usually expressed in inches.

Acre-foot is the quantity of water required to cover an acre to the depth of 1 foot and is equivalent to 43,560 cubic feet. The term is commonly used in relation to storage for irrigation.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.983471 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, a long reach of the channel, or an artificial structure.

Contents is the volume of water in a reservoir. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

The drainage area of a stream at a specified location is that area, measured in a horizontal plane, which is so enclosed by a topographic divide that direct surface runoff from precipitation normally would drain by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

WSP is used as an abbreviation for "Water-Supply Papers" in references to previously published reports.

DOWNSTREAM ORDER OF LISTING GAGING STATIONS

Beginning with the series of reports for the water year ending September 30, 1951, the order of listing gaging-station records was changed. In this report, in a downstream direction along the main stem all stations on a tributary entering above a main-stem station are listed before that station. If a tributary enters between two main-stem stations, it is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. To indicate the rank of any tributary on which a gaging station is situated and the stream to which it is immediately tributary, each indention in the listing of gaging stations in the table of contents of this report represents one rank. This downstream order and system of indention show which gaging stations are on tributaries between any two stations on a main stem and the rank of the tributary on which each gaging station is situated.

The order of listing used before the publication of the 1951 report listed first all stations on the main stem from headwaters toward mouth, then all stations on the uppermost tributary to the main stem from the tributary's source to mouth, and then all stations from source to mouth of the uppermost tributary to the tributary.

EXPLANATION OF DATA

The base data collected at gaging stations consist of records of stage and measurements of discharge. In addition, observations of factors affecting the stage-discharge relation, weather records, and other information are used to supplement base data in determining the daily flow. The records of stage are obtained either from direct readings on a nonrecording gage or from a water-stage recorder that gives a continuous record of fluctuations. Measurements of discharge are made with a current meter by the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in Water-Supply Paper 888 and are also outlined in standard textbooks on the measurement of stream discharge. Typical structures in use at gaging stations are shown in figure 1.

Rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect determinations of peak discharge (such as slope-area or contracted-opening determinations, computation of flow over dams or weirs, and by other methods), velocity-area studies, and logarithmic plotting. The application of the daily mean gage height to those rating tables gives the daily mean discharge, from which the monthly and the yearly mean discharge are computed. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors



A, PEARL RIVER NEAR COLUMBIA, MISS.



B, LITTLE MANATEE RIVER NEAR WIMAUMA, FLA.

FIGURE 1.—GAGING-STATION STRUCTURES.

based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is essentially the shifting-control method.

At some gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. Information requisite for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage. If so, the rate of change in stage is used as a factor in the determination of discharge.

At most gaging stations in the northern part of the United States and at some in the mountainous regions of other parts the stage-discharge relation is affected by ice during the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and engineers, and comparable records of discharge for other stations in the same or nearby basins. If the stage-discharge relation is affected by ice, this information is given in a note to the table. No mention is made of occasional days of ice effect if the degree of accuracy of daily records is not changed.

The data herein presented generally comprise a description of the station, a skeleton rating table, and a table showing the daily discharge and monthly and yearly discharge and runoff of the stream. Records are published for the water year which begins on October 1 and ends on September 30. A calendar for the water year 1955 is shown on page IV for the purpose of finding the day of the week for any date.

The description of the station gives the location, drainage area, records available, type and history of gages, average discharge, extremes of discharge, general remarks, and notations of revisions of the previously published record. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "Location" for some stations, is that determined and used by the Corps of Engineers unless otherwise noted. Under "Records available" are given the periods for which there are published records generally equivalent to those at the present site. Under "Gage" are given the type of gage currently in use and the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of records available. Under "Average discharge" is given the average discharge for the number of years indicated. It is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "Extremes" are given the maximum discharge and gage height; the minimum discharge if there is little or no regulation; the minimum daily discharge if there is extensive regulation (also the minimum discharge if useful); and the minimum gage height (unless it is of no importance). In the first paragraph, the data given are for the complete current water year unless otherwise specified. In the second paragraph, the data given are for the periods of record within the calendar year dates in the heading (not necessarily those for the complete years indicated by the heading dates).

Reliable information concerning major floods that have occurred outside the period of record are given in the third or last paragraph under "Extremes." Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder, a crest-stage indicator, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the records and conditions which affect the natural flow at the gaging station is given under "Remarks."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual reports. In order to make it easier to find such revised records, a paragraph headed "Revisions (water years)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1933 stands for the water year October 1, 1932, to September 30, 1933. If no daily, monthly, or annual figures of discharge are concerned in the revision, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton rating tables are published for all stations except those at which the daily discharge for the greater part of the open-water period was determined by the shifting-control method, the slope method, or other special methods involving an equivalent adjustment to the gage height of more than one-tenth foot. Skeleton rating tables are generally not published for stations on canals.

For stations equipped with water-stage recorders, except those on streams subject to sudden or rapid fluctuation, the daily table gives the discharge corresponding to the daily mean gage height. For stations subject to such fluctuation the daily mean gage height may not indicate the true daily mean discharge, which must be obtained by averaging the discharge for parts of the day or by using the discharge integrator, an instrument for obtaining the daily mean discharge from a continuous gage-height graph and containing, as an essential element, a curve representing the stage-discharge relation at the station. For stations equipped with nonrecording gages, the table of daily discharge gives the discharge corresponding to once-daily readings of the gage, or to the mean of twice-daily readings, or to the mean gage height determined from gage-height graphs based on gage readings. For periods of rapidly changing stage, the daily mean discharge is determined from gage-height graphs based on gage readings, the frequency of which is stated in the station description.

In the table of daily discharge, the figures for the maximum day and the minimum day for

each month are underlined. If the figure is repeated, it is underlined only on the first day of its occurrence.

In the monthly summary below the daily table, the line headed "Total" gives the sum of the daily figures; it is the total cfs-days for the month. The line headed "Mean" gives the average flow in cubic feet per second during the month. Runoff for the month may be expressed in cubic feet per second per square mile (line headed "Cfsm"), or in inches (line headed "In."), or in acre-feet (line headed "Ac-ft"). Figures for cubic feet per second per square mile and runoff in inches are omitted if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges, not the momentary discharges when the water was at crest stage. Likewise, the minimums in this summary are the minimum daily discharges.

Peak discharges and the times of their occurrence and corresponding gage heights of most stations are listed below the table of daily and monthly discharge. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man.

Footnotes to the table of daily discharge indicate periods when discharge was computed or estimated by unusual or special methods during periods of no gage-height record and ice effect, or by other effects that reduce the degree of accuracy of the records. Days on which discharge measurements were made are indicated by asterisk and footnote unless they were made at frequent regular intervals, in which instance the general frequency of discharge measurements is given under "Remarks" in the station description.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is usually given in the first report in which data for the reservoir are published, but it is omitted from succeeding reports.

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description states the degree of accuracy of the records. "Excellent" indicates that, in general, the error in the daily records is believed to be less than 5 percent; "good," less than 10 percent; "fair," less than 15 percent; and "poor," probably more than 15 percent. The records of monthly and yearly mean discharge and runoff are, in general, more nearly accurate than the daily records.

Runoff at some stations, as indicated by the monthly mean, may vary widely from natural runoff, owing to diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and runoff in inches are not published unless storage or diversion records are included to indicate the extent of the regulation or

diversion, or unless satisfactory adjustments can be made for changes in contents of reservoirs or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur when relatively large negative adjustments are made or when evaporation is large in comparison with the observed discharge.

Many gaging stations on streams in the irrigated areas of the United States are situated above most of the diversions from those streams, and therefore the discharge recorded does not actually show the water supply available at the stations for further development, because water must first be supplied to existing irrigation systems.

PUBLICATIONS

To facilitate publication of the annual series of reports, the area of the United States is divided into 14 parts whose boundaries coincide with certain natural drainage lines. Formerly, the results of streamflow measurements were published in 14 volumes, one for each of the 14 parts. Beginning with the reports for 1951, the records are published in 18 volumes, there being 2 volumes each for Parts 1, 2, 3, and 6. The boundaries of the various parts are indicated by the following list and the map in figure 2.

- Part 1. North Atlantic slope basins, in two volumes:
 A, North Atlantic slope basins, Maine to Connecticut.
 B, North Atlantic slope basins, New York to York River.
2. South Atlantic slope and eastern Gulf of Mexico basins, in two volumes:
 A, South Atlantic slope basins, James River to Savannah River.
 B, South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River.
3. Ohio River basin, in two volumes:
 A, Ohio River basin except Cumberland and Tennessee River basins.
 B, Cumberland and Tennessee River basins.
4. St. Lawrence River basin.
5. Hudson Bay and upper Mississippi River basins.
6. Missouri River basin, in two volumes:
 A, Missouri River basin above Sioux City, Iowa.
 B, Missouri River basin below Sioux City, Iowa.
7. Lower Mississippi River basin.
8. Western Gulf of Mexico basins.
9. Colorado River basin.
10. The Great Basin.
11. Pacific slope basins in California.
12. Pacific slope basins in Washington and upper Columbia River basin.
13. Snake River basin.
14. Pacific slope basins in Oregon and lower Columbia River basin.

Water-supply papers and other publications of the Geological Survey containing data on the water resources of the United States may be purchased or consulted as follows:

1. Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., who will, on application, furnish lists giving prices. A list of Geological Survey publications may also be obtained by applying to the Director, Geological Survey, Washington, D. C.
2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.
3. Sets are available for consultation in the offices of the Water Resources Division of the Geological Survey. Addresses of the offices in the area covered by this report are given on page 2.

Early records of the flow of streams in the United States are published in the reports listed below. In many of these reports records for years earlier than those indicated have been included for some streams.

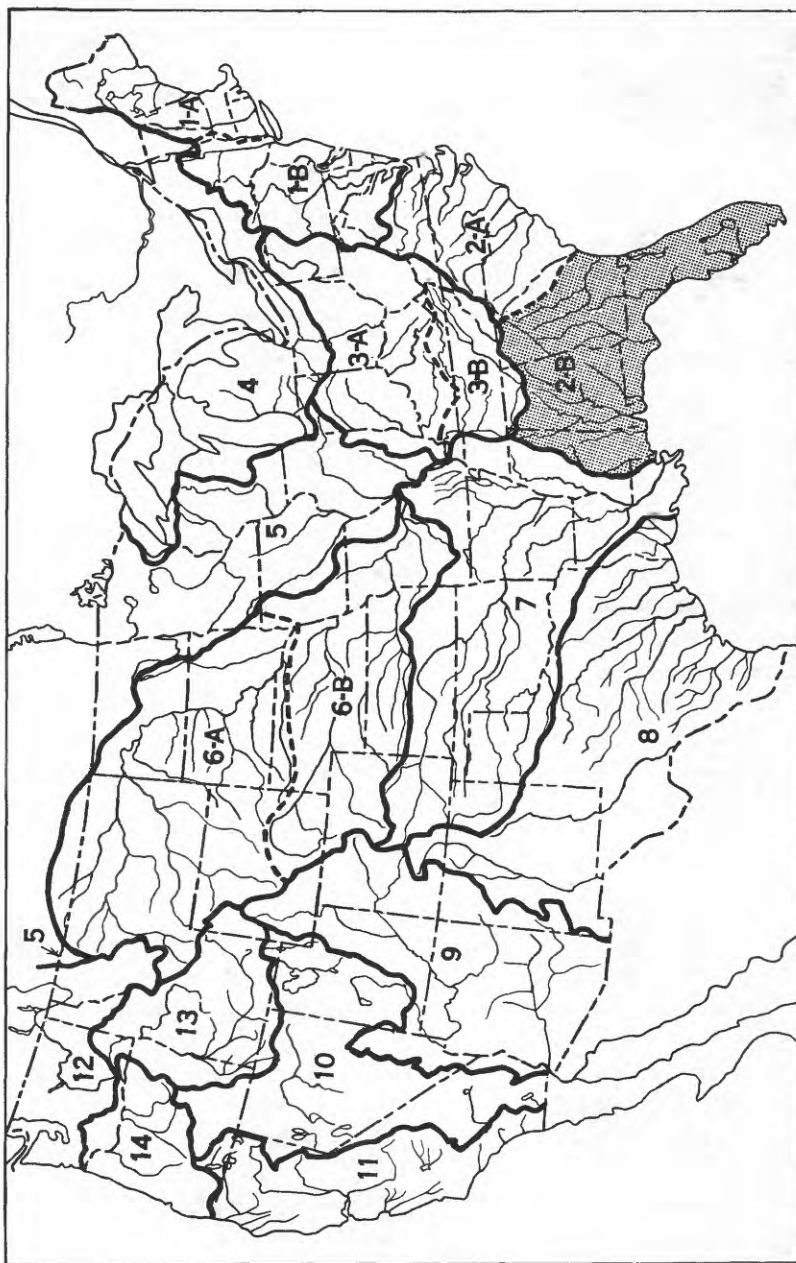


Figure 2.--Map of the United States showing areas covered by the 18 annual volumes on surface-water supply. The area covered by this report is shaded.

Streamflow data for the years 1884-1901, in reports of the Geological Survey

(A = Annual Report; B = Bulletin)

Report	Character of data	Year
10th A, pt. 2	Descriptive information only.	
11th A, pt. 2	Monthly discharge and descriptive information.....	1884 to September 1890.
12th A, pt. 2	.....do.....	1884 to June 30, 1891.
13th A, pt. 3	Monthly discharge.....	1884-92.
14th A, pt. 2	Monthly discharge.....	1888-93.
B 131.....	Descriptions, measurements, gage heights, and ratings.....	1893-94.
16th A, pt. 2	Descriptive information only.	
B 140.....	Descriptions, measurements, gage heights, ratings, and monthly discharge.	1895.
WSP 11.....	Gage heights.....	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge...	1895-96.
WSP 15.....	Descriptions, measurements, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries above Kansas River.	1897.
WSP 16.....	Descriptions, measurements, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries above Kansas River.	1897.
19th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge...	1897.
WSP 27.....	Measurements, ratings, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries.	1898.
WSP 28.....	Measurements, ratings, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries.	1898.
20th A, pt. 4	Monthly discharge.....	1898.
WSP 35 to 39.	Descriptions, measurements, gage heights, and ratings.....	1899.
21st A, pt. 4	Monthly discharge.....	1899.
WSP 47 to 52.	Descriptions, measurements, gage heights, and ratings.....	1900.
22d A, pt. 4.	Monthly discharge.....	1900.
WSP 65, 66...	Descriptions, measurements, gage heights, and ratings.....	1901.
WSP 75.....	Monthly discharge.....	1901.

Reports on surface-water supply containing records from 1899 to date for drainage basins in this report are listed below. The data for any particular gaging station will, in general, be found in the reports covering the years during which the station was maintained. Before 1951, records for the south Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River basins were included with those for the south Atlantic slope and eastern Gulf of Mexico basins.

Numbers of water-supply papers containing results of stream measurements in the south Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River, 1899-1955

Year	WSP	Year	WSP	Year	WSP	Year	WSP	Year	WSP
1899	36	1911	302	1923	562	1934	757	1945	1032
1900	48	1912	322	1924	582	1935	782	1946	1052
1901	65, 75	1913	352	1925	602	1936	802	1947	1062
1902	83	1914	382	1926	622	1937	822	1948	1112
1903	98	1915	402	1927	642	1938	852	1949	1142
1904	127	1916	432	1928	662	1939	872	1950	1172
1905	168	1917	452	1929	682	1940	892	1951	1204
1906	204	1918	472	1930	697	1941	922	1952	1234
1907-8	242	1919-20	502	1931	712	1942	952	1953	1274
1909	262	1921	522	1932	727	1943	972	1954	1354
1910	282	1922	542	1933	742	1944	1002	1955	1384

The records at most of the stations discussed in these reports extend over many years. Discharge measurements at many points other than regular gaging stations have been made each year and are published at the end of each report. The streams and points of measurement are listed in the same order as the streams and gaging stations in the body of the report. An index of the records obtained before 1904 has been published in Water-Supply Paper 119.

Each of the reports on the surface-water supply for the year 1939 (Water-Supply Paper 872 for the south Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River) contains, for the area included in that report, a summary of yearly discharge at gaging stations at which 10 or more complete years of record had been collected. These summaries were reprinted separately.

Reports also have been published that are compilations of records for various areas, usually a single State or drainage basin. These reports contain records previously published (some of which may have been revised), as well as some records not contained in the annual series of water-supply papers. The only such reports for any part of the area

covered by this report are Water-Supply Paper 107, "Water powers of Alabama, with an appendix on stream measurements in Mississippi, 1895-1903" and Water-Supply Paper 197, "Water resources of Georgia, 1895-1905."

Records of discharge have been published also in State reports. Some of these are not contained in the publications of the Geological Survey or are revisions of records previously published in its water-supply papers. The following table contains a list of these reports for the area covered by this report.

State reports containing compilations of records of discharge

State	Period	Report	Issued by
Alabama.....	1895-1915	Bull. 17, Water powers of Alabama.....	Geological Survey of Alabama.
Do.....	1904-47	Special Report 20, Water Resources and Hydrology of southeastern Alabama.	Do.
Florida.....	1898-1946	Bull. 31, Springs of Florida.....	Florida Geological Survey.
Do.....	1930-1947	Paper No. 5, St. Johns River Basin.....	State Division of Water Survey and Research
Do.....	1928-1949	Paper No. 7, Lake Okeechobee Tributaries.	Do.
Do.....	1921-1950	Paper No. 12, Suwannee and St. Marys Basins.	Do.
Georgia.....	1895-1906	Bull. 18, Water powers of Georgia.....	Geological Survey of Georgia.
Do.....	1907-19	Bull. 38, Water powers of Georgia.....	Do.
Louisiana.....	1903-38	Geol. Bull. 16, Surface water supply of Louisiana.	Department of Conservation.
Mississippi...	1900-1948	Bull. 68, Surface Waters of Mississippi..	Mississippi Geological Survey.

The reports listed in the foregoing tables contain the customary records of discharge collected during the systematic operation of gaging stations. Detailed information on the stage and discharge of many streams during major floods has been included in special reports on these floods published by the Geological Survey. The more recent of these special reports also contain other pertinent hydrologic information and analyses and compilations of data relating to earlier notable floods. The following list gives the numbers and titles of these reports:

<u>Report</u>	<u>Issued by</u>
WSP 771: Floods in the United States, magnitude and frequency.	U. S. Geological Survey.
WSP 847: Maximum discharges at stream-measurement stations through September 1938.	Do.
WSP 1066: Floods of August 1940 in the southeastern States.	Do.
WSP 1137-I: Summary of floods in the United States during 1950.	Do.
WSP 1227-A: Floods of March-April 1951 in Alabama and adjacent States.	Do.
Cir. 100: Floods in Georgia, frequency and magnitude.	Do.
Cir. 342: Floods in Alabama, frequency and magnitude.	Do.
Bull. 66: North Mississippi Floods of February 1948.	Mississippi State Geological Survey
Floods in Louisiana, magnitude and frequency.	Louisiana Department of Highways

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The table below contains a list of gaging stations for the area covered by this report, at which records of discharge were collected during the water year October 1954 to September 1955 by agencies other than the Geological Survey. The records of these stations are not contained in publications of the Geological Survey, nor have they been published elsewhere.

Records of discharge collected by agencies other than the Geological Survey

Stream	Location	Period	Collected by
Chattahoochee River...	Ft. Gaines, Ga.....	1953-55	Corps of Engineers.
Do.....	Franklin, Ga.....	1945-55a/	Do.
Flint River.....	Near Molena, Ga.....	1953-55a/	Do.
Do.....	Newton, Ga.....	1947-55a/	Do.
Harney Pond Canal.....	At Lake Okeechobee, Fla.....	1951-55	Do.
Indian Prairie Canal...	Near Lake Okeechobee, Fla.....	1951-55	Do.
Levee 8 canal.....	At Sand Cut, Fla.....	1954-55	Do.
Little Cedar Creek.....	Cave Springs, Ga.....	1948-55	Do.
Miami Canal.....	At Lake Okeechobee, Fla.....	1951-55	Do.
Nine Mile Canal.....	do.....	1951-55	Do.
North New River and Hillsboro Canals	do.....	1951-55	Do.
Old Town Creek.....	Verona, Miss.....	1947-55a/	Do.
Prairie Creek.....	Gallion, Ala.....	1952-55a/	Do.
Taylor Creek.....	At Lake Okeechobee, Fla.....	1951-55	Do.
Tishomingo Creek.....	Saltillo, Miss.....	1949-55	Do.
Upatoi Creek.....	Fort Benning, Ga.....	1948-55a/	Do.

a/ Some earlier records published in reports of Geological Survey.

HYDROLOGIC CONDITIONS

The water year 1955 was characterized by slightly below median to deficient runoff over most of the area covered by this report. Drought conditions that existed over most of the area at the end of the 1954 water year continued during October but by December was continuing only in Florida, north of Lake Okeechobee, where it persisted throughout most of the year. Streamflow was deficient over much of the area during December to February and over most of Georgia throughout the year. Record-breaking floods occurred in northern Mississippi during March. In Tombigbee River above Aberdeen it was the highest flood since at least 1892. Damaging but not record-breaking floods occurred during April in extreme northwestern Florida, southern Alabama, and Mississippi. For three key gaging stations in the area covered by this report, a comparison of the monthly and yearly mean discharges during the 1955 water year with the median discharge for the 25-year period 1921-45 is shown in figure 3 on the opposite page.

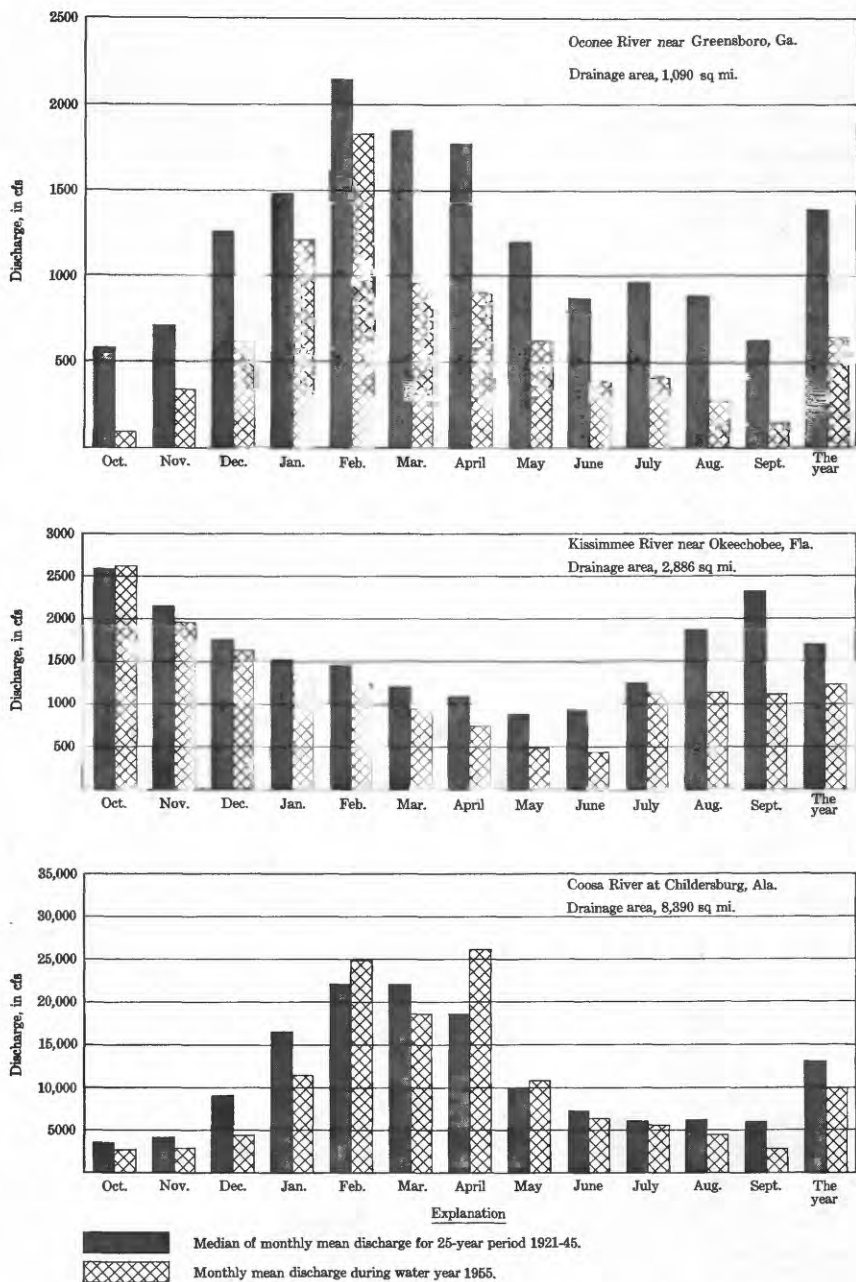


Figure 3. Comparison of discharge at three key gaging stations during 1955 water year with median discharge for 25-year period.

OGEECHEE RIVER BASIN

Ogeechee River at Scarboro, Ga.

Location.--Lat 32°42'40", long 81°52'45", on left bank 15 ft downstream from highway bridge at Scarboro, Jenkins County, 3½ miles downstream from Sculls Creek, 6½ miles upstream from Horse Creek, and 7½ miles southeast of Millen.

Drainage area.--1,940 sq mi, approximately.

Records available.--April 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 111.81 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Dec. 18, 1941, staff gage at same site and datum.

Average discharge.--18 years, 1,607 cfs.

Extremes.--Maximum discharge during year, 6,110 cfs Apr. 19 (gage height, 8.97 ft); minimum, 132 cfs Oct. 22, 23.

1937-55: Maximum discharge, 24,600 cfs Aug. 17, 1940, Mar. 27, 1944 (gage height, 12.8 ft); minimum daily, 120 cfs Sept. 5-10, 1954.

Maximum stage known, 17.0 ft in October 1929, from information by local residents.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to July 22				July 23 to Sept. 30			
-0.7	136	7.0	2,170	1.0	337		
0	198	7.5	2,770	3.0	670		
2.0	462	8.0	3,740	5.0	1,200		
4.0	860	9.0	6,250	6.0	1,580		
6.0	1,550						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	147	164	360	417	1,350	1,240	1,310	1,650	1,200	417	960	351
2	147	166	374	432	1,390	1,200	1,310	1,470	1,200	374	955	395
3	147	173	374	432	1,350	1,160	1,310	1,350	1,200	333	905	519
4	147	173	388	447	1,310	1,130	1,240	1,240	1,200	307	*630	592
5	143	178	388	478	1,240	1,100	1,200	1,100	1,160	261	732	690
6	143	178	417	*529	1,160	1,060	*1,160	1,000	1,060	262	710	755
7	140	178	417	565	1,240	1,030	1,160	885	860	249	690	955
8	136	178	417	621	1,310	1,000	1,200	810	602	237	630	955
9	143	183	432	680	1,350	970	1,240	720	447	237	573	930
10	143	188	447	720	1,350	940	1,310	640	374	268	486	905
11	143	193	478	785	1,390	910	1,350	583	374	333	440	855
12	143	198	494	860	1,430	885	1,470	*529	360	402	410	755
13	143	198	529	910	1,470	885	1,600	494	340	447	410	630
14	143	198	565	970	1,550	885	1,950	447	320	462	410	732
15	143	204	583	1,000	1,600	885	2,490	417	314	529	410	1,130
16	140	204	602	1,030	1,600	885	3,740	402	314	640	380	*1,370
17	140	226	602	1,030	1,770	910	5,290	417	300	740	344	1,410
18	143	237	583	1,000	1,890	910	6,110	478	300	810	351	1,490
19	143	249	565	1,000	2,090	910	6,110	565	353	885	395	1,490
20	136	274	547	1,000	2,170	910	5,830	680	462	1,060	455	1,410
21	136	294	529	970	2,090	910	5,420	810	*529	1,200	455	1,230
22	136	320	529	970	1,950	970	5,160	910	565	1,310	470	1,070
23	136	353	511	970	1,770	1,030	5,040	1,030	583	1,340	519	905
24	136	374	511	1,030	1,600	1,060	4,540	1,130	583	1,230	630	755
25	140	388	494	1,130	1,470	1,100	3,850	1,310	583	1,040	755	650
26	*140	388	478	1,160	1,390	1,130	3,120	1,390	565	880	905	573
27	147	388	462	1,160	1,310	1,130	2,430	1,430	565	855	880	519
28	147	388	447	1,240	1,270	1,130	2,260	1,390	565	855	755	486
29	151	388	447	1,270	-	1,160	2,020	1,310	529	880	630	519
30	155	374	432	1,310	-----	1,200	1,830	1,240	478	930	486	555
31	159	-----	417	1,350	-----	1,270	-----	1,200	-----	960	395	-----
Total	4,436	7,597	14,819	27,466	42,860	31,895	84,240	29,027	18,285	20,773	18,376	25,581
Mean	143	253	478	886	1,531	1,029	2,808	1,436	610	670	593	853
Cfsm	0.074	0.130	0.246	0.457	0.789	0.530	1.45	0.462	0.314	0.345	0.306	0.440
In.	0.09	0.14	0.28	0.53	0.82	0.61	1.62	0.56	0.35	0.40	0.35	0.49
Calendar year 1954: Max		3,530		Min 120		Mean 767		Cfsm 0.395		In. 5.37		
Water year 1954-55: Max		6,110		Min 136		Mean 891		Cfsm 0.459		In. 6.24		

* Discharge measurement made on this day.

Ogeechee River near Eden, Ga.

Location.--Lat 32°10', long 81°25', on right bank 600 ft downstream from bridge on U. S. Highways 25, 80, and 280, 2 miles west of Eden, Effingham County, 2 miles upstream from Seaboard Air Line Railroad bridge, and 3 miles upstream from Black Creek.

Drainage area.--2,650 sq mi, approximately.

Records available.--April 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 19.64 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers).

Average discharge.--18 years, 2,115 cfs.

Extremes.--Maximum discharge during year, 6,100 cfs Apr. 24 (gage height, 9.5 ft); minimum observed, 205 cfs Oct. 10-12, 1937-55. Maximum discharge, 26,300 cfs Mar. 31, 1944 (gage height, 14.7 ft); minimum observed, 131 cfs Sept. 12-14, 1954. Maximum stage known, 20.0 ft in October 1929, from data furnished by Central of Georgia Railway Co.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 2-23, Aug. 9-27)

Oct. 1 to Dec. 19

Dec. 20 to Sept. 30

0.2 191
1.6 610

0.9 425
6.0 2,200
8.0 3,700
10.0 7,100

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	219	240	424	500	1,290	2,150	1,200	3,800	1,590	1,020	1,530	1,380
2	219	240	424	500	1,320	1,950	1,200	3,330	1,560	920	1,590	1,230
3	219	240	424	485	1,350	1,780	1,230	2,990	1,530	832	*1,680	1,350
4	219	243	410	485	1,380	1,680	1,260	2,620	1,440	728	1,750	1,350
5	219	253	410	485	1,410	1,590	*1,290	2,370	1,350	622	1,750	1,440
6	219	260	438	*485	1,440	1,500	1,350	2,050	1,290	622	1,650	1,560
7	219	260	438	485	1,530	1,440	1,380	1,620	1,290	590	1,500	1,750
8	219	260	438	500	1,590	1,410	1,410	1,620	1,260	590	1,320	2,000
9	219	260	452	530	1,680	1,350	1,440	1,470	1,260	590	1,100	2,430
10	208	260	452	560	1,750	1,290	1,470	1,320	1,230	590	920	2,910
11	205	260	452	590	1,780	1,260	1,530	*1,200	1,160	728	815	2,990
12	208	265	452	622	1,780	1,230	1,620	1,020	1,020	798	710	2,820
13	212	270	466	675	1,750	1,200	1,680	855	850	920	622	2,100
14	222	273	508	710	1,720	1,130	2,000	745	780	1,020	575	1,820
15	226	279	566	728	*1,750	1,100	2,250	728	675	990	515	*1,820
16	219	279	596	780	1,750	1,060	2,550	850	575	955	500	1,860
17	219	282	596	832	1,750	1,020	2,910	745	545	868	515	1,950
18	219	286	596	920	1,750	990	3,150	762	545	832	515	2,150
19	219	289	610	1,020	1,750	990	3,240	710	622	815	500	2,430
20	219	292	622	1,130	1,780	990	3,420	640	780	798	470	2,620
21	219	298	605	1,160	1,820	990	3,800	640	*955	798	440	2,620
22	219	304	605	1,200	1,900	990	4,640	762	1,320	832	455	2,430
23	219	322	605	1,230	1,950	1,020	5,720	1,260	1,680	955	485	2,310
24	219	334	590	1,260	2,050	1,020	6,100	1,820	2,150	1,130	500	2,150
25	219	349	575	1,290	2,200	1,020	5,900	2,050	2,200	1,380	*530	2,050
26	219	366	560	1,290	2,310	1,020	5,540	1,860	1,820	1,650	710	1,900
27	226	361	545	1,320	2,370	1,060	5,180	1,780	1,500	1,860	955	1,750
28	229	410	545	1,320	2,310	1,100	5,000	1,720	1,320	1,820	1,280	1,560
29	233	410	545	1,290	-	1,130	4,640	1,620	1,160	1,750	1,440	1,380
30	233	424	530	1,290	-	1,130	4,180	1,560	1,100	1,620	1,500	1,160
31	249	-	515	1,290	-	1,160	-	1,560	-	1,560	1,500	-
Total	6,822	8,887	15,994	26,962	49,210	38,750	88,280	48,307	36,557	31,183	30,302	59,070
Mean	220	296	516	870	1,758	1,250	2,943	1,558	1,219	1,006	977	1,969
Cfsm	0.083	0.112	0.195	0.328	0.663	0.472	1.11	0.588	0.460	0.360	0.369	0.743
In.	0.10	0.12	0.22	0.38	0.69	0.54	1.24	0.68	0.51	0.44	0.43	0.85

Calendar year 1954: Max 5,180 Min 131 Mean 1,044 Cfsm 0.394 In. 5.34

Water year 1954-55: Max 6,100 Min 205 Mean 1,206 Cfsm 0.455 In. 6.18

* Discharge measurement made on this day.

Note.--Discharge computed from twice-daily staff-gage readings Oct. 1 to Nov. 14.

Canoochee River near Claxton, Ga.

Location.--Lat 32°11'05", long 81°53'25", on right bank 400 ft upstream from bridge on State Highway 73, 2 miles northeast of Claxton, Evans County, and 10 miles upstream from Lotts Creek.

Drainage area.--555 sq mi, approximately.

Records available.--May 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 80.5 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). Prior to Oct. 20, 1949, staff gage at same site and datum.

Average discharge.--18 years, 405 cfs.

Extremes.--Maximum discharge during year, 2,620 cfs Sept. 17 (gage height, 11.0 ft); minimum observed, 0.86 cfs Oct. 25, 26, Nov. 2.
1937-55: Maximum discharge, 12,100 cfs Apr. 2, 1948 (gage height, 13.9 ft, from graph based on gage readings), from rating curve extended above 5,100 cfs by logarithmic plotting; minimum observed, 0.86 cfs Sept. 8-14, Oct. 25, 26, Nov. 2, 1954.

Remarks.--Records good except those for periods of no gage-height record and those for once-daily staff-gage readings, which are fair.

Revisions (water years).--WSP 1112: 1939-41; 1944.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 13-15, 20-23, Apr. 15-18, June 9-25)

Oct. 1 to Apr. 18

Apr. 19 to Sept. 30

1.2	0.58	2.0	36	1.46	1.3	2.3	90
1.3	1.5	2.5	140	1.5	2.0	4.0	503
1.4	3.3	3.0	317	1.6	5.3	8.0	1,350
1.5	5.9	7.0	1,170	1.7	10	10.0	2,020
1.7	14	9.0	1,740	1.8	18	11.0	2,620
				2.0	40		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	0.95	4.7	a2.7	5.9	120	32	144	43	3.6	86	190
2	1.5	.95	4.7	a2.4	8.6	123	31	133	43	3.6	75	228
3	1.5	.95	4.7	2.5	14	111	30	129	36	3.3	71	307
4	1.5	1.0	4.7	2.5	17	97	32	124	28	3.3	57	333
5	1.5	1.2	5.0	*2.5	17	87	34	105	21	3.6	*51	546
6	1.4	1.7	8.8	2.3	17	99	34	88	*14	5.8	54	1,080
7	1.4	1.8	7.2	2.3	55	94	35	77	10	7.4	47	1,570
8	1.4	2.0	6.6	2.3	59	72	63	68	7.9	5.3	36	1,400
9	1.2	2.1	5.6	2.3	70	59	92	54	5.3	4.6	26	835
10	1.2	2.3	5.0	2.3	72	54	101	43	4.6	4.0	19	525
11	1.0	2.5	4.7	3.3	94	48	159	*36	5.0	5.3	14	384
12	1.0	2.5	4.5	3.0	146	46	334	30	4.6	*4.3	10	333
13	1.0	2.5	7.4	2.8	190	42	417	27	3.0	4.3	7.9	320
14	1.4	2.7	8.0	2.7	190	39	686	26	3.0	3.6	12	587
15	1.5	2.8	6.6	2.7	*176	37	1,100	28	3.0	3.0	51	1,380
16	1.5	3.3	5.9	2.8	143	39	1,200	26	2.3	3.3	115	*2,290
17	1.4	3.7	5.3	3.7	120	37	1,240	28	2.3	2.3	75	2,550
18	1.4	3.7	5.3	4.7	183	35	1,480	27	3.0	1.4	39	2,080
19	1.4	4.0	4.7	5.9	146	34	1,890	27	3.3	1.3	25	*1,660
20	1.2	4.5	4.5	10	159	32	1,770	43	3.6	1.3	20	a1,600
21	1.2	4.2	4.5	9.2	172	29	*1,380	51	5.0	1.6	16	a1,540
22	1.2	4.2	4.2	6.9	172	29	935	53	*5.0	13	15	a1,350
23	1.0	4.5	4.2	6.6	172	30	663	54	3.0	26	17	a1,100
24	.95	4.7	a4.0	14	153	30	457	71	3.3	16	79	a1,040
25	*.86	4.7	a3.8	15	134	30	346	105	3.3	39	265	a980
26	.86	3.7	a3.7	13	123	29	268	122	4.0	39	*384	a900
27	.95	3.7	a3.5	9.6	140	29	218	96	4.0	140	546	a800
28	.95	4.5	a3.4	8.4	140	28	192	66	4.3	140	437	a730
29	1.0	4.7	a3.2	7.2	---	28	166	48	4.0	131	409	a780
30	1.0	4.7	a3.1	6.9	---	31	154	36	3.6	94	333	a820
31	.95	---	a3.0	6.2	---	33	---	30	---	82	245	---
Total	37.82	90.75	154.5	168.7	3,006.5	1,631	15,539	1,993	285.4	796.2	3,656.9	30,238
Mean	1.22	3.02	4.98	5.44	107	52.6	518	64.3	9.51	25.7	118	1,008
Cfsm	0.0022	0.0054	0.0090	0.010	0.193	0.095	0.933	0.116	0.017	0.046	0.213	1.82
In.	0.003	0.006	0.01	0.01	0.20	0.11	1.04	0.13	0.02	0.05	0.25	2.03
Calendar year 1954:	Max	2,020	Min	0.86	Mean	152	Cfsm	0.274	In.	3.70		
Water year 1954-55:	Max	2,550	Min	0.86	Mean	158	Cfsm	0.285	In.	3.86		

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for stations on nearby streams.

Note.--Discharge computed from once-daily staff-gage readings Oct. 1 to Nov. 15.

South River near McDonough, Ga.

Location.--Lat 33°30', long 84°01', on left bank 20 ft downstream from Butler Bridge, a quarter of a mile upstream from Beech Creek, 2 miles downstream from Big Walnut Creek, 4½ miles downstream from Cotton River, and 9 miles northeast of McDonough, Henry County.

Drainage area.--436 sq mi.

Records available.--October 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 564.99 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark).

Average discharge.--16 years, 559 cfs.

Extremes.--Maximum discharge during year, 4,630 cfs Feb. 7 (gage height, 12.5 ft); minimum daily, 54 cfs Oct. 12.

1939-55: Maximum discharge, 34,500 cfs Jan. 7, 1946 (gage height, 24.7 ft), from rating curve extended above 20,000 cfs by logarithmic plotting; minimum daily, that of Oct. 12, 1954.

Remarks.--Records good. Figures of daily discharge include flow diverted from Chattahoochee River (averaging about 37 cfs) for Atlantic municipal supply.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

2.0	43	6.0	1,170
2.5	122	9.0	2,500
3.0	205	12.0	4,280
4.0	445		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	83	208	564	258	348	320	254	203	152	520	318
2	82	83	185	1,960	264	342	330	240	195	147	338	202
3	64	88	169	890	303	348	460	233	185	141	256	176
4	57	93	161	520	260	312	376	227	178	134	303	173
5	56	142	169	415	244	300	328	224	173	132	300	163
6	58	181	550	*348	599	300	350	215	165	153	233	161
7	83	124	338	310	3,660	665	612	208	*163	415	287	183
8	63	108	226	275	2,080	490	752	202	178	342	400	153
9	58	103	207	258	830	373	460	193	171	227	520	144
10	58	107	238	340	612	352	385	188	160	318	296	137
11	56	105	207	1,740	*550	400	535	188	179	240	226	134
12	54	114	186	870	460	338	565	185	334	280	200	130
13	58	112	214	550	400	665	535	207	186	376	185	137
14	62	108	284	415	379	565	2,700	229	165	291	178	149
15	60	110	226	564	370	460	1,800	205	168	248	169	142
16	57	*158	202	490	358	*400	910	202	166	205	284	136
17	56	269	188	475	445	445	665	300	157	188	354	129
18	57	231	215	445	505	376	565	246	152	210	190	124
19	60	180	269	1,210	385	595	505	207	165	205	168	125
20	66	226	205	790	348	1,330	460	198	217	373	161	117
21	*68	195	190	535	325	770	430	388	173	1,600	246	117
22	70	157	183	550	315	790	475	1,090	163	*520	330	114
23	72	173	178	565	335	718	415	810	163	535	208	112
24	74	181	176	430	520	535	400	505	298	1,130	222	110
25	68	158	168	376	630	475	340	475	305	810	244	110
26	69	147	163	340	460	430	310	385	330	415	171	125
27	75	141	161	318	400	385	*298	303	278	318	158	233
28	77	158	165	308	364	358	287	264	196	291	149	163
29	81	592	178	261	-	348	278	240	178	475	139	150
30	91	303	231	275	-	338	267	226	161	475	134	142
31	88	-	217	264	-	328	-	219	-	445	*228	-
Total	2,074	4,930	6,637	17,461	16,659	14,879	17,113	9,256	5,905	11,791	7,797	4,469
Mean	66.9	164	214	564	595	480	570	299	197	380	252	150
Cfsm	0.153	0.376	0.491	1.29	1.36	1.10	1.31	0.686	0.452	0.872	0.578	0.344
In.	0.18	0.42	0.57	1.49	1.42	1.27	1.46	0.79	0.50	1.01	0.67	0.38

Calendar year 1954: Max 1,870 Min 54 Mean 297 Cfsm 0.681 In. 9.26

Water year 1954-55: Max 5,660 Min 54 Mean 326 Cfsm 0.748 In. 10.16

Peak discharge (base, 5,000 cfs).--No peak above base.

* Discharge measurement made on this day.

ALTAMAHA RIVER BASIN

Yellow River near Snellville, Ga.

Location.--Lat 33°51', long 84°05', on left bank at downstream side of county highway bridge, $3\frac{1}{4}$ miles west of Snellville, Gwinnett County, 4 miles downstream from Sweetwater Creek, $6\frac{1}{2}$ miles northeast of town of Stone Mountain, and $7\frac{1}{2}$ miles upstream from Stone Mountain Creek.

Drainage area.--134 sq mi (revised).

Records available.--October 1942 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 810 ft (by barometer). Prior to Nov. 4, 1952, staff gage at same site and datum.

Average discharge.--13 years, 166 cfs.

Extremes.--Maximum discharge during year, 3,400 cfs Feb. 7 (gage height, 11.6 ft); minimum, 1.5 cfs Oct. 9.

1942-55: Maximum discharge, 9,500 cfs (revised) Nov. 29, 1948 (gage height, 19.4 ft, from floodmark); minimum, that of Oct. 9, 1954.

Revisions.--Figures of maximum discharge for the water year 1949 and 1952 have been revised to 9,500 cfs Nov. 29, 1948 (gage height, 19.4 ft, from floodmark) and 5,570 cfs Dec. 21, 1951 (gage height, 15.6 ft, from graph based on gage readings), superseding figures published in WSP 1142 and 1234, respectively.

Remarks.--Records good.

Revisions (water years).--WSP 1032: 1943(M). WSP 1112: 1944-45(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.36	1.6	1.2	57
.4	2.3	1.4	87
.5	4.5	1.7	146
.6	7.8	2.0	216
.8	19	3.0	502
1.0	35	11.0	3,180

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	*9.4	44	190	70	94	*92	64	45	42	41	13
2	2.3	11	39	518	155	92	105	61	41	38	34	12
3	2.3	12	35	284	142	85	140	57	38	33	30	14
4	2.3	14	32	176	117	82	111	55	35	29	27	14
5	2.1	22	41	129	100	81	103	50	34	28	30	15
6	2.1	18	162	107	755	89	107	46	33	52	25	15
7	1.8	14	87	92	2,860	140	131	44	36	43	22	17
8	1.6	12	65	79	945	105	119	42	40	40	23	12
9	1.6	13	61	77	366	92	105	*39	33	44	49	9.4
10	2.1	14	63	172	249	96	101	43	32	38	33	8.8
11	2.3	13	51	599	204	101	148	44	91	43	25	8.8
12	2.3	*13	49	301	158	92	142	43	64	119	20	11
13	2.3	14	53	190	129	91	146	127	44	153	20	*13
14	*3.0	16	58	*138	121	101	395	92	39	76	19	13
15	3.0	18	52	125	117	92	284	63	39	57	18	12
16	2.3	28	47	136	115	89	199	70	35	44	18	9.9
17	2.5	38	48	123	*142	81	158	115	32	51	15	7.8
18	3.4	26	55	109	129	85	136	77	30	51	13	6.8
19	4.3	25	71	216	115	158	119	65	54	36	12	6.5
20	4.5	65	60	171	105	197	109	61	125	31	13	6.2
21	4.5	36	53	142	98	155	103	129	63	52	49	5.5
22	4.8	*29	50	146	94	281	103	202	43	89	26	4.8
23	5.2	30	47	129	117	236	142	178	*40	47	20	4.3
24	5.8	30	45	114	119	187	140	111	113	64	32	4.1
25	5.5	26	42	101	123	155	113	155	130	*164	22	4.6
26	6.2	24	39	92	109	142	96	101	282	71	17	8.3
27	6.2	25	38	89	101	121	84	81	131	49	15	17
28	*6.2	64	38	85	96	115	79	67	89	43	13	12
29	7.1	123	50	81	-	109	76	57	64	57	12	12
30	9.9	61	89	74	-----	101	70	56	50	43	11	12
31	8.8	-----	73	70	-----	96	-----	50	-----	39	11	-----
Total	120.6	843.4	1,745	5,034	7,951	3,751	3,954	2,445	1,925	1,766	715	310.0
Mean	3.89	28.1	56.3	162	284	121	132	78.9	64.2	57.0	23.1	10.3
Cfsm	0.029	0.210	0.420	1.21	2.12	0.903	0.985	0.589	0.479	0.425	0.172	0.077
In.	0.03	0.23	0.48	1.40	2.21	1.04	1.10	0.68	0.53	0.49	0.20	0.09

Calendar year 1954: Max 2,670 Min 1.6 Mean 93.8 Cfsm 0.700 In. 9.50
 Water year 1954-55: Max 2,860 Min 1.6 Mean 83.7 Cfsm 0.625 In. 8.48

Peak discharge (base, 2,100 cfs).--Feb. 7 (1 p.m.), 3,400 cfs (11.6 ft).

* Discharge measurement made on this day.

Yellow River near Covington, Ga.

Location.--Lat 33°37', long 83°55', near left bank at downstream end of pier of bridge on State Highway 12, a quarter of a mile downstream from Georgia Railroad bridge, half a mile downstream from Gum Creek, and 3½ miles northwest of Covington, Newton County.

Drainage area.--396 sq mi.

Records available.--September to December 1897, May 1899 to December 1901, July 1944 to September 1955. Published as "at Almon" 1897-1901.

Gage.--Water-stage recorder. Datum of gage is 616.99 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. September to December 1897, staff gage at about same site at different datum. May 1899 to December 1901, staff gage at site 1 mile upstream at different datum.

Average discharge.--11 years (1944-55), 446 cfs.

Extremes.--Maximum discharge during year, 4,510 cfs Feb. 8 (gage height, 12.4 ft); minimum daily, 10 cfs Oct. 7.
1944-55: Maximum discharge, 16,200 cfs Nov. 29, 1948 (gage height, 20.3 ft); minimum daily, that of Oct. 7, 1954.

Remarks.--Records good. Diurnal fluctuation caused by milldam above station.

Revisions (water years).--WSP 1112: 1945(M), 1946.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 10 to Apr. 13)

0.5	10	3.0	410
.7	26	5.0	1,000
1.0	59	9.0	2,520
1.5	120	13.0	4,940
2.0	200		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	33	200	353	244	300	270	206	146	119	155	100
2	14	42	153	1,100	311	322	280	210	154	105	126	87
3	12	35	135	1,000	458	300	471	186	124	97	110	58
4	11	40	112	566	377	280	410	179	103	88	97	57
5	*11	72	128	434	322	254	335	172	112	87	110	70
6	14	59	280	*355	532	270	311	158	123	110	97	63
7	10	57	366	311	2,540	458	377	153	107	155	91	*64
8	14	70	236	260	4,370	410	388	129	107	129	116	58
9	15	61	200	250	2,440	335	322	*150	105	136	168	54
10	11	55	193	311	872	322	300	130	103	128	184	39
11	13	56	164	1,000	650	335	388	130	93	134	132	34
12	17	51	160	1,210	524	311	446	124	179	226	98	41
13	15	49	200	680	434	422	422	155	153	256	73	49
14	16	46	222	484	399	388	936	202	117	270	72	47
15	16	64	202	410	*366	366	1,140	191	106	163	86	45
16	14	*96	174	422	355	335	728	189	106	138	80	40
17	15	135	163	410	377	335	552	388	98	119	69	32
18	15	128	156	377	410	322	471	311	79	146	64	26
19	*18	114	193	594	366	434	410	224	98	128	61	33
20	21	103	200	622	322	744	366	191	*153	136	69	36
21	23	129	171	484	322	594	344	270	212	244	79	28
22	21	119	158	471	300	594	355	471	139	290	106	23
23	25	107	153	471	300	712	355	497	114	214	80	22
24	23	109	142	410	388	538	410	377	123	180	68	16
25	24	102	142	366	434	458	366	335	153	177	66	17
26	30	88	141	335	377	399	311	335	322	*232	64	281
27	28	72	150	300	335	366	270	260	388	156	46	253
28	27	100	144	290	322	*344	256	212	232	124	40	124
29	32	344	150	280	-----	311	240	163	174	135	55	98
30	26	333	189	250	-----	300	208	180	138	204	51	89
31	22	-----	216	252	-----	280	-----	156	-----	168	56	-----
Total	561	2,869	5,593	15,058	19,447	12,139	12,438	7,036	4,340	4,974	2,769	1,984
Mean	18.1	95.6	180	486	695	392	415	227	145	160	89.3	66.1
Cfs/m	0.046	0.241	0.455	1.23	1.76	0.990	1.05	0.573	0.366	0.404	0.226	0.167
In.	0.05	0.27	0.52	1.42	1.83	1.14	1.17	0.66	0.41	0.47	0.26	0.19

Calendar year 1954: Max 3,710 Min 10 Mean 237 Cfs/m 0.598 In. 8.12
Water year 1954-55: Max 4,370 Min 10 Mean 244 Cfs/m 0.616 In. 8.59

Peak discharge (base, 5,400 cfs).--No peak above base.

* Discharge measurement made on this day.

ALTAMAHA RIVER BASIN

Ocmulgee River near Jackson, Ga.

Location.--Lat 33°18', long 83°50', on right bank 500 ft upstream from bridge on State Highway 16, half a mile upstream from Yellow Water Creek, 1 mile downstream from Lloyd Shoals Dam, 7 miles east of Jackson, Butts County, and at mile 247.4.

Drainage area.--1,420 sq mi, approximately.

Records available.--May 1906 to September 1915, August 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 419.29 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Jan. 1, 1913, staff gage, Jan. 1 to Dec. 31, 1913, water-stage recorder, and Jan. 1, 1914, to Dec. 31, 1915, staff gage, all at present site and datum.

Average discharge.--16 years (1939-55), 1,645 cfs (unadjusted).

Extremes.--Maximum discharge during year, 6,250 cfs Feb. 9 (gage height, 7.09 ft); minimum daily, 69 cfs Nov. 25.

1906-15, 1939-55: Maximum discharge, 56,600 cfs Nov. 28, 1948 (gage height, 23.9 ft); minimum daily, 18 cfs Nov. 20, 1910.

Maximum stage known, 26.8 ft Dec. 11, 1919, from graph based on gage readings (discharge, 69,000 cfs, by computation of flow over dam).

Remarks.--Records good. Flow regulated by Lloyd Shoals Reservoir (usable capacity, 77,000 acre-ft), completed in 1910.

Revisions (water years).--WSP 892: Drainage area. WSP 952: 1912(M). WSP 972: 1942.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

3.4	48	5.0	1,450
3.7	145	6.0	3,500
4.0	310	7.0	6,000
4.5	760		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	150	100	222	450	1,260	1,800	967	545	*538	520	1,460	624
2	142	100	224	580	1,060	1,640	530	547	497	520	1,410	552
3	138	97	234	1,340	881	1,710	535	552	496	504	886	554
4	134	104	235	*1,170	1,220	1,600	2,090	926	508	505	514	554
5	134	107	233	1,430	558	507	1,760	836	508	494	514	554
6	134	104	235	1,340	800	509	1,060	558	512	454	508	553
7	134	104	220	1,200	2,330	1,930	980	562	510	450	512	557
8	131	107	282	525	2,940	1,740	1,890	565	518	454	690	554
9	131	107	280	515	4,600	1,010	906	568	517	460	762	558
10	142	100	286	1,520	5,540	1,020	573	574	524	492	651	564
11	142	100	304	1,800	3,760	1,060	1,920	576	518	504	990	565
12	128	97	294	2,080	3,140	516	1,860	572	482	711	543	566
13	131	91	303	2,070	2,970	510	2,050	572	476	1,140	540	562
14	128	88	339	2,000	2,900	1,890	2,530	562	470	1,450	550	564
15	124	88	391	2,020	2,910	*1,800	2,990	563	450	894	540	580
16	120	81	380	1,030	1,810	1,660	2,310	572	440	706	1,070	552
17	120	91	378	1,700	1,720	1,810	942	583	434	522	709	556
18	110	78	390	1,840	1,910	1,820	2,480	572	432	527	759	552
19	94	75	378	2,090	1,900	546	2,840	1,140	437	536	682	549
20	*94	81	386	2,040	502	1,840	2,060	1,290	430	1,330	540	550
21	100	75	614	2,170	1,010	2,080	1,930	562	425	1,510	530	548
22	100	75	618	2,700	898	2,250	978	1,610	431	1,900	*558	513
23	107	75	477	2,890	618	2,340	1,040	2,250	426	1,590	540	484
24	107	72	471	2,880	1,560	2,250	559	1,800	434	1,660	834	487
25	104	69	490	1,200	1,390	2,270	1,920	1,790	430	1,970	780	481
26	104	75	485	1,110	510	2,010	983	925	448	1,360	708	494
27	104	84	475	1,190	507	538	988	988	456	1,390	550	500
28	104	84	486	1,200	1,840	1,980	849	846	836	1,100	542	492
29	104	213	492	519	-	1,780	938	560	862	1,320	843	480
30	100	236	494	515	-	1,770	548	1,040	840	845	550	494
31	100	-----	404	867	-----	1,820	-----	566	-----	552	526	-----
Total	3,695	2,958	11,460	45,981	53,032	47,766	44,007	26,372	15,085	28,170	21,471	16,173
Mean	119	98.6	370	1,483	1,894	1,541	1,467	851	503	909	693	539
(†)	-29	+365	+286	+246	+50	-124	+134	+59	+54	-16	-88	-141

Adjusted for change in contents in Lloyd Shoals Reservoir

Mean	90.0	464	656	1,729	1,944	1,417	1,601	910	557	893	605	398
Cfs	0.063	0.327	0.462	1.22	1.37	0.998	1.13	0.641	0.392	0.629	0.426	0.280
In.	0.07	0.36	0.53	1.41	1.43	1.15	1.26	0.74	0.44	0.73	0.49	0.31

Observed				Adjusted			
Calendar year 1954:	Max	3,130	Min	69	Mean	818	
Water year 1954-55:	Max	5,540	Min	69	Mean	866	
					Mean	812	Cfsm 0.572 In. 7.74
					Mean	932	Cfsm 0.656 In. 8.92

* Discharge measurement made on this day.

† Change in contents in Lloyd Shoals Reservoir, equivalent in cubic feet per second; furnished by Georgia Power Co.

Ocmulgee River at Macon, Ga.

Location.--Lat 32°51', long 83°34', at downstream end of center pier of Fifth Street Bridge in Macon, Bibb County, $\frac{1}{2}$ miles upstream from Walnut Creek and at mile 205.0.

Drainage area.--2,240 sq mi, approximately.

Records available.--January 1893 to September 1913, October 1931 to September 1955. Gage-height records collected at same site since 1895 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 269.80 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Oct. 9, 1905, staff, chain, and wire-weight gages at sites within $\frac{1}{2}$ miles downstream at about same datum. Oct. 9, 1905, to Sept. 30, 1913, chain gage at present site and datum. Oct. 1, 1931, to June 25, 1934, water-stage recorder at site 500 ft downstream at present datum.

Average discharge.--42 years (1893-1911, 1931-55), 2,707 cfs.

Extremes.--Maximum discharge during year, 11,800 cfs Apr. 14 (gage height, 16.3 ft); minimum daily, 128 cfs Oct. 24.

1893-1913, 1931-55: Maximum discharge, 83,500 cfs Nov. 29, 1948 (gage height, 28.0 ft); minimum daily, that of Oct. 24, 1954; minimum gage height observed, -1.0 ft Oct. 5, 1904.

Flood of Feb. 28, 1929, reached a stage of 26.1 ft (discharge, 70,000 cfs). A stage 1 inch lower, as determined from floodmarks, was reached on Jan. 19, 1925, at Central of Georgia Railroad bridge 500 ft downstream.

Remarks.--Records good. Flow regulated by Lloyd Shoals Reservoir (see preceding page).

Revisions.--WSP 822: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge,

in cubic feet per second)

(Shifting-control method used Sept. 5-30; rate of change in stage used as a factor Feb. 6, Apr. 14, May 22)

Oct. 1 to Feb. 12

Feb. 13 to Sept. 30

1.9	118	6.0	1,800	2.6	325	13.0	6,500
2.5	257	13.0	6,500	11.0	4,980	15.0	9,240
3.0	414						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	194	147	323	1,560	1,210	2,440	2,280	1,010	1,040	900	1,180	762
2	*189	151	356	3,340	1,550	*2,500	1,620	928	872	710	1,890	1,010
3	187	149	308	1,920	1,400	2,380	1,620	955	790	660	2,000	835
4	194	164	372	2,260	1,260	2,330	1,620	982	735	590	1,500	567
5	189	182	311	1,920	1,500	2,220	2,700	1,340	660	762	1,250	590
6	187	138	760	1,920	1,330	1,230	2,550	1,230	660	685	872	558
7	192	160	692	1,800	6,240	1,180	2,380	900	710	660	710	595
8	187	182	510	1,600	5,400	*2,500	3,240	872	660	585	790	576
9	184	187	429	1,080	3,950	2,440	3,070	845	685	615	955	540
10	169	153	485	895	5,840	1,670	2,060	845	635	567	1,060	500
11	162	160	444	1,750	5,680	1,670	1,890	845	660	790	845	472
12	164	171	441	2,200	4,510	1,670	3,020	872	685	762	1,120	540
13	164	169	532	2,380	3,960	1,180	2,900	928	600	1,010	660	600
14	164	153	648	2,380	3,730	1,060	7,530	900	660	1,720	635	620
15	162	173	625	2,320	3,680	2,110	8,260	845	660	1,890	630	572
16	160	192	625	2,380	3,560	2,330	5,540	818	630	1,340	660	590
17	167	241	648	1,600	2,330	2,280	4,080	900	585	1,120	1,120	486
18	173	333	670	2,020	2,500	2,380	*2,550	1,010	585	660	845	508
19	169	224	648	4,580	2,550	2,440	3,620	928	735	735	845	536
20	160	214	625	*4,060	2,550	2,440	3,290	1,400	845	762	735	549
21	162	208	670	3,150	1,230	3,240	2,900	1,720	762	1,620	635	531
22	147	214	*872	3,280	1,720	3,180	2,750	1,530	635	2,060	*585	518
23	130	180	918	3,600	1,670	3,180	1,890	3,840	660	2,060	635	508
24	126	182	782	3,670	1,340	3,070	1,840	*5,120	762	2,110	900	353
25	138	171	758	3,020	2,330	2,900	1,450	3,340	710	2,500	928	377
26	140	199	715	1,700	2,280	2,850	2,440	2,800	635	2,380	872	450
27	142	180	760	1,600	1,400	2,650	1,620	1,780	620	1,940	762	567
28	147	187	782	1,700	1,180	1,230	1,620	1,620	*735	1,720	635	414
29	158	206	805	1,600	-	2,380	1,370	1,450	1,230	1,450	580	486
30	167	218	850	940	-	2,330	1,400	1,180	1,120	1,780	805	423
31	132	-	850	895	-	2,330	-	1,500	-	1,280	590	-
Total	5,108	5,598	19,144	69,120	77,860	69,790	85,100	43,233	21,961	58,423	28,009	16,433
Mean	165	186	618	2,230	2,781	2,251	2,837	1,395	732	1,239	904	548
Cfsm	0.074	0.083	0.276	0.996	1.24	1.00	1.27	0.623	0.327	0.553	0.404	0.245
In.	0.09	0.09	0.32	1.15	1.29	1.15	1.42	0.72	0.36	0.64	0.47	0.27

Calendar year 1954: Max	5,540	Min	128	Mean	1,155	Cfsm	0.516	In.	6.99
Water year 1954-55: Max	8,260	Min	128	Mean	1,314	Cfsm	0.587	In.	7.97

* Discharge measurements made on this day.

Tobesofkee Creek near Macon, Ga.

Location.--Lat 32°48', long 83°46', on right bank at downstream end of pier of bridge on U. S. Highway 80, 8 miles west of Macon, Bibb County, and 14 miles upstream from mouth.

Drainage area.--182 sq mi.

Records available.--March 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 309.98 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Feb. 3, 1938, staff gage and Feb. 3, 1938, to Aug. 27, 1942, wire-weight gage, at same site and datum.

Average discharge.--18 years, 184 cfs.

Extremes.--Maximum discharge during year, 2,090 cfs Apr. 14 (gage height, 11.0 ft); minimum, 2.3 cfs Oct. 10.
1937-55: Maximum discharge, 9,830 cfs Mar. 21, 1944 (gage height, 23.2 ft), from rating curve extended above 6,300 cfs; minimum, that of Oct. 10, 1954.

Remarks.--Records good.

Revisions (water years).--WSP 1204: 1942.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 29 to Nov. 5, Apr. 7-12)

Oct. 1 to Feb. 7

Feb. 8 to Sept. 30

2.05	2.3	2.7	63	2.1	3.7	2.9	85
2.1	3.7	4.0	318	2.2	7.5	3.5	250
2.2	7.5	6.0	631	2.4	18	7.0	900
2.3	12	9.0	1,410	2.5	25	10.0	1,740
2.4	20			2.7	50		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	9.8	36	319	95	90	92	92	69	41	47	19
2	3.7	9.3	32	595	95	*90	92	85	62	38	41	13
3	3.7	8.8	30	301	91	85	90	83	59	34	36	19
4	3.4	9.3	30	168	87	85	88	81	54	32	40	18
5	3.1	*13	33	132	85	85	81	79	52	32	32	17
6	2.8	17	174	113	463	88	81	73	48	58	60	16
7	3.1	18	188	101	*1,380	98	113	69	47	54	36	17
8	3.1	16	87	89	*570	105	228	65	44	38	30	16
9	2.5	15	65	85	330	90	149	64	40	34	32	14
10	4.8	15	57	85	230	85	122	60	38	33	27	11
11	7.5	15	52	97	220	90	*164	58	40	47	24	11
12	7.5	15	47	95	208	88	205	54	40	77	24	11
13	6.7	16	55	85	161	83	295	54	35	54	23	11
14	7.5	17	67	76	146	83	*1,740	62	33	54	20	13
15	5.9	18	63	74	134	88	1,250	65	33	53	18	16
16	5.9	24	55	81	125	88	450	67	44	47	17	18
17	6.3	58	50	93	128	85	320	69	41	35	19	16
18	4.8	60	50	144	131	83	258	62	42	35	17	13
19	5.5	40	50	*544	116	180	225	56	67	33	16	11
20	7.1	37	49	*380	105	350	200	53	220	31	16	9.8
21	7.1	43	44	214	100	228	179	137	90	32	19	8.4
22	8.0	37	44	189	88	185	170	505	62	42	*18	7.1
23	8.0	*34	*44	170	95	167	158	1,190	48	46	16	5.9
24	8.4	36	44	164	92	146	143	*388	197	60	22	5.9
25	8.4	34	43	151	105	131	137	400	125	75	17	5.1
26	8.8	30	41	134	108	122	125	288	90	90	17	5.1
27	7.1	29	41	*125	95	110	110	188	*71	85	17	*5.7
28	8.0	33	41	117	92	105	105	137	56	50	17	6.3
29	7.5	43	44	111	-	102	102	105	50	35	15	9.3
30	5.5	44	47	105	-----	100	98	90	46	58	12	9.3
31	9.3	-----	46	97	-----	98	-----	79	-----	46	13	-----
Total	185.0	794.2	1,729	5,234	5,685	3,613	7,570	4,858	1,943	1,459	758	363.9
Mean	5.97	26.5	55.8	169	203	117	252	157	64.8	47.1	24.5	12.1
Cfs/m	0.033	0.146	0.307	0.929	1.12	0.643	1.38	0.863	0.356	0.259	0.135	0.066
In.	0.04	0.16	0.35	1.07	1.17	0.74	1.84	0.99	0.40	0.30	0.16	0.07
Calendar year 1954: Max			840	Min	2.5	Mean	88.2	Cfs/m	0.485	In.	6.57	
Water year 1954-55: Max			1,740	Min	2.5	Mean	93.7	Cfs/m	0.515	In.	6.99	

Peak discharge (base, 1,900 cfs).--Apr. 14 (10 a.m.) 2,090 cfs (11.0 ft); May 23 (3 a.m.) 1,980 cfs (10.7 ft).

* Discharge measurement made on this day.

Big Indian Creek at Perry, Ga.

Location.--Lat 32°27', long 83°44', at municipal waterworks at Perry, Houston County, on left bank 300 ft downstream from bridge on U. S. Highway 41, 1 mile downstream from Bay Creek, and 3½ miles upstream from Flat Creek.

Drainage area.--108 sq mi.

Records available.--September 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 279.39 ft above mean sea level. Prior to Sept. 24, 1953, staff gage at same site and datum.

Average discharge.--12 years, 79.9 cfs.

Extremes.--Maximum discharge during year, 1,880 cfs Apr. 15 (gage height, 7.34 ft); minimum, 20 cfs Aug. 18, 19. 1943-55: Maximum discharge, 3,000 cfs Mar. 23, Apr. 23, 1944 (gage height, 8.6 ft, from graph based on gage readings); minimum, that of Aug. 18, 19, 1955.

Remarks.--Records good except those for period of no gage-height record, which are fair.

Revisions (water years).--WSP 1274: 1944-47.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 14, May 27 to June 25, June 27, June 29 to July 1, July 13-15, 20, 21, 23-30, Aug. 1-3, 23-25, 31)

0.1	21	4.5	414
2.0	114	5.0	574
3.0	185	6.0	1,010
3.5	250	6.6	1,340
4.0	300		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	32	52	58	49	*52	46	45	30	34	72	220
2	26	32	49	76	49	52	52	44	28	35	48	77
3	27	32	46	69	50	52	58	41	28	30	37	58
4	27	32	45	54	49	50	52	40	26	29	34	35
5	27	36	49	50	47	50	a50	39	26	30	30	37
6	26	36	111	49	78	49	a49	38	24	32	30	56
7	28	36	127	48	185	50	a56	37	24	30	30	*43
8	28	36	78	46	210	50	a85	37	23	30	30	35
9	28	35	60	45	134	50	a78	36	*22	30	30	51
10	28	35	56	47	76	50	a67	36	22	30	26	28
11	28	35	52	62	67	54	a72	36	24	30	26	30
12	28	35	49	58	65	52	*76	34	23	30	24	29
13	28	36	62	52	58	50	67	34	22	36	24	32
14	28	36	*65	47	56	49	424	34	22	50	24	72
15	28	50	56	46	56	49	*1,340	37	25	38	22	78
16	27	83	52	65	56	49	371	39	30	30	22	50
17	27	111	49	96	60	48	166	40	28	30	22	54
18	28	90	52	78	72	47	*102	40	32	28	21	85
19	28	60	52	102	65	49	83	40	47	28	*21	76
20	28	56	49	108	58	62	74	37	41	37	22	46
21	28	52	47	72	56	60	69	39	32	35	30	39
22	28	46	*46	65	54	60	67	54	28	33	*28	36
23	29	*54	45	69	54	69	62	50	26	36	35	34
24	29	58	45	78	54	58	60	52	28	38	47	32
25	29	50	45	76	54	52	56	52	54	40	37	35
26	29	44	45	*62	52	50	54	48	88	72	31	42
27	29	48	44	56	52	48	52	40	*52	76	30	*69
28	29	78	45	54	52	46	50	36	65	46	26	56
29	32	80	45	52	-	47	48	33	41	34	24	43
30	34	62	49	52	-----	47	46	32	34	56	22	37
31	32	-----	49	50	-----	47	-----	30	-----	96	54	-----
Total	879	1,506	1,715	1,940	1,968	1,598	3,932	1,250	995	1,207	957	1,573
Mean	28.4	50.2	55.3	62.6	70.3	51.5	131	39.7	33.2	38.9	30.9	52.4
Cfsm	0.263	0.465	0.512	0.580	0.651	0.477	1.21	0.368	0.307	0.360	0.286	0.485
In.	0.30	0.52	0.59	0.67	0.68	0.55	1.35	0.42	0.34	0.42	0.33	0.54

Calendar year 1954: Max 206 Min 24 Mean 53.8 Cfsm 0.498 In. 6.77
Water year 1954-55: Max 1,340 Min 21 Mean 53.4 Cfsm 0.494 In. 6.71

Peak discharge (base, 500 cfs).--Apr. 15 (5 a.m.) 1,880 cfs (7.34 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Ocmulgee River at Hawkinsville, Ga.

Location.--Lat 32°17', long 83°28', near center of right truss on downstream side of bridge on U. S. Highway 341 at Hawkinsville, Pulaski County, a quarter of a mile downstream from Southern Railway bridge, 2½ miles downstream from Jordan Creek, and at mile 135.1.

Drainage area.--3,800 sq mi, approximately.

Records available.--January 1944 to September 1955 in reports of Geological Survey. January 1929 to December 1931 in House Document 68, 74th Congress, 1st session. Gage-height records collected at same site since 1908 are contained in reports of U. S. Weather Bureau.

Gage.--Wire-weight gage read once daily. Datum of gage is 189.56 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--11 years, 3,929 cfs.

Extremes.--Maximum discharge during year, 10,900 cfs Apr. 20 (gage height, 14.8 ft, from graph based on gage readings); minimum daily, 420 cfs Oct. 16-20, 23-29. 1944-55: Maximum discharge, 68,000 cfs Dec. 2, 1948 (gage height, 34.4 ft, from graph based on gage readings); minimum daily, that of Oct. 16-20, 23-29, 1954. Maximum stage known since 1908, 36.5 ft Jan. 20, 1925 (discharge, 79,000 cfs).

Remarks.--Records fair. Flow regulated by Lloyd Shoals Reservoir (see p. 20).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to July 29		July 30 to Sept. 30	
0.3	400	1.4	870
2.0	1,230	2.0	1,190
10.0	6,480	5.0	3,060
15.0	11,100		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	575	462	755	1,340	2,160	2,340	2,930	2,040	1,980	1,500	2,080	97C
2	530	440	850	1,500	1,980	2,220	2,930	1,880	1,800	1,450	1,840	1,14C
3	495	440	850	2,100	2,120	2,740	2,860	1,620	1,560	1,280	1,720	1,24C
4	462	440	900	2,360	2,280	3,000	2,540	1,500	1,400	1,280	2,080	1,36C
5	440	462	955	3,120	2,280	3,060	2,340	1,450	1,230	1,280	2,080	1,24C
6	440	462	955	3,320	2,670	3,000	2,540	1,500	1,180	1,230	1,840	1,08C
7	462	495	1,120	3,380	3,260	2,670	3,000	1,620	1,120	1,120	1,540	1,02C
8	462	508	1,400	3,260	4,040	2,100	3,380	1,500	1,080	1,340	1,300	*1,02C
9	462	485	1,500	3,120	4,380	2,040	3,520	1,400	1,060	1,740	1,240	97C
10	462	508	1,450	2,600	4,450	2,600	3,640	1,280	1,060	1,620	1,240	97C
11	462	508	1,230	2,100	4,590	*2,540	3,840	1,280	1,060	1,280	1,300	92C
12	462	508	1,230	1,980	5,360	2,480	3,900	1,230	1,010	1,230	1,300	87C
13	440	495	1,230	2,410	6,410	2,280	3,780	1,230	1,010	1,280	1,190	87C
14	440	508	1,230	2,800	6,930	2,160	4,380	1,230	1,010	1,280	1,300	1,08C
15	440	530	1,280	3,060	6,930	1,860	5,780	1,280	855	1,450	1,140	1,36C
16	420	575	1,340	3,190	6,780	1,860	6,560	1,280	1,010	1,860	*1,020	1,42C
17	420	620	1,340	3,260	6,480	2,480	7,250	1,280	1,010	1,920	970	1,36C
18	420	665	1,340	3,260	5,990	2,740	8,280	1,280	1,060	1,680	1,020	1,42C
19	420	710	1,280	3,260	5,640	2,800	*10,000	1,400	1,120	1,450	1,190	1,36C
20	420	800	1,280	3,320	5,150	2,860	10,700	1,340	1,180	1,230	1,140	1,24C
21	440	800	1,230	3,580	4,520	3,000	9,630	1,400	1,280	1,230	1,080	1,19C
22	440	800	1,230	3,780	3,640	3,190	7,920	1,680	1,340	1,340	1,020	1,14C
23	420	755	*1,230	4,040	3,080	3,450	6,410	2,040	1,400	1,740	970	1,08C
24	420	755	1,340	4,310	2,860	3,640	5,430	2,280	1,340	2,100	970	97C
25	420	710	1,400	4,590	2,600	3,900	4,660	*3,000	1,280	2,220	1,020	97C
26	420	710	1,340	*4,800	2,340	3,970	3,640	3,380	1,280	2,340	1,140	920
27	420	710	1,280	4,870	2,800	4,040	2,930	3,780	1,450	2,670	1,240	92C
28	*420	755	1,230	4,800	2,800	3,970	2,930	4,240	*1,400	2,800	1,190	1,02C
29	420	800	1,280	4,450	-	3,710	2,600	4,660	1,340	2,670	1,080	1,02C
30	440	800	1,280	3,710	-----	3,120	2,280	4,100	1,340	2,860	970	97C
31	462	-----	1,280	2,930	-----	2,930	-----	2,860	-----	2,220	920	-----
Total	13,846	18,196	37,635	101,100	114,540	88,758	142,580	62,020	37,325	52,690	40,150	33,110
Mean	447	607	1,214	3,261	4,091	2,863	4,753	2,001	1,244	1,700	1,295	1,104
Cfsm	0.118	0.160	0.319	0.858	1.08	0.753	1.25	0.527	0.327	0.447	0.341	0.291
In.	0.14	0.18	0.37	0.99	1.12	0.87	1.40	0.61	0.36	0.52	0.39	0.36
Calendar year 1954: Max	8,940			Min	420	Mean	2,058	Cfsm	0.542	In.	7.38	
Water year 1954-55: Max	10,700			Min	420	Mean	2,033	Cfsm	0.535	In.	7.27	

* Discharge measurement made on this day.

Ocmulgee River at Lumber City, Ga.

Location.--Lat 31°55', long 82°40', on downstream side of left pier of drawspan of bridge on U. S. Highway 341 at Lumber City, Telfair County, 500 ft downstream from Southern Railway bridge, 1 mile upstream from Little Ocmulgee River, and 12 miles upstream from confluence with Oconee River.

Drainage area.--5,180 sq mi, approximately.

Records available.--October 1936 to September 1955. Gage-height records collected at same site since 1908 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 87.48 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Nov. 8, 1937, staff gage at same site and datum.

Average discharge.--19 years, 5,346 cfs.

Extremes.--Maximum discharge during year, 11,400 cfs Sept. 17 (gage height, 10.7 ft); minimum, 808 cfs Oct. 30 to Nov. 3.

1936-55: Maximum discharge, 70,000 cfs Dec. 8, 1948; maximum gage height, 22.7 ft Dec. 9, 1948; minimum discharge, that of Oct. 30 to Nov. 3, 1954.

Maximum stage known, 26.3 ft Jan. 21, 1925.

Remarks.--Records good. Flow regulated by Lloyd Shoals Reservoir (see p. 20) for monthly change in contents).

Rating table, water year 1954-55 (gage height, in feet,
and discharge in cubic feet per second)

-1.0	790
4.0	3,820
8.0	7,600
11.0	11,900

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,020	808	1,050	1,560	4,460	3,540	*3,980	5,160	3,750	1,740	3,540	1,920
2	1,020	808	1,080	1,560	4,460	3,470	3,820	4,220	3,900	1,740	3,820	2,040
3	1,020	808	1,080	1,560	4,140	3,470	3,680	3,610	3,820	1,680	3,960	2,340
4	1,020	825	1,110	*1,560	3,470	3,330	3,540	3,190	3,260	1,800	3,720	2,560
5	990	825	1,110	1,680	2,940	3,120	3,540	2,940	2,760	1,800	3,470	2,640
6	960	825	1,110	1,920	2,820	3,190	3,470	2,700	2,400	1,740	3,190	2,700
7	935	825	1,170	2,340	3,000	3,330	3,400	2,520	2,160	1,620	3,060	2,820
8	935	825	1,200	2,580	3,190	3,400	3,260	2,400	2,040	1,560	3,000	2,700
9	910	825	1,230	2,820	3,260	3,400	3,260	*2,340	1,860	1,500	2,880	2,400
10	910	825	1,260	2,940	3,470	3,190	3,400	2,340	1,800	1,560	2,700	2,100
11	910	845	1,380	2,940	3,750	2,880	3,750	2,280	1,680	1,620	2,460	1,920
12	888	845	1,560	3,000	4,060	2,940	4,620	2,160	1,680	1,740	2,220	1,800
13	888	845	1,680	2,880	4,380	2,940	5,160	2,040	1,620	1,800	2,040	1,980
14	888	865	1,620	2,580	*4,620	3,120	5,800	1,980	1,560	1,920	1,980	4,620
15	865	865	1,560	2,400	4,890	3,060	6,400	1,920	1,560	1,920	*1,920	6,080
16	865	888	1,560	2,520	5,250	2,940	6,700	1,980	1,500	1,980	1,860	10,900
17	865	865	1,500	2,820	5,520	2,820	6,800	1,980	1,500	1,920	1,860	11,000
18	*845	888	1,560	2,880	5,900	2,840	6,700	1,980	1,500	1,920	1,860	*9,580
19	845	910	1,560	3,120	6,300	2,840	6,700	1,980	1,500	2,100	1,800	*8,200
20	845	935	1,560	3,260	6,600	2,760	6,900	1,920	*1,470	2,220	1,680	6,900
21	845	960	1,560	3,330	6,800	2,940	7,360	1,920	1,470	2,220	1,620	5,700
22	825	960	1,560	3,330	6,800	3,000	*7,840	1,980	1,560	2,100	1,620	4,710
23	825	1,020	1,560	3,470	6,700	3,120	8,200	1,980	1,620	1,920	1,620	3,900
24	825	1,050	1,560	3,540	6,400	3,190	8,560	2,040	1,620	1,980	1,680	3,400
25	825	1,050	1,500	3,680	6,000	3,260	9,120	2,160	1,680	2,160	1,680	3,000
26	825	1,050	1,500	3,820	5,430	3,400	9,400	2,340	1,680	2,400	1,740	2,820
27	825	1,050	1,560	3,900	4,710	3,540	9,400	2,580	1,680	2,640	2,100	2,520
28	825	1,080	1,620	3,980	3,980	3,680	8,840	2,820	1,680	2,880	2,340	2,400
29	825	1,080	1,620	4,060	-	3,750	7,840	3,060	1,680	3,000	2,460	2,340
30	808	1,050	1,560	4,260	-	3,820	6,500	3,330	1,740	3,120	2,460	2,340
31	808	-	1,560	4,380	-	3,900	-	3,540	-	3,260	2,160	-
Total	27,485	27,300	44,100	90,630	133,300	99,780	177,940	79,390	59,730	63,560	74,620	122,450
Mean	887	910	1,423	2,924	4,761	3,219	5,931	2,561	1,920	2,050	2,407	4,082
Cfsm	0.171	0.176	0.275	0.564	0.919	0.621	1.14	0.494	0.384	0.396	0.465	0.788
In.	0.20	0.20	0.32	0.65	0.96	0.72	1.27	0.57	0.43	0.46	0.54	0.88

Calendar year 1954: Max 14,200 Min 808 Mean 2,944 Cfsm 0.568 In. 7.72
Water year 1954-55: Max 11,000 Min 808 Mean 2,741 Cfsm 0.529 In. 7.20

* Discharge measurement made on this day.

Note.--Discharge computed from once-daily wire-weight-gage readings Dec. 4-9, Jan. 7-31, Mar. 8-14, 1921.

ALTAHAHA RIVER BASIN

Allen Creek at Talmo, Ga.

Location.--Lat 34°12', long 83°43', 400 ft upstream from bridge on State Highway 11, 5 miles upstream from confluence with Pond Fork of Middle Oconee River, and half a mile north of Talmo, Jackson County.

Drainage area.--17.3 sq mi.

Records available.--July 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 784.42 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 920 cfs Feb. 6 (gage height, 8.0 ft); minimum, 1.8 cfs Oct. 6, 7.

1951-55: Maximum discharge, 1,150 cfs Mar. 10, 1952 (gage height, 11.5 ft, from floodmark); minimum, that of Oct. 6, 7, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Dec. 5				Dec. 6 to Sept. 30			
0.6	1.4	1.3	27	0.5	1.7	1.3	31
.7	2.7	1.7	62	.6	2.9	1.6	54
.8	4.7	2.0	97	.7	4.6	2.0	97
1.0	11			.9	10	3.0	250
				1.1	20	4.0	440

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	4.3	7.6	70	13	16	15	13	9.4	7.7	12	3.8
2	2.4	4.3	6.4	64	20	22	34	13	9.0	7.0	8.4	3.6
3	2.4	4.5	6.4	27	15	18	25	12	8.7	6.5	6.0	3.4
4	2.2	5.6	6.2	22	14	18	20	12	8.4	6.8	5.6	3.4
5	2.2	7.9	90	19	14	17	*19	12	8.7	7.7	6.0	3.6
6	2.2	6.2	32	18	386	26	21	11	8.0	9.0	5.1	3.6
7	2.2	5.9	18	16	91	24	22	11	8.7	6.8	6.4	3.1
8	2.9	5.9	15	16	44	21	20	10	9.0	6.3	5.6	2.5
9	3.5	*5.5	18	15	32	19	19	9.7	8.7	6.5	20	2.4
10	3.5	5.3	15	36	27	20	18	9.7	9.0	6.5	6.5	2.7
11	3.3	5.3	13	37	26	19	25	9.7	22	9.7	5.6	2.8
12	3.5	5.3	13	23	22	19	22	*9.7	11	20	5.1	4.4
13	3.5	5.3	16	19	21	19	22	12	9.7	20	4.4	3.4
14	*3.5	5.3	14	*18	20	21	32	13	9.7	12	4.4	*3.6
15	3.1	5.3	13	18	20	19	26	10	9.0	10	4.8	3.2
16	3.3	15	13	17	19	18	23	16	8.7	8.7	5.6	2.8
17	4.1	14	13	16	19	18	22	13	8.0	7.3	4.6	2.7
18	12	12	16	20	18	18	20	10	8.4	7.0	4.1	2.5
19	4.1	17	14	41	18	19	19	9.4	10	6.0	4.3	2.5
20	4.1	10	13	24	18	19	18	*9.0	12	6.0	9.1	2.4
21	3.9	7.6	13	21	17	18	19	15	9.0	9.4	6.8	2.3
22	3.9	*7.0	13	22	17	29	18	17	8.0	8.0	5.1	2.2
23	3.7	8.6	13	19	22	20	20	13	*12	7.7	5.1	2.2
24	3.7	7.6	13	18	*19	19	18	29	13	7.0	8.0	2.3
25	*3.8	7.3	12	17	18	18	17	24	25	7.3	4.3	3.4
26	3.9	7.3	12	16	17	17	16	14	19	12	3.9	3.2
27	3.7	9.0	12	15	17	17	15	12	11	6.3	3.8	3.4
28	3.5	14	12	13	17	17	15	10	9.0	5.6	3.8	3.4
29	4.5	15	21	13	-	16	14	10	8.7	5.6	3.6	3.4
30	3.5	9.6	20	13	-----	16	13	11	7.7	6.5	3.4	4.8
31	3.7	-----	16	13	-----	16	-----	10	-----	7.7	3.2	-----
Total	104.5	242.9	509.6	716	1,001	593	608	390.2	318.5	260.6	184.6	93.0
Mean	3.37	8.10	16.4	23.1	35.8	19.1	20.3	12.6	10.6	8.41	5.95	3.10
Cfsm	0.195	0.468	0.948	1.34	2.07	1.10	1.17	0.728	0.613	0.486	0.344	0.179
In.	0.22	0.52	1.09	1.54	2.16	1.27	1.30	0.84	0.68	0.56	0.40	0.20

Calendar year 1954: Max 481 Min 2.0 Mean 18.1 Cfsm 1.05 In. 14.14
 Water year 1954-55: Max 386 Min 2.2 Mean 13.8 Cfsm 0.798 In. 10.78

Peak discharge (base, 700 cfs).--Feb. 8 (2 p.m.) 920 cfs (8.0 ft).

* Discharge measurement made on this day.

Middle Oconee River near Athens, Ga.

Location.--Lat 33°58', long 83°25', on left bank half a mile upstream from U. S. Highway 29, 2 miles west of Athens, Clarke County, and 5 miles upstream from Barber Creek.

Drainage area.--398 sq mi.

Records available.--October 1901 to October 1902 and April 1937 to September 1955 in reports of Geological Survey. January 1929 to March 1932, in House Document 68, 74th Congress, 1st session.

Gage.--Water-stage recorder. Datum of gage is 555.66 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Oct. 11, 1901, to Oct. 25, 1902, staff gage at site 1 mile 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 miles downstream at different datum.

Average discharge.--18 years (1937-55), 470 cfs.

Extremes.--Maximum discharge during year, 5,600 cfs Feb. 8 (gage height, 11.0 ft); minimum daily, 28 cfs Oct. 8.
1901-2, 1929-32, 1937-55: Maximum discharge observed, 19,600 cfs Feb. 28, 1902 (gage height, 25.5 ft, site and datum then in use); minimum daily, that of Oct. 8, 1954.

Remarks.--Records good. Diurnal fluctuation and slight regulation at times caused by powerplants above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.4	24	3.0	1,500
.7	63	4.0	1,900
1.0	127	8.0	3,630
1.5	320	10.0	4,880
2.0	690		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	57	230	321	265	315	289	208	147	122	110	60
2	38	60	179	1,050	289	320	289	204	130	98	169	60
3	39	65	179	1,250	386	350	425	196	127	79	117	60
4	36	79	169	654	320	315	438	196	122	85	117	58
5	34	100	179	425	269	289	326	179	110	100	110	58
6	33	87	627	361	1,220	305	300	179	83	196	110	58
7	32	94	766	305	3,100	405	344	172	107	193	117	65
8	28	120	344	279	4,740	399	373	153	122	142	142	65
9	30	94	279	256	2,960	338	320	163	122	98	124	58
10	34	87	222	322	909	326	310	159	117	119	248	58
11	39	87	235	994	645	355	320	*153	114	179	*153	56
12	39	89	208	1,130	543	344	392	147	226	179	92	52
13	39	74	235	654	467	361	355	226	156	289	87	*76
14	39	57	269	*452	425	425	467	300	130	320	87	70
15	39	92	248	392	419	355	584	215	112	153	85	62
16	36	117	219	386	*399	332	432	186	112	189	124	57
17	38	179	196	361	399	332	367	252	112	169	110	51
18	39	196	204	320	386	326	338	226	104	117	96	45
19	45	142	239	527	355	367	310	189	104	102	85	43
20	48	179	219	663	332	460	274	182	139	104	76	42
21	48	211	196	475	320	412	274	182	139	104	94	40
22	48	*153	176	432	320	504	289	230	130	114	107	38
23	48	124	182	432	320	645	289	252	*112	142	92	34
24	50	133	182	373	386	467	300	235	253	144	107	33
25	*51	142	179	350	412	399	284	265	215	189	184	35
26	52	133	172	315	367	373	230	315	232	182	96	42
27	54	122	172	310	344	361	230	176	326	124	81	50
28	56	248	169	294	332	338	230	176	142	117	70	58
29	58	504	176	289	-	305	222	159	156	110	67	52
30	60	320	235	279	-----	310	219	144	136	102	60	50
31	44	-----	256	265	-----	*294	-----	142	-----	124	57	-----
Total	1,310	4,145	7,541	14,916	21,629	11,427	9,820	6,161	4,337	4,485	3,374	1,586
Mean	42.3	136	243	481	772	369	327	199	145	145	109	52.9
Cfs/m	0.106	0.347	0.611	1.21	1.84	0.927	0.822	0.500	0.364	0.364	0.274	0.133
In.	0.12	0.39	0.70	1.40	2.02	1.07	0.92	0.58	0.41	0.42	0.32	0.15
Calendar year 1954: Max	6,770				Min 28	Mean 298	Cfs/m 0.749	In. 10.18				
Water year 1954-55: Max	4,740				Min 28	Mean 249	Cfs/m 0.626	In. 8.50				

Peak discharge (base, 3,800 cfs).--Feb. 8 (7 p.m.) 5,600 cfs (11.0 ft).

* Discharge measurement made on this day.

ALTAMAHA RIVER BASIN

Oconee River near Greensboro, Ga.

Location.--Lat 33°35', long 83°16', on right bank 300 ft downstream from bridge on State Highway 12, 1 mile downstream from Town Creek, 5 miles upstream from Apalachee River, 5 miles west of Greensboro, Green County, 12 miles downstream from Barnett Shoals Dam, and at mile 198.9.

Drainage area.--1,090 sq mi, approximately.

Records available.--July 1903 to September 1923 and May 1937 to September 1955 in reports of Geological Survey. October 1903 to December 1931 (including revised records for October 1918 to September 1923) in House Document 68, 74th Congress, 1st session.

Gage.--Water-stage recorder. Datum of gage is 409.82 ft above mean sea level, unadjusted. Prior to Nov. 8, 1938, various nonrecording gages at present site and datum.

Average discharge.--45 years (1903-13, 1914-31, 1937-55), 1,449 cfs.

Extremes.--Maximum discharge during year, 7,480 cfs Feb. 10 (gage height, 15.4 ft); minimum daily, 59 cfs Oct. 8.

1903-31, 1937-55: Maximum gage height observed, 35.4 ft Aug. 26, 1908 (discharge not determined); minimum daily discharge, that of Oct. 8, 1954.

Remarks.--Records good. Diurnal fluctuation and some regulation at low flow by Barnett Shoals powerplant.

Revisions (water years).--WSP 262: 1908-9. WSP 822: Drainage area. See also Records available.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

-0.1	58	2.0	525
0	70	4.0	1,230
0.5	156	13.0	5,560
1.0	262	16.0	8,100

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	76	138	784	750	649	908	716	540	427	326	319	160
2	66	113	540	2,020	899	854	733	511	413	269	290	180
3	73	122	483	2,340	750	872	854	497	400	264	314	229
4	69	176	400	2,160	854	854	1,040	497	386	238	314	188
5	71	186	427	*1,570	767	836	1,040	483	347	214	360	196
6	70	260	633	1,110	959	784	890	469	347	251	276	142
7	63	274	1,360	926	3,990	962	890	386	285	400	244	166
8	59	220	1,270	856	5,280	1,080	926	413	347	400	309	176
9	68	220	926	716	6,650	1,000	908	*427	319	373	302	156
10	71	242	733	733	7,280	890	818	360	334	373	*283	146
11	62	231	585	1,660	4,680	908	854	386	347	400	386	158
12	60	218	617	2,200	1,840	872	962	413	334	525	329	*136
13	73	238	570	1,980	1,440	908	1,000	733	455	767	242	174
14	76	229	716	1,440	1,230	962	1,480	750	400	962	211	134
15	74	*205	750	1,080	*1,150	1,000	1,620	818	373	787	269	211
16	68	249	617	1,000	1,110	926	1,360	699	322	427	400	123
17	81	334	585	926	1,080	890	1,110	908	280	400	386	164
18	64	455	555	908	1,080	872	962	818	285	386	309	132
19	*80	483	555	1,190	1,000	926	890	649	347	314	251	94
20	80	441	585	1,480	926	1,320	784	525	400	304	236	118
21	94	469	555	1,360	908	1,270	801	818	386	347	218	92
22	104	497	497	1,230	890	1,110	750	926	*360	400	222	100
23	105	386	511	1,150	854	1,230	784	872	347	441	240	84
24	109	400	483	1,080	908	1,270	801	818	334	441	238	81
25	120	386	469	926	1,150	1,040	767	733	570	469	216	74
26	114	360	469	890	1,110	962	733	854	511	497	295	89
27	125	360	469	818	962	890	617	818	483	525	225	113
28	129	319	427	784	908	854	585	585	570	386	196	102
29	116	716	469	767	-	836	585	525	360	274	134	111
30	138	1,040	497	733	-----	750	601	455	322	334	172	116
31	138	-----	570	699	-----	*784	-----	455	-----	309	142	-----
Total	2,696	9,967	19,107	37,462	51,104	29,620	26,861	19,141	11,391	12,783	8,328	4,145
Mean	87.0	332	816	1,208	1,823	955	895	617	380	412	269	138
Cfsm	0.080	0.305	0.565	1.11	1.67	0.876	0.821	0.566	0.349	0.378	0.247	0.127
In.	0.09	0.34	0.65	1.28	1.74	1.01	0.92	0.65	0.39	0.44	0.28	0.14

Calendar year 1954: Max 7,990 Min 59 Mean 706 Cfsm 0.648 In. 8.78
 Water year 1954-55: Max 7,280 Min 59 Mean 637 Cfsm 0.584 In. 7.93

Peak discharge (base, 6,000 cfs)--Feb. 10 (11 a.m.) 7,480 cfs (15.4 ft).

* Discharge measurement made on this day.

Apalachee River near Buckhead, Ga.

Location--Lat 33°36', long 83°21', at downstream side of right bank pier of bridge on State Highway 12, 2 miles downstream from Hard Labor Creek, 3 miles northeast of Buckhead, Morgan County, and 9 miles upstream from mouth.

Drainage area--436 sq mi.

Records available--March 1901 to December 1908, May 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 424.07 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Mar. 22, 1905, staff gage, and Mar. 22, 1905 to Dec. 31, 1908, chain gage, at same site at different datum. May 13, 1937, to Feb. 1, 1939, staff gage at same site and datum.

Average discharge--18 years (1937-55), 520 cfs.

Extremes--Maximum discharge during year, 3,390 cfs Feb. 8 (gage height, 12.0 ft); minimum daily, 16 cfs Oct. 13.
1901-8, 1937-55: Maximum gage height observed, 27.5 ft Aug. 25, 1908, datum then in use (discharge not determined); minimum daily discharge, that of Oct. 13, 1954 Flood of Nov. 29, 1948, reached a stage of 26.8 ft (discharge, 23,800 cfs).

Remarks--Records good. Moderate diurnal fluctuation at low flow caused by milldams above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 29 to Feb. 7, Feb. 10 to Mar. 20)

0.2	10	4.0	616
.5	33	7.0	1,350
1.0	87	10.0	2,390
2.0	232	12.0	3,390

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	40	353	274	256	362	299	208	180	95	274	386
2	29	36	224	816	265	353	299	199	166	87	194	400
3	31	46	186	1,210	317	335	362	186	156	81	151	180
4	25	49	162	840	317	317	321	192	147	79	140	138
5	*17	73	154	*530	274	308	344	173	135	83	149	126
6	21	91	274	391	391	299	317	167	154	130	144	123
7	25	85	440	335	1,470	400	353	162	135	135	116	120
8	19	75	344	290	3,150	450	382	147	133	104	147	108
9	22	71	240	265	2,470	372	326	*144	124	92	224	95
10	17	71	208	265	1,280	344	308	138	120	90	*208	85
11	19	71	196	616	748	344	344	141	128	149	196	86
12	19	72	176	1,140	616	335	450	140	127	185	141	*72
13	16	73	191	792	500	353	420	530	127	248	112	83
14	19	74	274	748	440	353	660	682	119	248	101	92
15	18	*81	282	410	*410	372	816	372	110	216	186	83
16	20	103	232	391	400	372	616	274	114	160	265	81
17	21	166	197	391	400	353	480	644	106	121	265	75
18	21	194	186	353	420	335	410	912	103	133	158	72
19	*20	174	192	639	391	391	372	450	121	216	117	60
20	27	200	186	864	362	704	344	290	140	147	137	61
21	29	208	170	638	335	792	317	530	138	391	290	62
22	30	166	162	530	326	616	317	616	*123	299	317	58
23	31	148	156	510	317	530	317	792	108	240	216	57
24	31	160	154	450	344	530	344	984	123	400	164	50
25	31	149	151	391	490	430	317	594	137	308	134	48
26	31	128	141	353	510	400	274	430	164	290	121	50
27	33	120	141	326	420	362	248	335	162	240	99	76
28	31	124	141	308	382	344	240	274	147	160	83	83
29	35	208	147	290	-	326	232	224	119	154	82	79
30	39	382	167	282	-----	326	216	216	105	208	76	74
31	32	-----	182	265	-----	*308	-----	197	-----	290	73	-----
Total	789	3,638	6,409	15,902	18,001	12,416	11,115	11,332	3,951	5,779	5,080	3,164
Mean	25.5	121	207	515	645	401	370	365	132	196	164	105
Cfsm	0.058	0.278	0.475	1.18	1.47	0.920	0.849	0.839	0.303	0.427	0.376	0.241
In.	0.07	0.31	0.55	1.36	1.53	1.06	0.95	0.97	0.34	0.49	0.43	0.27

Calendar year 1954: Max 2,230 Min 16 Mean 251 Cfsm 0.576 In. 7.83
Water year 1954-55: Max 3,150 Min 16 Mean 267 Cfsm 0.612 In. 8.33

Peak discharge (base, 5,000 cfs).--No peak above base.

* Discharge measurement made on this day.

OCONEE RIVER BASIN

Murder Creek near Monticello, Ga.

Location.--Lat 33°25', long 83°40', on left bank 350 ft upstream from bridge on State Highway 229, three-quarters of a mile upstream from Pittman Creek, 1½ miles downstream from confluence of Robinson and Sheppard Creeks, and 8 miles north of Monticello, Jasper County.

Drainage area.--24 sq mi, approximately.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 498.21 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Extremes.--Maximum and minimum discharges for the water years 1952-55 are contained in the following table:

Water year	Maximum			Minimum	
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)
1952	(a)	1,680	6.7	Oct. 17-20, 1951	2.6
1953	May 4, 1953	1,190	5.4	Oct. 8, 21, 1952	5.2
1954	Dec. 6, 1953	364	2.90	Sept. 10, 1954	.68
1955	Sept. 26, 1955	415	3.04	Oct. 14, 1954	.74

a Occurred Mar. 4, July 22, 1952.

1951-55: Maximum discharge, 1,680 cfs Mar. 4, July 22, 1952 (gage height, 6.7 ft); minimum, 0.68 cfs Sept. 10, 1954.

Remarks.--Records good except those for periods of no gage-height record and those above 600 cfs, which are fair.

Rating tables, Oct. 1, 1951, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1, 1951, to Sept. 30, 1952,
Oct. 1, 1953, to Nov. 16, 1954

0.2	0.55	1.0	30
.3	1.2	1.5	80
.4	2.2	2.0	152
.5	3.7	2.5	258
.6	6.0	3.0	400
.8	15	5.0	1,050

Oct. 1, 1952, to Sept. 30, 1953,
Nov. 17, 1954, to Sept. 30, 1955.

0.39	2.5	0.6	7.0
.4	2.7	.8	16
.5	4.5	.9	22

Note.--Same as preceding table above 0.9 ft.

Discharge, in cubic feet per second, water year October 1951 to September 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	8.8	7.6	16	24	50	45	21	13	14	8.8	8.8
2	4.8	17	7.6	16	22	35	68	20	12	12	12	8.4
3	4.8	12	7.6	14	79	*781	44	18	10	10	9.2	8.0
4	4.6	9.2	16	14	47	903	43	18	*10	9.2	8.0	6.4
5	*4.2	6.8	13	25	35	120	43	17	17	8.8	7.2	6.8
6	3.7	6.8	12	21	28	74	38	16	18	8.4	7.2	6.4
7	3.9	13	10	17	24	58	35	15	12	8.4	11	6.0
8	3.7	8.8	10	16	23	49	34	14	10	8.0	12	5.8
9	3.7	8.4	9.6	15	21	44	34	14	14	8.4	20	5.5
10	3.7	7.6	9.6	14	20	148	33	14	14	8.4	14	5.5
11	3.6	7.6	9.2	14	19	374	32	24	12	7.2	9.6	5.8
12	3.6	7.2	8.8	14	18	*91	31	17	10	6.8	8.4	26
13	3.4	6.8	8.4	13	19	78	39	14	10	6.4	8.0	20
14	3.2	15	8.8	13	21	60	35	14	9.2	6.4	8.8	12
15	3.0	37	16	13	43	51	31	14	8.8	6.0	7.2	10
16	3.0	14	11	14	36	45	30	13	8.4	5.5	6.4	10
17	*2.6	9.6	9.6	13	28	42	28	12	63	*10	5.8	8.8
18	2.8	9.2	21	12	24	41	27	12	66	5.5	5.5	8.0
19	*2.6	8.8	*21	12	22	79	26	18	16	5.5	8.8	15
20	2.8	8.4	156	12	21	48	25	18	13	5.1	8.4	12
21	3.2	8.0	99	12	21	50	24	14	12	32	6.4	10
22	4.2	8.0	43	22	20	48	23	12	12	499	*5.8	12
23	5.1	8.8	29	22	19	87	*22	12	11	34	6.4	10
24	7.2	8.8	24	33	22	725	25	12	9.6	18	6.4	8.8
25	*5.5	8.8	21	26	22	144	33	18	8.8	14	5.8	8.4
26	4.2	*8.4	38	24	56	84	41	20	8.4	12	5.1	8.4
27	4.2	7.6	31	21	84	64	43	13	7.6	10	5.1	8.0
28	15	8.0	24	*62	55	33	12	33	9.2	4.6	7.2	7.2
29	*7.8	7.6	21	42	38	49	27	14	58	8.8	17	7.2
30	7.6	7.6	20	30	---	44	23	16	16	8.0	30	7.2
31	*7.6	---	18	25	---	43	---	14	---	7.6	12	---
Total	141.9	303.6	740.8	697	903	4,564	1,015	480	522.8	812.6	290.9	282.4
Mean	4.58	10.1	23.9	22.5	31.1	147	33.8	15.5	17.4	26.2	9.38	9.41
Cfsm	0.191	0.421	0.998	0.938	1.30	6.12	1.41	0.648	0.725	1.09	0.391	0.392
In.	0.22	0.47	1.15	1.08	1.40	7.06	1.57	0.74	0.81	1.26	0.45	0.44

Calendar year 1951: Max - Min - Mean - Cfsm - In. -
Water year 1951-52: Max 903 Min 2.6 Mean 29.5 Cfsm 1.23 In. 16.65

Peak discharge (base, 360 cfs)--Mar. 4 (8 a.m.) 1,680 cfs (6.7 ft); Mar. 11 (8 a.m.) 788 cfs (4.18 ft); Mar. 24 (12 m.) 1,160 cfs (5.3 ft); July 22 (7 a.m.) 1,680 cfs (6.7 ft).

* Discharge measurement made on this day.

Murder Creek near Monticello, Ga.--Continued

Discharge, in cubic feet per second, water year October 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	*7.0	6.5	7.8	34	27	44	28	219	14	12	9.8	6.0
3	6.8	6.8	9.8	28	24	41	28	76	14	11	9.4	140
4	5.8	6.8	11	30	21	90	27	121	13	11	9.0	32
5	5.8	6.8	8.6	21	21	131	28	561	13	13	8.6	18
	5.8	6.8	10	18	20	67	24	95	13	13	8.2	140
6	5.8	7.0	10	18	22	49	28	147	14	11	7.8	46
7	5.8	*7.0	9.4	17	80	42	28	*120	17	10	7.8	25
8	*5.5	6.5	9.0	19	42	58	24	73	17	14	7.4	18
9	7.0	6.5	9.0	84	33	34	23	53	16	11	9.4	15
10	7.0	6.8	9.8	124	29	32	28	43	17	10	7.8	13
11	7.0	8.2	11	72	28	58	24	37	22	9.8	7.0	12
12	7.0	8.6	9.4	42	*32	54	34	32	16	9.0	7.0	12
13	6.5	7.8	9.0	32	a28	44	28	29	15	8.6	6.8	11
14	6.2	7.8	8.6	28	a40	39	24	28	14	8.8	6.5	9.8
15	8.6	7.8	8.6	24	a70	38	23	25	14	9.0	6.2	*9.8
16	7.8	7.8	8.2	21	a130	34	21	24	15	30	6.2	9.8
17	7.0	7.8	8.2	20	44	51	21	24	15	15	7.8	9.4
18	6.5	7.8	8.2	24	37	42	20	23	*13	111	11	9.0
19	6.5	8.6	7.8	24	33	99	20	40	12	48	15	13
20	6.2	12	14	21	35	54	20	34	20	23	20	82
21	5.5	10	16	70	66	49	20	27	14	20	9.8	20
22	5.8	8.2	12	33	79	101	20	24	12	23	8.2	14
23	6.2	7.8	15	95	50	88	18	21	16	17	8.6	12
24	6.5	*7.8	18	77	102	85	18	20	15	14	7.8	12
25	6.5	7.8	15	46	95	51	17	19	13	12	7.4	38
26	6.5	8.2	14	36	136	44	19	17	14	11	7.0	150
27	6.5	8.6	12	32	72	39	17	17	21	14	7.0	253
28	6.2	7.8	a 11	30	52	37	17	16	18	17	6.8	61
29	6.0	7.3	a13	27	-	34	16	16	14	*12	6.5	36
30	6.2	7.8	a18	26	-----	*32	384	15	12	11	6.5	40
31	6.5	-----	*890	24	-----	30	-----	15	-----	10	6.2	-----
Total	200.0	233.5	421.4	1,198	1,448	1,631	1,045	2,011	453	547.0	280.5	1,266.8
Mean	6.45	7.78	13.6	38.6	51.7	52.6	34.9	64.9	15.1	17.6	8.40	42.2
Cfsm	0.269	0.324	0.567	1.61	2.15	2.19	1.45	2.70	0.629	0.733	0.350	1.76
In.	0.31	0.36	0.65	1.86	2.24	2.52	1.62	3.11	0.70	0.85	0.40	1.96

Calendar year 1952: Max 903 Min 4.6 Mean 28.5 Cfsm 1.19 In. 16.13
 Water year 1952-53: Max 561 Min 5.5 Mean 29.4 Cfsm 1.22 In. 16.58

Peak discharge (base, 360 cfs).--Apr. 30 (10 p.m.) 948 cfs (4.7 ft); May 4 (7 a.m.) 1,190 cfs (5.4 ft); Sept. 2 (4 p.m.) 376 cfs (2.92 ft); Sept. 27 (5 a.m.) 520 cfs (3.39 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Tobesofkee Creek near Macon.

Discharge, in cubic feet per second, water year October 1953 to September 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	64	10	11	48	22	21	29	12	6.4	3.9	2.2	1.0
3	39	10	11	41	22	19	27	12	6.0	4.2	2.4	.94
4	28	10	*11	23	22	18	26	12	13	5.1	1.9	.94
5	23	10	116	34	21	18	24	15	11	5.8	1.9	.94
6	20	12	43	32	21	17	*24	12	7.6	4.4	1.7	.88
7	18	12	138	30	20	17	24	11	6.8	4.2	1.5	.88
8	16	12	66	27	19	17	23	10	6.8	3.7	7.3	.81
9	15	12	38	27	19	17	21	11	6.0	4.4	3.2	.81
10	14	12	37	26	19	17	21	10	5.8	4.6	3.0	*.81
	14	12	74	26	19	16	21	10	5.8	4.4	3.1	*1.1
11	14	12	39	27	19	16	20	9.6	5.8	4.2	2.4	2.5
12	14	12	168	24	19	16	19	9.2	7.2	3.6	2.2	1.3
13	12	12	99	*22	18	16	18	16	8.7	3.4	2.1	1.1
14	12	12	160	22	18	42	22	15	12	3.7	2.0	1.1
15	13	12	65	22	18	22	19	14	6.8	7.2	1.7	1.1
16	14	12	47	34	19	20	18	12	5.8	4.8	1.6	2.1
17	13	12	38	27	30	19	18	10	5.5	6.8	1.8	2.1
18	12	12	34	21	18	16	16	10	6.8	6.4	1.7	2.1
19	12	12	30	23	20	81	15	*12	6.8	4.4	2.4	1.8
20	*12	12	29	23	27	58	15	10	5.5	3.7	2.5	1.3
21	12	16	39	28	39	37	14	9.2	5.3	3.2	3.6	*.94
22	12	13	44	41	27	30	14	8.8	4.8	3.0	2.0	.81
23	12	14	46	34	24	28	14	8.8	4.6	3.0	1.9	.81
24	12	12	35	29	*25	28	14	8.0	4.8	2.8	1.9	.88
25	10	12	35	28	23	26	12	7.6	5.1	3.0	1.8	1.1
26	10	12	34	27	21	31	14	8.0	4.8	3.0	1.6	1.4
27	11	12	30	28	20	43	12	7.6	4.6	2.5	1.3	1.4
28	12	12	29	26	21	50	12	7.6	4.4	2.2	1.2	1.0
29	11	12	68	24	-	38	12	7.6	3.9	2.1	1.4	.94
30	10	11	77	23	-----	40	12	7.2	*3.9	2.0	1.3	1.0
31	10	-----	67	23	-----	33	-----	6.8	-----	2.1	1.1	-----
Total	501	358	1,758	887	613	869	550	320.0	192.3	121.8	67.7	35.89
Mean	16.2	11.9	56.7	28.6	21.9	28.0	18.3	10.3	6.41	3.93	2.18	1.20
Cfsm	0.675	0.496	2.36	1.19	0.912	1.17	0.762	0.429	0.267	0.164	0.091	0.050
In.	0.78	0.55	2.72	1.37	0.95	1.35	0.85	0.49	0.30	0.19	0.10	0.06

Calendar year 1953: Max 561 Min 6.0 Mean 34.1 Cfsm 1.42 In. 19.31
 Water year 1953-54: Max 168 Min 0.81 Mean 17.2 Cfsm 0.717 In. 9.71

Peak discharge (base, 360 cfs).--Dec. 6 (5 p.m.) 364 cfs (2.90 ft).

* Discharge measurement made on this day.

OCONEE RIVER BASIN

Murder Creek near Monticello, Ga.--Continued

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	2.2	5.8	68	12	14	12	9.4	5.8	3.2	*11	6.5
2	.94	2.5	5.5	70	12	14	12	8.6	5.5	2.9	7.4	5.0
3	.88	2.6	5.5	29	12	14	25	8.6	5.2	2.7	6.2	4.1
4	.94	3.1	5.5	20	11	12	15	8.2	5.0	2.5	11	4.1
5	1.1	4.6	7.5	*16	11	12	14	7.8	5.0	2.5	9.8	4.1
6	.94	2.8	15	14	42	13	14	7.0	4.8	2.7	6.5	4.3
7	.88	2.5	8.2	12	65	17	42	6.5	4.8	4.1	5.8	*3.8
8	1.1	2.5	7.0	12	32	14	28	6.5	4.5	3.2	5.8	3.2
9	1.2	3.0	7.0	11	22	12	20	*6.2	4.1	3.2	5.5	3.1
10	1.2	3.0	6.8	12	18	14	18	6.0	4.3	4.3	5.0	2.9
11	1.1	3.0	6.5	16	*17	14	29	5.8	5.0	3.6	4.5	2.9
12	1.2	*3.0	6.5	13	14	14	24	6.0	4.3	5.2	4.5	3.2
13	1.3	3.0	9.8	12	14	20	23	7.8	4.8	18	4.3	3.8
14	.81	3.0	10	11	14	17	151	9.8	4.8	14	4.1	5.8
15	.81	3.4	7.8	11	14	17	56	7.0	5.0	5.5	42	3.8
16	.88	6.0	7.4	17	13	16	37	7.8	5.0	4.0	54	3.1
17	.94	10	7.0	18	15	15	28	16	4.8	3.6	12	2.9
18	1.1	*5.8	7.8	30	14	15	22	9.0	4.5	3.4	7.8	3.2
19	1.0	5.2	7.4	98	12	21	20	8.2	6.0	3.4	6.2	3.2
20	*1.1	7.0	7.0	35	12	26	18	7.4	*6.0	68	6.2	2.9
21	*1.1	5.2	7.0	25	12	21	17	17	4.8	33	6.5	2.5
22	1.1	5.0	7.0	28	12	25	17	18	4.1	11	5.5	2.2
23	1.2	6.0	7.0	23	11	20	15	21	5.0	14	4.8	2.1
24	1.2	5.5	6.8	21	18	18	14	14	7.0	17	4.5	2.1
25	1.3	5.0	6.8	18	23	17	13	12	5.5	15	4.5	2.3
26	1.4	4.8	6.8	16	17	15	12	9.4	4.8	9.8	4.3	154
27	1.4	4.8	7.0	16	17	14	12	8.2	4.3	7.4	4.1	28
28	1.6	5.0	7.8	15	15	*14	11	7.0	4.0	6.8	3.8	13
29	2.2	6.5	8.6	14	-	14	10	6.5	3.8	8.6	3.8	9.8
30	2.0	5.8	9.0	13	-----	12	9.8	6.5	3.4	7.4	3.6	8.6
31	2.0	-----	9.0	12	-----	12	-----	6.2	-----	11	7.8	-----
Total	37.02	131.8	233.8	726	501	493	738.8	285.4	145.9	301.0	272.8	298.5
Mean	1.19	4.39	7.54	23.4	17.9	15.9	24.6	9.21	4.86	9.71	8.80	9.95
Cfsm	0.050	0.183	0.314	0.975	0.746	0.662	1.02	0.384	0.202	0.405	0.367	0.415
In.	0.06	0.20	0.36	1.12	0.78	0.76	1.14	0.44	0.23	0.47	0.42	0.46

Calendar year 1954: Max 81 Min 0.81 Mean 11.1 Cfsm 0.462 In. 6.28

Water year 1954-55: Max 154 Min 0.81 Mean 11.4 Cfsm 0.475 In. 6.44

Peak discharge (base, 360 cfs).--Sept. 26 (1 p.m.) 415 cfs (3.04 ft).

* Discharge measurement made on this day.

Oconee River at Milledgeville, Ga.

Location.--Lat 33°05', long 83°13', on left bank 900 ft upstream from bridge on State Highway 24 at Milledgeville, Baldwin County, half a mile upstream from Fishing Creek, 4 miles downstream from Sinclair Dam (formerly called Furman Shoals Dam) of Georgia Power Co., and at mile 144.9.

Drainage area.--2,950 sq mi, approximately.

Records available.--August 1903 to December 1905, May 1906 to December 1908, October 1909 to September 1923, and April 1937 to September 1955 in reports of Geological Survey. May 1906 to December 1908 and October 1909 to December 1931 in House Document 68, 74th Congress, 1st session. Gage-height records collected since 1904 at site 900 ft downstream are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 230.84 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Dec. 31, 1905, staff gage at site 900 ft downstream at same datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, staff gage at Fraley's Ferry, 7 miles upstream at different datum. Apr. 17, 1937, to Sept. 30, 1939, wire-weight gage at site 900 ft downstream at present datum.

Average discharge.--40 years (1906-8, 1909-16, 1918-31, 1937-55), 3,385 cfs (adjusted for storage).

Extremes.--Maximum discharge during year, 8,780 cfs Apr. 14 (gage height, 14.9 ft); minimum daily, 90 cfs Apr. 3.

1903-31, 1937-55: Maximum discharge, 95,000 cfs Aug. 16, 1928 (gage height, 38.7 ft, present site and datum, from floodmark), from rating curve extended above 50,000 cfs on basis of records at former site (Fraley's Ferry); minimum daily, 90 cfs for several days in August and September 1925 and on Apr. 3, 1955.

Maximum stage known since 1903, that of Aug. 16, 1928.

Remarks.--Records good except those for period of no gage-height record, which are fair. Flow regulated by Sinclair Dam beginning November 1952 (usable capacity, 214,600 acre-ft).

Revisions (water years).--WSP 922: Drainage area. WSP 1142: 1928(M).

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	580	220	488	1,240	2,720	1,600	1,090	359	184	783	1,600	446
2	192	300	480	805	1,520	1,560	128	642	*232	337	*1,640	616
3	272	680	485	2,560	2,310	1,610	90	1,330	271	433	1,730	392
4	570	290	179	2,410	1,780	1,100	3,070	1,570	340	472	800	362
5	400	690	183	4,100	146	297	2,750	1,420	160	508	711	475
6	330	350	1,660	3,680	1,160	148	2,660	2,350	217	482	588	508
7	542	210	990	2,880	6,220	2,720	1,640	316	271	464	450	480
8	295	280	978	1,060	7,420	2,110	2,740	294	426	428	875	*560
9	320	300	648	156	7,280	1,300	1,030	*320	543	362	690	511
10	182	400	712	2,230	7,340	1,350	301	*808	*610	368	1,150	794
11	308	920	365	3,010	*7,700	1,500	3,120	868	461	534	1,290	343
12	352	700	360	*1,880	7,940	145	2,700	1,220	377	2,370	712	434
13	485	350	1,280	2,630	7,260	1,490	3,900	1,150	476	1,460	491	357
14	320	170	1,150	3,500	7,260	2,200	6,520	879	588	2,830	363	354
15	252	580	1,300	1,240	7,260	2,620	7,530	760	462	2,280	995	477
16	210	210	850	140	7,150	2,760	5,330	1,600	463	784	2,200	488
17	315	470	800	3,820	7,150	2,090	1,120	2,990	443	469	1,080	405
18	645	702	224	4,500	7,150	7,130	4,580	414	679	2,600	354	
19	*195	610	326	5,540	6,250	326	5,670	3,360	268	708	2,560	734
20	284	165	1,540	5,360	385	3,460	3,330	3,540	682	388	512	467
21	370	258	1,200	*4,760	1,620	4,350	1,270	1,430	*1,100	1,630	400	707
22	490	700	1,220	3,760	1,480	4,550	417	5,320	354	1,430	698	1,070
23	300	715	1,340	430	400	3,440	848	8,980	460	976	*1,490	962
24	160	482	1,500	4,420	1,310	2,940	155	4,770	826	667	1,110	400
25	330	420	222	5,470	576	3,410	1,290	5,130	490	2,720	673	327
26	350	612	156	1,180	188	250	778	4,830	322	2,500	1,360	1,260
27	440	230	739	1,320	118	140	809	4,410	482	1,310	352	624
28	300	170	1,540	*1,530	1,480	3,280	868	4,320	1,120	1,840	406	932
29	400	345	1,560	146	-	*2,570	760	210	1,430	1,780	516	1,340
30	300	702	1,560	108	-----	1,800	198	1,260	734	1,070	636	782
31	180	-----	1,540	1,880	-----	1,390	-----	190	-----	972	663	-----
Total	10,669	13,231	27,315	75,745	110,573	61,626	69,242	69,504	52,206	34,054	31,541	17,981
Mean	344	441	881	2,443	3,949	1,988	2,308	2,242	507	1,099	1,017	599
(+)	-312	+40	27	+444	+23	+342	+370	-171	+176	-146	-348	-277

Adjusted for change in contents in Sinclair Reservoir

Mean	32	481	1,135	2,887	3,972	2,330	2,678	2,071	683	953	669	322
Cfs	0.011	0.163	0.395	0.979	1.35	0.790	0.908	0.702	0.232	0.325	0.227	0.109
In.	0.01	0.18	0.44	1.13	1.41	0.91	1.01	0.61	0.26	0.37	0.26	0.12

	Observed				Adjusted			
Calendar year 1954:	Max	6,910	Min	92	Mean	1,338	Mean	1,335
Water year 1954-55:	Max	7,940	Min	90	Mean	1,470	Mean	1,502
							Cfs	0.453
							In.	6.12
							Cfs	0.509
							In.	6.91

* Discharge measurement made on this day.

† Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir; furnished by Georgia Power Co.

Note.--No gage-height record Oct. 21 to Nov. 16; discharge estimated on basis of tailrace readings at Sinclair Dam.

Oconee River at Dublin, Ga.

Location.--Lat 32°32', long 82°54', near left bank on downstream end of pier of relocated bridge on U. S. Highway 80 at Dublin, Laurens County, and at mile 77.9.

Drainage area.--4,400 sq mi, approximately.

Records available.--January 1894 to January 1898 (gage heights only), February 1898 to December 1913, and October 1931 to September 1955 in reports of Geological Survey. January 1929 to December 1931 in House Document 68, 74th Congress, 1st session. Gage-height records collected at same site since 1893 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 149.08 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Jan. 1, 1894, to Dec. 31, 1913, and Jan. 1, 1929, to Apr. 14, 1932, staff gage and Apr. 15, 1932, to July 17, 1934, water-stage recorder, at site 420 ft downstream at datum 3.0 ft higher. July 18, 1934, to Apr. 14, 1936, water-stage recorder, Apr. 15, 1936, to Oct. 12, 1938, wire-weight gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder, at site 80 ft upstream at present datum.

Average discharge.--38 years (1898-1912, 1931-55), 4,858 cfs.

Extremes.--Maximum discharge during year, 11,800 cfs Apr. 18 (gage height, 13.9 ft); minimum, 336 cfs Oct. 26, 27.
1898-1913, 1931-55: Maximum discharge, 96,700 cfs Apr. 12, 13, 1936 (gage height, 32.97 ft); minimum, 333 cfs Sept. 12, 1951 (gage height, 0.48 ft).
Maximum stage known since 1893, that of Apr. 12, 13, 1936.

Remarks.--Records good. Flow regulated by Sinclair Reservoir (see preceding page for monthly change in contents).

Revisions.--WSP 822: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 4 to Nov. 4, Nov. 6, 8-12, Nov. 19 to Dec. 7, Feb. 21 to Apr. 14, Sept. 16-30)

0.4	330	9.0	6,230
1.5	705	14.0	11,900
3.0	1,500		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	915	454	665	1,620	1,260	1,380	2,160	1,290	1,690	1,260	1,760	890
2	750	406	890	1,690	2,510	2,020	1,880	965	1,070	990	2,020	1,070
3	665	365	865	2,160	2,580	2,090	1,820	965	865	915	2,090	1,200
4	406	437	915	2,020	2,440	2,160	1,260	1,180	750	665	2,090	1,410
5	354	750	865	2,810	2,580	2,020	2,020	1,500	705	705	1,760	1,150
6		504	572	795	3,610	2,020	1,760	3,370	1,560	705	795	1,230
7		538	818	890	*4,250	2,090	1,260	3,690	1,760	*590	795	1,120
8		454	555	1,440	3,850	5,600	1,560	3,770	1,880	555	818	1,040
9		572	470	1,290	2,650	7,310	2,730	3,450	890	555	840	965
10		470	504	1,260	1,620	8,000	2,440	3,130	*705	590	795	1,120
11		422	504	1,040	1,440	8,540	2,020	2,650	705	685	840	1,150
12		366	572	1,040	3,050	8,890	2,090	2,970	940	750	865	1,290
13		354	940	890	3,050	8,890	1,880	4,010	1,100	685	*1,380	1,290
14		390	865	890	2,730	8,770	1,560	5,420	1,260	608	2,160	965
15		470	665	1,350	3,210	8,650	2,090	8,890	1,200	665	2,230	795
16		454	608	1,410	3,210	8,320	2,730	10,200	1,200	728	2,970	*865
17		372	750	1,410	1,820	*8,210	3,050	11,200	1,580	705	2,020	1,500
18		354	750	1,150	1,990	8,100	2,890	11,600	2,370	728	1,200	2,090
19		351	728	1,120	4,490	8,000	2,970	10,600	3,690	990	915	1,760
20		590	915	818	5,780	7,900	2,730	9,490	4,330	1,010	1,070	3,050
21		*438	915	795	6,050	5,690	2,440	7,900	3,850	*965	1,120	1,560
22		363	705	865	5,870	2,810	4,730	4,970	3,370	1,100	1,040	915
23		406	625	772	5,600	2,510	5,330	2,650	3,770	1,200	1,760	818
24		438	*772	1,440	3,930	2,300	5,330	1,950	6,320	890	1,820	1,120
25		422	940	1,380	3,210	1,820	4,330	1,820	7,220	890	1,500	1,560
26		351	818	1,410	5,060	1,950	4,170	1,560	7,700	1,100	1,820	1,380
27		357	795	*818	3,530	1,820	2,970	1,950	7,800	940	2,970	1,150
28		454	890	645	2,370	1,320	1,350	1,690	7,400	772	2,510	1,320
29		555	818	990	2,230	-	*2,020	1,560	6,590	840	1,820	865
30		487	705	1,380	1,950	-----	3,050	1,500	4,490	1,200	2,510	750
31		520	-----	1,440	1,200	-----	2,970	-----	2,160	-----	2,160	750
Total	14,542	20,662	32,928	98,050	140,680	82,120	130,930	91,540	25,526	45,258	42,138	37,913
Mean	469	669	1,062	3,163	5,024	2,649	4,364	2,955	851	1,460	1,359	1,264
Cfsm	0.107	0.157	0.241	0.719	1.14	0.602	0.992	0.671	0.193	0.332	0.309	0.287
In.	0.12	0.18	0.28	0.83	1.19	0.69	1.11	0.77	0.22	0.36	0.36	0.32

Calendar year 1954: Max 11,100 Min 351 Mean 1,974 Cfsm 0.449 In. 6.09
Water year 1954-55: Max 11,600 Min 351 Mean 2,088 Cfsm 0.475 In. 6.45

* Discharge measurement made on this day.

Rocky Creek near Dudley, Ga.

Location.--Lat 32°29', long 83°09', on downstream side of highway bridge, 3.2 miles upstream from Buckhorn Branch and 5 miles southeast of Dudley, Laurens County.

Drainage area.--62.9 sq mi.

Records available.--November 1951 to September 1955

Gage.--Water-stage recorder. Altitude of gage is 262 ft (by barometer).

Extremes.--Maximum discharge during year, 1,350 cfs Apr. 15 (gage height, 7.8 ft); minimum, 0.23 cfs Oct. 6 (gage height, 0.80 ft).

1951-55: Maximum discharge, 2,390 cfs May 7, 1953 (gage height, 9.4 ft); minimum, that of Oct. 6, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 15 to Feb. 7)

Oct. 1 to Apr. 14				Apr. 15 to Sept. 30			
0.8	0.23	2.4	92	0.9	1.3	1.4	17
.9	1.3	3.0	164	1.0	3.1	1.8	38
1.0	3.1	4.0	322	1.1	5.8	2.4	92
1.2	7.9	6.0	740				
1.5	19	7.0	1,040	Note.--Same as preceding table above 2.4 ft.			
1.8	37						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.76	4.2	7.1	7.4	12	29	13	22	4.9	4.9	18	26
2	.66	4.4	6.5	11	12	29	16	21	4.3	4.3	14	368
3	.66	4.9	5.5	9.1	12	28	28	18	4.1	3.8	11	110
4	.68	5.1	5.1	7.9	11	25	23	16	5.8	5.3	7.2	55
5	.56	6.1	5.3	7.4	11	24	18	15	5.6	2.9	12	36
6	.37	6.9	11	7.1	50	23	17	13	3.3	4.9	6.8	31
7	1.3	6.9	11	*7.1	151	23	50	12	*2.9	3.8	4.9	24
8	1.5	7.1	7.9	6.9	102	23	68	11	2.7	3.6	4.3	18
9	2.6	7.1	7.4	6.6	66	20	34	9.9	2.6	3.6	3.6	14
10	2.6	7.4	7.1	7.1	56	20	26	*8.5	2.4	7.6	2.6	12
11	2.2	7.4	6.9	9.1	58	21	43	7.8	2.4	133	2.7	11
12	2.2	8.2	6.6	8.8	53	21	48	7.2	3.3	39	2.6	10
13	2.0	9.1	8.8	7.6	43	20	50	6.5	2.7	*28	2.4	32
14	2.2	8.8	11	6.9	41	19	600	6.1	2.4	90	2.4	262
15	2.4	9.1	8.5	6.6	42	19	858	8.2	2.7	33	8.3	192
16	2.2	14	7.4	9.8	40	18	216	14	4.1	18	*12	88
17	1.8	12	6.9	13	*41	18	118	16	3.8	12	8.2	113
18	2.0	7.4	7.6	12	52	17	95	15	7.2	8.5	5.5	77
19	2.2	5.8	7.6	26	43	17	77	12	17	10	4.3	55
20	2.2	6.5	7.1	18	38	23	67	9.5	*11	13	3.8	45
21	2.2	5.6	6.9	14	36	25	61	26	8.2	13	3.3	35
22	2.4	5.3	6.9	13	35	21	59	28	6.1	30	4.1	29
23	2.6	5.8	6.6	14	34	19	51	21	4.9	20	9.9	25
24	2.4	*5.8	6.9	22	35	16	43	20	4.9	16	6.1	23
25	2.2	6.1	6.6	20	36	15	37	21	36	14	11	22
26	2.2	5.6	6.3	17	31	15	33	20	26	12	7.8	23
27	2.0	6.1	*6.3	15	29	13	30	14	15	12	6.8	23
28	2.2	12	6.6	14	29	13	29	9.9	10	9.9	5.2	23
29	2.7	11	6.9	14	-	*13	28	7.8	7.2	7.5	4.6	21
30	3.5	8.2	6.9	13	-----	13	24	6.5	5.5	17	3.3	*19
31	4.0	-----	6.9	12	-----	13	-----	5.5	-----	19	4.3	-----
Total	61.47	219.7	225.7	365.4	1,199	611	2,858	428.4	215.0	597.6	203.0	1,820
Mean	1.98	7.32	7.28	11.7	42.8	19.7	94.6	13.8	7.17	19.3	6.55	60.7
Cfsm	0.031	0.116	0.116	0.186	0.690	0.313	1.50	0.219	0.114	0.307	0.104	0.965
In.	0.04	0.13	0.13	0.21	0.71	0.36	1.67	0.25	0.13	0.35	0.12	1.08
Calendar year 1954: Max	230				Min 0.37	Mean 25.1	Cfsm 0.399	In. 5.42				
Water year 1954-55: Max	858				Min 0.37	Mean 24.1	Cfsm 0.383	In. 5.18				

Peak discharge (base, 550 cfs).--Apr. 15 (1 a.m.) 1,350 cfs (7.8 ft).

* Discharge measurement made on this day.

Oconee River near Mount Vernon, Ga.

Location--Lat 32°12', long 82°38', near left bank at downstream end of pier of bridge on U. S. Highway 280, a quarter of a mile downstream from Seaboard Air Line Railroad bridge, half a mile upstream from Flat Creek, 2 miles upstream from Okeewalkee Creek, 2 miles west of Mount Vernon, Montgomery County, and at mile 28.7

Drainage area--5,110 sq mi, approximately.

Records available--November 1937 to December 1955 (discontinued).

Gage--Water-stage recorder. Datum of gage is 103.34 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge--18 years, 4,977 cfs.

Extremes--1954-55: Maximum discharge during water year, 12,000 cfs Apr. 21 (gage height, 13.3 ft); minimum daily, 470 cfs Oct. 16, 21.

1955: Maximum discharge during period October to December, 2,820 cfs Oct. 3, Dec. 3 (gage height, 5.2 ft); minimum, 1,100 cfs Oct. 25.

1937-55: Maximum discharge, 66,300 cfs Dec. 5, 1948 (gage height, 22.6 ft); minimum daily, that of Oct. 16, 21, 1955.

Remarks--Records good except those prior to Dec. 31, 1954, and period of no gage-height record, which are fair. Flow regulated by Sinclair Reservoir (see p. 33).

Revisions (water years)--WSP 1112: 1942, 1944.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	645	550	870	1,540	2,080	2,180	*3,280	2,300	4,860	1,470	3,150	1,300
2	820	520	795	1,760	1,880	2,080	2,820	2,130	2,760	1,690	2,890	1,360
3	820	530	795	1,900	2,640	2,460	2,580	1,800	2,020	1,470	3,080	1,420
4	845	565	980	*2,280	3,020	2,640	2,400	1,690	1,580	1,500	3,150	1,580
5	720	555	1,090	2,280	2,890	2,700	2,020	1,690	1,350	1,150	3,020	1,910
6	670	590	1,090	2,820	3,080	2,640	2,240	1,960	1,200	1,050	2,760	2,080
7	620	670	925	3,340	3,080	2,400	3,410	2,130	1,200	1,100	2,240	1,960
8	670	770	1,140	3,900	3,410	2,020	3,900	2,180	1,050	1,120	1,860	1,800
9	670	795	1,420	3,900	4,910	2,910	4,120	2,900	920	1,150	1,640	1,690
10	610	645	*1,480	3,340	6,000	2,750	3,970	1,800	920	1,200	1,470	1,470
11	580	610	1,420	2,400	6,750	2,890	3,970	1,640	950	1,220	1,470	1,360
12	620	570	1,360	1,910	7,340	2,580	3,900	1,580	1,000	1,220	1,520	1,280
13	600	590	1,280	2,820	7,940	2,460	4,040	1,470	1,050	1,300	1,690	1,390
14	570	745	1,170	3,280	6,350	2,400	4,910	1,470	980	1,890	1,740	2,180
15	520	870	1,060	3,020	6,780	2,080	5,900	1,580	880	2,460	1,420	4,120
16	470	925	1,040	3,340	8,920	2,350	6,980	1,690	920	2,300	1,280	5,160
17	520	795	1,170	3,480	8,920	2,890	7,820	1,910	1,000	2,350	*1,220	4,680
18	560	745	1,680	2,640	8,780	3,210	8,780	1,910	980	2,520	1,580	4,580
19	520	720	1,360	2,350	8,640	3,280	10,300	2,460	1,100	2,020	2,300	*4,340
20	495	845	1,120	3,900	8,500	3,210	11,500	3,480	*1,400	1,520	2,240	3,820
21	470	925	1,090	4,910	8,220	3,210	11,800	4,200	1,420	1,420	2,820	3,280
22	670	980	1,040	5,340	8,000	2,820	11,100	4,200	1,470	1,470	2,460	2,950
23	720	960	1,280	5,520	5,900	4,120	9,750	3,970	1,520	1,470	1,640	2,580
24	620	770	1,540	5,610	4,400	4,820	6,750	3,970	1,640	1,910	1,300	2,350
25	570	720	1,600	5,000	3,410	5,080	3,900	5,080	1,420	2,300	1,740	2,350
26	500	695	1,680	4,040	2,820	4,740	3,220	5,800	1,280	2,080	2,180	2,240
27	530	695	1,680	4,740	2,760	4,420	2,700	6,310	1,390	2,300	2,080	2,020
28	520	820	1,280	4,420	2,460	3,760	2,760	6,750	1,420	3,150	1,740	1,860
29	520	925	1,010	3,340	-----	2,400	2,640	6,980	1,300	3,080	1,740	2,080
30	530	925	1,200	2,960	-----	2,240	2,400	6,980	1,250	2,840	1,470	2,080
31	570	-----	1,420	2,700	-----	3,080	-----	6,200	-----	3,080	1,250	-----
Total	18,765	22,040	38,005	104,800	153,590	91,830	155,870	99,710	41,970	56,200	62,140	73,260
Mean	605	735	1,228	3,381	5,485	2,982	5,196	3,216	1,399	1,813	2,005	2,442
Cfs/m	0.118	0.144	0.240	0.662	1.07	0.580	1.02	0.629	0.274	0.355	0.392	0.478
In.	0.14	0.16	0.28	0.76	1.11	0.67	1.24	0.73	0.31	0.41	0.45	0.53

Calendar year 1954: Max 13,500 Min 470 Mean 2,420 Cfs/m 0.474 In. 6.44

Water year 1954-55: Max 11,800 Min 470 Mean 2,516 Cfs/m 0.492 In. 6.69

* Discharge measurement made on this day.

Note--Discharge computed principally from once-daily staff-gage readings prior to Dec. 31. No gage-height record June 5-20; discharge estimated on basis of weather records and records for station at Dublin.

Discharge, in cubic feet per second, 1955

Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.
1	2,080	1,580	2,300	9	2,130	1,250	1,640	17	1,220	*1,420	1,800	25	1,120	1,470	1,860
2	2,300	1,390	2,580	10	2,300	1,380	1,580	18	1,220	1,580	1,800	26	1,150	1,520	1,580
3	2,760	1,470	2,700	11	1,910	1,580	1,890	19	1,200	1,690	1,800	27	1,390	1,580	1,470
4	2,760	1,390	2,180	12	1,640	1,680	1,960	20	1,340	1,580	1,920	28	1,350	1,910	1,420
5	2,350	1,470	1,800	13	1,520	1,910	1,960	21	1,350	1,470	1,420	29	1,350	1,960	1,420
6	2,080	1,520	1,640	14	1,420	1,640	1,860	22	1,360	1,390	1,640	30	1,640	1,910	1,800
7	1,910	1,520	1,740	15	1,390	1,470	1,960	23	1,470	1,250	*1,800	31	1,690	-	2,350
8	1,960	1,420	1,690	16	1,300	1,360	2,020	24	1,250	1,220	1,800				
Total	51,900	46,140	56,760												
Mean	1,674	1,538	1,832												
Cubic feet per second per square mile	0.328	0.301	0.359												
Runoff in inches	0.38	0.34	0.41												

Calendar year 1955: Max 11,800 Min 860 Mean 2,724 Cfs/m 0.533 In. 7.24

* Discharge measurement made on this day.

Ochopee River near Reidsville, Ga.

Location.--Lat 32°04', long 82°11', on downstream side of left pier of Sheppard Bridge, half a mile downstream from Brazells Creek, 1½ miles downstream from Rocky Creek, 3½ miles west of Reidsville, Tattall County, 6 miles downstream from Pendleton Creek, and 14 miles upstream from mouth.

Drainage area.--1,110 sq mi, approximately.

Records available.--June 1903 to December 1907, May 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 73.8 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). June 1903 to Dec. 31, 1907, staff gage at same site at different datum. May 25, 1937, to Feb. 15, 1941, staff gage at same site and datum.

Average discharge.--22 years (1903-7, 1937-55), 907 cfs.

Extremes.--Maximum discharge during year, 4,160 cfs Apr. 20 (gage height, 12.6 ft); minimum daily, 20 cfs Oct. 4, 5, 9-14, 17-28.

1903-7, 1937-55: Maximum discharge observed, 15,100 cfs Mar. 3, 1939 (gage height, 19.8 ft); minimum daily, 19 cfs Sept. 12, 13, 1954.

Maximum stage known, 28.4 ft in January 1925, from information furnished by Georgia State Highway Department.

Remarks.--Records good.

Revisions (water years).--WSP 822: Drainage area. WSP 892: 1939(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.67	20	6.0	1,060
1.0	42	10.0	2,490
1.5	88	12.0	3,640
2.5	231	13.0	4,520
4.0	530		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	22	41	62	266	552	204	700	222	90	442	222
2	25	22	41	61	257	530	188	656	193	81	475	231
3	22	22	43	61	248	508	172	564	168	70	564	340
4	20	23	43	61	240	486	177	497	144	63	674	519
5	20	24	47	*56	222	475	214	432	125	63	*636	648
6	21	24	66	57	231	453	275	360	109	74	552	752
7	24	25	65	56	302	421	360	312	97	64	453	804
8	22	26	60	58	390	390	421	275	87	56	350	804
9	20	26	62	62	464	370	432	231	80	54	293	700
10	20	26	63	64	486	350	432	204	74	51	284	519
11	20	26	62	68	576	330	530	*180	75	48	275	390
12	20	26	61	68	726	312	752	162	71	*47	240	340
13	20	27	74	65	860	312	1,030	143	66	52	206	360
14	20	28	85	65	1,000	293	1,670	129	62	89	176	588
15	23	30	86	86	*1,030	266	2,160	127	60	110	171	1,240
16	22	32	85	74	1,060	248	2,690	115	58	144	152	1,770
17	20	32	82	86	1,060	240	3,110	109	56	174	128	2,160
18	20	33	81	96	1,060	231	3,050	120	54	169	116	2,400
19	20	34	81	144	1,030	222	3,350	128	54	145	109	2,640
20	20	36	81	158	972	214	4,070	132	57	154	95	*3,170
21	20	38	79	166	916	208	*3,640	140	65	201	84	3,170
22	20	a38	76	158	860	204	2,890	151	*67	222	92	2,790
23	20	a40	75	156	804	204	2,320	209	68	231	108	2,280
24	20	a41	74	214	726	214	1,960	204	69	240	147	1,650
25	20	a39	72	248	674	231	1,600	293	81	275	214	1,430
26	20	a37	71	266	648	248	1,300	321	90	248	410	1,150
27	20	a38	71	257	624	257	1,120	350	111	284	752	916
28	20	a40	70	257	576	248	944	360	130	370	700	832
29	22	a40	69	275	-	231	832	330	112	410	541	778
30	21	a41	66	284	-----	214	752	302	99	340	410	752
31	21	-----	63	284	-----	208	-----	257	-----	370	293	-----
Total	645	936	2,095	4,053	18,308	9,670	42,645	8,473	2,804	4,989	10,140	36,545
Mean	20.8	31.2	67.6	131	654	312	1,422	273	93.5	161	327	1,218
Cfsm	0.019	0.028	0.061	0.118	0.589	0.281	1.28	0.246	0.084	0.145	0.295	1.10
In.	0.02	0.03	0.07	0.14	0.61	0.32	1.43	0.28	0.09	0.17	0.34	1.23

Calendar year 1954: Max 3,840 Min 19 Mean 369 Cfsm 0.332 In. 4.50
 Water year 1954-55: Max 4,070 Min 20 Mean 387 Cfsm 0.349 In. 4.73

* Discharge measurement made on this day.
 a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Altamaha River at Doctortown, Ga.

Location.--Lat 31°39', long 81°50', on right bank 60 ft downstream from Atlantic Coast Line Railroad bridge at Doctortown, Wayne County, 4½ miles northeast of Jesup, and at mile 59.4

Drainage area.--13,600 sq mi, approximately.

Records available.--October 1931 to September 1955. Gage-height records collected at same site since 1925 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 28.48 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Dec. 5, 1934, staff gage at same site and datum.

Average discharge.--24 years, 12,640 cfs.

Extremes.--Maximum discharge during year, 22,400 cfs Apr. 26 (gage height, 6.2 ft); minimum, 1,430 cfs Oct. 27, 28, Nov. 1.
1931-55: Maximum discharge, 178,000 cfs Apr. 18, 1936 (gage height, 12.03 ft); minimum, that of Oct. 27, 28, Nov. 1, 1954.
Maximum stage known, 14.6 ft Jan. 23, 1925 (discharge, 300,000 cfs, from rating curve extended above 180,000 cfs).

Remarks.--Records good except those prior to Dec. 5 and those above 10,000 cfs, which are fair.

Revisions.--WSP 822: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to June 2 June 3 to Sept. 30

-3.6	1,390	5.0	13,100	-1.9	3,000	5.0	13,100
0	4,360	6.0	20,500	2.0	6,690	6.0	20,500
3.0	8,070	7.0	31,400	4.0	9,800		
4.0	9,800						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a2,100	1,430	2,110	2,750	8,560	11,000	7,040	14,300	9,080	3,360	6,380	5,120
2	a2,200	1,470	2,110	2,750	8,230	9,800	7,040	13,100	9,440	3,360	6,580	4,850
3	a2,300	1,510	2,110	2,910	7,760	8,560	7,320	11,400	9,440	3,360	7,060	4,780
4	a2,300	1,510	2,110	3,070	7,320	7,480	7,320	9,800	8,900	3,450	7,460	4,850
5	a2,200	1,510	2,110	3,230	7,180	7,180	7,040	8,070	7,610	3,450	7,610	5,120
6	a2,200	1,470	2,190	3,310	7,040	6,910	6,780	6,780	6,360	3,450	7,760	5,680
7	a2,100	a1,550	2,270	3,470	7,180	6,910	*6,520	5,920	5,480	3,360	7,610	6,080
8	a2,000	a1,550	2,350	3,820	7,180	6,780	6,400	5,560	4,850	3,270	7,190	6,580
9	a1,900	1,590	2,350	4,450	7,460	6,650	6,650	5,320	4,300	3,090	6,690	6,810
10	a1,800	1,670	2,350	5,090	7,760	6,520	7,180	5,090	4,000	3,000	6,180	6,580
11	a1,800	1,670	2,350	5,680	8,390	6,280	7,760	4,980	3,720	3,090	5,680	6,180
12	a1,800	1,670	2,590	5,920	8,900	6,280	8,230	4,760	3,450	3,270	5,300	5,390
13	*1,710	1,670	2,830	5,680	9,440	6,400	8,900	4,360	3,270	3,630	5,030	4,940
14	1,710	1,670	2,990	5,200	10,000	6,280	9,800	4,000	3,180	3,630	4,760	*4,850
15	1,710	1,670	3,070	5,090	10,700	6,160	10,700	3,820	3,180	3,810	4,580	5,390
16	1,630	1,710	2,990	5,440	11,400	6,160	12,100	3,820	3,090	3,900	4,480	7,460
17	1,630	1,910	2,910	5,440	12,100	5,920	13,700	*3,620	3,090	4,300	4,490	9,280
18	1,550	1,990	2,630	5,680	13,100	5,800	15,000	4,000	3,000	4,870	4,300	10,700
19	1,550	1,950	2,990	6,180	15,700	5,800	15,700	4,180	3,000	4,850	4,100	12,600
20	1,550	1,910	3,070	6,160	14,300	6,040	17,200	4,270	3,090	5,030	4,100	15,000
21	1,550	1,910	3,070	6,040	15,000	6,160	18,000	4,450	3,000	4,850	4,300	18,000
22	1,470	1,950	2,990	6,400	15,000	6,280	18,800	4,980	3,000	4,670	4,400	18,800
23	1,470	1,950	2,990	7,180	15,700	6,400	20,500	5,680	3,180	4,490	4,580	18,800
24	1,510	2,030	2,830	8,070	15,700	6,400	20,500	6,040	3,270	4,400	*4,760	17,200
25	1,550	2,110	2,750	8,560	15,700	6,650	21,400	6,280	3,560	4,300	4,580	14,300
26	1,590	2,110	2,910	8,900	15,700	7,180	21,400	6,280	3,540	4,400	4,300	12,100
27	1,430	2,030	2,990	9,260	15,000	7,760	21,400	6,650	3,540	4,760	4,400	10,000
28	1,430	2,110	3,070	9,260	13,100	8,070	20,500	7,180	3,450	5,120	4,850	9,080
29	1,510	2,190	3,070	9,080	-	8,230	18,000	7,760	3,450	5,210	5,390	8,070
30	1,470	2,190	3,070	9,080	-----	8,230	16,400	8,230	*3,450	5,780	5,480	7,320
31	1,470	-----	2,910	8,900	-----	7,760	-----	8,730	-----	6,180	5,390	-----
Total	54,190	53,660	83,330	182,030	308,600	218,010	385,280	199,610	134,790	127,490	169,780	271,870
Mean	1,748	1,789	2,688	5,872	11,020	7,033	12,840	6,439	4,493	4,113	5,477	9,082
Cfsm	0.129	0.132	0.198	0.432	0.810	0.517	0.944	0.473	0.330	0.302	0.403	0.666
In.	0.15	0.15	0.23	0.50	0.84	0.60	1.05	0.55	0.37	0.35	0.46	0.74
Calendar year 1954: Max	39,600											
Water year 1954-55: Max	21,400											
Min	1,430											
Mean	1,430											
Cfsm	0.495											
In.	6.73											

* Discharge measurement on this day.

a No gage-height record; discharge estimated on basis of weather records and records for stations on nearby streams.

Note.--Discharge computed from once-daily staff-gage readings Oct. 13 to Nov. 6, Nov. 9 to Dec. 5.

Satilla River near Waycross, Ga.

Location--Lat 31°14', long 82°19', on downstream side of bridge pier near center of span on State Route 38, 3 miles northeast of Waycross, Ware County, and 16 miles upstream from Alabama River.

Drainage area--1,300 sq mi, approximately.

Records available--March 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 66.43 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Nov. 22, 1952, staff gage at site 300 ft downstream at same datum.

Average discharge--18 years, 872 cfs.

Extremes--Maximum discharge during year, 2,220 cfs Sept. 14 (gage height, 11.6 ft); minimum, 6.0 cfs Nov. 3, 4.

1937-55: Maximum discharge, 39,000 cfs Apr. 4, 1948 (gage height, 22.4 ft, from floodmark); minimum, that of Nov. 3, 4, 1954.

Flood in September 1928 reached a stage of 22.2 ft, from information by Atlantic Coast Line Railroad (discharge, 37,000 cfs).

Remarks--Records good except those for periods of no gage-height record, which are fair. Prior to October 1947, natural flow of stream was not affected by diversion which was made by Atlantic Coast Line Railroad from pool at gage for use in shops. October 1947 to September 1953 flow affected by diversion (probably less than 4 cfs) made by Atlantic Coast Line Railroad.

Revisions (water years)--WSP 952: 1939.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 27 to May 14, May 18-21, May 31 to July 16, July 19-26, Aug. 10-27, Sept. 1)

2.5	6.2	5.0	238
2.7	12	6.0	402
3.0	27	7.0	610
3.5	64	10.0	1,540
4.0	111	12.0	2,420

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.8	6.2	12	13	125	176	47	134	70	18	340	132
2	9.1	6.2	12	13	113	169	47	114	54	18	*430	151
3	9.1	6.2	12	13	104	163	49	100	45	18	500	182
4	8.6	6.2	12	12	95	151	*47	87	39	17	563	223
5	8.5	6.5	12	12	87	145	47	80	35	16	490	460
6	8.2	6.8	69	12	82	134	47	73	31	41	375	750
7	8.2	7.1	25	12	118	125	47	68	25	19	268	520
8	7.9	7.1	18	12	223	116	46	62	26	16	202	375
9	7.9	7.1	17	12	412	109	44	56	21	18	157	300
10	7.9	7.1	16	12	450	102	43	51	21	18	*151	292
11	7.9	7.4	15	13	402	97	48	48	21	*18	108	349
12	7.6	7.4	15	13	358	93	70	46	21	18	90	366
13	7.6	7.6	18	12	324	88	169	*42	19	20	79	*1,020
14	7.6	8.5	21	12	284	86	209	45	17	41	71	2,180
15	7.6	9.4	19	12	268	81	366	a65	17	67	74	2,000
16	7.6	10	18	14	300	78	520	a165	18	126	68	1,700
17	7.4	11	17	20	349	75	610	a110	18	202	71	1,660
18	7.1	11	18	36	366	72	691	78	19	169	68	1,660
19	*7.1	10	17	92	349	68	870	73	19	125	65	1,620
20	6.8	11	17	66	316	66	*1,110	67	18	98	75	1,300
21	6.8	11	*16	76	284	63	1,300	63	18	91	96	1,260
22	6.8	11	16	93	260	62	1,400	a70	17	105	88	1,080
23	6.8	11	15	109	246	60	1,260	a165	16	92	*80	960
24	6.8	12	15	195	*230	60	960	a175	16	79	71	840
25	6.5	12	15	216	216	60	635	a125	17	78	90	691
26	6.5	12	15	253	202	60	430	a110	18	106	90	563
27	6.5	11	16	253	195	56	308	a85	17	157	130	480
28	6.5	11	15	223	188	54	238	a85	23	176	157	402
29	7.1	12	15	195	-	53	195	a115	*21	195	176	358
30	6.5	11	14	169	-----	52	157	a110	19	276	176	316
31	6.5	-----	13	144	-----	49	-----	88	-----	316	151	-----
Total	235.0	273.8	545	2,339	6,944	2,823	12,008	2,755	736	2,754	5,550	24,190
Mean	7.52	9.13	17.6	75.5	249	91.1	400	88.9	24.5	88.8	179	806
Cfsm	0.0058	0.0070	0.014	0.056	0.191	0.070	0.308	0.068	0.019	0.068	0.138	0.620
In.	0.007	0.008	0.02	0.07	0.20	0.08	0.34	0.08	0.02	0.08	0.16	0.69
Calendar year 1954: Max	3,540			Min 6.2		Mean 232		Cfsm 0.178	In. 2.42			
Water year 1954-55: Max	2,180			Min 6.2		Mean 168		Cfsm 0.129	In. 1.76			

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Hurricane Creek near Alma, Ga.

Location.--Lat 31°34', long 82°28', near center of span on downstream side of highway bridge on U. S. Highway 1, 1½ miles north of Alma, Bacon County, and 11 miles upstream from Ten Mile Creek.

Drainage area.--150 sq mi, approximately.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 136.44 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Extremes.--Maximum discharge during year, 460 cfs Apr. 16 (gage height, 4.95 ft); no flow at times.

1951-55: Maximum discharge, 4,450 cfs Sept. 29, 1953 (gage height, 9.4 ft); no flow at times each year.

Remarks.--Records fair except those for period of no gage-height record, which are poor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 17-23, Apr. 5-13)

2.1	0	2.8	13
2.2	.1	3.0	29
2.3	.6	3.4	75
2.4	1.3	4.0	178
2.5	2.6	4.5	305
2.6	4.9	5.0	480
2.7	8.3		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0		0.7	1.1	37	35	1.9	4.9		0	4.4	0.3
2	6.0		.8	1.1	35	34	1.7	3.4		0	4.4	.4
3	4.0		.8	1.0	33	31	1.9	2.3		0	2.3	.5
4	2.0	(*)	.7	1.0	30	28	1.9	1.6		0	1.6	.5
5	1.5		.7	1.0	27	26	36	1.2		0	*1.2	.6
6	1.0		7.9	.9	30	24	75	.9		0	.8	10
7	.8		7.9	.9	*112	21	72	.6		0	.8	15
8	.6		4.4	.9	143	18	*81	.4	(*)	0	.5	17
9	.5		2.8	.9	148	16	74	.2		0	.3	15
10	.4		2.4	.9	164	14	74	.1		0	.1	9.5
11	.3		1.9	.9	193	12	74	0		0	0	7.9
12	.3		1.5	.8	207	11	90	0		0	0	25
13	.2		4.1	.8	176	9.5	139	*0		3.3	0	7.9
14	.2		7.9	*.8	130	8.3	249	0		26	0	162
15	.1		4.9	.8	95	7.5	*362	.1		10	3.8	162
16	0		2.8	1.6	81	7.1	445	.2		3.8	18	147
17	0		2.3	5.5	72	6.1	408	1.0		1.7	12	166
18	0		2.0	7.9	68	5.2	330	2.4		1.0	4.4	214
19	0		2.0	*41	65	4.4	279	1.7		.6	2.0	244
20	0		1.7	33	61	4.1	236	1.1		2.6	1.0	268
21	0		1.5	34	57	4.1	170	1.9		1.9	3.0	271
22	0		1.4	36	55	4.1	*98	2.0		1.0	8.3	224
23	0		1.4	37	51	4.1	65	1.9		1.0	8.3	180
24	0		1.3	85	48	3.4	48	1.4		1.2	32	98
25	0		1.3	81	44	3.0	35	1.0		.9	20	62
26	0		1.2	72	41	2.4	25	.7		.9	10	43
27	0		1.1	67	39	2.0	19	.4		.8	4.9	38
28	0		1.1	62	38	1.7	13	.2		.6	2.4	31
29	0		1.1	56	-	1.9	9.5	.1		.5	1.3	25
30	0		1.1	48	-	1.9	6.7	0	(*)	.4	.8	33
31	0		1.1	42	-	1.9	-	0		1.0	.6	-
Total	25.9	0	73.8	722.8	2,280	352.7	3,520.6	31.7	0	59.2	149.2	2,458.8
Mean	0.835	0	2.38	23.3	81.4	11.4	117	1.02	0	1.91	4.81	82.0
Cfsm	0.0056	0	0.016	0.155	0.543	0.076	0.780	0.0068	0	0.013	0.032	0.547
In.	0.006	0	0.02	0.18	0.57	0.09	0.87	0.008	0	0.02	0.04	0.61

Calendar year 1954: Max 550 Min 0 Mean 31.7 Cfsm 0.211 In. 2.87
Water year 1954-55: Max 445 Min 0 Mean 26.5 Cfsm 0.177 In. 2.41

Peak discharge (base, 450 cfs).--Apr. 16 (3 p.m.) 460 cfs (4.95 ft).

* Discharge measurement or observation of no flow made on this day.

Note.--No gage-height record Oct. 1 to Nov. 30; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Little Satilla River near Offerman, Ga.

Location.--Lat 31°27', long 82°03', at right bank pier of steel truss span of Atlantic Coast Line Railroad bridge, 1,500 ft downstream from bridge on State Highway 38, 4 miles northeast of Offerman, Pierce County, and 16 miles upstream from mouth.

Drainage area.--646 sq mi.

Records available.--January 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 59.00 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Nov. 8, 1952, at site 1,500 ft upstream at same datum.

Extremes.--Maximum discharge during year, 1,180 cfs Apr. 17, 18 (gage height, 7.6 ft); no flow Oct. 10 to Nov. 14.
1951-55: Maximum discharge, 17,200 cfs Sept. 29, 1953 (gage height, 13.5 ft); no flow Oct. 10 to Nov. 14, 1954.

Remarks.--Records good except those May 7-15, June 1-20, 25, 26, July 7, 8, Aug. 21-24, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 25				Jan. 26 to July 25				July 26 to Sept. 30			
-0.3	0	0.6	9.6	-0.1	1.9	4.0	250	0.2	4.5	1.5	52
-.2	.20	1.0	21	0	3.1	5.0	380	.5	10	3.0	159
-.1	.54	1.5	44	.3	8.8	6.0	575	.8	19	4.0	250
0	1.2	2.0	76	.7	20	7.0	870	1.0	27		
.2	3.1	4.0	250	1.3	46		1,450				
.4	5.8	5.0	380	2.0	91						

Note.--Same as preceding table above 4.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.14	0	0.3	1.2	174	108	26	35	7.1	19	76	8.1
2	.12	0	.3	1.2	162	105	26	28	5.3	69	80	62
3	.12	0	.3	1.2	154	98	34	21	4.4	83	*74	98
4	.10	0	.3	1.2	142	94	33	16	3.9	44	62	69
5	.10	0	.3	1.1	130	91	32	13	3.4	23	40	69
6	.08	0	1.8	1.2	122	94	31	10	3.1	14	38	65
7	.06	0	.8	1.1	245	78	30	8.0	3.0	8.6	37	88
8	.04	0	.5	1.1	430	70	*30	6.5	2.7	6.7	20	127
9	.02	0	.5	1.0	575	65	31	5.5	2.4	19	12	112
10	0	0	.4	1.0	600	62	34	4.7	2.7	130	25	102
11	0	0	.4	1.1	510	58	48	4.2	3.6	91	38	105
12	0	0	.4	1.0	410	56	94	4.1	2.8	63	29	91
13	0	0	.8	*1.2	350	53	122	4.2	2.4	62	22	168
14	0	0	.9	1.2	320	50	223	4.2	2.2	57	14	*700
15	0	.12	1.0	1.2	280	47	380	9.2	2.2	51	19	960
16	0	.16	1.1	2.4	260	45	730	78	2.2	50	26	1,010
17	0	.28	1.2	6.9	250	42	1,120	223	2.2	38	24	960
18	0	.28	1.3	14	228	40	1,180	250	3.2	30	21	870
19	0	.28	1.3	82	206	36	960	174	3.6	22	16	830
20	0	.28	1.2	130	188	33	790	108	8.4	29	15	830
21	0	.28	1.1	138	174	32	650	102	19	20	8.7	790
22	0	.28	1.0	114	162	35	550	150	19	34	4.8	730
23	0	.45	1.0	114	154	35	430	134	12	60	4.7	675
24	0	.31	1.0	201	*146	34	290	105	12	75	7.4	625
25	*0	.28	1.0	280	134	33	206	88	8.2	125	16	490
26	0	.28	1.2	320	126	32	146	80	7.5	208	25	380
27	0	.26	1.3	280	119	28	105	60	23	151	35	290
28	0	.41	1.3	228	116	26	79	59	44	127	43	231
29	0	.37	1.4	210	---	25	61	26	54	79	29	200
30	0	.34	1.4	198	---	28	46	16	*21	66	19	177
31	0	---	1.2	186	---	27	---	10	---	77	13	---
Total	0.78	4.66	28.0	2,521.3	6,865	1,654	8,517	1,816.6	270.5	1,931.3	893.6	11,912.1
Mean	0.025	0.155	0.903	81.3	245	53.4	284	58.6	9.02	62.3	28.8	397
Cfsm	0.000039	0.00024	0.0014	0.126	0.379	0.083	0.440	0.091	0.014	0.096	0.045	0.615
In.	0.00004	0.0003	0.002	0.05	0.39	0.10	0.49	0.10	0.02	0.11	0.05	0.69

Calendar year 1954: Max 1,530 Min 0 Mean 103 Cfsm 0.159 In. 2.18
Water year 1954-55: Max 1,180 Min 0 Mean 99.8 Cfsm 0.154 In. 2.10

* Discharge measurement or observation of no flow made on this day.

SATILLA RIVER BASIN

Satilla River at Atkinson, Ga.

Location.--Lat 31°13', long 81°52', on downstream side of right pier of bridge on U. S. Highway 84, 400 ft downstream from Atlantic Coast Line Railroad bridge and 1 mile west of Atkinson, Brantley County.

Drainage area.--2,880 sq mi, approximately.

Records available.--October 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 14.79 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Dec. 5, 1933, staff gage at same site and datum.

Average discharge.--24 years, 1,993 cfs.

Extremes.--Maximum discharge during year, 3,900 cfs Sept. 21 (gage height, 11.8 ft); minimum, 21 cfs Nov. 2-5, 7-13.

1931-55: Maximum discharge, 68,100 cfs Apr. 6, 1948 (gage height, 23.9 ft); minimum observed, 4.5 cfs Nov. 19, 20, 1931

Maximum stage known, 27.2 ft in September 1928, from information by local residents, (discharge, 110,000 cfs).

Remarks.--Records good.

Revisions.--WSP 822: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 13

Feb. 14 to Sept. 30

1.9	18	4.0	277	2.4	69	7.0	1,120
2.0	22	5.0	507	3.0	146	10.0	2,450
2.3	39	7.0	1,120	4.0	306	12.0	4,120
3.0	118			5.0	520		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	22	29	47	606	482	140	740	315	84	390	237
2	35	21	29	46	562	458	139	570	271	84	420	246
3	34	21	28	43	520	432	136	456	228	79	*420	280
4	32	21	26	43	468	410	*133	361	198	79	432	315
5	31	21	26	44	430	390	131	343	175	95	445	458
6	30	22	30	43	406	361	132	297	159	96	482	608
7	28	21	33	43	406	362	133	262	146	81	508	950
8	27	21	37	42	418	343	129	237	136	100	520	920
9	27	21	41	43	507	324	125	221	125	190	495	1,020
10	26	21	48	43	680	315	124	205	114	163	445	1,090
11	26	21	53	43	830	297	135	190	113	136	400	1,120
12	26	21	58	*41	980	268	164	175	106	246	362	1,050
13	25	21	59	41	1,050	271	172	162	101	246	362	*1,050
14	26	22	62	40	1,090	254	237	152	96	221	372	1,160
15	26	24	60	40	1,050	246	362	152	92	205	324	1,370
16	25	26	58	41	1,020	237	545	*156	87	213	288	1,650
17	24	26	59	43	960	229	770	149	85	213	271	2,020
18	24	27	64	48	920	213	950	190	84	198	254	2,570
19	*23	26	66	69	890	205	1,160	343	90	182	237	3,240
20	24	27	61	84	860	198	1,300	420	84	182	213	3,700
21	23	28	58	100	*830	190	1,450	390	79	190	198	3,800
22	23	28	59	180	800	190	1,570	362	76	190	175	3,700
23	23	30	58	268	740	182	1,650	390	76	190	*174	3,510
24	23	30	54	326	680	170	1,700	381	78	237	175	3,240
25	22	30	52	562	620	164	1,740	362	74	315	205	3,980
26	22	29	51	468	582	157	1,700	343	80	297	246	2,850
27	22	29	51	606	545	152	1,610	324	97	315	262	2,570
28	22	29	50	695	508	147	1,490	315	81	343	254	2,330
29	23	30	49	725	-	149	1,230	306	*76	334	237	2,070
30	23	30	48	695	-----	147	950	315	73	362	237	1,740
31	22	-----	49	665	-----	142	-----	334	-----	390	237	-----
Total	804	748	1,510	6,037	19,978	8,125	22,209	9,625	3,596	6,256	10,040	53,944
Mean	25.9	24.9	48.7	195	714	262	740	310	120	202	324	1,798
Cfs/m	0.0090	0.0086	0.017	0.068	0.248	0.091	0.257	0.108	0.042	0.070	0.112	0.624
In.	0.01	0.01	0.02	0.08	0.26	0.10	0.29	0.12	0.05	0.08	0.13	0.70
Calendar year 1954: Max			6,220	Min	21	Mean	589	Cfs/m	0.205	In.	2.78	
Water year 1954-55: Max			3,800	Min	21	Mean	391	Cfs/m	0.136	In.	1.85	

* Discharge measurement made on this day.

Note.--Discharge computed from twice-daily staff-gage readings Nov. 14-19, Dec. 6-8, 11, 13-25, Dec. 28 to Jan. 7, Mar. 12 to Apr. 4, May 8-17, June 3-12, July 9-11.

North Prong St. Marys River at Moniac, Ga.

Location.--Lat 30°31', long 82°14', in sec. 8, T. 1 N., R. 21 E., near right bank at upstream side of bridge on State Highway 94, 950 ft upstream from Georgia Southern & Florida Railway bridge, 0.5 mile west of Moniac, and 1.0 mile downstream from Moccasin Creek.

Drainage area.--About 160 sq mi, includes part of watershed in Okefenokee Swamp which is indeterminate.

Records available.--January 1921 to December 1923 (published as St. Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 89.40 ft above mean sea level, datum of 1929. January 1921 to June 1934, staff gage at site 800 ft downstream at datum 3.22 ft higher. Oct. 1 to Dec. 13, 1950, wire-weight gage at present site and datum.

Average discharge.--10 years (1921-23, 1927-29, 1932-33, 1950-55), 149 cfs.

Extremes.--Maximum discharge during year, 443 cfs Sept. 8 (gage height, 9.79 ft); no flow for many days.

1921-23, 1927-30, 1932-34, 1950-55: Maximum discharge, about 6,060 cfs, probably Sept. 19, 1928 (gage height, 19.9 ft, present datum at site then in use), from rating curve extended above 2,000 cfs; no flow at times.

Remarks.--Records poor prior to Feb. 13 and fair thereafter.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 17

Jan. 18 to Sept. 30

4.40	0	4.19	0	4.5	0.8	7.0	92
4.52	.1	4.2	.1	4.6	1.5	8.0	161
4.6	.9	4.3	.2	5.0	13	9.0	303
4.62	1.5	4.4	.5	6.0	44	10.0	490

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0		0	0.1	0.7	0.7	0.4	0.1	0.2	0.2	41	68
2	0		0	.1	.7	.7	.5	.1	.2	.2	*68	54
3	0		0	*.1	.7	.6	.6	.1	.2	.2	68	47
4	0		0	.1	.7	.6	*.6	.1	.1	.2	55	41
5	0		0	.1	.7	.6	.5	.1	.1	.1	44	44
6	0		0	.2	.7	.5	.4	.1	0	.1	35	68
7	0		0	.2	3.6	.5	.7	.1	0	.1	30	310
8	0	.1	0	.2	6.3	.4	.5	0	0	0	24	386
9	0		0	.2	4.5	.4	.4	0	0	0	19	213
10	0		0	.2	3.0	.4	.4	0	0	0	16	122
11	0		0	.2	7.8	.4	.4	0	0	0	12	106
12	*0		0	.2	6.3	.3	.5	0	0	0	7.8	117
13	0		0	.2	4.8	.3	.7	0	0	0	5.4	161
14	0		.1	.1	3.6	.3	4.4	0	0	0	11	317
15	0		.1	.1	*2.7	.3	6.0	0	0	0	20	*283
16	0		.1	.3	1.9	.3	2.4	.1	0	0	32	198
17	0		.1	1.5	1.8	.3	1.2	*.3	0	.1	37	159
18	0		.2	2.2	1.8	.3	.9	.6	0	.1	32	136
19	0		.2	.8	1.6	.3	.7	.7	0	.1	23	115
20	0		.1	.7	1.5	.3	.5	.6	0	0	16	100
21	0		.1	.7	1.3	.3	.4	.6	*0	0	11	82
22	0	(*)	.1	.8	1.2	.3	.3	.5	0	0	7.8	68
23	0		.1	2.8	1.1	.3	.2	.5	0	0	5.7	57
24	0		.1	3.9	1.0	.3	.2	.5	0	0	20	49
25	0		.1	1.8	.9	.3	.2	.5	0	0	53	45
26	0		0	1.0	.9	.3	.2	.4	0	.2	105	41
27	0		0	.8	.8	.2	.2	.3	.1	.3	317	38
28	0		.1	.7	.8	.4	.1	.2	.3	.3	429	36
29	0		.1	.7	-	.5	.1	.2	.2	10	351	37
30	0		.1	.8	-	.5	.1	.2	.2	28	193	36
31	0		.1	.7	-	.4	-	.2	.2	34	108	-
Total	0.1	0	3.9	22.5	65.4	12.3	24.7	7.1	1.6	74.2	2,196.7	3,534
Mean	0.003	0	0.13	0.73	2.26	0.40	0.82	0.23	0.05	2.39	70.9	118
Cfsm	0.000019	0	0.00081	0.0046	0.014	0.0025	0.0051	0.0014	0.00031	0.015	0.44	0.74
In.	0.00002	0	0.0009	0.005	0.01	0.003	0.006	0.002	0.0004	0.02	0.51	0.82

Calendar year 1954: Max 752 Min 0 Mean 29.1 Cfsm 0.182 In. 2.46
 Water year 1954-55: Max 429 Min 0 Mean 16.3 Cfsm 0.102 In. 1.38

* Discharge measurement or observation of no flow made on this day.

South Prong St. Marys River at Glen St. Mary, Fla.

Location.--Lat 30°16'40", long 82°08'40", in sec. 31, T. 2 S., R. 22 E., on right bank 65 ft upstream from bridge on U. S. Highway 90 and 1.0 mile east of Glen St. Mary.

Drainage area.--150 sq mi, approximately.

Records available.--January 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 77.13 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 81.9 cfs.

Extremes.--Maximum discharge during year, 454 cfs July 18 (gage height, 6.64 ft); minimum, 1.1 cfs June 15 (gage height, 1.52 ft).

1950-55: Maximum discharge, 6,200 cfs Sept. 7, 1950 (gage height, 12.71 ft); minimum, 0.4 cfs May 23, 1950 (gage height, 1.52 ft).

Flood in September 1947 reached a stage of 13.0 ft, from information furnished by Florida State Road Department (discharge, 6,700 cfs).

Remarks.--Records fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 2-5)

Oct. 1-10, Sept. 15-30				Oct. 11 to Sept. 14			
1.7	5.4	5.0	254	1.5	1.0	2.0	27
2.0	23	6.0	363	1.6	1.8	2.5	62
3.0	92	7.0	510	1.7	2.9	3.0	92
4.0	167			1.8	5.8		

Note.--Same as preceding table above 3.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	2.5	3.7	4.2	28	12	8.4	3.2	2.0	2.4	46	4.2
2	20	2.4	3.7	4.2	25	11	5.8	3.0	1.9	2.1	38	28
3	20	2.4	4.2	4.5	22	10	7.6	2.9	1.8	1.9	*33	23
4	17	2.4	4.2	5.8	20	8.4	*6.7	5.2	1.7	1.8	35	17
5	14	2.6	3.7	5.1	17	8.4	5.8	3.0	1.6	1.6	30	16
6	12	2.6	10	4.5	16	7.6	5.8	2.9	1.5	1.6	24	26
7	9.6	2.8	13	4.5	39	7.6	5.8	2.9	1.5	1.7	18	13
8	17	2.8	7.6	4.5	79	7.6	7.6	2.8	1.6	1.8	12	11
9	26	2.8	5.8	4.5	84	6.7	7.6	2.8	1.5	4.3	6.7	10
10	20	2.8	6.7	4.5	70	6.7	6.7	2.6	1.5	39	8.4	5.8
11	*19	2.6	6.7	4.5	68	5.8	5.8	2.6	1.6	57	6.7	8.4
12	14	2.8	5.8	4.2	72	5.8	5.1	2.6	1.8	110	3.5	13
13	8.4	2.9	11	4.2	80	5.8	5.8	2.5	1.6	122	3.2	44
14	5.1	3.0	31	4.2	54	4.5	11	2.5	1.4	189	3.2	272
15	6.7	3.9	19	3.9	*48	4.5	18	3.2	1.3	261	21	316
16	3.9	4.5	13	3.9	44	4.5	13	5.1	1.6	33	57	*285
17	3.3	3.9	8.4	5.1	38	4.5	10	*4.2	1.8	432	43	237
18	3.0	3.9	7.6	11	34	5.1	7.6	3.5	1.7	444	56	183
19	2.8	3.9	8.4	19	31	4.2	6.7	3.3	1.6	376	30	153
20	2.4	3.9	7.6	16	29	3.9	5.1	3.5	1.5	289	19	121
21	2.3	3.9	5.8	10	26	4.5	4.5	3.3	1.4	201	10	100
22	2.2	*3.9	5.8	7.6	24	7.6	5.1	3.3	*1.3	139	4.2	84
23	2.1	*4.2	5.1	21	21	5.1	4.2	3.5	1.4	88	3.0	70
24	2.0	4.2	4.5	72	19	4.5	3.9	3.3	1.6	63	2.6	59
25	2.0	4.2	4.5	68	17	4.5	3.7	3.2	2.0	71	3.5	48
26	2.0	3.9	4.5	60	16	4.5	3.7	2.8	2.3	81	3.9	40
27	2.0	3.7	4.5	56	14	3.9	3.3	2.5	8.4	84	3.9	34
28	2.0	3.7	4.5	50	16	4.5	3.3	2.5	6.7	85	3.0	33
29	2.1	3.7	4.5	43	-	28	3.3	2.4	4.5	98	2.6	37
30	2.3	3.7	4.5	37	-----	19	3.3	2.3	3.2	67	2.3	30
31	2.6	-----	4.5	32	-----	12	-----	2.1	-----	51	2.3	-----
Total	267.8	100.5	233.8	578.9	1,031	232.7	194.2	93.5	65.3	3,699.2	513.0	2,321.4
Mean	8.64	3.35	7.54	18.7	36.8	7.51	6.47	3.02	2.18	119	16.5	77.4
Cfsm	0.059	0.022	0.050	0.125	0.245	0.050	0.043	0.020	0.015	0.793	0.110	0.516
In.	0.07	0.02	0.06	0.14	0.26	0.06	0.05	0.02	0.02	0.92	0.13	0.58

Calendar year 1954: Max 805 Min 2.0 Mean 32.5 Cfsm 0.217 In. 2.94
Water year 1954-55: Max 444 Min 1.3 Mean 25.6 Cfsm 0.171 In. 2.33

Peak discharge (base, 1,500 cfs).--No peak above base.

* Discharge measurement made on this day.

St. Marys River near Macclenny, Fla.

Location.--Lat 30°21'35", long 82°04'55", in sec. 2, T. 2 S., R. 22 E., on right bank 200 ft downstream from site of former Stokes Bridge, 1 mile downstream from confluence of North and South Prongs, and 6 miles northeast of Macclenny.

Drainage area.--720 sq mi, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

Records available.--October 1926 to September 1955.

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, staff gage, and Feb. 21, 1939, to Aug. 15, 1948, water stage recorder, at site of former bridge 200 ft upstream at same datum.

Average discharge.--29 years, 652 cfs.

Extremes.--Maximum discharge during year, 762 cfs Sept. 15 (gage height, 6.85 ft); minimum, 16 cfs June 21-23, 25, 26; minimum gage height, 0.93 ft June 22, 26.
1926-55: Maximum discharge, 28,100 cfs Sept. 25, 1947 (gage height, 22.29 ft); minimum observed, 12 cfs May 22, 1932; minimum gage height observed, 0.04 ft June 4, 5, 1927.

Remarks.--Records fair.

Revisions (water years).--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 24 to Feb. 28, Aug. 1-5)

Oct. 1-23

Oct. 24 to Sept. 30

1.4	35	0.9	15	4.0	300
2.0	73	1.2	25	5.5	481
2.5	110	1.6	48	7.0	800
3.1	170	2.0	85		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	89	30	31	38	90	59	54	25	21	30	184	202
2	77	30	30	37	82	66	48	24	20	28	*184	202
3	71	30	30	*36	74	63	45	23	20	25	179	215
4	67	30	30	36	70	60	*44	23	19	22	178	186
5	64	31	30	36	67	58	42	23	19	20	160	155
6	59	32	33	35	64	55	41	23	19	19	140	182
7	55	32	38	34	92	54	39	22	19	20	122	214
8	79	32	43	34	227	50	37	22	18	24	107	342
9	168	32	42	34	321	49	36	22	18	30	96	416
10	149	32	42	34	291	47	37	21	17	42	83	331
11	110	32	40	34	249	46	37	21	18	50	69	280
12	*87	32	40	34	272	45	36	21	18	73	58	278
13	73	32	44	34	276	44	36	20	18	135	50	293
14	65	33	76	33	234	42	38	20	17	259	48	478
15	62	37	101	32	*201	41	43	21	17	285	52	*745
16	57	37	88	34	178	40	62	28	18	277	134	718
17	52	36	68	36	159	39	62	*37	18	312	138	592
18	48	36	60	42	146	38	49	42	18	350	123	489
19	45	35	55	58	133	37	40	34	18	366	110	416
20	42	34	53	73	123	37	37	30	18	336	92	363
21	40	34	50	69	114	36	34	29	*17	286	73	320
22	39	*33	48	59	106	36	34	28	16	236	58	285
23	36	32	46	62	99	36	33	26	18	193	47	252
24	35	32	45	146	92	36	32	26	18	153	42	231
25	34	32	44	259	87	36	30	25	16	124	44	208
26	34	32	43	254	81	35	28	24	17	124	61	182
27	32	31	43	202	76	34	27	26	23	134	139	164
28	32	31	43	160	72	36	26	26	42	201	224	150
29	32	31	42	134	-	44	26	26	24	306	318	149
30	32	31	40	115	-	61	25	24	36	318	315	154
31	31	-	39	101	-	64	-	22	-	215	249	-
Total	1,895	974	1,457	2,325	4,076	1,434	1,158	783	625	5,063	3,895	9,192
Mean	61.1	32.5	47.0	75.0	146	46.3	38.6	25.3	20.8	164	126	306
Cfs/m	0.085	0.045	0.065	0.104	0.203	0.064	0.054	0.035	0.029	0.228	0.175	0.425
In.	0.10	0.08	0.08	0.12	0.21	0.07	0.06	0.04	0.03	0.26	0.20	0.47

Calendar year 1954: Max 4,210 Min 18 Mean 179 Cfs/m 0.249 In. 3.36
Water year 1954-55: Max 745 Min 16 Mean 90.1 Cfs/m 0.125 In. 1.69

* Discharge measurement made on this day.

Jane Green Creek near Deer Park, Fla.

Location.--Lat 28°04'27", long 80°53'18", in SE $\frac{1}{4}$ sec. 2, T. 28 S., R. 34 E., near right bank of left channel on downstream side of highway bridge, 1 $\frac{1}{4}$ miles southeast of Deer Park and 2 miles downstream from confluence of Crabgrass and Bull Creeks.

Drainage area.--248 sq mi.

Records available.--October 1953 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 18.55 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 4,580 cfs Sept. 13 (gage height, 7.89 ft); no flow May 10 to June 26.
1953-55: Maximum discharge, 6,680 cfs about Oct. 9 or 10, 1953 (gage height, 8.65 ft, from floodmark); no flow May 10 to June 26, 1955.

Remarks.--Records good above 2,500 cfs and fair below. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 24-26, July 9 to Aug. 2, Aug. 26 to Sept. 5)

2.8	0	3.7	27
2.9	.1	4.0	80
3.0	.3	4.3	160
3.1	.4	4.6	290
3.2	1.4	5.0	620
3.3	3.2	6.0	1,760
3.4	6.2	7.0	3,100
3.5	11	8.0	4,840
3.6	18		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,980	476	283	128	272	164	106	0.9	0	780	407	*423
2	1,640	611	236	121	247	148	132	.5	0	1,280	638	398
3	1,440	611	216	116	224	132	144	.4	0	1,330	854	407
4	1,280	548	195	108	*203	119	144	.4	0	1,130	1,050	548
5	1,180	476	178	103	181	106	135	.3	0	887	1,030	656
6	1,040	407	167	98	164	94	121	.3	0	710	854	683
7	898	337	157	92	148	85	113	.2	*0	665	701	683
8	790	290	144	87	144	76	96	.1	0	975	584	800
9	997	252	135	80	135	66	85	.1	0	1,480	449	1,580
10	1,270	220	126	76	129	56	72	0	0	1,440	374	2,280
11	1,620	203	119	72	132	48	60	0	0	1,320	415	2,520
12	1,620	188	113	68	141	41	53	0	0	1,170	374	3,640
13	1,420	178	116	62	144	35	42	0	0	986	285	4,400
14	1,270	252	121	58	157	27	42	0	0	821	224	3,540
15	1,220	602	116	53	170	24	41	0	0	656	178	2,820
16	1,170	964	116	50	178	*18	35	0	0	530	138	2,280
17	1,090	*1,180	113	53	188	14	29	0	0	415	111	1,860
18	975	1,230	132	53	192	11	26	0	0	324	89	1,490
19	810	1,150	144	53	207	8.4	25	0	0	263	89	1,220
20	674	1,040	154	51	224	6.2	23	0	0	*228	188	1,030
21	557	931	164	51	247	4.6	21	0	0	192	521	876
22	449	832	178	51	258	3.8	19	0	*0	167	629	750
23	357	750	184	51	258	2.6	16	0	0	138	760	683
24	297	665	184	68	247	2.8	12	0	0	129	843	856
25	258	575	181	113	236	4.6	9.4	0	0	124	790	620
26	228	503	170	164	220	6.2	*5.9	0	0	108	832	530
27	195	440	164	224	199	7.0	4.2	0	.5	108	843	432
28	178	382	154	274	181	7.4	3.0	0	6.0	119	810	337
29	157	330	148	303	-	21	2.4	0	53	129	790	279
30	211	290	141	317	-	40	1.7	0	195	126	701	247
31	268	-	132	303	-	74	-	0	178	557	-	-
Total	27,539	16,913	4,861	3,499	5,433	1,452.6	1,618.6	3.2	254.5	18,908	17,128	38,658
Mean	888	564	157	113	194	46.9	54.0	0.10	8.48	610	553	1,289
Cfs/m	3.58	2.27	0.633	0.456	0.782	0.189	0.218	0.00040	0.034	2.46	2.23	5.20
In.	4.13	2.54	0.75	0.52	0.81	0.22	0.24	0.0005	0.04	2.84	2.57	5.80
Calendar year 1954: Max	3,950				Min 0.5		Mean 425		Cfs/m 1.71	In. 23.28		
Water year 1954-55: Max	4,400				Min 0		Mean 373		Cfs/m 1.50	In. 20.44		

* Discharge measurement or observation of no flow made on this day.

St. Johns River near Melbourne, Fla.

Location.--Lat 28°05'03", long 80°45'11", in NE $\frac{1}{4}$ sec. 6, T. 28 S., R. 36 E., on left bank 10 ft upstream from bridge on U. S. Highway 192, 1.0 mile downstream from Sawgrass Lake, 1.8 miles upstream from Lake Washington, and 9.2 miles west of Melbourne.

Drainage area.--874 sq mi (revised).

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 11.22 ft above mean sea level, datum of 1929. Prior to July 26, 1940, staff gage at same site and datum.

Average discharge.--16 years, 789 cfs.

Extremes.--Maximum daily discharge during year, 3,290 cfs Oct. 3; maximum gage height, 7.01 ft Oct. 14; no flow for many days; minimum gage height observed, 1.80 ft June 16. 1939-55: Maximum discharge, 8,650 cfs Oct. 12, 1953 (gage height, 9.47 ft); maximum reverse flow measured, 109 cfs Sept. 18, 1950, wind effect; minimum gage height, that of June 16, 1955.

Remarks.--Records poor. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,160	1,240	1,050	457	*602	370				243	670	989
2	3,250	1,180	1,030	448	591	352				404	636	*1,080
3	3,290	1,140	1,000	440	591	*336				530	625	1,090
4	3,230	1,090	976	422	602	327				726	580	1,050
5	3,180	1,070	922	404	568	318				936	568	989
6	3,090	1,040	922	396	539	302	e20					
7	3,030	1,020	936	387	548	310			(*)	1,110	557	936
8	2,960	976	880	370	580	302				1,280	557	*908
9	3,000	936	*838	352	557	260				*1,430	557	936
10	2,930	880	824	336	539	235				1,430	557	1,090
										1,430	548	1,200
11	2,850	880	782	327	548	218				1,480	539	1,280
12	2,790	866	726	310	548	194				1,520	530	1,410
13	2,740	838	698	310	521	178	(*)		e0	1,570	521	1,530
14	2,740	922	740	276	502	162				1,530	557	1,750
15	2,680	1,000	684	260	484	124				1,480	568	a1,850
16	2,580	976	659	243	466	109	e10		e0	1,410	*539	a2,000
17	2,500	963	614	280	484	*95				1,310	512	2,140
18	2,390	*1,000	636	252	493					1,210	466	a2,140
19	2,300	1,030	636	252	493					1,110	493	a2,130
20	2,180	1,070	614	*243	493					*1,000	625	a2,110
21	2,090	1,090	591	243	475					963	602	a2,100
22	1,960	1,120	568	252	466					922	614	a2,050
23	1,830	1,140	548	276	457					880	591	a2,000
24	1,710	1,160	539	361	431		e50			866	591	1,920
25	1,620	1,140	530	422	440					908	614	a1,810
26	1,500	1,130	521	448	413					866	684	a1,710
27	1,380	1,120	512	466	396					796	726	a1,620
28	1,270	1,090	502	493	387		(*)	(*)	e20	754	754	a1,520
29	*1,130	1,090	493	530	-					726	796	a1,420
30	1,350	1,080	484	557	-----					670	894	a1,350
31	1,280	-----	466	580	-----					659	963	-----
Total	73,990	31,277	21,921	11,373	14,214	4,892	300	0	100	32,149	19,034	46,108
Mean	2,387	1,043	707	367	508	158	10.0	0	3.3	1,037	614	1,537
Cfsm	2.73	1.19	0.809	0.420	0.581	0.181	0.011	0	0.0038	1.19	0.703	1.76
In.	3.15	1.33	0.93	0.48	0.60	0.21	0.01	0	0.004	1.37	0.81	1.96

Calendar year 1954: Max 3,290 Min - Mean 846 Cfsm 0.968 In. †13.14
 Water year 1954-55: Max 3,290 Min - Mean 700 Cfsm 0.801 In. 10.85

* Discharge measurement or observation of no flow made on this day.

† Computed on basis of revised drainage area.

a No gage-height record; discharge estimated on basis of records for nearby stations.

e Stage-discharge relation indefinite; discharge estimated on basis of records for nearby stations.

St. Johns River near Christmas, Fla.

Location (revised).--Lat 28°32'35", long 80°56'40", in SW¹ sec. 29, T. 22 S., R. 34 E., on left bank 15 ft downstream from bridge on State Highway 50, 2 miles upstream from Lake Cone and Tosohatchee Creek, and 4.5 miles east of Christmas.

Drainage area.--1,418 sq mi (revised).

Records available.--December 1933 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1.62 ft above mean sea level, datum of 1929. Prior to July 23, 1934, staff gage at same site and datum.

Average discharge.--21 years (1934-55), 1,358 cfs.

Extremes.--Maximum discharge during year, 3,000 cfs Oct. 14 (gage height, 7.17 ft); minimum, 122 cfs June 15 (gage height, 1.76 ft).

1933-55: Maximum discharge, 11,700 cfs Oct. 12, 1953 (gage height, 10.59 ft); no flow Mar. 22-27, Apr. 19, June 12, 13, 1939; minimum gage height, 0.48 ft June 19, 1945.

Remarks.--Records fair. Records include small inflow from Tosohatchee Creek at high stages and do not include diversions through Ellis Canal from St. Johns River Marsh into Indian River. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Revisions (water years).--WSP 1082: 1926(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-14		Oct. 15 to Sept. 30	
6.4	1,970	1.6	126
7.2	3,050	2.0	150
		3.0	308
		4.0	511
		5.0	770
		6.0	1,370
		7.2	3,030

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,000	2,320	1,970	1,260	923	740	440	238	167	817	934	1,390
2	2,020	2,280	1,920	1,240	906	726	432	230	159	867	934	1,380
3	2,060	2,200	1,880	1,210	869	713	424	220	151	872	956	1,370
4	2,060	2,200	1,840	1,190	878	697	424	214	147	828	984	1,360
5	2,060	2,150	1,810	1,170	867	683	414	211	145	775	990	1,330
6	2,060	2,100	1,750	1,140	844	669	408	209	*144	729	990	1,310
7	2,070	2,070	1,710	1,120	817	653	398	211	140	710	984	1,290
8	2,170	*2,020	1,710	1,110	833	592	392	206	137	782	968	1,300
9	2,490	1,980	1,670	1,080	828	620	384	204	130	751	951	1,370
10	2,680	1,970	1,620	1,050	812	604	376	206	126	743	923	1,630
11	2,850	1,980	1,610	1,030	791	586	368	202	126	726	895	1,920
12	2,930	1,960	1,580	1,020	780	574	370	196	146	710	872	2,100
13	2,980	1,980	1,580	979	775	563	366	191	142	700	861	2,070
14	2,980	2,200	1,560	956	766	*552	360	185	135	694	872	2,000
15	2,950	2,410	1,560	934	751	539	366	190	128	700	923	1,920
16	2,910	2,520	1,540	906	743	527	386	203	130	703	917	1,880
17	2,890	2,620	1,510	906	755	517	376	204	138	700	912	1,890
18	2,810	2,630	1,520	900	759	507	360	203	149	*692	928	1,900
19	2,760	2,590	1,520	861	786	496	345	196	146	683	917	1,900
20	2,700	2,520	1,490	867	796	484	331	188	146	672	906	1,880
21	2,670	2,450	1,480	850	801	471	318	192	149	667	906	1,960
22	2,630	2,400	1,450	817	806	456	312	202	149	669	928	2,130
23	2,600	2,320	*1,420	796	806	448	304	200	146	658	1,000	2,140
24	2,550	2,300	1,390	817	806	440	292	197	169	661	1,060	2,130
25	2,520	2,230	1,370	906	791	438	285	196	276	747	1,130	2,100
26	2,480	2,180	1,350	940	786	444	*277	194	464	839	1,180	2,100
27	2,450	2,140	1,350	951	770	436	267	187	517	900	1,180	2,060
28	2,410	2,090	1,350	951	759	430	258	180	586	934	1,180	2,070
29	2,390	2,040	1,320	940	759	423	253	173	630	934	*1,210	2,060
30	2,390	2,000	1,300	940	759	465	246	167	755	928	1,310	2,050
31	2,360	-----	1,280	*934	-----	450	-----	174	-----	917	1,370	-----
Total	77,880	66,830	48,390	30,771	22,624	17,026	10,532	6,169	6,693	23,688	31,071	53,990
Mean	2,512	2,228	1,561	993	808	549	351	199	223	764	1,002	1,800
Cfsm	1.77	1.57	1.10	0.700	0.570	0.387	0.248	0.140	0.157	0.539	0.707	1.27
In.	2.04	1.75	1.27	0.81	0.59	0.45	0.28	0.16	0.18	0.62	0.81	1.42

Calendar year 1954: Max 5,330 Min 130 Mean 1,567 Cfsm 1.11 In. †15.00
 Water year 1954-55: Max 2,980 Min 126 Mean 1,064 Cfsm 0.764 In. 10.38

* Discharge measurement made on this day.

† Computed on basis of revised drainage area.

Econlockhatchee River near Chuluota, Fla.

Location (revised).--Lat 28°40'40", long 81°06'50", in sec. 10, T. 21 S., R. 32 E., on right bank 10 ft downstream from highway bridge, 2.6 miles northeast of Chuluota, and 10 miles upstream from mouth.

Drainage area.--260 sq mi, approximately.

Records available.--November 1935 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 2.14 ft above mean sea level (Corps of Engineers benchmark). Prior to May 18, 1939, staff gage at same site and datum. Since Sept. 4, 1943, water-stage recorder on St. Johns River above Lake Harney near Geneva, 7 miles downstream from base gage, used as an auxiliary gage for this station.

Average discharge.--19 years (1936-55), 259 cfs.

Extremes.--Maximum discharge during year, 1,350 cfs Sept. 13 (gage height, 9.75 ft); minimum, 16 cfs June 15; minimum gage height, 0.80 ft, May 13.
1935-55: Maximum discharge, 10,000 cfs Sept. 24, 1948 (gage height, 18.09 ft), from rating curve extended above 4,300 cfs; minimum, 6.7 cfs June 11-13, 15, 1945; minimum gage height, 0.44 ft June 15-17, 1945.
Maximum stage known, that of Sept. 24, 1948.

Remarks.--Records fair. Records include some flow diverted from Lake Mary Jane in Lake Okeechobee and the Everglades basin through Econlockhatchee Headwaters Canal. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Revisions (water years).--WSP 892: 1939. WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	169	78	113	68	91	58	42	20	24	34	349	265
2	143	75	105	66	83	56	40	20	21	52	438	325
3	128	68	98	63	77	54	37	20	22	69	520	392
4	122	64	89	62	71	52	35	19	23	69	551	626
5	115	58	83	60	66	50	33	19	21	60	583	702
6	103	52	81	59	62	48	30	19	*20	58	655	650
7	90	50	80	57	59	46	28	19	19	68	789	578
8	262	*47	80	56	60	44	26	19	18	90	736	641
9	724	42	78	54	64	42	25	19	17	105	564	686
10	787	43	75	53	68	40	24	19	17	107	411	814
11	875	46	69	52	71	38	24	18	17	120	321	1,080
12	940	53	66	51	75	37	48	18	19	128	256	1,260
13	843	54	65	50	77	36	53	18	19	126	206	1,350
14	715	158	64	48	75	*33	47	18	18	123	169	1,200
15	614	384	66	47	75	31	50	19	17	132	145	987
16	501	549	69	46	75	30	49	19	18	135	125	843
17	440	686	70	47	74	29	46	20	19	139	110	670
18	385	686	74	48	72	28	44	21	20	*137	98	573
19	326	580	87	53	73	27	39	22	21	125	86	537
20	270	462	*105	53	72	26	35	21	23	110	83	511
21	232	367	111	52	71	25	32	22	22	102	97	500
22	207	304	112	51	70	24	29	29	21	100	101	484
23	173	264	105	50	68	24	27	32	23	100	112	432
24	146	230	98	64	68	24	25	35	26	93	120	399
25	126	206	93	100	66	24	24	31	28	89	110	364
26	111	185	86	127	66	25	*23	32	31	92	103	330
27	96	165	85	136	64	26	21	37	30	98	136	308
28	87	149	79	154	62	26	22	48	31	95	194	284
29	78	135	77	125	-	33	21	46	30	90	*220	254
30	78	122	74	113	-----	36	20	36	30	102	208	234
31	77	-----	71	*102	-----	41	-----	29	-----	151	226	-----
Total	9,965	6,362	2,604	2,147	1,975	1,113	999	764	865	3,099	8,822	18,259
Mean	321	212	84.0	69.3	70.5	35.9	33.3	24.6	22.2	100	285	609
Cfsm	1.23	0.815	0.323	0.267	0.271	0.158	0.126	0.095	0.085	0.365	1.10	2.34
In.	1.43	0.91	0.37	0.31	0.28	0.16	0.14	0.11	0.10	0.44	1.26	2.61
Calendar year 1954: Max	1,740			Min	20	Mean	161	Cfsm	0.619	In.	8.39	
water year 1954-55: Max	1,330			Min	17	Mean	156	Cfsm	0.600	In.	8.12	

* Discharge measurement made on this day.

ST. JOHNS RIVER BASIN

St. Johns River above Lake Harney, near Geneva, Fla.

Location (revised).--Lat 28°42'50", long 81°02'08", in NE¼ sec. 32, T. 20 S., R. 33 E., near right bank at upstream side of bridge on State Highway 46, 1 mile upstream from Lake Harney, 5½ miles southeast of Geneva, and 16.9 miles southeast of Sanford.

Drainage area.--1,910 sq mi, approximately.

Records available.--July 1951 to September 1955 (discharge measurements only).

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark).

Extremes.--1951-55: Maximum discharge measured, 13,800 cfs Oct. 7, 1953; minimum measured, 142 cfs June 7, 1955.

Remarks.--Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Nov. 9.....	2,130	Apr. 27.....	309
Dec. 20.....	1,670	June 7.....	142
Feb. 1.....	1,080	July 19.....	870
Mar. 15.....	677	Aug. 31.....	1,380

St. Johns River near Sanford, Fla.

Location.--Lat 28°50', long 81°19', in sec. 16, T. 19 S., R. 30 E., on left bank 25 ft downstream from bridge on U. S. Highways 17 and 92 near downstream end of Lake Monroe and 4 miles northwest of Sanford.

Drainage area.--2,420 sq mi, approximately.

Records available.--August 1941 to September 1955 (discharge measurements only).

Gage.--Water-stage recorder. Datum of gage is 0.09 ft below mean sea level, datum of 1929.

Extremes.--1941-55: Maximum discharge measured, 17,500 cfs Oct. 14, 1953; maximum reverse flow measured, 1,420 cfs June 8, 1955 (affected by tide).

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Nov. 10.....	2,920	Apr. 28.....	-672
Dec. 21.....	2,930	June 8.....	-1,420
Feb. 2.....	2,180	July 20.....	1,670
Mar. 16.....	891		

Note.--Negative sign indicates reverse flow.

Wekiva River near Sanford, Fla.

Location.--Lat 28°49', long 81°25', on line between secs. 21 and 28, T. 19 S., R. 29 E., near right bank at downstream side of bridge on State Highway 46, 4½ miles downstream from Little Wekiva River, 5½ miles upstream from mouth, and 9 miles west of Sanford.

Records available.--October 1931 to September 1935 (discharge measurements only), October 1935 to September 1955.

Gage.--Staff gage read once daily. Prior to Nov. 6, 1935, reference point at same site.

Average discharge.--20 years (1935-55), 262 cfs.

Extremes.--Maximum discharge observed during year, 952 cfs Oct. 10 (gage height, 4.60 ft); minimum observed, 185 cfs May 28, 29; minimum gage height, 2.88 ft Nov. 3-10.
1935-55: Maximum discharge observed, 2,060 cfs Sept. 17, 1945 (gage height, 5.60 ft), from rating curve extended above 700 cfs; minimum observed, 105 cfs June 5-13, 1939; minimum gage height observed, 2.51 ft June 4-6, 1941.

Remarks.--Records fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 5-12)

Oct. 1-10	Oct. 11 to Feb. 26	Feb. 27 to Sept. 30
2.9 258	2.9 195	3.0 179
3.9 533	3.3 294	3.4 276
4.5 889	3.8 470	3.7 405
	4.4 826	

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	328	206	204	218	*237	208	226	200	198	246	356	252
2	308	209	204	218	237	206	221	200	196	246	359	241
3	298	204	204	218	235	206	217	200	194	238	313	241
4	293	204	204	218	235	204	213	200	194	228	276	236
5	283	206	204	218	230	204	213	200	192	224	264	236
6	278	206	204	218	228	202	208	200	190	226	241	236
7	273	206	237	218	228	202	204	200	190	236	231	236
8	385	206	228	218	260	200	204	196	*192	249	231	264
9	542	209	228	218	260	200	200	196	194	255	226	264
10	870	*209	223	218	254	198	200	196	190	255	226	276
11	813	211	218	218	262	198	200	196	192	276	221	276
12	652	209	218	218	272	196	213	200	192	258	217	264
13	522	206	218	213	267	196	217	200	194	241	217	252
14	425	267	237	213	a262	194	270	200	194	244	213	241
15	373	264	237	213	a258	194	270	200	196	334	213	236
16	325	262	232	213	a254	*192	264	200	196	339	217	231
17	297	260	232	213	a250	192	246	200	198	330	217	221
18	264	257	232	223	a248	192	231	200	206	330	213	221
19	240	257	232	242	a242	192	221	200	208	309	213	226
20	a232	252	228	242	a239	192	213	200	204	*287	213	221
21	a225	a248	*228	237	a232	192	208	264	206	276	213	221
22	a220	a240	228	232	a228	192	204	255	202	276	213	221
23	a216	a235	223	232	225	192	204	244	204	226	213	217
24	a211	a229	223	242	216	192	204	226	221	380	213	213
25	a210	a222	223	272	216	192	204	210	215	339	213	213
26	a208	a218	218	267	211	192	200	194	224	309	208	213
27	a207	a212	218	262	210	208	200	192	226	273	208	213
28	a206	209	218	262	208	221	*200	185	217	264	208	213
29	a206	204	218	257	-	226	200	185	219	313	208	208
30	a206	204	218	252	-----	236	200	204	244	343	241	208
31	206	-----	218	247	-----	231	-----	202	-----	343	*270	-----
Total	10,322	6,731	6,857	7,150	6,704	6,242	6,475	6,345	6,088	8,793	7,265	7,011
Mean	333	224	221	231	239	201	216	205	203	284	234	234
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 870 Min 188 Mean 246 Cfsm - In. -
Water year 1954-55: Max 870 Min 185 Mean 236 Cfsm - In. -

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for nearby stations.

Blue Spring near Orange City, Fla.

Location.--Lat 28°56', long 81°20', in sec. 8, T. 18 S., R. 30 E., on left bank of spring run, 800 ft upstream from St. Johns River, a quarter of a mile downstream from head of spring, and 2½ miles west of Orange City.

Records available.--March 1932 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 0.74 ft below mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1932-55: Maximum discharge measured, 206 cfs Mar. 1, 1954; minimum measured, 62.7 cfs Nov. 6, 1935, but may be inaccurate owing to adverse measuring conditions and abnormal amount of backwater from St. Johns River.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Nov. 10.....	153	Apr. 27.....	161
Dec. 21.....	169	June 9.....	174
Feb. 2.....	160	July 20.....	169
Mar. 16.....	166	Sept. 1.....	168

St. Johns River near De Land, Fla.

Location.--Lat 29°01', long 81°23', in T. 17 S., R. 29 E., on left bank 1,000 ft downstream from site of former Crows Bluff Bridge on State Highway 44, and 5 miles west of De Land.

Drainage area.--2,960 sq mi, approximately.

Records available.--January 1934 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1.114 ft below mean sea level (levels by Corps of Engineers). Prior to May 28, 1936, staff gage at Crows Bluff Bridge 1,000 ft upstream at same datum. Auxiliary water-stage recorder at St. Francis Landing, 4 miles downstream from Crows Bluff Bridge. Prior to Jan. 16, 1943, an additional auxiliary water-stage recorder 1½ miles upstream from Crows Bluff Bridge.

Average discharge.--21 years, 3,150 cfs.

Extremes.--Maximum daily discharge during year, 5,360 cfs Nov. 29; maximum gage height, 3.31 ft Oct. 16; maximum reverse flow measured, 1,630 cfs June 9; minimum gage height, 0.96 ft Mar. 22.

1934-55: Maximum daily discharge, 17,100 cfs Oct. 15, 1953; maximum gage height, 7.17 ft Oct. 11, 12, 1953; maximum reverse flow measured, that of June 9, 1955.

Remarks.--Records fair except those below 2,500 cfs, which are poor. Flow occasionally reversed as result of tide and wind effect.

Revisions.--WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,180	4,630	5,000									
2	3,260	4,690	4,850									
3	3,280	4,540	4,620	e2,990	*e2,550	e2,390						
4	3,290	4,650	4,440									
5	3,450	4,680	4,290								(*)	e2,090
6	3,600	4,460	4,160	(*)			(*)					
7	3,460	4,300	2,960									
8	2,630	4,130	2,900	e2,450	e2,170	e1,880	e1,600					
9	2,600	3,910	3,130						(*)	e1,860	e1,880	
10	3,150	3,640	3,170									
11	3,770	*3,120	3,350									
12	3,840	2,250	3,750									(*)
13	4,100	2,470	3,880	e2,170	e2,330	e1,810						e2,740
14	*3,970	2,760	3,810									
15	3,740	3,060	4,010									
16	3,870	3,360	4,280			(*)		e1,400	e1,140			
17	4,040	3,430	4,280									
18	4,160	3,480	4,220	e2,080	*e2,550	e1,420		(*)				e2,140
19	4,400	3,850	4,110									
20	4,480	4,020	4,260									
21	4,250	4,180	4,010							(*)		3,300
22	4,030	4,400	*4,210									3,800
23	4,050	4,570	4,190	e1,900	e2,070	e1,210	e1,190					4,040
24	4,100	4,710	4,070						(*)	e2,000	e2,100	4,180
25	4,100	4,890	3,910									4,170
26	3,990	*4,920	3,490									4,240
27	4,020	5,090	3,280		e1,930							3,780
28	4,250	5,150	3,070	e2,610	-	e1,500	(*)					3,720
29	4,430	5,360	3,120									3,820
30	4,490	5,100	3,150									3,690
31	4,410	-----	3,050								(*)	-----
Total	118,390	123,800	119,020	73,610	64,140	52,550	41,850	43,400	34,200	59,900	61,800	83,940
Mean	3,819	4,127	3,839	2,375	2,291	1,695	1,395	1,400	1,140	1,932	1,994	2,798
Cfsm	1.29	1.39	1.30	0.802	0.774	0.573	0.471	0.473	0.385	0.653	0.674	0.945
In.	1.49	1.56	1.50	0.92	0.81	0.66	0.53	0.55	0.43	0.75	0.78	1.05

Calendar year 1954: Max 7,530 Min - Mean 3,212 Cfsm 1.09 In. 14.74
Water year 1954-55: Max 5,360 Min - Mean 2,402 Cfsm 0.811 In. 11.03

* Discharge measurement made on this day.

e Stage-discharge relation indefinite; discharge estimated on basis of records for other stations in St. Johns River basin.

Palatlahaka Creek near Mascotte, Fla.

Location.--Lat 28°37', long 81°51', in sec. 36, T. 21 S., R. 24 E., on right bank 5 ft upstream from highway bridge, 0.2 mile downstream from Lake Emma, and 3¼ miles north-east of Mascotte.

Drainage area.--160 sq mi, approximately.

Records available.--May 1945 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 89.54 ft above mean sea level, datum of 1929. Prior to May 21, 1946, staff gage at same site and datum.

Average discharge.--10 years, 104 cfs.

Extremes.--Maximum discharge during year, 37 cfs Sept. 28-30; maximum gage height, 4.00 ft Sept. 29, 30; minimum discharge, 0.7 cfs June 15, 16; minimum gage height, 2.28 ft June 16.

1945-55: Maximum discharge, 458 cfs Oct. 4, 5, 1945; maximum gage height, 7.12 ft Oct. 11, 12, 1953; minimum discharge observed, 0.2 cfs June 18, 19, 1945; minimum gage height observed, 2.14 ft June 19, 1945.

Remarks.--Records poor.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-11, Nov. 27 to
Jan. 1, Aug. 6-22, Sept. 18-30)

2.3	0.7	3.5	11
2.4	.9	3.7	16
2.5	1.2	4.0	28
2.6	1.7	4.2	38
2.9	4.2		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	14	16	12	9.5	8.0	5.5	3.0	2.0	3.2	3.2	6.2
2	17	14	16	11	9.4	*7.9	5.6	2.8	1.8	3.4	3.2	8.6
3	17	14	16	11	9.3	7.8	5.6	2.5	1.6	3.4	3.2	9.1
4	17	13	15	11	9.2	7.6	5.5	2.3	1.5	3.4	3.2	9.4
5	16	13	15	11	9.2	7.4	5.5	2.2	1.3	3.1	3.2	9.7
6	16	13	17	10	9.1	7.3	5.5	2.2	1.2	2.9	3.0	9.9
7	16	12	17	10	8.9	7.1	5.4	2.2	1.2	*2.8	2.9	10
8	17	12	*17	10	9.9	6.8	5.2	2.1	1.0	2.8	2.8	11
9	19	12	17	9.9	9.8	6.7	5.0	1.9	.9	2.8	2.8	12
10	19	12	16	9.9	9.8	6.4	4.9	1.8	.9	2.8	2.7	13
11	19	12	16	9.7	10	6.3	4.8	1.6	.9	2.8	2.5	14
12	19	12	15	9.5	9.9	6.2	4.7	1.5	.9	2.7	2.5	15
13	19	12	15	9.2	9.7	6.2	4.8	1.4	.8	2.5	2.4	19
14	19	14	16	9.1	9.5	6.0	5.8	1.3	.8	2.3	2.6	19
15	19	15	15	8.8	9.5	5.9	6.2	1.4	.7	2.2	2.6	19
16	19	15	15	8.9	9.5	5.7	6.2	1.5	.8	2.2	2.4	21
17	18	15	14	9.2	9.4	5.5	6.1	1.4	1.3	2.2	*2.3	22
18	18	15	15	9.3	9.3	5.2	5.9	1.4	1.6	2.2	2.3	23
19	18	15	15	*9.3	9.3	5.1	5.7	1.6	2.2	1.8	2.3	24
20	17	15	14	9.2	9.2	4.9	5.6	2.2	2.4	1.8	2.3	25
21	17	15	14	9.2	9.1	4.7	*5.4	3.4	2.4	1.6	2.3	27
22	17	15	13	9.2	8.9	4.6	5.1	3.6	2.4	1.6	2.2	29
23	16	16	13	9.1	8.8	4.2	5.0	3.8	2.4	1.6	2.2	30
24	16	16	13	9.9	8.7	4.5	4.8	3.6	2.4	1.8	2.2	32
25	16	15	13	10	8.5	4.6	4.6	*3.4	2.4	1.8	2.2	33
26	16	15	13	10	8.5	4.9	4.2	3.2	2.5	1.6	2.5	34
27	16	16	13	10	8.2	4.9	4.0	3.1	3.1	1.6	2.8	34
28	*16	16	12	9.9	8.1	5.0	3.8	2.8	3.4	1.4	3.2	*35
29	16	15	12	9.8	-	5.5	3.6	2.6	3.2	1.4	3.6	37
30	15	15	12	9.7	-	5.5	3.4	2.4	3.2	1.6	4.2	37
31	15	---	12	9.7	---	5.5	---	2.2	---	2.9	4.6	---
Total	532	423	452	304.5	258.2	183.9	153.4	72.2	53.2	72.2	86.6	627.9
Mean	17.2	14.1	14.6	9.82	9.22	5.93	5.11	2.33	1.77	2.33	2.79	20.9
Cfsm	0.108	0.088	0.091	0.061	0.058	0.037	0.032	0.015	0.011	0.015	0.017	0.131
In.	0.12	0.10	0.11	0.07	0.06	0.04	0.04	0.02	0.01	0.02	0.02	0.15
Calendar year 1954: Max	343			Min	12	Mean	77.2	Cfsm	0.482	In.	6.56	
Water year 1954-55: Max	37			Min	0.7	Mean	8.82	Cfsm	0.055	In.	0.76	

* Discharge measurement made on this day.

ST. JOHNS RIVER BASIN

Palatlahka Creek near Okahumpka, Fla.

Location.--Lat 28°43', long 81°53', in sec. 26, T. 20 S., R. 24 E., at bridge 2 miles southeast of Okahumpka and 4 miles upstream from mouth.

Records available.--May 1945 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Prior to Sept. 18, 1952, reference point at same site.

Extremes.--1945-55: Maximum discharge measured, 436 cfs Sept. 17, 1945; minimum measured, 0.80 cfs May 30, 1945.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 26.....	20.0	May 25.....	4.39
Dec. 7.....	20.1	July 7.....	1.73
Jan. 18.....	12.6	Aug. 17.....	1.24
Mar. 2.....	11.5	Sept. 28.....	24.8
Apr. 11.....	4.77		

Haines Creek at Lisbon, Fla.

Location.--Lat 28°53', long 81°47', in sec. 2, T. 19 S., R. 25 E., on left bank 15 ft downstream from bridge on State Highway 44, a quarter of a mile west of Lisbon, and 8½ miles northeast of Leesburg.

Drainage area.--640 sq mi. approximately.

Records available.--July 1942 to September 1955.

Gage.--Staff gage read once daily. Datum of gage is 59.22 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark).

Average discharge.--13 years, 303 cfs.

Extremes.--Maximum discharge observed during year, 308 cfs Oct. 9 (gage height, 2.58 ft); minimum observed, 126 cfs June 16, 17 (gage height, 0.65 ft).
1942-55: Maximum discharge, 819 cfs Jan. 3-5, 1954 (gage height, 4.24 ft); minimum observed, 74 cfs June 23-26, 1943; minimum gage height observed, 0.65 ft June 16, 17, 1955.

Maximum stage known, about 6.4 ft in 1926, from information by local resident.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and
discharge, in cubic feet per second)

Oct. 1-8		Oct. 9 to Sept. 30	
2.2	257	0.6	122
2.4	278	2.6	310

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	269	272	267	258	250	244	224	194	162	142	149	136
2	265	270	266	257	250	244	223	192	164	139	147	138
3	267	265	264	257	249	242	227	187	153	139	146	143
4	266	264	264	256	247	242	225	185	153	139	145	147
5	264	266	264	256	245	241	225	186	153	137	144	146
6	262	264	270	256	249	239	225	186	151	*136	144	145
7	262	261	*260	256	250	240	224	185	148	136	142	144
8	262	259	260	254	257	*232	223	182	147	136	145	142
9	308	258	264	254	254	232	219	182	144	138	145	142
10	305	257	261	254	255	232	218	180	140	137	143	141
11	305	255	260	256	263	229	*218	180	138	143	143	144
12	305	259	260	251	257	229	221	179	138	149	143	142
13	304	259	260	250	250	227	219	176	136	147	145	150
14	302	272	260	247	250	227	225	174	135	146	144	147
15	300	272	260	247	252	226	226	172	132	147	145	144
16	299	274	260	247	252	226	226	171	126	145	*142	142
17	292	277	260	249	252	224	224	170	126	144	142	139
18	290	276	264	*247	252	223	220	168	129	142	141	138
19	287	276	261	248	248	221	219	164	136	140	140	141
20	287	276	261	245	250	220	218	167	136	143	139	142
21	284	274	260	245	248	218	218	167	133	144	137	140
22	284	274	260	247	248	218	217	172	132	149	136	139
23	283	276	260	244	250	213	216	176	131	149	134	138
24	281	274	260	250	247	216	214	*173	131	152	133	136
25	280	272	259	254	247	216	214	172	133	151	131	135
26	*279	272	259	254	242	218	211	172	136	149	138	135
27	279	271	258	254	244	219	208	172	137	150	134	131
28	278	272	258	254	245	217	202	169	137	150	133	129
29	278	271	258	252	-----	225	202	171	140	153	130	*129
30	275	265	258	250	-----	226	200	169	140	153	134	128
31	273	-----	258	250	-----	225	-----	165	-----	149	136	-----
Total	8,776	8,053	8,094	7,799	7,003	7,051	6,551	5,458	4,187	4,474	4,350	4,193
Mean	283	268	261	252	250	227	218	176	140	144	140	140
Cfs/m	0.442	0.419	0.408	0.394	0.391	0.355	0.341	0.275	0.219	0.225	0.219	0.219
In.	0.51	0.47	0.47	0.45	0.41	0.41	0.38	0.32	0.24	0.26	0.25	0.24

Calendar year 1954: Max 819

Min 254

Mean 418

Cfs/m 0.653

In. 8.86

Water year 1954-55: Max 308

Min 126

Mean 208

Cfs/m 0.325

In. 4.41

* Discharge measurement made on this day.

Oklawaha River at Moss Bluff, Fla.

Location--Lat 29°05', long 81°53', in sec. 22 or 23, T. 16 S., R. 24 E., on left bank 25 ft upstream from old channel, 50 ft upstream from highway bridge, 600 ft downstream from powerplant, and 0.4 mile southwest of Moss Bluff.

Drainage area--910 sq mi, approximately.

Records available--February to September 1943 (discharge measurements only), October 1943 to September 1955 (discontinued).

Gage--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers benchmark). Prior to Aug. 12, 1943, staff gage at same site and datum.

Average discharge--12 years, 385 cfs.

Extremes--Maximum discharge during year, 613 cfs Aug. 13 (gage height, 47.07 ft); minimum, 24 cfs June 27, 29, 30, July 7, 8, 12-14; minimum gage height observed, 40.75 ft June 27.

1943-55: Maximum discharge, 1,060 cfs Jan. 11, 12, 1954; maximum gage height, 49.49 ft Jan. 11, 1954; minimum discharge, that of June 27, 29, 30, July 7, 8, 12-14, 1955.

Remarks--Records fair. Records include flow of old Oklawaha River channel. Flow regulated by powerplant above station. Normal limits of regulation of reservoir insufficient to affect monthly figures of runoff.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 28 to Feb. 1, May 11 to June 7)

Oct. 1 to May 23

May 24 to Sept. 30

42.6	140	40.7	23	44.0	192
43.0	174	41.5	42	46.0	430
44.0	279	42.0	61	47.0	600
46.0	551	43.0	118		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	254	275	223	192	248	302	271	313	171	60	33	178
2	256	232	229	196	249	301	248	188	171	185	30	183
3	260	271	229	187	241	302	278	185	170	192	30	194
4	254	271	230	191	239	300	282	179	170	152	51	206
5	252	271	231	189	234	298	279	181	177	29	67	206
6	249	272	257	190	243	312	251	179	170	25	205	187
7	248	283	*272	199	247	297	211	214	161	25	179	186
8	359	247	275	193	297	*270	262	221	162	59	38	186
9	486	227	271	216	319	233	261	178	163	189	36	192
10	455	228	270	191	344	214	230	178	159	162	37	195
11	429	230	271	190	383	214	*145	178	195	28	37	198
12	417	229	274	192	385	209	200	179	226	25	119	186
13	406	227	195	194	378	248	237	177	207	24	544	181
14	401	228	*201	192	380	218	254	180	204	25	349	176
15	394	228	200	194	374	229	247	196	197	63	237	176
16	397	232	265	216	373	216	245	185	170	194	*202	178
17	399	224	234	198	373	191	242	181	168	166	181	190
18	386	225	239	*198	370	189	238	181	170	31	177	193
19	378	223	241	202	373	213	284	189	180	30	190	179
20	328	225	239	212	377	229	288	214	173	30	291	179
21	284	229	240	198	366	179	262	188	170	32	283	178
22	283	228	240	222	369	181	241	196	175	72	201	174
23	287	224	243	257	367	178	265	186	172	198	173	174
24	321	233	245	261	366	185	293	*187	175	172	170	179
25	275	229	248	258	366	186	258	188	176	32	177	190
26	*270	232	243	256	344	189	236	181	155	30	179	178
27	271	231	215	257	332	218	207	174	25	31	179	175
28	267	232	207	257	317	194	205	176	*83	30	187	175
29	269	231	190	258	-	229	192	189	30	63	175	177
30	276	226	192	261	-	279	247	177	25	195	179	175
31	313	-	191	247	-	295	-	172	-	165	179	-
Total	10,124	7,143	7,300	6,664	9,254	7,298	7,339	5,888	4,730	2,714	5,095	5,524
Mean	327	238	235	215	330	235	245	190	158	87.5	164	184
Cfsm	0.359	0.262	0.258	0.236	0.363	0.258	0.269	0.209	0.174	0.096	0.180	0.202
In.	0.41	0.29	0.30	0.27	0.38	0.30	0.30	0.24	0.19	0.11	0.21	0.23

Calendar year 1954: Max 1,050 Min 190 Mean 493 Cfsm 0.542 In. 7.35
Water year 1954-55: Max 544 Min 24 Mean 217 Cfsm 0.238 In. 3.23

* Discharge measurement made on this day.

ST. JOHNS RIVER BASIN

Oklawaha River near Ocala, Fla.

Location.--Lat 29°11', long 82°00', in sec. 15, T. 15 S., R. 23 E., on left bank 15 ft upstream from highway bridge known as Sharpes Ferry, 2 miles upstream from Silver River, and 9 miles east of Ocala.

Drainage area.--1,100 sq mi, approximately.

Records available.--February 1930 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 36.52 ft above mean sea level, datum of 1929, supplementary adjustment of 1937 (Corps of Engineers benchmark). Prior to Mar. 2, 1932, staff gage at same site and datum.

Average discharge.--25 years, 406 cfs.

Extremes.--Maximum discharge during year, 673 cfs Oct. 9 (gage height, 2.88 ft); minimum, 33 cfs July 7 (gage height, -1.50 ft).

1930-55: Maximum discharge, 1,810 cfs June 15, 1934; maximum gage height, 5.52 ft Sept. 6, 1933; minimum discharge, that of July 7, 1955; minimum gage height, -1.76 ft Aug. 2, 1932.

Remarks.--Records good. Some diurnal fluctuation and slight regulation at low flow caused by powerplant at Moss Bluff, 12 miles above station. Large seepage losses above station during prolonged periods of low flow.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 8-25)

Oct. 1 to Jan. 16		Jan. 17 to Sept. 30	
0.1	196	-1.5	33
1.0	302	0	216
2.0	453	2.0	489
3.0	713		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	285	*289	248	208	277	314	280	258	156	39	117	189
2	281	267	260	211	263	316	275	208	157	138	68	244
3	278	267	253	215	255	322	267	187	157	172	63	270
4	274	277	248	207	255	309	294	180	153	175	60	293
5	270	277	247	207	253	298	279	178	156	94	80	287
6	267	277	273	211	255	300	285	178	166	48	147	272
7	263	278	293	209	264	298	228	184	156	45	194	243
8	365	272	281	215	320	286	249	204	155	56	126	216
9	641	253	*276	217	338	271	*257	193	157	137	79	241
10	620	253	275	211	346	236	243	180	159	186	72	247
11	558	255	281	204	384	237	199	178	165	118	68	238
12	507	270	272	200	416	226	221	177	202	65	68	262
13	471	259	252	207	394	243	220	172	205	51	252	250
14	440	266	270	199	398	239	254	174	198	44	317	221
15	425	276	240	196	394	229	279	182	197	41	*272	206
16	402	306	257	205	379	229	259	183	177	139	233	210
17	383	275	259	*209	373	212	243	177	184	179	200	229
18	380	267	272	203	370	208	224	174	182	102	191	232
19	382	277	263	225	364	209	268	173	179	56	194	221
20	358	277	263	212	360	228	260	192	174	46	257	214
21	322	275	254	206	357	209	257	184	167	48	275	219
22	301	271	259	212	367	222	236	186	167	55	242	215
23	296	276	253	246	367	206	234	*179	166	145	197	225
24	311	296	258	294	353	237	255	174	165	191	183	211
25	296	277	253	297	375	230	241	172	163	112	197	206
26	287	264	249	271	375	224	226	169	168	67	239	203
27	293	259	243	264	338	220	221	162	93	58	217	*203
28	284	257	247	294	*325	222	199	160	*54	57	228	194
29	284	285	225	274	-	241	197	162	76	61	220	194
30	298	263	218	263	-----	259	202	163	48	150	199	192
31	303	-----	211	271	-----	276	-----	157	-----	191	197	-----
Total	11,125	8,161	7,953	7,063	9,515	7,756	7,352	5,600	4,702	3,086	5,432	6,847
Mean	359	272	257	228	340	250	245	181	157	98.9	175	228
Cfsm	0.326	0.247	0.234	0.207	0.309	0.227	0.223	0.165	0.143	0.090	0.159	0.207
In.	0.38	0.28	0.27	0.24	0.32	0.26	0.25	0.19	0.16	0.10	0.18	0.23

Calendar year 1954: Max 1,150 Min 211 Mean 512 Cfsm 0.465 In. 6.33
Water year 1954-55: Max 641 Min 39 Mean 232 Cfsm 0.211 In. 2.86

* Discharge measurement made on this day.

Silver Springs near Ocala, Fla.

Location--Measuring point for discharge measurements at lat 29°13', long 82°02', in sec. 6, T. 15 S., R. 23 E., 300 ft downstream from Paradise Landing, 0.7 mile downstream from head of springs, and 6.0 miles northeast of Ocala.

Records available--January to December 1907 (gage heights only), January 1933 to September 1947 (monthly discharge only), October 1947 to September 1955.

Gage--Water-stage recorder on Sharpes Ferry artesian well about 400 ft east of Oklawaha River, 2 miles upstream from Silver River, and 4.2 miles southeast of head of springs. Datum of gage is 42.36 ft above mean sea level, datum of 1929, supplementary adjustment of 1937 (Corps of Engineers benchmark). Prior to July 22, 1947, staff gage at same site and datum. Supplementary water-stage recorder at head of springs in boat repair basin. Datum of gage is 38.96 ft above mean sea level, datum of 1929. Prior to Feb. 20, 1947, staff gage at same site and datum.

Average discharge--22 years, 831 cfs.

Extremes--Maximum daily discharge during year, 784 cfs Oct. 29; maximum gage height at head of springs, 1.64 ft Oct. 9; minimum daily discharge, 643 cfs Aug. 19; minimum gage height at head of springs, -0.17 ft July 7.
1933-55: Maximum daily discharge, 1,150 cfs Nov. 2-4, 1950; maximum gage height observed at head of springs, 5.50 ft Sept. 6, 1933; minimum daily discharge, 627 cfs Mar. 31, Apr. 1, 1933; minimum gage height at head of springs, that of July 7, 1955.

Remarks--Records excellent. Surface inflow between head of springs and measuring site is negligible. Discharge computed from relation between artesian pressure at Sharpes Ferry well and discharge at measuring point.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	759	769	746	728	709	704	689	672	658	648	645	645
2	760	772	753	726	711	703	694	672	658	647	646	647
3	759	769	753	724	707	701	694	671	657	646	647	647
4	759	773	748	726	703	701	688	672	657	646	646	646
5	759	776	751	729	707	699	685	673	658	647	645	647
6	759	772	755	728	711	701	686	673	658	647	646	648
7	756	768	740	724	711	701	688	671	657	648	648	650
8	759	767	739	722	708	695	685	670	658	646	649	649
9	765	767	744	723	704	695	681	668	656	646	648	648
10	768	767	742	724	706	698	682	667	654	647	648	648
11	770	767	739	722	708	699	685	668	653	648	648	649
12	771	768	742	717	698	698	684	668	652	646	647	650
13	770	769	748	718	697	697	684	668	650	644	646	649
14	777	772	746	713	704	*695	682	668	650	645	644	650
15	781	772	742	716	707	695	682	668	650	647	645	653
16	789	772	736	720	708	695	682	669	652	647	648	653
17	766	770	739	718	708	693	681	669	654	647	647	654
18	769	767	742	719	707	694	680	666	653	646	644	655
19	775	767	738	715	706	693	680	665	652	646	645	656
20	777	766	735	707	704	692	680	664	650	*646	644	656
21	777	760	735	710	703	694	681	664	650	646	644	654
22	774	758	736	714	704	694	682	662	650	646	645	654
23	771	760	736	715	703	688	681	662	649	646	646	655
24	773	758	735	713	701	690	680	663	648	646	646	656
25	777	756	731	705	700	694	680	664	649	646	645	655
26	778	753	730	706	700	694	680	663	650	645	644	654
27	779	755	730	712	701	685	678	661	648	646	646	654
28	781	757	733	712	703	688	674	660	647	647	646	656
29	784	750	*733	709	-	690	673	661	647	649	646	657
30	778	742	729	706	-----	686	672	662	648	649	646	657
31	772	-----	728	705	-----	688	-----	660	-----	647	645	-----
Total	23,872	22,959	22,934	22,226	19,739	21,540	20,473	20,664	19,573	20,043	20,023	19,552
Mean	770	765	740	717	705	695	682	667	652	647	646	652
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 1,040 Min 728 Mean 844 Cfsm - In. -
Water year 1954-55: Max 784 Min 643 Mean 695 Cfsm - In. -

* Discharge measurement made on this day.

Orange Lake Outlet near Citra, Fla.

Location.--Lat 29°26', long 82°07', in sec. 21, T. 12 S., R. 22 E., on left bank 15 ft upstream from bridge on U. S. Highway 301 and State Highway 200, 0.8 mile south of Island Grove, and 1.5 miles north of Citra.

Drainage area.--Indeterminate. Total drainage area of Orange Lake Outlet and Lochloosa Lake Outlet above highway is 323 sq mi.

Records available.--January 1947 to September 1955 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 53.41 ft above mean sea level, datum of 1929. Prior to Mar. 27, 1947, staff gage at same site and datum.

Average discharge.--8 years, 113 cfs.

Extremes.--Maximum discharge during year, 9.9 cfs Oct. 8 (gage height, 3.04 ft); no flow May 7 to Sept. 30.

1947-55: Maximum discharge, 677 cfs Mar. 17-24, 1948; maximum gage height, 7.81 ft Mar. 17, 1948; no flow May 7 to Sept. 30, 1955.

Maximum discharge measured, 976 cfs Nov. 10, 1941.

Remarks.--Records fair. Orange and Lochloosa Lakes are connected by Cross Creek through which there may be a natural diversion from one lake to the other.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.5	0	2.2	.8
1.6	.1	2.3	1.2
1.8	.2	2.5	2.6
2.0	.4	2.7	4.5
2.1	.5	3.0	9.2

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.2	4.8	2.7	2.2	1.9	2.2	0.7	0.1				
2	8.0	4.5	2.7	2.1	1.8	2.2	.7	.1				
3	7.6	4.5	2.6	2.0	1.8	2.2	.7	.1				
4	7.2	4.3	2.6	2.0	1.8	2.2	.6	.1				
5	7.2	4.3	2.4	2.0	1.7	2.1	.6	.1				
6	6.9	4.2	*3.1	2.0	1.6	2.0	.6	.1				
7	6.7	4.2	3.0	2.0	1.7	2.0	.6	0				
8	8.7	4.0	2.8	2.0	2.0	2.0	.5	0				
9	9.0	3.9	2.8	1.8	2.0	1.8	.5	0				
10	8.5	3.9	2.7	1.8	2.0	1.8	.5	0				
11	8.2	3.9	2.6	1.8	2.6	1.6	.5	0				
12	8.4	4.0	2.5	1.7	2.7	1.6	.5	0				
13	8.4	4.0	2.8	1.6	2.8	1.5	*.5	0				
14	8.2	3.9	3.2	1.6	2.7	1.4	.6	0				
15	8.4	3.8	3.1	1.4	2.7	1.4	.5	0		(*)		
16	8.2	3.8	3.0	1.4	2.7	1.3	.4	0				
17	8.0	3.8	2.8	1.3	2.7	1.3	.4	0				
18	7.6	3.8	3.0	1.4	a2.7	1.2	.4	0				
19	7.4	3.7	3.0	1.5	a2.6	1.1	.3	0			(*)	
20	7.2	3.7	2.9	1.4	a2.6	1.0	.3	0				
21	6.9	3.6	2.8	*1.3	a2.5	1.0	.3	0				
22	6.7	3.4	2.7	1.2	a2.5	1.0	.3	0				
23	6.4	3.6	2.6	1.6	a2.4	1.0	.2	0				
24	6.2	3.4	2.6	2.7	a2.4	.9	.2	0				
25	*6.1	3.3	2.5	2.6	a2.4	.9	.2	0				
26	5.6	3.1	2.4	2.4	a2.3	.8	.2	0				
27	5.6	3.0	2.4	2.3	a2.3	.8	.2	*0				
28	5.5	2.8	2.4	2.1	a2.2	.8	.2	0				(*)
29	5.5	2.8	2.4	2.0	-	1.1	.2	0				
30	5.3	2.8	2.3	2.0	-----	.9	.1	0				
31	5.2	-----	2.2	1.9	-----	.8	-----	0	-----			-----
Total	223.0	112.8	83.6	57.1	64.1	43.9	12.5	0.6	0	0	0	0
Mean	7.19	3.76	2.70	1.84	2.29	1.42	0.42	0.02	0	0	0	0
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	432			Min	2.2	Mean	92.0	Cfsm	-	In.	-	
Water year 1954-55: Max	9.0			Min	0	Mean	1.64	Cfsm	-	In.	-	

* Discharge measurement or observation of no flow made on this day.
a No gage-height record; discharge interpolated.

Lochloosa Lake Outlet near Lochloosa, Fla.

Location.--Lat 29°29'10", long 82°06'10", in sec. 3, T. 12 S., R. 22 E., on right bank at upstream side of wing wall of culvert on U. S. Highway 301 and State Highway 200, 1.3 miles south of Lochloosa and 2.4 miles north of Island Grove.

Drainage area.--Indeterminate. Total drainage area of Orange Lake Outlet and Lochloosa Lake Outlet above highway is 323 sq mi.

Records available.--January 1947 to September 1955 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 55.41 ft above mean sea level, datum of 1929. Prior to Mar. 28, 1947, staff gage at same site and datum.

Average discharge.--8 years, 29.6 cfs.

Extremes.--No flow during year.

1947-55: Maximum discharge, 341 cfs Mar. 12, 13, 1948 (gage height, 6.04 ft); no flow for many days.

Remarks.--Orange and Lochloosa Lakes are connected by Cross Creek through which there may be a natural diversion of flow from one lake to the other. No flow since July 27, 1954. Calendar year figures for 1954 are: maximum daily discharge, 97 cfs Jan. 6; mean, 13.2 cfs.

Oklawaha River at Riverside Landing, near Orange Springs, Fla.

Location.--Lat 29°30', long 81°48', in sec. 33, T. 11 S., R. 25 E., on right bank near boat dock at Riverside Landing, 8½ miles east of Orange Springs.

Drainage area.--2,100 sq mi, approximately.

Records available.--October 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark).

Average discharge.--12 years, 2,129 cfs.

Extremes.--Maximum discharge during year, 1,870 cfs Oct. 16 (gage height, 5.90 ft); minimum, 836 cfs Aug. 13; minimum gage height, 3.82 ft July 22.

1943-55: Maximum discharge, 7,320 cfs Sept. 10, 1950 (gage height, 9.50 ft); minimum, that of Aug. 13, 1955; minimum gage height, that of July 22, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used Aug. 10-22)

3.7	818
5.2	1,350
6.0	1,990

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,460	1,340	1,300	1,240	1,300	1,290	1,170	1,050	972	965	969	1,040
2	1,460	1,330	1,300	1,230	1,290	1,280	1,160	1,040	972	951	976	1,150
3	1,450	1,330	1,300	1,230	1,280	1,260	1,170	1,050	969	940	940	1,170
4	1,430	1,330	1,300	1,220	1,260	1,240	1,160	1,050	965	954	892	1,150
5	1,400	1,320	1,300	1,220	1,260	1,230	1,150	1,040	958	*965	870	1,150
6	1,350	1,320	*1,330	1,210	1,250	1,230	1,160	1,020	958	951	850	1,160
7	1,320	1,310	1,350	1,210	1,280	1,220	1,150	1,020	958	898	853	1,160
8	1,500	1,310	1,360	1,210	1,340	1,210	*1,140	1,010	954	874	895	1,150
9	1,720	1,320	1,360	1,210	1,390	1,210	1,110	1,010	944	912	909	1,150
10	1,790	1,350	1,350	1,210	1,400	1,200	1,100	1,010	948	958	870	1,140
11	1,750	1,390	1,340	1,210	1,440	1,190	1,110	1,010	990	1,020	846	1,140
12	1,730	1,400	1,330	1,200	1,480	1,170	1,120	998	994	1,080	839	1,150
13	1,750	1,400	1,330	1,200	1,490	1,150	1,110	994	976	1,050	839	1,170
14	1,810	1,400	1,360	1,190	1,480	1,140	1,170	983	976	983	867	1,180
15	1,860	1,400	1,360	1,190	1,470	1,140	1,170	987	972	937	*948	1,200
16	1,860	1,400	1,350	1,190	1,460	1,140	1,160	998	980	923	983	1,210
17	1,830	1,400	1,330	*1,190	1,440	1,130	1,150	1,010	994	923	990	1,210
18	1,770	1,390	1,330	1,200	1,410	1,120	1,140	1,020	1,010	954	976	1,260
19	1,710	1,380	1,330	1,240	1,400	1,110	1,120	1,020	1,040	954	954	1,260
20	1,640	1,370	1,320	1,230	1,380	1,100	1,100	1,020	1,020	906	972	1,230
21	1,590	1,360	1,310	1,230	1,370	1,100	1,100	1,040	1,000	874	976	1,210
22	1,550	1,340	1,300	1,230	1,350	1,110	1,090	1,050	983	864	980	1,190
23	1,510	1,370	1,300	1,260	1,330	1,110	1,080	*1,050	969	874	980	1,190
24	1,480	1,370	1,290	1,400	1,320	1,120	1,080	1,040	962	930	965	1,180
25	*1,450	1,350	1,290	1,510	1,310	1,130	1,060	1,020	969	998	969	1,160
26	1,430	1,340	1,290	1,540	1,310	1,130	1,060	1,010	969	983	1,040	1,160
27	1,400	1,330	1,290	1,500	1,300	1,120	1,050	1,020	972	934	1,040	*1,160
28	1,380	1,330	1,290	1,440	1,300	1,130	1,050	1,040	980	892	1,040	1,160
29	1,370	1,320	1,280	1,390	-	1,210	1,050	1,020	954	860	1,030	1,160
30	1,360	1,310	1,270	1,350	-----	1,210	1,040	994	940	856	1,020	1,150
31	1,350	-----	1,260	1,320	-----	1,190	-----	983	-----	892	1,020	-----
Total	48,460	40,610	40,800	39,400	38,070	36,320	33,490	31,587	29,248	29,055	29,298	35,150
Mean	1,563	1,354	1,316	1,271	1,360	1,172	1,116	1,019	975	937	945	1,172
Cfs/m	0.744	0.645	0.627	0.605	0.648	0.558	0.531	0.485	0.464	0.446	0.450	0.558
In.	0.86	0.72	0.72	0.70	0.67	0.64	0.59	0.56	0.52	0.51	0.52	0.62

Calendar year 1954: Max 4,560 Min 1,240 Mean 1,967 Cfs/m 0.937 In. 12.73
Water year 1954-55: Max 1,860 Min 839 Mean 1,182 Cfs/m 0.563 In. 7.63

* Discharge measurement made on this day.

ST. JOHNS RIVER BASIN

Little Haw Creek near Seville, Fla.

Location.--Lat 29°19', long 81°23', in sec. 32, T. 13 S., R. 29 E., on right bank 600 ft downstream from bridge on State Highway 305, 1.4 miles downstream from Lake Disston, and 6.4 miles east of Seville.

Drainage area.--120 sq mi, approximately.

Records available.--January 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 5.74 ft above mean sea level, datum of 1929. Prior to Jan. 5, 1953, at site 600 ft upstream at same datum.

Extremes.--Maximum discharge during year, 162 cfs Oct. 15 (gage height, 5.07 ft); minimum, 0.7 cfs June 15 (gage height, 1.02 ft).

1951-55: Maximum discharge, 1,490 cfs Sept. 24, 1953 (gage height, 8.72 ft); minimum, 0.2 cfs July 31, Aug. 1, 2, 1952.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 7 to Jan. 9, Jan. 24 to Feb. 13)

Oct. 1 to Feb. 13

Feb. 14 to Sept. 30

1.4	3.9	4.0	86	1.0	0.6	2.0	13
1.6	5.5	5.0	155	1.1	1.2	3.0	42
2.1	14	6.0	281	1.5	5.3	4.0	86
3.0	42						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	24	31	25	26	23	6.6	3.2	1.7	2.0	10	12
2	5.0	22	30	25	28	22	6.6	2.9	1.5	2.4	8.2	13
3	4.8	19	29	24	28	21	6.9	2.8	1.4	2.1	7.4	25
4	4.4	17	28	25	29	20	6.5	2.7	1.3	1.9	6.9	16
5	4.2	16	27	22	28	19	*6.1	2.6	1.2	1.7	*8.8	12
6	4.0	14	31	*21	29	18	5.9	2.5	1.1	1.8	6.8	10
7	4.1	13	32	21	30	16	5.8	2.3	1.0	2.1	6.9	9.8
8	55	12	28	20	40	15	5.2	2.3	1.0	2.0	7.4	11
9	56	11	27	20	38	13	5.1	2.2	.8	2.3	7.7	10
10	93	14	27	19	36	12	4.9	2.2	.9	2.3	7.8	8.8
11	139	19	24	19	39	11	5.0	2.1	1.4	2.9	7.4	8.1
12	153	17	24	18	40	10	7.5	1.9	1.2	3.3	6.9	*7.7
13	145	15	24	17	*35	10	6.8	1.8	.9	3.3	7.8	6.9
14	*138	28	29	16	31	9.6	11	1.7	.8	3.1	13	6.3
15	159	37	28	15	*30	9.1	13	2.5	1.6	3.0	13	6.1
16	149	33	26	15	30	8.8	9.8	2.5	1.8	12	14	6.2
17	132	36	24	15	31	8.4	7.8	2.3	2.3	9.4	11	6.1
18	121	40	28	15	31	7.9	7.1	*3.3	1.6	6.3	8.8	11
19	113	43	30	18	31	7.4	6.7	4.4	1.7	5.8	10	9.3
20	105	42	28	16	31	7.1	6.3	3.3	1.5	5.5	17	7.3
21	95	40	25	15	30	6.8	6.1	3.4	1.3	5.8	28	6.8
22	85	37	24	15	30	6.8	6.0	4.1	1.1	6.0	21	6.8
23	75	44	24	17	30	6.8	5.5	3.3	1.1	6.0	18	6.2
24	67	45	24	25	29	6.9	5.2	3.0	*1.1	6.0	30	6.8
25	59	42	24	28	28	7.3	5.0	2.9	1.1	9.4	36	6.8
26	53	38	24	25	27	8.4	4.5	3.4	1.1	8.1	38	6.6
27	46	*36	24	24	25	8.5	4.2	2.8	1.0	7.4	31	5.9
28	41	35	26	25	24	7.5	3.9	2.5	1.1	7.5	25	23
29	37	34	27	25	-	12	3.7	2.2	2.5	6.8	21	56
30	34	33	27	25	-----	8.2	3.4	2.0	2.9	6.5	16	22
31	28	-----	26	26	-----	7.1	-----	1.8	-----	6.0	14	-----
Total	2,209.3	856	850	654	864	354.6	188.1	82.9	41.0	150.7	463.8	349.3
Mean	71.3	26.5	26.9	20.5	30.9	11.4	6.27	2.67	1.37	4.86	15.0	11.6
Cfsm	0.594	0.238	0.223	0.171	0.258	0.095	0.052	0.022	0.011	0.040	0.125	0.087
In.	0.68	0.27	0.26	0.20	0.27	0.11	0.06	0.03	0.01	0.05	0.14	0.11
Calendar year 1954: Max	319			Min 3.0		Mean 31.9	Cfsm 0.266	In. 3.62				
Water year 1954-55: Max	159			Min 0.8		Mean 19.2	Cfsm 0.160	In. 2.19				

* Discharge measurement made on this day.

South Fork Black Creek near Penney Farms, Fla.

Location (revised).--Lat 29°58'45", long 81°51'08", in NE $\frac{1}{4}$ sec. 13, T. 6 S., R. 24 E., on right bank at upstream side of bridge on State Highway 16, 0.7 mile downstream from Greens Creek, $2\frac{1}{2}$ miles west of Penney Farms, and $9\frac{1}{2}$ miles west of Green Cove Springs.

Drainage area.--134 sq mi.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 9.82 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 18, 1940, staff gage at same site and datum.

Average discharge.--16 years, 158 cfs.

Extremes.--Maximum discharge during year, 608 cfs Sept. 13 (gage height, 8.02 ft); minimum, about 9.4 cfs June 24 (occurred during period of no gage-height record).

1939-55: Maximum discharge, 13,900 cfs Oct. 19, 1944 (gage height, 26.33 ft, from floodmarks), from rating curve extended above 8,000 cfs; minimum, that of June 24, 1955; minimum gage height, 0.52 ft Aug. 18, 1954.

Remarks.--Records good except those for period of no gage-height record, which are poor.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 29, 30)

Oct. 1-9		Oct. 10 to Mar. 28		Mar. 29 to Sept. 30	
1.0	32	0.9	25	0.6	7.4
2.0	83	1.0	28	1.2	29
3.0	149	2.0	77	1.8	57
6.0	422	3.0	149	3.0	147
		6.0	422	7.0	514

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	28	28	33	68	51	47	17	18	a20	a52	26
2	38	28	28	33	85	49	42	17	17		a44	22
3	37	28	28	33	63	48	60	17	16		38	205
4	36	28	27	*32	60	46	52	17	15		*30	270
5	35	28	27	32	57	45	43	17	14		27	209
6	34	30	30	32	55	44	39	17	13	a16	24	129
7	36	28	34	31	161	43	36	16	13		28	84
8	212	28	34	31	362	41	34	16	13		25	63
9	384	28	33	30	323	39	32	15	12		22	54
10	246	28	32	30	199	39	30	16	12		21	52
11	172	31	30	30	200	39	30	16	13	a69	20	50
12	130	33	30	29	299	38	29	14	16		18	100
13	*97	34	34	29	283	37	28	13	16		19	*418
14	78	34	73	28	188	36	34	12	13		22	466
15	77	34	51	28	143	36	59	13	13		40	273
16	62	34	41	28	120	35	51	*16	13	a43	46	168
17	54	35	38	36	*105	34	38	20	14		30	161
18	48	36	44	51	94	34	32	19	16		24	235
19	42	34	50	77	85	33	29	19	14		22	163
20	39	32	44	68	78	32	26	22	13		20	110
21	36	30	40	51	72	32	25	24	12	a29	20	76
22	34	29	38	45	68	33	24	27	11		19	56
23	32	34	37	59	64	37	23	27	*10		18	44
24	31	*39	36	218	60	34	21	26	26		18	38
25	31	35	36	292	58	34	21	23	25		20	34
26	32	32	36	229	56	33	19	20	a24	a79	33	32
27	30	31	36	163	55	30	18	18			32	47
28	32	30	37	122	53	*33	18	17			28	58
29	30	29	36	100	-	114	18	17			24	53
30	31	28	35	85	-----	93	17	26			21	46
31	29	-----	34	76	-----	63	-----	24	-----	-----	20	-----
Total	2,245	936	1,137	2,161	3,494	1,335	975	578	485	1,358	825	3,802
Mean	72.4	31.2	36.7	69.7	125	43.1	32.5	18.6	16.2	43.8	26.6	127
Cfsm	0.540	0.233	0.274	0.520	0.933	0.522	0.243	0.139	0.121	0.327	0.199	0.948
In.	0.62	0.26	0.32	0.60	0.97	0.37	0.27	0.16	0.13	0.38	0.23	1.06

Calendar year 1954: Max 384 Min 19 Mean 60.2 Cfsm 0.449 In. 6.11
Water year 1954-55: Max 466 Min - Mean 53.0 Cfsm 0.396 In. 5.37

Peak discharge (base, 1,300 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of 5 observer's readings and records for North Fork Black Creek near Middleburg.

North Fork Black Creek near Middleburg, Fla.

Location (revised).--Lat 30°06'47", long 81°54'24", in NE $\frac{1}{4}$ sec. 33, T. 4 S., R. 24 E., at left bank a third of a mile upstream from Big Branch, 4 miles northwest of Middleburg, and 6 $\frac{1}{2}$ miles upstream from confluence with South Fork.

Drainage area.--174 sq mi.

Records available.--November 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 0.62 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Mar. 29, 1933, staff gage at site three-eighths of a mile downstream at different datum. Mar. 29, 1933, to Apr. 28, 1955, staff gage at present site and datum.

Average discharge.--23 years (1932-55), 169 cfs.

Extremes.--Maximum discharge during year, 819 cfs Sept. 15 (gage height, 8.62 ft); minimum, 5.0 cfs June 23, 24; minimum gage height, 0.62 ft June 23, 24, Aug. 23, 24.
1931-55: Maximum discharge, 10,400 cfs Oct. 19, 1944 (gage height, 23.76 ft, from floodmark), from rating curve extended above 5,000 cfs; minimum observed, 3.6 cfs June 8, 1935 (gage height, 0.26 ft).
Maximum stage known, 25.3 ft in June 1919, from information by old resident (discharge, 15,000 cfs, from rating curve extended above 5,000 cfs).

Remarks.--Records good except those affected by seasonal high tides, which are fair.

Revisions (water years).--WSP 852: 1933(M). WSP 1234: Drainage area.

Rating table, water year 1954-55, except period of tide effect (gage height, in feet, and discharge, in cubic feet per second)

0.6	5.0	1.5	58
.8	13	4.0	276
1.0	23	9.0	872

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	16	20	31	66	37	64	13	17	27	47	12
2	54	16	19	30	58	34	56	13	14	23	43	54
3	40	15	19	29	54	34	53	12	13	18	*36	62
4	33	15	19	29	52	33	46	12	11	14	29	54
5	28	15	18	*28	48	32	*30	12	10	11	25	48
6	23	17	21	28	45	31	36	11	9.0	10	22	48
7	20	18	26	26	102	30	33	11	8.6	12	23	45
8	114	17	28	26	325	29	31	11	8.2	17	18	39
9	305	17	27	25	422	28	29	10	7.9	15	15	23
10	215	17	25	23	375	28	27	10	7.5	25	14	23
11	131	18	29	24	287	26	28	9.5	8.2	25	13	23
12	*94	19	27	24	250	26	27	9.0	9.0	28	9.0	42
13	72	20	28	24	216	26	25	8.6	8.2	35	12	*160
14	66	21	43	22	171	25	33	8.6	7.2	127	15	521
15	154	25	50	22	140	25	55	12	8.6	112	16	773
16	140	31	40	23	*115	24	55	*29	11	76	18	503
17	85	27	37	28	97	24	44	28	14	55	14	312
18	64	25	45	38	82	24	a31	26	12	37	10	263
19	48	23	64	62	74	24	a26	24	11	28	8.2	273
20	39	22	53	73	65	22	25	21	10	22	7.5	222
21	31	22	48	62	58	22	a24	25	9.0	18	6.8	141
22	24	20	44	57	52	22	a21	29	*7.2	18	6.4	91
23	25	*21	40	68	50	24	a18	35	5.4	34	6.1	63
24	23	24	38	213	46	24	a16	32	5.4	41	5.7	49
25	21	25	35	314	44	25	a15	25	6.1	35	8.2	40
26	20	22	34	316	42	24	15	22	14	45	14	35
27	19	23	33	238	40	22	14	21	32	52	20	55
28	18	22	38	178	39	24	14	46	34	59	23	101
29	17	21	37	131	--	80	14	34	34	90	19	93
30	17	20	34	96	-----	95	14	26	26	68	14	65
31	17	-----	33	79	-----	72	-----	22	-----	49	11	-----
Total	2,035	614	1,052	2,367	3,415	996	928	607.7	378.5	1,226	528.9	4,237
Mean	65.6	20.5	33.9	76.4	122	32.1	30.9	19.6	12.6	39.5	17.1	141
Cfsm	0.377	0.118	0.195	0.439	0.701	0.184	0.178	0.113	0.072	0.227	0.098	0.810
In.	0.43	0.13	0.22	0.51	0.73	0.21	0.20	0.13	0.08	0.26	0.11	0.91

Calendar year 1954: Max 493

Min 3.9

Mean 48.0

Cfsm 0.276

In. 3.74

Water year 1954-55: Max 775

Min 5.4

Mean 50.4

Cfsm 0.290

In. 3.92

Peak discharge (base, 1,300 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for South Fork Black Creek near Penney Farms.

Note.--Stage-discharge relation affected by seasonal high tides Oct. 21, 22, 26-29, Nov. 11-15, May 3, 4, Aug. 11-19, Sept. 2-5, 10, 11, 17-23, 27-30.

Moultrie Creek near St. Augustine, Fla.

Location.--Lat 29°49'40", long 81°21'00", in sec. 11, T. 8 S., R. 29 E., on right bank 6 ft downstream from bridge on Kings Road, 0.4 mile upstream from Fort Peyton Branch, and 5 miles southwest of St. Augustine.

Drainage area.--23.3 sq mi.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder and wooden control. Datum of gage is 2.17 ft above mean sea level, datum of 1929.

Average discharge.--16 years, 23.5 cfs.

Extremes.--Maximum discharge during year, 53 cfs Jan. 26 (gage height, 4.28 ft); minimum, 0.4 cfs on several days in May and June.

1939-55: Maximum discharge, 1,370 cfs Oct. 21, 1941 (gage height, 9.31 ft); minimum, 0.2 cfs May 18, 22, 26, 30, June 1, 2, 1945.

Remarks.--Records good.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1954-55 (gage-height, in feet, and discharge, in cubic feet per second)

2.4	0.1	2.9	9.1
2.5	.5	3.2	22
2.6	1.2	3.5	37
2.7	2.6	4.1	50

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	0.7	1.0	2.3	2.9	10	4.6	1.7	0.6	0.6	1.6	1.8	1.4
3	.7	1.0	2.3	2.6	9.1	4.3	1.4	.6	.5	1.2	1.6	1.2
4	.7	1.0	2.1	2.6	8.0	4.0	1.2	.6	.4	1.0	1.4	1.2
5	.6	1.0	1.8	2.4	7.2	4.0	1.1	.5	.4	.8	*1.1	1.7
6	.6	1.0	1.7	*2.3	6.6	3.7	*1.0	.5	.4	.8	1.0	1.9
7	.6	1.0	2.1	2.1	6.2	3.4	1.0	.5	.4	.7	.9	1.6
8	1.2	1.1	2.6	2.1	9.5	2.9	.9	.4	.4	1.6	.8	1.4
9	8.0	1.0	2.4	1.9	23	2.4	.8	.4	.4	.6	.8	1.4
10	2.4	.9	2.3	1.8	29	2.3	.8	.5	.4	.8	.8	1.2
11	1.8	3.4	2.1	1.8	24	2.1	.8	.5	.4	1.6	.7	1.2
12	4.2	8.0	2.1	1.8	25	1.9	1.3	.4	.5	1.1	.7	1.2
13	2.9	6.6	1.9	1.8	30	1.8	1.6	.4	.5	1.7	.6	*2.1
14	*2.1	6.6	1.9	1.8	24	1.6	1.2	.5	.4	3.2	.6	2.1
15	1.9	12	2.4	1.7	21	1.4	1.9	.4	.4	1.4	.9	1.8
16	3.7	21	2.6	1.7	18	1.4	2.3	.6	.4	1.4	1.9	1.8
17	2.1	22	2.3	1.6	15	1.2	1.6	1.1	.4	1.4	2.1	8.0
18	1.9	19	2.1	1.9	*13	1.2	1.2	*.9	.6	1.1	1.2	8.0
19	1.7	16	2.1	3.2	11	1.4	1.1	.8	.6	.9	1.1	18
20	2.3	13	2.3	7.2	9.9	1.2	1.0	.9	.6	.8	.9	26
21	2.9	11	2.3	7.6	9.1	1.2	.9	.8	.5	.8	.8	17
22	2.4	11	2.3	6.9	8.7	1.2	.8	1.1	.4	.8	.8	10
23	2.3	11	2.3	6.6	8.0	1.2	.8	1.2	.4	.7	.8	6.6
24	1.6	10	2.1	7.2	7.2	1.4	.8	1.0	.4	.7	1.2	4.6
25	1.6	*7.2	1.9	20	6.9	1.1	.7	.9	*.4	.8	2.6	4.0
26	1.4	4.9	1.9	46	6.2	1.1	.7	.8	.5	.8	3.6	3.4
27	1.2	4.3	1.9	50	5.9	1.1	.6	.7	.8	3.3	6.6	2.6
28	1.2	3.4	2.6	41	5.6	1.0	.6	.8	.8	9.1	5.6	2.3
29	1.1	3.2	3.7	28	5.3	1.4	.6	.9	3.6	7.2	4.0	2.6
30	1.1	2.9	3.7	19	-	3.7	.6	.9	2.3	6.2	2.4	2.6
31	1.0	2.6	3.4	15	-	2.4	.6	.6	1.4	3.4	1.8	2.1
Total	59.1	208.1	72.7	304.5	362.4	65.5	31.6	21.3	20.2	58.4	52.7	141.0
Mean	1.91	6.94	2.35	9.82	12.9	2.11	1.05	0.69	0.67	1.88	1.70	4.70
Cfs/m	0.082	0.298	0.101	0.421	0.554	0.091	0.045	0.029	0.081	0.073	0.202	0.23
In.	0.09	0.33	0.12	0.49	0.58	0.10	0.05	0.03	0.03	0.09	0.08	0.08

Calendar year 1954: Max 51 Min 0.3 Mean 3.80 Cfs/m 0.163 In. 2.22
 Water year 1954-55: Max 50 Min 0.4 Mean 3.83 Cfs/m 0.164 In. 2.22

Peak discharge (base, 350 cfs).--No peak above base.

* Discharge measurement made on this day.

SPRUCE CREEK BASIN

Spruce Creek near Samsula, Fla.

Location.--Lat 29°03', long 81°02', in sec. 1, T. 17 S., R. 32 E., on left bank 25 ft upstream from bridge on State Highway 40A, 1½ miles north of Samsula, and 9½ miles west of New Smyrna.

Drainage area.--32 sq mi, approximately.

Records available.--May 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 6.25 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 224 cfs Nov. 14 (gage height, 9.90 ft); minimum, 0.3 cfs on several days in May and June; minimum gage height, 3.86 ft May 11, 13, 14.

1951-55: Maximum discharge, 798 cfs Oct. 8, 1953 (gage height, 15.49 ft); minimum, 0.1 cfs for several days in 1951-52; minimum gage height, 3.60 ft Aug. 19, 1954.

Remarks.--Records fair. Some diversions for irrigation above station.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 1, 2, June 29 to July 4)

Oct. 1 to Nov. 15

Nov. 16 to June 30

July 1 to Sept. 30

4.3	1.3	4.8	6.8	3.88	0.3	4.8	3.2	3.8	0.4	4.6	5.1
4.4	1.8	5.0	12	4.0	.5	4.9	4.5	4.0	.8	4.8	8.1
4.5	2.5	7.0	84	4.5	1.4	5.0	6.6	4.2	1.6	5.0	12
4.6	3.6	9.0	173	4.6	1.7	5.5	23	4.4	2.9	7.0	84
				4.7	2.2	8.0	125				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.1	2.2	2.1	4.9	3.8	1.6	1.3	0.6	0.7	8.5	5.2	*3.2
2	12	2.0	2.0	4.4	*3.6	1.4	1.2	.6	.8	6.1	5.7	2.8
3	13	1.8	1.9	4.0	3.3	1.4	1.2	.5	.8	4.1	3.4	2.3
4	9.6	1.7	1.7	3.7	3.3	1.4	1.1	.5	.7	3.2	3.0	2.2
5	7.1	1.6	1.6	3.2	3.6	1.3	1.0	.5	.6	2.4	2.7	2.9
6	5.2	1.6	2.2	3.4	3.7	1.3	.9	.4	.6	2.0	1.8	3.3
7	4.1	1.5	3.7	3.3	5.1	1.2	.8	.4	.5	1.6	1.4	3.0
8	24	1.3	4.0	3.1	26	1.1	.8	.4	.4	3.2	1.2	78
9	90	1.3	3.8	2.9	20	1.0	.7	.4	.4	2.9	1.1	68
10	74	3.9	3.6	2.7	12	1.0	.7	.4	*.4	2.9	1.1	13
11	50	*9.6	3.2	2.7	11	1.0	1.7	.3	.6	3.3	.8	22
12	33	20	3.0	2.5	12	1.0	9.0	.4	.5	2.7	.7	19
13	22	13	3.0	2.3	8.3	.9	8.4	.3	.4	2.3	.7	12
14	17	120	3.8	2.2	6.0	.8	3.8	.4	.4	1.9	2.4	8.7
15	22	172	4.1	2.1	4.5	.8	3.0	.4	.4	1.5	6.5	7.5
16	15	115	3.8	2.1	3.8	.8	2.5	.6	.6	1.3	6.2	8.5
17	9.6	82	3.7	2.6	3.2	*.7	2.0	.7	.5	1.1	5.0	13
18	6.8	64	5.1	3.1	2.9	.7	1.6	.8	.5	1.0	3.5	26
19	5.2	44	7.5	3.7	2.9	.7	1.5	.8	.5	.8	2.6	31
20	4.1	29	6.9	3.7	2.7	.6	1.3	.8	.6	*.6	2.8	24
21	3.4	19	6.0	3.3	2.3	.6	1.2	1.3	.7	.5	2.7	16
22	2.9	13	*5.3	3.1	2.1	.6	1.1	2.2	.6	1.0	14	11
23	2.4	10	4.9	2.8	1.9	.6	1.0	2.6	.6	2.1	20	8.3
24	2.2	8.3	4.5	6.0	1.7	.8	1.0	2.1	.6	1.5	11	6.7
25	2.0	6.2	4.2	13	1.7	.9	.9	1.6	.7	1.9	8.1	5.4
26	1.9	4.5	4.2	13	1.8	1.0	.8	1.4	2.0	2.5	14	4.5
27	1.7	3.8	4.2	10	1.6	1.0	.8	1.2	2.2	1.6	21	3.8
28	1.7	3.2	5.3	8.9	1.6	1.1	.7	1.1	2.1	1.2	13	6.5
29	1.9	2.7	5.3	6.9	-	1.6	*.7	1.0	3.3	1.0	7.6	21
30	2.5	2.4	4.7	5.8	-----	1.6	.6	.9	8.0	.9	5.1	13
31	2.6	-----	4.7	4.7	-----	1.4	-----	.9	-----	3.4	3.8	-----
Total	455.0	760.6	124.0	140.1	156.4	31.9	50.3	26.5	31.7	71.0	178.1	444.6
Mean	14.7	25.4	4.00	4.52	5.59	1.03	1.68	0.85	1.06	2.29	5.75	14.8
Cfsm	0.459	0.784	0.125	0.141	0.175	0.032	0.052	0.027	0.033	0.072	0.180	0.462
In.	0.53	0.88	0.14	0.16	0.18	0.04	0.06	0.03	0.04	0.08	0.21	0.52

Calendar year 1954: Max 172 Min 0.4 Mean 6.33 Cfsm 0.198 In. 2.68

Water year 1954-55: Max 172 Min 0.3 Mean 6.77 Cfsm 0.212 In. 2.87

Peak discharge (base, 400 cfs).--No peak above base.

* Discharge measurement made on this day.

INDIAN RIVER BASIN

Ellis Canal near Indian River City, Fla.

Location.--Lat 28°32'05" long 80°48'01", in Delespine Grant, Brevard County, near center of span on downstream side of bridge, 1 mile upstream from Indian River and 1½ miles south of Indian River City.

Records available.--September 1954 to September 1955 (discharge measurements only).

Gage.--Reference point. Observations of stage below reference point made only when discharge measurements are made.

Extremes.--1954-55: Maximum discharge measured, 11.2 cfs Sept. 27, 1954; minimum measured, 1.68 cfs June 6, 1955.

Remarks.--Records include diversions from St. Johns River Marsh into Indian River. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge measurements, in cubic feet per second, September 1954 to September 1955

Sept. 27.....	11.2	Jan. 31.....	2.68	June 6.....	1.68
Nov. 8.....	2.82	Mar. 15.....	2.26	July 19.....	2.78
Dec. 13.....	2.74	Apr. 25.....	1.97	Aug. 29.....	2.30

Crane Creek at Melbourne, Fla.

Location.--Lat 28°04'42", long 80°37'48", in sec. 4, T. 28 S., R. 37 E., on right bank 84 ft upstream from bridge on U. S. Highway 192, 1½ miles west of the city hall in Melbourne, and 2½ miles upstream from Indian River.

Drainage area.--12.6 sq mi.

Records available.--March 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 4.45 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 76 cfs Oct. 30 (gage height, 5.08 ft); minimum, 3.0 cfs June 16.

1951-55: Maximum discharge, 539 cfs Oct. 9, 1953 (gage height, 9.55 ft), from rating curve extended above 200 cfs on basis of velocity-area studies; minimum, 1.8 cfs June 25, 26, 27, 28, 1951.

Remarks.--Records fair. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 4-9, Apr. 21 to May 6)

Oct. 1-30		Oct. 31 to Feb. 3		Feb. 4 to Sept. 30			
3.4	13	3.3	6.7	2.9	2.8	3.5	16
4.0	33	3.5	11	3.0	4.0	4.0	33
5.0	72	4.0	29	3.2	7.1	4.3	44
		5.0	72				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	31	8.0	8.3	8.7	6.6	6.4	5.4	5.6	17	7.3	*5.0
2	19	23	7.8	8.1	8.1	6.4	5.7	5.1	5.1	12	6.6	5.7
3	24	17	7.4	8.1	*7.8	6.4	5.7	4.7	4.8	9.1	5.6	8.2
4	23	14	7.2	8.1	7.3	6.2	5.4	4.7	4.5	7.6	5.4	7.1
5	21	13	7.4	8.0	7.1	6.6	5.3	4.7	4.5	6.6	5.0	5.9
6	20	11	7.8	8.1	7.3	6.2	5.1	4.8	4.2	6.1	4.7	5.3
7	19	10	7.6	8.0	7.1	6.1	5.1	5.3	4.0	6.1	4.7	5.9
8	20	9.6	7.8	7.8	7.6	5.7	5.1	5.4	*4.0	5.9	5.0	13
9	41	8.9	7.8	8.0	8.0	5.4	5.6	5.1	3.8	5.6	4.7	19
10	40	8.7	7.6	8.3	8.0	5.3	5.1	4.7	3.6	5.3	4.7	17
11	32	9.2	7.6	8.1	8.7	5.1	5.6	4.5	3.7	6.4	4.5	12
12	27	9.8	7.6	7.6	9.9	5.0	6.4	4.7	4.8	9.9	4.1	8.9
13	24	9.8	8.5	7.8	13	5.3	5.9	4.7	4.8	7.3	4.0	8.0
14	30	21	*10	7.6	13	5.7	6.1	4.8	3.7	6.6	4.4	7.6
15		40	10	7.2	10	6.1	6.6	8.9	3.3	6.1	4.5	7.1
16	36	30	9.4	7.4	8.9	*6.2	6.2	6.8	3.1	5.7	4.7	6.9
17	28	*24	8.9	8.1	8.7	6.2	5.9	5.6	6.2	5.6	4.5	6.8
18	24	21	10	7.8	8.0	6.1	5.6	5.0	7.3	5.9	4.2	7.1
19	22	19	12	8.0	8.7	6.6	5.1	4.5	6.4	5.1	5.1	8.0
20	20	17	12	8.1	9.9	6.6	5.1	4.2	11	5.6	6.1	8.4
21	19	14	11	7.8	9.4	6.4	5.0	4.8	11	5.3	5.4	11
22	18	13	12	8.0	8.9	5.9	5.1	5.6	7.8	*5.1	5.6	19
23	17	12	11	7.6	8.2	5.7	5.1	6.1	6.2	5.4	5.7	16
24	16	11	10	12	7.6	7.5	5.4	5.7	11	5.6	5.6	12
25	15	10	10	24	6.9	8.2	6.1	5.1	12	6.2	5.3	11
26	14	9.4	9.4	20	6.6	6.8	*5.1	4.7	8.9	5.7	5.0	9.9
27	14	8.9	9.2	15	6.6	6.2	5.0	4.2	7.3	5.3	4.8	8.9
28	13	8.5	8.9	13	6.8	6.1	5.1	4.1	20	5.3	4.8	8.4
29	13	8.3	8.9	12	-	8.0	5.0	4.1	42	5.3	4.8	8.2
30	60	8.1	8.9	10	-----	7.6	5.6	4.2	25	4.8	5.4	8.7
31	47	-----	8.5	9.4	-----	6.9	-----	5.9	-----	6.0	5.0	-----
Total	781	450.2	280.2	297.3	236.8	195.1	165.5	159.1	249.6	205.5	157.2	286.0
Mean	25.2	15.0	9.04	9.59	8.46	6.29	5.52	5.10	8.32	6.63	5.07	9.53
Cfsm	2.00	1.19	0.717	0.761	0.671	0.499	0.438	0.405	0.660	0.526	0.402	0.756
In.	2.31	1.33	0.83	0.88	0.70	0.58	0.49	0.47	0.74	0.61	0.46	0.84

Calendar year 1954: Max 145 Min 4.5 Mean 15.2 Cfsm 1.21 In. 16.36
Water year 1954-55: Max 60 Min 3.1 Mean 9.49 Cfsm 0.753 In. 10.24

Peak discharge (base 100 cfs).--No peak above base.

* Discharge measurement made on this day.

INDIAN RIVER BASIN

Turkey Creek near Palm Bay, Fla.

Location.--Lat 28°00'46", long 80°36'28", in SE $\frac{1}{4}$ sec. 27, T. 28 S., R. 37 E., on left bank, 500 ft upstream from power line crossing, 2.2 miles southwest of Palm Bay, and 2.6 miles upstream from Indian River.

Drainage area.--95.5 sq mi.

Records available.--October 1954 to September 1955 (discharge measurements only).

Extremes.--1954-55: Maximum discharge measured, 144 cfs Oct. 2, 1954; minimum measured, 31.6 cfs Apr. 26, 1955.

Remarks.--Records do not include an undetermined amount of water diverted into the St. Johns River by pumps in the Melbourne-Tillman Drainage District.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 2.....	144	Apr. 26.....	31.6
Nov. 10.....	53.2	June 7.....	40.5
Dec. 15.....	47.8	July 22.....	55.2
Feb. 3.....	57.8	Aug. 30.....	68.3
Mar. 22.....	31.8		

Goat Creek near Valkaria, Fla.

Location.--Lat 27°58'01", long 80°33'57", in NW $\frac{1}{4}$ sec. 18, T. 29 S., R. 38 E., near left bank on downstream side of bridge, $1\frac{1}{2}$ miles west of Valkaria and 2 miles upstream from Indian River.

Drainage area.--12.0 sq mi.

Records available.--October 1954 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made.

Extremes.--1954-55: Maximum discharge measured, 13.4 cfs Oct. 1, 1954; minimum measured, 1.13 cfs July 21, 1955.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 1.....	13.4	Apr. 27.....	1.95
Nov. 11.....	5.18	June 9.....	1.25
Dec. 15.....	3.60	July 21.....	1.13
Feb. 3.....	5.37	Sept. 1.....	1.17
Mar. 17.....	2.30		

South Prong Sebastian Creek near Sebastian, Fla.

Location.--Lat 27°46'10", long 80°30'21", in SW $\frac{1}{4}$ sec. 23, T. 31 S., R. 38 E., on left bank at upstream side of bridge on State Highway 512, 4 miles southwest of Sebastian and 6 miles upstream from North Prong Sebastian Creek.

Records available.--October 1954 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made.

Extremes.--1954-55: Maximum discharge measured, 336 cfs Nov. 18, 1954; minimum measured, 12.1 cfs June 9, 1955.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 1.....	114	Apr. 27.....	21.0
Nov. 18.....	356	June 9.....	12.1
Dec. 16.....	29.2	July 21.....	19.8
Feb. 2.....	42.4	Aug. 31.....	23.8
Mar. 23.....	25.0		

North Prong Sebastian Creek near Micco, Fla.

Location.--Lat 27°51'21", long 80°31'28", in Fleming Grant, Brevard County, near the center of the downstream side of bridge, 2.2 miles southwest of Micco and 2.6 miles upstream from Sebastian Creek.

Drainage area.--56.0 sq mi.

Records available.--October 1954 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made.

Extremes.--1954-55: Maximum discharge measured, 223 cfs Oct. 1, 1954; minimum measured, 7.11 cfs June 9, 1955.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 1.....	223	Apr. 27.....	8.71
Nov. 18.....	85.4	June 9.....	7.11
Dec. 15.....	27.4	July 21.....	7.57
Feb. 2.....	19.4	Aug. 31.....	9.16
Mar. 17.....	8.87		

North Canal near Vero Beach, Fla.

Location.--Lat 27°41'32", long 80°24'53", in SE $\frac{1}{4}$ sec. 15, T. 32 S., R. 39 E., on left bank at upstream side of bridge on U. S. Highway 1, 3.9 miles north of Vero Beach.

Records available.--November 1950 to September 1955 in reports of Geological Survey.

January to September 1949 (gage heights only) collected by U. S. Soil Conservation Service, available in files of Geological Survey.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Feb. 27, 1952, at site 800 ft upstream at datum 0.81 ft lower.

Extremes.--Maximum discharge during year, 350 cfs Nov. 15 (gage height, 6.53 ft); minimum daily, 7 cfs on many days in May, August, and September.

1950-55: Maximum discharge, 895 cfs Oct. 8, 1953; maximum gage height, 9.6 ft Oct. 2, 1951, present datum, at site then in use, from graph based on fragmentary gage-height record; minimum daily discharge, 3 cfs July 1, 2, 1952.

Remarks.--Records poor. Considerable pumping into canal for drainage above station.

Since Sept. 7, 1954, low flow regulated by control dam 2 miles (revised) upstream.

Records of chemical analyses for the water year 1955 are published in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	12	15	*10	12	9	29	8	*10	60	50	7
2	120	12	14	10	11	5	35	8	10	*11	12	7
3	106	12	14	10	11	10	86	9	10	10	11	7
4	49	12	13	10	12	10	32	11	8	11	*10	7
5	*22	12	13	10	11	10	14	8	8	12	10	7
6	19	12	13	10	11	9	12	8	8	11	10	7
7	57	12	15	10	11	9	11	7	8	10	10	7
8	43	12	13	10	11	*9	10	7	8	14	10	7
9	169	12	13	10	11	9	10	7	8	24	10	7
10	214	12	12	10	11	9	10	7	8	9	10	7
11	142	12	12	10	11	9	10	*7	8	8	10	7
12	83	22	*12	10	11	9	9	7	10	*15	11	7
13	61	21	12	10	*11	9	9	7	13	8	19	7
14	58	111	12	10	12	9	9	7	11	8	32	7
15	74	247	11	10	12	10	10	7	9	8	84	7
16	52	124	11	10	11	10	17	8	9	8	39	*7
17	42	103	11	11	14	9	14	10	10	8	25	7
18	37	73	16	11	26	9	11	8	10	8	13	7
19	34	57	14	11	22	9	*10	8	10	9	34	27
20	32	49	12	11	16	9	10	7	10	9	136	36
21	30	*44	12	11	14	9	9	7	10	9	88	10
22	28	35	12	11	12	10	9	7	10	9	53	16
23	27	21	12	*11	11	10	8	7	10	9	40	20
24	27	19	11	46	10	13	8	7	10	10	27	14
25	27	18	11	56	10	34	8	7	10	11	90	7
26	*22	17	11	16	11	107	8	7	10	11	*51	7
27	14	17	11	14	11	24	8	7	11	11	26	7
28	13	16	11	13	10	22	8	7	12	11	24	7
29	13	16	11	13	-	*99	8	7	62	11	7	7
30	13	15	10	12	-----	*58	8	7	126	11	7	7
31	13	-----	10	12	-----	21	-----	9	-----	12	7	-----
Total	1,660	1,158	380	419	349	572	440	235	457	377	966	293
Mean	53.5	36.6	12.3	13.5	12.5	18.5	14.7	7.6	15.2	12.2	31.2	9.8
Ac-ft	3,290	2,300	754	831	692	1,130	873	466	906	748	1,920	581

Calendar year 1954: Max 539 Min 7 Mean 35.1 Ac-ft 25,400
Water year 1954-55: Max 247 Min 7 Mean 20.0 Ac-ft 14,490

* Discharge measurement made on this day.

Main Canal at Vero Beach, Fla.

Location.--Lat 27°38'54", long 80°24'10" in SE¹ sec. 35, T. 32 S., R. 39 E., on right bank 8 ft upstream from dam and 0.6 mile northwest of Vero Beach.

Records available.--October 1950 to September 1955 in reports of Geological Survey. January 1949 to September 1950 (gage heights only) collected by U. S. Soil Conservation Service, available in files of Geological Survey.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Mar. 20, 1952, at datum 0.72 ft lower.

Extremes.--Maximum discharge during year, 791 cfs Nov. 14 (gage height, 12.09 ft); minimum, 3.2 cfs Aug. 10; minimum gage height, 8.29 ft Jan. 5.
1950-55: Maximum discharge, 1,380 cfs Oct. 18, 1950 (gage height, 13.1 ft, present datum); minimum, 2.6 cfs Sept. 6, 1954 (gage height, 8.25 ft).
Flood of Oct. 18, 1950, was highest recorded since January 1949.

Remarks.--Records good. Considerable pumping into canal for drainage above station. Slight regulation at low flow above station. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 25-28)

8.25	2.5	9.5	153
8.4	9.0	10.0	251
8.6	23	11.0	494
8.8	43	12.0	771
9.1	85		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.6	4.8	40	16	31	33	35	15	15	198	57	55
2	275	4.8	33	*16	13	28	61	15	15	*78	19	43
3	288	7.1	18	95	14	23	135	16	*14	72	6.2	35
4	186	12	17	43	39	23	36	27	12	22	*5.2	34
5	*139	12	16	3.9	48	21	6.2	35	12	40	4.8	32
6	120	11	15	4.3	47	21	26	35	11	47	4.3	32
7	108	10	13	77	34	21	47	35	10	41	4.3	31
8	104	10	11	31	13	21	46	36	11	74	3.9	31
9	422	9.6	12	3.6	13	*21	32	36	13	85	3.9	30
10	580	9.6	12	3.9	21	18	23	32	13	21	3.6	32
11	484	12	11	3.9	28	18	21	13	13	22	3.9	31
12	313	60	*10	3.9	28	19	24	*12	32	18	5.4	31
13	228	101	11	13	*26	20	25	12	42	13	28	30
14	194	302	12	24	24	21	21	14	34	*13	62	30
15	238	602	10	15	21	21	24	14	18	13	33	*29
16	171	421	10	6.6	20	21	67	17	16	13	28	28
17	128	378	9.0	9.6	23	21	85	17	15	13	22	28
18	104	245	45	12	41	21	43	15	14	13	22	28
19	90	180	60	11	53	23	19	14	14	13	29	48
20	78	144	40	11	52	22	15	13	13	14	85	67
21	69	*118	21	9.6	50	24	*14	12	14	13	97	25
22	62	98	21	8.5	30	25	11	13	15	14	33	75
23	56	84	18	*8.6	18	25	19	12	15	14	23	88
24	52	62	15	104	16	84	21	12	15	15	25	56
25	51	41	14	140	16	93	17	11	14	14	121	29
26	*39	39	13	53	29	115	17	11	13	14	*68	30
27	5.2	38	13	44	35	26	17	11	13	13	32	31
28	5.2	36	14	44	34	28	18	12	11	13	33	30
29	5.7	36	15	44	-	166	18	12	89	20	13	30
30	6.2	36	15	43	-----	*43	16	13	291	33	30	30
31	4.8	-----	15	42	-----	5.2	-----	16	-----	42	55	-----
Total	4,612.7	3,123.9	579.0	944.4	817	1,071.2	959.2	558	827	1,028	960.5	1,129
Mean	149	104	18.7	30.5	29.2	34.6	32.0	18.0	27.6	33.2	31.0	37.6
Ac-ft	9,150	6,200	1,150	1,870	1,620	2,120	1,900	1,110	1,640	2,040	1,910	2,240
Calendar year 1954: Max	686				Min 3.2		Mean 67.9		Ac-ft 49,200			
Water year 1954-55: Max	602				Min 3.6		Mean 45.5		Ac-ft 32,950			

* Discharge measurement made on this day.

South Canal near Vero Beach, Fla.

Location.--Lat 27°36'14", long 80°23'13", in SE $\frac{1}{4}$ sec. 13, T. 33 S., R. 39 E., on right bank 20 ft upstream from bridge on State Highway 605 and 2.5 miles south of Vero Beach.

Records available.--October 1950 to September 1955 in reports of Geological Survey. January 1949 to September 1950 (gage heights only) collected by U. S. Soil Conservation Service, available in files of Geological Survey.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Feb. 28, 1952, at downstream side of bridge at datum 0.80 ft lower.

Extremes.--Maximum discharge during year, 468 cfs Oct. 9 (gage height, 7.08 ft); minimum daily, 20 cfs Sept. 17; minimum gage height, 3.17 ft Jan. 5, 9.
1950-55: Maximum discharge, 707 cfs Oct. 18, 1950 (gage height, 9.9 ft, present datum); minimum daily, 4 cfs June 15, 1951; minimum gage height, 1.87 ft Apr. 5, 1954.
Flood of Oct. 18, 1950, was highest recorded since January 1949.

Remarks.--Records poor. Considerable pumping into canal for drainage above station. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	70	51	*40	34	32	38	32	*45	72	42	27
2	200	70	48	40	34	29	37	36	40	*55	31	25
3	168	69	48	38	40	29	53	39	40	53	26	34
4	96	66	53	28	42	29	43	40	36	54	29	35
5	72	65	56	24	37	29	36	33	33	61	*34	32
6	*61	66	58	25	31	29	36	25	32	50	39	29
7	53	62	58	31	23	29	37	21	30	59	38	26
8	50	61	58	28	28	*29	34	30	30	28	40	24
9	227	59	57	25	34	29	31	29	31	65	46	25
10	359	61	56	27	38	30	29	26	25	47	44	27
11	271	73	57	36	36	29	30	24	24	47	36	31
12	133	107	*53	41	35	29	31	*23	52	46	34	29
13	93	82	54	44	*37	29	31	25	66	46	51	27
14	86	168	56	40	40	28	31	27	42	*46	59	24
15	106	270	53	40	40	28	34	40	32	46	74	*24
16	72	161	52	46	38	29	56	50	32	46	46	22
17	59	149	50	50	48	30	42	47	33	44	32	20
18	52	101	54	52	59	34	32	43	36	44	27	21
19	48	79	46	50	52	36	*27	40	36	44	40	56
20	45	68	38	46	47	30	28	38	36	42	57	41
21	44	*62	38	44	40	27	29	37	40	42	68	27
22	42	55	43	44	36	30	31	36	40	42	44	61
23	40	51	45	*40	36	50	32	34	40	36	38	39
24	38	48	46	48	38	56	31	33	39	38	36	29
25	38	46	46	65	40	65	29	31	36	53	71	25
26	*36	48	45	41	42	53	28	28	34	62	*51	29
27	36	53	45	39	40	40	28	25	34	50	34	31
28	44	54	44	42	35	38	27	24	66	46	28	30
29	56	54	44	42	-	*60	27	25	98	44	26	29
30	66	55	44	38	-----	46	28	26	121	40	32	28
31	70	-----	42	36	-----	38	-----	42	-----	32	32	-----
Total	2,832	2,431	1,538	1,228	1,085	1,099	1,006	1,009	1,279	1,550	1,285	907
Mean	91.4	81.0	49.6	39.6	38.8	35.5	33.5	32.5	42.6	50.0	41.5	30.2
Ac-ft	5,620	4,820	3,050	2,440	2,150	2,180	2,000	2,000	2,540	3,070	2,550	1,800

Calendar year 1954: Max 464 Min 12 Mean 50.2 Ac-ft 36,560
Water year 1954-55: Max 359 Min 20 Mean 47.3 Ac-ft 34,220

* Discharge measurement made on this day.

North Fork St. Lucie River at White City, Fla.

Location--Lat 27°22'26", long 80°20'33", in NW $\frac{1}{4}$ sec. 4, T. 36 S., R. 40 E., on left bank 10 ft upstream from bridge on State Road 712 at White City, 1.7 miles downstream from confluence of Fivemile and Tenmile Creeks, and 4 miles south of Fort Pierce.

Records available--October 1952 to September 1955 (discharge measurements only).

Gage--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929.

Extremes--1952-55: Maximum discharge measured, 2,800 cfs Oct. 10, 1953; reverse flow observed at times (tide effect).

Remarks--Slight diversion at high stages through canal a quarter of a mile to west. Low flow affected by tide. Tidal measurements made 6 hours and 13 minutes apart at approximately maximum and minimum discharge. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Pairs of discharge measurements, in cubic feet per second, made approximately at maximum and minimum discharge of tidal cycle of day shown, water year October 1954 to September 1955

Date	Maximum	Minimum	Mean
Oct. 27.....	475	330	402
Dec. 11.....	366	53.3	210
Jan. 22.....	211	0	106
Mar. 10.....	192	-42.7	74.6
Apr. 20.....	223	-90.0	66.5
June 3.....	220	116	168
July 13.....	1,040	-	1,040
Aug. 29.....	1,830	-	1,830

Note--Negative sign indicates reverse flow.

Diversion Canal near White City, Fla.

Location--Lat 27°20', long 80°31', in NW $\frac{1}{4}$ sec. 23, T. 36 S., R. 38 E., on right bank 10 ft downstream from bridge on Ideal Holding Co. Road and 12 miles west of White City.

Records available--October 1952 to September 1955 (discharge measurements only).

Gage--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Aug. 5, 1954, at datum 17.11 ft higher.

Extremes--1952-55: Maximum discharge measured, 333 cfs June 22, 1954; minimum measured, 2.83 cfs Feb. 18, 1954.

Remarks--Flow regulated and diverted for agricultural purposes by several pumps and control structures upstream and downstream from gage. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 27.....	147	Apr. 20.....	5.53
Dec. 11.....	33.9	June 2.....	16.6
Jan. 22.....	5.52	Aug. 26.....	162
Mar. 10.....	5.63		

Lake Okeechobee, Fla.

Location.--Center of lake, lat 26°57', long 80°50', in southern Florida.

Records available.--October 1931 to September 1955 in reports of Geological Survey.

1912 to 1914 in reports or files of Corps of Engineers and 1915 to 1931 in reports or files of Everglades Drainage District.

Gage.--Three staff gages read once daily at Hurricane Gate No. 2, Hurricane Gate No. 6, and Port Mayaca. Datum of gages is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1941, staff gage at St. Lucie Canal. Oct. 1, 1941, to Dec. 31, 1950, seven staff gages at various locations on rim of lake. Prior to Oct. 1, 1933, at datum 1.01 ft lower. Oct. 1, 1933, to Sept. 30, 1946, at datum 1.44 ft lower.

Extremes.--1931-55: Maximum gage height, 24.0 ft, present datum, Aug. 26, 1949, at Hurricane Gate No. 4 (wind effect); maximum average daily gage height observed, 18.77 ft Nov. 2, 1947, present datum; minimum average daily gage height observed, 10.3 ft May 17, 1932, present datum.

Remarks.--Stage of lake regulated by gates at several lake outlets. Total usable capacity of lake, 1,312,000 acre-ft.

Cooperation.--Records furnished by Corps of Engineers.

Gage height, in feet, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14.20	14.41	14.39	14.38	14.37	14.27	13.76	13.41	12.91	13.57	13.55	13.52
2	14.31	14.41	14.38	14.38	14.37	14.26	13.77	13.34	12.89	13.57	13.54	13.54
3	14.40	14.36	14.36	14.39	14.39	14.26	13.84	13.35	12.85	13.56	13.56	13.58
4	14.42	14.34	14.37	14.39	14.32	14.24	13.85	13.30	12.83	13.56	13.56	13.57
5	14.43	14.36	14.36	14.39	14.33	14.24	13.83	13.29	12.81	13.56	13.58	13.56
6	14.46	14.34	14.35	14.39	14.34	14.24	13.83	13.28	12.79	13.60	13.57	13.59
7	14.51	14.32	14.33	14.37	14.35	14.23	13.81	13.26	12.77	13.58	13.55	13.66
8	14.51	14.30	14.33	14.37	14.37	14.17	13.79	13.24	12.81	13.57	13.53	13.68
9	14.51	14.31	14.34	14.38	14.36	14.14	13.76	13.24	12.77	13.57	13.52	13.70
10	14.56	14.31	14.33	14.38	14.34	14.12	13.75	13.22	12.74	13.59	13.54	13.68
11	14.56	14.31	14.32	14.38	14.38	14.11	13.75	13.21	12.85	13.59	13.55	13.68
12	14.56	14.30	14.31	14.36	14.33	14.11	13.74	13.19	13.05	13.59	13.52	13.72
13	14.54	14.32	14.31	14.33	14.32	14.07	13.74	13.17	13.14	13.57	13.49	13.71
14	14.55	14.35	14.37	14.30	14.28	14.05	13.72	13.15	13.14	13.55	13.47	13.68
15	14.58	14.41	14.36	14.29	14.27	14.03	13.79	13.14	13.15	13.56	13.46	13.69
16	14.53	14.44	14.34	14.30	14.28	14.02	13.81	13.11	13.21	13.55	13.46	13.66
17	14.47	14.44	14.34	14.30	14.29	14.00	13.79	13.11	13.22	13.51	13.45	13.62
18	14.47	14.44	14.40	14.30	14.30	13.97	13.75	13.12	13.26	13.49	13.43	13.65
19	14.43	14.44	14.42	14.31	14.32	13.96	13.73	13.10	13.28	13.46	13.44	13.68
20	14.44	14.47	14.40	14.27	14.31	13.94	13.70	13.10	13.26	13.46	13.45	13.71
21	14.45	14.42	14.37	14.26	14.29	13.91	13.70	13.09	13.28	13.51	13.44	13.70
22	14.43	14.41	14.38	14.25	14.30	13.92	13.66	13.11	13.31	13.50	13.42	13.69
23	14.42	14.42	14.36	14.27	14.30	13.83	13.65	13.11	13.32	13.50	13.38	13.68
24	14.43	14.41	14.36	14.30	14.30	13.80	13.63	13.11	13.33	13.47	13.40	13.66
25	14.44	14.41	14.37	14.37	14.30	13.83	13.63	13.11	13.33	13.46	13.47	13.67
26	14.43	14.41	14.37	14.34	14.31	13.84	13.60	13.06	13.36	13.46	13.46	13.63
27	14.45	14.39	14.37	14.36	14.28	13.77	13.54	13.03	13.36	13.46	13.44	13.61
28	14.45	14.40	14.38	14.38	14.27	13.77	13.49	12.98	13.37	13.45	13.43	13.60
29	14.45	14.40	14.37	14.36	-	13.77	13.48	12.97	13.38	13.45	13.43	13.60
30	14.43	14.38	14.39	14.38	-	13.78	13.45	12.97	13.46	13.51	13.43	13.56
31	14.42	-	14.38	14.37	-	13.76	-	12.94	-	13.54	13.46	-

Note.--Figures in above table are averages of once-daily readings from 3 gages.

LAKE OKEECHOBEE AND THE EVERGLADES

Fisheating Creek at Palmdale, Fla.

Location.--Lat 26°56', long 81°19', in sec. 3, T. 41 S., R. 30 E., near right bank on downstream side of bridge on U. S. Highway 27, 1 mile south of Palmdale and 16 miles upstream from Lake Okeechobee.

Drainage area.--435 sq mi, approximately.

Records available.--April 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 27.19 ft above mean sea level, datum of 1929. Prior to Mar. 16, 1949, staff gage at same site and datum.

Average discharge.--24 years, 267 cfs.

Extremes.--Maximum discharge during year, 1,340 cfs at 12:01 a.m. Oct. 1, stage falling from peak of Sept. 28, 1954; maximum peak discharge during year, 644 cfs Aug. 1 (gage height, 6.07 ft); no flow for many days.

1931-55: Maximum discharge, 31,400 cfs Oct. 3, 1951 (gage height, 12.44 ft), from rating curve extended above 21,000 cfs; no flow at times in most years.

Remarks.--Records good except those for May 17 to Aug. 23, which are fair.

Revisions.--WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,240	112	86	51	136	18	0.1	0	*0.2	*501	621	201
2	1,090	106	81	47	120	16	.2	0	.4	385	*584	300
3	951	*97	77	44	107	14	1.5	0	.2	241	434	333
4	839	92	71	41	94	13	1.8	0	.1	150	343	437
5	738	89	67	38	80	12	1.0	0	0	112	316	555
6	682	85	63	36	68	11	.6	0	0	96	337	480
7	628	81	61	35	57	9.6	.4	0	0	90	402	420
8	562	76	59	33	48	*8.6	.2	0	0	102	343	*385
9	514	71	55	31	42	7.5	.1	0	0	168	273	354
10	497	67	51	30	37	6.4	0	0	0	251	247	324
11	519	63	48	28	35	5.7	0	0	.1	260	216	291
12	519	59	46	26	39	4.9	0	0	2.4	241	188	291
13	486	58	45	25	38	4.1	0	0	7.7	208	174	252
14	462	61	46	24	35	3.5	0	0	7.5	187	157	265
15	444	65	49	22	33	2.4	.1	0	5.5	177	138	295
16	421	72	*49	22	30	1.8	.1	0	3.9	166	120	295
17	390	80	48	21	30	1.4	.1	0	3.1	154	101	291
18	361	90	53	20	46	1.0	0	0	4.1	135	112	291
19	337	99	65	20	59	.6	0	0	3.7	*123	114	295
20	305	114	71	20	54	.4	0	3.7	3.1	113	94	248
21	278	134	75	19	44	.2	0	14	3.3	112	66	226
22	252	131	77	18	37	.1	0	16	4.4	106	48	211
23	223	130	80	18	32	.1	0	12	4.4	108	70	201
24	197	122	85	48	29	.1	0	7.7	4.4	119	151	192
25	175	115	86	132	26	.1	0	4.8	11	137	229	184
26	155	108	77	114	24	.1	0	2.9	49	146	226	173
27	134	103	77	100	21	.1	0	1.3	36	171	244	166
28	123	97	70	*109	20	.1	0	.5	49	183	233	155
29	116	93	65	148	17	.1	0	.3	78	164	214	146
30	120	90	59	174	-----	*.1	0	-----	130	214	*201	136
31	118	-----	55	157	-----	.1	-----	.1	-----	253	195	-----
Total	13,876	2,759	2,003	1,651	1,421	142.9	6.2	63.4	411.5	5,371	7,191	8,393
Mean	448	92.0	64.6	53.3	50.8	4.61	0.21	2.05	13.7	173	232	280
Cfsm	1.03	0.211	0.149	0.123	0.117	0.011	0.00048	0.0047	0.031	0.398	0.533	0.644
In.	1.19	0.24	0.17	0.14	0.12	0.01	0.0005	0.005	0.04	0.46	0.61	0.72
Calendar year 1954: Max	2,140			Min 0		Mean 290		Cfsm 0.667	In. 9.05			
Water year 1954-55: Max	1,240			Min 0		Mean 119		Cfsm 0.274	In. 3.71			

Peak discharge (base, 1,500 cfs).--No peak above base.

* Discharge measurement made on this day.

Brick-Alligator Canal near Ashton, Fla.

Location (revised).--Lat 28°10'40", long 81°12'26" in SW¹ sec. 34, T. 26 S., R. 31 E., near left bank on downstream side of bridge on State Highway 534, 0.5 mile northwest of Brick Lake, 0.9 mile southeast of Alligator Lake, and 5.1 miles southeast of Ashton.

Records available.--December 1949 to September 1955 (discharge measurements only).

Gage.--Water-stage recorder. Datum of gage is 58.09 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1949-55: Maximum discharge measured, 132 cfs Oct. 19, 1950; reverse flow observed Jan. 23, May 29, 1952, Oct. 8, 1953.

Remarks.--Entire flow at this station represents diversion to or from Brick Lake. Normal direction of flow in canal is toward Alligator Lake but is occasionally reversed. Natural drainage from Brick Lake is through swamp outlet on south side of lake into Canoe Creek.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 27.....	41.1	Apr. 12.....	8.89
Dec. 9.....	22.7	May 24.....	6.73
Jan. 17.....	8.3	July 6.....	26.8
Mar. 1.....	17.8	Aug. 16.....	20.5

Lizzie-Lost Canal near Ashton, Fla.

Location.--Lat 28°15'29", long 81°11'20", in sec. 2, T. 26 S., R. 31 E., near center span at downstream side of highway bridge on north side of Lake Lizzie, 3.5 miles northeast of Ashton and 4 miles southeast of Narcoossee.

Drainage area.--31.5 sq mi (revised), excludes area drained by Brick Lake.

Records available.--December 1949 to September 1955 (discharge measurements only).

Gage.--Water-stage recorder. Datum of gage is 58.98 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1949-55: Maximum discharge measured, 113 cfs Nov. 20, 1953; maximum reverse flow measured, 17.2 cfs Oct. 17, 1950.

Remarks.--Normal flow is toward Lake Lost but is occasionally reversed. Discharge includes flow diverted from Brick Lake through Brick-Alligator Canal.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 29.....	63.9	May 24.....	10.8
Dec. 9.....	51.9	July 6.....	14.4
Jan. 21.....	37.3	Aug. 17.....	19.1
Mar. 2.....	32.2	18.....	16.6
Apr. 14.....	24.3		

Myrtle-Mary Jane Canal near Narcoossee, Fla.

Location.--Lat 28°20'22", long 81°10'27", in sec. 1, T. 25 S., R. 31 E., on left bank 400 ft downstream from private bridge, 0.9 mile upstream from Lake Mary Jane, 1.2 miles downstream from Lake Myrtle, and 4.9 miles northeast of Narcoossee.

Drainage area.--111 sq mi (revised).

Records available.--November 1949 to September 1955.

Gage.--Water stage recorder. Datum of gage is 57.08 ft above mean sea level (levels by Corps of Engineers).

Average discharge.--5 years (1950-55), 139 cfs.

Extremes.--Maximum discharge during year, 273 cfs Sept. 11, 12 (gage height, 4.96 ft); minimum, 2.2 cfs June 9 (gage height, 1.90 ft).

1949-55: Maximum discharge, 703 cfs Oct. 1, 1953 (gage height, 7.67 ft); minimum, 1.8 cfs July 1, 1950 (gage height, 1.88 ft).

Remarks.--Records fair.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	113	117	72	61	78	46	19	7.8	11	63	174
2	80	111	114	70	60	*76	46	18	6.8	15	71	193
3	83	108	111	69	59	75	44	17	6.1	16	74	212
4	85	105	108	68	58	74	44	17	5.8	16	80	223
5	86	103	106	66	56	73	43	16	5.1	16	91	225
6	88	100	104	65	57	70	42	16	4.7	17	96	223
7	89	98	102	64	57	69	40	15	4.0	*18	100	224
8	97	95	*101	63	58	65	40	15	3.5	19	102	239
9	110	93	100	62	58	64	38	14	2.9	21	103	260
10	117	92	96	60	57	62	37	14	3.1	21	104	269
11	122	92	94	58	61	61	36	15	3.5	23	105	272
12	126	94	92	57	62	59	36	14	4.2	25	106	275
13	128	95	91	56	61	57	*36	13	4.0	26	108	268
14	135	112	90	53	61	56	37	12	4.0	28	109	261
15	140	127	88	52	63	54	38	10	4.0	29	113	254
16	141	132	87	51	63	53	38	10	4.2	29	114	250
17	141	136	85	52	65	51	37	9.9	4.7	30	*115	241
18	140	138	88	52	69	50	36	9.9	5.8	31	116	240
19	139	139	87	*52	77	48	34	9.4	5.4	32	118	234
20	138	139	86	51	79	46	32	8.2	5.4	32	123	228
21	136	138	83	51	80	45	31	12	5.4	32	123	221
22	134	136	82	51	80	42	29	15	5.1	32	125	215
23	131	135	81	51	81	40	29	15	5.8	32	130	207
24	128	132	80	54	81	40	28	*14	6.8	34	131	201
25	127	130	79	57	80	40	26	14	6.8	40	142	196
26	124	126	77	60	80	40	24	13	6.8	42	157	191
27	122	125	77	61	80	40	23	12	6.8	45	162	184
28	*120	123	77	61	79	40	22	11	7.1	47	166	176
29	118	121	76	61	-	44	21	9.9	7.5	51	166	171
30	118	119	74	61	-----	45	21	9.4	8.3	60	168	163
31	115	-----	73	61	-----	46	-----	8.9	-----	64	169	-----
Total	3,631	3,507	2,806	1,822	1,886	1,703	1,034	407.3	181.4	934	3,656	6,688
Mean	117	117	90.5	58.8	67.4	54.9	34.5	13.1	5.38	30.1	115	223
Cfs/m	1.05	1.05	0.815	0.530	0.607	0.495	0.311	0.118	0.048	0.271	1.06	2.01
In.	1.22	1.18	0.94	0.61	0.63	0.57	0.35	0.14	0.05	0.31	1.22	2.24

Calendar year 1954: Max 294 Min 24 Mean 114 Cfs/m 1.03 In. 113.99
Water year 1954-55: Max 273 Min 2.9 Mean 77.4 Cfs/m 0.697 In. 9.46

* Discharge measurement made on this day.

† Computed on basis of revised figures for drainage area.

LAKE OKEECHOBEE AND THE EVERGLADES

Mary Jane-Hart Canal near Narcoossee, Fla.

Location.--Lat 28°22'54", long 81°11'24", in sec. 23, T. 24 S., R. 31 E., on left bank at downstream side of highway bridge, 500 ft east of Lake Mary Jane, 4.5 miles by road from State Highway 15, and 6½ miles northeast of Narcoossee.

Drainage area.--124 sq mi (revised), includes area drained by Econlockhatchee Headwaters Canal above point of diversion.

Records available.--May 1942 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 57.14 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1942-55: Maximum discharge measured, 448 cfs Oct. 30, 1947; no flow May 24, 1945.

Remarks.--Some diversion above station into St. Johns River basin through Econlockhatchee Headwaters Canal.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 28.....	121	Apr. 19.....	32.3
Dec. 8.....	105	May 26	7.65
Jan. 19.....	60.0	July 7.....	9.46
Mar. 2.....	70.5	Aug. 17.....	107

Ajay-East Tohopekaliga Canal near Narcoossee, Fla.

Location.--Lat 28°20'23", long 81°13'42", in sec. 4, T. 25 S., R. 31 E., on left bank at upstream side of bridge on State Highway 15, a quarter of a mile east of East Tohopekaliga Lake and 3 miles north of Narcoossee.

Drainage area.--171 sq mi (revised).

Records available.--May 1942 to September 1955 (discharge measurements only). Prior to October 1952, published as Hart-East Tohopekaliga Canal near Narcoossee.

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 52.62 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Feb. 4, 1943, at datum 3.40 ft higher.

Extremes.--1942-55: Maximum discharge measured, 1,050 cfs Sept. 30, 1953; maximum reverse flow measured, 0.25 cfs Feb. 26, 1946 (affected by wind).

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 27.....	158	Apr. 14.....	3.89
Dec. 8.....	135	May 24.....	2.38
Jan. 21.....	46.4	July 7.....	0.63
Mar. 2.....	75.2	Aug. 17.....	78.8

Boggy Creek near Kissimmee, Fla.

Location.--Lat 28°20'52", long 81°19'12", on line between sec. 33, T. 24 S., R. 30 E. and sec. 4, T. 25 S., R. 30 E., near center of span on upstream side of bridge on State Highway 530, 1.0 mile upstream from East Tohopekaliga Lake and 6½ miles northeast of Kissimmee.

Drainage area.--74.7 sq mi.

Records available.--1953 (one discharge measurement), January to September 1955 (discharge measurements only).

Gage.--Reference point; readings made only at time of discharge measurements. Datum of reference point is 69.56 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1955: Maximum discharge measured during period January to September, 11.8 cfs Jan. 21; minimum measured, 0.52 cfs May 26.
Maximum discharge measured, 374 cfs Oct. 10, 1953.

Discharge measurements, in cubic feet per second, January to
September 1955

Jan. 21.....	11.8	May 26.....	.52
Mar. 2.....	8.22	July 7.....	5.43
Apr. 19.....	*6	Aug. 18.....	3.14

* Field estimate.

East Tohopekaliga-Tohopekaliga Canal near St. Cloud, Fla.

Location.--Lat 28°15'59", long 81°18'35", in sec. 34, T. 25 S., R. 30 E., near left bank at downstream (corrected) side of highway bridge, 300 ft downstream from outlet of East Tohopekaliga Lake and 1.8 miles northwest of St. Cloud.

Drainage area.--300 sq mi.

Records available.--May 1942 to December 1949 (discharge measurements only), January 1950 to September 1955.

Gage.--Staff gage read once or twice daily. Datum of gage is 52.32 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to May 27, 1943, at datum 2.00 ft higher.

Average discharge.--5 years (1950-55), 267 cfs.

Extremes.--Maximum discharge during year, 236 cfs Oct. 1, 2 (stage falling, peak occurred Sept. 28, 1954, discharge, 242 cfs, gage height, 3.72 ft); maximum gage height during year, 3.66 ft Oct. 1-3; no flow June 3-15, July 8-15, 17-21.
1950-55: Maximum discharge, 1,110 cfs Oct. 13, 1953 (gage height, 9.48 ft); no flow June 3-15, July 8-15, 17-21, 1955.
1942-55: Maximum discharge measured, 1,140 cfs Sept. 19, 1945 (gage height, 9.08 ft); no flow at times.

Remarks.--Records fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 19-26, Aug. 24 to Sept. 30)

Oct. 1-26		Oct. 27 to Sept. 30			
3.2	195	0.4	0	1.4	32
3.7	240	.5	2.1	2.0	79
		.9	10	3.0	165
		1.1	16	3.5	222

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	236	187	204	167	128	108	79	38	0.4	2.5	9.6	29
2	236	186	204	167	127	108	77	37	0	2.1	11	28
3	235	183	203	165	127	*107	77	30	.5	2.5	11	29
4	232	180	203	163	134	105	78	24	0	2.8	12	34
5	229	179	203	161	125	105	81	18	0	2.5	13	34
6	226	179	203	159	122	102	79	15	0	*1.4	12	33
7	224	178	*204	159	121	103	76	13	0	.2	13	34
8	223	175	198	156	127	102	77	12	0	*0	14	43
9	225	173	190	154	127	99	75	11	0	0	14	42
10	224	173	187	152	125	95	74	10	0	0	13	44
11	224	172	184	151	121	93	71	9.0	0	0	10	47
12	223	174	179	148	127	90	71	7.1	0	0	9.0	49
13	221	176	177	142	125	91	69	6.1	0	0	9.2	50
14	220	185	184	140	120	90	*71	4.8	0	0	13	53
15	217	202	182	136	119	89	70	7.1	0	0	23	49
16	216	208	180	136	117	87	71	6.5	.4	*.4	16	56
17	216	210	179	135	117	87	72	4.0	2.5	0	13	55
18	211	212	183	133	121	85	69	3.6	2.6	0	16	60
19	208	215	184	a133	119	84	66	4.0	2.6	0	15	60
20	208	212	180	*133	a118	82	63	3.6	2.5	0	17	61
21	206	210	178	134	117	82	61	3.8	2.5	0	17	59
22	205	210	176	132	*116	77	60	5.7	2.3	.7	21	65
23	203	212	176	a132	a115	76	58	6.1	2.5	.4	18	63
24	201	210	175	a131	a114	75	52	5.5	2.6	.7	18	75
25	199	210	174	a131	a113	73	44	4.2	2.3	1.0	22	77
26	*198	208	172	a131	a112	72	42	*4.0	2.1	1.4	24	85
27	196	205	172	a130	a111	74	43	3.6	2.1	.7	21	86
28	192	204	172	130	110	76	42	2.8	2.5	.2	30	85
29	191	205	170	129	-	77	39	1.7	2.5	.2	30	85
30	195	205	169	127	-----	77	37	.4	2.5	4.8	32	90
31	189	-----	169	128	-----	77	-----	0	-----	6.3	32	-----
Total	6,629	5,858	5,714	4,425	3,375	2,748	1,944	301.6	35.4	30.8	528.8	1,660
Mean	214	195	184	143	121	88.6	64.8	9.73	1.18	0.99	17.1	55.3
Cfsm	0.713	0.650	0.613	0.477	0.403	0.295	0.216	0.032	0.0039	0.0033	0.057	0.184
In.	0.82	0.72	0.71	0.55	0.42	0.34	0.24	0.04	0.004	0.004	0.07	0.21

Calendar year 1954: Max 736 Min 107 Mean 281 Cfsm 0.937 In. 12.70
Water year 1954-55: Max 236 Min 0 Mean 91.0 Cfsm 0.303 In. 4.13

* Discharge measurement or observation of no flow made on this day.

a No gage-height record; discharge estimated on basis of records for Tohopekaliga-Cypress Canal near St. Cloud.

LAKE OKEECHOBEE AND THE EVERGLADES

Cypress Creek at Vineland, Fla.

Location (revised).--Lat 28°23'25", long 81°31'11", in NW¼ sec. 21, T. 24 S., R. 28 E., at upstream side of culverts on State Highway 535, 1 mile west of Vineland.

Drainage area.--31.0 sq mi.

Records available.--August 1945 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 96.20 ft above mean sea level, datum of 1929 (levels by Orlando Utilities Commission). Prior to June 13, 1946, staff gage at same site and datum.

Average discharge.--10 years, 9.16 cfs.

Extremes.--Maximum discharge during year, 13 cfs Aug. 25 (gage height, 2.47 ft); no flow for many days.
1945-55: Maximum discharge observed, 181 cfs Sept. 16, 1945 (gage height, 3.83 ft); no flow for many days in most years.

Remarks.--Records fair. Some diversions by pumping above station for irrigation.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 16 to June 14)

Oct. 1 to June 14

June 15 to Sept. 30

1.5	0	2.0	1.3	1.2	0	1.9	1.7
1.6	.1	2.1	2.3	1.3	.1	2.1	3.1
1.7	.3	2.3	7.0	1.4	.5	2.2	4.5
1.9	.9			1.6	.7	2.4	10

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	0.3	0.7	0.7	0.8	0.2	0.1	0	0	1.0	2.2	2.0
2	2.9	.3	.6	.6	.8	.2	.1	0	0	.9	1.9	2.1
3	2.7	.2	.6	.6	.7	.2	.1	0	0	.8	1.6	1.9
4	2.3	.2	.6	.6	.7	.2	.1	0	0	.7	1.7	1.7
5	1.6	.2	.5	.5	.6	.1	.1	0	0	*.7	1.8	1.5
6	1.3	.2	*.6	.5	.6	.1	0	0	0	.6	1.6	1.4
7	1.2	.2	.6	.5	.6	.1	0	0	0	.6	1.4	3.3
8	2.9	.1	.6	.5	.8	.1	0	0	0	.5	1.2	3.8
9	5.7	.1	.6	.4	.7	.1	0	0	0	.6	1.1	3.7
10	4.5	.1	.6	.4	.7	.1	0	0	0	1.7	1.0	2.9
11	3.3	.4	.5	.4	.8	.1	**1	0	0	1.7	.9	2.7
12	2.5	1.0	.5	.3	.8	.1	.5	0	0	1.8	.9	2.3
13	2.0	.8	.6	.3	.7	.1	.4	0	0	1.9	.9	1.9
14	1.7	3.8	.9	.2	.7	.1	.4	0	0	1.7	.8	1.7
15	1.5	4.0	.8	.2	.6	0	.4	0	*0	1.5	*.7	1.5
16	1.3	3.1	.7	.3	.6	0	.3	0	0	1.3	.6	1.3
17	1.1	2.5	.7	*.6	.8	0	.3	0	0	1.2	.5	1.2
18	1.0	1.8	1.3	.6	.6	0	.2	0	.1	1.1	.4	1.1
19	.9	1.5	1.2	.6	.5	0	.2	0	.1	1.0	.4	1.0
20	.8	1.3	1.0	.6	.5	0	.1	0	.1	1.0	.4	.9
21	.7	1.2	1.0	.5	.5	0	.1	.1	.2	1.6	.4	.9
22	.6	1.1	.9	.5	.5	0	0	.4	.2	2.2	.5	1.5
23	.6	1.4	.9	.5	.4	0	0	*.4	.1	1.8	.7	3.9
24	.5	1.3	.9	1.1	.4	0	0	.3	.1	2.7	.6	2.9
25	*.5	1.1	.8	1.7	.3	0	0	.2	.5	4.1	3.3	2.5
26	.5	1.0	.8	1.3	.3	.1	0	.2	1.0	3.2	8.5	2.3
27	.4	1.0	.8	1.2	.3	.1	0	.1	1.2	2.5	5.2	2.1
28	.4	.9	.8	1.1	*.2	.1	0	.1	1.4	2.1	3.7	1.9
29	.4	.9	.8	1.0	-	.2	0	.1	1.3	2.1	2.7	1.7
30	.5	.8	.7	.9	-	.1	0	0	1.2	2.1	2.2	1.5
31	.4	-	.8	.8	-	.1	-	-	2.1	1.9	-	-
Total	48.2	32.8	23.3	20.0	16.3	2.5	3.5	1.9	7.5	48.8	51.7	61.1
Mean	1.55	1.09	0.75	0.65	0.58	0.08	0.12	0.06	0.25	1.57	1.67	2.04
Cfsm	0.050	0.035	0.024	0.021	0.019	0.0026	0.0039	0.0019	0.0081	0.051	0.054	0.066
In.	0.06	0.04	0.03	0.02	0.02	0.003	0.004	0.002	0.009	0.06	0.08	0.07

Calendar year 1954: Max 40
Water year 1954-55: Max 8.5

Min 0
Min 0
Mean 4.62
Mean 0.87
Cfsm 0.149
Cfsm 0.028
In. 2.03
In. 0.38

Peak discharge (base, 55 cfs).--No peak above base.

* Discharge measurement or observation of no flow made on this day.

** Field estimate made on this day.

Shingle Creek near Kissimmee, Fla.

Location.--Lat 28°16'01", long 81°26'10", in SW $\frac{1}{4}$ sec. 32, T. 25 S., R. 29 E., near center of span on upstream side of bridge on State Highway 531, 1 $\frac{1}{2}$ miles upstream from Lake Tohopekaliga, and 2 $\frac{1}{2}$ miles southwest of Kissimmee.

Drainage area.--182 sq mi (includes part of watershed in Reedy Creek Swamp which is indeterminate).

Records available.--1945 and 1953 (one discharge measurement each year), March to September 1955 (discharge measurements only).

Gage.--Reference point. Readings made only when discharge measurements are made.

Extremes.--Maximum discharge measured during period March to September 1955, 51.5 cfs Aug. 13; minimum measured, 0.08 cfs Apr. 11.

Maximum discharge measured, 1,970 cfs Sept. 22, 1945.

Remarks.--Considerable high-water flow diverted from Reedy Creek through Reedy Creek Swamp into Shingle Creek above station.

Discharge measurements, in cubic feet per second, March to September 1955

Mar. 4..... 6.98
Apr. 11..... .08
May 25..... *5
July 5..... 11.1
Aug. 13..... 51.5
*Field estimate.

Tohopekaliga-Cypress Canal near St. Cloud, Fla.

Location.--Lat 28°08'19", long 81°21'06", in sec. 18, T. 27 S., R. 30 E., on right bank 500 ft downstream from outlet of Lake Tohopekaliga and 8.6 miles southwest of St. Cloud.

Drainage area.--Indeterminate (revised).

Records available.--May 1942 to December 1949 (discharge measurements only), January 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 48.76 ft above mean sea level (levels by Corps of Engineers). Prior to Feb. 3, 1943, staff gage at datum 5.03 ft higher and Feb. 3, 1943, to Sept. 19, 1951, at present datum. Since Oct. 1, 1951, auxiliary water-stage recorder on south shore of Cypress Lake near head of Cypress-Hatchineha Canal.

Average discharge.--5 years (1950-55), 474 cfs.

Extremes.--Maximum daily discharge during year, 362 cfs Oct. 30; maximum gage height, 5.02 ft Oct. 14; maximum daily reverse flow, 66 cfs Sept. 16; minimum gage height observed, 0.88 ft June 11.

1942-55: Maximum daily discharge, 2,650 cfs Oct. 9, 1953; maximum gage height, 10.25 ft Oct. 9, 1953; maximum reverse flow, about 228 cfs Oct. 23, 1952; minimum gage height, that of June 11, 1955.

Remarks.--Records fair above 200 cfs and poor below.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	334	345	337	295	247	*225	167	100	49	78	108	85
2	335	344	341	295	247	223	159	93	44	81	116	89
3	338	352	339	293	250	219	172	95	52	78	118	92
4	339	335	335	292	247	214	166	78	28	74	120	95
5	339	332	319	287	236	217	163	74	27	74	120	93
6	345	340	340	285	225	217	157	70	24	*73	122	92
7	353	339	350	283	236	216	159	64	24	72	120	89
8	357	332	321	279	252	226	160	61	24	79	124	94
9	339	330	315	277	246	208	150	58	24	76	122	96
10	353	350	*332	273	239	201	141	55	22	75	128	92
11	327	323	316	277	252	202	135	52	20	64	123	91
12	331	323	308	270	274	201	143	42	30	62	119	75
13	331	324	307	280	260	197	124	36	29	65	118	40
14	353	346	313	266	243	194	135	39	27	66	119	0
15	335	361	310	254	241	191	*142	41	26	67	*122	0
16	353	357	307	250	240	189	144	37	26	84	123	-56
17	346	355	301	260	236	186	144	36	55	84	96	85
18	347	358	314	*249	242	182	140	42	51	92	92	107
19	346	358	318	276	239	180	135	40	53	87	91	99
20	346	361	317	264	234	176	131	42	59	85	95	102
21	347	355	311	250	233	164	129	56	58	84	98	105
22	347	345	301	246	231	168	129	67	55	82	101	109
23	348	355	301	246	231	171	123	68	53	80	98	115
24	353	351	301	273	233	162	117	68	57	79	93	114
25	*348	352	301	261	241	166	113	*72	53	82	98	125
26	350	352	300	259	229	172	119	67	63	82	94	133
27	350	344	298	254	226	190	107	60	64	79	95	136
28	342	334	294	253	225	186	102	56	71	79	97	144
29	344	342	297	257	-	191	102	49	71	78	93	152
30	362	344	298	253	-----	176	99	44	72	82	89	158
31	354	-----	298	250	-----	171	-----	49	-----	94	90	-----
Total	10,672	10,319	9,738	8,307	6,735	5,981	4,107	1,811	1,291	2,425	3,339	2,751
Mean	344	344	314	268	241	193	137	58.4	43.0	78.2	108	91.7
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	1,480			Min 246		Mean 478		Cfsm -		In. -		
Water year 1954-55: Max	362			Min -66		Mean 185		Cfsm -		In. -		

* Discharge measurement made on this day.

Note.--Negative sign Sept. 16 indicates reverse flow.

LAKE OKEECHOBEE AND THE EVERGLADES

Canoe Creek near St. Cloud, Fla.

Location.--Lat 28°04'42", long 81°15'39", in sec. 6, T. 28 S., R. 31 E., near right bank 8 ft downstream from bridge on St. Cloud-Kenansville road, 3.2 miles south of Lake Gentry, and 12 miles south of St. Cloud.

Drainage area.--86.5 sq mi (revised), includes area drained by Brick Lake.

Records available.--November 1949 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 48.17 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Average discharge.--5 years (1950-55), 81.2 cfs.

Extremes.--Maximum discharge during year, 431 cfs Oct. 10 (gage height, 9.68 ft); minimum, 4.1 cfs June 3, 4 (gage height, 4.16 ft).

1949-55: Maximum discharge, 1,550 cfs Oct. 19, 1950 (gage height, 11.4 ft, from recorded range in stage); no flow May 12 to Sept. 5, 1950; minimum gage height, 3.97 ft Aug. 22, 23, 1950.

Flood in 1935 (before canal was opened) reached a stage of 13.5 ft, from information by Florida State Road Department.

Remarks.--Records fair except those for period of doubtful gage-height record, which are poor. Records do not include diversions through Brick-Alligator Canal above station.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 23					May 24 to Sept. 30				
4.1	3.7	6.5	74		5.0	18	6.5	81	
4.5	7.1	7.2	121		5.5	36	7.2	121	
4.7	10	8.0	191		6.0	58			
5.0	18	9.0	312						
5.5	34	9.7	435						
6.0	54								

Note.--Same as preceding table below 5.0 ft and above 7.2 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	245	36	36	18	22	*32	32	5.6	4.5	72	44	105
2	234	33	33	17	21	30	35	5.5	4.3	80	47	142
3	234	30	30	17	20	28	36	5.4	4.1	87	47	209
4	200	28	28	16	20	26	31	5.3	4.6	87	50	172
5	167	26	25	16	19	24	27	5.2	5.1	87	54	140
6	140	24	25	15	18	23	24	5.2	6.0	*85	55	127
7	122	22	*24	15	16	21	21	5.2	9.0	81	56	153
8	163	20	22	14	19	20	18	5.2	9.0	82	55	170
9	345	19	21	14	20	18	17	5.0	8.8	75	55	212
10	424	17	20	13	18	16	15	5.0	8.3	71	52	267
11	415	17	18	13	29	15	13	5.0	9.5	68	48	322
12	377	16	17	12	42	14	*12	5.0	13	67	46	357
13	330	16	17	12	43	13	12	5.0	13	72	44	358
14	284	35	20	10	43	17	14	5.0	12	80	42	338
15	252	51	19	9.8	40	17	18	5.0	12	76	40	301
16	213	59	18	9.3	36	17	16	4.9	12	73	*39	252
17	176	66	17	10	47	16	14	4.8	18	69	36	204
18	146	76	24	11	51	15	12	4.8	18	64	35	187
19	123	74	25	*11	54	14	11	4.8	17	58	36	164
20	103	73	23	10	56	14	9.8	4.9	16	54	50	142
21	88	70	21	9.7	54	13	9.1	5.4	16	50	50	131
22	76	66	20	9.1	51	12	8.3	5.8	16	47	53	121
23	68	65	20	8.8	48	11	7.8	*5.8	16	44	60	105
24	62	62	19	16	45	11	7.4	5.5	16	41	72	96
25	56	58	18	32	42	13	6.9	5.2	17	40	95	92
26	51	54	18	29	40	20	6.6	5.0	21	38	128	87
27	*47	49	18	28	37	30	6.1	4.8	20	35	140	82
28	43	45	19	27	35	31	5.9	4.6	20	33	144	77
29	40	42	18	26	-	54	5.7	4.5	21	32	139	74
30	42	39	18	25	-	44	5.6	4.5	22	35	123	70
31	36	-	18	23	-	39	-	4.8	-	37	107	-
Total	5,304	1,288	669	496.7	986	668	464.2	157.7	409.2	1,918	2,042	5,259
Mean	171	42.9	21.6	16.0	35.2	21.5	15.5	5.09	13.6	61.9	65.9	175
Cfam	1.98	0.496	0.250	0.185	0.407	0.249	0.179	0.059	0.157	0.716	0.762	2.02
In.	2.28	0.56	0.29	0.21	0.42	0.29	0.20	0.07	0.18	0.82	0.88	2.26

Calendar year 1954: Max 424 Min 1.2 Mean 55.6 Cfam 0.643 In. 18.72
 Water year 1954-55: Max 424 Min 4.1 Mean 55.9 Cfam 0.623 In. 8.46

* Discharge measurement made on this day.

† Computed on basis of revised drainage area.

Note.--Discharge computed from doubtful gage-height record Mar. 13 to Apr. 11.

Reedy Creek near Loughman, Fla.

Location.--Lat 28°15'48", long 81°32'12", in sec. 32, T. 25 S., R. 28 E., on left bank 20 ft upstream from bridge on U. S. Highways 17 and 92, 2½ miles northeast of Loughman, and 3 miles downstream from Davenport Creek.

Drainage area.--117 sq mi (revised), includes part of watershed in Reedy Creek Swamp, which is indeterminate.

Records available.--October 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 64.49 ft above mean sea level, datum of 1929. Prior to Aug. 20, 1940, staff gage at same site and datum.

Extremes.--Maximum discharge during year, 218 cfs Sept. 10 (gage height, 3.25 ft, from recorded range in stage); minimum, 4.1 cfs June 10, 11 (gage height, 1.10 ft). 1939-55: Maximum discharge, 530 cfs Oct. 22, 23, 1944; Sept. 20, 21, 1947; maximum gage height, 4.08 ft Aug. 30, 1953; minimum discharge, 2.6 cfs June 2, 3, 1945; minimum gage height, 0.78 ft June 3, 1945.

Remarks.--Records fair except those for periods of no gage-height record, which are poor. Natural flow of stream affected by several canals which divert an undetermined amount of water into Shingle Creek basin.

Revisions (water years).--WSP 1142: 1940, 1944-45, 1947(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 15					Apr. 16 to Sept. 30				
1.7	3.5	2.4	24		1.1	4.1	2.5	39	
1.8	4.5	2.6	45		1.5	7.0	2.8	87	
1.9	5.5	2.8	83		1.8	9.7	3.0	134	
2.0	7.2	3.1	175		2.1	16	3.3	237	
2.2	13				2.3	24			

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	144	27	38	34	48	*26	22	6.5	11	62	98	a71
2	129	26	37	33	45	24	22	6.2	9.7	62	98	70
3	116	25	34	32	43	23	23	6.0	8.5	58	96	79
4	102	24	33	31	40	23	21	5.9	7.6	54	94	94
5	91	23	32	30	38	21	21	5.8	6.7	*47	91	91
6	86	23	31	30	35	19	18	5.6	6.0	48	83	87
7	83	21	*31	30	34	18	16	5.3	5.4	49	74	98
8	83	21	30	29	34	16	14	5.2	5.0	49	68	155
9	86	20	30	27	35	15	12	5.1	4.6	51	63	178
10	86	19	30	28	35	13	a 11	5.0	4.2	49	57	a200
11	86	19	30	24	41	12	9.2	4.9	4.7	48	52	a185
12	86	19	30	24	45	11	24	4.7	7.2	51	48	171
13	86	21	31	24	48	10	24	4.5	7.2	62	43	143
14	83	28	35	24	53	9.7	24	4.5	6.5	65	42	126
15	79	31	35	24	55	9.0	*24	4.4	6.0	66	*43	109
16	70	37	35	23	51	8.0	23	4.5	6.1	65	44	96
17	61	47	35	25	48	6.9	22	4.7	10	60	46	83
18	55	51	41	*25	45	6.7	19	5.5	12	58	47	79
19	50	53	43	30	43	6.0	17	5.8	14	57	51	76
20	48	55	41	29	40	5.3	15	6.5	15	66	57	70
21	44	53	41	29	39	4.9	13	7.8	17	78	51	63
22	41	50	41	30	38	4.5	12	10	19	78	48	58
23	38	51	41	30	35	4.2	11	11	21	79	57	57
24	35	51	40	38	34	4.7	9.8	11	23	98	62	52
25	33	50	39	45	33	a6.4	9.0	*13	24	119	72	52
26	*30	48	38	51	31	9.4	8.4	12	29	116	94	62
27	30	47	37	55	30	11	8.0	12	31	114	91	68
28	28	45	35	56	28	13	7.6	12	35	109	85	76
29	27	43	34	55	-	20	7.2	12	46	102	79	85
30	30	40	34	53	-----	21	6.9	13	62	98	74	83
31	28	-----	34	51	-----	23	-----	12	-----	96	a72	-----
Total	2,078	1,068	1,096	1,047	1,125	404.7	474.1	232.4	464.4	2,214	2,080	2,917
Mean	67.0	35.6	35.4	33.8	40.2	13.1	15.8	7.50	15.5	71.4	67.1	97.2
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	206			Min	3.4	Mean	51.3	Cfsm	-	In.	-	
Water year 1954-55: Max	200			Min	4.2	Mean	41.6	Cfsm	-	In.	-	

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for Cypress Creek at Vineland.

LAKE OKEECHOBEE AND THE EVERGLADES

Catfish Creek near Lake Wales, Fla.

Location.--Lat 27°57'40", long 81°29'48", in sec. 14, T. 29 S., R. 28 E., on left bank a quarter of a mile downstream from Lake Pierce and 7 miles northeast of Lake Wales.

Drainage area.--58.9 sq mi (revised).

Records available.--October 1947 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 72.70 ft above mean sea level (Corps of Engineers benchmark).

Average discharge.--8 years, 57.7 cfs.

Extremes.--Maximum discharge during year, 54 cfs Nov. 20, Sept. 11; maximum gage height, 3.91 ft Nov. 20; minimum discharge, 16 cfs June 11 (gage height, 3.07 ft).
1947-55: Maximum discharge, 191 cfs Oct. 9, 1953 (gage height, 5.81 ft); minimum, 10 cfs June 29, 1950 (gage height, 2.87 ft).

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 19		Nov. 20 to Feb. 11		Feb. 12 to Sept. 30	
3.5	30	3.5	32	3.0	14
4.0	57	4.0	59	3.4	31
				3.9	57

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	37	44	40	38	41	40	28	25	36	40	41
2	46	37	44	40	38	41	40	27	23	36	39	42
3	46	36	*44	40	38	40	43	26	22	36	39	43
4	46	35	42	40	38	40	42	25	21	35	39	45
5	44	35	41	40	36	39	*41	24	20	34	39	45
6	45	35	43	40	36	39	41	24	19	35	38	44
7	46	34	42	39	37	39	41	23	19	37	38	44
8	46	34	41	39	40	37	40	22	19	38	38	47
9	48	33	40	38	39	36	39	22	18	37	38	50
10	48	33	41	38	40	36	38	22	17	36	38	52
11	48	33	40	*38	44	35	38	21	18	36	*38	53
12	48	34	39	37	46	35	38	20	23	36	36	55
13	47	34	40	38	44	34	36	19	25	36	35	52
14	48	41	42	35	43	34	38	19	22	36	35	52
15	48	47	41	34	43	33	40	19	22	35	35	51
16	46	48	41	34	42	33	40	20	22	35	35	49
17	43	49	40	35	43	32	39	19	26	35	34	50
18	42	50	44	35	44	32	38	*20	26	34	33	51
19	*41	50	44	40	44	31	37	21	26	32	36	51
20	40	51	44	35	44	30	36	22	*26	32	40	50
21	40	49	42	34	43	30	36	27	25	35	40	50
22	38	48	42	34	43	30	36	29	25	38	41	*49
23	38	49	41	34	43	28	35	29	27	38	41	51
24	37	48	41	39	43	30	34	29	34	37	42	50
25	37	48	41	41	43	34	34	30	37	36	44	49
26	36	47	41	40	*42	36	33	30	37	36	44	48
27	36	46	41	40	42	38	31	29	36	36	43	47
28	36	45	41	40	42	38	30	28	36	36	43	46
29	35	45	41	40	-	43	30	27	36	36	42	45
30	40	45	41	40	-----	41	29	26	36	37	41	44
31	38	-----	41	39	-----	41	-----	26	-----	38	41	-----
Total	1,523	1,256	1,290	1,176	1,158	1,106	1,113	753	766	1,110	1,205	1,444
Mean	42.7	41.9	41.6	37.9	41.4	35.7	37.1	24.3	25.5	35.8	38.9	48.1
Cfs/m	0.725	0.711	0.706	0.645	0.705	0.606	0.650	0.415	0.433	0.608	0.662	0.817
In.	0.84	0.79	0.81	0.74	0.75	0.70	0.70	0.48	0.48	0.70	0.76	0.91

Calendar year 1954: Max 120 Min 33 Mean 55.1 Cfs/m 0.935 In. †12.70
Water year 1954-55: Max 53 Min 17 Mean 37.5 Cfs/m 0.637 In. 8.64

* Discharge measurement made on this day.

† Computed on basis of revised drainage area.

Hatchineha-Kissimmee Canal near Lake Wales, Fla.

Location.--Lat 28°00'00", long 81°22'50", in sec. 36, T. 28 S., R. 29 E., on southeast shore of Lake Hatchineha at head of Hatchineha-Kissimmee Canal, 3½ miles upstream from Lake Kissimmee and 14 miles east of Lake Wales.

Drainage area.--Indeterminate. Total drainage area of Hatchineha-Kissimmee Canal above site of staff gage at Camp Mack and Cypress-Kissimmee Canal above station is 1,185 sq mi.

Records available.--May 1942 to September 1949 (discharge measurements only), October 1949 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 47.23 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Oct. 1, 1950, staff gage at Camp Mack 1.6 miles downstream at datum 0.48 ft lower.

Average discharge.--6 years, 786 cfs.

Extremes.--Maximum discharge during year, 994 cfs Oct. 14 (gage height, 4.53 ft); minimum, 65 cfs June 21 (gage height, 1.08 ft), affected by wind.
1949-55: Maximum daily discharge, 2,820 cfs Oct. 1, 1953; maximum gage height, 9.74 ft Oct. 9, 1953 (affected by wind); minimum discharge, that of June 21, 1955.

Remarks.--Records good. Discharge measurement are made about 1½ miles downstream near staff gage at Camp Mack. Records do not include diversions above Lake Hatchineha through Cypress-Kissimmee Canal and overflow channels.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	710	*666	589	501	432	482	382	216	142	126	178	381
2	744	658	604	507	441	480	382	207	138	126	184	386
3	779	663	588	501	446	470	399	201	128	125	189	389
4	799	619	569	499	432	457	388	192	122	123	204	395
5	803	623	547	490	422	450	382	185	117	120	216	398
6	819	621	609	484	416	448	379	183	*110	118	228	398
7	831	599	587	478	437	438	377	175	108	120	237	407
8	847	583	544	469	464	430	366	170	108	125	245	443
9	889	576	534	466	446	408	356	170	102	123	254	480
10	915	561	570	452	438	*395	346	164	90	123	262	512
11	923	535	536	460	493	390	342	158	91	118	266	537
12	948	526	514	435	512	384	334	152	108	127	260	555
13	952	537	535	454	482	376	323	146	106	*137	260	564
14	968	561	566	415	470	364	330	142	102	137	262	573
15	968	586	539	402	466	357	334	138	97	136	272	581
16	956	595	518	394	463	357	330	133	92	136	284	577
17	940	598	497	410	488	347	318	131	97	137	280	581
18	928	603	551	404	510	339	309	131	94	134	280	590
19	920	603	558	467	519	329	301	138	94	133	296	595
20	908	628	*561	399	519	314	*294	144	94	133	325	590
21	887	595	531	378	514	304	288	149	96	133	336	595
22	862	585	518	378	514	310	284	159	92	142	345	608
23	842	626	516	374	517	287	275	170	96	142	345	630
24	830	613	516	433	519	294	267	168	100	142	345	626
25	819	609	513	*462	514	317	263	166	109	144	*345	621
26	799	607	516	452	495	334	260	163	120	147	357	621
27	775	583	507	454	492	349	243	158	120	154	362	612
28	756	581	504	452	490	349	234	152	120	156	365	603
29	741	598	504	480	-	382	232	147	117	157	362	590
30	735	595	510	453	-----	377	223	146	117	159	357	581
31	698	-----	507	439	-----	382	-----	149	-----	166	365	-----
Total	28,271	17,933	16,756	13,822	13,351	11,698	9,541	5,003	3,227	4,199	8,866	16,019
Mean	847	598	541	446	477	377	318	161	108	135	286	534
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	1,950			Min	360		Mean	779	Cfsm	-	In.	-
Water year 1954-55: Max	968			Min	90		Mean	402	Cfsm	-	In.	-

* Discharge measurement made on this day.

LAKE OKEECHOBEE AND THE EVERGLADES

Cypress-Kissimmee Canal near Lake Wales, Fla.

Location.--Lat 28°00'20", long 81°16'20", in sec. 36, T. 28 S., R. 30 E., near right bank 1.1 miles upstream from Lake Kissimmee, 4.6 miles downstream from Cypress Lake, and 20 miles east of Lake Wales.

Drainage area.--Indeterminate. Total drainage area of Hatchineha-Kissimmee Canal above site of staff gage at Camp Mack and Cypress-Kissimmee Canal above station is 1,185 sq mi.

Records available.--November 1950 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 47.21 ft above mean sea level, datum of 1929 (from simultaneous water-level readings with Lake Kissimmee during period of no flow).

Extremes.--1950-55: Maximum discharge measured, 3,230 cfs Oct. 16, 1953; no flow at times each year.

Remarks.--Discharge at this station consists of overflow from Cypress Lake and Cypress-Hatchineha Canal and natural drainage from marshland south of Cypress Lake. Greater part of flow from Cypress Lake, except during high water, is through Hatchineha-Kissimmee Canal (see preceding page). No flow observed since June 23, 1954. Discharge measurements or no flow observations generally made every six weeks.

Kissimmee River below Lake Kissimmee, Fla.

Location.--Lat 27°46'13", long 81°10'45", in sec. 24, T. 31 S., R. 31 E., on right bank 3 miles downstream from Lake Kissimmee and bridge on State Highway 60 and 22 miles east of Frostproof.

Drainage area.--1,609 sq mi at State Highway 60 (includes areas drained by Lake Weohyakapka and Lake Marian).

Records available.--October 1933 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 43.48 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Mar. 21, 1934, staff gage at bridge 3 miles upstream at datum 44.73 ft lower. Mar. 21, 1934, to Sept. 30, 1950, water-stage recorder at present site at datum 45.00 ft lower than present datum. Since Mar. 21, 1934, staff gage at bridge 3 miles upstream used as supplementary gage.

Average discharge.--22 years, 1,199 cfs.

Extremes.--Maximum discharge during year, 1,140 cfs Oct. 30; maximum gage height, 7.12 ft Dec. 7; minimum discharge, 216 cfs June 21 (gage height, 2.52 ft, affected by wind). 1933-55: Maximum discharge, 8,820 cfs Oct. 5 or 6, 1948; maximum gage height, 13.16 ft Oct. 9, 1953 (from floodmark); no flow Sept. 3, 4, 1935, caused by hurricane blowing upstream; minimum gage height observed, 1.10 ft Sept. 4, 1935, at present datum.

Remarks.--Records fair.

Revisions.--WSP 1204: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 25 to Nov. 11, May 23 to June 7, July 2 to Sept. 4)

2.9	269	6.0	785
3.0	284	7.0	1,070
5.0	602		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	914	1,030	958	830	747	698	614	523	356	347	350	391
2	908	*1,020	947	830	745	696	602	505	353	350	358	391
3	914	1,060	950	833	747	687	631	518	*332	347	367	390
4	914	994	931	828	745	682	619	486	318	343	367	395
5	908	991	905	822	713	684	607	473	316	335	374	388
6	914	1,020	958	818	685	682	600	473	310	322	374	388
7	916	998	927	818	707	680	602	460	316	331	371	387
8	934	977	914	807	751	693	609	452	323	350	374	391
9	938	963	888	803	747	666	592	452	328	348	375	412
10	944	954	934	797	722	*658	580	444	298	350	374	414
11	934	934	894	801	739	660	574	433	272	329	372	436
12	947	934	875	801	791	657	577	427	305	332	356	459
13	947	928	867	822	781	653	545	407	306	*348	350	465
14	998	947	908	797	724	648	572	414	305	347	358	475
15	991	977	888	771	718	641	565	420	305	342	363	478
16	1,010	977	880	759	711	641	588	412	288	340	383	476
17	980	977	*855	771	715	639	582	403	296	348	358	484
18	980	994	886	753	730	628	575	393	276	343	350	491
19	984	991	894	822	720	629	564	382	275	331	350	483
20	963	1,000	905	787	711	619	*558	379	298	328	364	481
21	970	987	880	751	711	595	556	372	296	318	369	491
22	957	967	867	737	709	612	558	372	293	316	366	492
23	957	984	855	726	711	622	548	377	293	320	364	495
24	957	977	855	811	709	612	535	377	302	311	*358	495
25	957	970	853	*799	720	619	539	372	308	322	356	492
26	957	970	850	785	708	619	551	372	316	324	369	497
27	954	954	839	773	703	657	529	363	317	320	382	497
28	947	931	833	769	700	658	524	361	328	329	395	499
29	950	950	830	777	-	671	519	351	329	329	395	494
30	1,050	954	835	769	-----	629	516	348	335	317	375	500
31	1,050	-----	833	759	-----	621	-----	358	-----	320	377	-----
Total	29,644	29,310	27,514	24,526	20,301	20,156	17,151	12,879	9,293	10,337	11,374	13,627
Cfsm	956	977	888	791	725	650	572	415	310	333	367	454
Mean	0.594	0.607	0.552	0.492	0.451	0.404	0.356	0.258	0.193	0.207	0.228	0.282
In.	0.69	0.68	0.64	0.57	0.47	0.47	0.40	0.30	0.21	0.24	0.26	0.31

Calendar year 1954: Max 3,190 Min 830 Mean 1,293 Cfsm 0.804 In. 10.93
Water year 1954-55: Max 1,050 Min 272 Mean 619 Cfsm 0.385 In. 5.24

* Discharge measurement made on this day.

Reedy Lake Outlet near Frostproof, Fla.

Location.--Lat 27°43'13", long 81°28'40", in SW $\frac{1}{4}$ (revised) sec. 1, T. 32 S., R. 28 E., on left bank 15 ft upstream from highway bridge, 100 ft downstream from Reedy Lake, and $\frac{3}{4}$ miles southeast of Frostproof.

Drainage area.--62.2 sq mi.

Records available.--October 1946 to September 1955.

Gage.--Water-stage recorder and concrete control. Datum of gage is 76.05 ft above mean sea level, datum of 1929.

Average discharge.--9 years, 42.6 cfs.

Extremes.--Maximum discharge during year, 57 cfs Oct. 2 (gage height, 2.58 ft); minimum daily, 0.2 cfs June 10, 11, caused by temporary cofferdam at control; minimum gage height, 1.30 ft May 21 (wind effect).

1946-55: Maximum discharge, 166 cfs Oct. 2-6, 1948; maximum gage height, 4.37 ft Oct. 5, 1948; minimum daily discharge, that of June 10, 11, 1955; minimum gage height, that of May 21, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 7-13)

1.1	0.2	1.5
1.2	.9	1.8
1.3	2.8	2.0
1.4	6.0	3.0
		75

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	45	*36	33	33	31	24	13	16	29	41	30
2	56	45	36	32	33	31	25	11	15	30	40	32
3	56	44	35	33	33	30	29	11	14	29	39	32
4	56	42	34	32	33	30	29	9.6	12	28	38	33
5	55	42	34	32	32	30	*28	11	12	27	38	32
6	55	41	34	32	31	29	27	11	11	28	38	32
7	56	40	34	32	32	29	27	10	6.1	33	37	31
8	56	39	32	32	34	28	27	9.1	.4	35	36	34
9	56	39	32	31	33	25	25	8.6	.4	34	35	37
10	56	39	33	31	32	24	24	8.6	.2	34	35	38
11	55	39	32	*31	33	24	24	8.1	.2	34	*34	39
12	55	39	31	30	33	24	27	7.6	.4	34	33	39
13	54	39	32	30	31	23	26	7.0	*4.9	34	32	39
14	54	42	34	28	29	23	28	7.0	8.1	34	33	38
15	54	44	33	27	29	22	28	6.5	7.6	34	33	38
16	52	44	33	26	29	21	27	5.7	7.0	34	33	36
17	50	44	32	29	31	21	25	6.5	8.1	34	32	36
18	48	44	34	29	33	20	24	8.1	7.0	34	31	36
19	47	43	34	32	33	19	22	*9.6	7.0	33	31	36
20	*45	43	34	30	33	18	21	9.1	9.6	34	31	36
21	45	41	34	28	33	17	21	9.6	*12	34	31	*36
22	43	41	33	28	33	18	20	11	11	34	30	36
23	42	41	33	27	33	15	20	17	13	34	32	35
24	41	40	33	34	32	17	19	16	18	33	32	35
25	41	39	33	35	32	21	18	17	18	33	32	34
26	41	38	33	35	32	22	18	17	17	33	31	34
27	40	37	33	34	32	23	16	16	17	35	30	33
28	39	36	33	34	*32	23	15	15	17	35	30	33
29	39	36	33	34	-	29	15	14	18	36	29	32
30	47	36	33	34	-----	25	14	15	24	39	29	32
31	46	-----	33	33	-----	24	-----	17	-----	39	29	-----
Total	1,536	1,222	1,033	968	899	756	693	342.7	312.0	1,031	1,035	1,044
Mean	49.5	40.7	33.3	31.2	32.1	23.7	23.1	11.1	10.4	33.3	33.4	34.8
Cfs/m	0.796	0.854	0.535	0.502	0.516	0.381	0.371	0.178	0.167	0.535	0.537	0.559
In.	0.92	0.73	0.62	0.58	0.54	0.44	0.41	0.20	0.19	0.62	0.62	0.62
Calendar year 1954: Max	103			Min 31			Mean 56.5	Cfs/m 0.908	In. 12.31			
Water year 1954-55: Max	56			Min 0.2			Mean 29.7	Cfs/m 0.477	In. 6.49			

* Discharge measurement made on this day.

Arbuckle Creek near De Soto City, Fla.

Location.--Lat 27°27'30", long 81°18'15", in SW $\frac{1}{4}$ sec. 2, T. 35 S., R. 30 E., on left bank 0.4 mile downstream from Arbuckle Branch, 1.6 miles upstream from bridge on U. S. Highway 98, 2.6 miles upstream from Lake Istokpoga, and 6 $\frac{1}{2}$ miles east of De Soto City. Prior to Oct. 11, 1954, at site 1.6 miles downstream.

Drainage area.--385 sq mi (excludes area drained by Lake Weehyakapka and includes area drained by Lake Sebring).

Records available.--June 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 35.53 ft above mean sea level, datum of 1929. Prior to June 24, 1942, water-stage recorder, June 24, 1942, to Oct. 19, 1943, staff gage, and Oct. 20, 1943, to Oct. 10, 1954, water-stage recorder, at site 1.6 miles downstream at datum 0.02 ft lower. Since Oct. 11, 1954, water-stage recorder at lower site used as auxiliary gage.

Average discharge.--16 years, 405 cfs.

Extremes.--Maximum discharge during year, 902 cfs at 12:01 a.m. Oct. 1 (stage falling from peak of Sept. 26, 27, 1954); maximum peak discharge, 296 cfs Nov. 16, 17 (gage height, 5.15 ft); minimum discharge, 19 cfs June 16 (gage height, 1.85 ft). 1939-55: Maximum discharge, 7,380 cfs Sept. 23, 1948 (gage height, 8.71 ft, site and datum then in use), from rating curve extended above 5,300 cfs; minimum 6.8 cfs June 21, 1945.

Remarks.--Records good. Records include small diversions into Lake Arbuckle from Lake Weehyakapka through Blue Jordan Swamp. Since Mar. 3, 1955, records do not include surface runoff from 6.0 sq mi which has been diverted from basin by agricultural developments.

Revisions (water years).--WSP 1204: Drainage area. WSP 1274: 1939-50.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	865	247	183	162	195	119	107	52	37	156	197	89
2	829	240	180	159	183	116	122	51	36	137	176	98
3	800	231	174	155	174	114	205	49	34	117	161	102
4	771	*224	171	*152	166	112	187	48	32	99	154	109
5	725	220	169	150	160	110	169	46	30	83	146	111
6	683	214	168	146	154	107	148	44	28	73	137	109
7	653	208	165	145	149	*104	131	44	26	74	125	118
8	617	204	164	142	150	102	116	43	25	145	*118	146
9	598	198	161	141	156	99	106	40	23	155	113	184
10	579	195	156	138	154	97	98	*38	22	158	106	231
11	553	196	152	137	152	95	93	41	21	157	99	248
12	*523	200	151	134	148	94	88	43	25	158	92	248
13	502	209	149	134	144	92	85	40	25	155	87	242
14	487	232	*152	130	139	91	84	37	24	*160	86	229
15	480	288	157	128	*135	90	86	37	21	146	86	214
16	461	294	159	126	131	88	82	37	20	138	88	198
17	444	294	157	129	137	85	78	42	*20	167	85	187
18	429	295	195	156	143	84	76	42	23	145	83	177
19	415	288	241	141	149	81	73	47	22	123	86	*172
20	402	281	*249	140	148	80	71	50	22	120	85	166
21	388	267	243	138	142	78	69	56	24	136	84	165
22	373	*252	236	134	136	77	*67	62	28	140	83	173
23	359	242	224	130	134	74	65	61	37	130	82	169
24	342	233	214	146	130	87	65	58	32	120	79	161
25	325	224	203	226	128	108	65	54	57	121	78	154
26	309	216	194	*254	126	103	62	52	57	116	*76	151
27	292	208	186	258	124	99	61	50	51	112	75	147
28	278	200	180	254	122	98	59	47	57	146	73	142
29	266	194	175	246	-	125	57	44	85	139	74	135
30	266	188	171	230	-----	*122	54	40	165	130	76	129
31	257	---	167	211	-----	116	-----	*38	-----	132	78	-----
Total	15,271	6,982	5,646	5,052	4,109	3,047	2,829	1,433	1,109	4,088	3,168	4,904
Mean	4.93	2.33	1.82	1.63	1.47	98.3	94.3	45.2	37.0	132	102	163
Cfsm	1.28	0.605	0.475	0.425	0.382	0.255	0.245	0.120	0.096	0.343	0.265	0.423
In.	1.48	0.67	0.55	0.49	0.40	0.29	0.27	0.14	0.11	0.39	0.31	0.47
Calendar year 1954: Max			1,400		Min 126	Mean 403	Cfsm 1.05	In. 14.22				
Water year 1954-55: Max			865		Min 20	Mean 158	Cfsm 0.410	In. 5.57				

* Discharge measurement made on this day.

Josephine Creek near De Soto City, Fla.

Location.--Lat 27°22'26", long 81°23'37", in SE $\frac{1}{4}$ sec. 2, T. 36 S., R. 29 E., on left bank 320 ft downstream from bridge on State Highway 17, 1 mile downstream from Jack Creek, and 4 miles south of De Soto City.

Drainage area.--109 sq mi (revised), excludes area drained by Lake Sebring.

Records available.--October 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 52.99 ft above mean sea level, datum of 1929 (State Road Department benchmark). Prior to May 21, 1952, at site half a mile upstream at datum 0.89 ft higher.

Average discharge.--9 years, 116 cfs.

Extremes.--Maximum discharge during year, 234 cfs at 12:01 a.m. Oct. 1 (stage falling from peak of Sept. 29, 30, 1954); maximum peak discharge, 170 cfs Sept. 22 (gage height, 5.21 ft); minimum discharge, 3.8 cfs May 14 (gage height, 1.86 ft).

1946-55: Maximum discharge, 1,780 cfs Sept. 23, 1948 (gage height, 11.56 ft, site and datum then in use); minimum, 1.1 cfs May 12, 13, 14, 15, 1950; minimum gage height, 1.86 ft May 14, 1955.

Remarks.--Records good. Small diversions for irrigation of citrus groves above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

2.0	6.0	4.0	66
2.5	16	4.5	90
3.0	30	5.0	139
3.5	46	6.0	326

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	230	95	80	69	62	51	20	9.4	8.0	71	57	48
2	227	92	79	68	61	*50	22	7.6	7.8	65	69	47
3	221	90	78	68	61	49	31	7.6	7.3	59	86	49
4	213	87	77	67	60	47	28	7.8	7.1	56	80	46
5	206	85	76	67	58	44	26	7.4	6.8	52	72	44
6	200	85	78	66	56	42	24	7.3	6.6	50	67	43
7	198	83	78	65	56	40	*22	7.0	6.5	53	62	50
8	206	81	75	65	58	38	21	8.1	6.5	71	*58	64
9	198	80	74	64	58	35	20	9.2	6.3	68	57	83
10	193	79	72	64	57	33	19	7.6	6.0	62	65	92
11	186	78	72	63	57	31	18	7.1	6.3	59	59	103
12	181	78	70	62	57	30	18	6.3	23	58	54	110
13	173	79	70	*81	55	30	18	6.3	24	56	51	109
14	166	89	72	60	53	27	17	6.0	17	54	50	105
15	165	98	71	59	53	26	20	7.6	15	52	49	102
16	155	94	69	58	52	25	19	6.6	16	52	48	97
17	147	94	68	60	54	24	18	8.5	24	52	46	92
18	138	94	79	60	58	22	16	8.3	22	50	45	90
19	131	92	82	60	58	21	16	12	19	46	46	116
20	125	94	80	58	57	22	15	12	18	52	46	138
21	*120	92	78	57	56	19	14	12	18	61	46	*157
22	117	89	76	55	55	18	14	12	*18	57	51	166
23	113	89	75	54	54	17	14	12	22	54	48	162
24	110	88	74	62	54	22	13	11	19	53	46	155
25	106	87	74	77	53	29	12	*11	22	51	44	144
26	103	85	73	72	53	25	12	10	21	52	44	132
27	101	84	72	69	53	24	10	9.4	20	51	42	124
28	99	82	72	68	52	23	9.4	9.0	20	49	40	*114
29	97	82	70	67	52	26	8.9	8.7	23	51	39	107
30	103	*81	69	65	53	24	8.3	8.1	38	63	37	100
31	100	---	69	63	---	22	---	8.0	---	57	40	---
Total	4,826	2,606	2,302	1,973	1,571	956	523.6	270.9	474.2	1,739	1,644	2,989
Mean	156	86.9	74.3	63.6	56.1	30.2	17.5	8.74	15.8	56.1	53.0	99.6
Cfs/m	1.43	0.797	0.682	0.583	0.515	0.277	0.161	0.080	0.145	0.515	0.486	0.914
In.	1.65	0.89	0.79	0.67	0.54	0.32	0.18	0.09	0.16	0.59	0.56	1.02

Calendar year 1954: Max 422 Min 20 Mean 119 Cfs/m 1.09 In. +14.87
 Water year 1954-55: Max 230 Min 6.0 Mean 59.9 Cfs/m 0.550 In. 7.46

* Discharge measurement made on this day.

† Computed on basis of revised figure for drainage area.

Istokpoga Canal near Cornwell, Fla.

Location.--Lat 27°22'56", long 81°09'45", in SE $\frac{1}{4}$ sec. 30, T. 35 S., R. 32 E., on downstream side near center of bridge on U. S. Highway 98, 100 ft downstream from Seaboard Air Line Railroad bridge, $\frac{1}{2}$ miles upstream from Kissimmee River, and $\frac{1}{2}$ miles northwest of Cornwell Post Office. Prior to Mar. 10, 1955, at site a quarter of a mile downstream.

Drainage area.--624 sq mi.

Records available.--March 1934 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 29.71 ft above mean sea level (levels by Corps of Engineers). Prior to May 15, 1942, and Aug. 19, 1949, to Mar. 9, 1955, water-stage recorder and May 15, 1942, to Aug. 19, 1949, staff gage, at site a quarter of a mile downstream at same datum. Since June 3, 1953, auxiliary water-stage recorder $\frac{1}{2}$ miles upstream.

Average discharge.--21 years, 434 cfs.

Extremes.--Maximum daily discharge during year, 952 cfs Oct. 15; maximum gage height, 7.42 ft Oct. 5, 8; minimum daily discharge, 13 cfs June 7-11, 13-21; minimum gage height, 3.58 ft Sept. 30.

1934-55: Maximum discharge, 2,040 cfs Sept. 22, 1948; maximum gage height, 11.41 ft Oct. 12, 1953; no flow May 22 to June 15, 1949, caused by temporary cofferdam upstream.

Remarks.--Records fair. Slight regulation at low flow by manipulation of stoplogs in dam above station since June 1949. Some diversions at times during high water from Lake Istokpoga into Indian Prairie and Harney Pond Canals when levees on southeast shore of lake are overtopped or washed out. Records of chemical analyses for water year 1955 are given in WSP 1400.

Revisions.--WSP 1204: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	923	743	556	308	299	271	102	90	15	289	357	253
2	935	759	570	312	300	258	98	91	14	270	357	285
3	946	714	558	299	293	284	105	91	15	244	444	256
4	949	*709	535	*299	265	254	102	89	14	232	473	242
5	951	707	528	305	264	254	100	158	14	245	453	228
6	935	705	535	305	269	268	100	132	14	234	408	217
7	942	670	509	295	289	*262	98	23	13	245	388	281
8	946	659	499	295	291	235	103	22	13	280	*372	295
9	935	647	500	296	276	226	101	20	13	274	366	316
10	939	659	426	296	279	213	98	*19	13	266	370	310
11	942	619	330	303	300	212	98	19	13	276	377	321
12	*941	614	331	280	279	214	96	19	14	267	354	210
13	929	614	336	303	263	216	94	17	13	268	333	107
14	936	641	*355	269	270	195	94	17	13	267	327	102
15	952	665	333	266	*265	169	94	17	13	*269	318	99
16	933	665	314	267	263	150	94	17	13	275	312	100
17	893	660	308	266	276	110	94	17	*13	263	303	101
18	884	648	335	262	280	109	94	17	13	265	286	111
19	887	654	347	324	271	107	97	17	13	242	279	*120
20	666	665	341	266	272	104	95	16	13	270	281	123
21	855	641	338	255	281	98	95	16	13	292	284	115
22	828	*625	331	265	281	104	*97	16	14	289	276	114
23	819	633	326	265	276	105	99	16	14	285	268	108
24	809	629	326	273	274	100	97	16	15	283	270	69
25	602	618	325	311	266	102	99	16	15	316	257	40
26	794	600	317	*296	266	104	99	16	15	308	*255	37
27	787	598	308	300	266	102	96	16	165	298	247	45
28	779	591	319	299	265	100	96	16	237	298	240	43
29	781	589	317	307	-	104	92	15	215	296	233	42
30	796	561	322	308	-----	*100	92	15	247	298	221	46
31	764	-----	317	303	-----	98	-----	*15	-----	294	230	-----
Total	27,378	19,462	12,092	8,998	7,739	5,208	2,919	1,081	1,219	8,498	9,939	4,734
Mean	883	649	390	290	276	168	97.3	34.9	40.6	274	321	158
Cfsm	1.42	1.04	0.625	0.465	0.442	0.269	0.156	0.056	0.065	0.459	0.514	0.253
In.	1.63	1.16	0.72	0.54	0.46	0.31	0.17	0.06	0.07	0.51	0.59	0.28
Calendar year 1954: Max 1,170 Min 248 Mean 682 Cfsm 1.09 In. 14.84												
Water year 1954-55: Max 952 Min 13 Mean .299 Cfsm 0.479 In. 6.50												

* Discharge measurement made on this day.

Kissimmee River near Okeechobee, Fla.

Location (revised).--Lat 27°14'18", long 80°58'57", in sec. 25, T. 37 S., R. 33 E., on downstream end of left pier of bridge on State Highway 70, 9.4 miles west of Okeechobee, and 16 miles upstream from Lake Okeechobee.

Drainage area.--2,886 sq mi.

Records available.--October 1930 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1.37 ft below mean sea level, datum of 1929. Prior to Apr. 28, 1949, staff gage at same site and datum.

Average discharge.--25 years, 2,035 cfs.

Extremes.--Maximum discharge during year, 2,960 cfs Oct. 15 (gage height, 23.26 ft); minimum, 317 cfs June 9 (gage height, 16.84 ft).

1930-55: Maximum discharge, 17,800 cfs Oct. 14, 1953; maximum gage height, 29.34 ft Oct. 7, 1948; minimum discharge observed, 231 cfs May 18, 1932; minimum gage height, that of June 9, 1955.

Flood of August 1928, resulting from hurricane, reached a peak of 30.3 ft (discharge, 20,000 cfs, from rating curve extended above 14,000 cfs).

Remarks.--Records good. Records of chemical analyses and water temperatures for the water year 1955 are given in WSP 1400.

Revisions.--WSP 1204: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 10 to Mar. 18)

16.8	307
18.0	647
21.0	1,910
24.0	3,380

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,680	2,090	1,830	1,440	1,440	1,130	836	618	*381	1,180	976	781
2	2,780	2,070	1,810	1,430	1,420	1,110	828	615	383	1,440	1,060	810
3	2,790	*2,050	1,780	1,410	1,400	1,090	836	609	381	1,590	1,140	884
4	2,790	2,020	1,770	1,400	1,380	1,070	854	608	378	1,680	1,260	949
5	2,780	2,000	1,760	1,390	1,370	1,060	869	606	370	1,700	1,340	968
6	2,770	1,970	1,750	1,380	1,310	1,050	851	625	359	1,650	1,400	964
7	2,780	1,950	1,710	1,370	1,300	1,040	828	647	343	1,510	1,430	972
8	2,790	1,930	1,720	1,360	1,280	*1,020	810	569	330	1,320	1,410	976
9	2,800	1,910	1,710	1,340	1,280	1,020	799	525	320	1,230	1,460	1,010
10	2,820	1,900	1,680	1,330	1,250	1,000	792	510	323	1,150	1,480	1,050
11	2,850	1,890	1,670	1,320	1,240	996	781	508	336	1,090	1,560	1,110
12	2,880	1,880	1,650	1,300	1,210	984	767	485	394	1,190	1,610	1,160
13	2,900	1,860	1,640	1,300	1,200	976	767	474	400	1,200	1,580	1,170
14	2,920	1,920	1,620	1,280	1,200	960	756	460	367	1,140	1,480	1,170
15	2,940	1,990	*1,610	1,260	1,180	952	732	451	359	1,010	1,340	1,180
16	2,910	1,990	1,580	1,240	1,170	925	711	457	*359	925	1,160	1,200
17	2,840	1,990	1,570	1,240	1,180	899	707	457	391	888	1,050	1,220
18	2,780	1,990	1,590	1,230	1,180	862	700	462	432	*843	984	1,250
19	2,670	1,980	1,800	1,200	1,190	832	704	471	413	803	941	1,300
20	2,600	1,980	1,570	1,200	1,180	817	711	468	381	771	895	1,310
21	2,530	1,970	1,560	1,200	1,170	807	704	457	351	810	891	1,320
22	2,460	1,960	1,540	1,210	1,160	778	704	474	364	821	888	1,360
23	2,400	1,960	1,530	1,200	1,150	763	697	446	383	814	906	1,360
24	2,350	1,950	1,520	1,280	1,140	771	690	426	359	810	895	1,350
25	2,300	1,930	1,500	1,440	1,130	821	673	421	545	1,000	899	1,320
26	2,260	1,900	1,490	1,430	1,120	836	*660	418	1,100	1,170	876	1,280
27	2,220	1,890	1,490	*1,420	1,150	821	650	408	972	1,180	847	1,210
28	2,190	1,880	1,480	1,460	1,150	807	647	402	828	1,150	810	1,130
29	2,170	1,860	1,470	1,440	-	817	644	394	847	1,060	781	1,030
30	2,150	1,840	1,460	1,460	-----	828	637	391	960	980	*774	937
31	2,120	-----	1,440	1,450	-----	836	-----	391	-----	922	781	-----
Total	81,180	58,500	50,100	41,410	34,530	28,678	22,345	15,251	14,109	35,027	34,904	33,731
Mean	2,619	1,950	1,616	1,336	1,233	925	745	492	470	1,130	1,126	1,124
Cfs/m	0.907	0.676	0.560	0.463	0.427	0.321	0.258	0.170	0.163	0.392	0.390	0.389
In.	1.05	0.75	0.65	0.53	0.44	0.37	0.29	0.20	0.18	0.45	0.45	0.43
Calendar year 1954: Max	6,150			Min	1,420	Mean	2,744	Cfs/m	0.951	In.	12.92	
Water year 1954-55: Max	2,940			Min	320	Mean	1,232	Cfs/m	0.427	In.	5.79	

* Discharge measurement made on this day.

Note.--Discharge computed from once-daily staff-gage readings Jan. 9-23, Feb. 6 to Mar. 7, Mar. 18 to Apr. 24, June 2-8, 14, 15.

LAKE OKEECHOBEE AND THE EVERGLADES

Taylor Creek above Okeechobee, Fla.

Location.--Lat 27°17'03", long 80°49'20", in NW $\frac{1}{4}$ sec. 3, T. 37 S., R. 35 E., near right bank on downstream side of county bridge, 0.8 mile downstream from small tributary canal, 2.8 miles north of Okeechobee, and 7.6 miles upstream from Lake Okeechobee.

Drainage area.--98.7 sq mi.

Records available.--June to September 1955.

Gage.--Water-stage recorder. Datum of gage is 18.22 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during period, 439 cfs July 4 (gage height, 4.73 ft); no flow June 9-11.

During flood of October 1950 a discharge of 2,470 cfs was measured at a stage of 7.81 ft.

Remarks.--Records fair.

Rating tables, June 7 to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

June 7 to July 4, Aug. 6 to Sept. 30				July 5 to Aug. 5	
2.3	0	3.2	6.1	3.3	14
2.4	.1	3.3	10	3.5	31
2.6	.3	3.4	15	3.8	69
2.7	.5	3.7	45	4.0	117
2.8	.8	3.9	83	4.6	373
2.9	1.5	4.2	194		
3.0	2.4	4.8	475		
3.1	3.9				

Discharge, in cubic feet per second, 1955

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1	-	263	168	139	11	0	95	68	168	21	53	17	63	100
2	-	339	177	185	12	.8	80	48	139	22	56	17	95	109
3	-	408	207	216	13	1.7	63	38	116	23	61	16	103	106
4	-	428	*224	203	14	2.5	50	33	106	24	59	17	98	
5	-	363	254	185	15	2.1	*38	29	100	25	56	35	164	76
6	-	284	220	181	16	5.3	28	*33	92	26	51	45	237	63
7	0.1	216	168	289	17	22	23	43	79	27	*43	49	228	51
8	.1	160	128	280	18	37	19	50	70	28	37	52	194	42
9	*0	131	103	241	19	51	18	54	70	29	81	49	*151	36
10	0	120	83	198	20	51	17	61	79	30	185	52	109	30
										31		114	109	
Total.....											3,606	3,740	3,841	
Mean.....											116	121	128	
Cubic feet per second per square mile.....											1.18	1.23	1.30	
Runoff in inches.....											1.36	1.41	1.45	

* Discharge measurement or observation of no flow made on this day.

St. Lucie Canal at lock, near Stuart, Fla.

Location.--Lat 27°07', long 80°17', in Salerno Grant, T. 39 S., R. 41 E., at upstream end of right lock wall, 6 miles southwest of Stuart.

Records available.--October 1952 to September 1955. Gage-height records collected at same site since December 1924 are contained in files of the Everglades Drainage District and Corps of Engineers. Unpublished discharge records November 1948 to September 1952 are contained in files of Corps of Engineers.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1948, staff gage at same site and at various datums. Since Sept. 5, 1952, auxiliary water-stage recorder at Arundel Bridge, 1.9 miles upstream.

Extremes.--1952-55: Maximum daily discharge, 10,500 cfs Oct. 10, 1953. Lock closed on many days in most years; net flow during these periods consists of leakage and lockage through Stuart lock (generally less than 10 cfs).

Remarks.--Flow regulated by lock near Stuart. Lock closed Oct. 1-6, Oct. 19 to Dec. 9, Dec. 11 to Sept. 30. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Cooperation.--Records furnished by Corps of Engineers.

Discharge, in cubic feet per second, 1955

Oct. 7.....	409	Oct. 14.....	1,800
8.....	1,780	15.....	1,830
9.....	1,780	16.....	1,800
10.....	1,790	17.....	1,780
11.....	1,790	18.....	1,180
12.....	1,790	Dec. 10.....	77
13.....	1,780		

Note.--No discharge measurements made during the year. On days for which no discharge is shown, flow consists of leakage and lockage, generally less than 10 cfs.

West Palm Beach Canal at Canal Point, Fla.

Location.--Lat 26°51'50", long 80°37'55", in NE¼ sec. 33, T. 41 S., R. 37 E., on right bank in hurricane gate structure 5 at Lake Okeechobee, in Canal Point, 200 ft upstream from U. S. Highway 441.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Jan. 14, 1954, staff gage at site 550 ft downstream at same datum. Since May 1940, auxiliary water-stage recorder below lock and dam.

Extremes.--1939-55: Maximum daily discharge, 817 cfs Mar. 18, 1948; maximum gage height observed, 18.54 ft Oct. 23, 1947, at former site; maximum daily reverse flow, 1,760 cfs June 15, 1942; minimum gage height observed, 8.48 ft June 15-17, 1952, at former site.

Remarks.--Records poor. Flow regulated at station by operation of hurricane gates. Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades. Discharge computed using three daily observations of velocity. Records of chemical analyses for the 1955 water year are published in WSP 1400.

Correction.--The monthly mean discharge for September 1954 should have been a minus 296 cfs rather than plus 296 cfs as published in WSP 1334.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-549	189	256	217	187	242	335	776	310	0	-75	0
2	-432	253	271	211	187	196	404	502	282	-59	301	0
3	-503	311	294	251	204	196	394	679	297	-497	134	0
4	-465	233	315	240	162	218	159	709	267	-304	32	0
5	-472	279	244	200	133	224	*258	716	*382	-219	172	0
6	-260	317	356	235	157	263	325	731	494	-277	274	0
7	82	275	325	240	231	278	419	715	454	123	225	0
8	-244	273	284	239	279	317	513	542	444	-96	332	0
9	-81	266	*260	160	158	*481	250	666	625	129	316	0
10	-99	288	360	222	214	578	260	598	505	21	130	0
11	-181	213	238	230	288	589	311	*526	334	-75	0	0
12	-58	287	197	211	366	561	311	648	-624	-86	0	0
13	-128	237	275	261	261	555	354	697	-631	-38	0	0
14	-260	329	93	239	226	575	380	784	-643	80	0	0
15	-272	262	0	214	209	502	389	736	-386	268	0	0
16	-391	257	0	180	*191	655	-74	561	-363	*379	0	0
17	-176	235	135	209	197	588	316	629	-489	352	0	0
18	-233	*235	247	192	221	540	318	194	-478	340	0	0
19	-262	248	317	401	152	510	374	344	-614	297	0	0
20	-279	367	309	319	179	437	*445	132	-351	117	0	352
21	-320	236	229	129	168	448	529	218	-383	-21	0	464
22	318	257	217	172	235	623	731	243	-429	123	0	374
23	295	281	193	174	236	556	528	214	-296	5	0	319
24	364	311	215	213	180	564	608	382	84	-42	0	328
25	342	270	232	249	197	527	642	394	0	281	0	323
26	203	247	221	205	179	520	704	457	0	234	0	360
27	185	268	158	217	178	507	785	508	0	69	0	*433
28	227	251	170	183	213	278	559	412	0	144	0	662
29	*215	274	*193	195	130	716	437	0	150	0	0	673
30	300	262	251	200	-----	380	720	522	0	273	0	454
31	296	-----	342	217	-----	362	-----	545	-----	32	0	-----
Total	-2,838	8,011	7,159	6,839	5,788	13,400	12,963	16,218	-1,219	1,703	1,841	4,742
Mean	-91.5	267	231	221	207	432	432	523	-40.6	54.9	59.4	158
Ac-ft	-5,650	15,890	14,200	13,560	11,480	26,580	25,710	32,170	-2,420	3,580	3,650	9,410
Calendar year 1954: Max	582				Min -1,110	Mean	52.0	Ac-ft	37,610			
Water year 1954-55: Max	785				Min -643	Mean	204	Ac-ft	148,000			

* Discharge measurement made on this day.

Note.--Negative figures indicate reverse flow.

West Palm Beach Canal at West Palm Beach, Fla.

Location.--Lat 26°38'40", long 80°03'24", in NE¼ sec. 16, T. 44 S., R. 43 E., on left bank at upstream side of lock and dam, 20 ft upstream from bridge on State Highway 805 on Poinsettia Avenue and 4.9 miles south of courthouse in West Palm Beach.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level (State Road Department benchmark). Prior to Apr. 26, 1940, staff gage, and Apr. 26, 1940, to Dec. 20, 1949, water-stage recorder, at same site at datum 0.25 ft higher.

Extremes.--1939-55: Maximum daily discharge, 5,320 cfs Apr. 18, 1942; maximum gage height, 10.89 ft Oct. 13, 1947, present datum; minimum daily discharge, 124 cfs May 1, 1945; minimum gage height, 2.85 ft Dec. 3, 1953.

Maximum stage known, 13.20 ft Oct. 23, 24, 1924, present datum (discharge, 8,570 cfs), from records by Everglades Drainage District.

Remarks.--Records fair except those for Jan. 4 to Feb. 15, which are poor. Flow regulated by manipulation of stoplogs in dam and gates in lock chamber for irrigation and drainage purposes by Central and Southern Florida Flood Control District. Lock chamber not used for navigation. Since January 1954, flow materially affected by control structures at 20-mile bend, 20 miles upstream.

Cooperation.--Stoplog record furnished by Central and Southern Florida Flood Control District.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,720	990	556	508		502	*284	312	276	1,510	1,020	872
2	1,950	950	464	504		486	284	316	328	1,320	1,050	944
3	2,260	900	584	414		434	316	308	340	1,430	1,100	924
4	2,080	*840	616			362	316	312	344	1,450	1,150	*872
5	1,870	805	616	300	230	356	324	316	344	1,580	1,190	872
6	1,730	775	608			376	328	320	340	1,200	1,070	868
7	1,630	745	620			376	320	308	332	1,240	1,020	908
8	1,540	716	604			368	312	316	*332	1,210	992	912
9	1,480	592	592			364	292	332	324	1,190	988	960
10	1,430	278	*596			*364	288	340	320	1,170	984	972
11	1,400	474	596			360	288	332	352	1,160	960	924
12	1,380	462	596			360	284	*316	458	1,120	932	852
13	1,360	500	596			364	276	300	748	1,090	*972	864
14	1,350	800	612			364	268	292	620	1,060	992	816
15	1,320	1,030	620		260	356	268	304	464	1,020	988	768
16	1,280	972	616		364	316	268	332	488	996	976	671
17	1,240	1,040	592		*441	306	268	316	701	*976	940	584
18	*1,190	1,120	596		691	284	268	328	894	864	916	552
19	1,150	*1,090	620		698	292	268	356	1,210	796	900	548
20	1,260	1,070	564		674	308	288	384	1,420	804	904	552
21	1,230	1,060	440	180	658	324	*292	324	1,950	828	944	632
22	1,220	1,040	436		642	324	292	292	1,686	844	948	652
23	1,180	1,010	380		626	292	292	284	1,800	848	908	656
24	1,150	992	452		610	280	300	304	1,410	872	860	652
25	1,130	968	480		586	308	300	300	*1,110	868	820	652
26	1,100	948	488	(*)	566	276	284	284	1,370	856	816	*644
27	1,080	920	500		550	276	276	272	1,660	876	780	554
28	1,050	892	508		522	288	276	260	1,220	912	736	550
29	1,050	880	*512			288	300	256	1,170	896	712	558
30	1,040	884	512	260	---	272	320	256	1,460	912	728	554
31	1,010	---	512	---	---	280	---	264	---	988	760	---
Total	42,860	25,743	17,084	7,306	10,898	10,466	8,740	9,536	25,465	32,686	29,056	22,329
Mean	1,383	858	551	236	389	338	291	308	849	1,054	937	744
Ac-ft	85,010	51,060	33,890	14,490	21,620	20,760	17,340	18,910	50,510	64,830	57,630	44,290
Calendar year 1954: Max		5,160		Min	278		Mean	1,115	Ac-ft	807,000		
Water year 1954-55: Max		2,260		Min	-		Mean	663	Ac-ft	480,300		

* Discharge measurement made on this day.

Note.--Leakage through dam Nov. 9-14, Dec. 1 to June 21, Sept. 27-30. Leakage was estimated on basis of 10 discharge measurements, engineers' notes, and records of dam operation. Leakage was 2 percent or more of total flow Dec. 20 to June 12.

Boynton Canal at Boynton Beach, Fla.

Location.--Lat 26°32'20", long 80°03'10", in NE $\frac{1}{4}$ sec. 21, T. 45 S., R. 43 E., near right bank at upstream side of control dam, 0.2 mile upstream from U. S. Highway 1 and three-quarters of a mile north of intersection of U. S. Highway 1 and State Highway 804 in Boynton Beach.

Records available.--July 1941 to June 1943, October 1947, and November 1949 to September 1955 (discharge measurements only).

Gage.--Staff gage read at time of discharge measurements. Prior to May 27, 1952, staff gage read once daily except Saturdays and Sundays. Datum of gage is at mean sea level, datum of 1929. Prior to June 30, 1943, at site 0.3 mile downstream at datum 0.25 ft higher.

Extremes.--1941-43, 1947, 1949-55: Maximum discharge measured, 2,720 cfs Apr. 18, 1942; minimum measured, 2.6 cfs June 5, 1955.

Remarks.--Flow regulated by manipulation of stoplogs and drum gates in dams by Lake Worth Drainage District for irrigation and drainage. Some diversions by pumping above station for irrigation.

Discharge measurements, in cubic feet per second, water year October 1954 to September 1955

Oct. 18.....	29.1	Apr. 1.....	11.3
Nov. 24.....	36.8	May 12.....	3.04
Dec. 29.....	9.56	June 5.....	2.64
Jan. 26.....	11.1	Aug. 13.....	24.1
Feb. 17.....	9.66	Sept. 26.....	17.2

Hillsboro Canal at Belle Glade, Fla.

Location.--Lat 26°41'35", long 80°41'05", in NW $\frac{1}{4}$ sec. 31, T. 43 S., R. 37 E., on right bank at upstream side of bridge on State Highway 717 in Belle Glade, 2 miles southeast of Lake Okeechobee. Prior to Jan. 13, 1955, at site $1\frac{1}{4}$ miles downstream.

Records available.--January 1940 to September 1950, October 1954 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Mar. 15, 1944, at site $1\frac{1}{4}$ miles downstream at datum 1.69 ft lower. Mar. 15, 1944, to Jan. 12, 1955, at site $1\frac{1}{4}$ miles downstream at present datum.

Extremes.--1940-50, 1955: Maximum discharge measured, 481 cfs Feb. 14, 1940; maximum daily reverse flow, 496 cfs June 29, July 1, 1955.

Remarks.--Records poor. Flow regulated by hurricane gates at Lake Okeechobee and by drainage pumps. Discharge computed using three daily observations of velocity. Records of chemical analyses for the water year 1955 are published in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-184	228	238	253	172	27	81	389	e180	-496	-92	233
2	-237	201	252	256	232	130	93	325	e190	-458	-37	147
3	-303	253	311	266	255	287	156	343	e200	-278	-65	229
4	-327	224	314	269	157	246	121	339	e210	-361	-176	137
5	-130	252	277	245	92	264	*77	305	188	-249	-28	226
6	-18	272	275	202	-7	316	66	279	128	-302	19	242
7	*54	301	207	220	9	329	*58	329	94	-83	167	245
8	7	270	180	202	74	378	92	315	214	-74	372	300
9	136	225	*230	199	215	*254	99	332	257	157	278	308
10	90	215	253	201	179	283	90	334	179	185	334	272
11	-32	230	261	250	230	335	102	*292	60	-28	208	281
12	32	218	207	220	355	348	136	329	-248	248	-112	356
13	79	227	248	260	288	354	83	312	-271	147	-59	301
14	158	214	254	252	264	364	130	325	-108	230	-75	368
15	42	190	255	220	270	320	74	368	-81	286	33	421
16	45	178	234	209	*199	327	105	319	-144	247	123	364
17	24	186	232	211	226	317	104	319	-154	*340	339	436
18	53	*188	280	189	255	358	95	225	-307	284	235	425
19	52	269	260	335	95	338	100	78	-352	202	273	432
20	87	254	245	250	91	346	*161	9	-273	110	330	467
21	95	223	245	179	137	306	187	17	-340	64	274	390
22	61	253	245	139	117	369	213	17	-344	165	196	365
23	82	233	211	192	146	422	209	25	-377	155	232	350
24	132	268	248	215	53	420	207	87	-412	292	212	320
25	147	226	256	247	4	302	228	96	-477	229	250	282
26	135	270	239	223	2	286	301	130	*-201	155	168	422
27	147	263	234	*204	0	333	259	130	-377	-82	238	315
28	*173	248	*215	168	-15	293	292	156	-366	-28	365	367
29	184	281	231	208	-	272	322	e180	-496	240	308	454
30	255	280	258	199	-	147	*348	e170	-427	64	203	443
31	248	-----	269	198	-----	73	-----	e180	-----	73	*220	-----
Total	1,287	7,140	7,654	6,930	4,097	9,234	4,589	7,035	-3,871	1,436	4,733	9,938
Mean	41.5	238	247	224	146	298	153	227	-129	46.3	153	331
Ac-ft	2,550	14,160	15,200	13,750	8,130	18,320	9,100	13,950	-7,680	2,850	9,390	19,710
Calendar year 1954: Max	-	-	-	-	Min	-	Mean	-	Ac-ft	-	-	-
Water year 1954-55: Max	467	-	-	-	Min	-496	Mean	165	Ac-ft	119,400	-	-

* Discharge measurement made on this day.

e No velocity observations; discharge estimated on basis of records for North New River Canal at South Bay.

Note.--Negative figures indicate flow toward Lake Okeechobee.

Hillsboro Canal near Deerfield Beach, Fla.

Location.--Lat 26°19'39", long 80°07'52", in SW $\frac{1}{4}$ sec. 35, T. 47 S., R. 42 E., at upstream end of lock at right end of dam, 1.8 miles west of Deerfield Beach and 4.4 miles downstream from bridge on State Highway 7.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Apr. 15, 1940, staff gage at same site at datum 0.92 ft lower. Since July 31, 1947, auxiliary water-stage recorder at downstream end of lock or at site 500 ft downstream from lock.

Extremes.--1939-55: Maximum daily discharge, 3,490 cfs Oct. 12, 1947; maximum gage height, 12.10 ft Oct. 17, 1944 (from floodmarks); no flow Dec. 16, 1939, Apr. 11, June 18, 1940; minimum gage height, 1.46 ft Sept. 27, 1955 (caused by temporary maintenance operation at dam).

Remarks.--Records fair above 200 cfs and poor below. Flow regulated at station by Central and Southern Florida Flood Control District for irrigation and drainage and by flood-control levee, 11 miles above station. Pumps above station divert water for irrigation during growing season. Since September 1952, flow materially affected by control structure 11 miles upstream. Records of chemical analyses for the water year 1955 are published in WSP 1400.

Cooperation.--Stoplog record furnished by Central and Southern Florida Flood Control District.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,500									1,460	1,020	
2	1,800									1,420	990	
3	1,740	45							90	1,420	970	
4	1,570		80				55			1,390	955	
5	*1,510									1,370	940	
6	1,500	85								1,350	930	415
7	1,520						(*)			*1,320	925	(*)
8	1,480		(*)							1,300	905	
9	1,430								60	1,280	895	
10	1,440	55			50					1,260	880	
11	1,480							50		1,220	860	
12	1,450	155	60				50		627	1,200	840	
13	1,420	718							587	1,030	840	
14	1,420	1,150		60					*351	850	850	
15	1,400	826							230	840	855	
16	1,340	410								363	840	825
17	1,290	224			(*)	(*)				709	796	*795
18	942	*149	176		286			(*)	887	795	775	
19	955	87	236		207				855	730	805	367
20	925	156	117	(*)	138			181	684	690	830	
21	950	164			110				408	700	825	
22	880	129	65					126	264	755	810	
23	830	160							206	780	796	
24	815	139							346	780	755	
25	735				55	159		55	699	770	565	
26	*700		110			164			701	725	550	507
27	432	65		123		156			679	*725	535	*245
28	90		(*)	166		133	*65		870	770	530	
29	67			148		119		116	1,450	855	525	47
30				111				155	1,540	1,030	535	
31	40		80	55		65		118	1,060	1,060	475	
Total	33,691	5,512	2,704	2,163	1,976	2,061	1,600	2,123	13,246	31,511	24,585	10,487
Mean	1,087	184	87.2	69.8	70.6	66.5	53.3	68.5	442	1,016	795	349
Ac-ft	66,830	10,930	5,360	4,290	3,920	4,090	3,170	4,210	26,270	62,500	48,760	20,797
Calendar year 1954: Max	2,260				Min -	Mean 679		Ac-ft 491,900				
Water year 1954-55: Max	1,800				Min -	Mean 361		Ac-ft 261,100				

* Discharge measurement made on this day.

Note.--Leakage through dam Oct. 27 to June 27, July 13 to Sept. 30. Leakage estimated on basis of 15 discharge measurements, engineers' notes, and records of dam operation. Leakage was 20 percent or more of total flow Oct. 28 to Nov. 12, Nov. 19 to June 11, July 17-29, Aug. 5 to Sept. 30.

Middle River Canal near Fort Lauderdale, Fla.

Location (revised).--Lat 26°10'20", long 80°12'15", in NW¼ sec. 24, T. 49 S., R. 41 E., on left bank at upstream side of bridge on U. S. Highway 441, 1½ miles upstream from control dam, 3½ miles upstream from mouth, and 6½ miles northwest of Fort Lauderdale.

Records available.--October, November 1947, November 1949 to September 1955 (discharge measurements only), discontinued.

Gage.--Reference mark read only when discharge measurements are made. Datum of reference mark is at mean sea level, datum of 1929. Prior to Sept. 14, 1953, staff gage at same site and datum.

Extremes.--1947, 1949-55: Maximum discharge measured, 282 cfs Oct. 22, 1947; reverse flow observed at times (tide effect).

Remarks.--Regulation by control dam below station. Prior to Feb. 1, 1954, regulation by control dams at and below station. Diversion by pumps below station. Since December 1954, control closed except for short periods of intermittent operation.

Discharge measurements, in cubic feet per second,
water year October 1954 to September 1955

Oct. 19.....	11.0
19.....	-52.4
Nov. 17.....	223

Note.--Negative sign indicates reverse flow.

Plantation Road Canal near Fort Lauderdale, Fla.

Location (revised).--Lat 26°08'05", long 80°12'10", in NE¼ sec. 1, T. 50 S., R. 41 E., on right bank 40 ft upstream from bridge on U. S. Highway 441, 0.5 mile upstream from control dam, 1.0 mile upstream from mouth, and 5 miles west of Fort Lauderdale.

Records available.--October, November 1947, November 1949 to September 1955 (discharge measurements only), discontinued.

Gage.--Staff gage read weekly or oftener. Datum of gage is at mean sea level, datum of 1929.

Extremes.--1947-55: Maximum discharge measured, 1,390 cfs Oct. 17, 1947; reverse flow observed at times (tide effect).

Remarks.--Regulation by control dams at and above station. Since December 1954, control closed except for short periods of intermittent operation.

Discharge measurement, in cubic feet per second,
water year October 1954 to September 1955

Nov. 22.....	16.9
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North New River Canal at South Bay, Fla.

Location.--Lat 26°40', long 80°43', in sec. 14, T. 44 S., R. 36 E., on right bank on downstream side of lock and dam in South Bay, 410 ft downstream from bridge on State Highway 80 and 2.5 miles south of Lake Okeechobee.

Records available.--November 1939 to September 1955 (prior to March 1942, monthly discharge and discharge measurements only).

Gage.--Staff gage read twice daily. Datum of gage is at mean sea level, datum of 1929.

Extremes.--1939-55: Maximum daily discharge, 1,040 cfs Sept. 30, 1947; maximum gage height observed, 16.39 ft Oct. 15, 16, 1947; maximum reverse flow observed, 445 cfs June 10, 17, 1942; minimum gage height observed, 8.63 ft July 6, 1949.

Flood of July 27, 28, 1926, reached a stage of 20.56 ft, from records by Everglades Drainage District.

Remarks.--Records poor. Lock remained open and dam not operated during year. Flow regulated by hurricane gates at Lake Okeechobee and by drainage pumps. Discharge computed using twice-daily observations of velocity. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	226	392	407	468	505	418	421	536	379	-73	64	396
2	205	402	364	414	515	485	311	482	393	-55	82	272
3	217	556	366	441	428	485	488	523	432	-41	-19	*272
4	254	410	381	504	432	519	383	419	*376	36	82	253
5	297	369	377	329	519	435	371	410	304	89	0	210
6	291	403	374	411	453	465	369	433	316	34	143	198
7	*384	446	382	351	535	526	*342	442	272	212	238	27
8	346	471	292	439	616	544	387	412	349	208	196	-49
9	444	467	*353	490	497	*474	439	429	328	254	199	9
10	401	418	372	564	505	423	432	402	330	273	271	91
11	313	446	334	333	551	567	403	*459	360	197	154	142
12	380	389	358	405	567	405	450	382	364	223	53	186
13	399	424	331	451	529	515	387	372	207	291	95	175
14	413	514	428	548	547	485	306	390	303	363	*125	166
15	214	507	361	319	511	480	252	425	358	287	140	187
16	285	472	402	332	*500	511	300	356	160	*290	184	245
17	221	468	362	376	499	482	335	476	162	262	328	298
18	228	*438	444	411	526	472	366	407	0	211	300	331
19	235	411	379	556	410	463	355	388	90	220	313	296
20	239	446	436	450	392	434	*376	368	26	285	318	286
21	253	425	419	406	458	455	394	349	0	115	274	271
22	211	411	368	463	384	705	437	387	36	241	279	362
23	282	403	405	454	431	531	499	363	-36	141	272	293
24	321	419	407	418	648	526	404	460	35	156	242	337
25	330	435	388	454	570	401	445	418	4	225	180	322
26	321	410	391	445	488	463	413	380	117	202	228	289
27	330	405	395	*503	551	486	403	392	121	56	288	*361
28	*341	379	*459	480	506	449	373	430	-75	254	318	378
29	372	394	468	533	---	605	361	359	*-84	209	246	369
30	455	417	401	481	---	405	480	398	-86	73	318	393
31	418	---	445	538	---	388	---	423	---	9	321	---
Total	9,602	12,944	12,029	13,747	14,073	15,102	11,682	12,840	5,541	5,247	6,230	7,366
Mean	310	431	398	443	503	487	389	414	185	169	201	246
Ac-ft	19,050	25,870	23,860	27,270	27,910	29,950	23,170	25,470	10,990	10,410	12,360	14,610
Calendar year 1954: Max	755				Min -338	Mean 333		Ac-ft 241,300				
Water year 1954-55: Max	705				Min -86	Mean 346		Ac-ft 250,700				

* Discharge measurement made on this day.

Note.--Negative figures indicate flow toward Lake Okeechobee.

North New River Canal near Fort Lauderdale, Fla.

Location.--Lat 26°05'39", long 80°13'48", in SW $\frac{1}{4}$ sec. 14, T. 50 S., R. 41 E., on right bank 20 ft upstream from lock and dam on State Highway 84 and 6 miles southwest of Fort Lauderdale.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Apr. 13, 1940, staff gage at same site and datum. Auxiliary water-stage recorder at downstream end of lock chamber. Aug. 1, 1947, to July 20, 1950, at site 500 ft downstream.

Extremes.--1939-55: Maximum daily discharge, 3,280 cfs Nov. 19, 1947; maximum gage height, 10.83 ft Oct. 17, 1947; minimum daily discharge, 2.4 cfs May 21, 22, 1947; minimum gage height, 0.78 ft Dec. 3, 1942.

Maximum discharge known, 5,400 cfs Oct. 15, 1929 (gage height, 7.66 ft, present datum), from records by Everglades Drainage District.

Remarks.--Records fair. Flow regulated at and above station by dams for irrigation, drainage, and flood and fire control. Several small diversions above station for irrigation. Since February 1952, flow materially affected by control structure at 20-mile bend, 14 miles upstream. Records of chemical analyses for water year 1955 are given in WSP 1400.

Cooperation.--Stoplog record furnished by Central and Southern Florida Flood Control District.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,450	761	635	309	294	160				895	704	544
2	1,570	578	*619	309	286					914	688	560
3	1,540	623	600	309	286					899	712	520
4	1,490	623	589	297	286					878	704	480
5	1,400	*623	573	*297	278	170	190		100	869	688	464
6	1,330	627	573	285	278					894	688	456
7	1,350	607	557	309	286		(*)			*890	672	456
8	1,330	607	522	317	286	180				868	688	*496
9	1,350	555	530	309	262			175		850	736	560
10	1,400	519	439	301	262					844	720	552
11	1,390	519	380	301	140				187	841	720	512
12	1,320	764	392	301					558	803	742	504
13	1,360	1,000	396	293	90		185		608	799	677	472
14	1,310	1,060	412	285					*528	585	562	440
15	*1,280	1,080	400	293					472	576	634	432
16	1,280	1,030	404	293	140				512	576	658	432
17	1,210	988	388	285		(*)		220	488	592	674	440
18	1,250	943	412	285				289	536	592	652	448
19	1,530	888	432	268	*155			*285	608	608	*714	432
20	1,580	858	335	248	180	190	180	277	616	624	698	440
21	1,570	837	184	248				237	592	640	658	432
22	1,570	870	232	256	170			205	576	672	618	416
23	1,350	1,060	240	276				167	544	664	594	408
24	1,230	904	256	260	210			75	528	656	415	416
25	1,150	822	288	231				80	624	632	527	440
26	1,160	757	340	275	180			90	656	632	488	432
27	1,190	624	362	294			175		896	656	456	440
28	1,230	640	345	*334			(*)	100	905	656	456	416
29	1,220	635	337	342					919	*672	472	392
30	1,100	635	333	342					304	712	464	392
31	959	-----	321	310	-----		-----	-----	-----	712	448	-----
Total	41,449	23,109	12,826	9,062	5,564	5,730	5,490	5,225	13,257	22,701	19,357	13,824
Mean	1,337	770	414	292	199	185	183	169	442	732	624	461
Ac-ft	82,210	45,840	25,440	17,970	11,040	11,370	10,890	10,360	26,290	45,030	38,390	27,420
Calendar year 1954: Max	1,660			Min 184		Mean 985		Ac-ft 713,100				
Water year 1954-55: Max	1,580			Min 75		Mean 487		Ac-ft 352,200				

* Discharge measurement made on this day.

Note.--Considerable leakage through dam Nov. 3-11, 27-30, Dec. 1 to June 13. Leakage estimated on basis of 13 discharge measurements, records of dam operation, and engineers' notes. Leakage was 20 percent or more of total flow Jan. 20 to June 10.

Miami Canal at water plant, Hialeah, Fla.

Location.--Lat 25°49'38", long 80°17'15", in SW $\frac{1}{4}$ sec. 18, T. 53 S., R. 41 E., on left bank at Miami water plant in Hialeah, on U. S. Highway 27, half a mile upstream from 54th Street Bridge.

Records available.--January 1940 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 0.01 ft below mean sea level, datum of 1929 (levels by Dade County). Since Oct. 1, 1946, auxiliary water-stage recorder on right bank above boat-lift and dam, about 150 ft downstream from 36th Street Bridge and 2 miles downstream from gaging station in Hialeah. Nov. 8, 1940, to Sept. 30, 1946, auxiliary water-stage recorder on Biscayne Bay at Coconut Grove and since Oct. 1, 1946, at site 2 miles downstream from base gage.

Extremes.--1940-55: Maximum daily discharge, 4,170 cfs Oct. 15, 1947; maximum gage height, 7.34 ft Oct. 15, 1947; maximum reverse flow measured, 390 cfs June 23, 1943; minimum gage height, -0.67 ft July 2, 1943, Mar. 22, 1945.

Remarks.--Records fair except those for periods of indefinite stage-discharge relation, which are poor. Flow affected by tide; discharge computed by using gage heights and tide ranges at auxiliary gage as a factor. Some seepage losses above station into city of Miami well field for recharge of ground-water withdrawals. Since July 1952, flow materially affected by levee and control structures 12 miles upstream. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,030	966	1,020	864	*727	*737	584	80	589	630	696	660
2	1,120	956	1,000	859	716	732	579		518	609	676	671
3	1,120	946	1,000	849	737	722	604		220	604	686	686
4	1,100	936	992	839	757	722	604			589	686	686
5	1,090	931	977	839	762	701	584			630	671	671
6	1,090	926	982	839	783	701	574	60	110	742	650	660
7	1,080	915	972	834	778	701	558			742	630	706
8	1,070	910	972	834	783	711	553			722	630	768
9	1,090	900	966	834	783	701	579			716	645	824
10	1,100	905	956	829	773	701	599			691	635	834
11	1,090	905	951	829	778	691	579	*40	420	696	614	824
12	1,080	920	936	813	737	691	*564		711	722	*614	808
13	*1,080	1,100	926	808	722	671	548		711	*727	625	803
14	1,080	1,100	920	*788	737	660	538		671	706	625	793
15	1,080	1,090	*920	783	*732	*650	518		635	701	666	778
16	1,070	*1,080	936	783	732	640	523	100	604	676	655	778
17	1,040	1,080	941	768	747	620	564	740	*599	681	655	778
18	1,020	1,070	946	773	773	620	569	696	625	706	666	783
19	1,010	1,050	941	768	768	625	564	655	645	701	686	778
20	992	1,070	931	742	783	620	569	635	630	701	666	778
21	982	1,060	920	747	773	620	569	579	635	706	640	768
22	977	1,060	915	752	773	620	558	210	676	711	630	*747
23	977	1,050	915	757	768	614	548	40	716	686	614	732
24	977	1,050	910	757	773	625	548	40	701	686	630	732
25	966	1,050	910	778	757	635	472	110	666	666	625	716
26	966	1,050	905	757	773	635	395	(*)	655	635	599	691
27	966	1,050	895	762	757	620	125		640	609	589	676
28	977	1,040	890	762	742	609	(*)		620	*599	599	650
29	*997	1,040	885	768	-----	609	115		640	645	579	625
30	997	*1,040	880	768	-----	*599	310	*625	732	579	*825	
31	977	-----	*870	737	-----	579		-----	716	*599	-----	-----
Total	32,191	30,246	29,080	24,620	21,224	20,382	14,914	6,115	15,137	21,083	19,760	22,029
Mean	1,036	1,008	939	794	756	657	497	197	505	680	637	734
Ac-ft	63,850	59,990	57,680	48,830	42,100	40,430	29,580	12,130	30,020	41,820	39,190	43,690
Calendar year 1954: Max			1,290		Min	620		Mean	909	Ac-ft	658,400	
Water year 1954-55: Max			1,120		Min	-----			704	Ac-ft	509,300	

* Discharge measurement made on this day.

Note.--Stage-discharge relation indefinite Apr. 26 to May 17, May 22-31, June 3-11; discharge estimated on basis of 3 discharge measurements and record of 36th St. dam operation.

Tamiami Canal outlets, Miami to Monroe, Fla.

Location.--Lat 25°45'40", long 80°49'40", in NE¼ sec. 21, T. 54 S.. R. 35 E., at 40-mile bend on U. S. Highway 41, 38 miles west of Miami.

Records available.--November 1939 to September 1955. Prior to October 1948, published as Tamiami Canal outlets west of Miami.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to July 28, 1942, staff gage at site 17 miles west of Miami and July 28, 1942, to Sept. 30, 1945, at site 15 miles west of Miami at present datum. Oct. 1, 1945, to Aug. 30, 1949, staff gage at present site at datum 0.87 ft lower and Aug. 31, 1949, to Dec. 28, 1951, at present site and datum.

Extremes.--1939-55: Maximum daily discharge, 17,000 cfs Oct. 12, 1947, from rating curve extended above 9,800 cfs; maximum daily reverse flow, 2.0 cfs May 1-10, 1949; no flow for several days in some years.

Remarks.--Records fair above 100 cfs and poor below. Figures of daily discharge consist of runoff from the Everglades as represented by flow through all outlets of Tamiami Canal from Monroe, 55 miles west of Miami, to point 18 miles west of Miami where a levee aids in diverting flow southward through 60 outlets. Since July 1952, flow affected by extensive levee and control works to the north for agricultural and flood-control purposes.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,670	2,080	1,700	1,090	498	131			0	331	299	559
2	3,170	2,040	1,700	1,080	477	117			0	287	315	580
3	3,170	1,990	1,660	1,030	456	117			0	235	347	650
4	3,110	1,950	1,620	1,000	456	95			0	206	395	880
5	3,050	1,900	1,580	1,000	436	90		(*)	0	196	416	850
6	3,000	1,860	1,540	970	416	85			0	206	477	880
7	3,050	1,820	1,540	940	395	70			0	196	436	1,150
8	3,110	1,780	1,540	910	395	60			0	177	395	1,620
9	3,050	1,740	1,500	880	416	50			0	157	363	1,620
10	3,110	*1,700	1,500	850	395	45			0	148	331	1,700
11	3,110	1,700	1,460	850	379	40			0	167	299	1,700
12	3,050	1,740	1,460	*800	363	35	(*)		3	157	283	1,660
13	3,050	1,990	1,430	775	347	30			10	206	283	1,620
14	*3,000	2,080	1,430	750	331	25			11	186	315	1,540
15	2,880	2,040	*1,400	725	315	*22			*20	167	331	*1,500
16	2,830	1,950	1,360	700	*283	15			50	157	*395	1,430
17	2,720	1,900	1,320	675	283	10			117	206	395	1,360
18	2,620	1,860	1,430	650	283	8			206	196	379	1,320
19	2,570	1,820	1,430	650	267	6		(*)	267	*167	379	1,260
20	2,520	1,900	1,400	625	251	4			267	186	363	1,220
21	2,410	1,860	1,360	600	235	2			283	347	363	1,220
22	2,410	1,860	1,320	600	225	1			299	363	347	1,400
23	2,360	1,860	1,320	559	206	*1			283	331	347	1,320
24	2,310	1,820	1,290	559	*186	0			315	315	347	1,220
25	2,270	1,820	1,290	580	167	0			363	283	363	1,150
26	2,270	1,780	1,260	559	157	0		(*)	395	251	379	1,120
27	*2,220	1,740	1,220	*559	157	0			416	251	379	1,090
28	2,270	1,740	1,180	538	138	0			395	*235	347	*1,030
29	2,270	1,700	*1,150	538	-	0			379	251	379	970
30	2,220	*1,700	1,150	538	-----	0			*363	267	477	940
31	2,180	-----	1,120	518	-----	0	-----		-----	299	*518	-----
Total	84,030	55,720	43,660	23,078	8,913	1,059	0	0	4,442	7,107	11,442	36,559
Mean	2,711	1,857	1,408	744	318	34.2	0	0	148	229	369	1,219
Ac-ft	166,700	110,500	86,600	45,770	17,680	2,100	0	0	8,610	14,100	22,690	72,510
Calendar year 1954: Max 3,310 Min 10 Mean 1,378 Ac-ft 997,500												
Water year 1954-55: Max 3,170 Min 0 Mean 756 Ac-ft 547,500												

* Discharge measurement or observation of no flow made on this day.

Note.--Daily discharge below 100 cfs estimated on basis of 3 discharge measurements, 4 observations of no flow, weather records, and gage heights.

LAKE OKEECHOBEE AND THE EVERGLADES

Barron River Canal near Everglades, Fla.

Location.--Lat 25°58', long 81°21', in NW¼ sec. 7, T. 52 S., R. 30 E., on right bank 40 ft upstream from dam, 0.7 mile north of Copeland, 7 miles north of town of Everglades, and 7½ miles upstream from mouth.

Records available.--July to December 1951 (discharge measurements only), January 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level (State Road Department benchmark). Prior to Jan. 24, 1952, staff gage at same site and datum.

Extremes.--1952-55: Maximum daily discharge, 242 cfs Sept. 9, 10, 1955; maximum gage height, 6.28 ft Oct. 10, 1953; no flow May 17, 18, 1952; minimum gage height, 0.99 ft May 12, 1955.

Flood in October 1947 reached a stage of about 7 ft, from information by local resident.

Remarks.--Records fair except those for period of no gage-height record, which are poor. Flow regulated by operation of dams at, above, and below station. Overbank flow above gage height 4.5 ft not included in discharge figures.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	136	112	98	78	55	42	32	19	32	192	232	196
2	135	111	97	78	55	42	32	18	33	190	228	204
3	134	109	96	77	54	*42	35	17	33	188	224	214
4	132	106	94	75	54	42	36	16	34	184	222	220
5	130	105	93	74	53	40	36	*17	35	180	225	215
6	130	103	93	74	53	39	37	17	36	178	223	212
7	130	102	92	73	52	37	38	16	36	178	218	229
8	128	100	90	72	52	36	38	16	38	178	218	236
9	126	99	89	71	51	36	33	14	39	177	219	242
10	126	98	89	69	51	36	32	14	40	178	212	242
11	124	97	88	68	50	34	31	12	146	179	203	240
12	124	97	88	*67	50	32	*30	12	175	184	195	237
13	122	98	86	65	49	30	30	11	168	180	185	234
14	*121	104	87	63	49	28	30	11	156	176	185	234
15	121	105	84	62	48	26	29	10	144	172	195	234
16	121	106	*82	61	*48	25	28	9	142	174	*188	230
17	120	106	82	60	47	38	27	10	173	186	182	228
18	120	106	94	60	46	37	26	13	192	198	184	225
19	120	106	96	62	43	35	26	15	200	200	184	222
20	120	108	94	59	43	34	26	20	204	200	185	221
21	120	109	92	57	43	32	26	24	207	212	185	*218
22	120	108	90	55	43	33	26	25	204	217	180	220
23	120	110	88	54	44	*30	26	29	*200	227	176	224
24	120	*110	87	56	44	30	26	29	198	229	171	221
25	118	110	86	65	43	30	26	29	198	227	168	218
26	119	108	85	61	43	30	26	*27	200	225	167	213
27	*119	106	84	*58	42	28	24	28	201	224	169	207
28	118	104	82	57	42	27	23	29	198	226	174	200
29	116	101	82	57	-	29	21	30	193	*227	176	194
30	116	100	80	56	-----	32	20	31	193	229	193	190
31	114	-----	80	56	-----	33	-----	32	-----	233	*195	-----
Total	3,820	3,144	2,746	2,000	1,347	1,045	874	600	4,052	6,148	6,061	6,620
Mean	123	105	88.6	64.5	48.1	33.7	29.1	19.4	135	198	196	221
Ac-ft	7,580	6,240	5,450	3,970	2,670	2,070	1,730	1,190	8,040	12,190	12,020	13,130

Calendar year 1954: Max 140 Min 53 Mean 96.2 Ac-ft 69,670
 Water year 1954-55: Max 242 Min 9 Mean 105 Ac-ft 76,310

* Discharge measurement made on this day.

Note.--No gage-height record Jan. 22 to Feb. 16; discharge estimated from recorded range in stage, weather records, and unpublished records for Tamiami Canal at Bridge No. 105.

Caloosahatchee Canal at Moore Haven, Fla.

Location.--Lat 26°50', long 81°05', in sec. 12, T. 42 S., R. 32 E., on right bank at Moore Haven, 0.5 mile downstream from hurricane gate and lock 1 at Lake Okeechobee Outlet and 15 miles upstream from lock 2.

Records available.--July 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1952, at datum 1.44 ft lower. Auxiliary water-stage recorder a quarter of a mile upstream from Lake Hicpochee and 2.5 miles downstream from base gage.

Extremes.--1938-55: Maximum discharge measured, 5,930 cfs Nov. 6, 1947; maximum daily, 5,660 cfs Dec. 8, 1945; lock closed and flow consists of leakage and lockage (estimated as 10 cfs) during several periods in each year.

Remarks.--Flow regulated by lock 1 at Lake Okeechobee. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Cooperation.--Records furnished by Corps of Engineers since July 1951.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,430	2,460			-	-	-		-	2,010	2,850	
2	2,230	2,870			-	400	-		-	2,080	2,950	
3	2,020	1,120			-	410	-		-	2,150	2,980	
4	2,330	-			-	400	-		-	2,170	2,940	
5	3,000	-			-	400	-		-	2,280	2,810	
6	3,350	-			-	480	-		-	2,190	2,980	
7	2,860	-			-	490	-		-	2,160	3,030	
8	2,940	-			-	210	-		-	2,300	3,020	
9	3,190	-			-	480	-		-	2,160	3,010	
10	2,730	-			-	620	-		-	3,440	2,990	
11	3,260	-			-	820	-		750	3,240	2,940	
12	3,140	-			548	1,280	-		-	3,090	2,930	
13	3,270	-			532	1,260	-		-	2,910	2,820	
14	3,290	-			526	1,380	-		-	3,010	2,990	
15	3,570	-			405	1,300	-		-	3,040	3,030	
16	3,220	-			417	1,300	-		-	3,030	2,950	
17	3,780	-			368	1,410	-		-	2,950	2,980	
18	2,840	-			-	540	510		-	3,110	1,880	
19	-	-			-	-	1,010		-	3,010	890	
20	-	-			515	-	450		-	3,060	920	
21	-	-			351	360	150		-	3,000	930	
22	-	-			-	-	600		-	2,950	1,170	
23	-	-			233	-	600		1,230	2,970	1,110	
24	-	-			349	-	1,060		2,030	2,880	800	
25	-	-			-	-	390		2,040	2,960	1,070	
26	-	-			343	-	-		1,970	3,070	900	
27	-	-			531	-	-		2,110	2,970	1,020	
28	-	-			426	-	-		2,090	3,050	980	
29	-	-			-	-	-		1,890	3,050	970	
30	-	-			-----	-	-		1,910	2,930	1,010	
31	-	-----			-----	-	-----		-----	2,870	880	-----
Total	-	-	-	-	-	-	-	-	-	86,100	64,710	-
Mean	-	-	-	-	-	-	-	-	-	2,777	2,087	-
Ac-ft	-	-	-	-	-	-	-	-	-	170,800	128,400	-

Calendar year 1954: Max 4,680

Min -

Mean -

Ac-ft -

Water year 1954-55: Max 3,780

Min -

Mean -

Ac-ft -

Note.--No gage-height record at upper or lower gage Oct. 1 to Nov. 3, June 9-13; discharge estimated on basis of operational reports for Moore Haven lock. On days for which no discharge is shown, flow consists of leakage and lockage, estimated to be about 10 cfs.

Drainage canal west of Dundee, Fla.

Location.--Lat 28°01', long 81°38', in sec. 29, T. 28 S., R. 27 E., on right bank at up-stream side of bridge on State Highway 542, 1.2 miles west of Dundee and 1.4 miles downstream from Lake Hamilton Outlet.

Drainage area.--50 sq mi, approximately.

Records available.--December 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 114.08 ft above mean sea level, datum of 1929. Prior to Jan. 25, 1950, at same site and datum and Jan. 25, 1950, to July 26, 1951, at site 150 ft downstream at same datum.

Average discharge.--8 years (1947-55), 36.0 cfs.

Extremes.--Maximum discharge during year, 27 cfs at 12:01 a.m. Oct. 1, stage falling from peak of Sept. 25, 1954; maximum gage height, 3.60 ft Sept. 4; maximum peak discharge, 24 cfs Nov. 14 (gage height, 3.22 ft); no flow May 2-6, 13.

1946-55: Maximum discharge, 231 cfs Sept. 22, 1948 (gage height, 7.37 ft); no flow May 2-6, 13, 1955.

Remarks.--Records fair except those for period of no gage-height record, which are poor. Slight regulation at low flow by Lake Hamilton control.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	3.9	5.0	3.6	3.1	1.9	3.0	0.1	0.4	1.6	1.0	0.2
2	23	3.4	*4.4	3.6	3.0	1.8	3.0	0	.3	2.1	1.4	.7
3	22	3.2	3.9	3.4	2.8	1.6	3.9	0	.2	2.7	2.7	3.5
4	20	2.9	3.4	3.5	2.8	1.5	*3.6	0	.2	2.3	2.9	9.3
5	18	2.7	3.4	3.1	2.5	1.4	2.4	0	.1	1.6	2.5	8.7
6	16	2.6	3.9	3.1	2.4	1.3	1.9	0	.1	1.2	1.6	5.4
7	16	2.6	3.4	2.8	2.2	1.1	1.5	.2	.1	.9	1.0	2.9
8	15	2.4	2.9	2.7	2.4	.9	1.3	.2	.1	.8	.8	2.5
9	16	2.3	2.7	2.7	2.2	.8	1.1	.2	.1	.7	.6	4.5
10	15	2.2	2.6	*2.2	2.1	.6	.9	.2	.1	.6	.5	4.5
11	14	2.2	2.4	2.2	3.8	.6	.9	.2	.1	.5	*.4	5.7
12	13	2.3	2.3	2.4	6.1	.6	1.1	.1	.8	.5	.3	4.2
13	12	2.2	2.6	2.2	4.6	.5	.9	0	1.2	.6	.2	3.3
14	12	15	3.9	1.9	3.9	.4	2.0	.1	1.3	.6	.2	2.3
15	10	19	3.6	1.6	3.6	.4	6.5	.2	1.0	.6	a.2	1.4
16	9.0	13	3.4	1.6	3.3	*.4	4.4	.2	.8	.6	.1	1.0
17	7.9	10	3.2	2.5	3.6	.4	2.5	*.2	.8	.8	a.1	.9
18	*7.1	9.3	5.5	2.7	3.7	.4	1.5	.2	.7	1.2	a.1	.8
19	6.6	8.4	6.1	3.1	3.9	.4	1.0	.2	*.6	1.2	a.1	.6
20	5.8	8.7	5.5	2.5	3.7	.3	.7	.2	.6	1.0	a.1	.5
21	5.3	7.9	4.9	2.2	3.4	.3	.5	.6	.5	1.0	a.1	.5
22	5.3	7.1	4.5	2.1	3.1	.3	.4	.9	.5	1.2	a.2	*.5
23	4.7	8.7	4.3	1.9	3.0	.3	.3	.9	1.1	1.4	a.2	.6
24	4.1	9.3	4.2	4.8	*2.8	1.2	.2	1.2	1.5	1.6	a.3	.5
25	3.9	8.4	4.2	6.9	2.7	1.6	.2	1.5	1.6	1.8	a.6	.5
26	3.6	7.3	4.2	5.7	2.5	1.9	.1	1.3	1.7	2.1	a.6	.4
27	3.4	6.6	4.0	4.9	2.4	2.1	.1	1.0	1.5	2.3	a.5	.3
28	3.4	6.3	3.9	4.5	2.1	2.4	.1	.8	1.3	2.3	a.4	.2
29	3.4	5.8	3.9	4.2	-	5.7	.1	.7	1.1	1.6	.3	.2
30	5.5	5.5	3.7	3.7	-----	4.9	.1	.7	1.0	1.3	a.3	.2
31	4.4	---	3.6	3.4	-----	5.7	-----	.6	-----	1.0	a.2	-----
Total	330.4	191.2	119.5	97.5	87.7	41.7	46.2	12.7	21.6	39.7	20.5	66.8
Mean	10.7	6.37	3.85	3.15	3.13	1.35	1.54	0.41	0.72	1.28	0.68	2.23
Cfs/m	0.214	0.127	0.077	0.063	0.063	0.027	0.031	0.0082	0.014	0.026	0.013	0.045
In.	0.25	0.14	0.09	0.07	0.07	0.03	0.03	0.009	0.02	0.03	0.02	0.05

Calendar year 1954: Max 143 Min 1.6 Mean 26.0 Cfs/m 0.520 In. 7.07
 Water year 1954-55: Max 25 Min 0 Mean 2.95 Cfs/m 0.059 In. 0.61

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for nearby stations.

Peace Creek Marsh outlet near Alturas, Fla.

Location.--Lat 27°55', long 81°43', in sec. 34, T. 29 S., R. 26 E., near left bank at upstream side of highway bridge, half a mile north of State Highway 60, 3.5 miles north of Alturas, and 8½ miles east of Bartow.

Drainage area.--150 sq mi, approximately

Records available.--January 1947 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 97.67 ft above mean sea level, datum of 1929 (State Road Department benchmark).

Average discharge.--8 years, 121 cfs.

Extremes.--Maximum discharge during year, 240 cfs Nov. 14 (gage height, 5.65 ft); minimum, 5.3 cfs May 13 (gage height, 2.81 ft).

1947-55: Maximum discharge, 1,740 cfs Aug. 28, 29, 1949; maximum gage height, 11.67 ft Aug. 28, 1949; minimum discharge, 4.9 cfs May 26-28, 1949 (gage height, 2.61 ft). Maximum stage known, 13.3 ft in 1928, from information by local resident (discharge, 2,540 cfs, from rating curve extended above 1,600 cfs).

Remarks.--Records good.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	34	38	30	39	29	37	7.3	8.4	44	32	53
2	81	33	*36	29	37	28	36	7.0	7.6	43	32	99
3	58	32	34	29	36	27	40	6.2	7.1	39	30	81
4	53	30	32	28	34	26	*36	6.2	6.8	33	30	76
5	48	29	30	28	32	25	34	6.3	6.7	30	32	56
6	44	28	31	27	30	24	30	6.3	6.6	28	24	44
7	44	26	32	27	29	23	27	6.2	6.4	34	20	43
8	44	25	30	26	30	22	25	6.7	6.4	38	18	91
9	52	23	29	25	30	20	22	6.8	6.3	32	18	127
10	53	22	28	25	29	20	20	6.7	6.0	30	16	99
11	48	22	27	*24	35	19	19	e6.6	7.9	23	15	98
12	45	22	26	24	46	19	19	e5.9	14	23	*14	76
13	42	22	26	23	43	18	18	5.6	9.2	22	12	61
14	40	140	31	22	40	18	17	5.8	8.0	20	14	54
15	38	186	34	22	38	17	21	6.0	8.0	18	14	48
16	34	131	33	21	36	16	25	5.9	8.4	17	12	44
17	31	107	32	25	38	16	22	6.2	9.5	16	12	41
18	29	93	40	25	41	16	18	*6.2	10	14	10	52
19	*27	84	45	28	41	15	15	6.2	9.5	12	14	110
20	25	77	45	27	40	15	14	7.6	11	12	24	88
21	24	71	44	26	38	14	13	11	*9.2	14	24	102
22	24	66	41	25	37	14	12	22	8.2	25	28	*76
23	22	67	40	24	36	14	11	15	12	20	25	71
24	21	65	39	41	*35	19	9.9	13	48	19	22	64
25	20	60	37	66	33	26	9.5	12	45	19	50	56
26	20	55	36	58	32	26	8.4	13	42	28	65	59
27	19	50	34	53	31	26	8.2	13	36	23	43	51
28	19	47	33	51	30	26	7.6	11	57	20	33	45
29	19	44	32	48	-	51	7.5	10	44	21	28	42
30	43	41	31	44	-----	44	7.5	9.9	44	41	27	39
31	37	---	30	41	-----	40	-----	9.2	-----	33	26	---
Total	1,151	1,732	1,056	992	996	713	589.6	266.8	509.2	791	764	2,046
Mean	37.1	57.7	34.1	32.0	35.6	23.0	19.7	8.61	17.0	25.5	24.6	68.2
Cfsm	0.247	0.385	0.227	0.213	0.237	0.153	0.131	0.057	0.113	0.170	0.164	0.455
In.	0.29	0.43	0.26	0.25	0.25	0.18	0.15	0.07	0.13	0.20	0.19	0.51

Calendar year 1954: Max 310

Min 14

Mean 73.5

Cfsm 0.490

In. 6.65

Water year 1954-55: Max 186

Min 5.6

Mean 31.8

Cfsm 0.212

In. 2.91

* Discharge measurement made on this day.

e Stage-discharge relation indefinite; discharge estimated on basis of adjacent gage-height record and records for other stations in basin.

Lulu Lake Outlet at Eloise, Fla.

Location.--Lat 27°59', long 81°44' (revised) in SE $\frac{1}{4}$ sec. 5, T. 29 S., R. 26 E., on left downstream abutment of culvert on State Highway 540A at intersection with old Rifle Range Road, 1,800 ft downstream from concrete control at outlet of Lake Lulu and 0.8 mile southeast of Eloise.

Drainage area.--26 sq mi, approximately.

Records available.--February 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 120.00 ft above mean sea level, datum of 1929. Prior to Jan. 8, 1953, at site 1,500 ft upstream at same datum.

Extremes.--Maximum discharge during year, 6.5 cfs Apr. 14 (gage height, 6.58 ft); minimum daily, 0.1 cfs Aug. 16-23, 28, 29.

1946-55: Maximum discharge, 178 cfs Dec. 14, 1953, caused by failure of control at outlet of Lake Lulu, 1,800 ft upstream; maximum gage height, 11.18 ft, at former site, Aug. 25, 1948, from floodmarks; no flow Mar. 11, 12, Apr. 1, 2, 4, 5, 1951.

Remarks.--Records poor. Records include small amount of waste water diverted by Polk Packing Association plant, from ground-water supplies, during packing season. Some regulation by Lake Lulu.

Rating tables, water year 1954-55 (gage height, in feet, and discharge
in cubic feet per second)
(Shifting-control method used Dec. 12-25, Mar. 11-15)

Oct. 1 to Dec. 25,

Mar. 16 to July 27, Dec. 26 to Mar. 15 July 28 to Sept. 25

Sept. 26-30

5.6	0.2	5.8	0.4	5.64	0
5.7	.6	6.0	1.4	5.7	.2
6.0	2.3	6.4	4.2	5.9	1.5
6.4	5.2				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.2	2.8	3.0	3.1	3.2	2.4	3.0	1.8	0.8	0.9	0.8	0.2
2	3.2	3.3	*3.2	3.0	3.2	2.5	3.0	1.9	.7	.7	*.8	1.0
3	3.1	3.4	3.2	3.6	3.2	2.4	2.8	1.5	.8	.7	.4	1.4
4	3.1	3.5	2.8	3.6	3.1	2.5	*2.7	1.4	1.0	.6	.5	1.3
5	2.6	3.5	2.4	3.5	3.0	2.3	2.8	1.4	.6	.6	.5	.4
6	1.5	3.2	3.4	3.5	2.6	1.7	2.8	1.4	.4	.6	.3	.3
7	1.5	2.6	4.4	3.5	*2.8	2.2	2.8	1.4	*.4	.6	.3	*.3
8	1.6	3.0	4.5	3.3	2.8	2.3	2.6	1.2	.5	.6	.2	.9
9	1.7	*3.2	4.5	2.9	2.6	2.6	2.4	1.2	.4	.6	.2	1.1
10	1.5	3.2	4.3	*3.2	2.6	2.8	2.2	1.3	.5	.5	.2	.5
11	1.5	3.2	3.8	3.4	3.4	2.9	2.3	1.3	.8	.5	.2	.4
12	1.6	3.2	3.4	3.4	2.6	2.6	2.6	1.1	1.5	.6	*.2	.4
13	1.6	3.0	3.6	3.3	2.0	2.4	2.8	1.3	.8	.6	.3	.4
14	2.1	4.1	3.6	3.4	2.6	2.7	3.4	1.1	.7	.6	.3	.3
15	2.8	3.3	3.5	3.2	2.6	3.0	2.8	1.2	.7	.6	.2	.3
16	2.2	3.4	3.4	2.8	2.6	*3.0	2.3	1.0	.7	1.0	.1	.3
17	2.2	3.2	3.3	3.2	2.6	2.8	2.0	1.2	.7	.8	.1	.3
18	2.9	3.1	3.2	3.4	2.5	2.9	2.2	*1.1	.7	.7	.1	.3
19	*3.6	3.2	2.3	3.5	2.3	2.7	2.2	1.7	.7	.7	.1	.3
20	4.0	3.1	*2.7	3.3	1.9	1.9	2.2	2.0	.7	.6	.1	.3
21	4.0	2.6	2.9	3.3	2.3	1.6	2.0	1.8	*.6	1.1	.1	.4
22	3.5	2.7	3.0	3.2	2.3	2.3	2.2	1.6	.6	.9	.1	.4
23	2.9	3.3	3.0	2.8	*2.2	2.7	2.0	1.5	1.2	.9	.1	*.4
24	2.6	3.1	1.7	4.1	2.2	3.6	1.5	1.5	.8	1.2	.3	.4
25	2.8	2.7	.8	3.1	2.2	3.4	2.0	1.5	.8	.9	.6	1.0
26	3.2	2.5	.8	3.3	1.9	3.0	2.0	1.6	.7	.9	.3	.9
27	3.2	2.4	1.5	3.3	1.7	2.0	2.1	1.4	.7	1.4	.2	.8
28	3.3	2.0	3.5	3.3	1.8	2.0	2.1	1.4	.7	1.2	.1	.9
29	3.4	2.1	3.7	3.0	-	2.1	2.2	1.4	.7	.8	.1	.9
30	3.4	2.4	3.6	2.6	-----	2.0	1.8	1.3	.7	.7	.2	.8
31	2.6	-----	3.6	2.9	-----	3.0	-----	1.0	-----	.9	.2	-----
Total	82.4	90.3	96.6	101.0	70.8	78.3	71.8	43.5	21.6	24.0	7.8	17.6
Mean	2.66	3.01	3.12	3.26	2.53	2.53	2.39	1.40	0.72	0.77	0.25	0.59
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	28			Min	0.8	Mean	5.96	Cfsm	-	In.	-	
Water year 1954-55: Max	4.5				0.1	Mean	1.93	Cfsm	-	In.	-	

* Discharge measurement made on this day.

Peace River at Bartow, Fla.

Location--Lat 27°54'07", long 81°49'03", in NE¼ sec. 4, T. 30 S., R. 25 E., near center of span on downstream side of bridge on State Highway 60, 500 ft downstream from McKinney Branch and 0.6 mile east of Bartow.

Drainage area--390 sq mi, approximately.

Records available--November 1939 to September 1955.

Gage--Water-stage recorder. Datum of gage is 90.56 ft above mean sea level, datum of 1929. Prior to July 12, 1940, staff gage, and July 12, 1940, to Nov. 5, 1948, water-stage recorder, at site 200 ft downstream at same datum.

Average discharge--16 years, 288 cfs.

Extremes--Maximum discharge during year, 389 cfs Sept. 11 (gage height, 4.06 ft); minimum, 28 cfs May 15, June 11 (gage height, 1.44 ft).

1939-55: Maximum discharge, 4,140 cfs Sept. 24, 1947 (gage height, 6.45 ft), from rating curve extended above 2,900 cfs; minimum, 1.4 cfs June 2, 1945 (gage height, 0.05 ft).

Remarks--Records good except those for period of no gage-height record, which are fair.

Revisions--WSP 1284: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	283	82	124	98	157	98	99	52	44	105	218	218
2	262	70	115	98	149	97	97	*48	38	100	*235	229
3	236	68	113	96	138	97	109	46	35	93	226	312
4	*218	63	109	94	134	92	107	40	34	85	207	325
5	209	58	101	93	131	89	106	35	37	78	197	315
6	198	58	100	91	130	80	103	37	35	71	190	292
7	198	55	137	91	*132	75	92	38	34	71	180	*269
8	198	52	130	87	148	82	97	38	32	81	176	276
9	209	51	116	87	165	78	98	38	31	89	176	315
10	215	51	115	86	145	71	88	38	30	78	167	357
11	198	52	110	83	138	68	78	37	30	69	156	385
12	184	52	104	83	187	65	79	34	54	66	143	381
13	170	52	98	83	221	64	77	34	58	64	134	365
14	165	103	107	80	212	63	83	30	*52	63	137	345
15	138	*215	110	79	189	61	97	29	47	58	148	318
16	124	230	113	77	187	58	102	32	44	60	141	289
17	111	227	112	86	184	58	105	31	52	91	128	266
18	92	227	128	87	187	60	103	35	63	90	123	250
19	76	210	137	93	201	55	93	38	60	82	145	269
20	67	199	133	91	195	54	85	41	67	77	210	289
21	67	182	123	87	181	*49	78	43	66	80	205	305
22	63	164	124	86	173	44	76	51	64	106	188	308
23	58	168	127	83	168	49	75	50	66	123	176	318
24	55	172	123	140	165	59	66	55	75	152	178	299
25	54	160	118	243	162	55	58	53	90	154	178	279
26	52	151	110	225	162	51	60	56	88	148	216	285
27	52	137	*109	210	148	85	61	56	87	171	238	272
28	52	123	108	200	126	91	61	55	102	171	238	250
29	51	113	106	187	-	113	58	50	100	167	221	232
30	87	134	102	178	-----	114	54	46	120	178	197	216
31	105	-----	101	169	-----	106	-----	45	-----	235	192	-----
Total	4,247	3,679	3,563	3,571	4,615	2,281	2,545	1,311	1,735	3,256	5,664	8,829
Mean	137	123	115	115	165	73.6	84.8	42.3	57.8	105	183	294
Cfsm	0.351	0.315	0.295	0.295	0.423	0.189	0.217	0.108	0.148	0.269	0.469	0.754
In.	0.40	0.35	0.34	0.34	0.44	0.22	0.24	0.13	0.17	0.31	0.54	0.84
Calendar year 1954: Max	939			Min 51		Mean 230		Cfsm 0.590		In. 8.00		
Water year 1954-55: Max	385			Min 29		Mean 124		Cfsm 0.318		In. 4.32		

* Discharge measurement made on this day.

Note--No gage-height record Dec. 29 to Feb. 6; discharge estimated on basis of recorded range in stage, and records for Peace Creek Marsh Outlet near Alturas and Peace River at Zolfo Springs.

Kissengen Spring near Bartow, Fla.

Location (revised)--Lat 27°50'32", long 81°48'39", in sec. 28, T. 30 S., R. 25 E., on dock at east edge of pool at head of spring, 4½ miles southeast of Bartow.

Records available--1917, 1929-31 (one discharge measurement in each year), March 1932 to September 1955 (discharge measurements only).

Gage--Staff gage read only at time of discharge measurements or inspections of no flow. Prior to Apr. 6, 1937, at datum 1.00 ft lower.

Extremes--1932-55: Maximum discharge measured, 43.6 cfs Oct. 11, 1933; no flow observed for long periods.

Remarks--Discharge measurements made at outlet of pool. Discharge measurements or inspections of no flow made at six-week intervals.

Discharge measurements, in cubic feet per second, water year October 1954 to September 1955

Oct. 4.....	0	May 2.....	0
Nov. 15.....	0	June 13.....	0
Dec. 27.....	0	Aug. 2.....	0
Feb. 7.....	0	23.....	0
Mar. 21.....	0	Sept. 7.....	3.63

Peace River at Zolfo Springs, Fla.

Location.--Lat 27°30', long 81°48', in sec. 22, T. 34 S., R. 25 E., near right bank at downstream side of bridge on U. S. Highway 17, 0.8 mile north of Zolfo Springs.

Drainage area.--840 sq mi, approximately.

Records available.--September 1933 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 35.20 ft above mean sea level, datum of 1929.

Average discharge.--22 years, 748 cfs.

Extremes.--Maximum discharge during year, 2,610 cfs Sept. 10 (gage height, 8.50 ft); minimum, 49 cfs June 11 (gage height, -0.62 ft).
1933-55: Maximum discharge, 26,300 cfs Sept. 6, 1933 (gage height, 20.05 ft); minimum, 44 cfs May 26-30, 1949; minimum gage height, that of June 11, 1955.

Remarks.--Records good except those for period of no gage-height record, which are fair.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Sept. 3, Sept. 12-30				Sept. 4-11	
-0.7	39	5.0	1,170	3.0	633
0.0	143	7.0	1,860	5.0	1,130
2.0	492	9.0	2,970	7.0	1,860
				9.0	2,970

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,120	467	290	293	440	295	322	145	99	624	683	1,570
2	1,000	409	289	292	425	279	301	*132	84	517	*591	1,600
3	957	349	295	276	415	271	454	129	93	452	769	2,320
4	*872	314	293	273	391	269	407	124	92	405	740	1,820
5	778	297	306	268	374	265	345	110	75	325	650	1,200
6	674	279	314	258	368	257	290	100	69	287	635	776
7	646	274	330	266	*352	231	260	102	66	250	511	*660
8	665	277	314	265	361	217	252	108	62	620	427	935
9	674	249	321	261	370	220	228	105	55	612	521	2,130
10	672	233	317	276	321	225	218	99	51	409	456	2,530
11	648	241	306	266	322	223	210	108	52	295	411	2,540
12	595	255	308	252	372	220	207	108	90	242	370	2,100
13	519	261	a308	236	365	207	209	92	*111	207	342	1,560
14	471	389	a383	237	359	189	213	86	117	177	311	1,210
15	440	*740	a415	237	342	189	223	96	117	162	308	976
16	405	753	a366	265	340	191	226	80	114	148	295	830
17	380	734	a338	297	352	180	218	78	209	133	290	720
18	361	687	425	317	509	175	201	102	335	137	289	646
19	338	633	591	321	551	183	204	146	329	145	357	657
20	301	559	528	300	492	175	209	143	344	148	576	725
21	292	509	454	285	427	*161	185	121	274	162	460	881
22	271	486	405	289	389	154	169	119	266	169	421	1,210
23	268	482	385	308	365	145	159	140	228	186	409	1,270
24	266	465	368	435	350	140	159	186	213	207	465	1,000
25	250	429	352	879	344	213	156	148	220	338	668	800
26	234	405	349	789	338	274	146	143	266	589	544	646
27	218	385	*333	618	333	292	137	135	301	475	500	563
28	225	365	311	545	313	279	148	137	303	793	448	500
29	242	342	287	536	-	433	153	140	374	931	399	450
30	409	317	284	513	-----	454	151	143	780	789	378	421
31	538	-----	290	475	-----	375	-----	140	-----	650	463	-----
Total	15,729	12,585	10,855	11,130	10,700	7,382	6,758	3,745	5,789	11,584	14,687	35,246
Mean	507	420	350	359	332	236	225	121	135	374	474	1,175
Cfs/m	0.604	0.500	0.417	0.427	0.455	0.283	0.268	0.144	0.230	0.445	0.564	1.40
In.	0.70	0.58	0.48	0.49	0.47	0.33	0.30	0.17	0.26	0.51	0.65	1.56
Calendar year 1954: Max	3,630			Min	208		Mean	755	Cfs/m	0.899	In.	12.21
Water year 1954-55: Max	2,540			Min	51		Mean	401	Cfs/m	0.477	In.	6.48

* Discharge measurement made on this day.

No gage-height record; discharge estimated on basis of recorded range in stage and records for stations at Bartow and Arcadia.

Little Charley Bowlegs Creek near Sebring, Fla.

Location.--Lat 27°28'40", long 81°33'25", in NW $\frac{1}{4}$ sec. 31, T. 34 S., R. 28 E., on right bank 160 ft downstream from concrete control, 750 ft north of county road in Highlands Hammock State Park, 0.8 mile upstream from unnamed creek, and $7\frac{1}{4}$ miles southeast of Sebring.

Drainage area.--32.4 sq mi.

Records available.--January 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 62.32 ft above mean sea level, datum of 1929. Prior to June 4, 1953, on right bank at upstream side of concrete control.

Extremes.--Maximum discharge during year, 264 cfs at 12:01 a.m. Oct. 1, stage falling; maximum peak discharge during year, 256 cfs Sept. 10 (gage height, 15.81 ft, from recorded range in stage); no flow on many days.
1952-55: Maximum discharge, 682 cfs Oct. 10, 1953 (gage height, 16.83 ft); no flow on many days.

Remarks.--Records fair except those for period of no gage-height record, which are poor. Low flow regulated by manipulation of stoplogs and culvert gates in dam upstream from station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

13.3	0	13.7	0.5	14.2	4.4	14.9	42
13.4	.1	13.8	.8	14.3	6.2	15.4	122
13.5	.2	13.9	1.4	14.5	13	15.7	213
13.6	.3	14.0	2.1	14.7	24	16.0	332

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	244	4.2	8.0	12	22	4.9	3.9	0.7		0	10	21
2	221	3.9	7.1	11	19	3.9	6.0	.6		.5	17	39
3	183	3.4	6.2	10	18	3.5	11	.6		5.3	18	76
4	154	3.1	5.3	9.2	16	3.0	11	.6		14	19	80
5	127	3.0	4.8	8.3	15	2.4	10	.5		14	21	91
6	107	2.8	5.1	7.7	13	1.9	*11	.4		10	19	89
7	100	2.4	4.9	7.1	12	1.5	8.9	.2		10	16	84
8	98	2.2	4.8	6.8	15	1.3	8.0	.2		11	15	105
9	96	*1.9	4.6	6.0	18	1.0	6.5	.1		8.0	17	198
10	86	1.9	4.2	5.7	16	.9	5.3	0		6.5	*17	252
11	78	2.6	3.9	5.3	16	.8	4.6	0		6.2	15	236
12	70	3.0	3.8	*4.9	15	.7	5.7	0		8.0	14	209
13	58	2.9	3.9	4.4	14	.7	3.9	0		8.0	1.5	191
14	45	12	7.1	3.9	12	.6	3.3	0		7.4	6.2	167
15	36	14	7.1	3.6	12	.6	2.9	0		5.5	6.0	151
16	28	14	7.1	3.5	10	.5	2.4	0		5.5	4.9	131
17	22	19	6.2	5.5	13	.6	2.4	0		6.5	4.1	116
18	18	27	21	5.5	14	.5	2.2	0		7.7	3.2	109
19	15	26	35	6.0	14	.5	2.1	0		6.5	8.9	187
20	13	27	*35	5.7	14	.4	2.0	*0		5.1	18	209
21	7.4	27	33	5.5	14	.4	1.8	0		16	20	*198
22	*2.2	24	32	5.5	12	.4	1.8	.1		18	21	176
23	1.9	24	28	4.8	10	.4	1.7	.1	(*)	18	20	151
24	2.0	22	25	15	9.2	.6	1.5	.1		21	18	129
25	3.5	19	21	40	8.0	1.0	1.4	0		21	16	112
26	4.0	17	20	44	6.5	1.4	1.3	0		17	13	98
27	3.8	14	18	40	6.0	1.4	1.1	0		15	11	84
28	3.5	13	17	39	*5.5	1.5	1.0	0		12	7.7	73
29	3.5	11	15	34	-	3.5	.9	0		10	5.3	61
30	6.8	*9.2	14	29	-----	4.0	.8	0		8.9	12	49
31	4.8	-----	13	25	-----	4.0	-----	0		8.0	21	-----
Total	1,842.4	356.5	421.1	415.9	369.2	48.8	128.4	4.2	0	310.6	415.8	3,872
Mean	59.4	11.9	13.6	13.4	13.2	1.57	4.21	0.14	0	10.0	13.4	129
Cfs/m	1.83	0.367	0.420	0.414	0.407	0.048	0.130	0.0043	0	0.309	0.414	3.98
In.	2.11	0.41	0.48	0.48	0.42	0.06	0.15	0.005	0	0.36	0.48	4.44
Calendar year 1954: Max	377				Min 0		Mean 48.4	Cfs/m 1.49	In. 20.24			
Water year 1954-55: Max	252				Min 0		Mean 22.4	Cfs/m 0.691	In. 9.40			

* Discharge measurement or observation of no flow made on this day.

Note.--No gage-height record Sept. 9-20; discharge estimated on basis of recorded range in stage and records for nearby stations.

PEACE RIVER BASIN

Charlie Apopka Creek near Gardner, Fla.

Location.--Lat 27°22', long 81°48', in sec. 3, T. 36 S., R. 25 E., near left bank on downstream side of bridge pier on U. S. Highway 17, 1.6 miles north of Gardner and 2.2 miles upstream from mouth.

Drainage area.--330 sq mi, approximately.

Records available.--April 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 21.66 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 381 cfs.

Extremes.--Maximum discharge during year, 2,540 cfs Sept. 9 (gage height, 13.83 ft); minimum, 2.6 cfs May 16, June 6, 9, 10, 11, 16 (gage height, 2.58 ft).

1950-55: Maximum discharge, 6,640 cfs Oct. 10, 1953 (gage height, 17.85 ft); minimum, 0.3 cfs Aug. 6-8, 1950.

Flood in 1928 reached a stage of 24.2 ft, from information by local resident.

Remarks.--Records good except those for September, which are fair.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 6, 7)

Oct. 1 to Aug. 29

Aug. 30 to Sept. 30

2.5	1.6	4.0	85	3.0	16	7.0	445
2.6	2.9	5.0	185	3.5	46	8.0	610
2.7	4.7	7.0	491	4.0	85	11.0	1,420
2.8	7.6	9.0	865	5.0	181	14.0	2,620
3.0	16	12.0	1,800				
3.5	46						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	1,460	59	59	65	156	45	16	4.2	5.2	298	*104	80
3	1,320	54	54	60	140	41	15	4.0	4.7	234	104	183
4	1,160	50	51	56	124	37	33	4.0	3.6	307	123	302
5	998	47	47	52	110	35	41	4.0	3.2	222	173	228
6	844	45	45	49	98	32	36	3.8	2.9	149	223	211
7												
8	739	42	43	46	86	29	34	*3.6	2.7	113	160	218
9	721	40	41	44	77	26	32	3.8	2.9	96	126	*427
10	787	38	39	41	77	24	30	4.7	2.7	254	123	859
11	707	37	37	39	*86	22	28	5.3	2.7	258	190	2,340
12	712	36	36	38	81	20	25	5.2	2.7	156	133	1,540
13												
14	732	35	34	36	75	19	22	3.2	3.0	109	106	1,170
15	*739	35	32	35	73	17	19	2.9	4.2	79	82	936
16	716	35	32	33	68	16	18	2.9	3.8	61	82	706
17	666	52	35	32	63	15	17	2.9	3.2	52	51	569
18	595	144	39	30	58	14	15	2.7	2.9	44	47	509
19												
20	513	151	38	28	54	13	14	2.7	*2.7	37	72	475
21	430	*148	36	30	127	12	12	3.2	3.0	37	61	446
22	362	145	76	32	247	11	10	6.2	4.0	37	39	448
23	298	133	162	33	157	10	8.7	14	4.2	42	29	788
24	244	118	148	33	132	9.5	8.3	15	4.0	37	23	626
25												
26	193	108	137	31	117	8.7	7.6	10	4.2	36	23	616
27	151	99	133	30	99	8.3	6.9	7.2	4.2	39	23	669
28	130	99	132	29	85	7.6	6.9	6.0	3.8	70	19	936
29	114	100	127	42	74	*8.3	6.3	5.2	3.5	72	17	1,040
30	101	96	119	144	65	12	6.0	4.2	5.2	62	17	849
31												
1	90	88	111	162	58	10	5.4	4.2	5.2	64	18	666
2	80	81	102	163	54	10	5.2	4.7	4.2	68	20	553
3	72	74	92	175	49	9.9	4.9	4.0	6.9	69	18	475
4	66	69	83	182	—	16	4.7	3.6	19	72	16	406
5	65	63	*76	182	—	22	4.5	3.5	398	82	16	542
6	64	—	71	171	—	20	—	3.8	—	94	52	—
Total	15,869	2,322	2,267	2,123	2,690	580.3	492.4	150.7	522.5	3,350	2,270	19,613
Mean	512	77.4	73.1	68.5	96.1	18.7	16.4	4.86	17.4	108	73.2	654
Cfsm	1.55	0.235	0.222	0.208	0.291	0.057	0.050	0.015	0.053	0.327	0.222	1.98
In.	1.79	0.26	0.26	0.24	0.30	0.07	0.06	0.02	0.06	0.38	0.26	2.21
Calendar year 1954: Max		2,680		Min	13		Mean	453	Cfsm	1.37	In.	18.64
Water year 1954-55: Max		2,340		Min	2.7		Mean	143	Cfsm	0.433	In.	5.91

* Discharge measurement made on this day.

Peace River at Arcadia, Fla.

Location.--Lat 27°13', long 81°52', in SE $\frac{1}{4}$ sec. 26, T. 37 S., R. 24 E., on left bank 75 ft upstream from bridge on State Highway 70, half a mile west of Arcadia, and about 5 miles upstream from Joshua Creek.

Drainage area.--1,370 sq mi, approximately.

Records available.--April 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 8.25 ft above mean sea level, datum of 1929. Prior to July 19, 1931, staff gage at same site and datum.

Average discharge.--24 years, 1,257 cfs.

Extremes.--Maximum discharge during year, 5,460 cfs at 12:01 a.m. Oct. 1 (stage falling, peak occurred Sept. 29, 1954); maximum peak discharge during year, 5,150 cfs Sept. 10 (gage height, 8.77 ft); minimum discharge, 99 cfs June 11 (gage height, -0.09 ft). 1931-55: Maximum discharge, 36,200 cfs, Sept. 9, 1933 (gage height, 17.67 ft); minimum, 37 cfs May 28, 1949; minimum gage height, -0.81 ft June 4, 5, 7, 1945. Maximum stage known, 18.3 ft in 1912, from information by county engineer (discharge, 43,000 cfs, from rating curve extended above 30,000 cfs).

Remarks.--Records good.

Revisions.--WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,850	672	435	408	708	386	405	142	131	1,660	*1,280	1,910
2	3,710	608	394	401	680	382	348	140	121	1,220	1,440	2,740
3	3,020	541	383	390	616	335	372	136	114	1,000	1,560	3,600
4	2,560	476	383	372	584	315	516	134	111	847	1,800	3,830
5	2,230	427	376	362	549	305	476	134	114	888	1,750	3,370
6	1,930	397	394	352	514	295	394	*130	110	544	1,440	*2,500
7	1,680	372	401	335	495	280	328	127	107	458	1,210	1,950
8	*1,920	358	416	335	484	251	292	129	105	585	940	2,110
9	1,830	355	397	331	514	232	274	127	104	1,170	862	3,840
10	1,700	321	397	321	*518	230	243	126	101	1,030	1,210	5,080
11	1,650	235	386	331	465	232	222	122	102	684	1,290	5,040
12	1,600	295	322	324	454	227	213	124	107	494	930	4,830
13	1,500	311	383	308	492	218	204	124	108	588	898	4,230
14	1,370	465	423	283	499	204	208	120	119	328	573	3,410
15	1,250	764	492	280	473	191	213	116	117	280	532	2,650
16	1,120	1,030	503	280	442	191	213	118	*118	261	632	2,120
17	975	*1,030	461	311	450	193	206	118	118	255	652	1,770
18	872	1,000	576	352	718	183	193	118	166	250	558	1,560
19	796	928	852	390	832	182	180	125	295	234	497	2,030
20	716	852	916	383	788	180	176	140	328	229	684	2,260
21	624	752	804	358	696	173	180	147	334	231	910	2,040
22	580	692	704	341	612	169	166	141	283	278	820	2,150
23	503	696	648	338	549	164	158	133	263	316	712	2,560
24	473	696	612	390	499	*163	150	162	234	346	585	2,870
25	442	664	584	732	465	163	148	176	213	346	704	2,720
26	408	608	553	1,160	446	202	147	144	242	486	1,050	2,240
27	378	572	537	1,070	427	254	142	136	289	672	1,020	1,810
28	345	541	507	888	412	274	138	132	340	636	815	1,510
29	338	503	489	824	-	299	140	131	370	985	658	1,270
30	366	473	*423	796	-----	446	142	130	1,150	1,200	570	1,080
31	557	-----	412	760	-----	484	-----	131	-----	1,220	815	-----
Total	42,271	17,694	15,593	14,506	15,359	7,783	7,189	4,115	6,394	19,321	29,193	81,080
Mean	1,364	590	503	468	549	251	240	133	213	623	942	2,703
Cfsm	0.996	0.431	0.367	0.342	0.401	0.183	0.175	0.097	0.155	0.455	0.688	1.97
In.	1.15	0.48	0.42	0.39	0.42	0.21	0.20	0.11	0.17	0.52	0.79	2.20

Calendar year 1954: Max 6,330 Min 295 Mean 1,392 Cfsm 1.02 In. 13.79
 Water year 1954-55: Max 5,080 Min 191 Mean 714 Cfsm 0.521 In. 7.06

* Discharge measurement made on this day.

Joshua Creek at Nocatee, Fla.

Location.--Lat 27°10', long 81°53', in sec. 14, T. 38 S., R. 24 E., near center of span on downstream side of bridge on U. S. Highway 17, 0.5 mile north of Nocatee and 2.1 miles upstream from mouth.

Drainage area.--115 sq mi, approximately.

Records available.--April 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 3.94 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 126 cfs.

Extremes.--Maximum discharge during year, 1,240 cfs Sept. 24 (gage height, 12.18 ft); minimum daily, 0.4 cfs June 9, 10.

1950-55: Maximum discharge, 8,670 cfs Oct. 10, 1953 (gage height, 18.80 ft); no flow Nov. 18-20, 22-24, 1953.

Flood in September 1948 reached a stage of 17.7 ft, from information by local residents.

Remarks.--Records fair except those for September, which are poor.

Revisions (water years).--WSP 1334: 1952(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 4-8)

Oct. 1 to Aug. 19

Aug. 20 to Sept. 30

4.2	0.2	6.0	68	4.8	13	7.5	176
4.3	.6	7.0	173	5.0	18	9.0	400
4.4	1.9	9.0	451	5.5	34	11.0	888
5.0	18	10.0	625	6.5	65	12.0	1,190
5.5	36						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	509	11	10	12	14	7.8	4.6	0.9	0.6	45	*4.9	27
2	341	10	10	11	13	7.3	4.6	1.0	.8	64	8.4	45
3	241	9.5	9.5	11	12	7.0	5.1	.9	.8	49	15	121
4	166	8.9	8.9	10	11	7.0	7.8	.9	.5	48	31	160
5	116	8.6	8.4	9.5	10	6.5	6.2	.9	.5	40	45	142
6	83	8.4	9.5	9.2	9.5	6.2	4.9	*.7	.5	30	60	*104
7	87	9.5	10	9.2	9.2	5.7	3.8	.6	.5	23	68	70
8	*172	13	10	9.2	9.5	5.4	3.2	.8	.5	21	82	93
9	158	12	9.5	8.4	11	4.9	3.0	2.0	.4	19	64	282
10	98	12	9.5	8.1	*9.7	4.6	2.7	4.1	.4	16	52	424
11	66	12	9.2	8.1	9.7	4.6	2.4	1.2	2.0	15	45	482
12	48	12	8.6	7.8	11	4.3	2.4	.9	10	13	35	430
13	39	12	8.9	7.3	10	4.1	2.4	1.0	10	10	28	288
14	32	16	10	6.8	9.5	3.8	3.2	1.0	6.5	8.6	23	176
15	28	22	11	6.8	9.2	3.5	2.7	.9	4.9	7.6	24	126
16	24	21	10	6.8	8.6	3.5	2.4	1.2	*3.8	6.0	20	99
17	21	*21	9.7	7.3	12	3.2	1.9	1.2	4.3	5.4	17	71
18	19	20	24	8.1	30	3.2	1.6	1.9	6.0	5.4	14	54
19	17	18	42	8.4	28	3.0	1.4	2.4	6.5	4.6	13	62
20	15	18	37	8.1	22	3.0	1.4	1.9	4.9	4.1	14	134
21	14	17	28	7.6	18	2.7	1.4	2.2	4.6	4.1	19	139
22	13	15	23	7.3	15	2.4	1.4	4.1	4.1	4.9	21	221
23	12	18	20	7.0	13	1.9	1.4	4.1	6.5	5.1	18	532
24	11	19	19	9.7	12	*274	1.3	4.6	6.0	4.6	18	1,170
25	11	17	18	21	10	4.1	1.2	2.7	6.8	4.1	33	814
26	10	16	16	23	9.7	3.8	1.2	1.6	9.5	4.9	40	469
27	9.5	14	16	20	9.2	3.8	1.0	1.2	8.9	3.2	39	253
28	9.2	13	15	19	8.6	3.8	.9	1.0	12	2.4	29	152
29	8.9	12	14	16	-	6.5	.9	.9	13	3.0	22	102
30	10	11	*13	15	-----	6.8	.9	.8	22	5.4	20	71
31	12	-----	12	14	-----	6.0	-----	.7	-----	5.1	20	-----
Total	2,380.6	426.9	459.7	332.7	354.4	142.8	82.1	50.3	157.4	481.5	942.3	7,313
Mean	76.8	14.2	14.8	10.7	12.7	4.61	2.74	1.62	5.25	15.5	30.4	244
Cfsm	0.668	0.123	0.129	0.093	0.110	0.040	0.024	0.014	0.046	0.135	0.264	2.12
In.	0.77	0.14	0.15	0.11	0.11	0.05	0.03	0.02	0.05	0.16	0.30	2.36
Calendar year 1954: Max	1,340				Min 1.3	Mean 91.1	Cfsm 0.792	In. 10.76				
Water year 1954-55: Max	1,170				Min 0.4	Mean 36.0	Cfsm 0.313	In. 4.25				

Peak discharge (base, 1,000 cfs).--Sept. 24 (8:30 a.m.) 1,240 cfs (12.18 ft).

* Discharge measurement made on this day.

Horse Creek near Arcadia, Fla.

Location.--Lat 27°12', long 81°59', in sec. 2, T. 38 S., R. 23 E., near right bank on downstream side of bridge on State Highway 72, 8 miles west of Arcadia and 8 miles upstream from mouth.

Drainage area.--205 sq mi, approximately.

Records available.--April 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 10.96 ft above mean sea level, datum of 1929 (State Road Department benchmark).

Average discharge.--5 years, 227 cfs.

Extremes.--Maximum discharge during year, 1,870 cfs Sept. 2 (gage height, 12.21 ft); minimum, 0.2 cfs June 9, 10, 11 (gage height, 2.13 ft).

1950-55: Maximum discharge, 8,680 cfs Oct. 2, 1951 (gage height, 16.84 ft); minimum, 0.1 cfs May 10-17, 20-22, 1950; minimum gage height, 1.83 ft June 16-18, 1951.

Flood in September 1948 reached a stage of 17.8 ft, from information by State Road Department.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 6		Feb. 7 to Sept. 1		Sept. 2-30	
2.8	13	2.1	0	3.0	37
3.0	28	2.2	.8	4.0	142
4.0	132	2.3	1.9	6.0	415
6.0	405	2.5	5.0	8.0	757
7.1	595	2.6	7.6	10.0	1,180
		2.7	12		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	577	38	52	51	86	57	8.5	1.8	1.4	31	*91	1,150
2	595	36	49	47	79	51	9.4	1.5	1.1	35	211	1,670
3	552	32	45	44	72	45	31	1.4	1.0	22	192	1,540
4	476	31	42	40	66	39	33	1.3	.8	9.4	233	1,100
5	397	31	40	38	61	35	31	1.3	.6	6.0	451	905
6	324	32	40	36	54	31	31	*1.1	.5	4.6	434	*804
7	273	32	42	33	49	26	33	1.0	.5	4.1	354	799
8	*285	31	40	31	54	23	36	1.2	.4	3.3	308	799
9	376	30	37	28	*66	20	38	1.1	.4	3.0	253	806
10	318	28	36	27	56	17	36	1.1	.3	3.2	267	896
11	240	28	35	24	50	14	32	1.2	.6	3.3	271	1,250
12	197	27	32	23	51	12	27	1.1	1.3	3.2	258	1,190
13	169	26	31	22	49	11	23	1.0	1.1	2.9	240	967
14	152	166	44	20	47	9.8	18	1.0	1.3	3.2	219	826
15	140	214	45	18	44	9.4	15	.9	*1.4	3.3	212	709
16	126	120	40	17	42	9.0	12	1.2	1.7	3.6	238	587
17	113	*97	36	19	41	8.5	12	2.0	1.7	7.1	206	467
18	102	85	119	20	58	7.3	8.0	1.9	1.7	5.8	208	370
19	92	72	202	20	100	6.8	6.6	1.5	1.4	4.8	289	347
20	84	65	155	19	107	6.6	5.8	1.7	1.3	3.8	471	354
21	75	61	118	18	114	5.8	5.0	2.3	1.3	3.3	586	309
22	68	58	97	17	130	5.3	4.4	2.3	1.2	4.8	511	300
23	63	84	90	15	135	4.8	4.3	2.4	1.9	6.0	418	339
24	58	96	87	27	122	*4.6	3.8	3.5	2.6	6.6	352	360
25	54	82	85	101	103	4.8	3.5	6.3	3.3	7.6	424	402
26	50	74	81	103	88	4.8	3.2	6.3	4.4	12	397	426
27	46	68	75	88	75	4.8	2.7	4.6	3.8	14	326	410
28	42	62	70	79	65	5.3	2.6	3.6	4.4	20	310	367
29	40	58	65	79	-	11	2.3	2.7	6.0	11	280	316
30	42	54	*60	88	-----	10	2.0	2.2	3.4	18	249	274
31	40	-----	54	90	-----	9.4	-----	1.8	-----	4.4	500	-----
Total	6,166	1,918	2,044	1,282	2,062	509.0	477.5	64.3	83.4	309.9	9,759	21,039
Mean	199	63.9	65.9	41.4	73.6	16.4	15.9	2.07	2.78	10.0	315	701
Cfs/m	0.971	0.312	0.321	0.202	0.359	0.080	0.078	0.010	0.014	0.049	1.54	3.42
In.	1.12	0.35	0.37	0.23	0.37	0.09	0.09	0.01	0.02	0.06	1.77	3.82

Calendar year 1954: Max 1,430 Min 10 Mean 179 Cfs/m 0.873 In. 11.85
 Water year 1954-55: Max 1,670 Min 0.3 Mean 125 Cfs/m 0.610 In. 8.30

Peak discharge (base, 1,500 cfs).--Sept. 2 (8:30 p.m.), 1,870 cfs (12.21 ft).

* Discharge measurement made on this day.

MIAKKA RIVER BASIN

Miakka River near Sarasota, Fla.

Location.--Lat 27°14'25", long 82°18'50", in sec. 21, T. 37 S., R. 20 E., on right bank half a mile upstream from bridge on State Highway 72, 2 miles upstream from Lower Miakka Lake, and 14 miles southeast of Sarasota.

Drainage area.--235 sq mi, approximately.

Records available.--August 1936 to September 1955.

Gage.--Staff gage read once daily. Datum of gage is 7.92 ft above mean sea level, datum of 1929 (National Park Service benchmark). Prior to Apr. 10, 1941, at highway bridge at same datum.

Average discharge.--19 years, 253 cfs.

Extremes.--Maximum discharge during year, 1,490 cfs at 12:01 a.m. Oct. 1, stage falling from peak of Sept. 30, 1954; maximum peak discharge during year, 1,360 cfs Sept. 11, 12 (gage height, 7.96 ft); no flow May 2 to July 24.
1936-55: Maximum discharge observed, 6,620 cfs Sept. 21, 1947 (gage height, 10.78 ft); no flow for many days in some years.

Remarks.--Records poor.

Cooperation.--Gage readings furnished by employees of Miakka River State Park.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to July 24				July 25 to Aug. 4				Aug. 5 to Sept 30			
3.8	0	5.0	29	3.8	0	4.6	23	6.1	255		
4.2	.8	5.3	60	4.0	.4	5.0	61	6.5	367		
4.4	1.7	6.0	186	4.1	1.1	5.5	135	7.0	568		
4.5	3.0	7.0	432	4.2	3.9	6.0	233	7.5	890		
4.6	6.0	7.5	660	4.4	11			8.0	1,410		
4.8	15	8.2	1,450								

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,450	81	79	110	114	182	4.2	0.1		0	83	352
2	1,210	71	74	100	114	171	6.9	0		0	128	400
3	994	63	68	91	110	163	18	0		0	181	670
4	817	55	63	84	104	152	19	*0		0	229	874
5	648	47	60	74	95	140	33	0		0	*307	1,060
6	556	40	60	63	84	129	50	0		0	336	1,140
7	*589	35	56	53	74	121	66	0		0	367	1,120
8	589	32	48	44	81	110	81	0		0	374	1,200
9	584	27	42	36	*77	95	88	0		0	393	*1,160
10	527	24	36	29	73	74	91	0		0	380	1,290
11	478	18	32	23	73	63	88	0		0	387	1,360
12	438	13	28	19	71	53	84	0		0	400	1,360
13	402	4.5	26	14	67	44	76	0		0	407	1,280
14	374	18	31	10	61	38	66	0		0	400	1,150
15	347	24	31	6.0	59	31	66	0	(*)	0	380	953
16	318	38	31	4.2	56	26	63	0		0	367	810
17	291	60	29	2.6	74	19	56	0		0	342	702
18	265	*79	51	3.0	110	15	48	0		0	324	604
19	245	89	77	2.6	167	10	42	0		0	316	530
20	227	91	118	2.0	206	6.0	34	0		0	304	485
21	210	91	148	1.6	221	2.6	24	0		0	291	476
22	196	88	154	1.3	231	1.4	16	0		0	275	485
23	182	95	156	1.1	231	.8	10	0		0	270	539
24	167	97	152	4.1	227	.6	3.6	0		0	270	578
25	152	97	148	10	223	.7	1.5	0		.1	307	568
26	138	95	144	29	214	.7	1.0	0		2.5	313	530
27	125	91	140	55	204	.8	.6	0		12	313	494
28	110	91	135	77	192	1.1	.4	0		25	316	448
29	99	88	*129	95	-	2.3	.3	0		32	319	407
30	104	86	123	106	-----	3.0	.2	0		39	330	367
31	93	-----	118	114	-----	3.3	-----	0	-----	51	352	-----
Total	12,925	1,826.5	2,587	1,264.5	3,613	1,659.3	1,137.7	0.1	0	181.6	9,761	23,392
Mean	417	60.9	83.5	40.8	129	53.5	37.9	0.003	0	5.21	315	780
Cfsm	1.77	0.259	0.355	0.174	0.549	0.228	0.161	0.000013	0	0.022	1.34	5.32
In.	2.05	0.29	0.41	0.20	0.57	0.26	0.18	0.000002	0	0.03	1.54	5.70
Calendar year 1954: Max	1,520				Min 4.5	Mean 198	Cfsm 0.843	In. 11.45				
Water year 1954-55: Max	1,450				Min 0	Mean 160	Cfsm 0.681	In. 9.23				

* Discharge measurement or observation of no flow made on this day.

Manatee River near Bradenton, Fla.

Location (revised).--Lat 27°28'30", long 82°18'05", in SW $\frac{1}{4}$ sec. 34, T. 34 S., R. 20 E., on left bank 150 ft upstream from bridge on State Highway 675, 800 ft upstream from Craig Branch, 6 $\frac{1}{4}$ miles northwest of Verna, and 17 miles east of Bradenton.

Drainage area.--90 sq mi, approximately.

Records available.--April 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 11.72 ft above mean sea level, datum of 1929.

Average discharge.--16 years, 100 cfs.

Extremes.--Maximum discharge during year, 887 cfs Sept. 2 (gage height, 13.94 ft); minimum, 3.2 cfs May 1; minimum gage height, 3.63 ft June 9, 10, 11.

1939-55: Maximum discharge, 6,170 cfs Sept. 18, 1947 (gage height, 24.51 ft), from rating curve extended above 3,500 cfs; minimum, 0.6 cfs May 7, 1939; minimum gage height, 2.48 ft May 5-7, 1939.

Remarks.--Records fair.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 19 to May 13)

Oct. 1 to Nov. 13			Nov. 14 to Sept. 2			Sept. 3-30		
3.9	14		3.5	2.6	5.0	58	4.8	46
5.0	59		3.7	5.4	7.0	177	6.0	117
7.0	151		3.9	10	10.0	454	8.0	252
			4.5	32	13.0	784	13.0	784

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	145	44	18	19	30	16	20	3.4	8.1	13	157	630
2	114	33	18	18	27	14	24	3.4	6.2	21	168	747
3	95	27	17	17	25	14	65	*3.5	5.6	13	361	710
4	82	23	16	16	24	13	52	3.6	5.0	10	*393	487
5	73	22	15	16	22	12	33	4.0	5.0	8.4	228	469
6	*75	21	18	16	20	11	22	4.1	4.9	8.9	178	247
7	100	20	21	16	19	10	16	4.0	4.9	14	442	165
8	67	18	21	16	*28	9.5	12	4.2	4.9	67	606	180
9	62	17	19	16	33	8.9	10	4.2	4.7	109	398	*203
10	56	16	17	16	30	8.6	8.6	4.4	4.6	79	288	179
11	51	16	16	16	31	8.6	7.6	4.7	5.8	44	206	151
12	45	16	15	16	37	8.4	6.6	4.6	12	48	177	121
13	41	16	16	16	34	8.1	6.6	4.9	9.8	36	134	98
14	36	148	32	15	28	7.8	6.8	5.2	9.8	20	103	80
15	33	190	33	15	25	7.6	8.9	5.2	*6.8	14	123	66
16	30	*121	30	15	22	7.3	8.1	5.4	6.0	12	146	54
17	27	89	26	19	28	7.0	6.6	7.3	6.6	16	138	46
18	24	66	86	22	99	6.8	6.0	7.8	7.0	15	123	58
19	22	49	92	28	79	6.6	5.2	9.8	33	12	119	324
20	20	39	68	27	54	6.4	4.7	8.6	50	9.5	314	248
21	19	33	50	25	39	6.2	4.4	7.6	25	10	410	191
22	18	29	38	23	33	8.0	4.2	11	14	16	268	288
23	17	37	33	21	27	*8.4	4.1	16	9.5	23	172	418
24	16	37	29	79	24	8.4	4.0	15	7.3	33	155	236
25	16	35	28	134	21	12	3.8	9.5	7.6	48	121	151
26	15	30	26	111	19	14	3.5	6.8	8.4	29	139	121
27	15	26	24	85	18	14	3.6	5.8	6.8	18	201	112
28	14	24	23	63	17	15	3.5	5.8	24	20	254	82
29	14	21	*22	48	44	44	3.5	9.4	11	52	179	60
30	80	20	21	39	41	41	3.5	12	9.8	188	136	46
31	61	-----	19	34	-----	29	-----	15	-----	214	229	-----
Total	1,483	1,283	907	1,017	893	387.6	367.8	215.2	324.1	1,220.8	7,066	6,918
Mean	47.8	42.8	29.3	32.8	31.9	12.5	12.3	6.94	10.8	39.4	228	231
Cfsm	0.531	0.476	0.326	0.364	0.354	0.139	0.137	0.077	0.120	0.438	2.53	2.57
In.	0.61	0.53	0.37	0.42	0.37	0.16	0.15	0.09	0.13	0.50	2.92	2.86

Calendar year 1954: Max 868 Min 7.5 Mean 61.6 Cfsm 0.684 In. 9.29
Water year 1954-55: Max 747 Min 3.4 Mean 60.5 Cfsm 0.672 In. 9.11

Peak discharge (base, 1,100 cfs).--No peak above base.

* Discharge measurement made on this day.

LITTLE MANATEE RIVER BASIN

Little Manatee River near Wimauma, Fla.

Location--Lat 27°40'15", long 82°21'10", in NE $\frac{1}{4}$ sec. 25, T. 32 S., R. 19 E., on left bank 25 ft downstream from bridge on U. S. Highway 301, $1\frac{1}{2}$ miles upstream from Cypress Creek, and 4 miles southwest of Wimauma.

Drainage area--145 sq mi, approximately.

Records available--March 1939 to September 1955.

Gage--Water-stage recorder. Datum of gage is 2.17 ft above mean sea level, datum of 1929.

Average discharge--16 years, 182 cfs.

Extremes--Maximum discharge during year, 2,010 cfs Aug. 4 (gage height, 8.98 ft); minimum daily, 4.5 cfs May 13; minimum gage height, -0.20 ft June 10.
1939-55: Maximum discharge, 9,450 cfs June 24, 1945 (gage height, 14.44 ft); minimum, 1.2 cfs June 6, 7, 1945 (gage height, -0.45 ft).

Remarks--Records fair.

Revisions (water years)--WSP 1032: 1939(M). WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 8-10)

Oct. 1-4

Oct. 5 to Sept. 30

1.9	174	-0.2	2.3	2.0	190
3.4	357	-1	5.1	4.0	496
		0	8.8	6.0	876
		.2	20	8.0	1,520
		1.0	78	9.0	2,020

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	353	81	48	46	58	27	41	7.2	8.8	510	269	373
2	269	66	46	44	53	26	37	6.8	8.4	550	525	718
3	221	56	45	42	49	25	54	*6.8	7.6	434	1,380	1,250
4	180	51	43	40	46	24	82	6.8	7.2	276	*1,880	982
5	*148	47	41	40	43	23	47	6.8	7.2	166	1,060	655
6	149	46	64	39	41	23	37	6.8	6.4	121	617	389
7	274	43	93	38	40	22	31	6.4	6.4	88	1,140	269
8	154	41	75	38	*43	21	27	6.0	6.0	206	1,440	*467
9	117	39	65	37	46	21	23	5.7	5.7	424	1,050	389
10	100	38	61	37	43	21	21	5.4	5.4	278	1,240	715
11	86	36	56	37	42	20	19	5.1	6.8	237	1,110	494
12	76	35	52	36	46	20	18	4.8	9.2	203	738	282
13	70	38	50	36	46	18	17	4.5	8.8	167	407	193
14	64	160	61	35	43	18	17	7.6	9.7	143	272	140
15	61	285	69	34	40	18	21	8.8	*8.4	103	260	106
16	56	*206	63	33	38	17	25	7.6	9.2	338	272	85
17	51	175	58	40	38	17	21	9.2	17	443	207	72
18	48	143	84	54	38	15	18	12	25	196	180	63
19	48	118	135	58	39	15	15	21	33	116	401	64
20	43	103	105	55	38	15	14	27	49	78	1,060	83
21	42	89	90	49	38	14	13	27	44	61	1,040	181
22	40	78	79	46	36	*14	12	21	33	56	825	465
23	38	76	72	43	34	14	11	19	27	54	545	1,130
24	37	82	66	76	32	19	11	19	30	54	383	688
25	36	76	62	158	31	40	10	15	31	49	282	352
26	35	68	59	139	29	50	9.2	13	27	50	227	284
27	34	64	56	121	29	41	8.8	12	22	120	310	225
28	34	58	*54	100	28	36	8.0	11	21	206	335	157
29	34	54	51	82	-	44	8.0	11	31	135	244	118
30	70	51	49	72	-----	58	8.0	10	275	263	177	93
31	100	-----	47	63	-----	49	-----	9.2	-----	308	284	-----
Total	3,066	2,504	1,999	1,768	1,127	785	664.0	339.5	786.2	6,433	20,160	11,482
Mean	98.9	83.5	64.5	57.0	40.2	25.3	22.1	11.0	26.2	208	650	583
Cfsm	0.682	0.576	0.445	0.393	0.277	0.174	0.152	0.076	0.181	1.43	4.48	2.64
In.	0.79	0.64	0.51	0.45	0.29	0.20	0.17	0.09	0.20	1.65	5.17	2.94

Calendar year 1954: Max 1,910 Min 6.7 Mean 157 Cfsm 1.08 In. 14.69
Water year 1954-55: Max 1,880 Min 4.5 Mean 140 Cfsm 0.966 In. 13.10

Peak discharge (base, 1,400 cfs)--Aug. 4 (8 a.m.) 2,010 cfs (8.98 ft); Aug. 8 (7 a.m.) 1,520 cfs (8.00 ft); Aug. 20 (12:30 a.m.) 1,500 cfs (7.96 ft).

* Discharge measurement made on this day.

North Prong Alafia River at Keyville, Fla.

Location.--Lat 27°53', long 82°06', in sec. 10, T. 30 S., R. 22 E., near center of span at downstream side of bridge, 0.8 mile northwest of Keyville and 3 miles upstream from confluence with South Prong Alafia River.

Drainage area.--175 sq mi, approximately.

Records available.--May 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 38.56 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 140 cfs.

Extremes.--Maximum discharge during year, 885 cfs July 1 (gage height, 9.58 ft); minimum, 12 cfs June 11 (gage height, 1.30 ft).
1950-55: Maximum discharge, 3,890 cfs Sept. 7, 1950; maximum gage height, 12.78 ft Sept. 7, 1950, Nov. 25, 1953; minimum discharge, 3.6 cfs May 17, 1952; minimum gage height, 1.18 ft June 1, 2, 1953.

Remarks.--Records good.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 16

Nov. 17 to Sept. 30

2.0	42	1.3	12	7.0	362
3.0	98	1.5	18	8.0	484
5.0	218	2.0	40	9.0	670
7.0	362	3.0	91	10.0	1,120
		5.0	218		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	276	107	69	70	75	47	81	24	19	707	159	291
2	181	102	67	69	72	45	77	23	18	456	200	604
3	143	95	67	68	70	44	117	*23	17	296	286	520
4	*128	85	66	65	69	43	124	23	15	216	*327	679
5	120	77	62	62	67	43	90	23	14	155	276	565
6	108	71	72	62	62	42	70	24	14	124	203	361
7	136	65	90	62	62	41	60	22	14	110	162	257
8	196	62	80	61	*69	39	52	21	14	149	187	*380
9	161	75	72	60	71	37	47	21	13	206	151	825
10	134	84	71	59	64	37	42	23	13	174	107	700
11	116	83	68	61	84	36	39	35	14	137	88	602
12	106	83	66	59	162	37	37	37	32	157	71	438
13	95	72	67	58	177	38	37	35	34	114	61	300
14	87	150	95	56	120	34	36	32	*27	96	58	238
15	82	*282	100	54	89	34	43	27	24	69	68	191
16	75	301	87	54	79	32	53	24	24	58	112	154
17	66	241	79	79	72	31	52	35	36	121	88	129
18	61	183	90	99	71	31	46	36	81	225	67	120
19	57	147	116	97	70	31	41	34	94	294	54	123
20	54	136	106	95	70	31	38	34	69	223	161	176
21	52	130	95	83	62	30	36	29	74	152	570	337
22	51	112	89	74	59	*29	35	31	54	194	533	338
23	48	112	83	72	58	29	38	29	43	169	312	230
24	46	127	79	126	55	39	35	27	58	162	226	186
25	45	118	76	223	52	111	32	28	134	188	158	149
26	46	103	75	241	51	106	30	28	185	152	158	122
27	45	93	75	181	51	102	29	25	158	161	151	106
28	43	84	*73	133	49	92	27	23	138	146	123	96
29	42	79	71	113	-	109	27	21	159	103	100	82
30	117	73	70	98	-----	124	25	21	402	87	86	74
31	128	-----	71	83	-----	100	-----	19	-----	99	97	-----
Total	3,045	3,532	2,447	2,777	2,112	1,624	1,496	837	2,021	5,700	5,420	9,373
Mean	98.2	116	75.9	89.6	75.4	52.4	49.9	27.0	67.4	184	175	312
Cfs/m	0.561	0.674	0.451	0.512	0.431	0.299	0.285	0.154	0.385	1.05	1.00	1.78
In.	0.65	0.75	0.52	0.59	0.45	0.35	0.32	0.18	0.43	1.21	1.15	1.99

Calendar year 1954: Max 2,380 Min 30 Mean 143 Cfs/m 0.817 In. 11.07
Water year 1954-55: Max 825 Min 13 Mean 111 Cfs/m 0.634 In. 8.59

Peak discharge (base, 600 cfs).--July 1 (1:30 a.m.) 885 cfs (9.58 ft); Aug. 21 (7:30 p.m.) 641 cfs (8.89 ft); Sept. 4 (2:30 p.m.) 774 cfs (9.31 ft); Sept. 9 (5 p.m.) 868 cfs (9.54 ft).

* Discharge measurement made on this day.

ALAFIA RIVER BASIN

Alafia River at Lithia, Fla.

Location.--Lat 27°52', long 82°12', in sec. 16, T. 30 S., R. 21 E., on left bank 11 ft downstream from Marvinia Bridge, 1 mile northwest of Lithia, and 1½ miles downstream from Little Alafia River.

Drainage area.--335 sq mi, approximately.

Records available.--January 1933 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 9.86 ft above mean sea level, datum of 1929. Prior to Aug. 8, 1939, staff gage at site 250 ft upstream at same datum.

Average discharge.--22 years, 346 cfs.

Extremes.--Maximum discharge during year, 1,300 cfs Sept. 20 (gage height, 7.18 ft); minimum, 29 cfs June 9, 10 (gage height, -0.55 ft).

1933-55: Maximum discharge, 19,300 cfs Sept. 7, 1933 (gage height, 25.6 ft, from floodmarks), from rating curve extended above 10,000 cfs; minimum, 6.6 cfs June 5, 6, 1945 (gage height, -0.91 ft).

Remarks.--Records fair.

Revisions (water years).--WSP 782: 1933(m). WSP 1234: Drainage area. WSP 1274: 1933-35, 1939, 1945, 1947-50.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	886	255	168	151	192	126	199	45	38	780	320	484
2	608	247	158	150	183	119	187	42	37	1,020	614	664
3	490	242	150	146	170	114	264	41	35	918	988	832
4	415	229	145	136	155	108	293	40	33	710	*716	872
5	*361	214	134	131	140	101	244	41	32	460	616	856
6	321	200	151	128	131	96	201	40	30	305	557	632
7	332	187	195	129	126	95	181	39	30	240	398	438
8	374	173	186	128	*141	90	165	36	30	277	376	*714
9	352	169	175	124	146	77	148	35	30	438	350	1,080
10	307	176	162	128	143	72	135	33	30	376	316	1,170
11	274	175	150	126	191	71	130	47	32	299	266	1,020
12	249	175	143	128	370	69	121	53	40	365	248	866
13	230	168	145	122	359	71	118	49	54	250	216	646
14	216	447	187	117	294	69	115	49	*46	186	180	464
15	203	752	216	111	227	63	119	45	40	141	154	354
16	185	*636	194	111	203	63	129	43	41	107	271	279
17	170	598	175	158	192	58	129	49	57	156	234	226
18	159	532	194	215	184	59	121	57	154	362	161	204
19	145	471	261	210	184	59	111	53	159	368	129	416
20	135	444	257	211	183	59	100	54	147	326	206	701
21	125	406	233	187	170	59	95	52	123	239	554	948
22	119	364	220	173	160	*59	90	51	93	356	804	718
23	113	339	210	170	156	51	90	52	71	260	726	567
24	109	341	199	296	151	77	88	49	101	209	489	507
25	106	315	191	494	145	232	78	51	180	249	359	418
26	106	280	184	466	138	244	70	58	218	242	342	340
27	105	247	181	401	136	227	65	53	180	231	362	290
28	100	225	*165	319	134	207	57	47	154	291	300	259
29	100	207	156	278	-	225	53	44	189	262	250	230
30	247	186	151	245	-----	257	49	44	449	284	204	200
31	300	-----	150	216	-----	232	-----	41	-----	291	186	-----
Total	7,942	9,400	5,586	6,105	5,104	3,509	3,945	1,431	2,853	10,998	11,892	17,365
Mean	256	313	180	197	162	113	132	46.2	95.1	355	384	579
Cfs/m	0.764	0.934	0.537	0.588	0.543	0.337	0.394	0.138	0.284	1.06	1.15	1.73
In.	0.88	1.04	0.62	0.68	0.57	0.39	0.44	0.16	0.32	1.22	1.32	1.93

Calendar year 1954: Max 3,490

Water year 1954-55: Max 1,170

Min 79

Min 30

Mean 353

Mean 236

Cfs/m 1.05

Cfs/m 0.704

In. 14.28

In. 9.57

Peak discharge (base, 1,700 cfs).--No peak above base.

* Discharge measurement made on this day.

Crystal Springs near Zephyrhills, Fla.

Location.--Lat 28°11', long 82°11', in sec. 35, T. 26 S., R. 21 E., at left bank of Hillsborough River, a quarter of a mile downstream from Crystal Springs, 1½ miles west of village of Crystal Springs, and ¾ miles south of Zephyrhills.

Records available.--October 1934 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 34.67 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1934-55: Maximum discharge measured, 147 cfs July 19, 1941; minimum measured, 20.3 cfs July 1, 1946.

Remarks.--Discharge measurement either of Crystal Springs or of Hillsborough River made both above and below Crystal Springs to obtain discharge of the springs, which is the difference between that of the river at each of the two points. Flow regulated occasionally at springs outlet for recreational purposes.

Revisions (water years).--WSP 1052: 1935, 1937-42, 1944-45.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Date	Hillsborough River		Difference or spring flow
	Below springs	Above springs	
Oct. 11.....	77.3	-	-
Nov. 15.....	80.2	16.0	64.2
Jan. 3.....	69.6	11.0	58.6
Feb. 24.....	68.0	14.5	53.5
Mar. 28.....	65.5	10.5	55.0
May 9.....	56.2	5.99	50.2
June 20.....	55.9	7.46	48.4

Blackwater Creek near Knights, Fla.

Location.--Lat 28°08'25", long 82°09'00", in sec. 18, T. 27 S., R. 22 E., on downstream side of center pier of bridge on State Highway 39, 2.0 miles downstream from Itchepackesassa Creek and 4.4 miles northwest of Knights.

Drainage area.--110 sq mi, approximately.

Records available.--January 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 70.56 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 726 cfs Aug. 6 (gage height, 6.29 ft); minimum daily, 3.2 cfs June 8.

1951-55: Maximum discharge, 1,800 cfs Sept. 27, 1953 (gage height, 8.13 ft); minimum, 0.7 cfs May 23, 1952.

Remarks.--Records good. Several diversions above station for irrigation.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47	12	19	21	28	24	20	9.1	7.4	8.0	130	116
2	42	12	20	*21	26	23	23	6.2	7.2	8.0	295	191
3	59	11	20	20	23	22	29	6.8	7.0	7.0	336	235
4	35	11	19	17	21	22	27	6.0	7.0	6.3	*214	328
5	30	11	19	15	20	20	26	7.2	6.8	6.1	214	287
6	26	10	18	16	18	20	18	5.3	4.8	5.6	597	202
7	28	10	17	18	18	20	19	6.5	4.1	5.3	318	167
8	28	9.8	10	17	21	10	19	7.4	3.2	7.0	247	203
9	28	6.6	16	18	20	15	18	*5.6	5.7	20	203	230
10	26	8.6	19	17	21	16	17	4.1	3.7	15	170	343
11	*23	8.9	18	18	99	13	17	4.5	5.0	10	113	259
12	22	9.5	18	15	178	16	13	5.4	6.3	12	81	*206
13	20	9.5	19	14	158	15	15	4.5	6.1	13	61	162
14	17	60	24	12	106	15	13	5.6	3.8	10	87	119
15	13	*78	30	16	85	9.9	18	6.7	4.6	9.5	240	90
16	14	66	30	17	72	8.7	18	4.5	5.4	8.9	180	71
17	13	59	28	22	63	12	17	5.4	5.9	11	110	58
18	9.5	50	34	23	58	11	17	5.9	6.7	29	78	51
19	11	42	25	25	51	13	16	7.2	6.7	16	121	45
20	6.3	36	33	25	47	13	11	7.2	*4.7	15	277	66
21	7.1	30	27	24	41	9.4	14	7.4	3.7	40	203	101
22	9.5	27	28	24	33	10	14	7.8	3.3	51	194	129
23	6.1	34	27	23	33	7.8	11	8.0	8.0	44	189	310
24	7.6	37	26	42	*33	15	13	7.0	9.8	84	159	186
25	4.5	36	24	74	31	22	9.0	36	7.4	108	132	120
26	4.0	33	21	71	29	26	9.0	31	7.4	74	124	90
27	6.7	28	19	61	27	23	9.8	11	6.8	70	121	74
28	7.8	27	19	55	26	*22	7.7	9.3	7.4	152	104	60
29	8.6	25	21	47	-	26	8.4	8.9	7.8	105	83	50
30	11	22	22	40	-----	25	7.4	8.2	7.0	138	69	42
31	11	-----	18	33	-----	24	-----	8.0	-----	91	80	-----
Total	561.7	819.9	700	861	1,365	528.8	474.3	263.7	180.7	1,179.7	5,528	4,591
Mean	18.1	27.3	22.6	27.8	44.8	17.1	15.8	8.51	5.81	38.1	178	153
Cfsm	0.165	0.248	0.205	0.253	0.444	0.155	0.144	0.077	0.055	0.346	1.62	1.39
In.	0.19	0.28	0.24	0.29	0.46	0.18	0.16	0.09	0.06	0.40	1.87	1.55

Calendar year 1954: Max 958 Min 4.0 Mean 62.0 Cfsm 0.564 In. 7.66
Water year 1954-55: Max 597 Min 3.2 Mean 46.7 Cfsm 0.425 In. 5.77

Peak discharge (base, 1,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Hillsborough River near Zephyrhills, Fla.

Location--Lat 28°09', long 82°14', in sec. 8, T. 27 S., R. 21 E., on left bank 10 ft downstream from footbridge in Hillsborough River State Park, 2 miles downstream from Blackwater Creek, and 7 miles southwest of Zephyrhills.

Drainage area--220 sq mi, approximately.

Records available--November 1939 to September 1955.

Gage--Staff gage read once daily. Datum of gage is 33.28 ft above mean sea level (Corps of Engineers benchmark).

Average discharge--16 years, 278 cfs.

Extremes--Maximum discharge during year, 1,240 cfs Sept. 10 (gage height, 6.93 ft); minimum observed, 60 cfs June 7, 9 (gage height, 0.80 ft).
1939-55: Maximum discharge observed, 5,920 cfs Sept. 19, 1947; maximum gage height, 13.80 ft Sept. 7, 1950; minimum discharge observed, 48 cfs June 11-17, 1945; minimum gage height observed, 0.78 ft June 3-6, 1944, June 11-17, 1945.

Remarks--Records good.

Cooperation--Gage readings furnished by superintendent of Hillsborough River State Park.

Revisions--WSP 1234: Drainage area.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)

0.8	60
2.0	215
4.0	580
7.0	1,280

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	137	85	98	98	119	103	*93	67	75	77	236	359
2	130	85	101	98	116	95	95	70	72	88	513	521
3	129	82	98	98	114	95	98	82	71	82	758	509
4	126	85	98	*95	108	95	101	65	70	76	822	574
5	124	85	98	90	108	93	98	65	68	72	576	594
6	111	85	98	90	106	94	90	70	67	80	771	620
7	114	82	93	92	103	93	90	67	60	70	707	699
8	116	82	90	90	119	88	88	70	82	72	*556	949
9	116	82	80	90	121	82	85	*68	60	93	486	1,060
10	114	77	95	90	118	85	82	65	67	94	468	1,180
11	*107	80	95	90	142	85	82	65	65	85	416	1,070
12	103	82	93	90	287	85	82	67	72	85	380	*947
13	101	82	93	85	250	84	80	70	70	88	343	929
14	98	101	108	82	215	82	80	70	67	94	307	788
15	98	166	116	82	189	80	86	70	62	88	428	661
16	93	155	116	85	171	72	86	70	65	88	588	568
17	90	153	111	98	180	73	84	67	67	85	401	482
18	90	*145	121	103	153	80	82	67	72	111	328	420
19	85	134	127	116	145	78	80	82	78	103	334	359
20	85	127	121	111	140	77	72	98	70	93	530	335
21	77	119	114	106	132	74	72	82	65	111	497	359
22	80	114	108	106	121	70	77	86	65	137	447	428
23	80	121	108	103	116	72	77	80	*72	125	409	612
24	77	127	108	132	*114	80	75	77	80	179	367	458
25	80	124	106	185	111	88	72	76	75	222	352	330
26	75	119	101	176	108	93	70	119	75	177	378	274
27	75	114	98	163	106	93	70	98	70	150	401	235
28	80	111	95	153	103	93	70	85	75	263	371	205
29	80	108	95	140	-	98	67	85	72	265	316	186
30	95	103	98	129	-	95	67	80	76	291	280	166
31	88	-	98	121	-	95	-	75	-	267	277	-
Total	3,054	3,215	3,179	3,387	3,895	2,670	2,451	2,338	2,085	3,911	13,823	16,877
Mean	98.5	107	103	109	139	86.1	81.7	75.4	69.5	126	446	563
Cfs/m	0.448	0.486	0.468	0.495	0.632	0.391	0.371	0.343	0.316	0.573	2.03	2.56
In.	0.52	0.54	0.54	0.57	0.68	0.45	0.41	0.40	0.35	0.66	2.34	2.85

Calendar year 1954: Max 1,850 Min 75 Mean 193 Cfs/m 0.877 In. 11.92
Water year 1954-55: Max 1,180 Min 60 Mean 167 Cfs/m 0.759 In. 10.29

Peak discharge (base, 1,500 cfs).--No peak above base.

* Discharge measurement made on this day.

Hillsborough River near Tampa, Fla.

Location.--Lat 28°01'25", long 82°25'40", in sec. 29, T. 28 S., R. 19 E., on left bank just upstream from spillway of Tampa reservoir dam, at Thirtieth Street, 5½ miles northeast of Tampa.

Drainage area.--650 sq mi, approximately.

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (city of Tampa benchmark). Prior to Oct. 1, 1945, at site 1.4 miles upstream at datum 0.66 ft higher.

Average discharge.--17 years, 607 cfs (adjusted for diversion).

Extremes.--Maximum daily discharge during year, 1,980 cfs Sept. 15; maximum gage height, 21.64 ft July 29; minimum daily discharge, 30 cfs May 14-17; minimum gage height, 18.13 ft May 15.

1938-55: Maximum discharge, 9,690 cfs July 28-30, 1945; maximum gage height, 22.76 ft Sept. 10, 1950; no flow Nov. 30 to Dec. 2, 1945.

Maximum stage known, 25.6 ft, at former site and datum, Sept. 7, 1933, from flood-marks, affected by backwater prior to failure of Tampa power dam, 1.4 miles below former gage. A discharge of 16,500 cfs was measured Sept. 9, 1933.

Remarks.--Records fair. Flow regulated by Tampa reservoir dam since Oct. 1, 1945. Capacity of reservoir insufficient to affect monthly figures of runoff. Diversion at point 1¼ miles above station for water supply by city of Tampa as shown in monthly table.

Revisions.--WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	701	36	157	155	188	108	*86	34	34	50	696	394
2	815	81	109	135	188	110	88	70	34	33	758	559
3	551	42	113	118	239	109	96	33	34	33	791	746
4	541	249	116	*97	168	104	133	32	32	34	1,320	664
5	369	35	114	93	148	100	84	32	33	92	1,240	938
6	567	39	151	99	148	98	82	32	33	34	1,340	1,050
7	329	83	102	102	178	132	80	32	32	34	1,380	801
8	328	123	104	103	134	79	78	32	32	35	1,330	638
9	329	40	103	103	140	78	74	32	32	55	1,330	1,050
10	330	44	99	102	152	75	70	31	32	77	1,240	1,490
11	329	289	96	137	175	70	130	*31	32	37	*1,060	1,280
12	376	35	93	88	210	68	55	31	32	40	1,090	1,730
13	*42	38	134	87	221	65	55	31	32	68	1,000	1,870
14	397	289	94	88	268	104	54	30	32	192	820	*1,820
15	40	75	102	86	237	56	57	30	32	44	639	1,380
16	383	*40	165	84	266	56	58	30	32	73	632	1,580
17	38	295	131	135	*569	55	57	30	32	94	584	1,500
18	336	58	97	129	118	54	116	31	32	144	359	1,500
19	37	49	109	90	218	52	46	31	32	144	719	950
20	46	72	116	98	608	50	44	32	32	284	543	1,190
21	266	96	123	103	532	49	42	32	32	464	439	1,140
22	40	107	130	105	173	88	41	32	32	221	682	1,000
23	231	207	136	109	293	44	40	32	32	401	400	1,080
24	73	104	140	147	42	46	38	32	*44	416	171	788
25	79	130	260	140	65	54	77	32	43	399	399	1,180
26	40	122	107	185	109	64	35	32	32	551	704	1,040
27	46	126	156	156	103	73	35	32	32	358	774	697
28	291	126	114	165	152	76	34	34	32	457	340	964
29	36	126	118	188	-	84	34	34	49	610	874	474
30	41	124	236	204	-----	86	34	34	32	558	393	677
31	292	-----	176	233	-----	87	-----	34	-----	599	754	-----
Total	8,319	3,280	4,001	3,864	6,042	2,374	1,953	1,027	1,028	6,651	24,801	32,970
Mean	268	109	129	125	216	76.6	65.1	35.1	34.3	215	800	1,099
(†)	32.6	26.2	25.2	26.3	29.0	36.2	37.6	44.1	37.7	27.3	29.3	27.5

Adjusted for diversion

	Observed						Adjusted					
	Mean	Cfsm	In.	Mean	Cfsm	In.	Mean	Cfsm	In.	Mean	Cfsm	In.
Calendar year 1954:	301	136	154	151	245	113	103	77.2	72.0	242	829	1,126
Water year 1954-55:	0.463	0.209	0.237	0.232	0.377	0.174	0.158	0.119	0.111	0.372	1.28	1.73
	0.53	0.23	0.27	0.27	0.39	0.20	0.18	0.14	0.12	0.43	1.47	1.93
	Observed						Adjusted					
Calendar year 1954:	Max	2,890	Min	28	Mean	381	Mean	411	Cfsm	0.632	In.	8.57
Water year 1954-55:	Max	1,980	Min	30	Mean	264	Mean	296	Cfsm	0.455	In.	6.16

* Discharge measurement made on this day.

† Diversion by city of Tampa, in cubic feet per second; furnished by city of Tampa Water Department.

Drainage ditch at Bearss Avenue, near Sulphur Springs, Fla.

Location.--Lat 28°05'15", long 82°27'55", in sec. 36, T. 27 S., R. 18 E., on right bank 25 ft downstream from bridge on Bearss Avenue, 0.3 mile west of U. S. Highway 541, and 4.5 miles north of Sulphur Springs Post Office.

Drainage area.--12 sq mi, approximately.

Records available.--July 1946 to September 1955.

Gage.--Staff gage read once or twice daily. Datum of gage is 30.00 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge observed during year, 23 cfs Oct. 1, 2 (gage height, 19.14 ft); no flow for many days.

1946-55: Maximum discharge observed, 107 cfs Sept. 23, 25, 1947; maximum gage height observed, 20.18 ft Sept. 29, 1946; no flow for many days in most years.

Remarks.--Records poor. Diversion channel 0.6 mile upstream from station diverts part of flow at high stages into Lake Magdalene and the Sweetwater Creek basin. Since the completion of a dam at the diversion channel on Feb. 10, 1953, the amount of flow diverted from the basin has increased.

Rating table, water year 1954-55, except period of indefinite stage-discharge relation (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 16 to Apr. 6)

16.7	0	17.6	2.0
17.0	.1	17.9	3.9
17.2	.2	18.2	6.7
17.3	.5	18.8	15
17.4	.9	19.2	25

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	3.1	3.0	1.8	3.5	0.2	0.1			0	0.1	1.2
2	23	2.8	2.8	1.6	3.5	.2				0	.1	2.1
3	22	2.6	2.8	1.5	3.4	.2	.4			0	.1	2.7
4	21	2.5	2.8	1.4	3.3	.1	.2			0	.1	3.0
5	19	2.3	2.6	1.3	3.2	.1	.2			0	.1	3.4
6	18	2.1	2.7	*1.3	3.2	.1	.2			.0	.1	4.0
7	16	2.0	2.5	1.1	3.3	.1	.2			0	.1	4.8
8	15	1.9	2.4	1.1	4.1	.1	.1			0	.1	6.5
9	13	1.9	2.4	.9	3.9	.1	.1			0	.1	9.1
10	12	1.6	2.3	.9	3.8	.1	.1			0	.1	10
11	12	1.6	2.2		4.6	.1	.1	(*)		0		11
12	11	1.5	2.1		6.3	.1	0			0	*0	12
13	10	1.4	2.2	e2	4.8	.1	0			0	0	*12
14	*9.5	2.4	2.2		4.0	.1	0			0	0	10
15	8.8	2.3	2.1		4.4	.1	0			0	0	9.9
16	8.2	2.2	2.1	2.2	3.7	.1	0			0	0	9.1
17	7.4	2.2	2.0	2.6	3.6	.1	0			0	0	8.2
18	6.6	*2.4	2.5	2.8	3.6	.1	0			0	0	7.5
19	6.0	2.4	2.3	3	3.5	.1	0			0	0	7.2
20	5.5	2.5	2.2	2.8	3.5	.1	0			0	.1	7.2
21	5.2	2.4	2.2	2.6	*3.2	.1	0			0	.1	7.4
22	4.8	2.5	2.2	2.5	3.1	.1	0			0	.1	7.3
23	4.5	3.0	2.1	2.6	3.0	.1	0			0	.1	7.1
24	4.2	2.8	2.1	3.3	1.9	.1	0		(*)	0	.1	7.4
25	3.9	3.0	2.1	3.5	.4	.2	0			0	.1	6.5
26	3.8	3.0	2.0	3.3	.2	.2	0			0	.2	6.6
27	3.5	3.0	2.0	3.4	.2	.2	0			0	.2	6.2
28	3.3	3.0	2.0	3.6	.2	.2	0			0	.2	5.3
29	3.0	3.0	2.0	3.6		*.2	0			0	.2	4.7
30	3.6	3.0	1.9	3.6		.2	0			.1	.2	4.2
31	3.2		1.9	3.6		.1				0	1.0	
Total	310.0	72.4	70.7	71.9	89.4	4.0	1.9		0	0	3.6	203.6
Mean	10.0	2.41	2.28	2.32	3.19	0.13	0.06		0	0	0.12	6.79
Cfsm	-	-	-	-	-	-	-		-	-	-	-
In.	-	-	-	-	-	-	-		-	-	-	-
Calendar year 1954: Max	61			Min	0.3	Mean	7.86	Cfsm	-	In.	-	
Water year 1954-55: Max	23			Min	0	Mean	2.27	Cfsm	-	In.	-	

* Discharge measurement or observation of no flow made on this day.
e Stage-discharge relation indefinite; discharge estimated on basis of engineer's notes and observer's readings and notes.

Sweetwater Creek near Sulphur Springs, Fla.

Location.--Lat 28°02'33", long 82°30'44", in sec. 16, T. 28 S., R. 18 E., on left bank near upstream side of bridge on Gunn Highway, 1 1/2 miles downstream from Lake Ellen and 4.1 miles northwest of Sulphur Springs Post Office.

Drainage area.--6.4 sq mi, approximately.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 30.68 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 10 cfs Sept. 24 (gage height, 1.85 ft); no flow for many days.

1951-55: Maximum discharge, 83 cfs Sept. 16, 1953 (gage height, 3.40 ft); no flow for many days.

Remarks.--Records poor. Some regulation by lakes above station. Since Feb. 10, 1953, considerable flow diverted at times into basin above station from Hillsborough River basin.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 12-18, Mar. 12-16)

Oct. 1 to Mar. 11

Mar. 12 to Sept. 30

0.3	0.2	0.9	1.5	0.12	0	0.9	1.3
.4	.3	1.2	3.3	.3	.1	1.3	3.7
.6	.7	1.6	7.2	.5	.2	1.6	6.6
.7	.9			.7	.6	1.8	9.4

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	g6.5	0.4	1.3	0.8	1.0	0.3	0.4			0	0.2	0.2
2	g5.2	.4	1.2	.8	.8	.3	.6			0	.2	1.7
3	g4.4	.4	1.1	.7	.8	.3	1.1			0	.2	1.1
4	g4.1	.3	1.0	.7	.7	.3	.9			0	.2	.9
5	g3.4	.4	.9	.7	.6	.3	.8			0	.2	1.6
6	g3.1	.4	1.0	.7	.6	.3	.6			0	.2	2.1
7	g2.3	.3	.9	.7	.5	.2	.6			0	.2	2.4
8	g1.8	.3	.8	.7	.7	.2	.5			0	.2	3.1
9	g1.5	.3	.8	.7	.8	.2	.4			0	*.2	5.9
10	1.2	.3	.7	.7	.7	.2	.3	(*)		0	.2	6.1
11	g1.0	.2	.7	.7	2.8	.2	.2			0	.1	6.1
12	.7	.3	.6	.7	3.4	.2	.2			0	.1	5.4
13	.6	.3	.8	.6	2.7	.2	.2			0	.1	*6.3
14	.5	1.5	1.2	.5	2.1	.2	.2			0	.2	5.3
15	*.4	1.7	1.2	.5	1.9	.2	.3			0	.2	4.3
16	.4	*1.5	1.2	.5	1.7	.2	.2			0	.1	3.4
17	.4	2.0	1.1	.9	1.5	.1	.2			.2	.1	2.8
18	.3	2.2	1.8	.8	1.4	.1	.2			.1	.1	2.5
19	.3	1.9	2.0	.9	1.2	.1	.2			.1	.1	2.1
20	.3	2.0	1.8	.7	1.0	.1	.2			0	.2	2.8
21	.3	1.9	1.6	.7	.8	.1	.2		(*)	.1	.2	4.3
22	.3	1.7	1.5	.6	.7	.1	.2			.1	.1	3.4
23	.3	2.7	1.4	.6	*.6	.1	.1			0	.1	3.6
24	.3	2.5	1.4	1.5	.5	.4	.1			.1	.1	8.3
25	.3	2.3	1.3	1.8	.5	.5	.1			0	.1	6.6
26	.3	1.9	1.3	1.6	.4	.4	.1			0	.1	7.4
27	.3	1.7	1.2	1.5	.4	.4	.1			0	.1	5.5
28	.3	1.6	1.2	1.5	.3	.4	.1			.2	.1	4.2
29	.3	1.5	1.0	1.4	-	*.7	.1			.2	.1	3.4
30	.7	1.4	1.0	1.2	-----	.6	0			.2	.1	2.6
31	.5	-----	1.0	1.1	-----	.5	-----			.2	.2	-----
Total	42.3	36.3	36.0	27.5	31.1	8.4	9.4	0	0	1.5	4.6	115.4
Mean	1.36	1.21	1.16	0.89	1.11	0.27	0.31	0	0	0.05	0.15	3.85
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	13			Min	0	Mean	1.55	Cfsm	-	In.	-	
Water year 1954-55: Max	8.3			Min	0	Mean	0.86	Cfsm	-	In.	-	

* Discharge measurement or observation of no flow made on this day.

g Computed from once-daily staff-gage readings.

Rocky Creek near Sulphur Springs, Fla.

Location.--Lat 28°02'23", long 82°34'31", in N $\frac{1}{2}$ sec. 23, T. 28 S., R. 17 E., on left bank 100 ft upstream from Seaboard Railway Bridge, 2.5 miles downstream from Brushy Creek, and 7.7 miles northwest of Sulphur Springs Post Office.

Drainage area.--35 sq mi, approximately.

Records available.--January 1953 to September 1955.

Gage.--Water-stage recorder and wooden control. Datum of gage is 0.15 ft below mean sea level, datum of 1929.

Extremes.--Maximum daily discharge during year, 142 cfs Oct. 1; maximum gage height, 5.43 ft Oct. 1 (tide effect); minimum daily discharge, 0.4 cfs May 12-16, June 9, 10; minimum gage height, 3.13 ft June 8, 9, 10, 25.
1953-55: Maximum discharge, 697 cfs Sept. 27, 1953 (gage height, 12.00 ft), from rating curve extended above 400 cfs; minimum daily, that of May 12-16, June 9, 10, 1955; minimum gage height, that of June 8, 9, 10, 25, 1955.

Remarks.--Records poor.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	142	11	12	7.5	11	8.5	6.5	0.9	0.6	0.9	7.5	19
2	126	10	11	7.2	10	8.2	5.7	.9	.5	1.2	9.5	128
3	112	9.5	11	7.2	9.8	7.8	10	.9	.6	1.1	7.5	131
4	99	8.8	10	*6.8	9.8	7.5	11	.7	.8	.9	5.7	106
5	87	8.5	9.8	6.5	9.2	7.2	8.8	.8	.5	.8	5.0	69
6	77	8.5	10	6.5	8.8	6.8	7.2	.8	.5	.7	4.5	51
7	71	8.2	10	6.1	9.2	6.5	5.7	.7	.5	.7	3.9	47
8	62	7.8	10	6.1	18	6.1	4.8	.7	.5	.9	4.8	64
9	56	7.5	9.8	5.7	20	5.7	4.2	.7	.4	1.0	8.1	93
10	49	7.2	9.2	5.7	20	5.4	3.9	.6	.4	1.1	6.1	115
11	43	7.2	8.8	5.7	26	5.0	3.6	*.6	.6	.9	4.8	106
12	*38	8.2	8.5	5.7	40	4.8	3.1	.4	.6	.9	4.2	99
13	34	7.8	8.8	5.4	35	4.8	2.8	.4	.6	.7	*5.7	87
14	30	17	11	5.4	27	4.5	2.8	.4	.6	.7	9.2	103
15	26	50	12	5.0	22	4.2	2.8	.4	.6	.8	12	86
16	23	*36	12	4.8	20	3.9	2.5	.4	.7	.8	12	68
17	20	29	10	7.6	18	3.4	2.8	.5	.8	.9	11	*54
18	18	30	10	11	17	3.4	2.5	.5	.7	2.0	9.8	47
19	17	28	12	12	16	3.4	2.2	.6	.7	3.4	8.8	42
20	15	26	12	12	15	2.8	2.2	.6	.6	2.5	10	35
21	14	22	11	11	14	2.8	1.8	.6	.6	2.2	11	36
22	13	20	9.8	10	*12	2.8	1.6	.5	.6	2.0	10	31
23	12	23	9.2	9.5	12	2.5	1.6	.6	.6	2.2	9.2	27
24	11	26	8.8	13	12	2.8	1.8	.7	*.5	2.2	8.2	28
25	10	25	8.8	29	11	5.0	1.4	.8	.5	2.0	7.8	26
26	9.8	20	8.8	31	10	7.5	1.4	.8	.5	1.6	7.5	27
27	9.8	17	8.8	22	9.5	7.5	1.2	.7	.6	1.4	7.2	26
28	9.5	14	8.5	17	9.2	7.2	1.1	.6	.6	1.2	6.5	24
29	9.2	13	8.2	14	-	8.2	1.0	.6	.6	4.1	6.1	22
30	11	13	7.8	13	-----	8.8	1.0	.6	.7	9.2	6.1	19
31	11	-----	7.5	11	-----	*7.8	-----	.6	-----	6.8	8.2	-----
Total	1,265.3	519.2	305.1	320.6	451.5	172.8	109.0	19.6	17.4	57.8	235.9	1,816
Mean	40.8	17.3	9.84	10.3	16.1	5.57	3.63	0.63	0.58	1.86	7.61	60.5
Cfsm	1.17	0.494	0.281	0.294	0.460	0.159	0.104	0.018	0.017	0.053	0.217	1.73
In.	1.34	0.55	0.32	0.34	0.48	0.18	0.12	0.02	0.02	0.06	0.25	1.93

Calendar year 1954: Max 453 Min 3.6 Mean 31.0 Cfsm 0.886 In. 12.02
Water year 1954-55: Max 142 Min 0.4 Mean 14.5 Cfsm 0.414 In. 5.61

Peak discharge (base, 500 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--Tide effect for portion of each day Oct. 1-6, Sept. 1-16; discharge computed on basis of effective gage heights.

Alligator Creek at Safety Harbor, Fla.

Location.--Lat 27°58'40", long 82°41'45", in sec. 9, T. 29 S., R. 16 E., on right upstream wing wall of concrete control, 190 ft upstream from bridge on highway between Safety Harbor and State Highway 60 and 0.8 mile southwest of Safety Harbor.

Drainage area.--9.0 sq mi, approximately.

Records available.--October 1949 to September 1955.

Gage.--Water-stage recorder and concrete control. Datum of gage is 0.85 ft below mean sea level, datum of 1929.

Average discharge.--6 years, 6.26 cfs.

Extremes.--Maximum discharge during year, 87 cfs Sept. 11 (gage height, 7.31 ft); no flow for many days.

1949-55: Maximum discharge, 490 cfs Sept. 6, 1950 (gage height, 9.00 ft); no flow for many days in most years.

Remarks.--Records poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-14

Oct. 15 to Sept. 30

6.3	0.5	6.25	0	6.7	18
6.4	2.7	6.3	.5	6.8	25
6.5	6.2	6.4	2.7	7.0	45
6.6	11	6.5	7.3	7.3	85
		6.6	12		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	0.4	1.7	1.2	2.7	1.7	1.4			0.3	2.7	32
2	7.9	.3	1.4	1.0	2.2	1.7	1.9			.4	2.4	45
3	5.8	.3	1.4	.8	1.9	1.7	2.7			.5	2.4	53
4	4.3	.3	1.2	.8	1.9	1.4	2.4			.6	2.7	69
5	5.6	.5	1.0	.6	1.7	1.4	2.2			.5	3.6	61
6	3.0	.5	1.7	.8	1.4	1.2	1.7			.6	4.8	41
7	2.7	.4	1.7	*.6	1.7	1.2	1.4			1.0	5.8	28
8	2.7	.4	1.7	.6	2.7	.8	1.2			1.0	14	18
9	2.4	.3	1.9	.6	2.2	.5	1.0			1.9	16	16
10	2.2	.3	1.9	.6	2.4	.6	.8	(*)		2.2	*14	39
11	1.9	.4	1.9	.6	11	.6	.8			2.2	8.8	82
12	1.7	.5	1.9	.5	17	.6	.8			3.4	4.8	74
13	1.7	.5	2.4	.5	18	.5	.8			2.7	3.0	52
14	*1.7	1.7	3.0	.3	16	.6	1.0			2.4	3.8	32
15	1.4	1.9	2.7	.3	12	.4	1.7			2.7	4.3	19
16	1.2	1.9	2.7	.6	*8.3	.2	1.2			3.4	3.8	14
17	1.0	*2.7	2.7	2.4	6.8	.2	1.0			4.8	3.0	10
18	.8	2.7	3.0	2.4	*5.3	0	.8			3.4	2.7	10
19	.8	2.7	2.7	3.0	4.3	0	.5			4.3	4.2	14
20	.8	2.4	2.4	2.2	3.4	0	.5			6.3	7.8	11
21	.8	2.2	2.2	2.2	3.0	0	.5			7.3	9.3	8.8
22	.8	1.9	2.4	2.2	2.7	0	.5		(*)	6.8	12	9.8
23	.8	3.4	2.4	2.7	2.7	0	.5			5.3	15	8.3
24	.6	2.7	2.2	5.3	2.7	.3	.5			3.8	14	6.8
25	.5	2.7	1.9	6.3	2.4	1.0	.4			2.7	12	7.8
26	.4	2.7	1.7	6.3	2.2	1.4	.2			2.4	10	17
27	.4	2.7	1.7	5.8	1.9	1.2	0			1.9	12	14
28	.4	2.7	1.9	5.3	1.9	1.2	0			2.2	14	12
29	.5	2.4	1.7	4.3	-	1.7	0			3.4	12	16
30	.8	2.2	1.7	3.8	-----	*1.4	0			3.8	13	10
31	.5	-----	1.4	3.0	-----	1.4	-----			2.7	21	-----
Total	65.1	46.7	62.2	67.6	142.4	24.9	28.4	0	0	86.9	258.9	830.5
Mean	2.10	1.56	2.01	2.18	5.09	0.80	0.85	0	0	2.80	8.55	27.7
Cfsm	0.233	0.173	0.223	0.242	0.566	0.089	0.106	0	0	0.311	0.928	3.08
In.	0.27	0.19	0.26	0.28	0.59	0.10	0.12	0	0	0.36	1.07	3.43

Calendar year 1954: Max 54 Min 0 Mean 5.24 Cfsm 0.582 In. 7.92
 Water year 1954-55: Max 82 Min 0 Mean 4.42 Cfsm 0.491 In. 6.67

* Discharge measurement or observation of no flow made on this day.

Seminole Lake Outlet near Largo, Fla.

Location.--Lat 27°50'20", long 82°46'50", in sec. 27, T. 30 S., R. 15 E., on south shore of Seminole Lake, 250 ft west of highway bridge across spillway channel and 5.2 miles south of Largo.

Drainage area.--14 sq mi, approximately.

Records available.--August 1950 to September 1955.

Gage.--Water-stage recorder and concrete control. Datum of gage is at mean sea level, datum of 1929 (Pinellas County benchmark).

Average discharge.--5 years, 10.3 cfs.

Extremes.--Maximum discharge during year, 52 cfs Feb. 12 (gage height, 5.47 ft); no flow for many days.

1950-55: Maximum discharge, 539 cfs Sept. 5, 1950 (gage height, 7.44 ft), from rating curve extended above 270 cfs; no flow for many days in each year.

Remarks.--Records poor. Greater part of inflow to Seminole Lake is regulated by pumps at north dam 3.0 miles above station. Pumpage at north dam represents natural flow of tributary above dam.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 11				Nov. 12 to Sept. 30			
5.0	0			5.0	0		
5.1	3.7			5.1	4.6		
5.3	22			5.2	14		
5.4	36			5.3	28		
				5.4	41		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	0	2.6	3.9	5.4	2.1	3.2				0	7.1
2	25	0	2.6	4.6	4.6	2.1	3.9				0	9.8
3	21	0	2.1	3.9	4.6	1.6	8.0				0	19
4	19	0	1.6	3.2	5.4	1.2	7.1				0	21
5	17	0	4	2.6	2.6	1.2	6.2				0	17
6	14	0	4.3	2.1	1.2	.8	4.6				0	15
7	15	0	3.2	1.6	2.2	.8	3.9				0	11
8	22	0	1.2	1.2	8.9	.4	4.6				0	8.0
9	21	0	.8	.8	8.0	0	3.2				0	7.7
10	18	0	2.1	.2	6.2	0	1.6	(*)			0	23
11	16	0	.8	1.6	22	0	.6				0	35
12	14	0	.4	.4	41	0	.9				0	35
13	12	0	2.7	1.6	34	0	.4				0	29
14	12	.2	9.8	0	25	0	.4				0	25
15	9.0	.8	8.9	0	19	0	1.2				0	*18
16	4.3	1.2	8.0	.1	*17	0	.8				0	13
17	2.2	3.2	5.4	3.2	15	0	1.2				0	9.8
18	1.5	3.2	9.8	3.5	14	0	.8				0	8.0
19	1.1	3.2	9.8	8.9	13	0	.1				0	5.4
20	.5	3.9	8.0	5.4	8.9	0	0				0	4.6
21	0	2.1	6.2	3.2	8.0	0	0				0	3.9
22	0	1.6	6.2	3.2	6.2	0	0			(*)	0	6.2
23	0	4.6	3.9	3.2	6.2	0	0				0	8.0
24	0	6.2	3.9	15	5.4	0	0				0	12
25	0	5.4	3.9	15	4.6	0	0				0	14
26	0	4.6	3.9	14	3.2	.8	0				0	19
27	0	3.2	3.9	13	2.6	3.2	0				.4	16
28	0	2.1	3.9	12	2.1	2.6	0				1.2	14
29	.1	3.9	3.9	11	-	7.1	0				3.9	15
30	.2	3.2	3.9	8.9	-----	3.2	0				4.6	11
31	.2	-----	4.6	8.0	-----	3.2	-----				7.1	-----
Total	274.1	52.6	132.7	155.3	296.3	30.3	52.7	0	0	0	17.2	438.5
Mean	8.84	1.75	4.28	5.01	10.6	0.977	1.76	0	0	0	0.555	14.6
Cfs/m	0.631	0.125	0.306	0.358	0.757	0.070	0.126	0	0	0	0.040	1.04
In.	0.73	0.14	0.35	0.41	0.79	0.08	0.14	0	0	0	0.05	1.16

Calendar year 1954: Max 67 Min 0 Mean 7.49 Cfs/m 0.535 In. 7.27
 Water year 1954-55: Max 41 Min 0 Mean 3.97 Cfs/m 0.284 In. 3.85

* Discharge measurement or observation of no flow made on this day.

Brooker Creek near Odessa, Fla.

Location.--Lat 28°08'05", long 82°35'40", in sec. 10, T. 27 S., R. 17 E., on left bank 20 ft upstream from culvert on State Highway 232, 30 ft downstream from outlet of Key-stone Lake, and 3.2 miles south of Odessa.

Drainage area.--10 sq mi, approximately.

Records available.--April 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 30.00 ft above mean sea level, datum of 1929.

Average discharge.--9 years, 7.46 cfs.

Extremes.--Maximum discharge during year, 38 cfs Oct. 1 (gage height, 11.90 ft); no flow for many days; minimum gage height observed, 8.90 ft June 10, 18.
1946-55: Maximum discharge observed, 180 cfs Aug. 23, 1949 (gage height, 13.20 ft); no flow for many days; minimum gage height, 8.31 ft June 8, 1949.

Remarks.--Records fair above 5 cfs and poor below. Since May 1955, flow regulated by manipulation of stoplogs in culvert.

Revisions.--WSP 1204: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 16

Jan. 17 to Sept. 30

10.1	0.6	10.0	0	10.6	6.5
10.3	2.1	10.1	.6	11.0	16
10.5	4.5	10.2	1.3	11.6	34
11.0	15	10.4	3.3		
11.9	38				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	4.5	2.2	1.3	2.4	2.2	0.2			0	1.2	6.7
2	37	4.2	2.2	1.2	2.4	2.0	.3			0	1.6	9.3
3	36	3.8	2.1	1.2	2.3	2.0	.5			0	1.8	11
4	35	3.4	2.0	1.2	2.2	1.9	.5			0	2.5	14
5	33	3.3	1.9	1.1	2.1	1.8	.5			0	3.1	17
6	31	3.1	1.8	*1.0	2.1	1.8	.4			0	4.2	19
7	30	2.8	1.7	1.0	2.4	1.6	.4			0	4.9	21
8	28	2.6	1.6	1.0	3.2	1.2	.3			0	6.0	22
9	26	2.4	1.4	1.0	3.2	1.2	.2			0	*6.3	24
10	24	2.3	g1.2	1.0	3.2	1.0	.2	(*)		0	6.5	29
11	23	2.2	g1.1	1.0	3.7	1.0	.1			0	6.5	34
12	*22	2.2	g1.0	1.0	3.6	.9	0			0	6.5	34
13	20	2.2	g1.1	1.0	3.4	.8	0			0	6.5	*32
14	19	2.6	g1.1	.9	3.4	.8	0			0	7.1	32
15	18	3.0	g1.2	.9	3.3	.7	.1			0	7.1	31
16	16	*3.0	g1.1	1.0	3.3	.6	0			0	6.7	30
17	15	2.8	g1.1	1.4	3.3	.5	0			0	6.3	28
18	14	2.8	g1.6	1.6	3.3	.5	0			0	6.0	27
19	12	2.8	g1.6	1.8	3.2	.4	0			0	5.6	25
20	11	3.0	g1.6	1.7	3.2	g.3	0			0	6.7	24
21	10	2.8	1.5	1.5	3.1	g.2	0		(*)	0	7.1	22
22	9.3	2.7	1.5	g1.3	3.1	g.1	0			0	6.9	22
23	8.5	3.1	1.5	g1.6	*3.0	g.1	0			0	6.3	23
24	7.7	3.1	1.4	g2.2	2.8	g.2	0			0	6.0	21
25	7.1	3.0	1.3	2.4	2.6	g.2	0			0	5.4	21
26	6.5	2.8	1.3	2.5	2.5	.2	0			0	5.3	22
27	6.1	2.7	1.3	2.5	2.4	.2	0			0	5.3	21
28	5.6	2.6	1.3	2.6	2.3	.1	0			0	5.1	20
29	5.3	2.4	1.3	2.5	-	*.3	0			.4	4.8	19
30	5.0	2.3	1.3	2.4	-	.3	0			.7	4.8	18
31	5.0	1.3	2.4	2.4	-	.2	-			.9	6.5	-
Total	564.6	86.5	45.6	47.2	81.0	25.3	3.7	0	0	2.0	166.6	679.0
Mean	18.2	2.88	1.47	1.52	2.89	0.82	0.12	0	0	0.06	5.37	22.6
Cfsm	1.82	0.288	0.147	0.152	0.289	0.082	0.012	0	0	0.0060	0.537	2.26
In.	2.10	0.32	0.17	0.18	0.30	0.09	0.01	0	0	0.007	0.62	2.53

Calendar year 1954: Max 38 Min 0 Mean 5.57 Cfsm 0.557 In. 7.56
Water year 1954-55: Max 38 Min 0 Mean 4.66 Cfsm 0.466 In. 6.35

* Discharge measurement or observation of no flow made on this day.

g Computed from once-daily staff-gage readings.

LAKE TARPON BASIN

Brooker Creek near Tarpon Springs, Fla.

Location--Lat 28°05'45", long 82°41'15", in sec. 27, T. 27 S., R. 16 E., on right bank 80 ft downstream from bridge on private road, 1.8 miles upstream from Lake Tarpon, and 5 miles southeast of Tarpon Springs.

Drainage area--30 sq mi, approximately.

Records available--August 1950 to September 1955.

Gage--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929.

Average discharge--5 years, 20.4 cfs.

Extremes--Maximum discharge during year, 109 cfs Sept. 5 (gage height, 11.14 ft); no flow May 2 to June 30.

1950-55: Maximum discharge, 1,080 cfs Sept. 6, 1950 (gage height, 12.80 ft); no flow at times each year.

Remarks--Records good above 2.0 cfs and poor below.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 1 to May 12, May 17-20, July 1-14)

7.2	0	8.8	5.5
7.3	.1	9.2	12
7.5	.3	9.6	21
7.7	.5	10.0	32
8.0	1.1	10.5	58
8.3	2.0	11.0	92
8.6	3.6	11.2	119

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	31	5.3	5.5	3.8	7.8	3.1	1.9	0.1		0.1	30	25
3	29	5.0	5.1	3.6	7.1	2.8	2.4	0		.1	27	81
4	28	4.3	4.4	3.4	6.3	2.5	3.6	0		.1	27	84
5	28	3.8	4.0	3.2	5.9	2.3	3.4	0		.1	28	101
6	28	3.7	3.7	3.1	5.2	2.1	3.5	0		.1	28	106
7	28	3.5	3.6	2.9	4.6	1.9	3.3	0		.3	29	97
8	28	3.2	3.2	*2.8	5.2	1.7	2.8	0		.2	38	97
9	28	3.0	3.1	2.7	7.2	1.5	2.4	0		.2	87	83
10	28	2.7	3.0	2.6	6.9	1.3	1.9	0		.2	62	74
11	28	2.6	2.8	2.5	7.4	1.2	1.6	*0		.2	*56	69
12	27	2.6	2.7	2.5	9.7	1.1	1.3	0		.2	44	79
13	26	2.7	2.6	2.3	11	1.0	1.0	0		.3	32	91
14	*26	2.6	2.8	2.2	13	.9	.9	0		.2	25	92
15	25	4.7	3.4	2.1	13	.8	.8	0		.4	25	91
16	24	6.5	3.5	2.0	12	.8	1.0	0		3.9	26	83
17	22	7.8	3.7	2.1	11	.7	.9	0		11	28	*76
18	21	*10	3.8	3.1	10	.6	.7	0		18	25	69
19	19	10	5.6	3.4	9.3	.5	.6	0		24	22	61
20	18	10	5.9	5.1	8.4	.4	.4	0		26	20	53
21	16	9.9	6.9	5.3	7.8	.4	.3	0		24	28	47
22	15	8.6	7.6	5.6	*7.1	.3	.2	0		23	27	44
23	14	7.9	7.2	5.9	6.6	.3	.2	0		33	27	40
24	12	10	6.8	6.2	5.9	.3	.2	0		51	25	40
25	11	10	6.2	9.5	5.4	.5	.1	0		62	22	40
26	9.9	11	5.9	11	4.7	1.0	.1	0	(*)	89	21	40
27	8.6	10	5.5	14	4.2	1.2	.1	0		94	20	47
28	7.6	9.1	5.2	14	3.8	1.5	.1	0		80	22	66
29	6.8	8.3	4.7	13	3.4	1.5	.1	0		66	22	67
30	6.2	7.2	4.4	12	-	2.2	.1	0		49	19	59
31	6.6	6.2	4.2	10	-	*2.2	.1	0		39	16	49
32	5.6	4.0	4.0	9.0	-	2.1	-	0		32	20	49
Total	611.5	192.2	141.0	170.9	209.9	40.7	36.0	0.1	0	725.6	906	2,031
Mean	19.7	6.41	4.55	5.51	7.50	1.31	1.20	0.003	0	23.4	29.2	67.7
Cfsm	0.657	0.214	0.152	0.184	0.250	0.044	0.040	0.00010	0	0.780	0.975	2.26
In.	0.76	0.24	0.17	0.21	0.26	0.05	0.04	0.0001	0	0.90	1.12	2.52
Calendar year 1954: Max	100				Min 0	Mean 14.7	Cfsm 0.487	In. 6.64				
Water year 1954-55: Max	106				Min 0	Mean 13.9	Cfsm 0.463	In. 6.27				

* Discharge measurement or observation of no flow made on this day.

Ancilote River near Elfers, Fla.

Location.--Lat 28°12'50", long 82°40'00", in sec. 23, T. 26 S., R. 16 E., on left bank 40 ft downstream from bridge on State Highway 54 and 3½ miles southeast of Elfers.

Drainage area.--67 sq mi, approximately.

Records available.--May 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929.

Average discharge.--9 years, 75.1 cfs.

Extremes.--Maximum discharge during year, 466 cfs Sept. 12 (gage height, 15.02 ft); minimum, 1.9 cfs on several days in June and July; minimum gage height, 7.63 ft about Nov. 13, from recorded range in stage.

1946-55: Maximum discharge, 3,500 cfs Sept. 6, 1950 (gage height, 26.02 ft); minimum, 1.9 cfs on several days in June and July 1955.

Flood of Aug. 8 or 9, 1945, reached a stage of 27.7 ft, from information by local residents and high-water marks (discharge, 5,000 cfs, from rating curve extended above 3,200 cfs).

Remarks.--Records fair above 5 cfs and poor below. Some diurnal fluctuation at low flow.

Revisions.--WSP 1204: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 9 to Mar. 7)

Oct. 1 to Mar. 7

Mar. 8 to Sept. 30

7.6	2.4	9.0	47	7.9	2.0	9.5	49
7.7	3.8	9.5	69	8.0	3.2	10.5	110
7.9		10.0	100	8.3	8.4	15.0	464
8.0	10	12.0	239	8.8	21		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	219	5.3	19	14	36	8.5	9.4	2.5	3.6	2.2	76	132
2	189	4.8	18	13	32	7.4	8.8	2.6	3.6	2.1	82	207
3	135	4.1	16	12	29	6.8	11	2.7	3.6	2.4	56	302
4	107	3.8	14	11	25	6.1	11	2.8	3.6	2.4	52	392
5	87	a3.7	12	10	22	5.5	11	3.0	3.5	2.5	61	367
6	70	a3.6	12	*9.9	21	5.0	9.9	3.0	3.5	3.0	68	304
7	58	a3.5	13	9.3	19	4.4	8.4	3.2	3.6	2.8	60	230
8	49	3.3	12	8.8	25	4.1	6.8	3.4	3.6	2.5	65	173
9	45	a3.1	12	8.5	28	3.8	5.4	3.5	3.5	2.7	*63	140
10	38	a3.0	11	8.2	31	3.5	4.2	*3.6	3.4	2.8	60	190
11	34	a3.0	9.9	7.9	36	3.4	3.5	3.6	3.0	2.8	53	397
12	*30	a3.3	9.3	7.9	42	3.2	3.1	3.8	3.0	3.1	43	445
13	27	a3.0	9.9	7.6	46	3.2	2.7	3.8	3.0	5.2	34	369
14	24	a5.0	15	7.4	46	3.1	2.6	3.8	3.0	5.9	32	284
15	20	a8.0	16	7.0	*41	3.0	2.8	3.8	3.0	5.4	36	218
16	17	a14	17	7.0	36	3.0	2.7	4.0	2.8	7.0	38	*169
17	14	*24	17	12	32	2.8	2.5	4.1	2.4	15	38	131
18	11	28	23	14	29	2.8	2.2	4.1	2.4	23	34	103
19	8.8	26	29	21	26	2.8	2.1	3.8	2.5	21	30	85
20	7.2	25	33	23	23	2.8	2.1	4.2	2.6	17	40	72
21	6.1	24	32	23	21	2.7	2.1	4.2	*2.7	27	41	64
22	5.2	22	29	22	19	2.7	2.1	4.4	2.7	34	48	60
23	4.4	30	26	22	17	2.6	2.2	4.6	2.8	35	41	65
24	3.8	32	24	32	15	3.1	2.2	4.6	3.0	57	33	62
25	3.3	34	22	44	14	3.2	2.2	4.4	2.5	136	29	58
26	3.2	32	21	60	12	4.2	2.4	4.7	2.6	144	28	56
27	3.1	29	20	65	11	5.0	2.4	4.4	2.6	92	33	51
28	2.9	26	19	68	9.6	5.4	2.4	4.4	2.4	58	41	45
29	3.1	24	18	52	-	*9.0	2.4	4.1	2.2	59	34	39
30	3.5	21	16	46	-	10	2.5	4.1	2.2	111	34	34
31	5.0	-	15	40	-	10	-	3.8	-	95	91	-
Total	1,211.6	451.5	560.1	681.5	743.6	143.1	135.1	117.0	88.9	978.8	1,454	5,242
Mean	39.1	15.0	18.1	22.0	26.6	4.62	4.50	3.77	2.96	31.6	46.9	175
Cfsm	0.584	0.224	0.270	0.328	0.397	0.069	0.067	0.056	0.044	0.472	0.700	2.61
In.	0.67	0.25	0.31	0.38	0.41	0.08	0.07	0.06	0.05	0.54	0.81	2.91

Calendar year 1954: Max 319 Min 2.9 Mean 37.0 Cfsm 0.552 In. 7.48
Water year 1954-55: Max 445 Min 2.1 Mean 32.3 Cfsm 0.482 In. 6.54

Peak discharge (base, 700 cfs).--No peak above base.

*Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for nearby stations.

WEEKIWACHEE RIVER BASIN

Weekiwachee Spring near Brooksville, Fla.

Location.--Lat 28°31', long 82°34', in sec. 2, T. 23 S., R. 17 E., on northeast side of pool at spring at head of Weekiwachee River, 12 miles southwest of Brooksville.
Records available.--1917, 1929-30 (one discharge measurement in each year), February 1931 to September 1955 (discharge measurements only).
Gage.--Staff gage read only when discharge measurements are made.
Extremes.--1931-55: Maximum discharge measured, 256 cfs Sept. 25, 1950; minimum measured, 106 cfs Feb. 14, 1933.
Remarks.--Discharge measurements made about three-quarters of a mile downstream from head of spring.

Discharge measurements, in cubic feet per second, water year
 October 1954 to September 1955

Oct. 29.....	179	May 31.....	140
Dec. 10.....	185	July 13.....	149
Jan. 20.....	155	Aug. 18.....	146
Mar. 7.....	148	Sept. 30.....	153
Apr. 21.....	148		

WITHLACOCHEE RIVER BASIN

Withlacoochee River at Trilby, Fla.

Location.--Lat 28°29', long 82°11', on line between secs. 14 and 23, T. 23 S., R. 21 E., on right bank at downstream side of bridge on U. S. Highway 301, 1½ miles northeast of Trilby and 10 miles upstream from Little Withlacoochee River.
Drainage area.--650 sq mi, approximately.
Records available.--August 1928 to February 1929, February 1930 to September 1955.
Gage.--Water-stage recorder. Datum of gage is 49.27 ft above mean sea level (Corps of Engineers benchmark). Prior to Oct. 1, 1938, staff gage at site 1½ miles downstream at datum 0.12 ft lower.
Average discharge.--25 years (1930-55), 369 cfs.
Extremes.--Maximum discharge during year, 1,650 cfs Sept. 16 (gage height, 11.66 ft); minimum, 18 cfs July 8 (gage height, 1.63 ft).
 1928-29, 1930-55: Maximum discharge, 8,840 cfs June 21, 1934 (gage height, 20.5 ft, site and datum then in use); minimum, 8.6 cfs June 9-17, 1945 (gage height, 1.12 ft).
Remarks.--Records good.
Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and
 discharge, in cubic feet per second)
 (Shifting-control method used Jan. 27 to Feb. 11, July 9-14)

Oct. 1 to Feb. 11

Feb. 12 to Sept. 30

2.4	61	1.8	20	7.0	481
3.0	97	2.0	26	9.0	865
5.0	249	2.5	46	12.0	1,750
		5.0	249		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	83	91	91	88	77	39	33	31	24	358	913
2	67	79	94	89	89	78	40	26	33	23	413	1,070
3	68	75	94	82	90	*81	48	22	36	23	442	1,160
4	69	72	93	77	91	78	46	20	37	21	460	1,240
5	72	70	91	79	92	79	41	25	36	20	480	1,270
6	86	69	100	84	92	81	40	30	34	20	492	1,230
7	117	67	104	87	92	*69	42	34	32	20	512	1,160
8	147	65	*101	89	100	54	49	37	32	22	528	1,110
9	175	64	98	86	102	55	47	35	33	25	540	1,110
10	199	62	96	84	103	60	50	27	32	27	548	1,170
11	215	62	91	83	109	62	42	30	32	29	550	1,280
12	227	62	89	84	115	62	*56	33	35	*32	559	1,420
13	226	62	86	84	112	60	35	36	35	35	574	1,520
14	224	65	84	82	100	49	36	37	33	37	803	1,590
15	218	66	83	81	89	42	35	37	32	44	824	1,640
16	208	64	84	81	95	41	35	38	33	48	632	1,640
17	198	64	90	84	99	40	34	41	37	52	*636	1,640
18	187	64	101	85	100	41	32	50	38	80	634	1,610
19	175	64	105	*89	100	44	28	58	44	106	648	1,540
20	163	65	103	86	98	45	28	52	40	125	685	1,470
21	152	65	97	84	96	39	*34	48	28	141	711	1,370
22	143	65	98	83	96	32	39	45	24	154	720	1,270
23	134	68	99	82	97	32	41	50	31	177	726	1,180
24	126	72	99	92	97	37	39	72	42	231	729	1,080
25	119	76	95	98	97	45	32	74	46	243	726	973
26	112	80	81	89	95	55	28	*61	37	244	726	900
27	108	84	70	90	89	58	30	51	35	242	733	858
28	100	87	70	93	86	49	35	45	31	250	748	784
29	*96	89	75	93	-	45	38	42	28	270	755	*748
30	94	89	84	91	-----	42	37	41	24	293	759	720
31	89	-----	89	88	-----	41	-----	34	-----	321	806	-----
Total	4,380	2,119	2,835	2,671	2,709	1,673	1,136	1,264	1,019	3,379	19,055	36,642
Mean	141	70.6	91.5	86.2	98.8	54.0	37.9	40.8	34.0	109	615	1,221
Cfsm	0.217	0.109	0.141	0.133	0.149	0.083	0.058	0.063	0.052	0.168	0.948	1.88
In.	0.25	0.12	0.16	0.15	0.15	0.10	0.06	0.07	0.06	0.19	1.09	2.10

Calendar year 1954: Max 1,330 Min - Mean 222 Cfsm 0.342 In. 4.63
 Water year 1954-55: Max 1,640 Min 20 Mean 216 Cfsm 0.332 In. 4.50

* Discharge measurement made on this day.

Withlacoochee River at Croom, Fla.

Location.--Lat 28°36', long 82°13', in sec. 8, T. 22 S., R. 21 E., on left bank at upstream side of highway bridge at Croom, 2 miles downstream from Little Withlacoochee River.

Drainage area.--900 sq mi, approximately.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 38.94 ft above mean sea level (Corps of Engineers benchmark). Prior to Feb. 2, 1940, staff gage at railroad bridge 500 ft upstream at same datum.

Average discharge.--16 years, 487 cfs.

Extremes.--Maximum discharge during year, 1,510 cfs Sept. 18, 19 (gage height, 8.18 ft); minimum, 54 cfs July 5; minimum gage height, 2.43 ft June 23.

1939-55: Maximum discharge, 8,450 cfs Sept. 12, 1950 (gage height, 12.71 ft); minimum, 19 cfs June 17, 18, 1945 (gage height, 1.78 ft).

Remarks.--Records fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge
in cubic feet per second)
(Shifting-control method used Jan. 3-15, Apr. 5-22, July 2-14)

Oct. 1 to Jan. 15

Jan. 16 to Sept. 30

3.2	96	2.4	56	7.0	797
4.0	203	3.0	104	8.0	1,390
5.0	379	4.0	204	8.2	1,520
		6.0	570		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	136	122	120	126	117	80	74	70	71	356	735
2	122	131	123	123	126	113	78	73	67	90	388	810
3	123	124	124	123	125	*110	79	69	67	80	423	919
4	129	120	124	119	125	109	80	65	68	70	453	1,040
5	138	117	122	115	125	108	78	63	70	61	474	1,200
6	147	114	128	115	125	108	75	64	71	58	491	1,250
7	163	112	133	118	126	108	73	68	70	70	502	1,280
8	194	108	133	120	138	103	71	70	69	80	515	1,220
9	230	106	131	122	138	98	72	73	68	80	527	1,180
10	254	104	*128	123	137	95	72	72	68	77	a535	1,170
11	277	103	124	122	142	96	72	70	71	77	a547	1,180
12	295	104	120	119	144	97	*70	67	72	79	a568	1,230
13	307	104	119	118	146	97	68	68	70	83	a580	1,300
14	312	105	119	119	145	95	67	70	70	*85	a590	1,360
15	311	107	115	119	140	92	70	72	68	86	595	1,400
16	303	108	113	119	136	87	69	74	70	90	604	1,440
17	290	107	112	121	134	85	68	78	77	93	608	1,480
18	277	106	122	122	135	83	66	76	75	94	*614	1,510
19	264	105	126	123	135	82	66	80	78	105	618	1,500
20	252	105	129	*124	134	82	65	83	76	123	630	1,470
21	238	105	128	122	132	83	64	82	73	140	634	1,450
22	226	105	126	120	129	82	66	83	66	158	656	1,380
23	212	109	124	122	127	78	70	80	62	176	666	1,300
24	200	109	126	130	127	78	73	89	64	210	672	1,280
25	190	111	127	135	126	80	73	91	70	244	678	1,170
26	180	113	124	134	125	87	70	*90	75	266	683	1,120
27	170	115	117	131	122	94	67	86	78	273	676	1,020
28	162	118	109	130	119	94	68	82	78	284	674	930
29	*154	120	105	131	-	93	70	78	72	295	680	855
30	149	122	108	130	-	88	73	75	70	309	687	*801
31	143	-	115	128	-	85	-	74	-	332	699	-
Total	6,534	3,353	3,776	3,817	3,689	2,905	2,133	2,339	2,123	4,359	18,025	35,958
Mean	211	112	122	123	132	93.7	71.1	75.5	70.8	140	581	1,199
Cfsm	0.234	0.124	0.136	0.137	0.147	0.104	0.079	0.084	0.079	0.156	0.646	1.33
In.	0.27	0.14	0.16	0.16	0.15	0.12	0.09	0.10	0.09	0.18	0.74	1.49
Calendar year 1954: Max	1,720			Min	103	Mean	320	Cfsm	0.556	In.	4.84	
Water year 1954-55: Max	1,510			Min	58	Mean	244	Cfsm	0.271	In.	3.69	

* Discharge measurement made on this day.

WITHLACOOCHIE RIVER BASIN

Withlacoochee River near Holder, Fla.

Location.--Lat 28°59'15", long 82°20'50", in sec. 19, T. 17 S., R. 20 E., on right bank 100 ft downstream from bridge on State Highway 200 and 4½ miles northeast of Holder.

Drainage area.--1,710 sq mi, approximately.

Records available.--August 1928 to February 1929, August 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 27.52 ft above mean sea level (levels by Corps of Engineers). Aug. 14, 1928, to Feb. 15, 1929, staff gage at bridge 100 ft upstream at datum 2.00 ft higher.

Average discharge.--24 years (1931-55), 1,106 cfs.

Extremes.--Maximum discharge during year, 1,220 cfs Sept. 28, 29 (gage height, 4.25 ft); minimum, 215 cfs June 10 (gage height, -0.04 ft).
1928-29, 1931-55: Maximum discharge, 6,740 cfs June 8-13, 1934; maximum gage height, 11.63 ft July 9, 10, 1934; minimum discharge, 144 cfs Feb. 1, 1933; minimum gage height, -0.41 ft June 19, 1945.

Remarks.--Records good. Records of chemical analyses for the water year 1955 are given in WSP 1400.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 26, Apr. 16-29)

Oct. 1 to Apr. 15		Apr. 16 to Sept. 30	
0.3	319	-0.1	209
1.0	415	1.0	358
2.0	580	2.0	544
3.0	810	4.3	1,240

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	595	*500	467	487	471	485	393	240	251	264	370	694
2	580	500	464	485	463	480	390	234	242	292	375	729
3	564	498	461	485	458	477	396	230	236	308	375	783
4	540	496	459	485	448	471	390	230	230	306	368	828
5	536	498	461	483	436	463	385	231	226	304	366	914
6	525	496	496	479	434	458	382	231	222	299	375	962
7	510	491	500	474	448	453	372	232	219	299	382	959
8	534	488	483	471	517	440	362	232	218	299	404	965
9	620	482	*472	472	553	428	349	235	218	304	399	944
10	601	479	472	479	562	418	338	235	217	308	399	924
11	580	475	472	485	608	409	337	236	221	314	407	941
12	564	479	471	487	638	403	332	237	226	328	422	976
13	549	477	482	487	626	397	*331	241	223	339	445	993
14	542	483	505	477	599	394	335	238	222	*336	475	1,010
15	539	490	503	459	578	390	353	247	221	318	503	1,010
16	529	500	491	448	567	387	353	259	221	328	495	1,010
17	522	505	479	450	564	386	340	262	228	379	517	1,010
18	518	510	495	451	558	380	352	260	231	347	*562	1,020
19	515	502	503	467	551	373	323	256	234	324	616	1,020
20	512	490	500	456	542	367	318	260	234	310	641	1,030
21	508	490	491	447	536	364	310	265	232	300	633	1,050
22	507	485	480	448	529	366	299	272	231	311	633	1,070
23	505	507	472	469	522	367	289	265	231	312	630	1,100
24	507	507	471	*520	513	382	285	262	245	336	620	1,200
25	508	505	471	532	505	396	276	258	251	365	620	1,200
26	512	491	474	520	493	397	271	252	252	355	616	*1,210
27	510	482	482	508	493	389	263	*258	248	334	613	1,210
28	508	480	487	498	*491	382	256	260	263	331	620	1,220
29	512	482	488	491	-	400	251	255	265	342	618	1,220
30	520	472	491	485	-----	400	245	254	262	356	618	1,210
31	510	-----	491	479	-----	396	-----	255	-----	361	638	-----
Total	16,582	14,740	14,934	14,864	14,703	12,698	9,856	7,682	7,020	10,008	15,755	30,412
Mean	535	491	482	479	475	410	329	248	234	323	508	1,014
Cfs/m	0.313	0.287	0.282	0.280	0.307	0.240	0.192	0.145	0.137	0.189	0.297	0.593
In.	0.36	0.32	0.32	0.32	0.32	0.28	0.21	0.17	0.15	0.22	0.34	0.66

Calendar year 1954: Max 3,200 Min 459 Mean 936 Cfs/m 0.547 In. 7.42
Water year 1954-55: Max 1,220 Min 217 Mean 464 Cfs/m 0.271 In. 3.67

* Discharge measurement made on this day.

Rainbow Springs near Dunnellon, Fla.

Location--Lat 29°06'05", long 82°26'10", in sec. 12, T. 16 S., R. 18 E., at head of springs, 4 miles northeast of Dunnellon.

Records available--1907, 1917, 1929-30 (one discharge measurement in each year), February 1931 to September 1955 (discharge measurements only). Prior to October 1940, published as Blue Springs near Dunnellon.

Gage--Staff gage read only when discharge measurements are made. Datum of gage is 28.34 ft above mean sea level (levels by Corps of Engineers). Prior to Nov. 19, 1948, at datum 1.63 ft higher.

Extremes--1931-55: Maximum discharge measured, 1,020 cfs Sept. 28, 1950; minimum measured, 487 cfs Oct. 3, 1932.

Remarks--Discharge measurements made at bridge on State Highway 484, 5 miles downstream from springs. Surface inflow between springs and measuring section is negligible except after heavy rains.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Nov. 1.....	765	Apr. 13.....	607
Dec. 9.....	736	May 27.....	606
Jan. 21.....	676	July 15.....	628
Mar. 8.....	651	Aug. 20.....	704

SUWANNEE RIVER BASIN

Suwannee River at Fargo, Ga.

Location--Lat 30°41', long 82°34', on downstream side of right bank bridge pier on U. S. Highway 441 at Fargo, Clinch County, 4 miles upstream from Suwanoochee Creek and 12 miles downstream from Mixons Ferry dam site.

Drainage area--About 1,260 sq mi (includes part of watershed in Okefenokee Swamp which is indeterminate).

Records available--January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 91.90 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Jan. 27, 1921, to Sept. 30, 1923, staff gage at site 1,200 ft upstream at datum 3.00 ft higher. Jan. 27, 1927, to Dec. 31, 1931, and Apr. 20, 1937, to June 10, 1938, staff gage at site 1,000 ft upstream at datum 1.00 ft higher. June 11, 1938, to Nov. 26, 1952, staff gage at site 1,000 ft upstream at present datum.

Average discharge--22 years (1927-31, 1937-55), 1,080 cfs.

Extremes--Maximum discharge during year, 1,710 cfs Sept. 17, 18 (gage height, 10.7 ft); no flow Oct. 11 to Nov. 17.

1921-23, 1927-31, 1937-55: Maximum discharge, 12,700 cfs Oct. 3, 1929; maximum gage height, 19.6 ft Oct. 3, 1929, present datum, Oct. 28, 29, 1947; no flow at times in 1931, 1943, 1954.

Remarks--Records poor prior to Jan. 17, fair thereafter.

Revisions--WSP 1234: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	*0	0.2	0.1	4.5	9.4	5.2	7.8	7.1	7.2	16	*98
2	7	0	0.2	1	4.2	8.9	5.4	7.4	6.7	7.4	14	82
3	7	0	1	1	4.1	8.9	6.9	6.7	6.1	6.9	12	77
4	5	0	1	1	4.2	8.9	6.4	6.2	5.7	6.1	10	73
5	4	0	1	1	4.2	8.9	5.8	6.0	5.3	5.3	8.7	77
6	3	0	3	1	3.8	8.5	4.8	5.4	4.9	4.6	8.2	116
7	2	0	4	1	10	8.2	*4.8	4.7	4.9	*4.6	7.8	107
8	1	0	5	1	19	8.0	5.0	4.0	4.7	4.2	8.2	83
9	1	0	*5	1	21	6.9	3.5	3.5	4.0	4.3	*14	69
10	1	0	4	**1	16	6.2	4.4	3.3	*3.8	4.9	17	69
11	0	0	3	1	17	6.1	4.6	3.1	3.7	6.2	17	68
12	0	0	2	1	18	5.9	7.8	2.8	3.4	6.7	16	79
13	0	0	2	1	16	5.9	19	2.7	2.8	6.4	18	324
14	0	0	3	1	12	5.7	21	2.6	2.7	6.1	20	810
15	*0	0	3	1	12	5.4	37	2.8	2.6	6.5	21	1,250
16	0	0	2	1	12	5.1	35	3.6	2.6	12	22	1,550
17	0	0	3	1	10	*4.8	26	4.9	2.5	12	21	1,710
18	0	1	2	2	12	4.5	21	5.0	2.5	*8.2	19	1,710
19	0	2	2	*4.5	12	4.3	19	5.2	2.9	6.0	17	1,600
20	0	3	2	4.7	13	3.9	18	7.1	3.4	4.9	15	*1,500
21	0	4	2	3.6	13	4.6	16	8.7	3.7	4.4	14	1,330
22	0	4	2	3.5	12	6.4	15	12	3.8	5.9	16	1,110
23	0	5	*2	5.1	12	6.4	15	13	3.7	4.5	11	880
24	0	6	3	9.9	11	4.6	14	14	3.6	3.5	16	665
25	0	6	3	12	11	4.0	12	14	3.1	3.3	24	600
26	0	5	2	11	11	3.8	*11	14	2.9	3.4	90	585
27	0	4	2	9.0	10	3.8	10	12	6.4	6.0	188	570
28	0	4	2	7.5	9.9	3.8	9.9	12	7.7	17	220	*556
29	0	3	1	6.7	-	5.3	9.2	10	6.5	17	214	556
30	0	3	1	6.0	-----	5.9	8.5	9.0	6.2	15	170	556
31	0	-----	1	5.2	-----	6.0	-----	7.5	-----	16	124	-----
Total	3.8	5.0	7.3	34.1	316.9	189.0	382.0	221.0	129.9	226.5	1,388.9	18,860
Mean	0.12	0.17	0.24	9.4	11.3	6.10	12.7	7.13	4.33	7.31	44.8	629
Cfsm	0.000098	0.00013	0.00019	0.0024	0.0090	0.0048	0.010	0.0057	0.0034	0.0058	0.036	0.499
In.	0.0001	0.0001	0.0002	0.003	0.009	0.006	0.01	0.007	0.004	0.007	0.04	0.56

Calendar year 1954: Max 3,040

Water year 1954-55: Max 1,710

* Discharge measurement or observation of no flow made on this day.

** Field estimate made on this day.

Note.--No gage-height record Oct. 1 to Jan. 17; discharge estimated on basis of 5 discharge measurements, observer's notes, weather records, and records for station at White Springs, Fla.

Suwannee River at White Springs, Fla.

Location.--Lat 30°20', long 82°44', in sec. 8, T. 2 S., R. 16 E., on left bank at downstream side of bridge on U. S. Highway 41, 1 mile southeast of White Springs.

Drainage area.--1,990 sq mi (includes part of watershed in Okefenokee Swamp which is indeterminate).

Records available.--May 1906 to December 1908, February 1927 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 48.54 ft above mean sea level (Corps of Engineers benchmark). May 28, 1906, to Dec. 31, 1908, chain gage and Feb. 8, 1927, to July 31, 1932, staff gage, at site 1 mile downstream at same datum.

Average discharge.--30 years, 1,713 cfs.

Extremes.--Maximum discharge during year, 3,840 cfs Sept. 19 (gage height, 139.8 ft); minimum, 7.5 cfs June 24-26 (gage height, 1.05 ft).
1906-8, 1927-55: Maximum discharge, 28,500 cfs Apr. 5, 6, 1948; maximum gage height, 36.65 ft Apr. 5, 1948; minimum discharge, 4.8 cfs Nov. 15, 1931; minimum gage height, that of June 24-26, 1955.

Remarks.--Records good.

Revisions.--WSP 727: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 30 to Apr. 6, July 28 to Aug. 16)

1.0	5.5	2.5	131
1.1	9.5	3.0	215
1.2	15	4.0	429
1.5	33	7.0	1,350
2.0	71	14.0	3,850

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	13	*15	20	50	52	34	31	20	18	31	234
2	31	12	14	19	48	51	35	29	19	19	29	190
3	32	12	14	19	48	50	44	28	17	23	27	156
4	31	12	14	19	45	49	45	27	17	22	25	138
5	28	12	14	19	42	48	40	26	16	19	25	120
6	24	13	29	19	40	46	*37	25	16	19	26	123
7	22	13	37	18	82	45	38	25	16	24	25	149
8	22	13	31	18	179	43	39	23	16	25	24	208
9	25	12	27	18	172	41	37	21	14	25	23	213
10	23	12	26	18	134	40	36	21	13	25	*21	208
11	21	13	24	16	136	40	36	19	12	23	20	230
12	20	13	22	17	157	40	39	18	12	23	19	253
13	18	12	29	*16	127	40	58	17	11	22	22	552
14	17	13	52	16	107	40	98	16	10	19	26	1,900
15	17	13	42	16	96	39	140	18	10	17	34	2,770
16	15	15	34	17	90	38	177	*22	11	17	37	3,200
17	13	17	29	24	83	37	143	26	11	17	33	3,490
18	13	19	29	32	79	36	113	25	11	16	32	3,740
19	12	19	30	56	75	35	93	22	10	13	30	3,830
20	12	19	28	60	72	34	81	22	9.5	14	29	3,780
21	12	18	25	48	68	32	71	24	9.5	16	28	*3,620
22	12	17	23	42	66	32	62	24	9.1	17	25	3,310
23	12	19	23	63	*63	34	56	25	8.3	17	25	2,870
24	12	19	22	165	60	33	50	25	7.9	16	26	2,280
25	12	19	22	197	59	31	46	24	7.5	14	32	1,700
26	12	18	21	128	57	29	42	23	9.1	16	33	1,340
27	*12	17	21	89	54	29	38	22	13	23	32	1,150
28	12	16	21	72	53	30	36	25	16	20	105	1,050
29	13	15	21	83	-	42	35	25	*15	20	274	988
30	14	15	21	58	-----	43	32	23	17	22	309	943
31	13	-----	21	53	-----	38	-----	22	-----	22	276	-----
Total	568	450	781	1,435	2,322	1,217	1,828	732	383.9	609	1,703	44,735
Mean	18.3	15.0	25.2	46.3	82.9	39.3	60.9	23.3	12.8	19.6	54.9	1,491
Cfsm	0.0092	0.0075	0.013	0.023	0.042	0.020	0.031	0.012	0.0064	0.0098	0.028	0.749
In.	0.01	0.008	0.01	0.03	0.04	0.02	0.03	0.01	0.007	0.01	0.03	0.84
Calendar year 1954: Max	5,540			Min 8.7			Mean 436	Cfsm 0.219	In. 2.97			
Water year 1954-55: Max	3,830			Min 7.5			Mean 155	Cfsm 0.078	In. 1.04			

* Discharge measurement made on this day.

Alapaha River near Alapaha, Ga.

Location.--Lat 31°23', long 83°10', near left bank on downstream side of bridge on State Highway 50, 2 miles east of Alapaha, Berrien County, and 6 miles upstream from Willacoochee River.

Drainage area.--644 sq mi.

Records available.--April 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 209.34 ft above mean sea level, datum of 1929. Prior to Sept. 8, 1943, staff gage at same site and datum.

Average discharge.--18 years, 466 cfs.

Extremes.--Maximum discharge during year, 890 cfs Apr. 17 (gage height, 8.2 ft); no flow Oct. 1 to Nov. 28.

1937-55: Maximum discharge, 12,700 cfs Apr. 4, 1948 (gage height, 16.8 ft); no flow July 23, 24, Sept. 1 to Nov. 28, 1954.

Remarks.--Records good. Records of water temperatures for water year 1954 are given in WSP 1350, and for water year 1955 in WSP 1400.

Revisions (water years).--WSP 872: 1937. WSP 1002: 1939(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 27 to Feb. 6, Sept. 28-30)

Oct. 1 to Apr. 16

Apr. 17 to Sept. 30

-0.4	0	-0.45	0.1	1.3	39
-0.5	0.33	-0.4	.2	2.0	78
-0.2	.85	-0.3	.7	3.0	147
0.0	2.4	-0.2	1.3	5.0	330
.3	6.4	0.0	3.0	7.0	600
.7	15	.3	7.1	9.0	1,170
1.3	39	.6	14		

Note.--Same as following table above 1.3 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0.03	1.2	87	74	24	187	55	0.2	*35	10
2		0	.01	1.2	76	73	24	155	65	.2	31	26
3		0	.01	1.2	67	68	28	128	50	.2	27	35
4	(*)	0	.01	1.2	59	65	26	106	36	.1	34	35
5		0	.72	1.1	52	61	24	90	25	.2	58	54
6		0	16	1.1	52	58	26	77	19	.2	124	68
7		0	8.0	1.1	163	54	26	65	14	.4	232	67
8		0	3.9	1.0	179	50	38	55	9.9	.6	51	51
9		0	2.8	1.0	167	46	78	46	7.1	.6	340	40
10		0	2.2	1.2	183	43	96	*39	*5.1	.6	350	31
11	(*)	0	1.9	1.5	241	41	163	34	4.0	1.1	340	25
12		0	1.6	*1.3	310	39	340	29	5.0	2.7	320	22
13		0	3.3	1.2	320	36	396	24	2.4	4.9	260	18
14	(*)	0	5.2	1.0	270	34	420	21	1.9	4.2	205	24
15		*0	3.4	1.0	214	32	548	18	1.7	3.1	163	29
16		0	2.6	1.6	175	*30	780	16	1.6	2.2	124	41
17		0	*1.9	4.2	151	28	860	16	1.3	1.7	93	95
18		0	1.6	8.0	139	26	*805	15	1.2	1.6	75	171
19		0	1.6	*29	128	24	680	12	1.1	1.2	62	330
20		0	1.6	10	117	22	548	9.9	1.0	.8	52	472
21		0	1.5	5.5	110	20	445	9.4	.9	1.0	42	600
22		0	*1.4	5.0	103	23	420	9.9	.7	.7	34	680
23		0	1.3	6.1	100	26	472	12	.6	.8	28	705
24		0	1.3	*22	93	23	501	13	.5	1.4	23	680
25		0	1.2	14	90	20	501	12	.4	9.0	19	620
26		0	1.2	11	84	18	472	12	.4	21	16	532
27		0	1.2	60	81	16	408	11	.5	29	18	445
28	(*)	0	1.2	84	78	15	350	9.4	.5	26	19	361
29		.22	1.3	96	-	17	290	7.7	.4	26	17	290
30		.08	1.3	103	-	21	232	6.3	*.3	35	13	*223
31		-----	1.2	*100	-----	24	-----	10	-----	35	*11	-----
Total	0	0.28	72.48	576.7	3,689	1,127	10,021	1,255.6	310.5	211.7	3,475	6,776
Mean	0	0.009	2.34	18.6	139	36.4	334	40.5	10.4	6.83	112	226
Cfs/m	0	0.000014	0.0036	0.029	0.216	0.057	0.513	0.063	0.016	0.011	0.174	0.351
In.	0	0.00002	0.0034	0.03	0.22	0.07	0.58	0.07	0.02	0.01	0.02	0.39

Calendar year 1954: Max 3,160

Min 0

Mean 203

Cfs/m 0.515

In. 4.30

Water year 1954-55: Max 860

Min 0

Mean 75.9

Cfs/m 0.118

In. 1.59

* Discharge measurement or observation of no flow made on this day.

SUWANNEE RIVER BASIN

Alapaha River at Statenville, Ga.

Location.--Lat 30°40', long 83°01', at downstream side of left bank pier of bridge on State Highway 94, a quarter of a mile west of Statenville, Echols County.

Drainage area.--1,400 sq mi, approximately.

Records available.--January to June 1921, December 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 76.77 ft above mean sea level (levels by Georgia State Highway Department). Jan. 28 to June 30, 1921, staff gage at site 50 ft upstream at datum 2.10 ft higher. Dec. 10, 1931, to July 9, 1935, chain gage, July 10, 1935, to Nov. 30, 1949, staff gage, at site 200 ft upstream, and Dec. 1, 1949, to Nov. 22, 1952, wire-weight gage, at present site, all at present datum.

Average discharge.--23 years (1932-55), 927 cfs.

Extremes.--Maximum discharge during year, 1,320 cfs Apr. 23 (gage height, 7.1 ft); minimum, 16 cfs Nov. 13, 14.
1921, 1931-55: Maximum discharge, 27,300 cfs Apr. 6, 1948 (gage height, 29.8 ft, from graph based on gage readings); minimum, that of Nov. 13, 14, 1954.
Flood of Apr. 30 or May 1, 1928 reached a stage of 28.5 ft (discharge, 18,400 cfs).

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Revisions (water years).--WSP 822: 1936, drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 7-11)

Oct. 1 to Apr. 22

Apr. 23 to Sept. 30

0.78	17	4.0	541
1.3	62	7.0	1,290
2.0	154		

0.8	25	3.0	344
1.0	41	8.0	1,550
1.5	99		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	27	22	28	90	216	77	512	66	27	116	94
2	34	28	22	27	86	207	77	460	62	29	130	107
3	33	23	23	26	90	199	77	401	59	31	154	92
4	142	21	23	*26	100	190	77	563	56	28	142	89
5	182	21	23	25	110	185	77	325	60	26	126	95
6	182	20	32	24	130	179	74	288	67	26	113	96
7	174	19	38	24	174	171	*74	253	75	*30	108	113
8	164	18	32	23	216	163	74	236	76	30	109	130
9	154	18	35	22	*264	154	74	211	89	30	*94	115
10	144	17	45	*23	284	148	73	195	*63	31	89	112
11	131	17	42	23	312	144	83	179	58	31	123	122
12	122	17	38	23	330	139	125	188	55	29	184	134
13	108	17	39	22	350	136	158	150	50	36	228	279
14	77	19	40	29	370	131	202	144	47	37	253	279
15	50	22	46	34	400	126	360	136	44	33	279	211
16	43	21	45	38	430	119	612	138	42	29	288	174
17	43	21	45	50	440	*115	810	136	40	30	282	156
18	46	20	44	66	420	110	885	120	39	29	236	174
19	47	20	39	*65	380	104	960	111	40	27	219	168
20	46	20	37	68	350	99	1,060	104	37	27	195	152
21	45	22	34	68	322	95	1,160	104	36	48	176	*148
22	45	21	33	66	302	94	1,260	109	33	73	160	253
23	53	24	*32	80	284	94	1,320	106	31	84	146	382
24	57	23	31	90	274	94	1,240	106	31	90	144	470
25	52	23	30	90	255	88	1,010	104	30	69	123	522
26	46	22	29	85	246	84	*785	103	29	69	129	578
27	39	22	31	80	237	80	685	99	30	61	115	612
28	32	24	29	80	228	85	638	92	29	69	98	636
29	32	22	29	78	-	88	612	85	28	62	87	612
30	28	22	28	78	-----	83	566	78	26	63	80	566
31	27	-----	28	90	-----	79	-----	72	-----	108	73	-----
Total	2,414	629	1,044	1,551	7,474	3,999	15,281	5,688	1,408	1,392	4,777	7,671
Mean	77.9	21.0	33.7	50.0	267	129	509	183	46.9	44.9	154	256
Cfs/m	0.056	0.015	0.024	0.036	0.191	0.092	0.364	0.131	0.034	0.032	0.110	0.183
In.	0.06	0.02	0.03	0.04	0.20	0.11	0.41	0.15	0.04	0.04	0.13	0.20

Calendar year 1954: Max 4,010

Min 17

Mean 401

Cfs/m 0.286

In. 3.87

Water year 1954-55: Max 1,320

Min 17

Mean 146

Cfs/m 0.104

In. 1.43

Peak discharge (base, 2,500 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--No gage-height record Jan. 21 to Feb. 6, Feb. 12-17; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Little River near Adel, Ga.

Location.--Lat 31°09', long 83°33', on right bank 500 ft downstream from bridge on State Highway 37, half a mile downstream from Georgia & Florida Railroad bridge, 5½ miles upstream from Bear Creek, 6 miles downstream from Warrior Creek, and 7 miles west of Adel, Cook County.

Drainage area.--547 sq mi.

Records available.--June 1940 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 171.08 ft above mean sea level, datum of 1929.

Average discharge.--15 years, 476 cfs.

Extremes.--Maximum discharge during year, 1,550 cfs Apr. 18 (gage height, 11.6 ft); minimum, 0.29 cfs Oct. 25-30.

1940-55: Maximum discharge, 38,800 cfs Apr. 2, 1948 (gage height, 21.0 ft), from rating curve extended above 13,000 cfs on basis of contracted-opening determination of peak flow; minimum, that of Oct. 25-30, 1954.

Flood of August 1928 reached a stage of 20.5 ft, from information by Georgia State Highway Department (discharge, 33,200 cfs, from rating curve extended above 13,000 cfs as explained above).

Remarks.--Records good except those for period of no gage-height record, which are fair.

Revisions (water years).--WSP 1082: 1944.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 3-7)

Oct. 1 to Apr. 17

Apr. 18 to Sept. 30

0.96	0.29	2.5	59	1.17	3.0	3.5	121
1.0	.56	3.5	134	1.5	9.9	5.0	283
1.1	1.8	6.0	425	2.0	24	8.0	752
1.2	4.0	8.0	752	2.5	49	12.0	1,670
1.5	13	12.0	1,670				
2.0	33						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	*0.35	2.3	2.3	92	138	37	83	393	5.4	7.1	20
2	1.9	.35	2.1	2.3	82	134	35	69	363	4.8	6.0	20
3	1.6	.35	1.9	2.5	75	125	32	58	173	4.6	5.6	50
4	1.3	.35	1.8	2.5	71	120	31	48	85	4.2	5.2	110
5	1.2	.41	1.9	2.5	67	116	31	41	57	6.9	4.6	140
6	.93	.56	3.4	2.5	66	108	*33	36	*42	12	6.2	120
7	.82	.72	3.7	2.5	87	*100	33	30	34	6.4	7.1	100
8	.72	.82	3.2	2.3	269	92	41	26	26	3.8	4.8	80
9	.72	.82	3.2	2.3	513	86	65	23	22	4.6	3.8	70
10	.64	.93	3.2	2.7	628	79	77	20	19	5.0	4.0	60
11	*.64	1.6	3.2	3.4	561	73	129	18	17	7.1	3.4	45
12	.56	1.4	3.0	3.0	498	69	500	16	15	7.9	3.0	*30
13	.56	.93	4.9	2.7	453	64	847	15	13	15	8.7	25
14	.56	.82	4.8	2.5	386	60	926	14	12	26	29	15
15	.56	1.2	4.3	2.3	321	57	926	13	11	18	28	15
16	.48	1.4	3.7	3.0	290	53	1,210	14	11	14	24	15
17	.48	1.8	3.7	*3.7	278	51	1,480	14	10	12	20	15
18	.48	1.8	3.7	7.5	266	47	1,520	13	9.7	11	15	10
19	.48	1.8	3.2	10	260	44	1,400	25	9.7	9.9	15	45
20	.41	2.1	3.2	10	248	42	1,160	47	9.0	8.8	10	110
21	.48	2.1	3.0	28	232	40	946	40	8.1	9.5	10	200
22	.41	2.1	2.5	48	215	38	716	40	7.3	8.4	*7	260
23	.41	2.7	2.5	43	198	38	498	89	6.4	7.7	6	230
24	.41	2.1	2.5	44	182	40	349	130	5.4	7.5	6	180
25	.35	1.8	2.3	66	172	40	270	100	5.2	7.5	5	130
26	.29	1.4	2.3	112	162	40	216	78	5.2	6.6	5	100
27	*.29	1.4	2.3	138	152	52	*173	69	7.7	6.2	10	80
28	.29	5.6	2.3	143	143	60	144	83	7.9	*5.6	15	60
29	.29	*3.7	*2.5	143	-	58	121	62	6.9	6.2	10	51
30	.29	2.7	2.5	130	-----	48	100	85	6.0	7.3	20	65
31	.35	-----	2.5	112	-----	42	-----	240	-----	7.3	20	-----
Total	21.20	46.11	91.4	1,079.5	6,963	2,154	14,046	1,639	1,397.5	267.2	324.5	2,451
Mean	0.684	1.54	2.95	34.8	249	69.5	468	52.9	46.6	8.62	10.5	81.7
Cfs/m	0.0013	0.0028	0.0054	0.064	0.455	0.127	0.856	0.097	0.085	0.016	0.019	0.149
In.	0.002	0.003	0.006	0.07	0.47	0.15	0.96	0.11	0.09	0.02	0.02	0.17
Calendar year 1954: Max	2,670											
Water year 1954-55: Max	1,520											
Min	0.29											
Mean	165											
Cfs/m	83.5											
Cfs/m	0.302											
In.	4.09											
In.	2.07											

Peak discharge (base, 1,500 cfs).--Apr. 18 (5 a.m.) 1,550 cfs (11.6 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Aug. 18 to Sept. 28; discharge estimated on basis of 3 discharge measurements, recorded range in stage, weather records, and records for stations on nearby streams.

Withlacoochee River near Pinetta, Fla.

Location.--Lat 30°36', long 83°16', on line between secs. 6 and 7, T. 2 N., R. 11 E., on right bank 80 ft downstream from highway bridge, a quarter of a mile west of Bellville, and 5 miles east of Pinetta.

Drainage area.--2,220 sq mi, approximately.

Records available.--December 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 47.21 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 2, 1941, chain or wire-weight gage at same site and datum.

Average discharge.--24 years, 1,430 cfs.

Extremes.--Maximum discharge during year, 1,960 cfs Apr. 23 (gage height, 10.08 ft); minimum, 70 cfs Aug. 23 (gage height, 6.27 ft).

1931-55: Maximum discharge, 79,400 cfs Apr. 5, 1948 (gage height, 38.64 ft, from floodmarks); minimum, that of Aug. 23, 1955.
Maximum stage known, that of Apr. 5, 1948.

Remarks.--Records fair prior to Dec. 22 and good thereafter.

Revisions (water years).--WSP 972: 1941-42.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 29, 30, Nov. 16 to Sept. 30)

Oct. 1 to Feb. 10

Feb. 11 to Sept. 30

6.3	74	6.2	60
6.6	115	6.6	118
6.9	191	8.0	685
8.0	685	11.0	2,560

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	98	78	77	81	269	420	156	424	460	84	99	108
2	95	78	82	81	285	404	172	376	392	85	95	123
3	93	80	83	81	281	388	184	332	368	84	92	168
4	93	80	83	80	261	376	176	300	424	77	91	180
5	92	78	85	82	245	360	*168	276	432	75	89	216
6	92	78	96	83	249	352	156	248	368	81	94	268
7	91	78	96	82	314	332	152	228	296	80	99	224
8	86	78	91	80	493	308	144	212	248	78	95	160
9	86	80	92	80	609	288	134	200	200	81	*87	126
10	88	80	96	80	620	272	131	176	164	80	81	126
11	88	80	95	*80	630	268	134	156	144	78	75	115
12	89	78	98	81	674	260	144	148	136	77	74	112
13	89	78	104	81	742	252	164	139	121	77	80	372
14	89	78	109	82	824	236	232	136	113	74	82	865
15	91	78	105	82	883	228	572	139	113	78	88	841
16	89	78	104	89	895	212	1,140	148	110	84	84	468
17	85	78	104	99	847	204	1,420	*144	105	84	80	356
18	84	78	104	117	765	192	1,460	184	99	92	80	284
19	83	78	102	181	691	180	1,540	272	95	95	77	236
20	83	78	96	237	630	168	1,650	256	91	94	74	*200
21	82	78	96	188	598	160	1,790	248	87	98	73	172
22	82	78	95	172	*572	160	1,890	232	84	102	74	144
23	80	77	86	169	556	156	1,950	236	84	104	80	134
24	78	77	88	202	532	164	1,840	376	82	101	99	115
25	80	77	88	265	500	160	1,550	598	81	95	102	136
26	*80	77	85	285	472	152	1,170	719	88	98	107	196
27	*80	77	85	281	456	134	853	731	89	101	116	224
28	78	77	85	261	436	139	658	736	*88	98	110	224
29	78	77	88	225	-	152	552	777	84	94	104	200
30	78	*77	86	218	-----	152	480	759	82	104	99	172
31	78	-----	83	245	-----	156	-----	568	-----	105	101	-----
Total	2,658	2,342	2,865	4,450	15,329	7,395	22,762	10,474	5,328	2,738	2,781	7,065
Mean	85.7	78.1	92.4	144	547	238	759	338	178	88.3	89.7	236
Cfs/m	0.039	0.035	0.042	0.065	0.246	0.107	0.342	0.152	0.080	0.040	0.040	0.106
In.	0.04	0.04	0.05	0.07	0.26	0.12	0.38	0.18	0.09	0.05	0.05	0.12
Calendar year 1954: Max	6,030			Min 77		Mean 611		Cfs/m 0.275		In. 3.74		
Water year 1954-55: Max	1,950			Min 73		Mean 236		Cfs/m 0.106		In. 1.45		

* Discharge measurement made on this day.

Suwannee River at Ellaville, Fla.

Location.--Lat 30°23', long 83°10', in sec. 24, T. 1 S., R. 11 E., on left bank at Ellaville, 200 ft upstream from Seaboard Air Line Railroad bridge, 200 ft downstream from Withlacoochee River, and a quarter of a mile upstream from bridge on U. S. Highway 90.

Drainage area.--6,580 sq mi, approximately.

Records available.--January 1927 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 27.82 ft above mean sea level (levels by Corps of Engineers). Prior to June 20, 1932, staff gage at same site and datum.

Average discharge.--28 years, 6,161 cfs.

Extremes.--Maximum discharge during year, 4,220 cfs Sept. 21 (gage height, 4.55 ft); minimum, 882 cfs July 17 (gage height, 1.69 ft).
1927-55: Maximum discharge, 95,300 cfs Apr. 7, 8, 1948 (gage height, 40.88 ft, from floodmarks); minimum, that of July 17, 1955.

Remarks.--Records good. Since Nov. 7, 1953, slight regulation at low water caused by diversions above control half a mile downstream from gage by a steam-electric powerplant for cooling of condensers. Total diverted flow is returned to river below control, and is included in records presented herewith.

Revisions.--WSP 727: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,140	1,040	954	946	1,150	1,480	1,100	1,840	1,380	898	962	1,200
2	1,130	1,040	954	954	1,150	1,450	1,120	1,780	1,350	906	978	1,200
3	1,110	1,040	954	946	1,150	1,430	1,120	1,720	1,310	922	986	1,200
4	1,110	1,030	954	946	1,150	1,420	1,110	1,660	1,270	906	986	1,220
5	1,120	1,030	962	946	1,150	1,410	*1,110	1,610	1,320	890	978	1,230
6	1,140	1,020	994	946	1,150	1,390	1,110	1,550	1,300	898	970	1,260
7	1,150	1,020	978	946	1,240	1,360	1,100	1,500	1,260	922	970	1,270
8	1,150	1,020	978	946	1,320	1,320	1,090	1,460	1,220	906	970	1,260
9	1,150	1,020	994	936	1,510	1,310	1,080	1,430	al,200	930	962	1,260
10	1,150	1,010	994	926	1,610	1,300	1,070	1,380	al,170	930	*954	1,260
11	1,150	1,010	986	916	1,630	1,280	1,070	1,360	al,130	930	946	1,270
12	1,140	996	978	*900	1,650	1,260	1,080	1,310	1,100	906	946	1,290
13	1,140	964	1,010	900	1,710	1,250	1,100	1,280	al,080	898	962	1,410
14	1,140	948	1,010	900	1,760	1,240	1,140	1,260	al,060	890	994	1,890
15	1,120	956	1,010	900	1,820	1,240	1,280	1,270	al,040	898	1,010	2,770
16	1,090	964	1,010	924	1,860	1,220	1,100	1,240	al,020	898	1,030	3,250
17	1,070	964	1,010	932	1,870	1,210	1,230	*1,220	al,010	898	1,050	3,530
18	1,060	956	1,000	946	1,850	1,200	2,330	1,200	a990	890	1,050	3,780
19	1,060	956	994	1,000	1,790	1,180	2,430	1,200	a980	890	1,040	3,980
20	1,060	956	986	1,040	1,750	1,170	2,620	1,230	a970	890	1,030	4,140
21	1,050	948	978	1,080	1,710	1,150	2,850	1,210	a960	914	1,030	*4,190
22	1,050	948	970	1,100	*1,680	1,150	3,040	1,200	a950	922	1,030	4,180
23	1,060	972	970	1,100	1,650	1,140	3,210	1,180	a940	930	1,030	4,060
24	1,060	1,020	970	1,120	1,620	1,130	3,300	1,180	a930	930	1,020	3,850
25	1,060	1,020	970	1,120	1,580	1,130	3,220	1,310	a920	938	1,020	3,560
26	*1,060	1,030	970	1,290	1,560	1,130	2,910	1,450	a980	954	1,030	3,260
27	1,070	1,020	954	1,290	1,530	1,090	2,550	1,530	a950	954	1,040	3,040
28	1,080	1,020	954	1,250	1,510	1,090	2,260	1,530	*922	946	1,050	2,900
29	1,080	991	962	1,200	-	1,100	2,070	1,530	906	954	1,030	2,790
30	1,060	*962	954	1,170	-----	1,100	1,940	1,590	898	946	1,090	2,720
31	1,050	-----	946	1,150	-----	1,100	-----	1,500	-----	946	1,170	-----
Total	34,060	29,871	30,308	31,758	43,110	38,430	55,240	43,710	32,516	28,430	31,314	74,200
Mean	1,099	996	978	1,024	1,540	1,240	1,841	1,410	1,084	917	1,010	2,473
Cfsm	0.167	0.151	0.149	0.156	0.234	0.188	0.280	0.214	0.165	0.139	0.153	0.376
In.	0.19	0.17	0.17	0.18	0.24	0.22	0.31	0.25	0.18	0.16	0.18	0.42
Calendar year 1954: Max			15,500		Min 946		Mean 2,994		Cfsm 0.455		In. 6.17	
Water year 1954-55: Max			4,190		Min 890		Mean 1,296		Cfsm 0.197		In. 2.67	

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for nearby stations.

SUWANNEE RIVER BASIN

Suwannee River at Branford, Fla.

Location.--Lat 29°57', long 82°56', in sec. 17 or 20, T. 6 S., R. 14 E., near left bank on upstream side of bridge on U. S. Highways 27 and 129 at Branford, 10½ miles upstream from Santa Fe River.

Drainage area.--7,090 sq mi, approximately.

Records available.--July 1931 to September 1955.

Gage.--Wire-weight gage read once daily. Datum of gage is 4.81 ft above mean sea level, datum of 1929. Prior to June 15, 1933, chain gage at same site and datum.

Average discharge.--24 years, 6,260 cfs.

Extremes.--Maximum discharge during year, 4,320 cfs Sept. 23 (gage height, 5.94 ft); minimum, 1,530 cfs July 1, 2; minimum gage height, 2.32 ft Aug. 11, 12.
1931-55: Maximum discharge observed, 83,900 cfs Apr. 11, 1948 (gage height, 34.07 ft); minimum, that of July 1, 2, 1955; minimum gage height, 2.27 ft Dec. 17, 18, 1943. Maximum stage known, that of Apr. 11, 1948.

Remarks.--Records good except those above 2,500 cfs, which are fair. Records of chemical analyses and water temperatures for the water year 1955 are given in WSP 1400.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 13 to May 12, June 9 to July 20)

Oct. 1 to Apr. 25		Apr. 26 to Sept. 30	
2.4	1,560	2.2	1,520
6.0	3,570	6.0	4,370

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,000	1,790	*1,700	1,660	1,800	2,110	1,780	2,620	2,170	1,530	1,640	1,820
2	1,980	1,750	1,700	1,640	1,800	2,170	1,830	2,490	2,080	1,530	1,630	1,900
3	2,000	1,770	1,680	1,630	1,800	2,110	1,840	2,420	1,980	1,560	1,630	1,970
4	1,990	1,780	1,700	1,630	1,780	2,060	1,820	2,340	1,950	1,600	1,620	1,960
5	1,960	1,790	1,700	1,630	1,780	2,060	1,800	2,310	1,910	1,560	1,620	1,960
6	1,960	1,770	1,740	1,640	1,770	2,040	1,820	2,260	1,920	1,600	1,630	1,960
7	1,960	1,770	1,720	1,640	1,810	2,020	*1,810	2,210	1,920	1,590	1,630	1,940
8	1,880	1,750	1,700	1,640	1,820	1,970	1,780	2,150	1,920	1,650	1,630	1,980
9	1,860	1,760	1,700	1,650	1,840	1,940	1,760	2,120	1,860	1,670	1,620	1,930
10	1,960	1,750	1,740	1,670	1,870	1,920	1,740	2,090	1,800	1,660	1,610	1,930
11	1,960	1,730	1,720	1,660	1,900	1,940	1,780	2,040	1,750	1,650	1,590	1,950
12	1,960	1,730	1,710	1,630	1,920	1,940	1,780	2,000	1,720	1,650	*1,590	1,970
13	1,960	1,740	1,750	1,580	1,940	1,940	1,780	1,950	1,730	1,670	1,620	2,060
14	1,960	1,750	1,750	*1,810	2,000	1,910	1,840	1,950	1,890	1,570	1,650	2,100
15	1,960	1,760	1,720	1,620	2,070	1,890	1,880	1,970	1,670	1,590	1,690	2,510
16	1,940	1,800	1,710	1,640	2,130	1,880	1,900	1,980	1,650	1,590	1,680	2,950
17	1,920	1,770	1,720	1,680	2,180	1,860	2,150	1,940	1,710	1,620	1,680	3,370
18	1,880	1,750	1,720	1,640	2,250	1,860	2,470	*1,930	1,680	1,650	1,720	3,710
19	1,860	1,750	1,710	1,650	2,370	1,840	2,660	1,940	1,690	1,640	1,740	3,890
20	1,860	1,750	1,680	1,660	2,400	1,860	2,810	1,910	1,680	1,600	1,740	4,010
21	1,860	1,740	1,680	1,650	2,370	1,840	2,980	1,980	1,640	1,590	1,740	4,220
22	1,860	1,740	1,680	1,730	2,360	1,870	3,130	1,970	1,620	1,590	1,730	*4,310
23	1,860	1,750	1,680	1,730	2,330	1,840	3,280	1,960	1,620	1,630	1,740	4,320
24	1,840	1,730	1,690	1,750	*2,300	1,780	3,420	1,910	1,610	1,600	1,720	4,310
25	1,840	1,750	1,690	1,740	2,260	1,800	3,530	1,890	1,610	1,650	1,710	4,230
26	1,840	1,730	1,680	1,770	2,210	1,780	3,500	1,940	1,590	1,650	1,710	4,090
27	*1,840	1,730	1,660	1,780	2,190	1,770	3,340	2,070	1,670	1,650	1,750	3,910
28	1,840	1,760	1,670	1,800	2,160	1,750	3,120	2,170	1,820	1,620	1,740	3,760
29	1,860	1,750	1,660	1,810	-	1,760	2,920	2,240	1,590	1,630	1,750	3,590
30	1,850	1,720	1,670	1,840	-----	1,760	2,740	2,220	*1,550	1,630	1,740	3,490
31	1,800	-----	1,660	1,810	-----	1,770	-----	2,220	-----	1,590	1,750	-----
Total	59,120	52,610	52,690	52,190	57,410	59,040	70,990	65,170	52,560	49,910	52,020	68,100
Mean	1,907	1,754	1,700	1,684	2,050	1,905	2,366	2,102	1,752	1,610	1,678	2,937
Cfsm	0.269	0.247	0.240	0.258	0.289	0.269	0.354	0.296	0.247	0.227	0.237	0.414
In.	0.31	0.28	0.28	0.27	0.30	0.31	0.37	0.34	0.28	0.26	0.27	0.46
Calendar year 1954: Max 15,000 Min 1,660 Mean 3,933 Cfsm 0.555 In. 7.54												
Water year 1954-55: Max 4,320 Min 1,530 Mean 1,950 Cfsm 0.275 In. 3.73												

* Discharge measurement made on this day.

New River near Lake Butler, Fla.

Location.--Lat 30°00', long 82°17', in sec. 2, T. 6 S., R. 20 E., near right bank on downstream side of bridge on State Highway 100, 4.4 miles southeast of town of Lake Butler.

Drainage area.--212 sq mi.

Records available.--January 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 83.8 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 98.4 cfs.

Extremes.--Maximum discharge during year, 378 cfs Feb. 9 (gage height, 6.84 ft); minimum, 0.2 cfs for several days in June; minimum gage height, 0.53 ft June 10, 11, 23, 24, 25, 1950-55; Maximum discharge, 6,470 cfs Sept. 8, 1950 (gage height, 12.02 ft); minimum, 0.2 cfs for several days in June 1955; minimum gage height, 0.52 ft Aug. 20, 21, 1954.

Remarks.--Records excellent.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-4

Oct. 5 to Sept. 30

2.6	34	0.5	0.1	1.6	11	6.0	240
3.7	66	.7	.9	2.0	20	6.5	300
		.8	1.5	3.0	46	7.0	420
		1.0	3.0	4.0	65		
		1.3	6.2	5.0	142		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	4.8	3.4	4.8	24	18	8.3	1.1	2.4	1.4	*75	4.8
2	50	4.6	3.5	4.8	22	16	7.1	1.0	1.5	1.8	79	5.8
3	40	4.3	3.5	4.8	20	15	7.9	.9	1.1	1.2	68	23
4	34	4.2	3.4	*4.6	18	14	7.3	.9	.9	.9	56	44
5	29	4.3	3.3	4.5	16	13	6.4	.9	.8	.8	49	28
6	25	4.4	4.1	4.4	14	12	5.9	.9	.7	1.1	35	19
7	21	4.3	4.2	4.3	71	11	5.4	.8	.5	4.1	25	17
8	25	4.1	4.2	4.2	252	9.8	5.9	.8	.6	21	19	18
9	40	3.9	4.1	4.2	352	8.9	5.0	.8	.4	21	14	17
10	42	3.8	4.1	4.1	236	8.6	4.5	1.1	.2	11	10	13
11	*32	3.8	4.0	4.0	190	8.2	3.7	.9	.8	18	8.2	11
12	27	3.8	4.1	3.8	241	7.9	4.0	.7	1.1	62	7.0	9.6
13	24	3.8	5.2	3.7	250	7.4	3.8	.6	.8	61	6.2	15
14	22	3.7	8.5	3.6	199	7.0	6.3	.6	.7	100	6.6	*51
15	28	3.9	7.4	3.8	152	6.6	12	1.1	.6	123	10	54
16	36	4.0	6.6	3.7	*124	6.2	12	*1.4	.7	188	39	41
17	28	4.2	5.9	5.4	102	5.8	7.3	1.1	.8	240	67	29
18	20	4.8	6.7	8.0	81	5.7	5.3	1.1	.8	139	32	27
19	16	5.1	7.0	15	66	5.4	4.3	.9	.6	88	16	25
20	14	5.0	6.7	14	54	5.0	3.7	.8	*.5	69	9.3	22
21	12	4.5	6.2	10	44	4.8	3.4	.8	.5	54	6.7	18
22	10	4.3	5.9	8.6	37	4.8	2.9	.8	.3	42	5.3	15
23	8.9	*4.3	5.7	18	32	5.0	2.6	.8	.2	34	4.4	12
24	8.2	4.2	5.4	70	28	4.8	2.2	1.2	.2	72	4.0	10
25	7.4	4.0	5.3	114	25	4.8	2.0	1.1	.3	95	5.5	8.3
26	6.9	3.8	5.3	100	22	4.6	1.7	.8	.6	62	14	6.9
27	6.4	3.7	5.2	59	21	4.2	1.5	.7	2.8	44	25	6.4
28	5.9	3.6	5.2	38	19	*5.4	1.4	1.4	1.5	35	24	5.7
29	5.7	3.6	5.2	31	-	16	1.4	3.1	1.4	35	17	5.0
30	5.3	3.5	5.1	28	-----	16	1.2	3.4	1.1	59	9.1	4.4
31	5.1	-----	5.0	26	-----	11	-----	3.4	-----	68	6.2	-----
Total	700.8	124.3	159.4	612.1	2,712	272.9	146.4	35.9	25.4	1,752.3	753.5	565.9
Mean	22.6	4.14	5.14	19.7	96.9	8.80	4.88	1.16	0.85	56.5	24.3	18.9
Cfsm	0.107	0.020	0.024	0.093	0.457	0.042	0.023	0.0055	0.0040	0.267	0.115	0.089
In.	0.12	0.02	0.03	0.11	0.48	0.05	0.03	0.006	0.004	0.31	0.13	0.10

Calendar year 1954: Max 762 Min 0.3 Mean 31.1 Cfsm 0.147 In. 2.00
 Water year 1954-55: Max 352 Min 0.2 Mean 21.5 Cfsm 0.101 In. 1.39

Peak discharge (base, 2,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Santa Fe River at Worthington, Fla.

Location.--Lat 29°55', long 82°26', on line between secs. 32 and 33, T. 6 S., R. 19 E., near center of span (corrected) on downstream side of bridge on State Highway 23, half a mile south of Worthington and three-quarters of a mile downstream from New River.

Drainage area.--630 sq mi, approximately.

Records available.--November 1931 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 42.74 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 16, 1939, staff gage at site a quarter of a mile downstream at same datum. Jan. 17, 1939, to July 23, 1953, wire-weight gage at present site and datum.

Average discharge.--23 years (1932-55), 424 cfs.

Extremes.--Maximum discharge during year, 918 cfs Feb. 11 (gage height, 14.65 ft); minimum, 0.5 cfs June 24 (gage height, 6.74 ft).

1931-55: Maximum discharge, 17,500 cfs June 17, 1934; maximum gage height, 24.94 ft Oct. 21, 1944; minimum discharge, that of June 24, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

6.74	0.5	9.0	121
6.8	1.0	11.0	309
6.9	2.9	13.0	578
7.0	7.2	14.0	756
8.0	55	15.0	1,020

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	322	25	16	21	114	109	58	8.1	8.1	13	*123	32
2	248	23	16	21	102	99	50	7.2	7.6	12	161	59
3	188	22	16	20	93	92	52	6.8	8.1	9.8	168	105
4	146	20	15	*20	85	85	49	6.4	6.4	9.0	146	127
5	121	21	15	20	78	80	43	5.5	5.0	6.8	120	131
6	102	20	18	19	72	75	39	5.0	4.2	9.0	98	113
7	98	21	18	18	177	71	35	4.6	3.3	22	86	90
8	110	20	19	18	494	65	34	4.2	2.3	49	66	79
9	222	19	19	17	672	60	33	3.7	1.8	54	52	68
10	280	18	19	17	802	57	30	3.3	1.2	62	42	59
11	*292	17	18	17	892	53	28	3.7	4.2	140	35	53
12	234	17	18	16	875	50	26	6.8	6.0	122	29	47
13	187	18	22	16	747	46	24	6.0	6.5	119	26	43
14	151	19	31	15	689	43	32	5.0	9.0	140	27	*41
15	131	21	34	15	600	41	60	5.5	6.4	181	30	56
16	114	21	32	15	*520	39	60	*13	5.0	276	32	74
17	103	21	28	22	456	37	48	19	4.2	298	30	80
18	94	25	29	30	384	35	38	15	4.2	382	43	71
19	81	25	28	49	329	33	30	13	6.0	534	54	80
20	69	24	28	58	286	31	24	11	*2.5	508	42	51
21	60	22	28	52	248	28	21	10	1.8	365	32	44
22	53	21	26	46	221	28	18	11	1.0	261	24	39
23	46	*21	25	61	201	28	17	12	.8	195	20	34
24	42	21	24	198	182	28	16	12	.6	168	16	30
25	38	21	24	307	162	26	14	11	1.0	167	20	26
26	35	20	24	324	144	25	13	9.4	1.6	187	37	23
27	33	19	23	308	131	23	12	8.1	6.8	188	36	20
28	18	18	23	261	119	*28	10	6.8	11	179	42	18
29	28	18	23	201	-	57	9.4	7.2	12	144	48	17
30	27	17	23	158	-----	77	8.5	8.1	11	123	45	15
31	28	-----	22	131	-----	71	-----	8.1	-----	107	38	-----
Total	3,701	614	704	2,491	9,875	1,618	931.9	256.5	151.4	5,030.6	1,768	1,705
Mean	119	20.5	22.7	80.4	353	52.2	31.1	8.27	5.05	162	57.0	56.8
Cfsm	0.189	0.035	0.036	0.128	0.560	0.085	0.049	0.013	0.0080	0.257	0.090	0.090
In.	0.22	0.04	0.04	0.15	0.58	0.10	0.06	0.02	0.009	0.30	0.10	0.10
Calendar year 1954: Max			2,200		Min 5.7	Mean 140		Cfsm 0.222	In. 3.03			
Water year 1954-55: Max			892		Min 0.6	Mean 79.0		Cfsm 0.125	In. 1.72			

* Discharge measurement made on this day.

Santa Fe River near High Springs, Fla.

Location--Lat 29°51', long 82°38', in sec. 29, T. 7 S., R. 17 E., near right bank at upstream side of bridge on U. S. Highway 27, 150 ft upstream from Atlantic Coast Line Railroad bridge and 2 miles northwest of High Springs.

Drainage area--950 sq mi, approximately.

Records available--January 1931 to September 1955.

Gage--Water-stage recorder. Datum of gage is 26.36 ft above mean sea level, datum of 1929 (levels by Florida State Road Department). Prior to Jan. 9, 1933, staff gage at same site and datum.

Average discharge--24 years, 773 cfs.

Extremes--Maximum discharge during year, 608 cfs Feb. 14, 15 (gage height, 2.35 ft); minimum daily, 81 cfs Sept. 26-28; minimum gage height, 0.97 ft July 3-7.
1931-55: Maximum discharge, 12,700 cfs Mar. 14, 1948 (gage height, 15.71 ft, from floodmarks); minimum, 71 cfs about June 27, 1935 (gage height, 0.46 ft).

Remarks--Records poor.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	476	223	*163	138	206	326	176	127	117	103	a191	120
2	448	220	171	137	206	305	184	125	116	103	a190	119
3	416	217	166	135	200	293	179	125	117	103	a192	119
4	391	220	161	135	192	281	171	124	117	102	a194	118
5	366	223	161	137	195	271	166	124	118	102	a196	119
6	344	214	163	135	197	267	*166	123	118	102	a199	121
7	317	211	150	132	214	257	161	121	120	103	a200	121
8	313	206	154	131	220	244	159	121	120	106	a200	118
9	309	206	158	131	271	238	154	119	119	103	a199	114
10	330	200	152	131	352	238	156	118	120	103	a196	114
11	344	197	150	130	470	235	158	116	125	107	*192	112
12	357	195	150	129	514	229	156	115	120	112	184	109
13	357	195	156	*127	552	226	154	115	115	114	179	106
14	348	192	152	127	591	217	154	116	116	118	173	103
15	348	195	150	131	608	211	152	114	117	121	163	102
16	305	189	147	135	602	209	154	*114	108	127	158	102
17	301	189	149	138	580	203	154	115	108	137	158	100
18	297	186	156	138	552	200	154	114	107	147	150	100
19	297	189	150	137	525	195	152	113	107	163	145	98
20	289	184	147	134	498	192	152	115	106	203	144	96
21	281	179	147	141	476	189	149	116	106	235	142	94
22	271	179	147	147	465	189	147	116	105	232	141	90
23	261	179	147	152	*432	181	147	115	105	220	138	88
24	261	176	145	154	406	179	142	116	106	209	139	86
25	257	176	144	159	381	188	142	118	106	200	137	84
26	257	171	141	179	366	179	138	118	106	195	132	*81
27	*250	173	142	206	348	163	135	118	107	195	129	a81
28	247	171	142	220	339	171	134	117	106	197	130	81
29	247	a167	142	220	-	171	131	118	*103	a200	126	82
30	235	a165	139	209	-----	168	130	118	103	a197	124	83
31	229	---	138	203	-----	171	-----	117	-----	a192	121	-----
Total	9,749	5,787	4,680	4,658	10,958	6,779	4,607	3,661	3,364	4,651	5,062	3,061
Mean	314	193	151	150	391	219	154	118	112	150	163	102
Cfsm	0.331	0.203	0.159	0.158	0.412	0.231	0.162	0.124	0.118	0.158	0.172	0.107
In.	0.38	0.23	0.18	0.18	0.43	0.27	0.18	0.14	0.13	0.18	0.20	0.12
Calendar year 1954: Max	3,770				Min 138	Mean 497		Cfsm 0.523	In. 7.09			
Water year 1954-55: Max	608				Min 81	Mean 184		Cfsm 0.194	In. 2.62			

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for nearby stations.

SUWANNEE RIVER BASIN

Santa Fe River near Fort White, Fla.

Location.--Lat 29°51', long 82°43', in sec. 28, T. 7 S., R. 16 E., on left bank 2 miles upstream from bridge on State Highway 47, 5 miles south of Fort White, and 15 miles upstream from mouth.

Drainage area.--1,080 sq mi, approximately.

Records available.--October 1927 to January 1930, June 1932 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 20.86 ft above mean sea level (levels by Corps of Engineers). Prior to June 4, 1932, staff gage at several sites within 200 ft of present site at various datums. Oct. 1, 1947, to Feb. 10, 1949, auxiliary wire-weight gage, and since Feb. 11, 1949, auxiliary water-stage recorder, at bridge on State Highway 49, 13.1 miles downstream.

Average discharge.--25 years (1927-29, 1932-55), 1,600 cfs.

Extremes.--Maximum discharge during year, 1,300 cfs Feb. 15; maximum gage height, 1.28 ft Feb. 15, 16, 17; minimum discharge, 724 cfs Sept. 27; minimum gage height, 0.67 ft probably Aug. 31, Sept. 1, 2, from recorded range in stage.
1927-30, 1932-55: Maximum discharge, 12,300 cfs Mar. 14, 1948; maximum gage height, 13.70 ft Apr. 12, 1948; minimum discharge, 670 cfs June 4, 5, 1932; minimum gage height, 0.58 ft June 26-28, July 5, 1935.

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Rating table, water year 1954-55 (gage height, in feet, and
discharge, in cubic feet per second)
(Shifting-control method used Feb. 23, Sept. 13-28)

0.5	658
.7	826
1.3	1,360

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a1,260	949	910	876	933	1,050	926	885	851	809	910	a733
2	a1,240	949	*910	876	933	1,050	933	885	843	809	910	a750
3	a1,220	949	910	876	933	1,040	926	885	843	809	910	758
4	1,200	949	902	876	926	1,040	926	885	843	800	910	758
5	1,170	949	910	876	926	1,040	918	885	843	800	893	a758
6	1,150	941	910	876	926	1,030	910	876	843	800	885	a750
7	1,120	941	893	876	972	1,010	*910	876	843	809	885	a755
8	1,120	933	893	876	965	1,000	910	876	843	826	876	a766
9	1,110	933	902	876	996	996	902	876	843	809	851	a766
10	1,120	926	893	876	1,060	996	910	876	834	818	843	a766
11	1,120	926	885	868	1,160	988	910	876	860	818	*834	766
12	1,140	926	893	868	1,210	980	910	876	851	826	826	766
13	1,130	926	902	*868	1,240	972	910	876	843	834	826	758
14	1,120	926	893	860	1,270	965	918	885	834	843	826	758
15	1,120	926	885	860	1,300	965	910	885	843	851	809	766
16	1,070	926	885	868	1,290	965	910	*885	851	860	800	766
17	1,060	918	893	876	1,270	957	918	876	851	885	792	766
18	1,060	918	893	868	1,250	949	918	876	851	902	784	775
19	1,050	918	885	868	1,210	949	910	868	843	918	775	775
20	1,040	910	876	851	1,170	941	910	860	826	965	775	a766
21	1,030	910	876	851	1,140	941	910	876	818	996	775	a758
22	1,020	910	885	868	1,120	941	910	876	818	996	766	a758
23	1,000	910	885	885	*1,100	926	910	876	818	988	758	*750
24	996	910	885	893	1,090	926	902	876	834	980	775	a741
25	988	910	893	885	1,070	933	902	876	826	972	784	741
26	988	910	893	902	1,070	926	893	860	818	949	775	733
27	980	910	893	941	1,060	902	893	860	826	941	766	724
28	*972	918	885	957	1,060	926	893	860	818	941	a766	741
29	972	910	885	957	-	926	885	860	*809	933	a750	750
30	965	902	885	949	-----	918	885	860	809	926	a741	741
31	957	-----	876	933	-----	926	-----	860	-----	918	a733	-----
Total	33,488	27,739	27,664	27,436	30,650	30,074	27,278	27,108	25,076	27,331	25,309	22,679
Mean	1,080	925	892	885	1,095	970	909	874	836	882	810	756
Cfsm	1.00	0.856	0.826	0.819	1.01	0.898	0.842	0.809	0.774	0.817	0.756	0.700
In.	1.15	0.96	0.95	0.94	1.06	1.04	0.94	0.93	0.86	0.94	0.87	0.78
Calendar year 1954: Max	5,000			Min 876		Mean 1,354		Cfsm 1.25		In. 17.02		
Water year 1954-55: Max	1,300			Min 724		Mean 909		Cfsm 0.842		In. 11.42		

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for nearby streams.

Ichatucknee Springs near Hildreth, Fla.

Location--Lat 29°58', long 82°47', in sec. 23, T. 6 S., R. 15 E., on Ichatucknee River, near center of span on upstream side of bridge on U. S. Highway 27, 1 mile east of Hildreth, 2 miles upstream from mouth, and 2½ miles downstream from head of springs. Records available--1917, 1929-30 (one discharge measurement in each year), January 1931 to September 1955 (discharge measurements only).

Gage--Reference point. Observations of stage below reference point made only when discharge measurements are made.

Extremes--1931-55: Maximum discharge measured, 578 cfs Apr. 29, 1948; minimum measured, 243 cfs Aug. 20, 1935.

Remarks--Discharge measurements made at bridge on U. S. Highway 27. Surface inflow between springs and measuring section is negligible except after heavy rains.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 27.....	330	May 16.....	312
Dec. 1.....	337	June 29.....	287
Jan. 13.....	307	Aug. 11.....	276
Feb. 23.....	327	Sept. 23.....	285
Apr. 6.....	311		

Suwannee River near Bell, Fla.

Location--Lat 29°48', long 82°55', in sec. 16 or 17, T. 8 S., R. 14 E., on left bank at Rock Bluff Ferry, 4½ miles northwest of Bell and 10 miles downstream from Santa Fe River.

Drainage area--9,260 sq mi, approximately.

Records available--June 1932 to September 1955.

Gage--Water-stage recorder. Datum of gage is 3.60 ft above mean sea level (levels by Corps of Engineers).

Average discharge--23 years, 8,708 cfs.

Extremes--Maximum discharge during year, 5,250 cfs Sept. 22 (gage height, 3.82 ft); minimum, 2,680 cfs Aug. 12 (gage height, 1.37 ft).

1932-55: Maximum discharge, 82,300 cfs Apr. 13, 1948 (gage height, 27.43 ft); minimum, that of Aug. 12, 1955; minimum gage height, 1.03 ft Dec. 17, 18, 1943.

Remarks--Records good.

Revisions (water years)--WSP 822: 1928(M).

Rating table, water year 1954-55 (gage height, in feet, and
discharge, in cubic feet per second)
(Shifting-control method used Dec. 18 to Jan. 17)

1.4	2,710
4.0	5,440

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,750	3,340	2,950	3,090	3,270	3,990	3,230	3,980	3,360	2,840	2,970	2,970
2	3,670	3,350	*2,980	3,100	3,350	3,940	3,450	3,890	3,250	2,860	2,920	3,140
3	3,760	3,210	2,840	3,050	3,370	3,630	3,540	3,760	3,230	2,860	2,860	3,240
4	3,730	3,200	2,950	3,050	3,220	3,610	3,510	3,690	3,270	2,860	2,890	3,170
5	3,640	3,330	3,050	3,140	3,150	3,610	3,430	3,680	3,270	2,890	2,890	3,140
6	3,600	3,210	3,460	3,200	3,600	3,800	3,410	3,650	3,300	2,910	2,860	3,110
7	3,580	3,190	3,040	3,250	3,990	3,790	3,430	3,590	3,330	2,970	2,850	3,160
8	3,510	3,210	2,940	3,220	3,680	3,620	*3,370	3,550	3,360	3,020	2,820	3,180
9	3,510	3,220	3,130	3,280	3,500	3,550	3,270	3,510	3,280	3,020	2,800	3,030
10	3,550	3,230	3,250	3,370	3,470	3,630	3,250	3,460	3,220	2,960	2,770	3,020
11	3,630	3,130	3,090	3,480	3,940	3,660	3,300	3,380	3,320	2,930	2,730	3,060
12	3,760	3,170	3,110	3,250	3,900	3,680	3,310	3,280	3,260	3,000	*2,770	3,080
13	3,770	3,230	3,340	3,240	3,780	3,620	3,310	3,250	3,110	2,970	2,890	3,180
14	3,730	3,280	3,330	*3,110	3,870	3,550	3,420	3,250	3,020	2,820	2,900	3,210
15	3,660	3,370	3,130	3,130	4,070	3,480	3,370	3,260	3,000	2,610	2,880	3,320
16	3,570	3,440	3,050	3,210	4,200	3,460	3,260	3,210	3,020	2,830	2,630	3,770
17	3,460	3,350	3,080	3,240	4,260	3,440	3,410	*3,200	3,040	2,910	2,690	4,250
18	3,410	3,250	3,220	3,060	4,310	3,420	3,700	*3,250	3,050	2,940	2,950	4,520
19	3,410	3,210	3,110	3,350	4,180	3,430	4,020	3,260	3,160	2,980	2,940	4,700
20	3,360	3,230	2,990	2,940	4,230	3,430	4,260	3,320	3,150	3,020	2,940	5,000
21	3,370	3,150	2,990	2,900	*4,270	3,540	4,460	3,420	3,050	3,050	2,930	5,130
22	3,410	3,170	3,060	3,180	4,310	3,660	4,660	3,420	3,000	3,100	2,910	*5,200
23	3,450	3,260	3,190	3,240	4,300	3,390	4,610	3,360	2,990	3,080	2,910	5,210
24	3,410	3,210	3,230	3,190	4,240	3,400	4,990	3,270	2,990	3,040	2,890	5,210
25	3,410	3,210	3,150	3,170	4,120	3,450	5,140	3,260	2,920	3,100	2,690	5,160
26	3,440	3,130	3,120	3,180	4,020	3,500	5,050	3,250	2,890	3,020	2,970	5,080
27	3,480	3,110	3,130	3,300	4,010	3,260	4,870	3,370	2,950	2,910	2,850	4,930
28	*3,520	3,250	3,160	3,420	4,000	3,200	4,660	3,460	2,890	2,820	2,630	4,800
29	3,610	3,280	3,230	3,440	-	3,230	4,410	3,480	2,770	2,600	2,780	4,700
30	3,510	3,020	3,230	3,370	-----	3,160	4,160	3,450	*2,740	2,830	2,780	4,600
31	3,370	-----	3,090	3,300	-----	3,140	-----	3,410	-----	2,900	2,890	-----
Total	110,040	96,940	96,740	99,450	108,630	109,670	116,460	106,550	93,190	91,050	88,980	119,340
Mean	3,550	3,231	3,121	3,208	3,880	3,544	3,882	3,437	3,106	2,937	2,870	3,978
Cfsm	0.383	0.349	0.337	0.346	0.419	0.383	0.419	0.371	0.335	0.317	0.310	0.430
In.	0.44	0.39	0.39	0.40	0.44	0.44	0.47	0.43	0.37	0.37	0.36	0.48

Calendar year 1954: Max 18,600 Min 2,940 Mean 6,130 Cfsm 0.662 In. 8.99
Water year 1954-55: Max 5,210 Min 2,730 Mean 3,390 Cfsm 0.366 In. 4.98

* Discharge measurement made on this day.

Note.--Discharge computed from graph of once-daily observer's readings and recorded range in stage Feb. 7-21, Mar. 20 to Apr. 3, Apr. 5-8.

Suwannee River near Wilcox, Fla.

Location.--Lat 29°36', long 82°56', in sec. 29, T. 10 S., R. 14 E., on left bank about 400 ft downstream from Fort Fannin Bridge on U. S. Highway 19 and 2 miles southwest of Wilcox.

Drainage area.--About 9,500 sq mi.

Records available.--October 1930 to September 1931, March 1942 to September 1955 (fragmentary March 1942 to January 1951).

Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to July 4, 1931, staff gage at site 400 ft upstream at same datum. July 4 to Sept. 30, 1931, and Mar. 26 to May 14, 1942, water-stage recorder at present site and datum. May 15, 1942, to Jan. 24, 1951, staff gage at present site and datum. Since Feb. 1, 1951, auxiliary water-stage recorder about 9 miles downstream.

Extremes.--Maximum daily discharge during year, 5,890 cfs Apr. 26; maximum gage height, 4.19 ft Apr. 24; minimum daily discharge, 3,680 cfs Aug. 25.
1930-31, 1942-55: Maximum discharge, 84,700 cfs Apr. 14, 1948 (gage height, 22.32 ft); minimum not determined.

Remarks.--Records fair. Flow affected by tide for discharges less than 12,000 cfs.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,570	4,130	3,810	3,890	4,050	4,550	4,100	4,660	4,310	4,030	4,030	3,990
2	4,240	4,230	3,840	3,890	4,160	4,710	4,240	4,750	4,120	4,060	3,980	4,060
3	4,260	4,100	3,880	3,930	4,240	4,600	4,690	4,680	4,090	3,990	3,980	4,300
4	4,420	3,780	3,740	3,890	4,150	4,550	*4,350	4,500	4,230	4,040	4,000	4,230
5	4,280	4,260	3,880	3,960	3,720	4,610	4,390	4,540	4,220	4,090	4,020	4,140
6	4,160	3,990	5,160	4,100	4,400	4,540	4,310	4,500	4,280	4,150	4,000	4,150
7	4,490	4,050	4,070	4,290	5,020	4,730	4,440	4,540	4,190	4,200	4,030	4,130
8	4,130	4,180	3,890	4,070	4,670	4,400	4,410	4,520	4,340	4,260	*3,940	4,180
9	4,100	4,150	4,140	4,210	4,220	4,270	4,330	4,480	4,330	4,310	3,940	4,090
10	4,180	4,330	4,540	*4,090	4,130	4,520	4,150	4,540	4,260	4,230	3,900	3,890
11	4,300	3,960	4,120	4,310	4,620	4,430	4,230	4,420	4,290	4,070	3,820	4,090
12	4,510	4,050	4,050	4,040	4,620	4,570	4,270	4,230	4,320	4,060	3,860	3,910
13	4,490	4,150	4,200	4,130	4,240	4,510	4,120	4,210	4,210	4,270	4,000	4,170
14	4,590	3,900	4,310	3,860	4,300	4,360	4,420	4,240	4,110	3,960	3,980	4,170
15	4,420	4,140	4,020	3,690	4,590	4,270	4,440	4,330	4,100	4,060	3,980	4,210
16	4,390	4,290	3,940	3,860	4,720	4,250	4,200	4,160	4,180	4,070	3,990	4,280
17	4,170	4,100	3,800	4,070	4,820	4,260	4,240	4,270	4,190	3,990	4,080	4,670
18	4,110	4,030	4,220	3,990	4,890	4,220	4,560	4,410	4,100	4,140	4,120	4,320
19	4,000	4,060	4,110	4,910	4,660	4,230	4,920	*4,260	4,200	4,130	4,130	*5,040
20	3,930	4,190	3,920	3,950	4,770	4,230	4,340	4,400	4,310	4,280	4,120	5,310
21	3,940	4,070	3,860	3,750	*4,860	4,360	5,130	4,440	4,190	4,300	4,090	5,500
22	4,130	4,080	3,900	4,230	4,890	4,800	5,320	4,570	4,140	4,180	3,990	5,610
23	4,160	4,400	4,140	4,340	4,870	4,440	5,470	4,520	4,160	4,240	3,960	5,500
24	4,090	4,100	4,280	4,060	4,890	4,250	5,650	4,470	4,250	4,150	3,940	5,470
25	*4,240	4,290	4,290	4,140	4,730	4,270	5,800	4,370	4,090	4,310	3,680	5,500
26	4,280	4,210	4,030	4,080	4,620	4,440	5,890	4,270	4,060	4,240	3,960	5,440
27	4,380	3,980	4,050	4,090	4,730	4,400	5,700	4,350	*4,150	4,040	3,780	5,220
28	4,220	4,180	4,010	4,230	4,610	4,090	5,490	4,360	4,010	3,830	3,860	5,100
29	4,340	*4,440	4,110	4,220	-	4,140	5,170	4,390	3,940	3,800	3,820	5,100
30	4,470	4,020	4,170	4,220	-----	4,020	4,990	4,310	3,850	3,860	3,830	4,970
31	4,160	-----	3,950	4,100	-----	3,980	-----	4,410	-----	3,910	3,940	-----
Total	132,150	123,640	126,410	126,730	127,160	136,000	142,250	137,070	125,210	127,230	122,690	139,330
Mean	4,263	4,128	4,078	4,088	4,541	4,387	4,742	4,422	4,174	4,104	3,958	4,644
Cfsm	0.449	0.435	0.429	0.430	0.478	0.462	0.499	0.465	0.439	0.432	0.417	0.489
In.	0.52	0.48	0.49	0.50	0.50	0.53	0.56	0.54	0.49	0.50	0.48	0.55

Calendar year 1954: Max 18,700 Min 3,740 Mean 6,911 Cfsm 0.727 In. 9.87
Water year 1954-55: Max 5,890 Min 3,680 Mean 4,291 Cfsm 0.452 In. 6.14

* Discharge measurement made on this day.

Steinhatchee River near Cross City, Fla.

Location (revised)--Lat 29°47'11", long 83°19'18", in NE¹ sec. 16, T. 8 S., R. 10 E., on right bank 0.7 mile downstream from Atlantic Coast Line Railroad bridge, 0.7 mile south of Clara, and 16 miles northwest of Cross City.

Drainage area--360 sq mi, approximately.

Records available--February 1950 to September 1955.

Gage--Water-stage recorder. Datum of gage is 7.84 ft above mean sea level, datum of 1929.

Average discharge--5 years, 251 cfs.

Extremes--Maximum discharge during year, 687 cfs Feb. 13 (gage height, 7.30 ft); minimum, 6.5 cfs June 23, 24 (gage height, 2.44 ft).

1950-55: Maximum discharge, 3,740 cfs Sept. 30, Oct. 1, 1953 (gage height, 15.39 ft); minimum, 3.4 cfs June 27, 28, 1950; minimum gage height, 2.44 ft June 27, 28, 1950, June 23, 24, 1955.

Remarks--Records fair. Records include flow for main channel only.

Revisions (water years)--WSP 1234: 1950.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 8-30)

Oct. 1 to Feb. 13				Feb. 14 to Aug. 7				Aug. 8 to Sept. 30			
2.5	11	3.0	56	2.4	5.2	2.8	32	2.6		7.2	
2.6	16	4.0	181	2.5	9.6	4.0	181	2.7		16	
2.7	23	8.0	794	2.6	15	8.0	794	3.0		52	
2.9	44							6.0		488	

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	148	13	12	33	121	152	42	11	9.6	25	43	65
2	132	13	12	32	116	141	40	10	9.0	34	59	187
3	170	13	12	31	110	128	51	10	8.4	32	79	362
4	190	13	12	30	103	118	*49	9.6	8.4	23	68	422
5	180	13	12	29	96	109	46	9.6	8.4	20	53	400
6	153	13	13	29	90	100	46	9.6	8.4	17	49	339
7	130	13	15	28	166	93	40	9.6	8.4	15	102	291
8	115	13	16	27	320	81	38	9.6	7.9	13	*115	260
9	109	12	16	26	362	72	34	9.0	7.9	14	93	226
10	96	12	16	*25	383	65	30	9.0	7.4	14	64	196
11	85	12	16	24	540	59	29	9.0	7.4	13	44	176
12	74	12	16	24	656	54	28	8.4	7.4	18	29	160
13	63	12	22	23	684	51	26	7.9	6.8	21	28	168
14	54	12	44	22	662	48	30	7.4	6.8	19	30	168
15	45	12	52	21	607	45	48	9.0	6.8	17	26	192
16	37	14	54	20	554	40	47	12	7.4	16	23	158
17	31	15	49	25	500	38	40	15	7.9	16	18	146
18	28	15	50	33	452	36	34	14	6.8	20	12	138
19	24	15	50	45	404	34	30	*12	6.8	20	11	*121
20	22	14	49	49	362	32	26	12	6.8	17	9.7	106
21	20	14	46	48	328	29	22	13	6.8	14	10	86
22	18	14	44	48	299	28	20	14	6.8	14	17	71
23	17	14	42	70	270	30	18	13	6.8	15	15	56
24	16	14	41	122	*245	29	17	12	6.8	17	16	59
25	*15	13	40	163	222	28	15	11	12	21	30	86
26	14	13	40	163	201	26	14	10	13	32	41	114
27	14	12	39	161	184	24	13	10	*19	46	52	128
28	13	12	37	150	166	25	12	10	21	42	53	126
29	14	*12	36	143	-	45	12	9.6	21	34	44	114
30	14	12	35	134	-----	49	12	10	17	32	35	99
31	14	-----	34	128	-----	47	-----	9.6	-----	30	34	-----
Total	2,055	391	971	1,906	9,203	1,857	909	325.9	284.9	681	1,302.7	5,220
Mean	66.3	13.0	31.3	61.5	329	59.9	30.3	10.5	9.50	22.0	42.0	174
Cfsm	0.184	0.035	0.087	0.171	0.914	0.166	0.084	0.029	0.026	0.061	0.117	0.483
In.	0.21	0.04	0.10	0.20	0.95	0.19	0.09	0.03	0.03	0.07	0.13	0.54
Calendar year 1954: Max		2,580			Min 9.8		Mean 173	Cfsm 0.481	In. 6.51			
Water year 1954-55: Max		684			Min 6.8		Mean 68.8	Cfsm 0.191	In. 2.58			

* Discharge measurement made on this day.

FENHOLLOWAY RIVER BASIN

Fenholloway River at Foley, Fla.

Location.--Lat 30°04', long 83°32', in sec. 9, T. 5 S., R. 8 E., on right bank 700 ft upstream from highway bridge in Foley.

Drainage area.--180 sq mi, approximately.

Records available.--September 1946 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 29.36 ft above mean sea level, datum of 1929. Prior to June 24, 1947, staff gage, and June 25, 1947, to Jan. 19, 1954, water-stage recorder, at site 700 ft downstream at same datum.

Extremes.--Maximum discharge during year, 258 cfs Sept. 6 (gage height, 11.86 ft), minimum daily, 10 cfs Dec. 26.

1946-55: Maximum discharge, 2,640 cfs Mar. 10, 1948 (gage height, 16.03 ft); minimum, 5.1 cfs Oct. 15, 1950; minimum gage height, 6.40 ft Jan. 8, 9, 1950.

Remarks.--Records poor. Since Feb. 1, 1954, natural flow of stream affected by large ground-water withdrawals by cellulose plant just upstream. Records include return flow from plant.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	55		36	35	39	36	31	36	*58	96	46
2	53	54		36	36	38	38	30	28	90	88	55
3	52	54	45	34	35	36	40	29	27	100	75	94
4	55	53		20	32	36	39	34	27	122	71	142
5	55	55		18	33	36	39	34	28	132	65	194
6	55	52	45	19	33	36	40	35	23	115	63	253
7	55	55	47	19	38	34	*59	33	29	136	59	210
8	50	54	49	26	45	30	39	32	28	110	*54	162
9	53	56	*51	35	32	32	39	33	30	116	52	138
10	58	52	47	35	46	34	38	32	35	128	47	116
11	59	52	47	.34	44	34	38	32	36	135	49	98
12	56	52	48	34	48	33	34	29	31	152	47	84
13	58	52	49	*32	49	33	34	26	34	135	51	120
14	55	48	50	31	41	35	36	30	27	130	53	165
15	56	47	50	31	44	29	36	29	24	112	57	224
16	55	50	34	32	42	26	36	35	34	68	54	207
17	56	52	43	32	40	30	36	34	36	64	42	172
18	56	48	40	32	38	34	37	36	32	55	46	155
19	55	50	39	34	39	34	36	*36	35	44	43	148
20	57	50	38	36	38	35	32	34	34	40	40	138
21	*55	49	36	34	36	35	29	34	35	35	43	125
22	60	48	49	34	25	33	17	36	36	33	41	108
23	59	47	49	36	39	30	14	36	34	29	41	*94
24	54	50	38	42	*41	29	21	35	31	37	40	84
25	43	48	11	46	38	27	33	33	34	49	36	78
26	32	48	10	46	40	27	33	35	35	60	42	84
27	30	48	12	44	40	32	34	34	37	64	46	75
28	31	48	25	42	39	37	33	34	51	62	47	74
29	30	46	34	38	-	36	31	36	50	63	48	71
30	35	45	36	36	-	36	33	36	49	61	43	66
31	43	-	36	29	-	38	-	25	-	65	41	-
Total	1,571	1,518	1,237	1,033	1,106	1,031	1,020	1,018	1,006	2,600	1,608	3,780
Mean	50.7	50.6	39.9	33.3	39.5	33.3	34.0	32.8	33.5	83.9	51.9	126
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	300			Min 10		Mean 57.5	Cfsm -	In. -				
Water year 1954-55: Max	253			Min 10		Mean 50.8	Cfsm -	In. -				

Peak discharge (base, 400 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--No gage-height record Nov. 30, Dec. 1-5, 8, 9, Apr. 26 to May 19, July 4-16, Sept. 15, 16; discharge estimated on basis of 2 discharge measurements, records for nearby stations, and return flow from Cellulose plant upstream.

Spring Creek near Perry, Fla.
(Formerly published as Rocky Creek near Perry)

Location (revised).--Lat 30°04'48", long 83°39'47", in NE $\frac{1}{4}$ sec. 6, T. 5 S., R. 7 E., on left bank 3 ft downstream from bridge on former location of State Highway 30 at former Hampton Springs Hotel and 5.8 miles southwest of Perry.

Drainage area.--160 sq mi, approximately.

Records available.--August 1946 to September 1955, (discharge measurements only), discontinued. Prior to October 1954, published as Rocky Creek near Perry.

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 10.54 ft above mean sea level (unadjusted). Prior to Dec. 7, 1951, reference points at same site at various datums.

Extremes.--1946-55: Maximum discharge measured, 1,920 cfs Mar. 11, 1948; minimum measured, 19.1 cfs June 30, 1955.

Discharge measurements, in cubic feet per second, water year
October 1954 to September 1955

Oct. 18.....	34.5	May 16.....	21.3
Dec. 6.....	32.7	June 30.....	19.1
Jan. 10.....	32.4	Aug. 9.....	77.0
Feb. 21.....	52.7	Sept. 23.....	137
Apr. 4.....	33.0		

ECONFINA RIVER BASIN*

Econfina River near Perry, Fla.

Location (revised).--Lat 30°10'14", long 83°49'28", in NE $\frac{1}{4}$ sec. 4, T. 4 S., R. 5 E., on right bank 10 ft downstream from highway bridge, 3.0 miles downstream from Natural Well Branch, 3.9 miles upstream from bridge on U. S. Highway 98, and 14.7 miles northwest of Perry.

Drainage area.--230 sq mi, approximately.

Records available.--February 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 14.35 ft above mean sea level, unadjusted.

Average discharge.--5 years, 89.6 cfs.

Extremes.--Maximum discharge during year, 164 cfs Sept. 21 (gage height, 5.56 ft); minimum, 2.3 cfs July 8 (gage height, 1.91 ft), may have been less during period of doubtful gage-height record.

1950-55: Maximum discharge, 758 cfs Apr. 17, 1953 (gage height, 10.75 ft); minimum, that of July 8, 1955.

Remarks.--Records fair except those for period of doubtful gage-height record, which are poor. Records are for flow in main channel only.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	12	9.8	11	19	19	12	9.8	6.2	d3.1	23	27
2	19	12	9.6	11	20	19	14	9.6	6.2	d3.0	26	30
3	19	11	9.4	11	19	18	15	9.4	6.0	d2.8	27	33
4	19	11	9.4	11	19	18	*14	9.2	5.8	d2.6	27	36
5	18	12	9.4	10	19	17	14	9.0	5.8	d2.5	26	42
6	18	12	*11	10	19	17	13	8.8	5.7	d2.6	26	48
7	18	12	*9.8	10	23	17	13	8.5	5.7	d2.6	25	54
8	17	11	9.6	9.8	23	16	13	8.3	5.6	d2.4	24	62
9	17	11	10	*9.8	24	16	13	8.3	5.4	d2.6	*25	65
10	16	11	11	*9.8	25	16	12	7.9	5.2	d2.9	24	60
11	16	11	9.8	9.6	25	15	12	7.7	5.2	4.4	23	55
12	16	11	9.8	9.4	24	15	13	7.4	5.1	4.6	24	61
13	15	11	11	9.0	23	15	12	7.2	4.8	4.2	26	61
14	15	11	11	8.5	23	15	14	7.4	4.6	4.2	32	60
15	15	11	11	8.5	23	15	15	7.4	4.5	4.0	38	60
16	14	11	11	9.0	22	15	15	*7.7	5.0	3.8	39	63
17	14	11	11	9.2	22	14	15	8.1	5.2	4.8	37	74
18	*14	11	11	9.8	22	14	16	7.7	5.0	4.0	34	96
19	13	11	11	11	22	13	15	*7.4	4.8	3.5	32	128
20	13	11	11	11	21	13	14	7.2	4.5	3.3	30	155
21	13	11	11	12	*21	13	14	7.4	4.4	3.1	29	163
22	13	11	11	13	21	13	14	7.4	4.2	3.6	28	154
23	13	11	11	13	20	12	13	7.2	4.1	3.8	28	*134
24	13	11	11	15	20	12	13	7.0	4.0	3.6	28	115
25	12	11	11	18	20	12	12	7.0	3.7	4.2	28	98
26	12	11	11	20	20	12	12	7.0	3.6	5.1	28	84
27	12	10	11	20	19	11	11	6.7	*3.6	6.3	28	71
28	12	10	12	20	19	12	11	6.7	3.6	7.2	27	60
29	12	10	12	20	-	13	11	6.5	3.4	8.5	27	51
30	12	10	12	20	-----	12	10	6.5	d3.1	11	26	45
31	12	-----	12	20	-----	12	-----	6.3	-----	15	26	-----
Total	461	331	331.6	389.4	597	451	395	239.7	144.0	139.3	871	2,245
Mean	14.9	11.0	10.7	12.6	21.3	14.5	13.2	7.73	4.80	4.49	28.1	74.8
Cfsm	0.065	0.048	0.047	0.055	0.092	0.063	0.057	0.034	0.021	0.020	0.122	0.325
In.	0.07	0.05	0.05	0.06	0.10	0.07	0.06	0.04	0.02	0.02	0.14	0.36

Calendar year 1954: Max 330 Min 9.4 Mean 39.5 Cfsm 0.172 In. 2.32
Water year 1954-55: Max 163 Min 2.4 Mean 18.1 Cfsm 0.079 In. 1.04

* Discharge measurement made on this day.
d Computed from doubtful gage-height record.

AUCILLA RIVER BASIN

Aucilla River at Lamont, Fla.

Location.--Lat 30°22', long 83°48', in sec. 26, T. 1 S., R. 5 E., near left bank on downstream side of bridge on U. S. Highway 19, 0.6 mile southeast of Lamont.

Drainage area.--680 sq mi, approximately.

Records available.--February 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 42.90 ft above mean sea level, unadjusted.

Average discharge.--5 years, 131 cfs.

Extremes.--Maximum discharge during year, 13 cfs Jan. 25 (gage height, 1.89 ft); no flow for many days.

1950-55: Maximum discharge, 1,640 cfs Apr. 16, 1953 (gage height, 10.64 ft); no flow for many days in 1955.

Remarks.--Records fair except those below 4 cfs, which are poor. Pumpage above and below station for irrigation during dry seasons.

Revisions.--WSP 1204: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	2.7	6.4	2.9	5.1	3.8	2.9	0.8	0.1	0.4	0.7	0.5
2	4.0	2.7	6.4	2.7	4.8	3.8	2.9					
3	4.2	2.6	6.2	2.6	4.8	3.8	2.9					
4	4.2	2.4	6.2	2.3	4.5	3.5	3.1	.6	0	.3	.6	
5	4.0	2.7	6.9	2.3	4.5	3.5	2.9	.4	0	.3	.4	1.5
6	3.8	2.7	7.6	2.1	4.8	3.3	2.7	.4	0	.3	.3	1.2
7	3.6	2.9	7.6	2.0	9.3	3.1	*2.4	.4	0	.4	.2	.9
8	3.4	2.9	7.4	2.0	12	2.9	2.1	.6	0	.4	.1	.7
9	3.2	2.9	*7.4	1.9	10	2.9	1.9	.7	0	.3	.1	.6
10	3.0	2.7	7.6	1.9	8.8	2.7	1.8	.7	0	.3	0	.4
11	3.0	2.7	7.4	1.6	7.9	2.7	2.0	.7	0	.2	0	.4
12	3.2	2.7	7.1	*1.8	7.0	2.7	3.1	.4	0	.2	*0	.5
13	3.4	2.9	8.4	1.8	6.5	2.9	5.3	.1	0	.3	0	.9
14	3.2	3.0	8.9	1.6	5.9	2.6	6.2	.4	0	.3	.1	1.5
15	2.9	3.6	9.2	1.6	5.9	2.6	5.9	1.6	0	.2	.1	1.6
16	2.7	4.6	7.9	1.8	5.3	2.4	5.6	2.6	0	.2	0	1.5
17	2.6	5.0	6.7	2.7	5.3	2.6	4.0	2.1	0	.1	0	2.4
18	2.4	5.0	6.2	5.1	5.3	2.6	2.9	*1.6	0	.1	0	4.5
19	2.4	4.6	5.6	8.2	4.8	2.4	2.3	1.6	0	0	0	3.5
20	2.4	4.6	5.3	8.5	4.5	2.4	1.9	1.6	.6	0	0	2.9
21	*2.4	5.2	5.1	6.7	4.5	2.4	1.8	1.5	.5	.1	0	2.7
22	2.4	5.7	5.1	6.2	4.5	2.7	1.6	1.5	.4	.2	0	2.4
23	2.4	6.6	4.8	7.0	*4.2	2.7	1.5	1.4	.2	.2	0	*2.0
24	2.4	6.9	4.5	10	4.0	2.9	1.4	1.4	.1	.4	0	1.8
25	2.2	7.4	4.2	13	4.0	2.6	1.2	1.1	.1	.6	.1	1.6
26	2.1	7.1	4.0	11	4.0	2.3	1.2	.6	.1	.7	0	1.9
27	2.1	6.9	4.0	9.3	3.8	2.1	1.0	.5	.1	.8	0	2.1
28	2.2	6.4	3.3	7.9	3.8	2.9	1.0	.3	.1	.6	0	2.0
29	3.4	6.4	3.3	7.0	-	3.8	1.0	.2	0	.6	0	1.8
30	3.4	6.4	3.3	5.9	-----	4.2	.9	.1	*0	.6	0	1.6
31	3.2	-----	3.1	5.6	-----	3.5	-----	-----	-----	.8	.2	-----
Total	94.0	130.9	187.1	147.0	159.8	91.3	77.4	27.5	2.3	10.6	4.1	47.2
Mean	3.03	4.36	6.04	4.74	5.71	2.95	2.58	0.89	0.08	0.34	0.13	1.57
Cfsm	0.0045	0.0064	0.0089	0.0070	0.0084	0.0043	0.0038	0.0013	0.00012	0.00050	0.00019	0.0023
In.	0.005	0.007	0.01	0.008	0.009	0.005	0.004	0.002	0.0001	0.0006	0.0002	0.003

Calendar year 1954: Max 829 Min 2.1 Mean 76.2 Cfsm 0.112 In. 1.51
 Water year 1954-55: Max 13 Min 0 Mean 2.68 Cfsm 0.00394 In. 0.05

* Discharge measurement or observation of no flow made on this day.

ST. MARKS RIVER BASIN

Wakulla Spring near Crawfordville, Fla.

Location.--Lat 30°14', long 84°18', in sec. 11, T. 3 S., R. 1 W., on right bank 500 ft downstream from head of spring, 6 miles northeast of Crawfordville, and 14 miles south of Tallahassee.

Records available.--1917, 1929, 1930 (one discharge measurement in each year), February 1931 to June 1932, July 1941 to September 1955 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. July 17, 1931, to July 27, 1932, water-stage recorder at same site and datum.

Extremes.--1931-32, 1941-55: Maximum discharge measured, 892 cfs Aug. 18, 1948; minimum measured, 25.2 cfs June 18, 1931.

Remarks.--Discharge measurements of Wakulla River made at bridge 3 miles below spring and of inflow through 2 culverts near head of spring and of McBrides Slough, 1½ miles below spring. The discharge of spring is difference between that of river and the combined inflow at head of spring and slough. Slight tide effect at station.

Discharge measurements, in cubic feet per second, water year October 1954 to September 1955

Date	Wakulla River	McBrides Slough and other surface inflow	Difference or spring flow
Oct. 18.....	216	**0.5	216
Dec. 6.....	500	24.8	475
Jan. 10.....	316	**2	314
Feb. 21.....	184	**2	182
Apr. 4.....	252	9.5	243
May 16.....	96.2	0	96.2
June 27.....	560	9.2	551
Aug. 9.....	211	9.5	202
Sept. 22.....	244	20	224

** Field estimate.

Ochlockonee River near Thomasville, Ga.

Location.--Lat 30°52', long 84°03', on downstream side of left bank pier of bridge on U. S. Highway 84, 2 miles upstream from Atlantic Coast Line Railroad bridge, 4 miles upstream from Barnett's Creek, 5 miles northwest of Thomasville, Thomas County, and 6 miles downstream from Little Ochlockonee River.

Drainage area.--550 sq mi, approximately.

Records available.--August 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 133.6 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Jan. 7, 1947, wire-weight gage at same site and datum.

Average discharge.--18 years, 444 cfs.

Extremes.--Maximum discharge during year, 1,800 cfs Apr. 18 (gage height, 11.2 ft); minimum, 3.4 cfs Oct. 24, 25.

1937-55: Maximum discharge, 72,000 cfs Apr. 2, 1948 (gage height, 29.1 ft, from floodmark), from rating curve extended above 25,000 cfs by logarithmic plotting; minimum observed, 2.6 cfs Oct. 17, 18, 1938.

Remarks.--Records good.

Revisions (water years).--WSP 1112: 1937, 1939, 1945(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 18-24)

Oct. 1 to May 24				May 25 to Sept. 30			
0.0	2.4	3.0	169	0.2	8.0	2.0	95
.1	3.7	5.0	388	.3	10	3.0	184
.3	7.4	7.0	710	.7	23	5.0	443
.5	13	10.0	1,420	1.0	35	7.0	786
1.0	32	12.0	2,090				
1.5	58						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	4.0	21	24	156	127	51	94	78	14	84	23
2	4.0	3.9	18	24	139	123	50	82	64	21	107	25
3	4.4	3.9	15	23	127	115	50	72	55	46	92	37
4	4.0	3.9	14	23	115	111	44	64	48	99	80	26
5	3.9	4.7	12	22	111	108	44	59	42	69	71	33
6	4.0	4.9	26	22	111	104	46	52	36	39	57	40
7	6.0	4.7	18	22	217	97	47	46	*33	26	51	49
8	7.4	4.2	18	21	316	90	47	42	29	20	48	42
9	6.4	4.0	20	20	427	86	43	49	28	24	40	50
10	7.0	4.7	20	21	530	93	43	42	25	46	69	24
11	7.0	4.7	23	26	*600	77	97	36	23	127	51	19
12	6.4	4.7	26	23	600	73	557	32	22	154	38	18
13	6.0	4.7	30	21	545	71	855	28	19	107	31	17
14	5.6	4.9	35	20	455	68	1,160	27	18	103	36	16
15	5.4	5.2	39	21	364	*65	1,420	32	18	83	33	15
16	4.7	5.8	47	28	316	63	1,480	53	17	72	27	14
17	4.2	8.7	54	44	270	62	1,660	66	16	64	20	15
18	3.7	7.9	54	75	237	58	1,800	276	16	58	17	16
19	3.7	11	42	202	222	58	1,570	264	25	48	16	13
20	4.0	15	34	169	207	56	1,180	169	18	40	16	*11
21	4.0	11	32	169	197	53	790	123	15	57	17	12
22	4.2	8.7	31	169	182	57	530	169	14	92	15	12
23	4.2	9.5	30	178	168	56	500	13	136	14	13	
24	3.7	12	29	212	160	58	304	690	13	95	23	13
25	*3.5	9.2	28	232	151	86	237	696	12	*174	74	12
26	3.7	8.4	28	237	139	90	192	507	12	216	140	14
27	4.0	9.0	*27	242	135	77	*160	268	24	244	75	12
28	4.2	17	26	232	127	68	139	184	29	184	48	11
29	4.6	23	26	202	-	66	119	154	19	123	36	10
30	4.9	24	27	182	-----	60	104	119	15	103	29	9.9
31	4.7	-----	25	169	-----	56	-----	92	-----	87	*25	-----
Total	147.7	247.3	875	3,075	7,325	2,420	15,207	5,086	796	2,771	1,480	601.9
Mean	4.76	8.24	28.2	99.2	262	78.1	507	164	26.5	89.4	47.7	20.1
Cfsm	0.0087	0.015	0.051	0.180	0.476	0.142	0.922	0.298	0.048	0.163	0.087	0.037
In.	0.01	0.02	0.06	0.21	0.50	0.16	1.03	0.34	0.05	0.19	0.10	0.04

Calendar year 1954: Max 2,090 Min 3.5 Mean 171 Cfsm 0.311 In. 4.23
Water year 1954-55: Max 1,800 Min 3.5 Mean 110 Cfsm 0.200 In. 2.71

* Discharge measurement made on this day.

Tired Creek near Cairo, Ga.

Location.--Lat 30°54', long 84°16', on left bank 140 ft upstream from highway bridge, a quarter of a mile downstream from Wolf Creek, 1 mile downstream from Atlantic Coast Line Railroad bridge, and 3 miles west of Cairo, Grady County.

Drainage area.--55 sq mi, approximately.

Records available.--July 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 159.0 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--12 years, 64.2 cfs.

Extremes.--Maximum discharge during year, 836 cfs Sept. 2 (gage height, 6.47 ft); minimum, 0.1 cfs June 10.

1943-55: Maximum discharge, 28,100 cfs Apr. 1, 1948 (gage height, 16.3 ft, from floodmark), from rating curve extended above 2,500 cfs on basis of slope-area determination of peak flow; minimum, that of June 10, 1955.

Remarks.--Records good except those for June 1-17, which are fair.

Revisions (water years).--WSP 1052: 1944.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 23 to July 25)

-0.05	0.1	4.0	108
-.02	.2	4.5	141
0.0	.3	5.0	195
.1	.9	5.5	285
.8	6.6	6.0	450
1.3	14	6.5	800
1.8	25	7.0	1,280
3.0	64		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	3.9	11	11	17	15	9.5	7.1	1.4	1.3	17	85
2	3.7	4.1	9.9	10	17	14	9.2	6.3	1.3	5.4	11	*522
3	3.3	3.9	9.4	10	16	14	9.5	5.7	1.1	3.4	7.3	202
4	2.9	4.0	8.8	10	16	13	8.8	5.2	.9	3.6	5.7	219
5	3.2	4.5	9.1	10	15	13	*8.4	4.9	.8	2.4	5.3	107
6	2.9	4.9	13	10	17	13	8.8	4.4	.7	4.0	48	35
7	5.5	5.1	15	10	86	12	8.4	3.8	*.7	7.9	176	23
8	5.2	5.1	12	9.9	108	10	8.6	3.6	*.5	4.0	36	16
9	4.4	5.2	11	9.7	72	10	8.7	3.2	.2	5.2	12	12
10	3.8	5.2	12	9.9	36	10	9.0	2.9	.1	10	7.3	9.4
11	3.6	5.1	11	12	29	10	7.1	2.8	.4	11	5.6	9.2
12	3.6	5.0	9.9	13	25	11	413	2.7	.7	7.1	4.8	9.2
13	3.5	5.0	18	11	21	10	251	2.5	.5	7.9	4.3	8.6
14	3.4	5.1	*42	10	21	*9.8	195	2.4	.2	20	6.3	8.8
15	3.2	5.3	23	9.9	21	9.7	176	3.1	.2	12	5.2	9.4
16	2.8	7.9	16	11	20	9.5	123	4.0	.2	6.2	4.2	8.6
17	2.5	9.7	13	27	21	9.2	60	4.0	.7	8.5	3.6	31
18	2.8	8.6	14	39	37	8.6	35	4.3	2.4	39	2.9	29
19	2.6	7.9	16	76	26	8.3	28	4.0	4.0	35	2.6	16
20	2.6	9.7	13	68	21	7.8	23	4.6	*3.7	8.6	5.3	*11
21	2.6	9.8	12	36	19	7.3	21	7.6	3.6	12	5.1	9.4
22	2.7	8.4	11	27	18	11	22	8.1	2.1	39	6.2	7.3
23	2.8	12	11	32	17	18	21	8.1	*1.1	31	11	6.2
24	2.8	15	11	*76	17	14	18	7.7	.8	30	17	5.6
25	2.9	10	11	68	17	11	16	5.6	.9	*41	42	5.2
26	2.9	8.8	10	39	15	9.9	13	4.8	.9	47	21	4.8
27	2.9	8.3	11	27	15	8.7	*11	4.0	2.4	78	11	4.4
28	2.9	14	11	22	15	8.4	10	3.2	2.8	24	16	4.4
29	2.8	24	11	20	-	11	9.7	2.6	1.6	12	9.8	4.4
30	4.2	15	11	18	-----	12	8.3	2.2	.9	9.2	6.2	4.2
31	4.1	-----	11	17	-----	10	-----	1.6	-----	20	*4.8	-----
Total	102.7	240.5	408.1	759.4	775	339.2	1,613.9	137.0	37.8	545.7	520.5	1,426.1
Mean	3.31	8.02	13.2	24.5	27.7	10.9	53.8	4.42	1.26	17.6	16.8	47.5
Cfsm	0.060	0.146	0.240	0.445	0.504	0.199	0.978	0.080	0.023	0.320	0.305	0.864
In.	0.07	0.16	0.28	0.51	0.52	0.23	1.09	0.09	0.03	0.37	0.35	0.96
Calendar year 1954: Max	236			Min	1.1	Mean	23.3	Cfsm	0.424	In.	5.77	
Water year 1954-55: Max	522			Min	0.1	Mean	18.9	Cfsm	0.344	In.	4.66	

Peak discharge (base, 1,800 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--Discharge June 1-17 computed from once-daily staff-gage readings.

Ochlockonee River near Havana, Fla.

Location.--Lat 30°33', long 84°23', in sec. 24, T. 2 N., R. 2 W., on upstream side near center of span of bridge on U. S. Highway 90, three-quarters of a mile upstream from Seaboard Air Line Railroad bridge, 4 miles downstream from Mill Creek, and 5 miles southeast of Havana.

Drainage area.--1,020 sq mi, approximately.

Records available.--December 1928 to September 1955.

Gage.--Wire-weight gage read once daily. Datum of gage is 59.16 ft above mean sea level, datum of 1929. Prior to Aug. 11, 1934, chain gage at same site and datum.

Average discharge.--27 years, 934 cfs.

Extremes.--Maximum discharge observed during year, 2,010 cfs Apr. 20 (gage height, 20.80 ft); minimum, 17 cfs Oct. 23-28, Nov. 1; minimum gage height, 10.81 ft Oct. 24-28, Nov. 1.

1928-55: Maximum discharge observed, 55,900 cfs Apr. 4, 1948 (gage height, 35.08 ft); minimum, that of Oct. 23-28, Nov. 1, 1954; minimum gage height, that of Oct. 24-28, Nov. 1, 1954.

Maximum stage known, that of Apr. 4, 1948.

Remarks.--Records good.

Revisions (water years).--WSP 822: 1929(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 21-30)

Oct. 1-24			Oct. 25 to Sept. 30		
10.8	16		10.8	16	418
11.0	26		11.0	29	1,020
11.3	41		11.5	72	2,063
			12.0	132	

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	17	60	83	342	271	134	313	248	45	454	164
2	24	18	65	81	318	259	129	280	207	58	373	127
3	22	18	62	80	301	248	136	250	176	62	316	165
4	21	18	61	78	282	241	123	223	154	66	307	362
5	21	20	60	75	262	231	120	200	137	67	328	442
6	20	19	62	72	247	221	118	180	123	75	289	410
7	24	19	72	71	320	211	*112	165	111	97	306	364
8	24	19	*74	69	422	200	103	152	101	105	295	272
9	38	19	73	69	569	192	99	150	94	107	402	206
10	35	20	74	68	627	183	97	133	84	95	394	167
11	31	21	70	68	679	174	160	123	83	80	*278	144
12	29	22	68	*66	734	169	409	117	74	80	207	127
13	26	21	75	73	765	164	665	112	70	164	174	115
14	25	21	94	75	781	157	1,230	107	65	238	149	108
15	24	22	94	78	732	152	1,560	102	61	277	133	100
16	22	24	107	79	665	147	1,720	99	58	253	120	108
17	20	26	115	85	585	143	1,870	99	59	235	113	148
18	20	26	117	127	523	137	1,960	*108	56	228	102	117
19	19	28	117	270	485	132	1,990	101	57	197	90	107
20	*18	32	117	360	469	127	2,000	145	52	210	79	123
21	18	32	115	439	438	120	2,000	253	53	209	71	113
22	18	32	111	421	403	118	1,960	278	50	170	66	*96
23	17	34	101	396	*373	119	1,820	283	52	138	102	85
24	17	38	95	420	354	126	1,410	316	48	149	100	76
25	17	41	90	471	336	134	1,010	416	46	231	85	70
26	17	42	88	528	316	129	719	601	46	308	113	66
27	17	44	85	518	286	123	585	776	48	410	227	65
28	17	50	84	479	283	139	466	708	48	544	272	64
29	20	58	83	442	-	147	408	481	*46	661	241	58
30	19	57	87	403	-----	140	360	362	42	639	192	54
31	18	-----	84	374	-----	134	-----	302	-----	546	171	-----
Total	683	858	2,660	6,919	12,887	5,188	25,453	7,931	2,549	6,744	6,549	4,621
Mean	22.0	28.6	85.8	223	460	167	848	256	85.0	218	211	154
Cfsm	0.022	0.028	0.084	0.219	0.451	0.164	0.831	0.251	0.083	0.214	0.207	0.151
In.	0.02	0.03	0.10	0.25	0.47	0.19	0.93	0.29	0.09	0.25	0.24	0.17

Calendar year 1954: Max 4,180 Min 17 Mean 386 Cfsm 0.378 In. 5.14
Water year 1954-55: Max 2,000 Min 17 Mean 228 Cfsm 0.224 In. 3.03

* Discharge measurement made on this day.

Little River near Quincy, Fla.

Location.--Lat 30°35', long 84°30', in sec. 12, T. 2 N., R. 3 W., near right bank at downstream side of bridge on State Highway 12, 0.5 mile southwest of Shady Rest, 1.1 miles downstream from confluence of Willocoochee and Attapulcus Creeks, and 4½ miles east of Quincy.

Drainage area.--250 sq mi, approximately.

Records available.--April 1950 to October 1955.

Gage.--Water-stage recorder. Datum of gage is 83.19 ft above mean sea level, unadjusted.

Average discharge.--5 years, 180 cfs.

Extremes.--Maximum discharge during year, 1,390 cfs Apr. 15 (gage height, 10.48 ft); minimum, 10 cfs June 16 (gage height, 0.82 ft).
1950-55: Maximum discharge, 3,480 cfs Sept. 1, 1950 (gage height, 13.69 ft); minimum, that of June 16, 1955.

Remarks.--Records excellent.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 16

Nov. 17 to Sept. 30

1.0	16	0.8	9.5	3.0	125	10.0	1,180
1.6	38	1.0	15	5.0	295	11.0	1,660
		1.5	33	7.0	516		
		2.0	58	9.0	858		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	26	65	56	90	76	60	46	21	13	204	58
2	23	25	55	55	88	76	55	43	19	51	136	53
3	22	27	50	55	86	72	58	37	17	54	108	74
4	20	25	47	53	82	70	53	34	16	44	129	134
5	20	28	45	52	79	67	50	32	14	35	92	90
6	20	29	83	52	79	66	*56	30	14	30	82	74
7	22	31	92	51	220	62	51	29	13	22	557	56
8	29	31	*77	50	343	57	46	26	13	18	321	45
9	31	31	70	49	319	54	41	25	15	28	132	37
10	35	31	73	50	225	54	41	23	13	35	94	32
11	28	29	68	59	180	54	164	23	12	56	*69	29
12	26	29	61	*68	138	55	695	22	14	63	58	29
13	26	29	73	64	112	54	871	21	14	97	48	40
14	25	29	116	57	102	53	1,030	22	13	100	64	52
15	23	31	113	53	97	49	1,360	30	12	74	58	43
16	20	34	95	56	96	47	1,190	50	10	48	46	40
17	19	39	79	94	94	45	738	57	13	99	39	62
18	19	43	70	168	114	44	333	*67	17	76	32	72
19	18	44	70	306	156	43	203	62	22	40	29	58
20	*19	42	68	310	159	41	146	44	23	30	27	47
21	19	44	65	263	120	40	122	53	20	27	47	39
22	19	45	62	185	*102	46	123	68	17	26	34	*31
23	20	50	60	178	92	78	127	74	14	44	43	27
24	20	61	59	262	90	90	119	76	13	47	45	26
25	20	61	58	288	87	72	103	59	13	59	45	24
26	20	54	55	251	81	71	85	43	14	59	68	23
27	21	47	55	185	79	49	70	38	20	76	127	24
28	20	64	56	148	79	46	62	50	18	82	146	24
29	24	89	58	119	-	63	56	39	*16	66	97	24
30	27	78	59	103	-----	72	52	30	15	204	65	22
31	27	-----	58	96	-----	66	-----	24	-----	302	45	-----
Total	704	1,224	2,115	3,836	3,589	1,832	8,160	1,277	465	2,005	3,087	1,399
Mean	22.7	40.8	68.2	124	128	59.1	272	41.2	15.5	64.7	99.6	46.3
Cfsm	0.091	0.163	0.273	0.496	0.512	0.236	1.09	0.165	0.062	0.259	0.398	0.185
In.	0.10	0.18	0.31	0.57	0.53	0.27	1.21	0.19	0.07	0.30	0.46	0.21

Calendar year 1954: Max 540 Min 16 Mean 109 Cfsm 0.436 In. 5.88

Water year 1954-55: Max 1,360 Min 10 Mean 81.3 Cfsm 0.325 In. 4.40

Peak discharge (base, 1,500 cfs).--No peak above base.

* Discharge measurement made on this day.

Ochlockonee River near Bloxham, Fla.

Location.--Lat 30°23'00", long 84°39'15", in NE¼ sec. 20, T. 1 S., R. 4 W., ondownstream side of right pier (revised) of bridge on State Highway 20, 3,000 ft downstream from powerplant and dam and 1½ miles southwest of Bloxham.

Drainage area.--1,660 sq mi, approximately.

Records available.--June 1926 to September 1955. Prior to October 1954, low-flow records based on discharge measurements made at various sites within 3,000 ft upstream from gage; subsequent low-flow records based on discharge measurements made at site three-quarters of a mile downstream from gage. Low-flow records not equivalent owing to seepage inflow.

Gage.--Water-stage recorder. Datum of gage is 24.69 ft above mean sea level, datum of 1929. Prior to Apr. 9, 1930, staff gage at site 2,700 ft upstream at datum 5.00 ft higher. Apr. 9, 1930, to Jan. 19, 1939, water-stage recorder at site 2,000 ft upstream and Jan. 20, 1939, to Sept. 30, 1954, at present site, at datum 5.00 ft higher.

Average discharge.--28 years (1926-54), 1,614 cfs (unadjusted).

Extremes.--1953-54: Maximum discharge during water year, 7,510 cfs Dec. 23 (gage height, 13.69 ft); minimum not determined.

1954-55: Maximum discharge during water year, 2,670 cfs Apr. 17-19 (gage height, 12.00 ft); minimum, 41 cfs June 6, 15, 16, but may have been less during period Oct. 1 to Jan. 18.

1926-55: Maximum discharge observed, 50,200 cfs Apr. 5, 1948 (gage height, 28.50 ft, present datum), from rating curve extended above 38,800 cfs; minimum since October 1954, that of June 6, 15, 16, 1955 (indeterminate prior to October 1954).

Remarks.--Records for water year 1954 fair above 600 cfs and poor below; records for water year 1955 poor prior to Feb. 22 and fair thereafter. Flow regulated by powerplant above station and storage in Lake Talquin (capacity, 3,030,000,000 cu ft).

Revisions (water years).--WSP 1002: 1940-43.

Discharge, in cubic feet per second, water year October 1953 to September 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,600	9	468	4,350	1,150	1,990	603					
2	2,510	348	280	4,350	1,760	1,450	692					
3	2,030	414	200	4,330	1,870	1,770	326					
4	2,230	320	1,730	4,300	1,010	1,950	212					
5	2,520	326	1,940	*4,270	1,040	1,800	524					
6	2,470	403	2,000	4,250	794	2,140	628					
7	2,350	246	2,500	4,150	435	1,350	440					
8	1,900	169	3,150	3,800	515	1,000	470					
9	1,560	377	3,040	3,830	*937	1,440	1,520					
10	822	840	3,640	3,830	1,380	754	1,100					
11	473	846	3,640	3,800	716	1,430	158					
12	310	318	3,560	2,670	1,090	1,060	1,200					
13	842	89	3,370	2,720	595	394	1,030					
14	744	2	3,750	2,950	826	27	1,250					
15	376	2	4,120	2,870	1,070	2,000	708					
16	385	198	4,250	2,840	705	2,000	862	e420	e260	e220	e300	e170
17	218	217	4,320	1,350	1,070	1,160	531					
18	536	105	5,320	2,170	902	990	106					
19	187	264	4,520	2,700	920	869	257					
20	205	1,250	4,250	2,430	644	672	370					
21	356	542	4,220	1,850	1,920	140	514					
22	359	320	4,240	2,130	1,600	1,030	1,330					
23	368	1,210	5,810	2,310	1,110	*1,620	432					
24	292	1,070	4,420	1,530	1,740	2,050	112					
25	163	1,150	4,280	1,700	1,570	2,000	68					
26	333	107	4,320	1,440	948	1,760	892					
27	377	1,170	4,300	2,140	576	504	670					
28	368	1,190	4,280	2,480	1,170	22	568					
29	380	183	4,280	1,940	-	1,200	595					
30	375	522	4,760	1,940	-----	1,320	780					
31	168	-----	5,310	892	-----	918	-----					
Total	29,417	14,207	110,266	66,312	30,063	38,820	18,949	13,020	7,800	6,820	9,300	5,100
Cfsm	949	474	3,557	2,849	1,074	1,252	632	420	260	220	300	170
(†)	+15	+35	+101	-149	+37	-67	-15	-82	0	+112	-158	-66

Adjusted for change in contents in Lake Talquin

Mean	964	509	3,658	2,700	1,111	1,185	617	338	260	332	142	104
Cfsm	0.581	0.307	2.20	1.63	0.669	0.714	0.372	0.204	0.157	0.200	0.086	0.063
In.	0.67	0.34	2.54	1.88	0.70	0.82	0.41	0.25	0.17	0.23	0.10	0.07
				Observed				Adjusted				
Calendar year 1953:	Max	5,810	Min	2	Mean	1,428	Mean	1,469	Cfsm	0.885	In.	12.01
Water year 1953-54:	Max	5,810	Min	-	Mean	1,019	Mean	999	Cfsm	0.602	In.	8.17

* Discharge measurement made on this day.

† Change in contents in Lake Talquin, equivalent in cubic feet per second, furnished by Florida Power Corp.

e Stage-discharge relation indefinite; discharge estimated on basis of records for station near Havana.

OCHLOCKONEE RIVER BASIN

Ochlockonee River near Bloxham, Fla.--Continued

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	46	55	60	491	271	171	946	65	62	1,550	147
2	48	45	47	46	94	302	116	228	306	46	1,440	256
3	48	52	71	117	58	423	60	240	286	45	370	350
4	52	47	50	192	32	444	138	586	66	44	162	808
5	49	46	46	208	409	434	*280	166	43	44	112	842
6	48	46	167	105	1,080	192	298	438	128	86	141	516
7	48	46	163	78	1,378	206	299	177	60	46	212	314
8	48	46	134	72	600	239	204	51	44	216	840	376
9	48	49	55	52	950	622	250	174	47	214	1,320	302
10	48	51	94	167	760	690	77	340	44	152	*751	172
11	93	48	55	*174	326	758	156	378	42	236	344	54
12	65	46	46	182	1,230	164	300	264	42	153	569	136
13	48	46	93	147	780	66	1,120	195	42	106	235	339
14	48	46	177	243	673	156	2,550	65	43	401	55	71
15	48	46	176	86	479	203	2,630	86	42	289	184	48
16	48	46	210	46	593	198	2,650	164	43	279	109	539
17	52	46	174	102	920	190	2,670	*86	46	336	250	705
18	48	46	70	154	700	210	2,870	543	304	395	290	89
19	47	46	49	218	707	120	2,660	72	124	200	146	223
20	46	46	365	*212	370	64	2,060	98	45	584	55	*152
21	46	46	432	826	466	100	1,940	54	564	585	47	214
22	46	46	228	514	*522	80	1,320	136	128	687	318	88
23	46	122	132	680	624	49	1,510	146	88	83	248	60
24	46	124	78	1,330	324	46	1,360	191	67	46	99	50
25	46	48	50	1,640	492	49	1,450	238	47	57	65	45
26	46	46	46	1,460	529	92	730	254	45	315	60	189
27	46	47	115	980	70	128	490	331	46	562	47	156
28	49	46	150	815	246	1,060	380	116	*57	591	45	204
29	50	57	125	740	-	927	396	46	93	946	139	150
30	46	55	112	82	-----	447	81	340	55	538	138	184
31	46	-----	126	624	-----	239	-----	346	-----	1,600	183	-----
Total	1,549	1,574	3,891	12,351	16,563	9,169	31,074	7,495	3,052	9,944	10,484	7,759
Mean	50.0	52.5	126	398	592	296	1,036	242	102	321	338	259
(†)	-15	+74	+86	+53	+29	-94	+105	+26	-16	+49	0	-16

Adjusted for change in contents in Lake Talquin

Mean	35.0	126	212	451	621	202	1,141	268	86	370	338	243
Cfsm	0.021	0.076	0.128	0.272	0.374	0.122	0.687	0.161	0.052	0.223	0.204	0.146
In.	0.02	0.08	0.15	0.31	0.39	0.14	0.77	0.19	0.06	0.26	0.23	0.16

Observed

Adjusted

Calendar year 1954:	Max	4,350	Min	-	Mean	617	Mean	596	Cfsm	0.359	In.	4.86
Water year 1954-55:	Max	2,670	Min	42	Mean	315	Mean	338	Cfsm	0.204	In.	2.76

* Discharge measurement made on this day.

† Change in contents in Lake Talquin, equivalent in cubic feet per second; furnished by Florida Power Corp.

Note.--Discharge for period Oct. 1 to Feb. 22 computed from reconstructed gage-height graph based on hourly readings of tailwater gage at powerplant.

Telogia Creek near Bristol, Fla.

Location.--Lat 30°25'35", long 84°55'40", in sec. 3, T. 1 S., R. 7 W., near left bank at downstream side of bridge on State Highway 20, 600 ft upstream from White Branch and 3 miles east of Bristol.

Drainage area.--130 sq mi.

Records available.--March 1950 to October 1955.

Gage.--Water-stage recorder. Datum of gage is 99.50 ft above mean sea level, datum of 1929 (Florida State Road Department benchmark).

Average discharge.--5 years, 135 cfs.

Extremes.--Maximum discharge during year, 2,680 cfs Apr. 13 (gage height, 7.79 ft); minimum, 28 cfs Oct. 26, 27 (gage height, 1.35 ft).
1950-55: Maximum discharge, 4,080 cfs Mar. 20, 1951 (gage height, 8.35 ft); minimum, 28 cfs Sept. 14, Oct. 26, 27, 1954 (gage height, 1.35 ft).

Remarks.--Records good. Some diurnal fluctuation at low flow.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 28 to May 22)

Oct. 1 to July 13

July 14 to Sept. 30

1.3	26	6.0	555	1.5	38
2.0	56	6.5	791	3.0	107
3.0	104	7.0	1,220	4.0	177
4.0	177	7.6	2,230	5.0	305
5.0	305				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	41	83	54	66	56	48	62	49	77	116	59
2	36	38	68	52	65	57	45	60	47	62	127	154
3	34	39	60	53	63	55	50	54	43	55	117	159
4	33	40	55	50	61	53	47	53	40	49	87	138
5	42	41	54	52	57	49	*42	49	39	46	73	204
6	35	41	56	52	64	52	41	45	39	42	68	204
7	33	42	*79	47	143	52	41	42	37	43	98	101
8	39	43	94	46	220	46	38	41	37	41	118	86
9	44	39	80	43	232	49	35	43	35	40	131	73
10	42	39	82	43	204	49	36	54	35	45	*110	61
11	34	39	81	*47	112	44	259	50	38	62	71	64
12	34	37	74	52	91	44	491	44	40	86	55	68
13	34	36	88	54	87	44	2,210	40	40	118	63	59
14	34	37	112	52	74	43	1,410	43	35	133	100	70
15	35	38	113	47	67	39	1,680	80	35	95	117	83
16	33	47	94	51	69	41	1,010	107	38	70	78	72
17	32	54	77	69	71	39	517	*164	80	57	65	66
18	32	59	68	122	75	35	297	154	56	52	56	63
19	*31	54	67	248	104	35	164	162	67	46	48	62
20	32	50	64	232	103	38	121	196	62	48	47	*52
21	33	52	60	207	75	37	107	159	49	46	47	53
22	32	48	57	145	*66	37	112	161	44	63	60	50
23	33	56	56	106	66	40	152	138	45	119	58	47
24	32	64	58	155	64	44	145	112	41	121	69	44
25	31	63	55	190	67	41	108	88	43	110	115	42
26	28	52	53	167	64	39	94	74	47	125	163	43
27	31	53	54	114	60	38	86	64	44	126	134	41
28	32	130	53	91	59	40	78	60	*38	122	93	42
29	41	124	53	80	-	48	72	58	38	99	84	41
30	45	108	55	74	-----	58	66	53	38	79	63	41
31	46	-----	58	69	-----	56	-----	47	-----	77	58	-----
Total	1,097	1,604	2,161	2,864	2,549	1,398	9,602	2,557	1,319	2,355	2,689	2,342
Mean	35.4	53.5	69.7	92.4	81.0	45.1	320	82.5	44.0	76.0	86.7	78.1
Cfs/m	0.272	0.412	0.536	0.711	0.700	0.347	2.46	0.655	0.338	0.585	0.667	0.601
In.	0.31	0.46	0.62	0.82	0.73	0.40	2.75	0.73	0.39	0.67	0.77	0.67

Calendar year 1954: Max 391 Min 28 Mean 97.2 Cfs/m 0.749 In. 10.16

Water year 1954-55: Max 2,210 Min 28 Mean 89.1 Cfs/m 0.685 In. 9.31

Peak discharge (base, 1,500 cfs).--Apr. 13 (6:30 a.m.) 2,680 cfs (7.79 ft); Apr. 15 (3 p.m.) 2,150 cfs (7.56 ft).

* Discharge measurement made on this day.

APALACHICOLA RIVER BASIN

Chattahoochee River near Leaf, Ga.

Location.--Lat 34°35', long 83°38', on left bank 700 ft upstream from bridge on State Highway 115, 1½ miles east of Leaf, White County, 2½ miles downstream from Blue Creek, 3 miles upstream from Soque River, 7½ miles southeast of Cleveland, and at mile 405.6.

Drainage area.--150 sq mi.

Records available.--May to December 1907 (fragmentary), February 1940 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1,219.47 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. May 8 to Dec. 31, 1907, staff gage at site 700 ft downstream at different datum.

Average discharge.--15 years (1940-55), 390 cfs.

Extremes.--Maximum discharge during year, 9,300 cfs Feb. 6 (gage height, 10.6 ft); minimum daily, 78 cfs Oct. 7.
1940-55: Maximum discharge, 14,100 cfs Jan. 7, 1946 (gage height, 13.6 ft); minimum daily, 72 cfs Oct. 26, 1941.

Remarks.--Records good. Diurnal fluctuation at low flow caused by milldams above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.3	71	3.0	775
1.6	120	5.0	2,400
2.0	245	8.0	5,700
2.5	480		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	94	91	132	379	154	341	318	305	379	222	*318	177
2	91	93	122	389	215	346	517	*300	365	215	408	171
3	82	91	118	296	187	314	674	292	351	211	379	168
4	82	95	112	262	171	318	428	287	341	218	341	165
5	82	128	360	237	171	328	389	279	332	226	341	165
6	81	101	510	*215	5,060	328	413	274	323	222	310	168
7	78	97	222	197	1,740	314	423	266	332	230	287	160
8	81	97	171	187	712	296	384	258	323	215	262	154
9	82	96	258	181	513	283	360	253	323	215	399	151
10	81	94	230	222	435	292	351	249	314	218	305	154
11	81	93	184	296	423	287	1,080	249	356	444	270	148
12	82	94	162	230	351	318	782	262	305	337	266	194
13	85	94	215	211	318	337	663	597	296	512	241	160
14	83	91	207	190	305	341	725	428	287	806	234	145
15	85	99	171	190	296	310	598	323	279	454	288	140
16	81	222	190	187	283	310	491	987	270	360	296	135
17	83	168	151	177	328	300	480	1,310	262	341	237	135
18	88	136	332	177	287	292	454	639	258	283	222	130
19	85	132	234	258	270	310	435	491	292	258	218	132
20	83	184	194	211	258	305	418	428	346	249	226	135
21	83	125	171	200	249	310	413	581	374	318	244	148
22	83	112	160	226	296	1,530	404	797	283	305	230	120
23	82	125	151	215	*1,120	657	384	1,450	249	258	234	118
24	82	116	145	200	575	508	399	861	266	604	237	120
25	83	107	135	187	464	454	379	688	249	389	204	211
26	83	105	132	177	404	438	356	581	253	351	194	148
27	*83	116	132	174	374	384	346	524	245	305	190	138
28	86	198	168	168	351	370	337	470	237	296	187	140
29	97	292	873	162	-	356	323	444	237	296	181	148
30	89	157	775	157	-----	337	314	418	*230	346	177	148
31	86	-----	384	154	-----	328	-----	*404	-----	279	*181	-----
Total	2,607	3,749	7,501	6,712	16,308	11,942	14,016	15,695	8,957	9,983	8,107	4,526
Mean	84.1	125	242	217	582	385	467	506	299	322	262	151
Cfsm	0.561	0.833	1.61	1.45	3.88	2.57	3.11	3.37	1.99	2.15	1.75	1.01
In.	0.65	0.93	1.86	1.67	4.04	2.96	3.47	3.88	2.22	2.48	2.02	1.13
Calendar year 1954: Max	5,850					Mean	352	Cfsm	2.35	In.	31.86	
Water year 1954-55: Max	5,060				Min	78	Mean	302	Cfsm	2.01	In.	27.31

Peak discharge (base, 2,700 cfs).--Feb. 6 (5 p.m.) 9,300 cfs (10.6 ft); Mar. 22 (6 a.m.) 3,300 cfs (5.9 ft).

* Discharge measurement made on this day.

Chattahoochee River near Gainesville, Ga.

Location.--Lat 34°20', long 83°52', on right bank 1,100 ft upstream from State Highway 53, half a mile upstream from Eddie Creek, 3½ miles downstream from Little River, 4 miles northwest of Gainesville, Hall County, 6 miles upstream from Chestatee River, and at mile 368.8.

Drainage area.--559 sq mi.

Records available.--June 1901 to December 1903, April 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 974.98 ft above mean sea level, datum 1929, supplementary adjustment of 1936. June 26, 1901, to Dec. 31, 1903, chain gage at site 2½ miles upstream at different datum. Apr. 28, 1937, to Dec. 31, 1938, staff gage at site three-quarters of a mile downstream at present datum.

Average discharge.--18 years (1937-55), 1,165 cfs.

Extremes.--Maximum discharge during year, 21,400 cfs Feb. 7 (gage height, 18.6 ft); minimum daily, 208 cfs Oct. 4, 10, 11.
1901-3, 1937-55: Maximum discharge, 45,800 cfs Jan. 7, 1946 (gage height, 26.2 ft, from floodmark); minimum daily, that of Oct. 4, 10, 11, 1954.

Remarks.--Records good.

Revisions (water years).--WSP 922: Drainage area. WSP 952: 1940(P). WSP 1234: 1946-48.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.1	170	4.0	2,550
1.5	470	9.0	7,300
2.0	860	16.0	16,800

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	328	268	492	1,190	545	1,060	868	796	876	605	804	462
2	290	335	448	1,620	838	1,100	892	796	852	582	892	462
3	222	358	418	1,100	684	1,010	2,550	796	836	500	940	455
4	208	365	402	908	620	956	1,440	796	804	478	*795	455
5	282	402	485	804	605	1,100	1,150	788	764	605	836	372
6	312	358	1,870	764	5,990	1,010	*1,100	780	764	612	780	440
7	290	305	924	716	16,600	1,100	1,320	756	804	598	724	448
8	298	298	628	676	3,230	980	1,150	668	796	636	756	432
9	260	358	620	552	2,210	908	1,020	724	772	620	796	418
10	208	358	764	582	1,740	908	964	756	748	522	812	432
11	208	358	660	1,060	1,570	924	1,440	748	880	724	708	432
12	275	372	500	932	1,400	900	2,380	716	788	856	692	350
13	320	320	515	820	1,150	1,020	1,660	988	724	1,100	660	432
14	320	275	644	*756	1,100	1,020	1,830	1,360	748	1,570	612	*418
15	328	290	605	740	1,020	972	1,660	876	708	1,100	522	410
16	268	402	552	598	972	916	1,400	1,230	700	892	820	410
17	215	582	552	568	1,020	916	1,230	3,760	684	780	676	395
18	222	485	644	652	1,000	876	1,190	1,870	684	732	605	358
19	275	462	676	876	924	884	1,100	*1,320	708	692	575	298
20	328	538	636	860	844	884	1,060	1,150	756	692	644	372
21	320	462	605	780	844	876	1,060	1,230	956	1,280	612	388
22	328	*365	568	788	868	1,870	1,060	1,530	796	1,190	538	395
23	275	432	560	652	*2,210	1,960	1,020	2,120	*756	812	620	365
24	215	462	515	628	2,040	1,360	980	2,040	724	836	582	328
25	215	432	440	692	1,620	1,190	996	1,910	692	972	538	328
26	*298	418	418	660	1,320	1,150	940	1,400	620	1,280	500	485
27	328	425	402	844	1,190	1,020	908	1,190	636	940	492	440
28	335	500	485	636	1,100	972	884	1,060	652	780	485	410
29	358	732	700	628	-	-	948	860	980	628	764	388
30	305	676	2,300	530	-----	908	836	980	612	820	482	425
31	252	-----	1,230	508	-----	876	-----	940	-----	788	455	-----
Total	8,686	12,393	21,258	23,920	55,052	32,574	36,948	37,054	22,448	25,338	20,322	12,233
Mean	280	413	686	772	1,966	1,051	1,232	1,195	748	817	656	408
Cfsm	0.501	0.739	1.23	1.38	3.52	1.88	2.20	2.14	1.34	1.46	1.17	0.730
In.	0.58	0.82	1.42	1.59	3.66	2.17	2.46	2.47	1.50	1.68	1.35	0.81

Calendar year 1954: Max 12,500 Min 208 Mean 1,055 Cfsm 1.89 In. 25.64
Water year 1954-55: Max 16,600 Min 208 Mean 844 Cfsm 1.51 In. 20.51

Peak discharge (base, 9,000 cfs).--Feb. 7 (9 a.m.) 21,400 cfs (18.6 ft).

* Discharge measurement made on this day.

Chestatee River near Dahlonega, Ga.

Location.--Lat 34°32', long 83°56', on left bank 250 ft upstream from Bearden Bridge on State Highway 43, 2 miles downstream from Ballplay Creek, 2½ miles east of Dahlonega, Lumpkin County, and 3½ miles upstream from Yahoola Creek.

Drainage area.--153 sq mi.

Records available.--July 1929 to December 1931, April 1940 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1,128.6 ft above mean sea level (levels by Corps of Engineers).

Average discharge.--17 years, 337 cfs.

Extremes.--Maximum discharge during year, 8,330 cfs Feb. 6 (gage height, 15.7 ft); minimum daily, 60 cfs Oct. 5-7, 11.
1929-31, 1940-55: Maximum discharge, 15,300 cfs Jan. 7, 1946 (gage height, 22.1 ft); minimum daily, 49 cfs Oct. 4, 1931, Oct. 26, 1941.
Flood of Aug. 12, 1907, reached a stage of about 25 ft, from information by local resident. Flow increased by failure of dam above station.

Remarks.--Records good. Moderate diurnal fluctuation at times caused by milldam above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.6	50	2.5	550
1.0	115	4.0	1,180
1.4	205	6.0	2,150
2.0	376	10.0	4,300

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	79	123	420	153	354	275	244	303	148	186	117
2	83	81	113	444	208	400	323	239	289	148	221	110
3	71	79	106	311	179	335	444	251	275	146	215	108
4	63	84	101	261	167	335	323	226	261	162	274	106
5	60	121	350	231	162	347	*303	223	255	169	405	106
6	60	97	551	213	4,210	335	341	215	253	181	289	110
7	80	88	218	195	2,150	323	357	205	261	164	223	110
8	82	86	167	181	800	300	311	203	244	162	198	99
9	62	84	268	179	568	286	292	198	242	167	350	97
10	62	83	242	215	461	300	286	193	236	164	*242	97
11	60	81	179	311	434	292	874	193	280	317	203	95
12	63	81	157	239	357	278	700	198	234	239	183	93
13	66	81	200	*215	320	297	604	510	221	323	167	90
14	66	79	200	195	303	292	622	347	215	292	157	88
15	65	81	169	191	292	275	552	250	208	236	157	*86
16	62	163	148	183	283	272	461	900	203	218	188	84
17	68	148	146	171	354	275	417	1,110	195	193	153	83
18	69	110	350	171	294	261	386	604	193	174	144	77
19	71	119	255	269	275	272	363	*444	215	164	137	79
20	71	198	200	213	261	269	344	386	226	171	148	76
21	71	117	174	198	253	266	347	496	208	289	171	74
22	69	*102	159	226	282	1,210	335	811	188	210	190	73
23	69	106	148	210	*1,320	841	314	1,400	*195	200	153	71
24	69	104	139	195	700	478	314	842	193	258	181	74
25	69	95	131	186	532	413	300	641	181	247	139	137
26	*69	92	127	174	441	396	286	514	186	218	129	113
27	69	104	125	171	393	341	278	461	171	193	125	93
28	74	181	131	167	363	323	269	396	169	210	121	87
29	90	286	648	162	-	308	258	365	162	198	117	104
30	83	150	680	155	-	294	250	347	155	208	113	106
31	77	-----	350	150	-----	283	-----	326	-----	176	115	-----
Total	2,136	3,360	7,055	6,802	16,515	11,051	11,509	13,716	6,617	6,345	5,794	2,853
Mean	68.9	112	228	219	590	356	384	442	221	205	187	95.1
Cfsm	0.450	0.732	1.49	1.43	3.86	2.33	2.51	2.89	1.44	1.34	1.22	0.622
In.	0.52	0.82	1.72	1.65	4.02	2.69	2.80	3.53	1.61	1.54	1.41	0.69

Calendar year 1954: Max 5,480 Min 60 Mean 285 Cfsm 1.86 In. 25.26
Water year 1954-55: Max 4,210 Min 60 Mean 257 Cfsm 1.68 In. 22.80

Peak discharge (base, 2,600 cfs).--Feb. 6 (7 p.m.) 8,330 cfs (15.7 ft).

* Discharge measurement made on this day.

Note.--Discharge computed from once-daily staff-gage readings Oct. 1 to Nov. 4.

Chattahoochee River near Buford, Ga.

Location.--Lat 34°08', long 84°06', at downstream end of left bank pier of bridge on State Highway 20, three-quarters of a mile upstream from Dave Creek, 4 miles downstream from Bald Ridge Creek, 5 miles west of Buford, Gwinnett County, and at mile 345.7

Drainage area.--1,060 sq mi, approximately.

Records available.--June to December 1901 (gage heights only), January 1942 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 905.20 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. June 24 to Dec. 21, 1901, staff gage at site 1,000 ft downstream at different datum. Jan. 27, 1942, to Dec. 3, 1944, staff gage and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder, at site 1,000 ft downstream at present datum.

Average discharge.--13 years (1942-55), 2,173 cfs.

Extremes.--Maximum discharge during year, 17,500 cfs Feb. 8 (gage height, 20.6 ft); minimum, 357 cfs Oct. 11, 12.

1942-55: Maximum discharge, 55,000 cfs Jan. 8, 1946 (gage height, 32.6 ft, from floodmark), from rating curve extended above 13,000 cfs by logarithmic plotting, on basis of peak flows passing upstream and downstream stations; minimum, 342 cfs Sept. 10, 1951.

Remarks.--Records good.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	474	433	1,040	2,100	885	1,910	1,560	1,400	1,450	885	1,180	710
2	492	457	860	3,480	1,090	1,850	1,560	1,340	1,450	860	1,260	710
3	437	525	785	2,430	1,230	1,850	1,790	1,340	1,370	810	1,310	685
4	393	560	735	1,790	1,150	1,730	2,570	1,340	1,310	735	*1,370	685
5	377	640	835	1,500	1,040	1,730	2,240	1,280	1,260	760	1,370	650
6	445	710	2,730	1,400	4,740	1,850	*1,980	1,260	1,180	885	1,450	595
7	445	585	2,500	1,280	13,400	1,980	1,980	1,230	1,230	910	1,310	645
8	437	525	1,370	1,230	16,800	1,910	2,040	1,180	1,260	910	1,260	640
9	449	520	1,150	1,120	11,800	1,730	1,910	1,090	1,230	935	1,310	605
10	401	600	1,450	1,200	4,680	1,670	1,790	1,060	1,200	960	1,450	585
11	365	590	1,370	2,040	2,780	1,620	1,790	1,090	1,260	885	1,280	590
12	365	600	1,120	1,850	2,570	1,620	2,860	1,120	1,370	1,310	1,120	585
13	441	615	960	*1,500	2,100	1,620	3,240	1,180	1,120	1,560	1,040	525
14	474	510	1,150	1,340	1,910	1,670	3,080	2,040	1,150	1,670	960	585
15	488	501	1,180	1,280	1,850	1,670	3,000	1,850	1,090	1,980	860	570
16	470	605	1,060	1,230	1,730	1,620	2,710	1,500	1,010	1,670	885	*545
17	405	910	985	1,090	1,730	1,560	2,430	3,660	1,060	1,400	1,060	520
18	385	1,010	1,180	1,090	1,850	1,560	2,170	4,100	1,010	1,230	960	501
19	401	810	1,560	1,560	1,670	1,500	2,040	2,570	1,060	1,120	885	445
20	461	960	1,280	1,670	1,560	1,560	1,910	*1,980	1,260	1,040	860	409
21	496	1,010	1,150	1,450	1,500	1,500	1,850	1,790	1,310	1,450	985	461
22	496	735	1,060	1,400	1,500	1,670	1,790	2,100	1,090	1,910	910	478
23	506	*680	1,010	1,340	2,300	3,160	1,790	3,000	*985	1,670	935	474
24	429	735	985	1,200	3,740	2,860	1,730	4,300	1,120	1,370	960	449
25	401	735	910	1,200	3,320	2,570	1,670	3,480	1,120	1,450	960	445
26	*397	685	785	1,180	2,780	2,170	1,670	2,710	1,230	1,560	860	545
27	488	685	785	1,120	2,360	2,040	1,620	2,170	1,060	1,670	785	685
28	506	885	810	1,090	*2,100	1,850	1,560	2,170	985	1,370	760	615
29	540	1,310	985	1,060	-	1,730	1,500	1,910	935	1,200	710	595
30	570	1,450	2,780	1,010	-	1,670	1,450	1,790	935	1,180	635	615
31	470	-	2,640	910	-	1,620	-	1,560	-	1,260	685	-
Total	13,904	21,556	39,000	45,140	96,165	57,050	61,280	60,590	35,100	38,605	32,365	17,147
Mean	449	719	1,258	1,456	3,434	1,840	2,043	1,955	1,170	1,245	1,044	572
Cfs/m	0.424	0.678	1.19	1.37	3.24	1.74	1.93	1.84	1.10	1.17	0.985	0.540
In.	0.49	0.76	1.37	1.58	3.37	2.01	2.15	2.12	1.23	1.35	1.14	0.60

Calendar year 1954: Max 25,600 Min 365 Mean 1,725 Cfs/m 1.63 In. 22.11

Water year 1954-55: Max 16,800 Min 365 Mean 1,419 Cfs/m 1.34 In. 18.17

Peak discharge (base, 10,000 cfs)--Feb. 8 (8 a.m.) 17,500 cfs (20.6 ft).

* Discharge measurement made on this day.

Chattahoochee River near Roswell, Ga.

Location.--Lat 34°00', long 84°20', on right bank 1½ miles upstream from Big Creek and bridge on U. S. Highway 19, 2 miles southeast of Roswell, Fulton County, and at mile 318.8.

Drainage area.--1,230 sq mi, approximately.

Records available.--October 1941 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 849.50 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Average discharge.--14 years, 2,329 cfs.

Extremes.--Maximum discharge during year, 18,000 cfs Feb. 9 (gage height, 14.2 ft); minimum, 322 cfs Oct. 12 (gage height, 1.44 ft).
1941-55: Maximum discharge, 56,000 cfs Jan. 8, 1946 (gage height, 23.4 ft, from floodmark), from rating curve extended above 30,000 cfs on basis of computation of peak flow over Morgan Falls Dam 6 miles below station; minimum, that of Oct. 12, 1954.

Remarks.--Records good. Slight diurnal fluctuation at low flow.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 26 to July 12, Aug. 10 to Sept. 30)

1.4	300	7.0	5,230
2.0	630	10.0	9,520
4.0	2,130	14.0	17,400

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	438	470	1,250	2,300	960	2,130	1,610	1,530	1,610	995	*1,250	690
2	443	454	925	3,880	1,140	2,010	1,570	*1,450	1,490	960	1,170	690
3	460	492	813	3,220	1,290	2,010	1,650	1,410	1,410	960	1,250	680
4	404	553	771	2,130	1,290	1,970	2,390	1,370	1,370	862	1,330	674
5	355	592	792	1,770	1,170	1,850	2,480	1,370	1,330	799	1,330	674
6	350	641	1,850	1,570	3,800	1,970	2,170	1,330	1,250	960	1,370	624
7	416	646	3,220	1,450	11,700	2,170	2,090	1,290	1,290	995	1,370	608
8	421	558	1,690	1,410	15,800	2,130	2,170	1,290	1,290	995	1,330	624
9	410	526	1,250	1,330	17,000	1,970	2,050	1,170	1,250	995	1,450	602
10	410	548	1,250	1,370	8,980	1,810	1,930	1,100	1,250	1,060	1,370	575
11	360	586	1,530	2,300	3,220	1,770	1,930	1,060	1,290	1,030	1,410	592
12	328	570	1,290	2,300	2,750	1,770	2,300	1,100	1,490	1,140	1,210	597
13	338	580	1,060	1,850	2,480	1,770	3,550	1,140	1,370	1,730	1,100	564
14	416	592	995	1,570	2,130	1,770	3,660	1,610	1,170	1,690	1,030	548
15	443	504	1,140	1,450	2,010	1,810	3,330	2,210	1,210	2,010	960	575
16	438	548	1,140	1,450	1,930	1,730	3,120	1,770	1,140	1,890	848	558
17	426	890	1,030	1,330	1,850	1,690	2,750	2,450	1,030	1,610	960	542
18	372	1,030	1,060	1,250	1,930	1,650	2,480	4,870	1,100	1,330	1,030	556
19	355	890	1,450	1,530	1,930	1,650	2,260	3,120	1,100	1,170	925	514
20	377	841	1,490	1,890	1,770	1,690	2,090	2,300	1,330	1,030	855	*460
21	460	1,030	1,250	1,690	1,650	1,650	2,010	2,050	1,370	1,140	890	432
22	476	876	1,140	1,570	1,570	1,690	1,970	2,130	1,450	1,810	995	465
23	476	*690	1,060	1,530	1,850	2,480	2,050	2,660	960	1,930	890	476
24	470	702	995	1,370	3,660	3,220	2,010	4,430	1,210	1,650	925	465
25	399	738	960	1,250	3,770	2,750	1,850	4,100	1,250	1,530	960	454
26	*392	708	862	1,210	3,120	2,380	1,810	3,220	1,610	1,610	890	482
27	394	680	785	1,170	2,660	2,130	1,730	2,480	1,330	1,650	785	592
28	465	757	771	1,140	*2,300	1,970	1,650	2,170	1,140	1,570	744	658
29	498	1,140	*876	1,100	-	1,810	1,610	2,090	1,060	1,290	726	602
30	520	1,490	1,680	1,060	-----	1,730	1,530	1,930	*1,030	1,170	636	619
31	536	-----	3,440	*1,030	-----	*1,650	-----	*1,850	-----	1,210	*630	-----
Total	13,036	21,122	39,815	51,470	105,710	60,790	65,800	64,050	38,180	40,771	32,619	17,172
Mean	421	704	1,284	1,660	3,775	1,961	2,193	2,066	1,275	1,315	1,052	572
Cfsm	0.342	0.572	1.04	1.35	3.07	1.59	1.78	1.68	1.03	1.07	0.855	0.465
In.	0.39	0.64	1.20	1.56	3.20	1.83	1.99	1.94	1.15	1.23	0.99	0.52
Calendar year 1954: Max			23,900		Min 328		Mean 1,874	Cfsm 1.52	In. 20.70			
Water year 1954-55: Max			17,000		Min 328		Mean 1,508	Cfsm 1.23	In. 16.64			

Peak discharge (base, 12,000 cfs).--Feb. 9 (5 a.m.) 18,000 cfs (14.2 ft).

* Discharge measurement made on this day.

Chattahoochee River at Atlanta, Ga.

Location.--Lat 33°52', long 84°27', on left bank 20 ft upstream from Paces Ferry Bridge at Atlanta, Fulton County, 1 mile downstream from Rotten Wood Creek, 2½ miles upstream from Peachtree Creek, and at mile 303.0.

Drainage area.--1,450 sq mi, approximately.

Records available.--August 1928 to December 1931, November 1936 to September 1955. Prior to October 1951, published as "near Vinings."

Gage.--Water-stage recorder. Datum of gage is 750.10 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder and Nov. 15, 1936, to Mar. 8, 1937, staff gage, at same site and datum.

Average discharge.--21 years (1928-31, 1937-55), 2,534 cfs.

Extremes.--Maximum discharge during year, 18,000 cfs Feb. 9 (gage height, 14.3 ft); minimum daily, 340 cfs Oct. 19.

1928-31, 1936-55: Maximum discharge, 59,000 cfs Jan. 9, 1946 (gage height, 28.0 ft); minimum daily, that of Oct. 19, 1954.

Remarks.--Records good. Considerable diurnal fluctuation caused by Morgan Falls hydro-electric plant 9½ miles above station.

Revisions (water years).--WSP 972: 1932.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 8 to Apr. 12, May 19 to July 15, Aug. 1-4)

1.7	335	4.0	2,450
2.2	620	9.0	10,600
3.0	1,310	14.0	17,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	428	542	1,460	3,060	1,060	2,310	1,720	1,720	1,720	1,080	*1,310	746
2	456	484	1,080	4,020	1,510	2,180	1,780	*1,660	1,610	1,060	1,210	770
3	445	472	906	4,020	1,560	2,180	1,940	1,610	1,510	1,030	1,260	762
4	456	584	874	2,520	1,510	2,120	2,450	1,560	1,460	975	1,360	746
5	362	641	930	1,940	1,360	2,000	2,900	1,560	1,460	930	1,610	754
6	562	683	1,720	1,660	5,840	2,240	2,450	1,510	1,410	1,280	1,460	714
7	390	714	3,620	1,560	13,000	2,800	2,520	1,510	1,410	1,170	1,510	641
8	412	614	2,060	1,460	15,300	2,450	2,520	1,460	1,460	1,080	1,510	690
9	406	554	1,460	1,360	17,600	2,180	2,310	1,460	1,410	1,160	1,660	676
10	418	560	1,360	1,560	13,300	2,060	2,180	1,310	1,410	1,120	1,460	648
11	390	620	1,660	2,600	4,340	2,000	2,240	1,290	1,460	1,210	1,510	620
12	352	620	1,460	2,750	3,140	1,940	2,450	1,560	1,560	1,220	1,300	669
13	390	614	1,280	2,120	2,750	2,000	4,020	1,460	1,560	1,630	1,150	641
14	374	641	1,150	1,720	2,510	1,940	4,660	1,660	1,510	1,700	1,090	578
15	456	590	1,360	1,610	2,120	2,000	4,020	2,520	1,360	2,200	1,030	620
16	423	614	1,310	1,610	2,060	2,000	3,620	2,120	1,500	2,000	1,360	614
17	445	738	1,220	1,460	2,060	1,880	3,220	2,000	1,210	1,800	975	584
18	418	1,030	1,410	1,290	2,000	1,880	2,820	4,980	1,270	1,500	1,170	542
19	340	1,080	1,610	1,660	1,940	1,880	2,520	3,780	1,250	1,300	1,040	620
20	368	914	1,780	2,060	1,880	1,940	2,380	2,520	1,410	1,200	966	512
21	450	1,050	1,510	1,880	1,780	1,940	2,240	2,240	1,560	1,300	948	445
22	494	1,050	1,250	1,780	1,720	1,940	2,240	2,380	1,560	2,000	1,100	500
23	478	810	1,210	1,720	2,000	2,450	2,310	2,750	1,220	2,200	975	506
24	489	746	1,180	1,560	3,700	3,540	2,310	4,180	1,290	2,000	1,020	518
25	445	810	1,100	1,410	4,340	3,060	2,120	4,500	1,360	1,700	1,030	506
26	401	802	1,050	1,460	3,620	2,680	2,000	3,780	1,720	1,800	984	512
27	*401	762	914	1,360	2,980	2,310	1,940	2,750	1,510	1,900	914	608
28	478	866	906	1,360	*2,600	2,120	1,880	2,240	1,300	1,800	818	746
29	572	1,270	*1,010	1,310	-	1,940	1,630	2,240	1,190	1,500	810	662
30	542	1,560	1,410	1,280	-	1,780	1,780	2,060	*1,110	1,400	738	669
31	566	-	3,700	*1,230	-	*1,780	-	*1,940	-	1,300	*683	-
Total	13,407	23,035	44,950	58,390	119,380	67,320	75,370	70,110	42,370	45,745	35,961	18,819
Mean	432	768	1,450	1,884	4,264	2,172	2,512	2,262	1,412	1,476	1,160	627
Cfsm	0.298	0.530	1.00	1.30	2.94	1.50	1.73	1.56	0.974	1.02	0.800	0.432
In.	0.34	0.59	1.15	1.50	3.06	1.73	1.93	1.80	1.09	1.18	0.92	0.48

Calendar year 1954: Max 24,900 Min 340 Mean 2,072 Cfsm 1.43 In. 19.40

Water year 1954-55: Max 17,600 Min 340 Mean 1,685 Cfsm 1.16 In. 15.77

Peak discharge (base, 13,000 cfs).--Feb. 9 (1 p.m.) 18,000 cfs (14.3 ft).

* Discharge measurement made on this day.

Note.--No gage-height record July 14-31; discharge estimated on basis of recorded range in stage and records for station near Roswell.

Sweetwater Creek near Austell, Ga.

Location--Lat 33°46', long 84°37', on right bank 400 ft upstream from Blair Bridge, 3 miles southeast of Austell, Cobb County, and 5½ miles upstream from mouth.

Drainage area--246 sq mi.

Records available--May 1904 to December 1905, November to December 1913, March 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 857.01 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, staff gage at site 2½ miles upstream at different datum. Mar. 24 to Nov. 29, 1937, staff gage at present site and datum.

Average discharge--18 years (1937-55), 299 cfs.

Extremes--Maximum discharge during year, 2,680 cfs Feb. 8 (gage height, 8.5 ft); minimum daily, 2.1 cfs Oct. 9.

1904-5, 1913, 1937-55: Maximum discharge, 7,970 cfs Nov. 29, 1948 (gage height, 18.4 ft); minimum daily, that of Oct. 9, 1954.

Flood of July 8, 1916, reached a stage of about 20.0 ft, from information by local resident (discharge, 8,980 cfs, from rating curve extended above 6,500 cfs by logarithmic plotting).

Remarks--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 20-26)

Oct. 1-7		Oct. 8 to Nov. 19			Nov. 20 to Sept. 30				
-0.8	1.8	-0.7	2.1	+0.1	18	-0.4	11	1.0	122
-.7	2.5	-.5	3.5	.3	29	-.1	21	1.8	298
-.6	3.6	-.3	5.8	.4	38	.2	36	3.0	696
		-.1	10.			.6	70	8.0	2,480

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.2	9.8	61	276	133	211	162	122	92	47	49	19
2	3.6	11	55	484	*200	228	253	114	85	43	45	18
3	3.1	11	50	392	182	218	678	109	79	40	40	17
4	2.8	13	47	318	154	209	467	105	74	35	39	17
5	2.6	*22	51	229	142	193	353	100	71	40	94	17
6	2.4	22	140	180	887	207	353	98	68	80	65	19
7	2.3	18	106	156	2,290	335	501	90	91	140	75	17
8	*2.3	18	96	138	2,480	269	467	82	*90	129	60	16
9	2.1	17	82	131	1,800	222	392	78	82	249	70	14
10	2.3	17	80	235	588	209	320	75	75	180	44	13
11	*2.4	17	76	535	356	202	518	73	92	158	37	13
12	3.3	16	71	418	295	196	606	70	85	*315	34	12
13	7.1	17	72	335	251	269	642	101	78	174	31	12
14	7.8	16	80	244	218	236	1,250	204	71	122	27	12
15	*6.0	17	80	213	200	204	1,050	144	71	88	26	14
16	5.3	24	73	232	193	*193	786	151	70	73	182	27
17	5.3	32	69	213	335	211	467	207	65	66	238	28
18	5.3	28	154	162	359	207	341	374	59	67	92	23
19	5.8	*27	160	353	329	304	280	301	61	60	59	22
20	6.0	33	147	323	262	402	246	162	66	55	44	20
21	6.5	28	116	275	220	383	227	246	62	78	35	17
22	*7.6	27	*99	298	204	377	227	312	57	61	31	15
23	7.4	27	91	293	304	341	218	396	56	108	29	13
24	7.6	26	85	264	320	304	198	68	68	119	26	12
25	7.4	26	80	218	341	251	176	249	90	168	24	12
26	7.4	26	77	185	298	239	160	198	103	130	23	13
27	7.8	37	74	170	251	220	*149	160	88	88	22	14
28	*8.8	43	74	160	222	200	142	133	70	98	20	14
29	11	80	86	153	-	189	140	114	59	63	19	14
30	13	66	120	144	-----	176	131	109	54	55	17	14
31	10	-----	122	136	-----	170	-----	100	-----	51	*17	-----
Total	175.5	771.8	2,774	7,863	13,814	7,576	11,900	5,072	2,230	3,180	1,614	486
Mean	5.66	25.7	89.5	254	493	244	397	164	74.3	103	52.1	16.2
Cfsm	0.023	0.104	0.364	1.03	2.00	0.992	1.61	0.667	0.302	0.419	0.212	0.066
In.	0.03	0.12	0.42	1.19	2.08	1.14	1.80	0.77	0.34	0.48	0.24	0.07

Calendar year 1954: Max 3,310 Min 2.1 Mean 157 Cfsm 0.638 In. 8.67
Water year 1954-55: Max 2,480 Min 2.1 Mean 157 Cfsm 0.638 In. 8.68

Peak discharge (base, 1,800 cfs)--Feb. 8 (2 a.m.) 2,680 cfs (8.5 ft).

* Discharge measurement made on this day.

Snake Creek near Whitesburg, Ga.

Location--Lat 33°32', long 84°56', at downstream end of left bank pier of highway bridge at Banning Mills, 1.5 miles north of State Highway 16, 3 miles northwest of Whitesburg, Carroll County, 4 miles downstream from Little Snake Creek, and 7 miles upstream from mouth.

Drainage area--37 sq mi, approximately.

Records available--September 1954 to September 1955.

Gage--Water-stage recorder. Altitude of gage is 850 ft (from topographic map).

Extremes--Maximum discharge during year, 1,200 cfs Feb. 6 (gage height, 5.82 ft), minimum, 2.3 cfs Oct. 7 (gage height, 1.56 ft).

Remarks--Records good.

Rating table, Sept. 15, 1954 to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

1.5	1.5	2.1	26
1.6	2.8	2.5	74
1.7	4.8	3.0	166
1.8	7.8	3.6	322
1.9	12		

Discharge, in cubic feet per second, 1954

Sept. 15.....	*4.2	Sept. 23.....	*2.7
16.....	4.2	24.....	2.7
17.....	*4.8	25.....	2.7
18.....	4.8	26.....	2.7
19.....	4.2	27.....	2.8
20.....	3.0	28.....	2.7
21.....	2.7	29.....	2.4
22.....	2.5	30.....	2.8

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	6.3	*12	84	20	30	22	30	20	13	15	9.5
2	3.2	6.6	12	64	*20	36	33	29	19	12	15	8.2
3	2.8	*6.3	12	37	20	30	31	28	18	11	12	7.8
4	3.0	9.1	12	30	12	29	29	27	18	11	12	9.1
5	2.8	16	20	26	19	27	31	27	17	13	11	9.1
6	2.7	9.1	34	24	310	33	31	25	18	29	11	8.2
7	2.4	8.2	16	22	106	36	86	24	43	14	11	7.8
8	2.7	8.2	14	20	60	30	54	24	*23	14	23	6.6
9	3.2	8.2	17	20	48	28	43	24	20	24	14	6.6
10	3.2	8.2	15	58	42	30	48	23	21	25	12	6.6
11	3.2	8.2	14	43	40	28	98	22	24	20	11	7.8
12	4.0	8.2	13	29	34	27	67	22	19	24	16	6.9
13	4.6	8.2	16	26	32	29	152	24	18	*32	13	6.9
14	4.4	8.2	14	24	30	30	280	27	18	19	9.9	7.5
15	5.7	9.1	13	28	30	27	85	26	20	15	9.9	6.9
16	4.4	24	13	31	30	*27	67	29	17	15	12	6.0
17	4.6	17	14	27	71	27	59	27	17	14	13	5.4
18	5.1	13	33	31	49	29	53	24	16	13	9.9	5.1
19	4.8	12	20	53	40	62	48	24	16	12	7.5	5.4
20	4.8	11	17	35	36	63	44	24	17	12	7.5	5.1
21	*5.1	11	16	32	33	53	44	58	14	16	55	4.6
22	5.1	10	*16	42	33	49	41	40	14	14	18	4.4
23	5.1	11	15	32	36	41	38	31	14	19	14	4.4
24	5.4	10	14	29	37	38	36	30	30	16	11	4.4
25	5.4	9.9	14	27	36	36	33	36	31	21	10	11
26	5.4	9.9	14	24	33	36	32	26	19	23	9.5	9.9
27	5.4	12	14	24	32	33	*33	24	16	15	9.5	9.1
28	5.4	20	14	23	30	32	35	22	15	19	9.1	8.6
29	6.6	21	24	22	-	32	33	24	14	23	8.6	7.8
30	6.3	13	21	21	-----	30	31	23	13	23	7.8	9.1
31	6.3	-----	17	20	-----	30	-----	21	-----	16	*9.1	-----
Total	137.3	332.9	510	1,008	1,326	1,068	1,724	845	579	547	477.2	215.8
Mean	4.43	11.1	16.5	32.5	47.4	34.5	57.5	27.3	19.3	17.6	15.4	7.19
Cfsm	0.120	0.300	0.446	0.878	1.28	0.932	1.55	0.738	0.522	0.476	0.416	0.194
In.	0.14	0.83	0.51	1.01	1.33	1.07	1.73	0.85	0.58	0.55	0.48	0.22

Calendar year 1954: Max - Min - Mean - Cfsm - In. -
 Water year 1954-55: Max 310 Min 2.4 Mean 24.0 Cfsm 0.649 In. 8.80

* Discharge measurement made on this day.

Yellowjacket Creek near La Grange, Ga.

Location.--Lat 33°05'25", long 85°03'45", at downstream end of right bank pier of bridge on State Highway 219, 1½ miles downstream from Beach Creek, 2 miles upstream from Jackson Creek, and 4½ miles northwest of La Grange, Troup County.

Drainage area.--182 sq mi.

Records available.--January 1951 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 601 ft (by barometer).

Extremes.--Maximum discharge during year, 1,720 cfs Apr. 15 (gage height, 8.63 ft); minimum, 4.6 cfs Oct. 6.
1951-55: Maximum discharge, 6,870 cfs Mar. 5, 1952 (gage height, 11.28 ft); minimum, that of Oct. 6, 1954.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 2 to Dec. 6, May 25 to July 15, July 30 to Sept. 1).

0.7	4.9	4.0	225
1.0	10	6.0	550
1.4	21	7.0	820
2.0	47	8.0	1,240
2.5	78	9.0	2,050
3.0	118		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.0	17	50	203	110	140	118	88	57	25	114	64
2	6.5	18	46	410	110	136	122	82	53	25	122	54
3	6.0	20	44	*461	106	127	132	77	49	23	171	38
4	5.5	23	43	314	102	122	122	74	46	22	100	33
5	5.2	35	48	195	100	118	136	70	44	22	81	32
6	5.4	37	76	155	269	118	171	67	*43	22	72	31
7	*6.7	33	110	136	745	150	441	62	46	71	67	31
8	7.2	28	90	118	908	150	625	59	44	155	69	27
9	9.1	27	73	110	*675	127	517	55	40	94	66	22
10	8.3	27	75	118	322	122	290	52	38	73	56	20
11	7.6	*26	68	165	237	122	354	50	32	110	51	21
12	7.4	27	62	165	195	118	358	48	90	135	48	22
13	14	28	77	136	171	114	306	48	61	237	46	21
14	12	29	102	118	155	*110	968	52	50	243	42	20
15	12	30	90	114	150	106	1,560	52	54	314	40	22
16	11	38	75	145	145	106	1,290	87	62	247	39	21
17	10	48	70	183	171	93	482	102	55	93	40	19
18	11	46	106	183	201	98	298	78	48	*78	40	17
19	12	40	114	394	171	118	237	65	45	64	36	16
20	12	38	96	480	150	250	207	59	47	132	34	16
21	*12	38	82	370	140	370	183	85	45	346	38	15
22	13	37	75	262	136	402	171	132	40	410	40	14
23	14	37	71	237	150	386	160	118	37	213	40	13
24	14	38	68	201	165	276	145	110	37	155	35	12
25	14	37	65	171	201	207	*132	177	38	150	32	12
26	14	36	63	150	183	177	118	155	39	155	31	14
27	14	36	63	140	160	155	110	106	38	150	30	15
28	14	40	63	136	150	140	106	83	33	110	28	16
29	15	56	68	127	-	136	101	72	31	249	*25	16
30	15	57	84	122	-----	127	94	68	28	321	23	16
31	15	-----	82	114	-----	122	-----	62	-----	145	21	-----
Total	328.9	1,027	2,297	6,333	6,478	5,043	10,034	2,495	1,430	4,654	1,677	690
Mean	10.6	34.2	74.1	204	231	163	354	80.5	47.7	150	54.1	23.0
Cfsm	0.056	0.188	0.407	1.12	1.27	0.896	1.84	0.442	0.262	0.824	0.297	0.126
In.	0.07	0.21	0.47	1.29	1.32	1.03	2.05	0.51	0.29	0.95	0.34	0.14

Calendar year 1954: Max 790 Min 5.2 Mean 115 Cfsm 0.632 In. 8.64
Water year 1954-55: Max 1,560 Min 5.2 Mean 116 Cfsm 0.637 In. 8.67

Peak discharge (base, 850 cfs).--Feb. 8 (10 p.m.) 942 cfs (7.34 ft); Apr. 15 (10 p.m.) 1,720 cfs (8.63 ft).

* Discharge measurement made on this day.

Chattahoochee River at West Point, Ga.

Location--Lat 32°53', long 85°11', on right bank just downstream from Oseligee Creek, at West Point, Troup County, 1 mile upstream from bridge on U. S. Highway 29 and at mile 198.9.

Drainage area--3,550 sq mi, approximately.

Records available---July 1896 to December 1910, January 1912 to September 1955. Gage-height records collected at site three-quarters of a mile downstream since 1899 are contained in reports of U. S. Weather Bureau.

Gage---Water-stage recorder. Datum of gage is 551.67 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Oct. 20, 1912, chain gage at site three-quarters of a mile downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, staff gage at site 500 ft upstream at present datum.

Average discharge---57 years (1896-1910, 1912-55), 5,620 cfs.

Extremes---Maximum discharge during year, 24,000 cfs Feb. 8 (gage height, 13.5 ft); minimum, 350 cfs Oct. 10 (gage height, 1.50 ft).
1896-1910, 1912-55: Maximum discharge, 134,000 cfs Dec. 10, 1919 (gage height, 30.0 ft, from floodmark), by computation of peak flow over Goat Rock Dam; minimum, 224 cfs Sept. 12, 1925 (gage height, 1.64 ft).

Remarks---Records good. Slight diurnal fluctuation caused by powerplants above station.

Revisions (water years)---WSP 682: 1920, drainage area. WSP 972: 1931-32.

Rating table, water year 1954-55 (gage height, in feet, and
discharge, in cubic feet per second)
(Shifting-control method used Apr. 16 to May 15)

1.5	350	6.0	7,000
2.0	740	11.0	17,500
2.5	1,240	14.0	25,500
3.0	1,910		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*g399	732	1,960	4,300	2,470	4,720	3,440	2,950	2,870	1,540	2,550	1,200
2	g364	732	2,010	9,750	2,390	4,380	3,440	2,790	2,710	1,440	2,390	1,150
3	g378	749	1,850	*8,990	2,390	4,210	3,700	2,710	2,470	1,430	2,470	1,080
4	g460	732	1,520	7,360	2,950	3,960	4,720	2,550	2,230	1,380	2,070	1,050
5	g476	794	1,410	5,570	2,710	3,870	4,550	2,470	2,150	1,320	1,910	1,040
6												
7	g468	940	1,990	4,210	4,910	3,700	5,740	2,390	*2,070	1,370	2,010	1,040
8	508	1,120	2,870	3,440	18,000	3,960	8,080	2,390	2,390	1,530	2,230	1,030
9	g436	980	3,560	3,030	23,100	5,060	9,940	2,230	2,630	2,310	2,150	1,000
10	g371	980	3,870	7,710	*20,000	4,550	7,360	2,230	2,230	2,230	2,470	900
11	g364	970	2,790	2,710	19,500	4,120	5,920	2,020	2,070	2,070	2,470	830
12												
13	g452	870	2,310	4,550	20,000	3,960	7,000	1,940	2,390	3,110	2,230	850
14	g500	840	2,070	6,820	12,300	3,780	7,180	1,790	2,470	3,110	1,900	812
15	532	860	2,390	5,400	5,920	3,530	7,000	1,780	2,390	2,950	1,900	860
16	580	910	2,230	4,550	5,060	*3,700	16,500	1,990	2,230	3,620	1,680	830
17	516	910	1,990	3,700	4,550	3,780	18,800	2,630	2,230	3,360	1,490	840
18												
19	g460	1,060	1,840	3,700	4,210	3,620	11,700	4,550	2,070	2,950	1,420	821
20	g452	1,940	1,930	3,960	4,550	3,620	8,620	4,550	2,010	2,790	1,640	732
21	524	1,510	2,310	3,780	5,400	3,530	6,820	2,100	1,840	2,630	2,310	749
22	548	1,360	2,710	5,920	4,890	3,700	5,920	4,550	1,700	*2,310	1,670	732
23	564	1,370	2,630	5,920	4,380	6,280	5,060	5,920	1,780	3,280	1,610	700
24												
25	564	1,440	2,550	5,230	4,120	7,000	4,720	4,720	1,790	2,630	1,620	692
26	500	1,310	2,470	4,890	5,870	5,920	4,720	4,720	1,860	3,280	1,560	684
27	468	1,360	2,150	3,780	3,780	5,740	4,550	4,380	1,910	2,870	1,470	596
28	556	1,380	1,900	4,210	4,300	5,060	4,210	4,550	1,910	4,120	1,490	532
29	644	1,210	1,800	3,780	5,230	5,570	*4,120	5,570	2,150	5,060	1,320	572
30												
31	644	1,110	1,730	3,280	6,640	5,570	3,780	6,820	2,390	3,960	1,350	628
1	652	1,140	1,660	3,030	6,100	4,890	3,530	5,720	2,550	3,440	1,290	676
2	628	1,210	1,610	2,950	5,230	4,380	3,560	4,550	2,470	3,110	1,240	708
3	596	1,700	1,560	2,790	-----	4,040	3,190	3,620	1,990	3,700	*1,140	794
4	556	2,010	1,860	2,630	-----	3,870	5,030	3,360	1,680	5,060	1,070	830
5	636	-----	2,040	2,550	-----	3,620	-----	3,190	-----	3,440	3,040	-----
Total	15,796	34,229	67,370	140,600	208,950	137,690	190,700	109,540	65,630	87,400	55,160	24,958
Mean	510	1,141	2,173	4,535	7,462	4,442	6,357	3,534	2,188	2,819	1,779	832
Cfsm	0.144	0.321	0.612	1.28	2.10	1.25	1.79	0.995	0.616	0.794	0.501	0.234
In.	0.17	0.36	0.71	1.48	2.19	1.44	2.00	1.15	0.69	0.92	0.58	0.26
Calendar year 1954: Max	24,600			Min 364		Mean 3,437		Cfsm 0.968		In. 13.14		
Water year 1954-55: Max	23,100			Min 364		Mean 3,118		Cfsm 0.878		In. 11.95		

Peak discharge (base, 25,000 cfs).--No peak above base.

* Discharge measurement made on this day.

g Computed from once-daily staff-gage readings.

Mountain Creek near Hamilton, Ga.

Location--Lat 32°44', long 85°04', at downstream end of right bank pier of bridge on State Highway 103, 5 miles upstream from mouth and 11 miles west of Hamilton, Harris County.

Drainage area--61.7 sq mi.

Records available--December 1943 to September 1955.

Gage--Water-stage recorder. Altitude of gage is 550 ft (by barometer). Prior to Sept. 8, 1950, wire-weight gage at same site and datum.

Average discharge--11 years (1944-55), 80.7 cfs.

Extremes--Maximum discharge during year, 630 cfs Apr. 14 (gage height, 3.50 ft); minimum, 5.2 cfs Oct. 6.

1943-55: Maximum discharge, 11,800 cfs July 11, 1948 (gage height, 16.6 ft, from floodmark), from rating curve extended above 7,000 cfs on basis of slope-conveyance studies; minimum, that of Oct. 6, 1954.

Remarks--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.4	4.8	2.1	78
1.5	7.0	2.3	129
1.8	10	2.5	195
1.7	16	3.0	390
1.8	26	4.0	920
1.9	40		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.1	8.4	12	148	30	49	39	33	25	15	49	14
2	6.1	9.1	13	141	32	47	40	30	23	15	33	10
3	5.7	9.1	12	*64	29	44	42	29	22	14	27	9.4
4	5.5	9.8	12	44	27	44	39	26	21	14	42	9.4
5	5.7	14	11	36	29	49	39	26	20	26	34	9.4
6	5.5	12	26	33	178	45	40	25	*20	20	26	9.8
7	5.7	9.8	21	29	382	51	148	23	20	16	25	9.4
8	5.9	9.8	15	26	148	47	118	22	19	16	21	8.4
9	6.3	9.8	15	24	*90	42	76	21	18	22	21	7.7
10	6.1	9.8	16	26	70	40	76	20	18	33	18	7.4
11	5.7	*9.8	14	32	64	40	160	19	25	177	16	7.7
12	5.9	9.8	14	26	53	40	121	18	20	70	15	8.0
13	6.8	10	21	24	47	39	166	17	17	42	15	14
14	7.4	10	21	22	44	39	605	20	17	45	14	9.4
15	6.8	12	16	23	42	*39	355	19	19	33	13	9.4
16	6.1	16	15	36	40	37	160	45	23	26	13	8.8
17	6.6	25	15	47	51	36	113	45	21	22	12	8.0
18	6.8	15	21	50	49	34	90	29	18	20	12	8.4
19	7.0	13	20	164	44	60	78	25	20	*22	11	7.7
20	7.0	12	16	80	40	144	70	23	18	67	12	7.4
21	*7.0	12	15	60	37	124	64	39	16	47	14	7.0
22	7.0	12	15	58	36	90	62	72	16	83	12	6.8
23	7.0	13	15	53	40	70	53	51	15	62	12	6.6
24	7.0	14	15	49	51	62	49	51	16	70	12	6.3
25	7.0	12	14	44	68	56	*45	80	99	105	12	6.3
26	7.0	12	14	40	58	53	40	54	36	78	11	6.3
27	7.0	12	14	37	54	47	39	40	29	51	11	6.8
28	6.8	14	14	36	49	44	37	33	22	39	10	7.0
29	7.7	16	18	33	-	42	36	30	19	32	*9.4	6.8
30	8.0	15	27	32	-	42	34	29	16	94	9.1	6.6
31	8.0	-	21	32	-	40	-	26	-	54	8.8	-
Total	204.2	366.2	508	1,549	1,882	1,636	3,034	1,020	688	1,430	550.3	250.2
Mean	6.59	12.2	16.4	50.0	67.2	52.8	101	32.9	22.9	46.1	17.8	8.34
Cfsm	0.107	0.198	0.266	0.810	1.09	0.856	1.64	0.533	0.371	0.747	0.288	0.135
In.	0.12	0.22	0.31	0.93	1.14	0.99	1.83	0.61	0.41	0.86	0.33	0.15
Calendar year 1954: Max	259			Min 5.5		Mean 42.4		Cfsm 0.687		In. 9.32		
Water year 1954-55: Max	605			Min 5.5		Mean 35.9		Cfsm 0.582		In. 7.90		

Peak discharge (base, 1,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Chattahoochee River at Columbus, Ga.

Location.--Lat 32°27'45", long 84°59'45", on downstream side of center pier of Central of Georgia Railway bridge at Columbus, Muscogee County, half a mile downstream from Eagle and Phenix Dam, 1½ miles downstream from City Mills Dam, 17½ miles downstream from Bartlett Ferry Reservoir, and at mile 159.5.

Drainage area.--4,670 sq mi, approximately.

Records available.--December 1912, August 1929 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 185.14 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Dec. 1-31, 1912, staff gage at site 800 ft upstream at same datum.

Average discharge.--26 years, 6,480 cfs (unadjusted).

Extremes.--Maximum discharge during year, 30,300 cfs Apr. 15 (gage height, 19.0 ft); minimum daily, 600 cfs Oct. 3, 4.

1912, 1929-55: Maximum discharge, 104,000 cfs Nov. 28, 1948, by computation of flow at North Highlands Dam; maximum gage height, 42.4 ft Nov. 28, 1948; minimum discharge, 294 cfs Oct. 23, Nov. 14, 1931; minimum daily, 480 cfs Oct. 31, 1931.

Maximum discharge known, 198,000 cfs Mar. 15, 1929, by computation of flow at North Highlands Dam; maximum stage known, 53.2 ft Mar. 16, 1929.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Flow regulated by Bartlett Ferry Reservoir completed in 1926 (usable capacity, 134,000 acre-ft).

Cooperation.--Hourly readings of tailrace at North Highlands Dam furnished by Georgia Power Co.

Revisions (water years).--WSP 1082: 1943(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 5)

Oct. 1 to Jan. 5

Jan. 6 to May 25

May 26 to Sept. 30

-1.5	580	0.5	1,920	-1.3	820
-4	1,230	3.0	4,080	1.0	2,600
2.6	3,870	11.0	15,100	4.0	5,210
6.0	8,220	18.0	28,200	9.0	12,100

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	720	800	1,230	4,920	3,270	6,170	4,740	2,510	3,320	2,100	5,600	1,810
2	720	700	1,270	5,170	2,430	5,440	2,910	3,240	1,500	6,400	1,730	
3	800	700	1,270	7,800	2,670	5,320	2,830	3,470	3,000	1,500	5,600	1,490
4	800	800	1,270	6,470	2,830	5,200	3,570	2,130	2,680	1,500	5,200	1,400
5	840	750	1,430	6,730	2,350	4,740	5,200	2,590	2,390	1,800	4,500	1,360
6	640	730	1,590	8,730	3,950	4,080	5,080	2,590	2,320	1,800	3,600	1,360
7	640	730	*2,270	5,440	10,400	4,300	7,890	2,670	2,600	*1,600	3,500	1,360
8	640	810	2,850	4,740	24,500	4,850	10,000	2,130	3,000	1,970	3,500	1,400
9	800	860	2,850	4,080	23,100	*4,850	9,430	2,510	3,000	2,320	3,500	1,400
10	800	840	2,760	3,970	18,600	4,630	8,870	2,590	3,080	2,320	3,500	1,360
11	660	1,230	2,850	4,740	20,200	4,960	10,200	2,270	3,080	3,320	3,300	1,310
12	660	1,160	2,850	4,850	15,400	4,410	9,710	2,200	2,760	4,630	2,900	1,310
13	660	730	2,940	6,040	10,200	3,870	10,200	3,180	2,820	5,000	2,600	1,310
14	660	740	2,850	5,860	8,150	4,190	19,500	1,990	5,000	5,320	2,400	1,310
15	660	800	2,850	4,850	6,730	4,080	28,200	1,920	3,080	5,560	2,100	1,310
16	740	1,080	2,850	4,520	8,730	4,080	16,700	2,910	3,080	4,450	2,100	*1,400
17	740	1,390	2,850	4,080	9,430	3,000	11,500	8,170	3,000	2,110	2,110	840
18	680	1,270	2,350	*5,560	9,150	3,000	10,200	6,950	2,390	2,680	*1,900	840
19	680	1,310	2,190	7,210	8,870	3,870	9,290	6,560	2,390	3,080	2,250	840
20	680	1,230	2,350	6,300	8,030	4,300	8,870	5,080	2,390	3,240	2,180	840
21	680	1,230	2,940	7,750	4,080	5,200	8,730	5,800	2,320	3,560	2,180	860
22	680	1,230	2,940	7,080	3,970	9,430	8,310	5,800	2,100	4,200	2,250	883
23	700	1,310	2,940	6,430	3,180	8,590	5,080	7,210	1,800	5,200	2,180	1,000
24	780	1,270	2,670	6,430	3,870	6,690	3,870	4,630	2,200	6,600	2,460	939
25	780	1,230	2,270	5,200	5,080	6,820	3,470	*7,470	2,500	8,400	1,690	939
26	700	1,230	2,190	4,520	4,960	5,560	5,080	8,730	2,600	12,000	1,730	925
27	*700	1,310	2,310	3,970	4,850	4,850	*4,300	7,610	2,900	9,000	1,770	946
28	740	1,310	2,850	3,570	5,800	4,740	3,770	5,210	3,100	8,000	1,730	*1,040
29	740	1,310	3,030	3,090	5,200	3,090	4,630	3,300	3,300	7,200	1,730	932
30	800	1,230	2,940	2,350	-----	4,960	2,590	4,180	2,600	6,000	1,730	911
31	800	-----	3,030	3,090	-----	4,960	-----	3,400	-----	5,000	1,610	-----
Total	21,720	31,320	76,030	165,280	237,780	156,340	243,940	132,000	82,140	132,960	89,990	35,355
Mean	701	1,044	2,453	5,332	8,492	5,043	8,131	4,258	2,738	4,289	2,903	1,178
(\bar{x})	-114	+185	+130	+293	0	+98	+202	+16	0	+150	-374	-252

Adjusted for change in contents in Bartlett Ferry Reservoir

Mean Cfs	587	1,229	2,583	5,625	8,492	5,141	8,333	4,274	2,738	4,419	2,529	926
In.	0.126	0.263	0.553	1.20	1.82	1.10	1.78	0.915	0.586	0.946	0.542	0.198
In.	0.15	0.29	0.64	1.38	1.90	1.27	1.99	1.05	0.65	1.09	0.82	0.22

	Observed						Adjusted					
Calendar year 1954:	Max	24,000	Min	600	Mean	4,048	Mean	4,049	Cfs	0.867	In.	11.77
Water year 1954-55:	Max	28,200	Min	600	Mean	3,849	Mean	3,875	Cfs	0.830	In.	11.25

* Discharge measurement made on this day.

† Change in contents in Bartlett Ferry Reservoir, equivalent in cubic feet per second; furnished by Georgia Power Co.

Note.--No gage-height record Oct. 1 to Nov. 10, Nov. 13-16, June 22 to July 7, July 22 to Aug. 18, Sept. 16-21; discharge estimated on basis of 4 discharge measurements, weather records, records for North Highland Dam, and records for stations at Eufaula, Ala. and at Columbia, Ala.

Barbour Creek near Eufaula, Ala.

Location.--Lat 31°52', long 85°09', in E $\frac{1}{2}$ sec. 7, T. 10 N., R. 29 E., on downstream side of pier of bridge on U. S. Highway 431, 2 miles south of Eufaula and 3 miles upstream from mouth.

Drainage area.--93.3 sq mi.

Records available.--October 1953 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 143.07 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Extremes.--Maximum discharge during year, 2,560 cfs Feb. 6 (gage height, 11.17 ft); minimum daily, 3.2 cfs Oct. 4, 5.

1953-55: Maximum discharge, 4,010 cfs Dec. 6, 1953 (gage height, 15.18 ft); minimum daily, 2.3 cfs Sept. 8, 1954.

Remarks.--Records good above and fair below 50 cfs except those for periods of no gage-height record, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 2-26)

Oct. 1 to Feb. 5

Feb. 6 to Sept. 30

-0.4	2.0	-0.1	4.2	1.7	156
-2	8.0	0.0	7.3	4.0	540
.1	21	.1	12	7.0	1,260
1.0	64	.4	31	9.0	1,830
		1.0	83		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	8.0	15	18	21	30	20	24	18	12	50	14
2	3.5	8.8	14	20	21	*30	24	22	16	9.6	46	9.6
3	3.5	8.0	14	20	20	30	24	20	14	8.7	33	8.7
4	3.2	9.6	14	18	18	*30	22	18	13	8.2	33	13
5	3.2	14	16	16	20	25	24	*17	12	7.3	28	19
6	3.8	14	30	16	863	24	43	16	11	7.0	26	12
7	15	12	26	15	617	22	*41	15	11	9.2	21	9.6
8	15	11	18	15	181	20	52	14	*9.2	8.2	19	7.8
9	10	10	18	15	118	20	35	13	8.7	41	16	7.0
10	8.4	10	18	18	105	20	37	12	8.7	54	13	7.0
11	7.4	10	16	21	72	21	82	11	16	130	11	7.3
12	10	10	16	19	66	20	86	12	16	83	11	7.3
13	*15	10	33	17	54	20	200	12	10	65	9.2	10
14	12	11	40	15	49	19	*1,700	13	8.7	45	8.2	12
15	8.8	12	23	17	45	19	*322	16	13	34	7.3	11
16	6.8	16	20	30	42	20	160	24	39	29	7.0	10
17	6.5	22	18	57	40	19	100	20	62	22	7.0	8.7
18	7.1	16	20	51	38	19	110	21	25	20	6.7	7.3
19	7.1	14	23	82	36	19	100	25	16	15	7.0	7.0
20	6.8	*13	*18	49	35	20	83	25	14	25	11	6.4
21	6.8	12	17	35	35	24	74	134	12	14	68	5.8
22	7.7	12	16	35	35	24	65	192	9.6	13	28	5.4
23	7.1	13	17	36	39	23	57	80	8.2	37	16	5.1
24	7.4	13	16	37	37	21	51	57	8.2	36	19	4.8
25	7.1	12	16	35	35	21	46	69	*7.8	*23	19	5.1
26	7.4	12	15	29	34	20	41	123	14	20	*14	4.8
27	7.4	16	15	26	32	19	36	59	56	111	13	5.1
28	7.4	26	16	25	31	18	32	37	41	44	12	5.4
29	8.0	26	20	23	-	20	29	28	23	28	9.6	5.8
30	8.0	22	22	22	22	20	26	25	16	242	8.2	6.1
31	8.0	-----	19	*22	-----	20	-----	22	-----	69	7.8	-----
Total	238.9	413.4	599	854	2,939	677	3,722	1,176	539.1	1,270.2	585	248.1
Mean	7.71	13.8	19.3	27.5	105	21.8	124	37.9	18.0	41.0	18.9	8.27
Cfsm	0.083	0.148	0.207	0.295	1.13	0.234	1.33	0.406	0.193	0.439	0.203	0.089
In.	0.10	0.16	0.24	0.34	1.17	0.27	1.48	0.47	0.21	0.51	0.23	0.10

Calendar year 1954: Max 504 Min 2.3 Mean 45.9 Cfsm 0.492 In. 6.69

Water year 1954-55: Max 1,700 Min 3.2 Mean 36.3 Cfsm 0.389 In. 5.28

Peak discharge (base, 2,000 cfs).--Feb. 6 (6 p.m.) 2,560 cfs (11.17 ft); Apr. 14 (time unknown) 2,220 cfs (10.2 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Feb. 11 to Mar. 1, Apr. 11-14, Apr. 16 to May 4; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

Chattahoochee River at Columbia, Ala.

Location.--Lat 31°17', long 85°07', in T. 4 N., R. 29 E., on downstream side of pier of bridge on State Highway 52, a quarter of a mile downstream from Central of Georgia Railway bridge, half a mile upstream from Omussee Creek, half a mile east of Columbia, and at mile 48.9.

Drainage area.--8,040 sq mi, approximately.

Records available.--July 1928 to September 1955. Gage-height records collected at same site since 1936 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 72.23 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Corps of Engineers).

Average discharge.--27 years, 10,700 cfs.

Extremes.--Maximum discharge during year, 39,500 cfs Apr. 16 (gage height, 28.0 ft); minimum, 1,160 cfs Oct. 6 (gage height, 2.40 ft).
1928-55: Maximum discharge, 203,000 cfs Mar. 18, 1929 (gage height, 56.05 ft), from rating curve extended above 115,000 cfs; minimum, that of Oct. 6, 1954.

Remarks.--Records good. Flow regulated by Bartlett's Ferry Reservoir (see p. 165).

Rating table, water year 1954-55 (gage-height, in feet, and discharge, in cubic feet per second)

2.5	1,210	8.0	6,000
3.0	1,490	14.0	14,200
5.0	3,000	28.0	39,500

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,490	1,370	2,640	4,100	4,000	7,080	6,360	4,600	5,340	3,810	7,440	2,820
2	1,430	1,370	2,560	4,500	4,600	7,920	6,480	4,100	4,300	3,630	6,240	3,630
3	1,430	1,340	2,400	7,680	4,700	7,800	6,120	3,900	4,200	3,180	9,660	3,360
4	1,450	1,370	2,400	8,960	4,100	7,320	5,340	4,400	4,100	2,320	8,540	3,540
5	1,370	1,460	2,400	9,240	4,100	7,200	4,600	4,600	3,810	2,170	7,320	3,180
6	1,210	1,580	2,640	7,920	4,600	6,960	5,560	3,540	3,360	2,400	7,440	2,730
7	1,460	1,820	2,910	8,680	12,200	6,240	6,720	3,720	3,090	2,730	5,890	2,640
8	1,750	1,820	3,000	9,100	18,900	5,780	7,680	3,810	3,000	2,640	4,800	2,480
9	1,550	1,750	3,450	6,720	27,500	6,000	11,100	3,630	*3,180	2,480	5,120	2,400
10	1,460	1,720	4,000	5,890	*30,200	6,480	12,000	3,270	3,540	3,270	5,340	2,320
11	1,370	1,820	3,900	5,450	24,900	6,360	11,900	3,450	3,630	5,450	5,230	2,240
12	1,310	1,750	3,810	5,560	24,000	6,240	13,600	3,630	3,810	9,520	5,120	2,170
13	1,400	1,960	4,000	6,240	21,800	6,480	15,500	3,360	3,810	12,900	4,700	2,320
14	1,430	2,100	4,300	6,360	15,000	5,780	21,800	3,270	3,450	12,500	4,300	2,400
15	1,400	1,960	4,400	7,200	12,000	5,560	35,600	4,000	3,450	9,240	3,720	2,400
16	1,340	1,820	4,200	6,840	11,100	5,780	38,700	3,540	3,900	8,540	3,270	2,320
17	1,310	1,890	4,000	6,840	10,800	5,780	32,000	3,630	4,500	8,040	2,910	2,400
18	1,280	2,170	4,000	7,080	11,300	*5,340	19,800	6,120	4,300	5,890	3,090	2,400
19	1,280	2,480	4,000	7,900	12,300	4,600	14,700	8,920	4,000	3,900	3,090	2,170
20	1,280	2,560	3,630	10,200	11,900	4,700	12,900	6,160	3,360	3,900	3,090	1,890
21	1,340	2,480	3,360	11,100	11,200	5,780	11,900	7,560	3,090	4,500	3,630	*1,890
22	*1,310	2,400	3,450	10,100	8,680	6,840	11,500	10,900	3,000	5,010	3,630	1,750
23	1,280	2,400	3,900	10,200	6,600	9,520	11,200	14,500	2,910	5,450	3,360	1,750
24	1,280	2,400	3,900	9,380	6,000	11,300	9,520	11,300	2,730	6,480	3,450	1,680
25	1,340	2,400	3,810	8,960	5,670	9,800	6,960	9,520	2,480	7,920	3,720	1,680
26	1,310	2,320	3,630	8,280	6,840	8,400	5,780	10,800	2,560	10,800	3,720	1,640
27	1,310	2,320	3,450	7,080	7,560	7,920	6,120	13,200	2,820	18,100	3,090	1,640
28	1,310	2,560	*3,180	6,360	7,200	7,080	6,480	11,200	3,540	15,300	3,090	1,640
29	1,310	2,820	3,450	5,560	-	6,120	*5,780	8,960	3,900	10,900	*3,090	1,680
30	1,370	2,820	4,100	5,230	-----	6,360	5,340	6,720	4,000	11,200	2,820	1,640
31	1,370	-	4,200	4,600	-----	6,480	-----	6,000	-----	9,660	2,640	-----
Total	42,510	61,030	109,070	229,410	329,750	211,000	369,040	198,210	107,160	213,830	142,480	68,800
Mean	1,371	2,034	3,518	7,400	11,780	6,906	12,300	6,394	3,572	6,999	4,595	2,293
Cfsm	0.171	0.253	0.438	0.920	1.47	0.847	1.53	0.795	0.444	0.858	0.572	0.285
In.	0.20	0.28	0.50	1.06	1.53	0.98	1.71	0.92	0.50	0.99	0.66	0.32

Calendar year 1954: Max 27,200 Min 1,210 Mean 6,155 Cfsm 0.766 In. 10.40
Water year 1954-55: Max 38,700 Min 1,210 Mean 5,705 Cfsm 0.710 In. 9.65

* Discharge measurement made on this day.

Flint River near Griffin, Ga.

Location.--Lat 33°14', long 84°26', near left bank at downstream side of pier of bridge on State Highway 16, 1½ miles downstream from Shoal Creek, 5½ miles upstream from Line Creek, 10 miles west of Griffin, Spalding County, and at mile 304.4.

Drainage area.--272 sq mi.

Records available.--March 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 711.44 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to May 6, 1941, wire-weight gage at same site, at datum 3.00 ft higher. Prior to Aug. 25, 1938, and at present datum thereafter.

Average discharge.--18 years, 320 cfs.

Extremes.--Maximum discharge during year, 2,320 cfs Apr. 14 (gage height, 10.66 ft); minimum daily, 2.5 cfs Oct. 20.

1937-55: Maximum discharge, 13,200 cfs Nov. 27, 1948 (gage height, 18.0 ft); minimum daily, that of Oct. 20, 1954.

Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, from floodmark located by local resident (discharge, 15,300 cfs).

Remarks.--Records good. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 2½ cfs from tributary above station to Towallga River for municipal supply.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*5.5	7.2	104	285	150	261	166	114	73	84	361	168
2	5.7	6.9	118	670	146	231	166	107	66	68	293	174
3	5.5	7.2	121	815	142	216	170	101	60	61	170	104
4	5.5	7.4	98	*670	138	211	174	98	56	55	132	78
5	*5.3	16	89	565	135	206	178	95	54	53	107	68
6	5.0	27	128	525	256	196	196	86	53	70	98	63
7	5.3	31	182	345	615	231	393	81	*48	101	95	60
8	12	26	146	226	990	255	507	78	49	178	118	56
9	16	26	146	183	990	267	453	76	46	196	104	48
10	13	23	150	170	*1,280	300	462	70	45	243	104	44
11	9.5	21	128	211	830	279	535	66	46	196	124	42
12	*6.9	*20	114	307	489	243	462	62	48	221	104	39
13	6.7	25	138	345	307	226	393	61	60	249	84	37
14	6.3	25	158	401	243	221	1,500	66	70	196	70	38
15	*5.7	30	150	401	216	211	1,800	81	*66	192	63	46
16	4.2	45	138	307	201	*221	1,170	95	60	162	60	44
17	5.4	78	124	293	231	231	1,030	135	54	154	54	38
18	2.9	*92	121	293	273	211	785	118	49	135	48	42
19	2.6	86	121	498	267	261	462	95	54	104	44	41
20	2.5	101	121	585	255	435	314	86	61	*101	46	*54
21	*2.9	98	121	507	243	462	255	132	57	135	48	30
22	3.9	81	114	453	211	489	221	616	50	178	56	26
23	4.1	84	104	426	211	545	211	625	46	214	78	24
24	4.1	89	98	361	300	498	206	435	76	702	159	23
25	4.8	78	95	314	480	385	196	353	400	695	211	23
26	7.2	70	92	273	435	307	*166	293	525	585	142	25
27	5.9	66	89	231	353	243	146	201	231	708	95	27
28	4.8	66	86	201	300	216	135	142	162	595	70	34
29	*4.5	78	89	183	-	196	124	110	166	507	60	40
30	5.0	95	107	166	-----	183	118	92	124	417	*50	39
31	8.5	-----	110	158	-----	170	-----	81	-----	369	54	-----
Total	186.2	1,507.7	3,680	11,368	10,887	8,607	13,094	4,851	2,955	7,924	3,302	1,555
Mean	6.01	50.3	119	367	389	278	436	156	98.5	256	107	51.8
Cfsm	0.022	0.185	0.438	1.35	1.43	1.02	1.60	0.574	0.562	0.941	0.393	0.190
In.	0.03	0.21	0.50	1.56	1.49	1.18	1.78	0.66	0.40	1.08	0.45	0.21
Calendar year 1954: Max		758		Min 2.5		Mean 142		Cfsm 0.522		In. 7.10		
Water year 1954-55: Max		1,800		Min 2.5		Mean 192		Cfsm 0.706		In. 9.55		

Peak discharge (base, 2,000 cfs).--Apr. 14 (9 p.m.) 2,320 cfs (10.66 ft).

* Discharge measurement made on this day.

Potato Creek near Thomaston, Ga.

Location.--Lat 32°54'15", long 84°21'45", 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 mile downstream from Ten Mile Creek, and 2½ miles northwest of Thomaston, Upson County.

Drainage area.--186 sq mi.

Records available.--July 1938 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 600 ft (by barometer).

Average discharge.--17 years, 217 cfs.

Extremes.--Maximum discharge during year, 1,580 cfs Apr. 15 (gage height, 4.95 ft); minimum daily, 0.78 cfs Oct. 11.

1938-55: Maximum discharge, 9,240 cfs Nov. 27, 1948 (gage height, 8.80 ft), from rating curve extended above 4,000 cfs by logarithmic plotting; minimum daily, that of Oct. 11, 1954.

Remarks.--Records good. Some regulation at low flow caused by diversion for municipal and industrial supplies at Thomaston.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 15				Nov. 16 to Sept. 30			
2.09	0.78	2.3	5.0	2.2	3.9	3.3	183
2.1	.9	2.4	8.5	2.3	6.2	3.7	370
2.2	2.4	2.6	20	2.4	11	4.0	560
				2.5	19	4.5	1,030
				2.7	43	5.0	1,640
				3.0	97		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*3.2	2.7	50	298	111	152	114	91	78	50	104	27
2	3.7	3.4	50	400	109	146	121	80	71	40	107	34
3	2.0	4.2	44	430	114	138	135	76	63	38	86	38
4	1.4	4.7	40	*342	107	132	169	72	55	34	89	33
5	1.2	9.8	52	206	99	132	141	69	52	44	290	31
6	1.8	9.4	245	163	279	135	141	65	54	58	159	30
7	2.0	7.1	213	159	667	156	315	58	*48	127	111	29
8	2.0	7.1	165	121	667	173	490	62	44	86	127	24
9	3.2	7.8	111	114	460	149	460	52	39	180	91	24
10	2.0	8.5	89	119	*280	135	270	52	43	89	76	17
11	.78	8.2	82	138	230	132	326	48	38	82	69	16
12	1.5	9.4	72	141	198	141	382	46	38	166	80	17
13	*2.7	9.0	91	124	176	132	376	43	35	222	46	19
14	2.7	9.0	102	107	156	127	1,080	43	33	202	43	22
15	2.9	17	102	104	152	*121	1,360	48	39	135	39	26
16	3.4	68	86	119	146	124	920	48	46	107	43	28
17	2.4	67	78	135	156	121	424	56	54	74	48	20
18	1.4	*60	76	184	173	124	295	78	39	69	38	17
19	.90	72	72	388	180	143	243	72	43	63	40	14
20	2.4	76	72	406	152	290	206	62	55	*99	40	14
21	2.2	63	67	326	141	412	183	117	91	156	148	13
22	3.2	60	62	243	132	370	169	631	78	129	63	11
23	4.2	62	63	217	132	300	156	1,090	58	127	82	17
24	3.2	56	65	206	156	230	146	840	74	202	58	10
25	1.8	58	62	183	230	183	129	382	187	382	58	4.4
26	1.4	55	62	163	252	169	*119	280	183	342	52	9.1
27	2.7	42	62	143	198	149	111	243	152	173	40	17
28	3.2	52	58	138	166	135	102	166	116	119	36	13
29	5.0	54	63	129	-	129	97	124	76	111	33	8.1
30	4.7	46	69	127	-	124	91	98	58	116	*29	7.6
31	4.0	-	69	119	-	116	-	86	-	129	24	-
Total	79.18	1,008.3	2,595	6,171	6,019	5,220	9,271	5,249	2,040	3,951	2,329	590.2
Mean	2.55	33.6	83.7	199	215	168	309	169	68.0	127	75.1	19.7
Cfsm	0.014	0.181	0.450	1.07	1.16	0.903	1.66	0.909	0.366	0.683	0.404	0.106
In.	0.02	0.20	0.52	1.23	1.21	1.04	1.85	1.05	0.41	0.79	0.47	0.12

Calendar year 1954: Max 566 Min 0.78 Mean 102 Cfsm 0.548 In. 7.51

Water year 1954-55: Max 1,360 Min 0.78 Mean 122 Cfsm 0.656 In. 8.91

Peak discharge (base, 1,700 cfs).--No peak above base.

* Discharge measurement made on this day.

Flint River near Culloden, Ga.

Location.--Lat 32°43', long 84°13', on left bank underneath bridge on U. S. Highway 19, 4 miles upstream from Auchumpkee Creek, 5 miles downstream from Swift Creek, 13 miles southwest of Culloden, Monroe County, and at mile 238.4.

Drainage area.--1,890 sq mi, approximately.

Records available.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 334.54 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. July 1, 1911, to Oct. 11, 1918, staff gage and Oct. 12, 1918, to May 31, 1923, water-stage recorder, at site 2½ miles downstream at different datum. July 21, 1928, to Dec. 31, 1931, chain gage, Mar. 18 to May 10, 1937, staff gage, and May 11, 1937, to May 3, 1939, wire-weight gage, all at present site and datum.

Average discharge.--32 years (1911-22, 1928-31, 1937-55), 2,385 cfs.

Extremes.--Maximum discharge during year, 11,400 cfs Apr. 14 (gage height, 14.1 ft); minimum, 95 cfs Oct. 17, 18.

1911-23, 1928-31, 1937-55: Maximum discharge observed, 92,000 cfs Mar. 15, 1929 (gage height, 38.40 ft); minimum observed, 92 cfs Oct. 4, 6, 7, 1931.

Remarks.--Records good.

Revisions (water years).--WSP 822: Drainage area. WSP 1002: 1943.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 1		Jan. 2 to Sept. 30	
0.85	94	1.2	155
1.0	117	1.8	355
1.3	185	2.8	850
2.0	485	5.0	2,230
5.0	2,360	9.0	5,890
6.0	3,110	14.0	11,200

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	130	546	2,830	1,090	1,630	1,150	850	680	521	1,480	273
2	119	124	618	4,910	1,060	1,510	1,120	790	620	454	1,350	444
3	111	135	590	3,890	1,030	1,450	1,150	735	570	387	1,420	580
4	107	137	568	3,460	1,030	1,360	1,180	708	526	351	1,050	512
5	107	179	552	3,140	970	1,300	1,180	680	485	323	910	422
6	107	228	1,210	2,440	1,790	1,270	1,180	655	462	422	1,000	387
7	101	220	1,450	1,950	7,510	1,360	1,810	630	458	878	1,330	359
8	101	240	1,270	1,570	6,300	*1,480	3,800	590	431	1,090	1,210	343
9	101	244	1,120	1,300	5,590	1,450	3,460	570	404	1,150	880	315
10	101	252	970	1,190	4,910	1,420	2,820	540	400	1,030	680	284
11	*109	240	910	1,210	3,890	1,390	3,140	535	404	1,090	570	270
12	106	220	850	1,330	3,060	1,360	3,380	508	400	1,450	521	256
13	104	216	850	1,570	2,300	1,270	2,980	476	391	1,390	516	245
14	107	232	970	1,690	1,820	1,210	9,380	480	404	1,820	454	259
15	103	260	1,030	1,570	1,570	1,210	10,500	472	440	1,420	404	273
16	100	366	*970	1,510	1,510	1,150	8,500	498	485	1,030	379	276
17	97	574	850	1,890	1,570	1,150	6,090	680	490	850	387	298
18	98	510	820	1,880	1,820	1,150	4,160	820	472	762	367	259
19	97	552	820	4,340	1,820	1,300	3,140	762	444	655	347	242
20	100	672	850	3,890	1,690	2,670	2,370	630	449	610	355	214
21	100	628	850	*3,300	1,570	3,140	1,950	820	467	2,020	449	210
22	100	574	790	3,060	1,470	3,060	1,690	2,070	518	2,090	485	207
23	103	574	754	2,600	1,390	2,820	1,570	4,530	440	2,020	456	192
24	111	574	724	2,300	1,510	2,520	1,480	3,260	620	1,950	480	183
25	114	535	694	2,090	2,230	2,230	1,390	*2,900	1,150	2,020	431	180
26	112	500	662	1,820	2,370	1,880	*1,240	2,300	1,360	2,520	485	160
27	112	475	645	1,630	2,090	1,630	1,120	1,950	1,480	2,160	521	172
28	109	485	640	1,480	1,880	1,450	1,030	1,450	*1,450	1,820	449	170
29	119	520	645	1,360	-	1,330	970	1,150	735	1,570	367	*175
30	150	525	689	1,270	-----	1,240	910	585	1,630	515	172	-----
31	133	-----	760	1,180	-----	1,180	-----	790	-----	1,630	294	-----
Total	3,352	11,141	25,667	69,410	66,840	50,570	85,840	35,029	18,218	39,113	20,282	8,332
Mean	108	371	828	2,239	2,387	1,631	2,661	1,130	607	1,262	654	278
Cfsm	0.057	0.196	0.438	1.18	1.26	0.863	1.51	0.598	0.321	0.668	0.346	0.147
In.	0.07	0.22	0.50	1.36	1.31	0.99	1.68	0.69	0.36	0.77	0.40	0.16

Calendar year 1954: Max 6,090 Min 97 Mean 1,137 Cfsm 0.602 In. 8.16
 Water year 1954-55: Max 10,500 Min 97 Mean 1,188 Cfsm 0.629 In. 8.51

Peak discharge (base, 11,000 cfs).--Apr. 14 (4 p.m.) 11,400 cfs (14.1 ft).

* Discharge measurement made on this day.

Whitewater Creek below Rambulette Creek, near Butler, Ga.

Location--Lat 32°28', long 84°16', on left bank 500 ft downstream from bridge on U. S. Highway 19, at mouth of Rambulette Creek, 6½ miles south of Butler, Taylor County, and 8 miles upstream from Cedar Creek.

Drainage area--93.4 sq mi.

Records available--October 1951 to September 1955.

Gage--Water-stage recorder. Datum of gage is 365.85 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Extremes--Maximum discharge during year, 452 cfs Apr. 14 (gage height, 3.87 ft); minimum daily, 115 cfs July 3.

1951-55: Maximum discharge, 1,120 cfs May 1, 1953 (gage height, 5.54 ft); minimum daily, 112 cfs Oct. 16, 1951, Oct. 20-23, 26, 1952.

Remarks--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge,
in cubic feet per second)
(Shifting-control method used Dec. 16-31, Mar. 8-18)

1.0	112
2.0	187
3.0	285
4.0	490

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	139	150	170	146	139	136	136	122	125	178	125
2	132	146	146	270	150	139	139	132	122	122	146	128
3	128	146	142	235	146	142	142	132	122	115	150	125
4	128	146	146	170	146	142	139	132	122	122	132	122
5	132	154	154	154	146	142	136	125	125	118	146	125
6	132	150	200	154	182	142	139	128	122	*128	146	128
7	136	146	178	154	290	142	166	128	118	128	154	125
8	136	142	158	150	235	132	200	128	122	136	142	122
9	136	139	154	150	174	132	162	125	118	139	136	122
10	132	142	150	154	162	*132	146	125	118	139	132	116
11	132	142	150	162	162	132	187	125	128	136	132	118
12	136	142	150	158	158	136	182	122	122	150	136	125
13	136	142	187	150	154	136	170	122	122	174	122	122
14	132	146	182	146	150	136	*365	136	122	196	122	132
15	132	158	154	150	150	132	325	142	136	158	125	132
16	132	200	*142	187	150	132	215	142	128	139	125	128
17	132	270	142	196	174	132	174	162	132	158	125	139
18	136	270	142	170	196	132	158	150	125	170	*122	139
19	132	162	139	230	174	142	154	136	125	170	118	128
20	132	158	142	210	154	178	150	128	132	170	136	122
21	132	150	139	170	146	166	150	158	125	158	158	118
22	136	146	139	174	142	150	150	210	118	200	139	122
23	136	162	139	170	146	139	146	220	122	245	128	118
24	136	154	139	174	142	142	150	*170	122	252	128	122
25	136	146	136	162	150	139	146	170	142	200	136	118
26	136	142	136	158	146	139	136	158	154	182	136	122
27	136	150	136	158	150	139	142	139	166	182	125	122
28	136	170	139	*154	146	139	139	136	162	162	122	122
29	154	166	142	150	-	136	139	132	132	142	122	*122
30	150	150	146	150	-----	139	136	128	125	166	125	118
31	150	---	142	146	-----	139	---	125	-----	178	122	-----
Total	4,194	4,726	4,641	5,286	4,567	4,339	5,019	4,402	3,851	4,960	4,166	3,729
Mean	135	158	150	171	163	140	167	142	128	160	134	124
Cfsm	1.45	1.69	1.61	1.83	1.75	1.50	1.79	1.52	1.37	1.71	1.43	1.33
In.	1.67	1.89	1.86	2.11	1.82	1.73	2.00	1.75	1.53	1.97	1.65	1.48

Calendar year 1954: Max 310 Min 128 Mean 163 Cfsm 1.75 In. 23.80
 Water year 1954-55: Max 365 Min 115 Mean 148 Cfsm 1.58 In. 21.46

Peak discharge (base, 500 cfs)--No peak above base.

* Discharge measurement made on this day.

Flint River at Montezuma, Ga.

Location.--Lat 32°18', long 84°03', on downstream side of left pier to right bank truss of bridge on State Highway 26 and 49, half a mile downstream from Buck Creek, 1 mile west of Montezuma, Macon County, and at mile 180.7.

Drainage area.--2,900 sq mi, approximately.

Records available.--January 1905 to December 1909, January 1911 to December 1912, July 1930 to June 1933, October 1934 to September 1955. Gage-height records collected at same site since 1904 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 255.83 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. January 1905 to December 1909 and January 1911 to December 1912, chain gage at site $\frac{1}{2}$ miles upstream at same datum. July 1, 1930, to June 30, 1933, chain gage and Oct. 1, 1934, to Dec. 12, 1941, wire-weight gage, at present site and datum.

Average discharge.--23 years (1930-32, 1934-55), 3,547 cfs.

Extremes.--Maximum discharge during year, 13,500 cfs Apr. 18 (gage height, 14.4 ft); minimum daily, 600 cfs Oct. 5, 18.
1905-9, 1911-12, 1930-32, 1934-55: Maximum discharge, 68,900 cfs Nov. 30, 1948 (gage height, 25.2 ft); minimum daily, 585 cfs Oct. 26, 1941.
Maximum stage known, 27.4 ft Mar. 17, 1929, from U. S. Weather Bureau (discharge, 92,300 cfs, from rating curve extended above 65,000 cfs by logarithmic plotting).

Remarks.--Records good. Moderate diurnal fluctuation at low flow caused by powerplant above station.

Revisions (water years).--WSP 822: Drainage area. WSP 852: 1936(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 6-29)

0.5	600	6.0	5,570
1.0	775	11.0	7,950
3.0	1,660	15.0	14,800

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	635	705	1,320	1,410	2,230	2,940	2,050	1,880	1,610	1,510	2,680	930
2	635	705	1,270	2,170	2,170	2,740	1,990	1,770	1,460	1,270	2,540	890
3	635	688	1,270	4,220	2,050	2,540	1,990	1,660	1,360	1,110	2,420	930
4	618	688	1,270	5,100	2,050	2,480	2,050	1,560	1,270	1,050	2,290	990
5	600	705	1,270	5,100	1,900	2,350	2,050	1,510	1,180	1,050	2,050	1,090
6	618	740	1,410	4,620	2,110	2,290	2,050	1,460	1,180	*1,010	1,820	1,140
7	652	775	1,720	3,920	3,430	*2,230	2,050	1,410	1,140	1,010	1,820	1,050
8	740	810	2,230	3,150	5,440	2,230	2,540	1,360	1,090	1,090	1,990	970
9	705	810	2,170	2,680	6,620	2,290	3,780	1,320	1,050	1,560	2,170	910
10	652	810	1,990	2,350	7,620	2,350	4,380	1,270	1,030	1,720	1,880	870
11	652	810	1,770	2,170	8,070	2,350	4,300	1,270	1,010	1,770	1,610	792
12	652	810	1,660	2,170	7,730	2,290	4,220	1,220	970	1,720	1,480	810
13	618	810	1,610	2,230	6,440	2,290	4,620	1,180	1,030	1,940	1,320	792
14	618	810	1,660	2,280	4,700	2,230	5,720	1,140	1,010	2,250	1,150	850
15	635	850	*1,770	2,420	3,500	2,110	8,970	1,180	990	2,350	1,220	890
16	618	950	1,880	2,540	3,010	2,050	9,390	1,180	1,010	2,350	1,140	890
17	618	1,140	1,770	2,680	2,800	2,050	11,700	1,270	1,070	1,990	1,090	890
18	600	1,320	1,660	2,800	2,870	1,990	13,300	1,360	1,110	1,720	1,070	930
19	618	1,510	1,580	3,290	3,080	1,990	12,100	1,510	1,070	1,560	1,050	1,010
20	618	1,460	1,510	4,540	3,220	2,110	9,390	1,510	1,110	1,610	990	910
21	618	1,460	1,510	5,440	3,080	3,010	*6,160	1,460	1,090	1,610	950	850
22	635	1,410	1,510	5,440	2,870	3,920	4,000	1,510	1,090	1,990	1,030	792
23	618	1,360	1,460	4,940	2,680	4,080	3,290	2,350	1,050	3,010	*1,140	758
24	618	1,320	1,460	4,380	2,540	3,920	2,940	*3,920	1,050	2,670	1,180	722
25	635	1,320	1,410	3,920	2,480	3,570	2,740	4,780	1,180	2,870	1,140	870
26	635	1,270	1,360	3,570	2,800	3,220	*2,610	4,540	1,560	3,150	1,180	705
27	635	1,220	1,320	*3,520	3,150	2,870	2,350	3,850	1,940	3,430	1,440	722
28	652	1,270	1,320	2,870	3,150	2,610	2,170	3,080	2,110	3,290	1,180	740
29	652	1,270	1,320	2,680	-	2,350	2,050	2,540	2,230	2,940	1,140	*722
30	670	1,320	1,360	2,480	-----	2,230	1,940	2,110	1,880	2,800	1,030	705
31	705	-----	1,360	2,350	-----	2,110	-----	1,770	-----	2,680	970	-----
Total	19,810	31,126	48,160	103,140	103,880	79,790	139,890	59,930	37,930	62,260	45,870	25,920
Mean	639	1,038	1,554	3,527	3,710	2,574	4,663	1,933	1,264	2,008	1,480	864
Cfsm	0.220	0.358	0.536	1.15	1.28	0.888	1.61	0.667	0.436	0.692	0.510	0.298
In.	0.25	0.40	0.62	1.33	1.33	1.02	1.80	0.77	0.49	0.80	0.59	0.33

Calendar year 1954: Max 7,730 Min 600 Mean 2,085 Cfsm 0.719 In. 9.75
Water year 1954-55: Max 13,300 Min 600 Mean 2,076 Cfsm 0.716 In. 9.73

* Discharge measurement made on this day.

Flint River at Oakfield, Ga.

Location.--Lat 31°46', long 83°59', on downstream side of center pier of Georgia Southwestern & Gulf Railroad bridge, 1 mile southwest of Oakfield, Worth County, 1 mile upstream from Jones Creek, 9.7 miles downstream from Crisp County Dam, and at mile 125.0.

Drainage area.--3,860 sq mi, approximately.

Records available.--January 1930 to June 1933, October 1934 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 193.29 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--23 years (1930-32, 1934-55), 4,457 cfs.

Extremes.--Maximum discharge during year, 13,200 cfs Apr. 19 (gage height, 11.9 ft); minimum daily, 283 cfs Sept. 25.

1930-33, 1934-55: Maximum discharge, 60,500 cfs Dec. 3, 1948 (gage height, 30.1 ft); minimum daily, 152 cfs June 8, 1941.

Maximum stage known, 35.1 ft Jan. 20, 1925, from floodmark.

Remarks.--Records good except those below 1,000 cfs, which are fair. Flow regulated by Crisp County powerplant and reservoir (capacity, 35,000 acre-ft). Normal operation of powerplant does not materially affect figures of monthly runoff.

Revisions (water years).--WSP 822: Drainage area. WSP 852: 1936(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.9	245	7.0	6,370
1.5	560	12.0	13,400
3.0	1,750		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,110	848	2,040	1,340	2,870	3,760	2,650	1,520	2,140	2,000	3,310	1,750
2	817	1,010	2,040	1,320	2,870	3,760	3,310	2,440	1,570	1,090	3,420	1,740
3	347	1,030	2,040	2,370	2,870	3,760	4,240	2,190	1,600	599	2,760	1,160
4	888	1,030	2,040	4,240	3,090	3,760	2,540	2,180	1,570	805	2,760	444
5	1,090	1,020	2,090	4,240	2,760	2,760	2,490	2,120	852	1,550	2,870	302
6	1,090	796	3,200	4,240	1,430	2,700	2,540	2,050	1,280	1,740	2,650	1,530
7	1,060	355	3,420	2,760	4,720	2,980	2,440	1,050	1,650	1,720	1,940	1,770
8	1,050	855	2,980	2,980	5,590	2,980	2,440	400	1,580	1,790	2,540	1,760
9	851	1,100	3,310	3,090	5,590	2,980	2,440	1,760	1,660	1,280	2,540	1,740
10	324	1,090	1,510	3,530	5,590	2,980	2,340	2,150	1,590	844	2,540	1,260
11	980	1,030	2,290	4,240	5,980	2,980	4,600	2,140	968	*1,730	2,600	349
12	1,070	1,120	976	4,240	8,840	2,650	5,460	1,820	515	1,770	2,600	1,360
13	1,040	792	2,040	3,420	8,280	1,520	4,840	1,570	1,190	1,830	2,540	1,660
14	1,020	402	2,040	3,420	6,370	2,760	7,440	1,010	1,590	1,830	640	1,770
15	1,020	796	2,040	2,240	5,720	2,980	10,400	422	1,630	2,650	1,850	1,790
16	851	1,050	2,190	2,760	4,840	2,980	8,840	1,670	1,580	3,420	2,030	1,770
17	340	1,050	2,240	4,120	3,530	2,980	11,100	2,500	1,600	1,280	1,990	1,310
18	795	1,080	2,040	3,310	3,530	2,980	11,200	1,780	962	3,310	2,000	610
19	1,000	1,040	2,040	4,240	3,530	1,940	12,500	1,590	514	2,760	1,880	1,550
20	1,020	864	2,760	4,240	3,530	439	12,600	1,620	1,320	2,760	1,610	1,720
21	1,030	436	2,980	4,240	3,530	2,240	11,100	974	1,590	2,600	622	1,710
22	1,040	1,060	2,430	4,240	3,420	3,640	7,160	440	1,590	2,600	1,630	1,770
23	804	2,090	2,030	4,600	2,760	5,080	4,960	1,840	1,600	2,440	1,900	1,740
24	354	2,140	1,420	*5,330	3,530	3,530	3,640	3,640	1,590	3,530	1,900	1,020
25	835	1,560	1,480	4,240	3,420	3,530	3,640	4,360	981	3,530	1,920	283
26	1,020	1,300	1,340	4,240	2,760	4,360	3,530	5,200	648	3,760	1,740	*885
27	965	1,360	1,300	4,240	1,890	4,600	3,530	*3,530	1,550	5,330	1,120	973
28	967	1,190	1,470	3,640	2,870	2,700	3,530	3,760	1,960	3,640	373	942
29	972	2,140	1,450	3,640	-	2,650	3,420	3,530	1,990	3,200	1,360	958
30	768	2,090	1,700	2,490	-	2,850	2,440	4,000	1,970	3,640	1,730	946
31	360	-	1,670	3,420	-	2,870	-	3,090	-	3,310	1,760	-
Total	26,788	33,524	64,596	110,660	115,710	94,479	163,360	68,346	42,620	74,338	63,125	39,572
Mean	864	1,117	2,084	3,570	4,132	3,048	5,445	2,205	1,427	2,398	2,036	1,266
Cfsm	0.224	0.289	0.540	0.925	1.07	0.790	1.41	0.571	0.401	0.621	0.527	0.333
In.	0.26	0.32	0.62	1.07	1.11	0.91	1.57	0.66	0.41	0.72	0.61	0.37
Calendar year 1954: Max	12,800			Min 165		Mean 2,678	Cfsm 0.694	In. 9.42				
Water year 1954-55: Max	12,600			Min 283		Mean 2,456	Cfsm 0.636	In. 8.63				

* Discharge measurement made on this day.

Kinchafoonee Creek at Preston, Ga.

Location.--Lat 32°03', long 84°33', near right bank at downstream side of bridge on State Highway 41, 1 mile southwest of Preston, Webster County, and 1 mile upstream from Harrel Mill Creek.

Drainage area.--197 sq mi.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 337.7 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department).

Extremes.--Maximum discharge during year, 2,120 cfs Apr. 15 (gage height, 7.15 ft); minimum, 30 cfs June 26 (gage height, 1.53 ft).
1951-55: Maximum discharge, 6,000 cfs May 4, 1953 (gage height, 8.80 ft); minimum, that of June 26, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 17, 18, 22-27, Sept. 21-30)

1.5	28	5.0	405
2.0	46	5.5	585
2.5	66	6.0	860
3.0	96	6.5	1,300
3.5	140	7.0	1,900
4.0	202		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	55	107	116	103	120	86	80	53	45	103	40
2	40	54	92	120	103	120	92	74	47	38	89	64
3	39	55	86	135	103	125	107	69	45	36	74	66
4	37	57	86	130	103	120	107	66	42	36	69	57
5	38	64	86	107	100	116	96	62	40	34	176	54
6	37	69	120	103	212	107	89	60	40	48	388	57
7	46	72	120	100	630	103	107	56	38	69	336	62
8	60	66	168	96	608	100	140	56	37	*62	168	54
9	53	66	130	92	565	96	130	54	34	62	120	45
10	48	64	111	92	342	*96	130	50	33	69	96	40
11	46	64	103	103	217	116	210	48	40	125	77	38
12	45	64	96	107	187	111	260	46	58	150	66	*39
13	45	66	107	103	168	103	280	44	50	107	60	40
14	46	66	130	96	156	100	492	43	40	96	56	46
15	45	66	135	92	150	96	*1,620	48	39	86	49	55
16	42	74	116	125	145	96	1,010	74	60	64	45	54
17	41	96	100	202	145	92	545	150	69	53	46	48
18	42	96	100	225	150	92	342	156	59	48	*43	50
19	44	100	103	280	162	89	242	120	49	48	40	52
20	45	92	103	270	150	92	194	77	44	83	42	47
21	51	92	96	*242	140	111	168	95	41	74	135	40
22	48	*86	92	194	130	140	162	202	38	135	123	38
23	46	92	92	162	125	125	156	242	36	202	66	36
24	46	96	92	180	125	107	145	270	33	280	57	33
25	47	96	89	174	130	96	135	194	31	320	56	33
26	47	86	89	156	135	92	135	*168	31	400	62	33
27	48	83	89	135	125	89	120	135	50	452	82	36
28	48	107	89	125	120	86	103	92	86	194	57	40
29	50	135	92	116	-	83	96	74	63	145	52	40
30	58	125	116	111	-----	86	89	64	57	150	45	39
31	57	-----	120	107	-----	86	-----	56	-----	130	40	-----
Total	1,422	2,404	3,315	4,396	5,529	3,191	7,588	3,025	1,403	3,841	2,898	1,376
Mean	45.9	80.1	107	142	197	103	253	97.6	46.8	124	93.5	45.9
Cfsm	0.233	0.407	0.543	0.721	1.00	0.523	1.28	0.495	0.238	0.629	0.475	0.233
In.	0.27	0.45	0.63	0.83	1.04	0.60	1.43	0.57	0.27	0.73	0.55	0.26

Calendar year 1954: Max 825 Min 34 Mean 129 Cfsm 0.655 In. 8.90
Water year 1954-55: Max 1,620 Min 31 Mean 111 Cfsm 0.563 In. 7.63

Peak discharge (base, 900 cfs).--Apr. 15 (1 p.m.) 2,120 cfs (7.15 ft).

* Discharge measurement made on this day.

Flint River at Albany, Ga.

Location.--Lat 31°36', long 84°09', on right bank at downstream side of Georgia Northern Railway bridge in Albany, Dougherty County, at mile 103.4.

Drainage area.--5,230 sq mi, approximately.

Records available.--February 1897 to December 1901 (gage heights only), January 1902 to June 1921, September 1929 to September 1955. Gage-height records collected at site 1 mile downstream since 1893 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 150.03 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Feb. 1, 1897, to Dec. 31, 1901, staff gage at site 1 mile downstream at datum 1.3 ft lower. Jan. 1, 1902, to Apr. 19, 1904, staff gage and Apr. 20, 1904, to June 30, 1921, chain gage, at site 1 mile downstream at datum 2.0 ft lower.

Average discharge.--44 years (1902-20, 1929-55), 6,290 cfs.

Extremes.--Maximum discharge during year, 17,200 cfs Apr. 19 (gage height, 13.4 ft); minimum daily, 744 cfs Oct. 31.

1902-21, 1929-55: Maximum discharge, 64,800 cfs Jan. 22, 1943 (gage height, 31.6 ft); minimum daily, 426 cfs Aug. 24, 1930.

Maximum stage known, 37.84 ft Jan. 21, 1925, from floodmark, present site and datum (discharge, 92,000 cfs, from rating curve extended above 60,000 cfs).

Remarks.--Records good. Flow regulated by powerplants above station; capacity of reservoirs insufficient to materially affect figures of monthly runoff.

Revisions (water years).--WSP 822: Drainage area. WSP 1052: 1930, 1934(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.8	720	4.0	2,490
2.0	835	7.0	7,060
3.0	1,540	13.0	16,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,300	*940	2,780	2,440	4,090	4,090	3,500	2,780	3,210	2,670	4,860	2,380
2	1,240	1,260	2,720	1,530	3,570	4,390	3,600	2,580	2,090	1,950	4,700	2,380
3	775	1,370	2,520	2,840	3,500	4,390	5,340	2,990	2,150	1,500	4,240	2,380
4	953	1,220	2,660	4,390	3,500	4,390	3,940	2,800	2,120	2,090	4,090	1,200
5	1,310	1,370	2,600	4,540	3,640	4,090	2,940	2,660	1,610	2,240	3,640	1,230
6	1,300	1,240	3,090	4,700	2,330	2,960	3,290	2,740	1,550	2,320	3,500	2,080
7	1,320	*805	4,090	4,240	3,940	3,500	3,360	2,110	2,180	2,190	2,960	2,600
8	1,420	910	3,430	3,570	4,390	3,500	3,150	1,300	2,060	2,280	2,960	2,600
9	1,180	1,380	4,090	3,640	6,700	3,400	3,220	1,510	2,050	2,000	3,520	2,280
10	748	1,540	2,450	3,720	6,880	3,400	3,160	2,840	2,100	1,520	3,470	2,180
11	1,060	1,580	3,180	4,390	7,240	3,500	5,020	2,670	1,800	2,190	3,220	1,120
12	1,340	1,270	1,800	4,700	10,300	3,400	6,880	2,590	835	2,680	3,290	1,680
13	1,230	1,600	2,600	4,390	11,100	1,900	6,350	2,130	1,230	2,690	3,160	2,080
14	1,400	748	2,840	4,240	8,170	3,000	8,350	1,810	2,080	2,580	1,570	2,490
15	1,340	1,240	2,660	3,650	7,060	3,500	12,800	1,130	2,040	3,120	1,970	2,330
16	1,180	1,530	2,660	3,020	6,520	3,300	12,200	1,860	2,140	4,090	2,550	2,490
17	748	1,500	2,780	4,090	5,020	3,500	12,700	3,350	2,030	2,500	*2,430	2,490
18	920	1,800	3,020	4,240	4,540	3,500	12,200	2,630	1,610	3,570	2,500	1,300
19	1,250	1,580	2,180	4,700	4,390	2,500	16,200	2,470	1,230	3,360	2,360	1,890
20	1,370	1,320	3,220	5,020	4,390	1,000	16,300	2,420	1,520	3,290	2,070	2,490
21	1,370	896	3,570	5,180	4,390	2,000	14,300	2,090	2,100	3,360	1,460	2,280
22	1,370	1,330	2,910	5,180	4,390	3,500	9,580	1,300	2,070	3,570	1,660	2,280
23	1,230	2,840	3,360	5,340	4,090	6,400	6,180	2,030	1,980	3,500	2,380	*2,380
24	775	2,720	2,050	6,350	4,090	5,200	4,540	3,940	2,100	4,240	2,540	2,180
25	1,040	2,440	2,280	5,670	4,240	*4,390	4,540	5,180	1,700	5,180	2,560	1,020
26	1,210	1,170	2,030	5,340	3,790	4,390	4,540	6,880	1,240	5,180	2,650	992
27	1,320	1,720	1,950	5,180	3,360	5,670	4,540	*4,860	2,090	7,060	2,110	1,250
28	1,260	2,380	1,620	4,700	2,780	3,940	4,390	4,700	2,500	5,340	1,020	1,500
29	1,320	1,950	2,130	4,540	-	3,320	4,240	4,540	2,820	5,180	1,710	1,440
30	1,400	3,160	2,150	4,240	-----	3,400	3,290	4,390	2,500	5,670	2,230	1,370
31	744	-----	2,280	3,500	-----	3,350	-----	4,390	-----	5,020	2,280	-----
Total	36,423	46,609	83,660	133,030	143,000	112,570	204,640	91,670	58,735	102,830	85,660	58,362
Mean	1,175	1,554	2,699	4,291	5,107	3,631	6,821	2,957	1,958	3,317	2,763	1,945
Cfs/m	0.225	0.297	0.516	0.820	0.976	0.694	1.30	0.565	0.374	0.634	0.528	0.372
In.	0.26	0.33	0.59	0.95	1.02	0.80	1.45	0.65	0.42	0.73	0.61	0.42

Calendar year 1954: Max 20,100 Min 645 Mean 3,631 Cfs/m 0.694 In. 9.41
 Water year 1954-55: Max 16,300 Min 744 Mean 3,170 Cfs/m 0.606 In. 8.23

* Discharge measurement made on this day.

Note.--No gage-height record Mar. 7-24; discharge estimated on basis of weather records and records for other stations on Flint River.

Ichawaynochaway Creek at Milford, Ga.

Location.--Lat 31°22', long 84°32', on downstream end of left bank pier of bridge on county road at Milford, Baker County, 2½ miles upstream from Alligator Creek and 5½ miles upstream from Chickasawhatchee Creek.

Drainage area.--620 sq mi, approximately.

Records available.--August 1905 to December 1907, October 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 150.3 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). Aug. 29, 1905, to Dec. 31, 1907, staff or chain gages at several sites within 450 ft of present site at various datums. Oct. 1, 1939, to Nov. 11, 1942, staff gage and Nov. 12, 1942, to Dec. 4, 1952, water-stage recorder, at site 100 ft downstream at present datum.

Average discharge.--16 years (1939-55), 797 cfs.

Extremes.--Maximum discharge during year, 1,540 cfs Apr. 17 (gage height, 3.4 ft); minimum, 120 cfs July 7, 8.
1905-7, 1939-55: Maximum discharge, 10,100 cfs Jan. 21, 1943 (gage height, 13.9 ft); minimum, 117 cfs Sept. 16, 1954.

Remarks.--Records good. Moderate diurnal fluctuation at low flow.

Revisions.--WSP 922: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 8-16, 23-26)

0.8	114	3.0	1,350
1.2	254	4.0	1,800
1.5	392		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	144	199	500	347	372	367	275	262	214	271	495	203
2	147	187	478	347	362	367	310	238	199	214	468	347
3	144	184	408	337	352	362	382	226	191	166	392	451
4	138	184	357	324	352	352	457	226	184	144	352	550
5	132	195	342	319	342	352	478	214	176	132	352	813
6	138	199	357	314	352	347	430	206	170	135	397	1,350
7	144	222	392	305	424	335	372	199	166	129	424	1,220
8	138	230	435	305	530	314	377	191	166	123	430	608
9	154	226	473	301	602	305	382	180	*163	132	414	397
10	173	226	473	296	*659	296	382	170	160	163	408	328
11	173	222	403	301	711	296	424	173	157	187	333	279
12	160	222	372	314	632	296	478	166	154	283	283	250
13	160	222	367	342	685	296	518	163	150	377	258	246
14	163	226	382	362	652	296	640	178	150	430	238	283
15	166	230	414	333	548	296	872	180	144	382	218	301
16	163	234	462	328	468	296	1,180	173	160	367	206	301
17	160	254	462	342	435	301	1,450	199	170	328	199	305
18	150	296	419	397	419	*310	1,450	262	195	328	184	353
19	144	337	372	489	408	305	1,240	310	214	333	170	342
20	150	352	362	572	408	288	872	324	184	333	163	288
21	150	337	367	633	403	279	659	267	173	372	163	*254
22	157	319	347	666	392	283	512	254	170	424	184	238
23	157	310	333	652	377	314	457	296	166	462	226	218
24	166	324	324	620	367	372	419	377	160	578	206	206
25	160	342	314	590	372	382	387	397	160	799	184	199
26	*160	357	310	590	372	352	352	397	154	1,120	203	187
27	160	337	301	572	382	314	333	452	206	*1,400	210	180
28	163	337	*301	542	372	288	310	451	258	1,220	210	173
29	170	382	301	484	-	275	*288	377	230	765	*206	176
30	170	457	301	451	-----	271	279	283	271	590	191	176
31	160	-----	314	419	-----	275	-----	242	-----	566	184	-----
Total	4,854	8,149	11,743	13,194	12,810	9,780	16,965	8,041	5,415	13,273	8,551	11,182
Mean	156	272	379	426	458	315	566	259	180	428	278	373
Cfs/m	0.232	0.439	0.611	0.687	0.739	0.508	0.913	0.418	0.290	0.690	0.445	0.602
In.	0.29	0.49	0.70	0.79	0.77	0.59	1.02	0.48	0.32	0.80	0.51	0.67
Calendar year 1954: Max	3,730			Min	120	Mean	503	Cfs/m	0.811	In.	11.00	
Water year 1954-55: Max	1,450			Min	123	Mean	340	Cfs/m	0.548	In.	7.43	

Peak discharge (base, 3,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--No gage-height record July 18-26; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Flint River at Bainbridge, Ga.

Location.--Lat 30°55', long 84°34', on downstream side of right major pier of Decatur County Memorial Bridge on U. S. Highway 84 at Bainbridge, Decatur County, a quarter of a mile downstream from Atlantic Coast Line Railroad bridge, 29.2 miles upstream from Jim Woodruff Dam, and at mile 29.0.

Drainage area.--7,350 sq mi, approximately.

Records available.--January 1908 to December 1913, December 1928 to September 1955. Gage-height records collected at same site since 1904 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 58.06 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Jan. 1, 1908, to Dec. 31, 1913, chain gage at datum 0.3 ft higher. Dec. 15, 1928, to Jan. 15, 1929, chain gage at same site at present datum.

Average discharge.--31 years (1908-13, 1929-55), 8,391 cfs.

Extremes.--Maximum discharge during year, 16,300 cfs Apr. 21 (gage height, 16.3 ft); minimum, 1,860 cfs Nov. 9.

1908-13, 1928-55: Maximum discharge, 83,200 cfs Mar. 21, 1929 (gage height, 37.73 ft); minimum, that of Nov. 9, 1954.

Maximum stage known, 40.9 ft Jan. 24, 1925, present datum (discharge, 101,000 cfs, from rating curve extended above 70,000 cfs).

Remarks.--Records good except those for periods of backwater from Jim Woodruff Reservoir, which are fair. Some regulation by powerplants above station. Capacity of reservoirs insufficient to affect materially figures of monthly runoff.

Cooperation.--Five discharge measurements furnished by Corps of Engineers.

Revisions (water years).--WSP 697: 1908-13. WSP 822: Drainage area.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,420	2,210	3,440	3,120	4,790	4,250	4,340	5,700	5,200	3,500	6,900	3,200
2	2,350	1,930	3,600	3,200	4,880	4,790	4,430	5,000	*4,600	3,500	6,500	*3,200
3	2,350	2,000	3,600	3,200	4,700	5,150	4,520	4,200	3,800	3,300	6,200	3,700
4	2,210	2,210	3,520	3,050	*4,520	5,240	5,330	4,700	3,500	2,800	5,600	3,500
5	2,000	2,280	3,520	3,920	4,520	5,240	5,060	4,500	3,500	*2,500	5,200	3,000
6	2,140	2,280	3,520	4,610	4,610	5,150	4,520	4,200	3,300	2,500	5,100	2,900
7	2,350	2,280	3,600	4,790	4,250	4,700	4,520	4,200	2,900	3,300	4,900	3,400
8	*2,350	2,140	4,250	4,790	4,340	4,520	4,520	4,100	3,400	3,100	4,400	3,800
9	2,350	1,930	4,340	4,430	5,620	4,700	4,430	3,100	3,200	3,100	*4,100	3,800
10	2,350	2,070	4,340	4,340	6,520	4,610	4,300	3,000	3,400	3,100	4,500	3,700
11	2,210	2,280	4,160	4,340	6,950	4,520	4,200	3,500	3,400	2,600	4,700	3,400
12	2,000	2,420	3,680	4,610	7,280	4,610	5,100	3,800	3,200	2,700	4,600	3,100
13	2,210	2,350	3,680	4,880	8,800	4,430	6,600	3,800	*2,600	3,600	4,400	2,800
14	2,280	2,350	3,200	4,880	9,670	4,160	7,840	3,500	2,300	3,300	4,300	3,100
15	2,350	2,280	3,680	4,790	8,680	3,760	8,800	3,500	2,800	3,800	3,800	3,500
16	2,350	2,070	3,680	4,610	7,720	4,340	11,900	2,700	3,100	3,800	2,800	3,600
17	2,280	2,280	3,680	4,250	7,280	4,340	12,800	3,000	2,900	4,200	3,400	3,400
18	2,140	2,420	3,680	4,430	6,520	4,610	13,200	*4,000	3,000	3,900	3,700	3,600
19	1,930	2,350	3,760	4,880	5,920	4,610	13,800	4,100	3,000	4,000	3,600	3,400
20	2,070	2,490	3,600	5,060	5,720	4,250	15,200	4,200	2,400	4,000	3,800	2,800
21	2,210	2,420	3,600	5,420	5,520	3,440	*16,200	4,300	2,300	4,000	3,300	3,300
22	2,210	2,280	4,080	5,520	5,520	*2,910	15,700	4,100	2,600	4,200	3,300	*3,300
23	2,280	2,140	4,000	5,620	5,420	3,920	13,600	*3,000	2,800	4,400	2,600	3,300
24	2,280	2,840	3,920	5,920	5,240	5,060	10,900	3,400	3,100	4,300	3,100	3,200
25	2,140	3,280	3,680	6,320	5,150	5,150	8,400	4,700	3,100	4,600	3,100	3,200
26	1,930	3,280	3,120	6,220	5,150	5,060	7,200	5,200	3,100	*5,700	3,200	2,700
27	2,070	2,980	*3,440	6,020	5,060	4,970	7,000	6,800	2,500	6,200	3,700	2,100
28	2,210	2,700	3,050	5,920	4,700	5,620	*6,600	6,100	2,500	7,600	3,400	2,400
29	2,280	3,120	3,050	5,720	-	5,060	6,500	6,000	2,800	7,800	2,900	2,400
30	2,210	3,050	2,910	5,720	-	4,520	6,200	5,800	3,400	7,000	*2,700	2,400
31	2,210	-	3,050	5,240	-	4,430	-	5,200	-	7,300	3,300	-
Total	68,720	72,710	112,430	149,820	165,050	142,120	243,710	133,200	93,700	129,500	127,100	95,000
Mean	2,217	2,424	3,627	4,833	5,895	4,585	8,124	4,297	3,123	4,177	4,100	3,167
Cfsm	0.302	0.330	0.493	0.658	0.802	0.624	1.11	0.585	0.425	0.568	0.558	0.431
In.	0.35	0.37	0.57	0.76	0.84	0.72	1.24	0.67	0.47	0.65	0.64	0.48
Calendar year 1954: Max	24,200			Min	1,930	Mean	5,504	Cfsm	0.749	In.	10.17	
Water year 1954-55: Max	16,200			Min	1,930	Mean	4,200	Cfsm	0.571	In.	7.76	

* Discharge measurement made on this day.

Note.--Backwater from Jim Woodruff Reservoir Apr. 10-13, 15, Apr. 24 to Sept. 30.

Spring Creek near Iron City, Ga.

Location.--Lat 31°03', long 84°43', on right bank 125 ft downstream from highway bridge, 1½ miles downstream from Aycock Creek, 1½ miles upstream from Dry Creek, 5 miles north of Brinson, and 5½ miles northeast of Iron City, Seminole County.

Drainage area.--520 sq mi, approximately.

Records available.--October 1920 to June 1921, June 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 85.7 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Oct. 21, 1920, to June 30, 1921, staff gage at site 125 ft upstream at different datum. June 11, 1937, to Oct. 17, 1952, staff gage at site 125 ft upstream at present datum.

Average discharge.--18 years (1937-55), 481 cfs.

Extremes.--Maximum discharge during year, 632 cfs Aug. 1 (gage height, 7.0 ft); minimum, 9.1 cfs Oct. 30 to Nov. 2.
1920-21, 1937-55: Maximum discharge, 12,600 cfs Apr. 2, 1948 (gage height, 19.9 ft, from floodmark), from rating curve extended above 8,000 cfs by logarithmic plotting; minimum, that of Oct. 30 to Nov. 2, 1954.

Remarks.--Records good.

Revisions (water years).--WSP 852: Drainage area. WSP 1052: 1939-40(M), 1942(M), 1944(M).

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 23-26)

Oct. 1 to Jan. 26

Jan. 27 to Sept. 30

0.99	9.1	1.4	28
1.4	25	2.0	67
2.0	58	4.0	236
3.0	129	6.0	472
		7.0	632

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	9.1	21	22	80	113	57	180	105	51	632	91
2	13	9.1	20	22	76	109	60	166	82	50	563	95
3	13	9.4	19	21	73	105	68	153	70	45	458	97
4	12	9.4	18	21	69	105	83	141	61	41	393	141
5	12	10	19	21	67	101	97	133	55	39	368	231
6	12	10	23	20	70	97	113	121	50	40	356	256
7	12	11	27	20	93	95	125	113	45	54	321	256
8	*12	11	28	20	109	93	121	105	*42	58	288	277
9	11	12	27	20	113	91	121	97	38	59	261	299
10	12	12	26	20	121	87	121	93	35	54	236	299
11	12	12	24	20	129	84	125	87	34	61	212	277
12	12	12	24	21	137	83	125	83	33	105	194	226
13	12	12	24	21	141	81	125	78	31	133	176	180
14	12	12	*25	20	149	*79	166	75	30	125	166	158
15	11	12	26	20	153	76	256	70	28	129	149	145
16	11	13	27	22	153	75	299	70	33	141	133	145
17	10	15	27	25	153	73	344	69	38	171	117	158
18	10	16	27	32	149	72	406	70	41	207	105	158
19	10	17	26	43	149	70	458	73	41	236	93	*162
20	10	17	25	53	145	68	500	83	40	251	83	166
21	9.7	17	25	59	141	66	500	96	38	246	77	162
22	*9.4	17	25	65	133	68	445	101	36	207	73	153
23	9.4	18	24	68	129	66	393	101	35	189	77	141
24	9.4	18	24	72	125	64	332	101	32	171	88	129
25	9.7	18	24	77	121	63	299	101	31	158	101	113
26	9.7	18	24	81	117	61	266	105	33	158	105	101
27	9.4	17	23	*85	117	59	246	117	41	*171	109	89
28	9.4	18	23	88	113	59	*221	133	58	194	105	79
29	9.4	19	23	85	-	59	212	149	61	231	109	73
30	9.4	20	23	83	-	59	194	141	54	288	*105	66
31	9.1	-	22	82	-	57	-	117	-	580	101	-
Total	336.0	421.0	743	1,327	3,325	2,438	6,878	3,318	1,351	4,643	6,354	4,923
Mean	10.8	14.0	24.0	42.8	119	78.6	229	107	45.0	150	205	164
Cfs/m	0.021	0.027	0.046	0.082	0.229	0.151	0.440	0.206	0.087	0.288	0.394	0.315
In.	0.02	0.05	0.05	0.09	0.24	0.17	0.49	0.24	0.10	0.33	0.45	0.35

Calendar year 1954: Max 2,410 Min 9.1 Mean 225 Cfs/m 0.433 In. 5.84

Water year 1954-55: Max 832 Min 9.1 Mean 98.6 Cfs/m 0.190 In. 2.56

Peak discharge (base, 2,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Jim Woodruff Reservoir at Chattahoochee, Fla.

Location.--Lat 30°42'33", long 84°51'45", on line between secs. 29 and 32, T. 4 N., R. 6 W., on right upstream lock wall, 0.2 mile downstream from confluence of Flint and Chattahoochee Rivers and 1.5 miles northwest of Chattahoochee.

Drainage area.--17,100 sq mi, approximately.

Records available.--October 1954 to September 1955.

Gage.--Staff gage. Datum of gage is at mean sea level, datum of 1929.

Extremes.--Maximum contents during year, 160,700 acre-ft Apr. 22 (elevation, 69.05 ft); storage began on Mar. 3.

Remarks.--Reservoir is formed by earth-fill dam with concrete fixed crest spillway, a center channel spillway with 16 vertical-lift gates 40 ft long and 30.5 ft high, and a side channel navigation lock 82 ft wide. Usable capacity, 385,000 acre-ft between elevations 44 and 77 ft. Gates closed May 20, 1954, and systematic storage began on Mar. 3, 1955. Reservoir is used for navigation and power.

Cooperation.--Month-end elevations and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1954 to September 1955

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	a50	2,640	-
Oct. 31.....	50.7	4,040	+1,400
Nov. 30.....	51.5	5,800	+1,760
Dec. 31.....	51.8	6,490	+690
Calendar year 1954.....	-	-	-
Jan. 31.....	53.0	9,770	+3,280
Feb. 28.....	53.5	11,270	+1,500
Mar. 31.....	59.9	41,310	+30,040
Apr. 30.....	67.4	131,400	+90,090
May 31.....	66.6	119,120	-12,280
June 30.....	66.0	110,330	-8,790
July 31.....	66.5	117,630	+7,300
Aug. 31.....	65.35	101,220	-16,410
Sept. 30.....	65.35	101,220	0
Water year 1954-55.....	-	-	+98,580

† Elevation at 8 a.m.

a Estimated.

APALACHICOLA RIVER BASIN

Apalachicola River at Chattahoochee, Fla.

Location.--Lat 30°42'03", long 84°51'33", sec. 32, T. 4 N., R. 6 W., near center of span on downstream side of bridge on U. S. Highway 90, 0.6 mile downstream from Jim Woodruff Dam, 0.8 mile downstream from confluence of Flint and Chattahoochee Rivers, and 1 mile west of Chatahoochee.

Drainage area.--17,100 sq mi, approximately.

Records available.--December 1928 to September 1955. Prior to October 1939, published as "near River Junction." Gage-height records collected at former site October 1919 to September 1925 and at present site since October 1925 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 45.58 ft above mean sea level, datum of 1929 (U. S. Weather Bureau benchmark). Prior to Dec. 16, 1939, water-stage recorder at site seven-eighths of a mile downstream at datum 0.73 ft lower. Dec. 16, 1939, to June 25, 1952, water-stage recorder and June 26, 1952, to June 2, 1954, wire-weight gage, at present site and datum.

Average discharge.--27 years, 21,660 cfs (unadjusted).

Extremes.--Maximum discharge during year, 44,300 cfs Apr. 17 (gage height, 13.98 ft); minimum, 4,950 cfs Oct. 27 (gage height, -2.25 ft).
1928-55: Maximum discharge, 293,000 cfs Mar. 20, 1929 (gage height, 33.97 ft, present datum), from rating curve extended above 200,000 cfs; minimum, that of Oct. 27, 1954.

Remarks.--Records good. Flow partly regulated by Jim Woodruff Reservoir (see preceding page).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

-2.5	4,880
0.0	8,700
7.0	24,000
14.0	44,400

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,620	5,270	7,390	9,060	12,200	14,300	11,900	12,900	13,300	7,860	19,100	7,080
2	5,610	5,190	7,620	9,120	11,400	14,200	11,900	12,100	11,400	8,020	17,800	6,150
3	5,580	5,010	7,580	9,720	11,800	14,800	12,000	11,100	8,940	8,100	15,300	7,150
4	5,550	5,090	7,450	12,000	11,500	14,600	12,100	10,400	8,820	7,620	15,400	7,790
5	5,410	5,270	7,390	13,600	10,900	14,100	12,000	10,300	8,660	6,860	15,700	8,040
6	5,290	5,300	7,520	14,500	11,000	13,500	*10,400	10,100	8,520	6,420	15,400	7,820
7	5,300	5,510	7,600	14,400	12,500	13,100	10,500	9,580	8,060	6,540	15,100	7,630
8	5,440	5,800	*8,160	15,200	18,500	12,300	11,700	9,260	7,630	6,710	11,900	7,710
9	5,750	5,550	8,840	15,000	24,400	12,200	12,000	8,940	7,480	6,780	10,100	7,670
10	5,670	5,450	9,220	13,400	31,100	12,400	12,200	8,620	7,410	6,820	10,300	7,600
11	5,550	5,510	9,800	12,500	33,200	12,700	12,300	8,560	7,600	7,380	*12,400	7,590
12	5,330	5,700	9,440	*12,000	31,600	12,700	12,400	8,400	7,670	8,680	13,200	7,220
13	5,150	5,780	9,620	12,500	31,400	12,800	15,200	8,500	7,630	14,600	12,400	6,870
14	5,370	5,780	9,240	12,800	30,600	12,700	27,000	8,750	7,380	17,600	11,900	6,760
15	5,440	6,010	9,500	13,200	26,900	12,200	28,200	8,620	7,200	17,500	10,300	6,870
16	5,340	5,950	9,780	13,700	23,500	12,300	40,400	8,780	7,510	13,000	8,060	6,980
17	5,350	5,780	9,660	13,600	21,600	12,400	43,400	8,660	7,710	13,700	7,430	7,100
18	5,290	5,850	9,580	13,400	20,800	12,400	39,000	*8,540	8,200	13,700	8,620	7,190
19	5,100	6,070	9,560	14,000	20,500	12,200	51,300	10,000	8,260	11,400	10,200	7,100
20	*5,010	6,380	9,540	14,800	20,500	11,700	25,100	11,600	7,980	9,940	9,200	6,780
21	5,080	6,540	9,060	16,800	20,000	11,100	22,800	12,100	7,450	9,900	8,840	*6,520
22	5,220	6,470	9,040	17,700	19,100	11,300	24,100	12,300	7,120	10,200	9,280	6,460
23	5,250	6,360	9,300	17,500	*16,700	12,000	27,800	17,000	7,030	10,600	7,840	6,390
24	5,200	6,350	9,540	17,600	15,100	13,600	21,700	21,300	6,940	11,300	6,820	6,350
25	5,200	6,790	9,620	17,400	14,100	13,800	19,200	17,600	6,840	12,500	6,650	6,260
26	5,090	7,000	9,140	17,500	13,800	12,700	16,200	14,100	6,750	14,700	7,380	6,150
27	5,010	7,000	8,860	16,500	14,500	12,700	15,000	19,500	6,520	21,000	7,840	5,850
28	5,120	6,890	8,540	15,400	14,900	12,700	14,000	20,900	6,320	28,000	7,860	5,670
29	5,220	6,980	8,140	14,500	12,800	14,100	19,700	*6,370	26,300	8,780	5,550	5,550
30	5,200	7,310	8,260	13,600	-----	12,200	13,700	15,300	7,470	22,400	9,260	5,410
31	5,220	-----	8,760	13,000	-----	11,900	-----	15,000	-----	19,700	8,240	-----
Total	164,900	179,700	272,750	435,600	544,100	396,200	580,000	378,440	236,750	385,830	358,600	205,490
Mean	5,319	5,990	8,798	14,050	19,430	21,780	19,350	12,210	7,892	12,450	10,920	6,850
(\bar{x})	+22.9	+29.7	+11.3	+53.6	+27.1	+49.1	+1,520	-201	-148	+119	-268	0

Adjusted for change in contents in Jim Woodruff Reservoir

	Mean	Cfsm	In.
Mean	5,342	6,020	8,810
Cfsm	0.312	0.352	0.515
In.	0.36	0.39	0.59

Observed				Adjusted			
Calendar year 1954:	Max	50,600	Min	5,010	Mean	11,420	Cfsm
Water year 1954-55:	Max	43,400	Min	5,010	Mean	11,280	In.
							0.668

* Discharge measurement made on this day.

† Change in contents in Jim Woodruff Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

Chipola River near Altha, Fla.

Location.--Lat 30°32'02", long 85°09'55", in NW¹ sec. 32, T. 2 N., R. 9 W., on right bank on downstream side of bridge on State Highway 274, 0.9 mile downstream from Holliman Branch, and 3½ miles southwest of Altha.

Drainage area.--781 sq mi (revised).

Records available.--November 1912 to December 1913, September 1921 to September 1927, August 1929 to September 1931, March 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 19.95 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 13, 1950, staff, chain, or wire-weight gage at same site and datum.

Average discharge.--20 years (1921-27, 1929-31, 1943-55), 1,501 cfs.

Extremes.--Maximum discharge during year, 2,220 cfs May 28 (gage height, 12.56 ft); minimum, 360 cfs Nov. 13-15 (gage height, 8.29 ft).
1912-13, 1921-27, 1929-31, 1943-55: Maximum discharge, 25,000 cfs Sept. 20, 1926 (gage height, 33.55 ft, from floodmarks), by slope-area determination of peak flow; minimum, that of Nov. 13-15, 1954.

Remarks.--Records good.

Cooperation.--One discharge measurement furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 22 to July 7)

Oct. 1 to Feb. 14

Feb. 15 to Sept. 30

8.2 315
10.0 1,260

8.5 395
10.0 1,220
13.0 2,340

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	448	404	470	438	590	604	456	692	1,060	444	1,120	598
2	442	387	464	442	580	598	483	654	789	422	1,530	598
3	436	376	456	442	564	598	500	620	769	412	1,850	654
4	436	376	431	442	547	598	522	604	714	417	1,980	736
5	426	382	436	436	536	593	*538	576	670	422	1,870	736
6	426	376	442	436	569	593	*544	554	637	422	1,610	692
7	426	376	*431	431	730	582	566	538	604	428	1,240	681
8	442	376	434	426	756	571	560	522	576	439	1,020	670
9	436	376	436	428	780	571	544	510	554	417	956	664
10	436	370	439	431	750	566	593	494	538	417	901	654
11	431	365	442	*426	740	560	610	483	538	444	830	620
12	453	365	442	431	735	560	576	478	532	483	769	593
13	515	365	458	431	750	549	620	466	527	544	742	566
14	470	360	500	426	785	544	901	478	648	554	703	554
15	453	365	475	431	769	544	956	488	593	554	664	554
16	442	453	470	442	752	538	1,020	*472	554	582	626	560
17	442	490	464	475	736	532	1,210	472	538	593	598	571
18	436	475	475	542	725	522	1,610	505	522	620	576	549
19	*436	470	470	625	708	522	1,890	560	518	637	549	549
20	431	431	464	585	681	522	2,010	505	510	637	522	538
21	426	398	458	585	659	516	1,950	544	516	610	500	*522
22	420	387	453	595	*648	544	1,750	549	505	604	505	510
23	392	404	453	610	642	*522	1,460	642	488	549	510	500
24	376	392	448	665	637	516	1,150	668	478	604	516	494
25	376	392	442	655	626	510	1,000	1,200	472	659	676	478
26	376	387	436	650	615	500	918	1,650	466	642	659	466
27	370	392	436	645	610	472	857	2,010	466	654	698	466
28	409	426	431	640	604	483	818	2,200	*456	730	670	461
29	448	414	442	630	-	483	774	2,140	444	764	637	461
30	414	475	436	620	-----	466	725	1,870	434	769	615	461
31	404	-----	436	605	-----	461	-----	1,480	-----	868	582	-----
Total	13,274	12,005	13,950	16,062	16,783	16,740	28,111	25,824	17,204	17,341	27,224	17,216
Mean	428	400	450	518	671	540	937	857	573	559	878	574
Cfs/m	0.548	0.512	0.576	0.663	0.859	0.691	1.20	1.07	0.734	0.716	1.12	0.735
In.	0.63	0.57	0.66	0.76	0.89	0.80	1.34	1.23	0.82	0.83	1.30	0.82

Calendar year 1954: Max 4,080 Min 360 Mean 954 Cfs/m 1.22 In. 16.57
Water year 1954-55: Max 2,200 Min 360 Mean 613 Cfs/m 0.785 In. 10.65

* Discharge measurement made on this day.

Econfina Creek near Bennett, Fla.

Location.--Lat 30°23'04", long 85°33'24", in sec. 20, T. 1 S., R. 13 W., near left bank on downstream side of bridge on State Highway 388, 0.5 mile downstream from Old Mill Branch, and 1.6 miles southwest of Bennett.

Drainage area.--182 sq mi (revised).

Records available.--November 1935 to September 1955.

Gage.--Staff gage read once daily. Datum of gage is 1.03 ft above mean sea level, datum of 1929.

Average discharge.--20 years, 532 cfs.

Extremes.--Maximum discharge during year, 601 cfs Apr. 15 (gage height, 6.02 ft); minimum, 330 cfs Aug. 20; minimum gage height observed, 4.24 ft Mar. 17.
1935-55: Maximum discharge observed, 4,860 cfs Apr. 2, 1948 (gage height, 12.46 ft), from rating curve extended above 2,200 cfs; minimum discharge, that of Aug. 20, 1955; minimum gage height observed, that of Mar. 17, 1955.
Maximum stage known, 15.0 ft, from floodmarks, either in September 1926 or in April 1928 (based on a study of rainfall records).

Remarks.--Records good. Flow includes large ground-water inflow.

Revisions (water years).--WSP 872: 1937.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 30 to June 19)

Oct. 1 to May 30

May 31 to Sept. 30

4.0 343
5.0 449
6.0 598

4.3 326
5.0 393
6.0 575

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	419	402	406	391	394	378	372	365	343	336	388	339
2	415	400	402	389	395	380	374	363	343	337	381	348
3	417	395	397	382	395	378	400	362	342	337	363	361
4	416	*397	393	382	393	378	400	361	342	336	363	359
5	419	408	395	382	391	378	382	360	345	348	354	350
6	416	400	404	383	415	374	378	357	343	339	350	345
7	415	400	395	382	496	*372	374	357	344	335	345	345
8	419	397	393	380	477	370	372	356	342	333	341	339
9	417	396	402	380	432	370	372	355	341	335	339	335
10	415	397	406	382	411	370	378	356	341	354	338	336
11	408	397	402	382	404	370	404	355	373	*435	332	333
12	408	397	397	391	404	372	424	355	344	474	339	335
13	436	397	447	380	386	370	404	354	343	373	400	369
14	428	400	431	376	386	370	475	353	341	357	363	385
15	419	404	428	378	386	368	590	354	342	363	341	357
16	404	413	411	386	386	368	498	381	342	350	338	346
17	402	436	*400	389	384	366	426	389	341	350	336	346
18	406	438	404	412	384	370	*404	364	343	350	335	339
19	404	413	400	510	382	375	394	365	346	371	333	336
20	402	404	393	459	382	382	389	366	340	350	330	335
21	402	398	393	424	382	378	386	375	337	355	332	335
22	400	396	393	415	382	391	401	376	336	355	333	335
23	397	408	393	440	384	380	400	364	335	355	332	333
24	395	406	391	*466	382	378	394	363	334	355	331	335
25	395	400	388	442	380	378	386	360	335	376	359	333
26	397	397	389	415	380	376	376	355	338	367	379	335
27	397	393	386	404	380	368	373	350	357	367	*391	355
28	397	419	389	396	378	371	370	350	335	357	386	346
29	415	436	395	397	-	378	369	349	337	345	361	345
30	408	418	393	394	-----	378	366	*347	335	346	346	340
31	400	-----	393	393	-----	373	-----	346	-----	369	341	-----
Total	12,686	12,162	12,409	12,472	11,131	11,608	12,051	11,143	10,260	11,050	10,900	10,310
Mean	409	405	400	402	398	374	401	359	342	356	352	344
Cfsm	2.25	2.23	2.20	2.21	2.19	2.05	2.20	1.97	1.88	1.96	1.93	1.89
In.	2.59	2.49	2.54	2.55	2.27	2.37	2.46	2.28	2.10	2.26	2.23	2.11
Calendar year 1954: Max	730				Min 366		Mean 476		Cfsm 2.62		In. 35.50	
Water year 1954-55: Max	590				Min 330		Mean 379		Cfsm 2.08		In. 28.25	

Peak discharge (base, 1,200 cfs).--No peak above base.

* Discharge measurement made on this day.

East Fork Choctawhatchee River near Midland City, Ala.

Location.--Lat 31°22', long 85°29', in NW¼ sec. 31, T. 5 N., R. 26 E., on left bank on downstream side of highway bridge, 4 miles upstream from confluence with West Fork Choctawhatchee River and 4 miles north of Midland City.

Drainage area.--297 sq mi (revised).

Records available.--May 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 179.1 ft above mean sea level (levels by Alabama State Highway Department).

Extremes.--Maximum discharge during year, 1,900 cfs Apr. 14 (gage height, 10.52 ft); minimum, 26 cfs Oct. 3 (gage height, 2.46 ft).
1952-55: Maximum discharge, 15,700 cfs May 4, 1953 (gage height, 23.82 ft); minimum, 26 cfs Sept. 6-9, Oct. 3, 1954.

Remarks.--Records fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 20 to Feb. 6, Sept. 8-30)

2.4	21	4.0	243
2.8	60	7.0	940
3.4	141	10.0	1,750

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	44	105	136	143	202	108	120	108	108	355	67
2	30	46	105	130	141	*188	143	110	92	96	434	275
3	27	45	100	123	138	178	162	93	82	73	458	246
4	29	49	90	116	130	170	147	*85	73	84	323	192
5	30	64	100	111	128	165	143	78	66	65	243	154
6	28	61	176	110	323	160	151	72	61	59	225	152
7	34	60	155	107	626	151	*143	66	56	101	252	147
8	42	60	123	103	530	143	144	60	52	89	243	118
9	46	62	123	101	482	138	136	54	*46	54	220	94
10	47	62	129	105	794	134	188	52	50	79	159	79
11	49	60	111	116	990	132	388	49	97	243	129	74
12	52	59	104	120	898	130	422	50	80	302	107	68
13	*74	60	178	118	506	129	650	47	61	302	90	70
14	50	60	176	114	388	129	1,720	50	58	400	83	89
15	56	65	149	110	323	135	1,290	52	56	698	72	96
16	53	88	134	151	292	188	1,340	74	222	698	64	92
17	51	103	132	209	272	168	1,570	123	302	470	57	96
18	49	89	143	212	252	143	1,090	128	167	272	51	93
19	46	*82	130	252	243	129	746	98	128	162	48	85
20	43	79	*118	234	225	123	566	116	135	122	44	71
21	45	78	114	216	221	117	434	168	107	*141	43	64
22	44	76	112	243	214	168	355	329	83	197	45	54
23	42	80	108	262	209	176	312	746	68	178	50	49
24	42	80	105	312	211	155	272	422	58	334	*62	47
25	42	78	101	262	234	147	243	422	58	388	88	44
26	43	76	98	234	225	138	212	422	54	323	71	42
27	42	78	97	*209	209	123	187	388	84	674	72	42
28	42	124	101	195	205	117	165	252	72	674	78	41
29	46	123	140	176	-	116	149	188	57	506	88	45
30	44	114	193	162	-----	114	134	165	83	446	90	44
31	41	-----	154	149	-----	111	-----	134	-----	400	70	-----
Total	1,351	2,205	3,904	5,198	9,352	4,517	13,710	5,213	2,716	8,738	4,414	2,828
Mean	43.6	73.5	126	168	334	146	457	168	90.5	282	142	94.3
Cfsm	0.147	0.247	0.424	0.566	1.12	0.492	1.54	0.566	0.305	0.949	0.478	0.318
In.	0.17	0.28	0.49	0.65	1.17	0.57	1.72	0.65	0.34	1.09	0.55	0.35

Calendar year 1954: Max 1,600 Min 26 Mean 213 Cfsm 0.717 In. 9.75
Water year 1954-55: Max 1,720 Min 27 Mean 176 Cfsm 0.593 In. 8.03

Peak discharge (base, 1,800 cfs).--Apr. 14 (8 a.m.) 1,900 cfs (10.52 ft).

* Discharge measurement made on this day.

CHOCTAWHATCHEE RIVER BASIN

Choctawhatchee River near Newton, Ala.

Location.--Lat 31°21', long 85°37', in SE $\frac{1}{4}$ sec. 2, T. 4 N., R. 24 E., on left bank at downstream side of bridge on U. S. Highway 231, 200 ft downstream from milldam, 1,500 ft upstream from Hurricane Creek, 0.8 mile north of Newton, and 1 mile downstream from Atlantic Coast Line Railroad bridge.

Drainage area.--683 sq mi (revised).

Records available.--June 1906 to August 1908, October 1911 to August 1912 (gage heights only), November 1921 to September 1927, May 1935 to September 1955. Gage-height records collected near same site since 1931 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 138.56 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to Apr. 22, 1907, staff gage at site 1 mile upstream at different datum. Apr. 22, 1907, to Aug. 22, 1908, and Oct. 20, 1911, to Aug. 3, 1912, chain gage at site 800 ft upstream at different datum. Nov. 20, 1921, to Sept. 30, 1927, water-stage recorder at site 800 ft upstream at datum 154.83 ft above mean sea level (levels by Ludlow Engineers). May 10, 1935, to Sept. 8, 1938, wire-weight gage at present site and datum.

Average discharge.--24 years (1922-24, 1925-27, 1935-55), 993 cfs.

Extremes.--Maximum discharge during year, 6,780 cfs Apr. 15 (gage height, 14.69 ft); minimum daily, 71 cfs Oct. 6, from rating curve extended below 120 cfs.

1906-8, 1911-12, 1921-27, 1935-55: Maximum discharge, 25,800 cfs Jan. 20, 1936; maximum gage height, 29.6 ft May 4, 1953; minimum daily, 61 cfs Sept. 8, 1954, from rating curve extended below 120 cfs.

Maximum stage known, 45 ft Mar. 15, 1929, from information by local residents.

Remarks.--Records good except those below 100 cfs, which are fair. Moderate diurnal fluctuation at low flow caused by gristmills above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.5	60	5.0	1,450
2.0	134	9.0	3,730
2.5	254	14.0	6,430
3.0	420		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	125	302	344	375	452	283	286	243	221	500	154
2	72	123	286	324	364	*438	321	268	213	190	576	317
3	73	121	268	317	364	432	372	246	190	156	615	368
4	75	129	251	302	358	420	364	*229	165	205	504	271
5	75	156	285	292	347	401	344	221	150	144	456	254
6	71	163	350	286	765	393	*340	208	140	118	378	266
7	97	167	358	283	1,450	382	344	200	129	148	409	268
8	125	165	350	271	2,850	361	364	186	*121	165	452	221
9	169	167	330	268	2,730	344	364	174	108	118	440	183
10	172	165	317	271	1,560	337	436	161	113	123	412	154
11	148	163	289	298	1,620	334	872	150	181	330	289	144
12	136	163	286	317	1,200	330	872	154	178	500	243	152
13	*152	165	393	321	928	330	1,860	148	169	818	200	136
14	158	165	424	302	765	330	5,680	152	150	1,120	176	156
15	156	172	420	292	690	340	*6,330	152	130	1,040	165	169
16	144	200	386	334	615	382	4,200	176	344	1,010	148	178
17	130	229	358	448	590	382	3,140	266	527	640	127	186
18	123	237	347	540	554	347	2,220	314	424	436	118	181
19	113	*237	324	665	536	324	1,560	337	347	298	113	163
20	110	229	*314	665	522	314	1,230	321	298	243	114	146
21	111	216	305	640	496	308	982	390	232	*223	198	130
22	113	210	286	640	484	386	818	1,110	183	311	229	116
23	113	210	277	640	472	440	715	1,450	156	283	*232	106
24	113	210	277	690	484	401	615	1,120	140	460	210	100
25	111	213	268	540	532	372	552	1,230	169	500	223	92
26	111	210	268	563	522	340	460	1,040	166	444	200	88
27	111	216	263	*509	492	317	412	740	183	872	169	91
28	116	283	263	476	464	298	375	532	158	872	169	86
29	120	317	302	436	-	292	347	382	229	690	200	96
30	116	317	382	405	-----	289	314	334	243	572	243	96
31	118	-----	368	382	-----	289	-----	277	-----	518	186	-----
Total	3,623	5,843	9,878	13,161	23,129	11,100	37,066	12,954	6,149	13,768	8,694	5,048
Mean	117	195	319	425	826	358	1,256	418	205	444	280	168
Cfsm	0.171	0.286	0.467	0.622	1.21	0.524	1.81	0.612	0.300	0.650	0.410	0.246
In.	0.20	0.32	0.54	0.72	1.28	0.60	2.02	0.71	0.33	0.75	0.47	0.27
Calendar year 1954: Max	5,160			Min	61	Mean	560	Cfsm	0.820	In.	11.16	
Water year 1954-55: Max	6,330			Min	71	Mean	412	Cfsm	0.603	In.	8.19	

Peak discharge (base, 5,000 cfs).--Apr. 15 (10 a.m.) 6,780 cfs (14.69 ft).

* Discharge measurement made on this day.

Pea River near Arlton, Ala.

Location.--Lat 31°35', long 85°47', in SW $\frac{1}{4}$ sec. 7, T. 7 N., R. 23 E., on left bank at downstream side of bridge on U. S. Highway 231, 2 $\frac{1}{4}$ miles downstream from Bryors Mill Creek, 2 $\frac{1}{4}$ miles downstream from Atlantic Coast Line Railroad bridge, and 3 $\frac{1}{2}$ miles west of Arlton.

Drainage area.--492 sq mi (revised).

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 246.72 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Average discharge.--17 years, 662 cfs.

Extremes.--Maximum discharge during year, 4,360 cfs Apr. 16 (gage height, 13.05 ft); minimum, 9.2 cfs Oct. 5, 6 (gage height, 1.63 ft).

1938-55: Maximum discharge, 13,100 cfs Mar. 22, 1943 (gage height, 19.98 ft); minimum, 9.2 cfs Sept. 12, 13, 14, 30, Oct. 5, 6, 1954.

Maximum stage known, about 25 ft in March 1929, from information by local residents.

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 23 to May 20)

1.63	9.2	3.0	360
1.7	15	4.0	722
1.9	39	6.0	1,370
2.1	74	10.0	2,790
2.5	177	13.0	4,360

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	18	68	171	177	*283	120	113	253	57	a1,500	68
2	11	19	66	156	168	276	118	98	180	52	a1,100	63
3	11	20	64	139	162	261	118	92	142	52	a920	53
4	9, 2	21	81	139	156	242	115	*81	115	48	a810	64
5	10	22	59	134	153	235	118	70	72	43	a730	a60
6	12	25	72	128	515	224	*118	66	64	40	a700	a72
7	25	28	81	120	2,540	207	123	57	72	36	a690	a84
8	21	32	76	113	3,320	194	144	55	*66	31	a720	a82
9	26	33	78	106	2,660	184	177	50	*57	38	a450	a70
10	28	33	85	108	1,750	174	235	43	57	57	263	a53
11	*27	33	81	120	1,330	168	298	40	72	150	279	a43
12	28	33	83	136	1,240	159	337	39	74	403	210	a36
13	33	33	108	153	987	156	690	39	92	688	177	a33
14	35	32	142	142	722	162	3,140	33	92	789	144	a32
15	35	33	162	128	494	162	*3,620	31	70	822	113	a32
16	31	35	162	139	403	153	4,030	57	184	921	96	a34
17	28	39	144	207	368	153	3,790	83	325	739	81	a35
18	28	40	128	291	352	147	2,310	103	418	494	68	a36
19	25	*45	*123	414	340	144	1,460	144	352	306	59	a34
20	24	48	128	475	337	153	1,020	115	291	194	59	a31
21	21	50	134	512	340	171	688	372	239	*139	94	a29
22	19	45	115	475	340	197	467	954	150	165	287	a27
23	19	45	101	418	333	207	352	2,020	115	147	380	a25
24	18	43	92	368	321	203	294	2,920	92	253	257	a24
25	18	43	89	329	321	190	261	2,420	76	291	*232	a22
26	19	45	85	321	321	174	224	1,750	66	584	214	a21
27	18	45	78	291	310	156	194	1,400	55	822	147	20
28	18	52	81	*253	294	147	168	1,050	52	654	113	19
29	17	68	106	232	-	134	144	789	48	1,020	110	19
30	18	70	142	210	-----	125	125	619	61	1,690	103	18
31	17	-----	165	194	-----	123	-----	426	-----	1,620	83	-----
Total	657.2	1,128	3,157	7,122	20,754	5,664	24,998	16,129	4,002	13,343	10,989	1,239
Mean	21.2	37.6	102	230	741	183	833	520	133	430	354	41.3
Cfsm	0.043	0.076	0.207	0.467	1.51	0.372	1.69	1.06	0.270	0.874	0.720	0.084
In.	0.05	0.09	0.24	0.54	1.57	0.43	1.89	1.22	0.30	1.01	0.83	0.09
Calendar year 1954: Max		2,420		Min 9.2		Mean 255		Cfsm 0.518		In. 7.04		
Water year 1954-55: Max		4,030		Min 9.2		Mean 299		Cfsm 0.608		In. 8.26		

Peak discharge (base, 4,000 cfs).--Apr. 16 (11 p.m.) 4,360 cfs (13.05 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Pea River near Samson and Conecuh River at Brantley.

Pea River near Samson, Ala.

Location.--Lat 31°07', long 86°06', in sec. 25, T. 2 N., R. 19 E., on right bank at downstream side of bridge on State Highway 12, 500 ft downstream from Boyenton Creek 1½ miles downstream from Louisville & Nashville Railroad bridge, 3 miles west of Samson, and 6½ miles upstream from Flat Creek.

Drainage area.--1,187 sq mi (revised).

Records available.--August 1904 to August 1913, June 1922 to October 1925, May 1935 to September 1955. Published as "at Pera" 1904-13, 1922-25.

Gage.--Water-stage recorder. Datum of gage is 97.95 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Corps of Engineers). August 1904 to August 1913, chain gage and June 1922 to October 1925, water-stage recorder, at site 1½ miles upstream at different datum. May 9, 1935, to July 24, 1937, wire-weight gage at present site and datum.

Average discharge.--30 years (1904-12, 1923-25, 1935-55), 1,743 cfs.

Extremes.--Maximum discharge during year, 14,700 cfs Apr. 15 (gage height, 29.10 ft); minimum, 74 cfs Oct. 4 (gage height, 0.94 ft); minimum daily, 74 cfs Oct. 4.

1904-13, 1922-25, 1935-55: Maximum gage height, 42.0 ft Jan. 20, 1925, from flood-marks, site and datum then in use (discharge uncertain); minimum discharge observed, 41 cfs Oct. 26, 1935; minimum daily, 63 cfs Oct. 26, 1935.

Maximum stage known, 45.3 ft Mar. 15, 1929, from floodmarks.

Remarks.--Records good except those for periods of shifting control, which are fair.

Diurnal fluctuation and some regulation at low flow caused by powerplant 25 miles above station.

Revisions (water years).--WSP 1112: 1925(M).

Rating table, water year 1954-55, except periods of shifting control (gage height, in feet, and discharge, in cubic feet per second)

0.9	70	9.0	2,120
1.0	80	17.0	5,680
1.5	137	23.0	9,500
2.5	302	29.0	14,600
5.0	885		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	102	101	312	568	556	760	375	522	910	245	3,880	292
2	101	177	312	545	534	735	708	419	640	221	3,480	568
3	81	129	263	476	522	712	430	430	556	236	2,740	464
4	74	152	282	464	488	664	375	375	488	302	2,500	580
5	94	166	282	442	488	664	*386	343	522	312	2,310	510
6	97	200	322	397	978	664	397	343	263	198	1,760	640
7	104	180	375	408	4,100	604	397	282	408	220	1,460	592
8	128	177	397	343	5,990	592	408	302	272	272	1,340	522
9	180	178	364	375	6,500	556	453	*254	*332	245	1,340	442
10	106	195	364	354	5,390	510	545	*206	254	343	1,580	375
11	108	174	322	442	3,650	545	835	236	263	460	1,250	312
12	*140	162	354	488	2,460	522	1,010	228	592	960	1,040	218
13	188	184	488	453	2,010	522	1,980	254	386	1,610	785	312
14	190	186	545	442	1,700	476	10,800	216	453	2,350	664	282
15	186	206	534	419	1,460	488	14,400	254	312	2,120	568	292
16	158	397	510	453	1,220	488	*12,400	282	354	1,940	510	292
17	144	302	476	664	1,100	510	9,230	343	664	1,670	453	343
18	138	*282	476	810	960	453	7,100	397	835	1,370	397	442
19	147	245	*464	1,100	885	476	5,460	442	935	1,070	386	245
20	120	236	419	1,160	935	476	3,310	397	785	885	375	254
21	161	221	453	1,100	880	442	2,200	419	604	*604	568	245
22	141	216	430	1,160	835	545	1,700	2,960	439	556	568	236
23	147	223	421	1,160	860	604	1,400	4,560	476	760	*640	228
24	133	236	386	1,070	885	568	1,130	3,570	375	1,940	785	236
25	97	228	364	1,010	910	534	985	4,380	568	1,160	664	218
26	129	192	292	885	885	499	785	5,350	453	1,660	580	198
27	134	245	312	*785	835	499	712	3,980	188	2,200	568	165
28	130	275	302	736	*785	375	664	2,660	292	1,790	499	178
29	134	368	408	688	-	453	616	1,940	354	1,700	419	312
30	133	322	664	616	-	364	568	1,550	343	2,200	397	512
31	148	592	556	-	-	408	-	1,190	-	3,190	354	-
Total	4,053	6,503	12,485	20,569	48,741	16,709	81,459	39,064	14,376	34,789	34,860	10,505
Mean	131	217	403	664	1,741	539	2,715	1,260	479	1,122	1,125	344
Cfsm	0.110	0.183	0.340	0.559	1.47	0.454	2.29	1.06	0.404	0.945	0.948	0.290
In.	0.13	0.20	0.39	0.64	1.53	0.52	2.55	1.22	0.45	1.09	1.09	0.32
Calendar year 1954: Max			6,900	Min	74	Mean	824	Cfsm	0.694	In.	9.42	
Water year 1954-55: Max			14,400	Min	74	Mean	887	Cfsm	0.747	In.	10.13	

* Peak discharge (base, 7,000 cfs).--Apr. 15 (1 p.m.) 14,700 cfs (29.10 ft).

* Discharge measurement made on this day.

Note.--Shifting-control method used Feb. 12 to Apr. 13, Apr. 21 to May 22, May 31 to July 13.

Choctawhatchee River at Caryville, Fla.

Location.--Lat 30°46'32", long 85°49'40", in sec. 10, T. 4 N., R. 16 W., near right bank on downstream side of bridge on U. S. Highway 90, 300 ft downstream from Louisville & Nashville Railroad bridge, three-quarters of a mile west of Caryville, and 1.8 miles downstream from Wrights Creek.

Drainage area.--3,499 sq mi (revised).

Records available.--August 1929 to September 1955. Gage-height records collected at same site since 1928 are contained in reports of U. S. Weather Bureau.

Gage.--Wire-weight gage read twice daily. Datum of gage is 39.00 ft above mean sea level, datum of 1929. Prior to Oct. 12, 1929, staff gage, and Oct. 12, 1929, to Sept. 11, 1951, water-stage recorder, at same site and datum.

Average discharge.--26 years, 5,397 cfs.

Extremes.--Maximum discharge during year, 30,300 cfs Apr. 18 (gage height, 13.02 ft); minimum, 814 cfs Oct. 6 (gage height, -0.76 ft).

1929-55: Maximum discharge, 56,600 cfs Sept. 4, 1937 (gage height, 15.55 ft); minimum, 796 cfs Aug. 19, 1954; minimum gage height, -0.82 ft Sept. 6, 1954.

Maximum stage known, 27.1 ft Mar. 17, 1929, from U. S. Weather Bureau records and floodmarks (discharge, 206,000 cfs, by slope-area determination of peak flow).

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 18, July 20 to Sept. 30			Apr. 19 to May 25			May 26 to July 19					
-0.8	810	8.0	6,830	0.7	1,190	9.0	7,940	0.9	1,200	9.0	9,290
0.0	980	10.0	12,100	3.0	2,150	10.0	10,700	2.0	1,600	11.0	15,800
2.0	1,680	11.0	15,800	6.0	3,920	11.0	14,600	5.0	3,270	13.0	30,100
5.0	3,270	12.0	21,700	8.0	6,070	13.0	30,100	7.0	5,460		
6.0	3,990	13.0	30,100								

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	876	920	1,520	2,000	1,920	2,350	1,390	2,190	4,350	1,320	4,540	1,460
2	836	895	1,390	2,070	1,890	2,270	1,630	2,050	*3,400	1,270	5,250	1,790
3	856	910	1,330	2,180	1,750	2,240	2,040	1,880	3,720	1,230	5,720	2,390
4	834	*895	1,300	2,150	1,720	2,160	a1,920	1,800	2,290	1,290	5,680	2,840
5	819	918	1,610	2,020	1,700	2,080	1,770	1,680	2,110	1,280	5,320	3,250
6	816	986	1,660	1,910	1,740	2,040	1,660	1,570	2,020	1,540	4,740	2,990
7	818	1,030	1,680	1,740	2,680	1,990	1,590	1,470	1,680	1,400	4,200	2,740
8	816	1,050	1,720	1,540	4,350	1,900	1,540	1,380	1,540	1,200	3,750	2,280
9	840	1,040	1,720	1,500	6,090	1,770	1,530	1,320	1,440	1,200	3,570	2,120
10	872	995	1,580	1,420	7,670	*1,700	1,620	1,310	1,420	1,320	3,400	1,820
11	898	1,030	1,500	1,460	9,320	1,710	1,900	1,270	1,490	1,400	3,320	1,620
12	922	1,040	1,470	1,490	9,980	1,720	2,790	1,210	1,540	1,860	3,110	1,490
13	918	1,020	1,500	1,550	8,540	1,680	3,410	1,190	1,790	2,640	2,630	1,380
14	1,150	1,020	*1,700	1,570	6,460	1,660	4,830	1,200	1,690	3,780	2,260	1,320
15	1,060	1,050	2,000	1,540	4,840	1,610	9,210	1,290	1,570	*4,990	1,980	1,350
16	1,230	1,080	2,000	1,530	4,110	1,580	15,800	1,280	1,430	5,220	1,790	1,380
17	1,250	1,240	1,820	1,840	3,500	1,580	26,000	1,440	1,400	4,430	1,680	1,460
18	1,070	1,380	1,740	2,190	3,220	1,620	29,400	1,480	2,000	4,030	1,420	1,400
19	912	1,340	1,700	2,560	2,890	1,680	a25,600	1,600	2,240	3,350	1,390	1,480
20	910	1,300	1,690	2,910	2,820	1,600	a20,800	a1,880	2,200	2,750	1,300	1,520
21	914	1,220	1,590	3,030	2,670	1,580	a14,300	2,060	2,000	2,280	1,290	1,340
22	907	1,190	1,530	2,860	2,600	1,570	*10,200	2,180	1,890	1,990	1,520	1,220
23	892	1,170	1,520	2,900	2,540	1,550	6,520	6,560	1,610	1,880	*1,800	1,180
24	901	1,170	1,630	3,030	2,480	1,840	5,000	23,100	1,470	2,060	2,060	1,140
25	901	1,140	a1,480	3,080	2,500	1,880	4,190	28,200	1,500	2,650	2,180	1,130
26	886	1,170	a1,430	2,960	2,640	1,800	3,680	21,800	1,990	3,290	2,100	1,140
27	880	1,130	1,380	*2,790	2,660	1,890	3,230	15,300	2,000	3,290	1,840	1,080
28	876	1,190	1,320	2,500	2,480	1,570	2,870	11,600	1,770	3,660	1,920	995
29	907	1,300	1,360	a2,230	-	1,540	2,570	9,850	1,480	4,570	1,840	1,020
30	880	1,440	1,500	a2,090	-----	1,460	2,290	7,720	1,360	4,270	1,580	998
31	914	-----	1,710	1,980	-----	1,470	-----	5,760	-----	4,060	1,440	-----
Total	28,561	33,259	48,980	66,620	107,870	55,090	210,470	164,620	57,390	81,500	86,820	49,323
Mean	921	1,109	1,580	2,149	3,852	1,777	7,016	5,310	1,913	2,629	2,801	1,644
Cfsm	0.263	0.317	0.452	0.614	1.10	0.508	2.01	1.52	0.547	0.751	0.801	0.470
In.	0.30	0.35	0.52	0.71	1.15	0.59	2.24	1.75	0.61	0.87	0.92	0.52

Calendar year 1954: Max 25,300 Min 796 Mean 3,219 Cfsm 0.920 In. 12.48
 Water year 1954-55: Max 29,400 Min 816 Mean 2,714 Cfsm 0.776 In. 10.53

* Discharge measurement made on this day.
 a No gage-height record; discharge estimated on basis of records for nearby stations.

Holmes Creek at Vernon, Fla.

Location.--Lat 30°37'35", long 85°42'45", in sec. 35, T. 3 N., R. 15 W., near left bank on downstream side of bridge on State Highway 79 at Vernon, a quarter of a mile downstream from Pippin Mill Creek.

Drainage area.--386 sq mi (revised).

Records available.--April 1950 to September 1955.

Gage.--Wire-weight gage read twice daily. Datum of gage is 10.70 ft above mean sea level, datum of 1929.

Average discharge.--5 years, 503 cfs.

Extremes.--Maximum discharge during year, 3,620 cfs May 25 (gage height, 17.96 ft); minimum, 234 cfs July 8 (gage height, 10.31 ft).

1950-55: Maximum discharge, 5,240 cfs Sept. 2, 1950 (gage height, 19.02 ft); minimum, that of July 8, 1955.

Remarks.--Records fair except those for period of no gage height record, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 12-16)

Oct. 1 to Nov. 16			Nov. 17 to Apr. 13			Apr. 14 to Sept. 30		
10.2	293		10.2	257	10.3	233	18.0	2,040
11.0	342		11.0	339	13.0	632	18.0	3,660
					14.0	960		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		299	277	269	278	296	282	327	498	236	393	334
2		299	277	268	280	293	325	316	*443	238	413	373
3		299	276	266	277	290	316	305	403	241	401	368
4		*300	273	267	276	289	309	298	373	245	396	379
5		304	271	267	280	289	308	292	351	243	421	357
6		300	270	268	290	288	308	285	336	238	441	345
7		299	269	265	319	290	329	282	323	256	427	340
8		297	270	264	316	286	314	277	310	254	410	351
9		296	276	263	318	285	306	271	295	243	385	338
10		295	274	264	319	*284	316	267	288	292	369	315
11		295	269	263	323	283	322	263	303	317	355	303
12		295	269	262	320	283	317	260	294	312	340	295
13		294	278	262	325	281	325	262	282	312	337	359
14		295	274	260	333	279	558	264	280	329	337	390
15		297	274	263	329	280	632	268	277	*326	322	371
16		302	*272	266	324	281	759	275	274	315	306	364
17		296	272	275	320	277	1,000	274	268	305	295	379
18		289	281	277	320	278	1,200	268	264	292	285	358
19		290	276	288	322	280	1,100	266	262	281	278	340
20		287	271	279	317	281	888	270	260	275	273	327
21		285	269	279	313	283	*707	273	255	306	281	312
22		286	270	282	308	291	610	280	253	308	*513	298
23		293	270	286	305	287	533	308	251	368	312	295
24		290	268	292	302	283	474	642	248	387	319	294
25		284	265	287	298	285	443	3,300	251	385	351	287
26		281	263	283	297	284	417	3,260	248	387	366	281
27		281	263	*284	297	283	392	2,150	251	418	383	287
28		290	264	284	296	284	368	1,500	245	421	376	281
29		283	275	281	-	286	352	1,100	242	408	362	278
30		280	272	279	-	283	337	792	258	404	345	275
31		300	269	277	-	281	-	592	-	401	331	-
Total	9,440	8,781	8,417	8,470	8,602	8,823	14,847	19,787	8,866	9,701	10,923	9,874
Mean	305	293	272	273	307	285	495	638	296	313	352	329
Cfsm	0.790	0.759	0.705	0.707	0.795	0.738	1.28	1.65	0.767	0.811	0.912	0.852
In.	0.91	0.85	0.81	0.82	0.83	0.85	1.43	1.91	0.85	0.93	1.05	0.95
Calendar year 1954: Max			2,280	Min	263	Mean	468	Cfsm	1.21	In.	16.44	
Water year 1954-55: Max			3,500	Min	234	Mean	347	Cfsm	0.899	In.	12.19	

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Chipola River near Altha and Econfina Creek near Bennett.

Choctawhatchee River near Bruce, Fla.

Location.--Lat 30°27'03", long 85°53'54", in sec. 36, T. 1 N., R. 17 W., on downstream fender pile at center swing pier of bridge on State Highway 20, about 4 miles south-east of Bruce, and 5.8 miles downstream from Holmes Creek.

Drainage area.--4,384 sq mi (revised).

Records available.--October 1930 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 3.94 ft above mean sea level, datum of 1929. Prior to Apr. 6, 1934, staff gage at site 1 mile downstream at datum 0.25 ft lower.

Average discharge.--25 years, 7,133 cfs.

Extremes.--Maximum discharge during year, 24,900 cfs Apr. 21 (gage height, 10.81 ft); minimum, 1,480 cfs Oct. 9 (gage height, -0.23 ft).

1930-55: Maximum discharge, 69,600 cfs Aug. 19, 20, 1939; maximum gage height, 16.68 ft Aug. 19, 1939; minimum discharge, that of Oct. 9, 1954.

Maximum stage known, 25.0 ft at former site and datum, in March 1929, from flood-marks (discharge, 220,000 cfs, from rating curve extended above 66,000 cfs on basis of records for station at Caryville).

Remarks.--Records good.

Revisions (water years).--WSP 872: 1937.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 13-20)

-0.3	1,450	6.0	7,650
1.0	2,070	8.0	12,500
2.0	2,650	10.0	20,500
4.0	4,280	11.0	26,000

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,620	1,540	1,970	2,250	2,790	3,250	2,110	4,040	12,000	a2,400	a4,950	2,630
2	1,580	1,540	2,060	2,430	2,700	3,180	2,280	3,520	*10,100	a2,300	a5,300	2,510
3	1,580	1,520	2,040	2,520	2,610	3,080	2,680	3,170	8,370	a2,200	a5,700	2,640
4	1,580	*1,520	2,000	2,590	2,520	3,000	2,830	2,910	6,870	a2,120	6,000	2,860
5	1,560	1,590	1,980	2,630	2,450	2,930	2,820	2,720	5,310	a2,070	6,380	3,140
6	1,540	1,580	2,010	2,600	2,490	2,860	2,720	2,590	4,090	a2,090	6,640	3,460
7	1,510	1,600	1,960	2,550	2,760	*2,790	2,580	2,460	3,420	a2,270	6,720	3,650
8	1,480	1,630	2,050	2,460	3,150	2,700	2,480	2,360	3,000	a2,550	6,700	3,610
9	1,480	1,660	2,210	2,310	3,600	2,620	2,360	2,270	2,720	a2,330	6,490	3,420
10	1,510	1,670	2,280	2,200	4,080	2,560	2,360	2,180	2,570	a2,180	6,080	3,140
11	1,530	1,650	2,240	2,150	4,520	2,510	2,520	2,100	2,570	a2,700	5,520	2,830
12	1,600	1,660	2,180	2,100	4,980	2,470	2,700	2,040	2,550	3,270	5,020	2,600
13	1,670	1,680	2,210	2,110	5,640	2,420	3,050	1,990	2,520	4,020	4,700	2,490
14	1,660	1,690	2,190	2,120	6,590	2,380	3,600	1,970	2,550	4,290	4,320	2,370
15	1,700	1,710	2,250	2,150	7,540	a2,350	4,230	1,970	2,550	*4,380	3,940	2,280
16	1,690	1,780	2,420	2,190	8,120	a2,340	4,940	2,020	2,460	4,500	3,570	2,260
17	1,670	1,800	*2,500	2,240	8,040	a2,330	5,930	2,060	2,330	4,670	3,170	2,350
18	1,640	1,860	2,530	2,390	7,440	a2,330	*7,820	2,140	2,250	4,950	2,830	2,360
19	1,600	1,960	2,480	2,720	6,510	a2,330	13,500	2,160	2,460	5,130	2,580	2,350
20	1,570	2,000	2,350	2,890	5,490	2,360	22,400	2,360	2,670	5,070	2,370	2,340
21	1,560	1,940	2,290	3,080	4,660	2,340	24,500	2,680	2,750	4,740	2,260	2,340
22	1,560	1,880	2,240	3,250	4,090	2,400	23,000	2,810	2,740	4,280	*2,280	2,240
23	1,550	1,860	2,200	3,350	3,740	2,350	19,600	2,860	2,650	3,790	2,420	2,120
24	1,560	1,850	2,170	*3,420	3,520	2,320	16,400	3,280	2,510	a3,400	2,820	2,040
25	1,560	1,820	2,140	3,480	3,350	2,420	13,200	4,020	2,340	a3,510	3,210	1,980
26	1,570	1,800	2,110	3,540	3,270	2,500	10,600	6,810	2,250	a3,600	3,340	1,940
27	1,580	1,810	2,070	3,590	3,260	2,470	8,920	16,900	2,470	a3,720	3,420	1,920
28	1,570	1,860	2,040	3,540	3,270	2,350	7,500	22,800	2,680	a3,900	3,510	1,910
29	1,600	1,890	2,060	3,380	-	2,270	6,150	21,100	2,640	a4,020	3,170	1,920
30	1,590	1,900	2,120	3,160	-----	2,190	4,900	17,700	a2,500	a4,260	3,030	1,900
31	1,560	-----	2,140	2,950	-----	2,140	-----	14,600	-----	a4,610	2,820	-----
Total	49,030	52,250	67,470	84,340	123,180	78,540	230,860	164,590	108,890	109,300	131,060	75,600
Mean	1,582	1,742	2,176	2,721	4,399	2,534	7,695	5,309	3,630	3,526	4,228	2,520
Cfsm	0.361	0.397	0.496	0.621	1.00	0.578	1.76	1.21	0.828	0.804	0.964	0.575
In.	0.42	0.44	0.57	0.72	1.04	0.67	1.96	1.40	0.92	0.93	1.11	0.64
Calendar year 1954: Max	25,600	Min	1,480	Mean	4,381	Cfsm	0.999	In.	13.57			
Water year 1954-55: Max	24,500	Min	1,480	Mean	5,493	Cfsm	0.797	In.	10.82			

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for station at Caryville and recorded range in stage.

Alauqa Creek near De Funiak Springs, Fla.

Location.--Lat 30°37'00", long 86°09'50", in NE¼ sec. 5, T. 1 N., R. 19 W., near center of span on downstream side of Pine Allen Bridge on U. S. Forest Service Road 200 in Eglin Field Military Reservation, 0.8 mile upstream from Davis Branch and 8 miles southwest of De Funiak Springs.

Drainage area.--65.6 sq mi.

Records available.--April 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 19.65 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 541 cfs July 11 (gage height, 12.96 ft); minimum, 27 cfs June 9, 21, 22, 30, July 1; minimum gage height, 5.93 ft June 22. 1951-55: Maximum discharge, 5,160 cfs Sept. 26, 1953 (gage height, 18.47 ft), from rating curve extended above 1,800 cfs; minimum, that of June 9, 21, 22, 30, July 1, 1955; minimum gage height, that of June 22, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 21-24)

5.9	26
6.5	47
8.0	129
10.0	287
12.0	423

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	39	42	44	46	52	39	46	*33	27	170	78
2	40	39	42	45	46	50	152	44	32	30	340	116
3	38	*28	41	45	45	48	111	45	31	39	198	130
4	39	41	41	42	43	48	68	42	31	36	110	361
5	38	58	42	42	43	47	56	41	30	30	114	186
6	37	47	45	41	137	46	52	40	30	29	92	121
7	38	43	42	40	313	44	49	39	31	47	105	103
8	37	42	42	40	149	42	47	39	30	47	211	91
9	36	40	45	40	96	42	46	38	28	64	106	85
10	36	40	61	40	86	*42	91	36	32	92	91	77
11	35	39	47	41	89	43	191	36	58	373	109	76
12	50	39	44	39	95	42	156	35	42	271	83	75
13	55	39	72	39	78	41	93	34	34	142	73	75
14	42	39	*61	58	74	40	262	34	32	*158	171	97
15	40	44	49	39	72	40	224	35	31	90	98	86
16	38	60	45	51	68	40	108	35	32	76	77	87
17	38	51	45	92	67	39	93	40	33	76	67	87
18	38	48	57	78	65	38	83	45	30	111	61	74
19	37	44	52	97	61	38	76	44	29	74	58	67
20	36	42	46	62	59	47	73	42	29	60	56	64
21	37	42	45	53	56	47	*98	50	28	90	80	61
22	37	42	44	58	55	50	155	44	27	117	144	59
23	36	50	44	67	57	52	95	56	29	92	*91	59
24	36	46	43	100	57	44	80	46	42	125	246	61
25	36	43	42	71	65	41	71	42	37	144	280	58
26	36	42	41	56	56	40	62	38	32	119	138	56
27	36	42	41	*52	55	39	56	35	34	126	147	177
28	37	48	42	51	53	40	54	34	34	90	122	116
29	51	49	54	49	-	42	53	33	30	80	98	81
30	43	43	57	48	-----	41	49	39	28	90	86	76
31	39	-----	46	47	-----	40	-----	36	-----	104	79	-----
Total	1,217	1,317	1,460	1,647	2,186	1,345	2,843	1,239	979	3,029	3,891	2,931
Mean	39.3	43.9	47.1	53.1	78.1	43.4	94.8	40.0	32.6	97.7	126	97.7
Cfs/m	0.599	0.669	0.718	0.809	1.19	0.662	1.45	0.610	0.497	1.49	1.92	1.49
In.	0.69	0.75	0.83	0.93	1.24	0.76	1.61	0.70	0.56	1.72	2.21	1.68
Calendar year 1954: Max	510			Min	35	Mean	99.3	Cfs/m	1.51	In.	20.56	
Water year 1954-55: Max	373			Min	27	Mean	66.0	Cfs/m	1.01	In.	13.66	

Peak discharge (base, 550 cfs).--No peak above base.

* Discharge measurement made on this day.

Yellow River at Milligan, Fla.

Location.--Lat 30°45'10", long 86°37'45", in sec. 15, T. 3 N., R. 24 W., on right bank 10 ft downstream from bridge on U. S. Highway 90, half a mile east of Milligan, half a mile upstream from Trammel Creek, and 6¼ miles upstream from Shoal River.

Drainage area.--624 sq mi (revised).

Records available.--July 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 51.55 ft above mean sea level, datum of 1929. Prior to Dec. 6, 1939, staff gage at same site and datum.

Average discharge.--17 years, 1,156 cfs.

Extremes.--Maximum discharge during year, 13,200 cfs about Apr. 16 (gage height, 11.95 ft, from floodmark); minimum, 143 cfs Oct. 25 (gage height, 1.07 ft).
1938-55: Maximum discharge, 28,000 cfs Dec. 6, 1953 (gage height, 15.13 ft); minimum, that of Oct. 25, 1954.

Flood in 1929 reached a stage of 26.2 ft, from information by local residents.

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Revisions (water years).--WSP 892: 1938-39.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 8			Feb. 9 to Sept. 30		
1.0	126		1.3	242	
3.0	677		2.0	424	
6.0	1,610		6.0	1,610	
			8.0	2,890	
			12.0	13,400	

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	151	241	313	347	535	327	532	*872	322	3,330	516
2	158	158	262	303	339	513	377	496	738	335	2,280	418
3	149	*158	269	295	328	496	416	464	630	322	1,800	396
4	153	167	264	284	322	481	364	438	547	297	1,740	407
5	160	200	246	277	325	470	348	410	464	280	1,720	385
6	158	198	295	271	1,050	456	338	382	444	310	1,560	369
7	171	190	288	266	1,530	438	330	372	438	297	1,360	359
8	162	185	254	261	1,560	427	325	356	402	294	1,390	380
9	156	190	254	257	1,470	*413	318	338	377	287	1,610	369
10	151	193	264	258	1,400	404	314	325	418	282	1,760	335
11	156	188	262	260	1,480	396	310	314	516	297	1,500	312
12	164	183	259	259	1,400	388	650	304	518	333	1,060	297
13	160	183	339	256	1,020	382	560	294	530	453	612	300
14	158	181	353	250	826	382	880	290	496	*581	798	300
15	158	193	*322	257	744	380	3,400	287	447	527	721	294
16	151	218	320	305	695	374	13,000	294	404	436	587	292
17	149	220	328	460	658	369	8,600	385	418	369	516	287
18	151	218	320	566	632	361	5,900	385	418	325	464	280
19	151	220	298	522	610	353	4,200	353	461	290	424	284
20	149	228	282	470	592	369	2,630	351	456	272	410	284
21	149	228	285	451	575	385	*1,750	391	388	294	501	277
22	149	223	290	458	558	418	1,360	1,070	346	310	664	264
23	149	218	285	490	575	447	1,130	3,840	327	280	535	254
24	147	212	269	580	595	421	1,000	3,310	320	310	*498	257
25	143	208	261	570	612	410	906	2,680	312	356	453	270
26	145	208	260	*520	604	388	823	2,370	447	516	407	267
27	147	210	260	470	589	361	749	2,060	470	1,090	404	359
28	145	241	265	441	564	346	678	1,670	496	1,340	473	290
29	149	238	304	404	-	340	621	1,250	430	1,770	464	257
30	151	228	348	376	-----	335	575	1,050	361	3,070	396	247
31	147	-----	326	359	-----	327	-----	920	-----	4,420	372	-----
Total	4,748	6,036	8,963	11,509	22,000	12,565	53,179	27,981	13,909	20,665	31,009	9,606
Mean	153	201	286	371	766	408	1,773	903	464	667	1,000	320
Cfsm	0.245	0.322	0.458	0.595	1.26	0.649	2.84	1.45	0.744	1.07	1.60	0.513
In.	0.28	0.36	0.53	0.69	1.31	0.75	3.17	1.67	0.83	1.23	1.85	0.57
Calendar year 1954: Max	4,840			Min	143	Mean	634	Cfsm	1.02	In.	13.78	
Water year 1954-55: Max	13,000			Min	143	Mean	608	Cfsm	0.974	In.	13.24	

* Discharge measurement made on this day.

Note.--No gage-height record Dec. 25 to Jan. 26, Apr. 9-20; discharge estimated on basis of records for Shoal River near Crestview, recorded range in stage, and floodmark.

Shoal River near Mossy Head, Fla.

Location.--Lat 30°47'45", long 86°18'25", in SW¼ sec. 36, T. 4 N., R. 21 W., near left bank on downstream side of county road bridge, 200 ft downstream from Machine Branch and 3.9 miles north of Mossy Head.

Drainage area.--123 sq mi.

Records available.--March 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 105.59 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 5,900 cfs May 23 (gage height, 19.45 ft); minimum, 44 cfs June 24 (gage height, 3.56 ft).

1951-55: Maximum discharge, 8,690 cfs Sept. 27, 1953 (gage height, 21.86 ft), from rating curve extended above 4,100 cfs on basis of slope-conveyance study; minimum, that of June 24, 1955; minimum gage height, 3.13 ft Aug. 30, Sept. 9, 1951.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

3.5	40	13.0	1,730
4.0	80	15.0	2,650
5.0	205	17.0	3,880
10.0	1,050		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	62	74	79	87	98	68	79	*196	48	151	99
2	68	62	71	83	85	94	116	75	156	48	260	106
3	66	*61	70	80	82	91	123	71	135	90	183	123
4	66	67	69	76	80	89	92	68	119	93	126	163
5	66	79	74	74	82	86	82	64	108	90	110	148
6	64	72	86	73	262	84	78	61	99	82	104	112
7	66	71	80	70	374	80	75	59	93	66	100	99
8	64	68	75	69	280	77	72	57	83	71	258	90
9	63	67	85	69	183	76	72	55	76	66	180	85
10	61	67	87	71	148	*76	96	53	92	95	136	80
11	60	66	78	73	258	76	288	53	126	355	111	78
12	66	66	77	71	255	76	235	50	93	250	100	77
13	72	65	126	69	186	75	187	50	76	289	98	83
14	70	65	*108	68	148	74	996	50	68	*344	131	87
15	70	72	90	68	137	73	927	60	64	218	99	86
16	65	97	84	136	129	73	463	88	61	136	86	85
17	64	85	82	177	136	71	338	179	58	130	79	88
18	63	76	96	176	119	70	263	117	55	216	76	87
19	62	75	88	199	112	69	210	86	53	173	73	79
20	62	69	82	137	106	88	176	113	53	113	77	75
21	62	68	80	112	102	83	*215	123	50	102	152	73
22	61	68	78	132	99	90	244	437	47	122	272	70
23	60	70	76	136	103	87	175	3,620	46	109	*180	71
24	60	69	75	179	111	78	148	1,170	46	131	296	70
25	60	67	74	137	134	74	129	621	46	116	180	69
26	60	68	72	113	113	70	116	453	48	136	136	75
27	60	72	72	*103	104	68	105	339	116	156	148	101
28	60	103	75	99	101	69	99	257	77	116	169	78
29	65	90	89	94	-	72	93	286	57	97	128	74
30	63	78	94	91	-----	70	85	455	50	104	111	72
31	62	-----	83	89	-----	69	-----	289	-----	110	102	-----
Total	1,984	2,161	2,548	3,203	4,116	2,426	6,364	9,538	2,447	4,282	4,412	2,683
Mean	64.0	72.0	82.2	103	147	78.3	212	308	81.6	138	142	89.4
Cfsm	0.520	0.585	0.668	0.837	1.20	0.637	1.72	2.50	0.663	1.12	1.15	0.727
In.	0.60	0.65	0.77	0.97	1.24	0.73	1.92	2.88	0.74	1.29	1.33	0.81

Calendar year 1954: Max 785 Min 60 Mean 163 Cfsm 1.33 In. 18.04
 Water year 1954-55: Max 3,620 Min 46 Mean 126 Cfsm 1.02 In. 13.93

Peak discharge (base, 1,200 cfs).--Apr. 14 (9 p.m.) 1,300 cfs (11.28 ft); May 23 (7:30 p.m.) 5,900 cfs (19.45 ft).

* Discharge measurement made on this day.

Shoal River near Crestview, Fla.

Location--Lat 30°41'50", long 86°34'15", in sec. 5, T. 2 N., R. 23 W., on right bank on downstream side of bridge on State Highway 85, 3½ miles downstream from Tift Creek, 4¼ miles south of Crestview, and 7 miles upstream from mouth.

Drainage area--474 sq mi (revised).

Records available--July 1938 to September 1955.

Gage--Water-stage recorder. Datum of gage is 47.21 ft above mean sea level, datum of 1929. Prior to Feb. 12, 1939, staff gage at same site and datum.

Average discharge--17 years, 1,064 cfs.

Extremes--Maximum discharge during year, 10,100 cfs May 24 (gage height, 10.43 ft); minimum, 263 cfs May 13, 14 (gage height, 0.96 ft).

1938-55: Maximum discharge, 21,700 cfs July 7, 1940 (gage height, 14.26 ft); minimum, that of May 13, 14, 1955.

Remarks--Records good.

Revisions (water years)--WSP 1274: 1939-40, 1944, 1947, 1950.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 16 to Sept. 30)

0.9	253	6.0	1,630
2.0	448	6.5	2,160
4.0	865	9.0	6,800
5.0	1,150	11.0	11,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	345	*297	335	371	392	444	311	390	*900	327	945	540
2	338	a298	326	363	387	430	383	390	898	333	1,260	614
3	320	297	317	358	380	416	521	371	614	360	1,200	576
4	315	304	311	345	369	407	457	362	563	466	951	778
5	315	369	317	335	363	398	381	353	531	448	783	763
6	309	372	356	327	918	390	349	336	510	399	618	642
7	309	344	371	318	1,660	376	335	324	502	408	548	550
8	309	331	358	311	1,630	365	322	309	483	394	842	479
9	306	318	353	309	1,080	*362	317	294	452	403	1,340	443
10	301	313	376	313	740	367	416	282	470	426	1,310	414
11	294	308	365	315	728	367	557	270	614	708	948	401
12	294	302	347	311	840	363	747	267	555	1,010	660	396
13	309	299	444	309	718	358	606	265	470	883	557	412
14	318	297	*514	301	626	349	995	263	423	*1,300	728	443
15	a304	320	443	304	580	344	2,050	267	414	1,140	642	443
16	a296	383	387	432	553	338	3,000	282	474	698	512	432
17	a287	394	367	704	542	333	1,570	403	453	583	457	421
18	a287	363	378	640	525	326	908	500	392	538	425	410
19	a287	336	387	668	504	322	690	419	380	559	403	390
20	a287	322	380	584	487	380	608	358	378	512	390	369
21	287	313	371	477	472	381	*578	430	374	493	536	356
22	a287	313	365	487	459	405	780	644	365	525	1,100	345
23	287	317	362	534	487	419	674	3,220	356	678	1,150	340
24	a290	320	356	660	494	381	576	9,150	356	658	*874	383
25	a299	313	353	626	538	351	542	6,320	315	586	932	361
26	a306	309	351	*514	519	335	519	2,900	365	680	692	362
27	a311	311	349	459	477	317	472	1,490	407	1,130	626	553
28	a315	385	358	439	459	317	430	1,060	510	932	782	491
29	a315	416	412	419	-	326	421	842	435	636	686	398
30	309	365	462	407	-----	327	407	1,150	358	662	540	376
31	a301	-----	405	399	-----	318	-----	1,280	-----	905	487	-----
Total	9,437	9,927	11,576	13,339	17,927	11,312	20,922	35,181	14,065	19,760	23,924	13,901
Mean	304	331	373	430	640	365	697	1,135	469	637	772	463
Cfsm	0.641	0.698	0.787	0.907	1.35	0.770	1.47	2.39	0.989	1.34	1.63	0.977
In.	0.74	0.78	0.91	1.05	1.41	0.89	1.64	2.76	1.10	1.55	1.88	1.09
Calendar year 1954: Max	4,440				Min 287		Mean 767	Cfsm 1.62	In. 21.99			
Water year 1954-55: Max	9,150				Min 263		Mean 551	Cfsm 1.16	In. 15.80			

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of 5 observer's readings and records for nearby stations.

BLACKWATER RIVER BASIN

Blackwater River near Baker, Fla.

Location.--Lat 30°50'00", long 86°44'05", in sec. 22, T. 4 N., R. 25 W., near right bank at downstream side of bridge on State Highway 4, 0.3 mile downstream from Red Wash Branch and 3.8 miles northwest of Baker.

Drainage area.--205 sq mi.

Records available.--March 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 60.5 ft above mean sea level, datum of 1929 (from design elevation of bridge curb furnished by Florida State Road Department).

Average discharge.--5 years, 236 cfs.

Extremes.--Maximum discharge during year, 8,580 cfs Apr. 14 (gage height, 17.19 ft); minimum, 61 cfs Oct. 3, 4, 6; minimum gage height, 2.80 ft Sept. 22, 23, 24.
1950-55: Maximum discharge, 17,200 cfs Dec. 4, 1953 (gage height, 20.80 ft), from rating curve extended above 7,200 cfs on basis of velocity-area study; minimum, 60 cfs Sept. 7, 8, 1954; minimum gage height, that of Sept. 22, 23, 24, 1955.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 31 to June 10)

Oct. 1 to Jan. 19, Feb. 8 to Apr. 14				Jan. 20 to Feb. 7, Apr. 15 to Sept. 30			
2.8	58	10.0	2,070	2.8	68		
3.0	74	13.0	3,390	4.0	194		
3.5	128	15.0	4,750	5.0	387		
5.0	402	16.0	6,240	7.0	1,020		
7.0	1,020						

Note.--Same as preceding table above 7.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	66	72	78	95	104	76	128	*139	89	430	90
2	63	68	71	78	95	100	84	125	129	95	616	91
3	62	*66	71	78	95	95	88	121	122	94	430	92
4	62	69	71	76	91	92	81	116	116	92	278	90
5	62	74	75	73	96	91	78	115	112	86	338	88
6	64	74	84	72	506	89	76	111	107	87	298	86
7	68	72	81	72	1,030	87	74	110	106	92	211	84
8	71	71	77	72	583	86	72	107	104	88	179	81
9	68	70	77	72	365	*85	73	104	100	85	163	79
10	65	70	76	72	272	84	96	102	101	81	154	78
11	64	69	75	75	222	83	160	100	119	80	169	77
12	64	68	76	76	192	82	162	99	120	83	158	76
13	64	68	94	74	169	80	357	97	107	*94	134	77
14	64	68	108	73	154	79	5,750	98	100	120	128	77
15	63	72	*92	72	146	78	5,410	99	95	118	120	77
16	62	88	85	102	138	77	1,860	95	94	98	112	77
17	63	83	81	135	131	77	862	127	92	88	107	77
18	64	78	80	129	125	76	561	134	83	85	102	75
19	64	75	81	142	120	76	400	110	90	81	98	73
20	64	72	80	134	115	93	*316	105	88	78	97	71
21	64	72	79	116	110	103	270	111	87	85	111	69
22	64	72	78	116	108	101	241	965	85	82	124	68
23	64	72	78	122	129	103	214	2,490	89	83	107	68
24	63	72	77	131	156	91	193	1,020	99	89	*118	69
25	63	71	76	131	142	86	175	593	90	94	108	79
26	63	71	75	*118	128	82	161	401	97	112	101	75
27	63	72	74	109	118	78	150	290	100	272	99	84
28	63	78	75	105	110	78	143	218	94	218	106	79
29	64	75	78	102	-	78	137	189	102	165	112	73
30	64	73	80	99	-----	78	133	175	93	580	99	69
31	65	-----	80	98	-----	77	-----	157	-----	580	92	-----
Total	1,985	2,167	2,457	3,002	5,739	2,669	18,453	8,810	3,070	4,185	5,499	2,349
Mean	64.0	72.2	79.3	96.8	205	86.1	615	284	102	135	177	78.3
Cfs/m	0.312	0.352	0.387	0.472	1.00	0.420	3.00	1.39	0.498	0.659	0.863	0.382
In.	0.36	0.39	0.45	0.54	1.04	0.48	3.35	1.60	0.56	0.76	1.00	0.43

Calendar year 1954: Max 1,360 Min 61 Mean 165 Cfs/m 0.805 In. 10.95
Water year 1954-55: Max 5,750 Min 62 Mean 165 Cfs/m 0.805 In. 10.96

Peak discharge (base, 2,500 cfs).--Apr. 14 (10 p.m.) 8,580 cfs (17.19 ft); May 23 (4:30 p.m.) 2,920 cfs (12.05 ft).

* Discharge measurement made on this day.

Coldwater Creek near Milton, Fla.

Location.--Lat 30°42'30", long 86°58'20", in sec. 5, T. 2 N., R. 27 W., on right bank at downstream side of bridge on State Highway 191, 2½ miles upstream from mouth and 6½ miles northeast of Milton.

Drainage area.--237 sq mi (revised).

Records available.--November 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 9.10 ft above mean sea level, datum of 1929. Prior to Dec. 2, 1938, staff gage at same site and datum.

Average discharge.--17 years, 533 cfs.

Extremes.--Maximum discharge during year, 13,100 cfs Apr. 14 (gage height, 13.23 ft); minimum, 196 cfs Sept. 22; minimum gage height, 1.77 ft July 5.
1938-55: Maximum discharge, 23,100 cfs Aug. 17, 1939 (gage height, 17.33 ft); minimum, that of Sept. 22, 1955; minimum gage height, 0.94 ft Dec. 11, 1938.

Remarks.--Records good.

Revisions (water years).--WSP 692: 1939.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 19,
Aug. 2 to Sept. 30

Jan. 20 to Aug. 1

1.9	186	1.7	186	5.5	1,470
2.5	298	2.5	339	8.0	4,280
4.0	740	4.0	751	11.0	8,800
5.0	1,130	5.0	1,130		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	217	210	219	232	272	272	256	246	233	210	970	266
2	210	212	219	237	272	266	302	241	223	207	804	250
3	207	*212	216	232	270	262	282	235	214	216	535	237
4	209	228	216	223	266	256	266	232	209	209	384	233
5	205	243	223	217	306	252	260	224	207	200	360	230
6	216	237	241	216	1,150	250	256	260	210	205	360	223
7	233	228	230	212	2,230	245	252	266	258	210	327	217
8	235	224	223	210	1,280	239	246	243	245	224	285	209
9	223	221	226	210	683	*237	248	232	221	296	278	204
10	219	219	224	221	507	241	315	224	264	357	264	200
11	214	216	221	232	453	245	562	219	272	272	246	199
12	212	216	232	228	410	246	559	219	260	246	245	209
13	210	212	311	223	368	248	458	232	228	*502	246	217
14	219	214	300	221	348	246	5,080	241	219	524	226	216
15	223	221	252	223	335	243	7,440	233	214	352	219	217
16	219	243	*237	348	321	241	1,530	233	239	282	212	224
17	210	248	235	415	313	241	806	250	221	258	210	217
18	210	230	245	398	302	243	618	248	212	262	212	212
19	209	219	248	437	290	246	502	241	207	248	210	209
20	205	212	233	352	284	311	*438	254	205	266	209	205
21	207	210	228	304	274	304	401	313	204	258	237	204
22	205	212	226	315	280	280	413	838	202	270	272	199
23	205	216	224	330	350	262	375	1,250	204	282	239	197
24	204	214	221	361	354	254	343	702	204	288	241	204
25	204	212	221	348	324	250	319	438	204	288	*243	237
26	205	212	219	*313	300	246	298	352	241	384	226	226
27	205	223	217	294	286	241	282	300	241	357	294	217
28	209	245	224	288	280	243	270	268	233	300	296	216
29	215	232	241	280	-	245	264	304	228	284	256	207
30	214	223	256	276	-----	245	256	292	223	357	230	207
31	210	-----	237	272	-----	245	-----	*252	-----	617	223	-----
Total	6,589	6,662	7,265	8,668	13,108	7,845	23,897	10,082	6,745	9,231	9,559	6,508
Mean	213	222	234	280	468	253	797	325	225	298	308	217
Cfsm	0.899	0.937	0.987	1.18	1.97	1.07	3.36	1.37	0.949	1.26	1.30	0.916
In.	1.03	1.05	1.14	1.36	2.06	1.23	3.75	1.58	1.06	1.45	1.50	1.02

Calendar year 1954: Max 1,830 Min 204 Mean 343 Cfsm 1.45 In. 19.68

Water year 1954-55: Max 7,440 Min 197 Mean 318 Cfsm 1.34 In. 18.23

Peak discharge (base, 2,700 cfs).--Apr. 14 (11:59 p.m.) 13,100 cfs (13.23 ft).

* Discharge measurement made on this day.

Conecuh River at Brantley, Ala.

Location.--Lat 31°34', long 86°15', in SE $\frac{1}{4}$ sec. 16, T. 7 N., R. 18 E., on left bank at downstream side of bridge on State Highway 52, half a mile downstream from Moody Mill Creek and three-quarters of a mile southeast of Brantley.

Drainage area.--492 sq mi (revised).

Records available.--October 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 226.2 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Nov. 1, 1938, wire-weight gage at same site and datum.

Average discharge.--18 years, 720 cfs.

Extremes.--Maximum discharge during year, 4,030 cfs Apr. 18 (gage height, 15.41 ft); minimum, 25 cfs Oct. 2 (gage height, 0.90 ft).

1937-55: Maximum discharge, 15,800 cfs Nov. 29, 1948 (gage height, 23.0 ft); minimum, 22 cfs Sept. 14, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.9	25	8.0	1,080
1.2	47	11.0	1,710
2.0	122	13.0	2,390
4.0	385	15.0	3,700

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	43	99	160	196	*332	143	190	964	196	2,610	144
2	26	45	89	144	190	318	142	172	578	178	1,680	140
3	26	45	90	196	184	295	140	155	400	150	1,220	135
4	27	45	77	222	172	281	142	141	310	144	954	133
5	28	47	76	190	172	262	144	128	255	130	846	137
6	30	53	83	172	659	248	*140	119	222	320	900	144
7	36	65	88	160	1,470	236	144	111	196	460	792	160
8	51	69	99	144	1,380	222	150	100	172	229	828	150
9	96	65	96	137	1,280	210	160	*95	160	178	1,240	133
10	87	61	89	133	1,150	196	190	89	184	190	1,260	120
11	*68	58	88	134	1,120	190	248	82	242	400	1,150	110
12	57	57	92	155	1,240	184	310	77	274	558	648	106
13	52	57	104	155	1,360	184	791	78	236	774	430	101
14	48	55	118	143	1,220	178	2,290	86	*196	936	378	100
15	45	63	144	136	972	172	2,490	88	178	1,130	332	99
16	45	68	*129	150	720	166	2,030	85	236	1,660	281	100
17	45	*69	114	190	540	166	2,920	94	400	1,660	242	104
18	42	75	108	288	445	166	3,620	172	415	1,440	210	101
19	41	77	120	355	430	160	2,610	196	400	1,220	190	98
20	40	72	155	400	400	166	1,900	166	430	990	178	92
21	38	69	141	415	385	178	1,440	222	445	576	203	90
22	37	68	113	400	385	184	1,150	705	348	*445	*310	85
23	37	68	101	378	400	203	846	972	229	738	378	79
24	37	68	98	378	415	222	558	1,240	178	972	385	77
25	40	64	99	355	400	216	430	1,660	155	990	370	75
26	40	63	97	332	370	203	362	1,640	140	756	268	72
27	40	66	95	288	355	190	310	2,130	160	846	222	74
28	40	72	94	*262	348	178	268	2,610	172	828	196	94
29	40	74	107	242	-	166	236	2,070	155	864	178	118
30	42	92	129	229	-	160	210	1,610	150	1,150	166	97
31	42	-	160	210	-	150	-	1,210	-	2,870	155	-
Total	1,347	1,893	3,283	7,253	18,338	6,382	26,514	18,493	8,478	23,978	19,200	3,266
Mean	43.5	63.1	106	234	655	206	884	597	283	773	619	109
Cfsm	0.088	0.128	0.215	0.476	1.33	0.419	1.80	1.21	0.575	1.57	1.26	0.222
In.	0.10	0.14	0.25	0.55	1.39	0.48	2.00	1.40	0.64	1.81	1.45	0.25

Calendar year 1954: Max 1,760 Min 23 Mean 291 Cfsm 0.591 In. 8.03
 Water year 1954-55: Max 3,620 Min 26 Mean 379 Cfsm 0.770 In. 10.46

Peak discharge (base, 4,000 cfs).--Apr. 18 (1 a.m.) 4,030 cfs (15.41 ft).

* Discharge measurement made on this day.

Patsaliga Creek at Luverne, Ala.

Location.--Lat 31°44', long 86°17', in SW 1/4 sec. 29, T. 9 N., R. 18 E., near center of span on downstream side of bridge on State Highways 9 and 10, 1 mile northwest of Luverne and 3 miles downstream from Pond Creek.

Drainage area.--249 sq mi (revised).

Records available.--October 1943 to September 1955.

Gage.--Wire-weight gage read once daily. Datum of gage is 267.53 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Average discharge.--12 years, 391 cfs.

Extremes.--Maximum discharge during year, 3,340 cfs Apr. 16 (gage height, 12.4 ft, from graph based on gage readings); minimum observed, 4.9 cfs Oct. 3 (gage height, 0.95 ft). 1943-55: Maximum discharge, 16,700 cfs Nov. 28, 1948 (gage height, 16.8 ft, from graph based on gage readings); minimum observed, that of Oct. 3, 1954.

Remarks.--Records fair except those below 15 cfs, which are poor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-7, Nov. 12 to Jan. 1, Jan. 6-16)

0.8	4.6	7.0	495
1.1	9.7	9.0	800
1.5	20	10.0	1,200
2.0	37	11.0	1,790
2.5	62	12.0	2,780
3.0	94	13.0	4,340
4.0	177		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.3	11	31	80	87	*141	80	57	132	42	508	42
2	6.3	11	29	168	84	141	80	54	116	37	588	42
3	5.3	9.7	29	177	80	132	60	50	87	42	560	37
4	5.0	13	28	132	80	124	62	44	74	42	320	47
5	5.6	24	31	101	77	116	71	40	62	40	222	52
6	5.6	22	40	74	337	108	*77	33	54	108	141	44
7	5.9	23	47	62	*685	101	77	33	52	80	87	42
8	22	24	40	52	685	94	94	51	54	54	213	37
9	22	23	37	47	720	87	101	*23	52	44	411	33
10	18	22	37	52	780	80	132	20	47	52	447	29
11	*16	22	33	68	760	84	177	17	108	94	387	29
12	14	20	29	77	599	84	195	17	108	289	289	28
13	13	17	47	68	342	77	289	18	80	320	159	28
14	14	20	68	54	231	74	984	23	*62	309	94	28
15	12	22	54	54	195	74	*1,410	26	62	204	80	31
16	9.9	28	*47	80	177	74	2,910	52	231	116	62	31
17	11	*33	42	177	177	71	2,120	87	213	74	54	31
18	9.3	28	77	249	195	71	1,160	77	204	52	47	29
19	9.9	28	101	299	204	71	640	57	213	42	42	28
20	11	29	77	289	204	84	364	42	132	35	52	26
21	9.1	24	57	299	186	94	240	488	77	29	186	23
22	9.3	24	47	299	177	124	204	970	57	*150	*159	22
23	11	23	40	249	186	141	186	970	47	213	101	22
24	11	23	37	204	195	101	177	1,100	40	159	177	23
25	9.1	22	33	186	213	87	141	860	35	222	132	22
26	9.9	23	33	168	204	84	108	740	33	204	108	18
27	10	24	33	141	186	74	94	1,150	68	231	101	23
28	9.7	35	37	*116	159	65	87	830	71	195	71	23
29	9.9	42	42	108	-	62	74	625	57	141	52	20
30	10	40	44	101	-----	62	62	331	47	569	47	23
31	9.7	-----	44	94	-----	62	-----	132	-----	573	47	-----
Total	334.8	709.7	1,371	4,325	8,205	2,844	12,416	8,995	2,675	4,762	5,942	913
Mean	10.8	23.7	44.2	140	293	91.7	414	290	89.2	154	192	30.4
Cfsm	0.043	0.095	0.178	0.562	1.18	0.368	1.66	1.16	0.358	0.618	0.771	0.122
In.	0.05	0.11	0.20	0.65	1.23	0.42	1.85	1.34	0.40	0.71	0.89	0.14

Calendar year 1954: Max 1,580 Min 5.0 Mean 161 Cfsm 0.647 In. 8.78
Water year 1954-55: Max 2,910 Min 5.0 Mean 147 Cfsm 0.590 In. 7.99

Peak discharge (base, 3,000 cfs).--Apr. 16 (4 p.m.) 3,340 cfs (12.4 ft).
* Discharge measurement made on this day.

ESCAMBIA RIVER BASIN

Sepulga River near McKenzie, Ala.

Location--Lat 31°27', long 86°47', in SE $\frac{1}{4}$ sec. 30, T. 6 N., R. 13 E., on left bank at downstream side of Watt Bridge on U. S. Highway 31, three-eighths of a mile upstream from Old Town Creek, 2 $\frac{1}{2}$ miles upstream from Piney Woods Creek, 5 $\frac{1}{2}$ miles downstream from Persimmon Creek, and 7 miles southwest of McKenzie.

Drainage area--464 sq mi (revised).

Records available--October 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 155.96 ft above mean sea level, unadjusted (levels by Corps of Engineers). Prior to Mar. 25, 1939, wire-weight gage at same site and datum.

Average discharge--18 years, 648 cfs.

Extremes--Maximum discharge during year, 9,550 cfs Apr. 16 (gage height, 15.86 ft); minimum, 4.3 cfs Oct. 5.

1937-55: Maximum discharge, 28,100 cfs Mar. 17, 1938 (gage height, 24.5 ft, from floodmark); minimum, 3.5 cfs Sept. 15, 28, 29, 30, 1954.

Maximum stage known, about 33 ft in March 1929, from information by local residents.

Remarks--Records fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 25 to May 20,
Aug. 14 to Sept. 30)

2.3	4.3	4.2	385
2.4	8.0	5.0	800
2.6	19	6.0	1,500
2.9	47	10.0	4,630
3.3	103	16.0	9,650
3.7	193		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.9	5.4	19	74	107	161	67	127	282	234	1,380	*64
2	6.2	5.4	19	110	105	152	89	119	212	154	1,100	64
3	5.8	5.4	22	161	98	147	76	110	171	129	990	64
4	5.4	6.5	31	147	95	138	*114	103	140	108	652	66
5	4.7	11	30	142	92	134	116	97	125	97	955	66
6	4.7	12	28	117	573	125	112	95	114	121	1,500	55
7	7.3	12	27	92	1,060	117	108	90	108	182	1,500	51
8	9.0	12	25	74	1,460	112	95	86	105	159	830	48
9	8.0	12	27	67	920	103	89	81	100	134	1,100	46
10	7.3	12	27	68	646	100	140	*80	*236	164	1,670	46
11	6.9	14	28	64	520	97	525	76	668	154	1,060	43
12	*6.5	17	35	58	a360	92	1,240	71	690	161	510	39
13	6.5	16	44	55	a260	82	2,870	68	440	696	315	36
14	6.5	16	38	55	a210	92	5,400	68	286	830	224	35
15	11	17	*34	60	a190	90	7,770	74	196	646	177	34
16	11	*21	32	89	a190	89	9,080	72	171	565	144	32
17	9.0	*21	36	112	a180	86	6,040	74	199	425	125	32
18	7.6	18	63	152	a180	82	2,950	129	259	344	108	31
19	7.3	17	54	238	a180	78	1,980	123	224	*234	100	30
20	6.5	17	54	354	a170	80	1,100	125	180	242	89	28
21	6.5	17	54	336	a170	86	580	727	136	164	82	27
22	6.5	19	74	286	a180	132	510	718	114	199	75	26
23	6.2	24	71	238	a180	154	535	745	103	212	72	25
24	5.8	23	57	*202	a240	136	415	860	93	306	80	29
25	5.4	19	47	185	a230	114	306	1,760	87	340	76	28
26	5.4	18	42	177	a220	100	238	2,300	81	238	69	24
27	5.4	18	38	159	*205	87	190	1,720	136	1,670	87	34
28	5.4	24	38	152	182	84	171	955	208	2,630	81	32
29	5.4	25	64	134	-	78	156	480	259	1,760	81	36
30	5.0	22	60	121	-----	72	140	315	286	1,200	72	36
31	5.4	---	48	114	-----	68	-----	286	-----	1,620	72	---
Total	206.5	476.7	1,266	4,393	9,203	3,278	43,182	12,734	6,409	16,118	15,356	1,206
Mean	6.66	15.9	40.8	142	329	106	1,439	411	214	520	495	40.2
Cfsm	0.014	0.034	0.088	0.306	0.709	0.228	3.10	0.886	0.461	1.12	1.07	0.087
In.	0.02	0.04	0.10	0.35	0.74	0.26	3.46	1.02	0.51	1.29	1.23	0.10
Calendar year 1954: Max	2,790			Min	3.5	Mean	255	Cfsm	0.550	In.	7.45	
Water year 1954-55: Max	9,080			Min	4.7	Mean	312	Cfsm	0.672	In.	9.12	

Peak discharge (base, 3,500 cfs)--Apr. 16 (5 a.m.) 9,550 cfs (15.86 ft).

* Discharge measurement made on this day.

No gage-height record; discharge estimated on basis of recorded range in stage, observer's reading, and records for Murder Creek near Evergreen and Pigeon Creek near Thad.

Pigeon Creek near Thad, Ala.

Location.--Lat 31°29', long 86°39', in N½ sec. 21, T. 6 N., R. 14 E., on left bank near downstream side of bridge on U. S. Highway 84, 1½ miles upstream from Louisville & Nashville Railroad bridge, 2 miles southeast of Thad, 3 miles upstream from Reedy Creek, and 5½ miles southeast of McKenzie.

Drainage area.--296 sq mi.

Records available.--October 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 172.58 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to Oct. 24, 1938, wire-weight gage at same site and datum.

Average discharge.--18 years, 446 cfs.

Extremes.--Maximum discharge during year, 3,500 cfs Apr. 14 (gage height, 17.34 ft); minimum daily, 9 cfs Oct. 3.

1937-55: Maximum discharge, 17,100 cfs Nov. 29, 1948 (gage height, 27.1 ft); minimum, 1.6 cfs (result of unusual regulation) Oct. 11, 1938 (gage height, 1.66 ft); minimum daily, that of Oct. 3, 1954.

Maximum stage known, about 30 ft in March 1929, from information by local residents.

Remarks.--Records good. Diurnal fluctuation and occasional regulation caused by small mill 200 ft above station.

Revisions.--WSP 952: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 6, May 22 to Sept. 30

Feb. 7 to May 21

1.9	8	3.0	82	2.4	42	10.0	1,090
2.1	15	5.0	309	3.0	85	14.0	2,100
2.5	39	10.0	1,090	4.0	177	17.0	3,350
				5.0	418		

Note.--Same as following table above 10.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	18	46	122	116	152	69	106	266	153	631	*49
2	12	24	59	149	106	142	71	98	200	97	631	50
3	9	28	53	182	101	132	71	89	153	72	439	45
4	16	28	48	260	98	128	*82	82	123	55	309	63
5	11	33	45	290	99	124	99	75	103	77	348	61
6	15	29	46	230	729	114	99	69	88	72	322	52
7	20	30	45	148	858	110	91	65	82	51	176	51
8	18	40	45	116	*822	104	87	61	75	47	209	53
9	15	49	60	99	640	99	93	56	67	39	631	51
10	14	37	64	99	656	93	147	49	*238	68	822	45
11	*33	35	56	88	610	88	187	*49	328	58	519	41
12	31	34	56	83	460	87	231	48	272	49	248	35
13	27	33	70	98	294	87	1,080	47	242	128	170	35
14	24	33	56	97	231	87	*3,300	52	212	400	132	35
15	21	38	*57	85	198	85	2,890	50	142	533	104	36
16	18	41	68	112	182	85	2,190	99	272	302	87	34
17	20	*38	75	108	182	81	2,370	104	212	170	74	34
18	20	37	76	158	172	80	2,330	79	200	125	64	29
19	21	43	64	272	172	79	1,720	91	236	*94	54	27
20	18	49	78	322	177	77	912	152	194	74	43	29
21	16	48	120	335	172	79	475	1,180	125	61	47	27
22	16	43	115	374	167	114	390	1,650	92	58	53	28
23	18	39	86	335	182	132	363	1,430	73	59	91	28
24	17	37	75	*260	172	124	282	1,130	60	80	80	45
25	18	39	67	224	192	106	236	1,480	52	115	60	35
26	17	38	62	212	204	93	204	1,620	49	125	57	33
27	15	38	58	194	*192	83	192	1,110	50	218	76	31
28	18	46	59	170	167	78	157	690	47	266	86	46
29	17	41	68	142	-	75	132	491	209	505	72	43
30	18	37	62	130	-----	71	119	361	302	575	56	41
31	19	---	60	122	-----	69	-----	348	-----	505	49	-----
Total	565	1,103	1,999	5,613	8,351	3,058	20,469	13,011	4,764	5,231	6,746	1,212
Mean	18.2	36.8	64.5	181	298	98.6	682	420	159	159	218	40.4
Cfsm	0.061	0.124	0.218	0.611	1.01	0.333	2.30	1.42	0.537	0.571	0.736	0.136
In.	0.07	0.14	0.25	0.71	1.05	0.38	2.57	1.63	0.60	0.66	0.85	0.15

Calendar year 1954: Max 1,270 Min 9 Mean 189 Cfsm 0.639 In. 8.66
 Water year 1954-55: Max 3,300 Min 9 Mean 198 Cfsm 0.669 In. 9.06

Peak discharge (base, 2,000 cfs).--Apr. 14 (3 p.m.) 3,500 cfs (17.34 ft); May 21 (12 m.) 2,070 cfs (13.90 ft).

* Discharge measurement made on this day.

Conecuh River near Brooklyn, Ala.

Location.--Lat 31°10', long 86°48', in W $\frac{1}{2}$ sec. 6, T. 2 N., R. 13 E., on downstream side of right pier of bridge on U. S. Highway 29, 3 miles downstream from Sepulga River and 7 miles southwest of Brooklyn.

Drainage area.--2,460 sq mi (revised).

Records available.--May 1935 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 76.95 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to Sept. 5, 1937, wire-weight gage at same site and datum.

Average discharge.--20 years, 3,808 cfs.

Extremes.--Maximum discharge during year, 27,600 cfs Apr. 15 (gage height, 30.36 ft); minimum daily, 158 cfs Oct. 5.

1935-55: Maximum discharge, 67,300 cfs Dec. 1, 1948 (gage height, 38.6 ft); minimum daily, 152 cfs Sept. 28, 1954.

Maximum stage known, about 47 ft Mar. 15, 1929, from information by State Highway Department.

Remarks.--Records good. Some regulation at low and medium flows by Gantt and Point A Reservoirs and powerplants.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.6	150	15.0	7,720
3.0	500	20.0	12,100
5.0	1,500	25.0	18,500
9.0	3,520	31.0	28,900

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	228	192	470	575	970	1,690	830	1,590	3,840	1,260	4,950	730
2	210	218	425	650	970	1,490	770	1,490	3,130	1,080	6,140	730
3	184	300	440	530	1,010	1,400	575	1,400	2,590	1,080	6,420	670
4	160	372	500	830	950	1,400	470	1,350	2,360	710	4,880	515
5	158	410	470	1,040	950	1,300	*730	1,260	1,590	560	3,910	385
6	202	385	425	1,010	1,840	1,350	830	1,220	990	590	4,250	575
7	300	290	530	950	7,800	1,300	870	1,170	1,260	710	4,180	650
8	285	228	410	770	8,950	1,120	890	950	990	990	3,520	690
9	240	369	455	870	5,860	1,100	850	750	*990	1,640	3,520	690
10	210	1,260	500	610	5,020	1,100	1,100	*930	1,080	1,220	5,020	650
11	186	1,300	515	950	4,740	1,060	1,890	970	3,520	690	5,440	470
12	*182	1,490	410	1,260	4,110	1,060	2,250	930	3,010	1,490	4,110	310
13	230	870	470	870	3,450	770	5,910	830	1,990	1,990	3,590	455
14	258	690	560	710	3,190	515	23,400	830	1,540	3,320	2,250	575
15	222	610	440	730	3,260	870	27,200	790	1,540	3,320	1,260	515
16	208	870	*410	710	3,130	970	26,400	630	1,540	2,950	1,400	530
17	210	710	485	730	3,010	990	24,000	1,120	2,550	2,710	1,100	560
18	176	*470	560	890	2,310	950	20,800	990	2,140	2,090	970	770
19	174	425	610	1,590	2,090	870	15,800	1,010	1,840	2,140	950	515
20	220	455	425	1,690	1,590	730	11,800	1,080	1,350	*2,090	850	470
21	230	470	530	1,640	1,990	500	9,020	2,330	1,490	2,040	1,040	455
22	218	322	590	1,840	1,590	850	6,420	8,020	1,220	1,890	730	372
23	210	440	610	1,890	2,140	1,040	4,950	8,710	1,170	1,690	1,170	385
24	196	455	575	1,440	1,990	1,120	4,600	8,020	1,300	1,890	1,120	398
25	174	440	590	1,890	1,890	1,120	3,190	9,340	1,220	1,690	1,170	360
26	168	322	515	*1,790	1,840	1,010	2,770	10,600	870	2,710	1,100	335
27	202	335	335	1,540	1,640	850	2,420	10,500	515	3,070	1,220	410
28	210	470	425	1,590	*1,640	560	2,200	8,470	870	4,110	1,120	398
29	210	500	560	1,400	-----	790	2,090	6,210	950	5,720	545	398
30	208	470	710	1,300	-----	910	1,790	6,280	1,120	5,020	690	410
31	220	-----	530	790	-----	870	-----	5,230	-----	4,670	*750	-----
Total	6,469	16,138	15,440	35,155	77,900	31,655	206,815	105,000	50,545	67,130	79,165	15,376
Mean	209	538	498	1,134	2,782	1,021	6,894	3,587	1,685	2,165	2,554	513
Cfsm	0.085	0.219	0.202	0.461	1.13	0.415	2.80	1.38	0.685	0.880	1.04	0.209
In.	0.10	0.24	0.23	0.53	1.18	0.48	3.13	1.59	0.76	1.01	1.20	0.23

Calendar year 1954: Max 10,500 Min 152 Mean 1,739 Cfsm 0.707 In. 9.60

Water year 1954-55: Max 27,200 Min 158 Mean 1,936 Cfsm 0.787 In. 10.68

Peak discharge (base, 16,000 cfs).--Apr. 15 (3 p.m.) 27,600 cfs (30.36 ft).

* Discharge measurement made on this day.

Murder Creek near Evergreen, Ala.

Location.--Lat 31°25', long 87°00', in NW¼ sec. 8, T. 5 N., R. 11 E., on left bank near upstream side of bridge on U. S. Highway 31, 1 mile upstream from Louisville & Nashville Railroad bridge and 2½ miles southwest of Evergreen.

Drainage area.--170 sq mi (revised).

Records available.--October 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 178.29 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Corps of Engineers). Prior to Mar. 25, 1939, wire-weight gage at same site and datum.

Average discharge.--18 years, 274 cfs.

Extremes.--Maximum discharge during year, 6,260 cfs Apr. 14 (gage height, 12.58 ft); minimum, 44 cfs Oct. 27.

1937-55: Maximum discharge, 20,000 cfs Mar. 16, 1938 (gage height, 16.65 ft, from graph based on gage readings), from rating curve extended above 10,000 cfs on basis of records for Sepulga River near McKenzie; minimum, 38 cfs Sept. 2, 3, 1954.

Remarks.--Records fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 23 to Jan. 2, Apr. 25 to May 21, May 29 to June 10, June 14 to July 22, July 25, 26)

2.8	42	8.0	708
3.1	60	9.0	1,000
3.5	94	10.0	1,840
5.0	250	11.0	3,140
7.0	518	12.5	6,030

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	47	70	149	117	139	93	127	117	117	179	75
2	51	48	64	222	117	134	97	117	102	106	174	*125
3	48	48	62	292	119	130	164	110	92	125	154	126
4	47	50	60	234	114	126	*164	102	84	119	134	86
5	47	74	50	149	111	124	123	96	60	102	244	75
6	47	84	62	127	472	121	112	92	78	96	169	77
7	52	64	64	117	*960	115	110	92	108	98	132	77
8	74	66	64	110	*888	109	104	90	106	99	144	69
9	82	54	65	106	532	107	100	83	82	128	399	61
10	57	52	71	124	347	107	203	*77	*186	174	440	56
11	54	52	69	149	234	108	468	74	755	195	256	55
12	*52	51	66	134	195	108	550	72	585	200	149	55
13	51	50	92	116	174	105	1,970	71	298	200	119	56
14	51	50	121	107	169	104	*5,360	82	179	228	105	59
15	52	54	*96	105	164	102	2,300	83	154	190	92	61
16	51	*71	78	154	164	101	957	84	144	217	85	63
17	48	92	80	250	169	97	604	121	154	206	78	62
18	50	81	174	280	179	96	454	139	139	184	74	61
19	49	70	212	304	169	94	373	174	123	149	70	58
20	48	62	154	274	154	111	310	154	113	*217	70	54
21	47	59	102	212	149	139	286	444	106	169	65	51
22	47	59	86	169	154	131	286	708	98	217	61	49
23	46	59	79	169	212	115	274	604	118	322	59	49
24	46	61	76	*174	206	104	239	412	107	334	59	49
25	46	59	72	174	174	101	206	581	98	222	61	50
26	45	57	70	154	154	97	174	624	107	274	66	62
27	45	59	68	139	*139	91	159	426	159	718	72	116
28	45	79	70	134	139	90	154	262	228	677	77	99
29	46	97	90	132	-	94	149	164	144	342	72	74
30	51	86	139	124	-	94	139	149	134	195	63	64
31	48	-	125	121	-	94	-	134	-	169	61	-
Total	1,558	1,885	2,761	5,205	6,673	3,388	16,682	6,548	4,978	6,787	3,983	2,074
Mean	50.3	62.8	89.1	168	238	109	556	211	166	219	128	69.1
Cfsm	0.296	0.369	0.524	0.988	1.40	0.641	3.27	1.24	0.976	1.29	0.753	0.406
In.	0.34	0.41	0.60	1.14	1.46	0.74	3.65	1.43	1.09	1.48	0.87	0.45

Calendar year 1954: Max 1,340 Min 39 Mean 151 Cfsm 0.868 In. 12.08
Water year 1954-55: Max 5,360 Min 45 Mean 171 Cfsm 1.01 In. 13.66

Peak discharge (base, 2,000 cfs).--Apr. 14 (6 a.m.) 6,260 cfs (12.58 ft).

* Discharge measurement made on this day.

Escambia River near Century, Fla.

Location.--Lat 30°57'25" (corrected), long 87°14'00", in sec. 10, T. 5 N., R. 30 W., on left bank 16 ft downstream from bridge on State Highway 4, 1.2 miles downstream from Escambia Creek, and $1\frac{1}{2}$ miles east of Century.

Drainage area.--3,817 sq mi (revised).

Records available.--October 1934 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 28.34 ft above mean sea level (Florida State Road Department benchmark). Prior to Jan. 13, 1940, wire-weight gage at same site and datum.

Average discharge.--21 years, 6,243 cfs.

Extremes.--Maximum discharge during year, 71,300 cfs Apr. 15 (gage height, 20.51 ft); minimum, 600 cfs Oct. 20, 21 (gage height, 1.30 ft).
1934-55: Maximum discharge, 73,900 cfs Mar. 22, 1938 (gage height, 20.66 ft, from floodmarks); minimum, 600 cfs Sept. 15, Oct. 20, 21, 1954 (gage height, 1.30 ft).
Maximum stage known, 37.8 ft in March 1929, from information by local residents (discharge, 315,000 cfs, from rating curve extended above 72,000 cfs).

Remarks.--Records good. Some regulation by powerplants above station. Records of chemical analyses for water year 1955 are published in WSP 1400.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 30 to Aug. 10)

Oct. 1 to Apr. 19				Apr. 20 to Aug. 3		Aug. 4 to Sept. 30	
1.3	600	14.0	12,800	3.0	1,400	2.1	935
3.0	1,400	15.0	15,900	9.0	6,080	3.0	1,250
7.0	4,040	17.0	26,600	12.0	8,910	5.0	2,510
12.0	8,570	20.3	68,500	14.0	12,800	7.0	4,040
						12.0	8,570

Note.--Same as preceding table above 14.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	663	676	1,080	1,400	1,670	g2,680	1,460	3,680	7,240	2,110	6,380	1,470
2	686	*686	1,040	1,350	1,600	g2,650	1,420	3,520	6,020	2,210	7,230	1,540
3	681	658	1,010	1,520	1,640	g2,600	1,400	3,070	5,070	2,160	7,580	1,480
4	672	740	979	1,460	1,600	g2,370	1,310	2,890	4,360	2,180	7,520	1,410
5	640	852	1,030	1,500	1,610	g2,190	1,240	2,760	4,000	1,800	7,100	1,290
6	609	920	1,040	1,610	2,560	g2,130	1,300	2,630	3,280	1,550	6,260	1,170
7	622	935	1,000	1,580	7,280	g2,110	1,400	2,740	2,590	1,440	6,060	1,160
8	710	902	1,010	1,520	12,500	*g2,060	1,420	2,630	2,630	1,460	5,650	1,240
9	758	816	1,080	1,420	15,400	1,920	1,450	2,570	2,410	1,690	5,970	1,240
10	740	776	1,020	1,460	9,990	1,840	1,720	2,020	2,630	2,430	6,260	1,230
11	705	1,280	1,080	1,470	7,490	1,830	3,100	1,960	5,930	2,660	6,720	1,200
12	663	1,530	1,100	1,560	6,390	1,760	4,920	1,990	8,080	*2,520	6,650	1,130
13	640	1,660	1,210	1,790	5,630	1,720	9,970	1,930	7,490	4,140	5,590	1,070
14	658	1,450	1,190	1,580	4,860	1,590	56,200	1,800	5,080	4,410	4,630	1,040
15	710	1,200	1,250	1,380	4,500	1,400	67,800	1,750	3,680	4,940	3,620	1,140
16	700	1,260	*1,180	1,500	4,400	1,470	53,800	1,770	3,440	4,730	2,550	1,140
17	672	1,270	1,090	1,750	4,290	1,610	41,300	1,840	3,320	4,280	2,350	1,150
18	663	1,360	1,230	1,980	4,140	1,620	35,800	2,130	3,680	4,320	2,030	1,160
19	645	1,140	1,440	2,290	g3,680	1,600	31,600	2,170	3,530	4,060	1,820	1,190
20	618	1,030	1,460	2,710	3,410	1,570	*27,600	2,150	3,200	3,640	1,690	1,180
21	622	988	1,320	2,750	3,280	1,500	23,300	3,040	2,650	3,700	1,580	1,040
22	668	1,010	1,190	2,560	3,140	1,400	19,000	6,280	2,560	3,700	1,600	1,040
23	668	970	1,210	2,710	g3,070	1,460	13,900	9,200	2,310	3,420	1,460	980
24	658	911	1,220	2,760	3,000	1,640	9,080	10,900	2,160	3,590	1,610	960
25	650	984	1,200	*2,480	2,960	1,680	7,470	12,400	2,330	3,710	*1,700	1,000
26	636	979	1,170	2,580	2,930	1,690	6,130	14,800	2,290	3,490	1,780	1,010
27	618	945	1,170	2,510	g2,860	1,620	5,210	15,400	2,120	4,360	1,820	997
28	627	950	1,080	2,270	g2,750	1,460	4,680	14,600	2,180	5,640	2,050	1,000
29	676	1,020	1,100	2,200	-----	1,320	4,300	12,700	2,680	6,080	1,990	1,020
30	681	1,120	1,300	2,100	-----	1,320	4,060	9,460	2,250	6,580	1,500	991
31	676	-----	1,420	1,930	-----	1,440	-----	*8,190	-----	6,500	1,320	-----
Total	20,635	30,998	35,859	59,680	126,610	55,260	443,340	164,570	111,190	109,520	122,070	34,668
Mean	666	1,033	1,157	1,925	4,522	1,783	14,780	5,309	3,706	3,533	3,938	1,156
Cfsm	0.174	0.271	0.303	0.504	1.18	0.467	3.87	1.39	0.971	0.926	1.03	0.303
In.	0.20	0.30	0.35	0.58	1.23	0.54	4.32	1.60	1.08	1.07	1.19	0.34
Calendar year 1954: Max	17,800				Min 609	Mean 2,890		Cfsm 0.757	In. 10.27			
Water year 1954-55: Max	67,800				Min 609	Mean 3,601		Cfsm 0.943	In. 12.80			

* Discharge measurement made on this day.

g Computed from once-daily wire-weight-gage readings.

Pine Barren Creek near Barth, Fla.

Location.--Lat 30°47'55", long 87°22'05", in sec. 5, T. 3 N., R. 31 W., near right bank 10 ft downstream from Wiggins Bridge on private road, 0.3 mile upstream from Blue Water Creek, 2.2 miles northeast of Mount Calvary Camp Grounds, and 4.0 miles northwest of Barth.

Drainage area.--75.3 sq mi (revised).

Records available.--October 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 29.86 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 24,800 cfs April 14 (gage height, 18.0 ft, from floodmark), from rating curve extended above 1,400 cfs on basis of slope-area determination of peak flow; minimum, 62 cfs Oct. 3, 4, June 21, 22 (gage height, 3.28 ft).
1952-55: Maximum discharge, that of Apr. 14, 1955; minimum, 60 cfs Sept. 1-5, 12, 13, 1954 (gage height, 3.22 ft).

Remarks.--Records good except those for period of no gage-height record, which are poor.
Records of chemical analyses for the water year 1955 are published in WSP 1400.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

3.2	59	12.0	1,900
4.0	114	13.0	3,010
6.0	325	14.0	4,960
9.0	766	15.0	7,700
10.0	964	16.0	12,000
11.0	1,290		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	65	67	74	70	72	64	77	72	64	456	89
2	64	*65	67	74	71	71	71	76	67	63	485	91
3	63	65	67	71	69	69	68	74	66	67	360	101
4	63	69	67	70	68	69	65	73	65	66	a160	86
5	75	81	67	69	73	67	65	73	64	66	a230	83
6	72	71	67	69	224	67	64	74	66	65	a265	79
7	73	67	66	67	242	66	64	93	150	66		77
8	68	67	66	67	214	*65	63	128	156	99		73
9	65	66	68	67	139	66	64	95	88	82	a130	71
10	65	66	69	79	97	66	120	76	78	118		69
11	63	66	67	84	96	66	191	73	103	133		69
12	63	66	71	73	86	66	126	70	127	109		73
13	65	65	98	69	82	65	251	71	81	321	a73	88
14	67	66	85	67	79	65	*9,460	78	68	297		86
15	70	69	*73	67	78	65	1,200	72	66	132		80
16	65	81	70	118	77	65	447	92	137	92		78
17	64	74	73	132	79	64	247	158	139	97		78
18	63	71	91	110	78	64	a167	102	84	110	a65	75
19	63	69	86	121	74	66	*130	84	69	83		70
20	63	67	76	91	73	75	110	88	65	76		69
21	63	67	72	82	73	71	106	218	63	88		67
22	63	67	71	82	80	68	110	192	63	90		67
23	63	69	69	84	99	66	100	120	64	96	a65	66
24	63	67	69	99	88	65	93	94	64	97		69
25	63	67	68	*86	80	65	88	81	65	84		99
26	63	67	67	78	76	64	84	74	64	103	*66	85
27	63	68	68	75	74	63	82	70	85	183	76	77
28	64	76	78	76	73	64	82	67	64	137	81	91
29	68	76	83	73	-	64	83	83	74	103	73	82
30	66	69	76	71	-----	64	80	117	67	146	68	71
31	65	-----	71	71	-----	64	-----	*83	-----	118	67	-----
Total	2,024	2,069	2,253	2,516	2,712	2,057	13,945	2,924	2,464	3,451	3,922	2,359
Mean	65.3	69.0	72.7	81.2	96.9	66.4	465	94.3	82.1	111	127	78.6
Cfsm	0.867	0.916	0.965	1.08	1.29	0.882	6.18	1.25	1.09	1.47	1.69	1.04
In.	1.00	1.02	1.11	1.24	1.34	1.02	6.89	1.44	1.22	1.70	1.94	1.17

Calendar year 1954: Max 334 Min 61 Mean 90.6 Cfsm 1.20 In. 16.34
Water year 1954-55: Max 9,460 Min 63 Mean 117 Cfsm 1.55 In. 21.09

Peak discharge (base, 700 cfs).--Apr. 14 (time unknown) 24,800 cfs (18.0 ft); Aug. 1 (1 p.m.) 889 cfs (9.67 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for nearby stations.

Perdido River at Barrineau Park, Fla.

Location.--Lat 30°41'25", long 87°26'25", in sec. 15, T. 2 N., R. 32 W., on right bank 25 ft downstream from county highway bridge, 1,000 ft downstream from Alligator Creek, and half a mile southwest of Barrineau Park.

Drainage area.--394 sq mi, (revised).

Records available.--June 1941 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 25.71 ft above mean sea level, datum of 1929. Prior to Aug. 22, 1949, staff gage at same site and datum.

Average discharge.--14 years, 784 cfs.

Extremes.--Maximum discharge during year, 39,000 cfs Apr. 15 (gage height, 23.94 ft); from rating curve extended above 6,000 cfs; minimum, 218 cfs Oct. 12 (gage height, 1.39 ft). 1941-55: Maximum discharge, that of Apr. 15, 1955; minimum, 207 cfs Sept. 15, 1954 (gage height, 1.29 ft). Maximum stage known, 25.7 ft Mar. 15, 1929, from information by local resident.

Remarks.--Records good except those above 6,000 cfs, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 22 to Jan. 29, Apr. 18-23,
June 27 to July 23)

Oct. 1 to Apr. 17

Apr. 18 to Sept. 30

1.4	219	11.0	4,220	1.6	232
2.0	320	14.0	7,020	2.0	294
3.0	598	18.0	14,200	4.0	954
4.0	954	21.0	24,600		
7.0	2,080	23.0	34,000		

Note.--Same as preceding table above 4.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	258	231	261	329	307	316	244	355	320	317	1,150	322
2	246	*228	258	332	297	305	258	338	298	298	2,080	355
3	232	227	257	329	291	297	257	324	282	298	1,570	382
4	226	238	255	316	250	290	252	315	274	289	1,310	320
5	224	266	258	310	293	284	247	307	271	311	1,240	292
6	226	270	255	299	693	278	244	300	271	309	925	279
7	231	258	255	291	1,250	272	240	304	340	324	818	272
8	229	250	255	288	1,360	*265	236	355	508	326	1,010	263
9	231	244	257	286	2,060	261	238	335	451	355	1,130	254
10	226	240	265	307	1,730	260	338	315	447	331	822	245
11	222	236	275	343	996	258	629	322	600	335	625	242
12	219	234	280	329	682	255	786	302	858	*572	472	256
13	232	231	350	310	550	252	815	289	1,160	1,040	285	296
14	247	231	367	299	475	250	11,500	298	1,130	1,150	350	328
15	260	238	*336	291	428	247	31,600	331	711	993	322	335
16	266	288	305	428	404	246	11,500	374	550	836	302	305
17	252	310	299	582	388	242	4,220	434	461	257	286	292
18	242	299	385	565	377	241	1,630	371	374	572	274	279
19	235	282	406	598	360	249	*961	352	333	508	267	271
20	231	268	350	528	345	291	722	340	305	554	258	256
21	228	261	329	472	336	312	664	539	287	554	254	249
22	227	255	314	458	343	303	632	668	279	511	246	242
23	226	257	303	455	401	290	590	611	271	483	243	240
24	224	253	293	504	406	286	539	511	267	461	243	274
25	223	250	288	*484	383	275	494	437	271	514	*252	468
26	223	250	280	434	355	268	458	437	282	497	256	414
27	222	257	282	396	341	258	420	388	279	628	287	340
28	224	284	305	375	327	252	391	331	282	790	366	529
29	232	282	341	357	-	250	382	322	300	679	420	394
30	236	270	348	336	-----	249	368	394	335	751	374	296
31	234	-----	336	320	-----	246	-----	*355	-----	632	328	-----
Total	7,234	7,688	9,358	11,951	16,458	8,348	71,855	11,654	12,797	16,875	18,865	9,290
Mean	233	256	302	386	588	269	2,395	376	427	544	609	310
Cfs/m	0.591	0.650	0.765	0.980	1.49	0.683	6.08	0.954	1.08	1.38	1.55	0.787
In.	0.68	0.73	0.88	1.13	1.55	0.79	6.78	1.10	1.21	1.59	1.78	0.88

Calendar year 1954: Max 1,790 Min 209 Mean 372 Cfs/m 0.944 In. 12.84
Water year 1954-55: Max 31,600 Min 219 Mean 554 Cfs/m 1.41 In. 19.10

Peak discharge (base, 4,000 cfs).--Apr. 15 (3 a.m.) 39,000 cfs (23.94 ft).

* Discharge measurement made on this day.

PERDIDO RIVER BASIN

205

Styx River near Loxley, Ala.

Location.--Lat 30°39'50", long 87°38'20", in S½ sec. 26, T. 4 S., R. 4 E., near right bank on downstream side of pier of highway bridge, 2 miles upstream from Hollinger Creek and 7 miles northeast of Loxley.

Drainage area.--92.5 sq mi.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 39 ft (by barometer).

Extremes.--Maximum discharge during year, 2,520 cfs Apr. 14 (gage height, 10.57 ft); minimum, 16 cfs June 22 (gage height, 0.68 ft).

1951-55: Maximum discharge, 14,000 cfs Dec. 6, 1953 (gage height, 19.73 ft), from rating curve extended above 2,500 cfs on basis of slope-area determination of peak flow; flow; minimum, that of June 22, 1955.

Flood of September 1926 reached a stage of 22.2 ft, from information by Corps of Engineers. Flood of September 1910 or 1911 reached a stage of 33 ft, from information by local resident.

Remarks.--Records good.

Cooperation.--Eleven discharge measurements furnished by the Corps of Engineers.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.6	15	2.5	263
.8	23	3.0	402
1.0	36	4.0	800
1.5	86	5.0	1,160
2.0	161	8.0	1,870

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	25	*41	66	61	60	37	42	31	27	755	61
2	30	25	38	66	*58	57	43	41	27	27	*1,160	64
3	25	24	36	59	57	53	46	38	24	32	732	87
4	23	30	35	54	53	50	42	37	22	32	435	76
5	22	48	35	*49	72	48	38	35	20	28	501	62
6	22	42	34	47	418	46	38	33	21	48	238	51
7	22	35	32	44	*732	42	35	31	32	43	179	44
8	22	32	32	42	644	40	34	28	33	37	131	38
9	22	30	32	41	418	38	34	26	30	38	124	35
10	21	28	31	58	293	38	128	25	26	35	130	30
11	20	27	31	79	220	37	*354	23	27	35	118	28
12	20	27	35	66	172	37	288	*21	30	56	82	32
13	38	25	81	58	131	35	233	20	26	208	65	74
14	*48	25	71	51	107	35	1,200	20	23	229	55	89
15	50	31	58	49	94	34	1,650	21	22	161	49	94
16	42	67	50	152	86	33	543	78	22	107	48	61
17	34	60	52	214	85	32	317	118	24	76	46	49
18	30	48	109	202	81	32	214	76	22	139	44	43
19	27	42	94	190	75	58	156	133	19	138	42	35
20	25	38	76	161	71	293	110	96	18	90	41	50
21	24	35	64	130	68	134	84	146	*17	66	39	27
22	24	34	56	116	70	89	76	170	16	58	38	25
23	24	35	50	107	94	71	76	130	17	72	37	23
24	23	33	47	138	94	*61	71	76	17	66	38	25
25	22	32	45	125	89	53	63	55	17	53	38	25
26	22	31	42	*106	76	48	53	*43	18	54	39	25
27	22	34	42	91	70	44	48	35	32	188	58	*23
28	24	62	62	84	65	42	47	30	32	*163	76	22
29	29	56	78	76	-	42	46	28	23	120	71	21
30	28	46	73	70	-----	40	44	38	37	418	*58	20
31	27	-----	63	65	-----	38	-----	39	-----	543	48	-----
Total	847	1,107	1,625	2,856	4,554	1,760	6,128	1,732	725	3,387	5,315	1,317
Mean	27.3	36.9	52.4	92.1	163	56.8	204	55.9	24.2	109	171	43.9
Cfsm	0.295	0.399	0.566	0.996	1.76	0.614	2.21	0.604	0.262	1.18	1.85	0.475
In.	0.34	0.44	0.65	1.15	1.83	0.71	2.46	0.70	0.29	1.36	2.14	0.53

Calendar year 1954: Max 436 Min 19 Mean 62.4 Cfsm 0.675 In. 9.14
Water year 1954-55: Max 1,650 Min 16 Mean 85.9 Cfsm 0.929 In. 12.60

Peak discharge (base, 1,000 cfs).--Apr. 14 (11:30 p.m.) 2,520 cfs (10.57 ft); Aug. 2 (3 p.m.) 1,290 cfs (5.46 ft).

* Discharge measurement made on this day.

Fish River near Silver Hill, Ala.

Location.--Lat 30°32'45", long 87°47'55", on line between secs. 5 and 8, T. 6 S., R. 3 E., near midchannel on upstream side of bridge on State Highway 104, a quarter of a mile downstream from Caney Branch, half a mile upstream from Perone Branch, 2 $\frac{3}{4}$ miles west of Silver Hill, and 12 miles upstream from mouth.

Drainage area.--55.8 sq mi.

Records available.--July 1953 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

Extremes.--Maximum discharge during year, 443 cfs Aug. 2 (gage height, 6.66 ft); minimum, 37 cfs June 20, 21 (gage height, 1.34 ft).
1953-55: Maximum discharge, 8,570 cfs Dec. 6, 1953 (gage height, 17.04 ft); minimum, that of June 20, 21, 1955.

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Cooperation.--Ten discharge measurements furnished by the Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 16

Jan. 17 to Sept. 30

1.4	37	1.3	32	3.0	197
1.7	82	1.5	56	5.0	321
2.0	115	2.0	115	7.0	471

Note.--Same as following table above 2.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	49	*54	62	55	56	50	48	46	39	297	65
2	62	49	54	62	*55	55	57	46	45	39	*434	81
3	54	47	54	56	55	55	46	42	42	300	65	
4	54	57	54	57	54	54	52	45	42	39	240	59
5	54	74	54	*54	78	54	51	45	40	45	180	59
6	51	58	54	54	297	54	50	44	40	44	150	54
7	51	54	54	52	321	53	49	45	50	43	120	49
8	51	52	54	52	204	52	48	44	46	43	90	48
9	49	51	56	52	120	52	49	44	40	46	75	46
10	47	51	54	63	79	52	116	45	40	43	78	46
11	47	49	54	70	73	51	*225	*44	43	48	72	46
12	47	47	58	58	69	51	116	44	40	64	60	53
13	*69	47	93	56	65	50	70	44	40	166	56	78
14	83	49	70	52	64	50	156	44	39	243	54	60
15	63	56	52	52	61	50	134	44	39	96	52	52
16	56	82	56	125	60	49	81	62	43	60	52	50
17	52	69	62	134	61	49	66	33	46	66	52	48
18	51	58	97	79	60	50	60	68	40	71	52	46
19	49	56	72	81	59	60	56	57	38	55	53	46
20	47	54	60	68	59	140	54	59	37	50	53	44
21	47	54	57	62	59	70	55	77	*37	46	52	44
22	46	54	56	65	60	57	168	73	38	69	52	44
23	46	56	54	65	86	55	80	61	38	92	51	45
24	46	54	52	82	61	*54	61	54	39	93	52	46
25	46	54	52	69	59	51	55	50	39	74	52	49
26	46	52	52	*61	57	51	51	*48	39	62	52	46
27	46	52	52	59	57	50	50	45	49	74	56	*44
28	47	72	73	61	56	50	49	45	46	*66	72	44
29	57	68	74	59	-	50	50	52	45	57	62	44
30	54	57	64	56	-----	49	48	62	42	161	*52	44
31	51	-----	57	56	-----	49	-----	49	-----	249	51	-----
Total	1,661	1,682	1,859	2,036	2,424	1,723	2,262	1,627	1,246	2,385	3,124	1,545
Mean	53.6	56.1	60.0	65.7	86.6	55.6	75.4	52.5	41.5	76.9	101	51.5
Cfsm	0.961	1.01	1.08	1.18	1.55	0.996	1.35	0.941	0.744	1.38	1.81	0.923
In.	1.11	1.02	1.24	1.36	1.62	1.15	1.51	1.08	0.83	1.59	2.08	1.03

Calendar year 1954: Max 190 Min 42 Mean 68.1 Cfsm 1.22 In. 16.55
Water year 1954-55: Max 434 Min 37 Mean 64.6 Cfsm 1.16 In. 15.72

Peak discharge (base, 750 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--No gage-height record Mar. 6-22, Aug. 3-29; discharge estimated on basis of records for Styx River near Loxley.

Cartecay River near Ellijay, Ga.

Location.--Lat 34°41', long 84°27', on right bank adjacent to State Highway 43, three-quarters of a mile downstream from Owltown Creek, 2 miles southeast of Ellijay, Gilmer County, and 2 miles upstream from confluence with Ellijay River.

Drainage area.--135 sq mi.

Records available.--March 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1,255.39 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (Corps of Engineers benchmark). Prior to Dec. 19, 1938, staff gage at same site and datum.

Average discharge.--18 years, 266 cfs.

Extremes.--Maximum discharge during year, 4,860 cfs Mar. 22 (gage height, 6.8 ft); minimum daily, 70 cfs Oct. 16.

1937-55: Maximum discharge, 20,000 cfs Apr. 8, 1938 (gage height, 13.0 ft, from floodmark), from rating curve extended above 3,500 cfs on basis of slope-area determination of peak flow; minimum daily, 64 cfs Oct. 26, 1941.

Remarks.--Records good. Some diurnal fluctuations caused by gristmills above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.1	62	2.5	497
1.4	113	3.0	790
1.7	175	4.0	1,570
2.0	270	6.0	3,750

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	93	*90	104	256	156	278	278	248	256	157	224	146
2	86	80	97	274	198	*289	329	245	245	152	227	138
3	81	78	93	211	164	259	411	238	234	152	218	138
4	78	83	92	185	148	259	*321	234	227	157	266	136
5	76	119	184	173	146	263	316	251	224	211	259	136
6	76	92	278	168	*2,350	278	378	224	224	161	221	136
7	*90	85	144	159	1,020	289	421	218	241	154	198	132
8	90	83	122	148	487	248	355	214	231	191	208	126
9	78	91	175	150	355	234	325	211	234	193	*252	122
10	76	80	161	191	300	256	308	204	227	170	208	122
11	75	78	126	308	300	252	675	204	278	382	218	121
12	75	78	117	218	256	234	539	208	224	312	198	119
13	76	78	134	191	224	224	487	439	214	248	185	119
14	a74	76	130	170	214	218	556	285	204	211	175	119
15	a72	80	119	180	208	204	456	241	196	218	518	115
16	a70	106	111	183	204	208	411	263	193	248	263	111
17	a72	119	126	164	270	214	373	325	188	211	198	109
18	a75	95	350	159	221	201	350	*285	180	180	183	106
19	a74	106	183	224	204	214	333	252	185	168	175	*109
20	73	136	148	185	198	211	325	234	196	180	173	104
21	75	109	132	175	188	218	333	278	183	201	185	106
22	72	95	124	188	252	2,640	333	1,560	180	398	173	104
23	73	88	*119	183	1,100	585	359	1,150	193	378	185	100
24	72	88	113	*168	482	497	329	573	198	333	161	102
25	72	85	108	159	373	426	308	502	185	308	157	142
26	73	83	104	152	316	426	297	401	211	248	148	119
27	73	92	100	150	289	355	285	350	*178	208	148	115
28	76	142	100	148	274	333	274	312	*170	357	146	126
29	88	201	462	142	-	316	263	300	164	504	144	146
30	80	121	402	138	-----	297	256	289	159	275	142	126
31	76	-----	238	136	-----	285	278	-----	231	148	-----	-----
Total	2,382	2,917	4,994	5,636	10,877	11,311	10,984	10,856	6,222	7,500	6,102	3,650
Mean	76.8	97.2	161	182	388	365	356	350	207	242	197	122
Cfsm	0.569	0.720	1.19	1.35	2.87	2.70	2.71	2.59	1.53	1.79	1.46	0.904
In.	0.66	0.80	1.37	1.56	2.99	3.11	3.02	2.99	1.71	2.06	1.68	1.01

Calendar year 1954: Max 5,950 Min 70 Mean 247 Cfsm 1.83 In. 24.24

Water year 1954-55: Max 2,640 Min 70 Mean 229 Cfsm 1.70 In. 22.96

Peak discharge (base, 1,400 cfs).--Feb. 6 (3 p.m.) 4,300 cfs (6.4 ft); Feb. 23 (3 a.m.) 1,930 cfs (4.42 ft); Mar. 22 (6 a.m.) 4,860 cfs (6.8 ft); May 22 (6 p.m.) 3,240 cfs (5.6 ft); July 28 (10 p.m.) 1,840 cfs (4.32 ft).

* Discharge measurement made on this day.

† No gage-height record; discharge estimated on recorded range in stage and records for Etowah River near Dawsonville.

Ellijay River at Ellijay, Ga.

Location.--Lat 34°42', long 84°29', on left bank at downstream side of bridge on State Highway 5 at Ellijay, Gilmer County, and 1 mile upstream from confluence with Cartecay River.

Drainage area.--90 sq mi, approximately.

Records available.--May to December 1907, December 1918 to June 1921, February 1953 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 1,242.32 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. May 4 to Dec. 31, 1907, and Dec. 10, 1918, to Apr. 4, 1919, staff gage and Apr. 5, 1919, to June 30, 1921, chain gage, at site 1,000 ft downstream at datum 1.44 ft lower. Feb. 26 to July 8, 1953, wire-weight gage at present site and datum.

Extremes.--1953: Maximum discharge during period February to September, 1,090 cfs July 22 (gage height, 6.3 ft); minimum, 32 cfs Sept. 19 (gage height, 2.27 ft).
1953-54: Maximum discharge during water year, 7,940 cfs Jan. 16 (gage height, 16.3 ft); minimum, 27 cfs Sept. 30 (gage height, 2.23 ft).
1954-55: Maximum discharge during water year, 3,720 cfs Feb. 6 (gage height, 12.9 ft); minimum, 30 cfs Oct. 16, 25, 26, 27 (gage height, 2.25 ft).
1907, 1918-21, 1953-55: Maximum discharge, that of Jan. 16, 1954; minimum, that of Sept. 30, 1954.

Remarks.--Records good.

Rating table, Feb. 26, 1953, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 3-28, 1954, Dec. 31, 1954, to Feb. 5, 1955, Mar. 23 to Apr. 7, 1955, Aug. 6-14, 1955)

2.2	24	7.0	1,270
2.5	61	11.0	2,500
3.2	196	13.0	3,800
4.0	390	15.0	6,200

Discharge, in cubic feet per second, February to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					-	312	227	286	138	81	66	37
2					-	540	214	254	134	78	78	40
3					-	390	205	242	*130	80	86	41
4					-	420	200	450	130	88	83	54
5					-	362	194	283	128	85	76	152
6					-	*336	200	405	128	73	70	70
7					-	312	214	435	128	78	66	50
8					-	300	196	349	128	*118	88	47
9					-	283	188	300	128	85	97	43
10					-	269	196	269	120	78	71	42
11					-	283	186	245	118	73	66	41
12					-	288	312	231	114	71	63	41
13					-	283	286	222	106	68	59	40
14					-	262	*245	214	130	66	58	37
15					-	288	229	209	116	68	54	35
16					-	257	225	200	167	86	53	35
17					-	238	205	196	146	73	*55	33
18					-	262	227	196	108	158	61	33
19					-	288	225	312	106	104	61	53
20					-	245	207	240	106	95	55	104
21					-	245	200	205	106	97	54	50
22					-	286	194	192	106	523	51	42
23					-	324	188	183	92	364	53	41
24					-	300	186	175	90	150	47	41
25					-	300	209	167	88	114	57	90
26					*362	254	190	*162	103	101	47	103
27					349	245	179	158	95	90	43	148
28					324	233	175	152	92	86	41	*73
29					-	222	171	148	88	83	40	57
30					-	214	*376	146	85	103	39	51
31					-	214	-	146	-	90	37	-
Total					-	9,055	6,449	7,372	3,452	3,507	1,875	1,724
Mean					-	292	215	238	115	113	60.5	57.5
Cfs/m					-	3.24	2.39	2.64	1.28	1.26	0.672	0.639
In.					-	3.74	2.67	3.04	1.43	1.45	0.77	0.71

Calendar year : Max Min Mean Cfs/m In.
Water year : Max Min Mean Cfs/m In.

* Discharge measurement made on this day.

Elli Jay River at Elli Jay, Ga.--Continued

Discharge, in cubic feet per second, water year October 1953 to September 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	51	40	42	144	242	336	636	198	162	80	115	43
2	47	39	41	128	233	257	450	188	173	80	71	41
3	45	37	43	130	227	288	376	300	277	85	63	41
4	42	37	116	*116	218	252	324	312	211	81	58	40
5	42	37	73	108	207	233	300	247	164	80	54	37
6	41	36	80	101	196	216	281	225	148	86	63	36
7	40	36	93	95	188	203	266	218	138	73	92	36
8	40	36	68	92	179	*194	300	214	132	75	64	34
9	40	36	688	90	179	186	269	196	126	98	326	36
10	40	36	420	90	175	179	245	188	122	88	116	46
11	39	36	190	116	181	175	236	181	118	114	86	37
12	37	36	269	99	169	169	222	177	114	78	75	35
13	37	36	225	88	160	192	218	181	112	*75	75	33
14	36	36	*300	93	158	259	216	198	112	71	71	33
15	37	36	227	777	154	203	207	196	112	71	68	*53
16	39	36	173	*5,090	186	186	312	179	200	64	61	32
17	36	35	138	890	216	179	300	171	183	61	58	32
18	35	35	122	510	173	175	257	177	192	60	60	34
19	39	35	112	376	162	231	*236	175	200	61	57	31
20	35	39	99	312	250	238	222	169	142	58	60	37
21	35	46	136	764	266	211	211	158	126	61	71	46
22	35	78	160	2,420	218	196	205	152	118	112	61	42
23	35	122	180	1,090	196	220	200	148	110	81	*60	36
24	35	60	134	688	208	300	198	142	106	73	70	34
25	34	81	122	510	188	336	205	142	101	60	68	32
26	34	58	108	*405	179	700	211	156	99	90	58	32
27	64	51	99	390	171	588	209	136	92	80	55	31
28	56	47	110	336	288	540	203	136	90	88	54	30
29	44	43	216	300	-	405	247	144	85	64	57	28
30	41	42	196	281	-----	349	214	146	81	57	50	28
31	40	-----	164	259	-----	480	-----	*130	-----	82	45	-----
Total	1,251	1,358	5,104	16,868	5,564	8,676	7,976	5,660	4,146	2,387	2,342	1,066
Mean	40.4	45.3	165	544	199	280	266	183	138	77.0	75.5	35.5
Cfsm	0.449	0.503	1.83	6.04	2.21	3.11	2.96	2.03	1.53	0.856	0.839	0.394
In.	0.52	0.56	2.11	6.96	2.30	3.58	3.30	2.34	1.71	0.99	0.97	0.44

Calendar year 1953: Max - Min - Mean - Cfsm - In. -
 Water year 1953-54: Max 5,090 Min 28 Mean 171 Cfsm 1.90 In. 25.78

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	119	*37	68	211	81	252	245	177	150	83	124	63
2	47	39	58	190	133	*288	288	173	144	80	128	60
3	39	37	53	153	101	245	336	169	138	78	184	57
4	36	41	50	134	92	240	*274	167	132	83	194	60
5	35	68	162	122	92	231	276	162	130	86	148	61
6	36	43	274	114	*2,040	262	336	158	130	80	156	60
7	*39	41	118	99	997	252	362	154	158	80	116	57
8	35	39	86	92	465	227	312	150	150	143	132	53
9	35	37	215	93	324	214	283	146	148	164	*128	51
10	34	37	154	134	269	233	266	144	144	118	101	50
11	33	36	103	216	274	220	349	148	171	122	88	51
12	33	39	88	158	222	207	312	154	138	128	85	50
13	34	39	106	136	200	203	336	236	128	112	75	51
14	32	36	95	118	186	192	376	164	120	106	73	50
15	32	36	85	124	179	186	336	146	118	116	88	47
16	31	63	75	118	175	186	300	177	110	148	104	47
17	33	58	86	104	205	179	274	173	110	130	83	46
18	33	43	349	101	175	175	259	*144	103	95	76	43
19	32	53	177	171	164	192	245	138	104	85	75	*43
20	31	76	126	132	158	183	236	154	112	111	76	42
21	32	55	103	120	150	192	236	164	110	126	76	41
22	31	47	92	142	240	*1,220	227	575	130	152	92	40
23	31	42	*81	132	860	556	245	748	138	148	88	40
24	31	42	76	*122	435	405	233	349	114	160	73	43
25	30	41	70	110	324	349	220	278	106	134	68	71
26	30	39	64	99	278	405	211	227	114	108	64	53
27	31	55	61	97	252	324	205	198	99	99	63	48
28	32	174	61	93	236	300	196	177	*93	112	60	66
29	45	231	668	88	-	288	190	183	90	165	58	68
30	37	86	465	85	-----	269	183	177	85	120	58	55
31	35	-----	233	78	-----	257	-----	160	-----	97	71	-----
Total	1,144	1,710	4,500	3,868	9,312	8,932	8,147	6,450	3,717	3,569	3,005	1,567
Mean	36.9	57.0	145	125	333	288	272	208	124	115	96.9	52.2
Cfsm	0.410	0.633	1.61	1.39	3.70	3.20	3.02	2.31	1.38	1.28	1.08	0.580
In.	0.47	0.71	1.86	1.60	3.85	3.69	3.37	2.66	1.54	1.48	1.24	0.65

Calendar year 1954: Max 5,090 Min 28 Mean 170 Cfsm 1.89 In. 25.63
 Water year 1954-55: Max 2,040 Min 30 Mean 153 Cfsm 1.70 In. 23.12

* Discharge measurement made on this day.

Rock Creek near Fairmount, Ga.

Location.--Lat 34°21'30", long 84°46'50", on right bank 30 ft downstream from bridge on State Highway 140, 2 $\frac{1}{4}$ miles upstream from mouth, and 7 miles southwest of Fairmount, Gordon County.

Drainage area.--5.61 sq mi.

Records available.--October 1951 to September 1955. Prior to October 1952, published as Rocky Branch near Fairmount.

Gage.--Water-stage recorder. Datum of gage is 758.96 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Extremes.--Maximum discharge during year, 745 cfs Mar. 22 (gage height, 4.03 ft); minimum, 0.70 cfs Oct. 14.
1951-55: Maximum discharge, 820 cfs Jan. 16, 1954; minimum, 0.62 cfs Sept. 20, 1954.

Remarks.--Records good except those for periods of no gage-height record, which are fair.

Revisions (water years).--WSP 1274: 1952, drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 6

Feb. 7 to Sept. 30

0.39	0.78	1.0	16	0.4	1.0	1.3	37
.4	.86	1.3	32	.5	2.2	1.9	89
.5	1.9	1.8	54	.6	3.7	2.4	157
.6	3.3	2.0	95	.7	5.8	3.0	300
.7	5.2	2.5	175	.9	13		
.8	7.8	3.0	300				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	0.96	1.3	1.4	2.7	7.9	a8.0	5.0	3.6	1.7	2.8	1.4
2	.96	.96	1.2	6.8	10	17	a13	4.8	3.2	1.7	2.5	1.2
3	.86	*.96	1.2	4.2	5.0	9.0	a26	4.5	3.1	1.7	2.4	1.2
4	.86	1.1	1.1	3.5	4.2	8.0	18	4.3	3.0	4.3	2.4	1.2
5	.86	1.2	2.6	3.0	4.2	7.4	a18	4.1	3.0	3.6	2.4	1.2
6	.86	1.1	1.9	2.7	160	9.4	*22	3.9	3.4	2.4	2.2	1.2
7	.96	.96	1.4	2.5	41	9.4	26	3.7	3.9	5.1	2.1	1.1
8	*.86	.96	1.2	2.5	16	7.7	16	3.8	3.1	3.9	2.1	1.2
9	.86	.86	2.0	2.5	10	6.8	12	3.4	3.0	4.1	2.0	1.2
10	.86	.86	1.6	12	8.4	6.8	11	3.2	3.6	4.7	2.0	1.4
11	.78	.86	1.4	8.2	8.0	6.1	20	3.2	4.1	4.1	1.8	1.4
12	.86	.86	1.3	4.8	5.8	5.6	13	5.4	3.2	3.1	*1.7	5.9
13	.86	.86	1.5	3.9	5.0	5.8	60	5.0	3.0	2.8	1.6	3.9
14	.78	.96	1.6	3.3	5.0	5.4	40	3.9	3.0	*2.4	1.6	1.8
15	.86	.96	1.4	4.6	4.8	5.0	20	3.7	3.0	2.6	1.5	1.5
16	1.1	1.4	1.2	4.4	5.7	5.0	14	3.9	2.5	13	2.1	1.4
17	1.1	1.5	5.6	3.5	9.4	5.4	11	*3.6	2.5	4.5	1.8	1.2
18	1.1	1.4	7.0	3.7	6.1	5.4	9.8	3.2	2.4	3.2	1.7	1.2
19	1.1	1.6	2.6	7.0	5.4	5.4	8.7	3.1	2.4	2.6	2.0	1.1
20	1.1	1.5	*2.0	4.4	5.0	a10	7.7	3.1	2.4	3.5	1.8	1.1
21	1.1	1.5	1.8	4.2	4.8	a60	12	4.5	2.4	16	1.7	*1.0
22	1.1	1.4	1.7	5.0	23	194	9.0	46	2.4	14	1.8	1.0
23	1.1	1.4	1.6	4.2	55	28	20	11	2.4	7.7	1.7	1.0
24	1.1	1.4	1.5	3.7	19	16	11	7.7	2.5	20	1.5	1.1
25	.96	1.4	1.4	3.3	12	13	9.0	7.7	2.4	9.4	1.4	2.1
26	.96	1.5	1.4	*3.0	9.4	12	8.0	5.8	2.8	5.4	1.4	1.4
27	.96	1.7	1.3	2.9	7.7	8.4	7.4	4.8	2.2	4.3	1.4	1.4
28	1.1	2.4	1.3	2.7	*7.1	a7.8	6.4	4.3	2.1	3.7	1.4	1.2
29	.96	2.0	3.5	2.6	-	7.4	5.8	4.8	2.0	3.2	1.2	1.2
30	.86	1.4	4.4	2.6	-	7.1	5.4	4.5	1.7	3.1	1.2	2.1
31	.86	---	3.0	2.5	---	6.1	---	3.9	---	2.8	1.5	---
Total	29.84	37.92	70.0	138.2	459.7	506.5	468.2	183.6	84.3	196.1	56.7	46.1
Mean	0.963	1.26	2.28	4.46	16.4	16.3	15.6	5.92	2.81	6.33	1.83	1.54
Cfs/m	0.172	0.225	0.403	0.795	2.92	2.91	2.78	1.06	0.501	1.13	0.328	0.275
In.	0.20	0.25	0.46	0.92	3.04	3.36	3.10	1.22	0.56	1.30	0.38	0.31

Calendar year 1954: Max 286 Min 0.78 Mean 6.95 Cfs/m 1.24 In. 16.81
Water year 1954-55: Max 194 Min 0.78 Mean 6.24 Cfs/m 1.11 In. 15.10

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for stations on nearby streams.

Coosawattee River at Pine Chapel, Ga.

Location.--Lat 34°35', long 84°52', on right bank at downstream edge of highway bridge at Pine Chapel, Gordon County, 4 miles downstream from Sallacoa Creek, 5 miles east of Resaca, and 6 miles upstream from confluence with Conasauga River.

Drainage area.--856 sq mi.

Records available.--November 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 616.16 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Feb. 23, 1940, staff gage at same site and datum. Since Feb. 23, 1940, auxiliary water-stage recorder at highway bridge 2 miles upstream.

Average discharge.--17 years, 1,405 cfs.

Extremes.--Maximum discharge during year, 13,800 cfs Feb. 8; maximum gage height, 24.20 ft Feb. 8 (backwater from Conasauga River); minimum discharge, 218 cfs Oct. 25.

1938-55: Maximum discharge, 40,200 cfs Mar. 30, 1951 (gage height, 30.8 ft); minimum daily, 220 cfs Oct. 26, 1941.

Flood of Apr. 8, 1938, reached a stage of 30.0 ft, from gage reading.

Remarks.--Records good. Moderate diurnal fluctuation at low flow caused by mills above station.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	290	255	485	1,360	808	1,500	1,350	1,110	1,040	592	872	425
2	368	*268	425	2,090	892	1,590	1,690	1,080	1,000	576	737	396
3	278	270	396	1,350	1,040	1,470	3,900	1,040	928	560	737	382
4	248	270	382	1,040	805	1,350	2,910	1,000	892	576	892	382
5	240	329	425	892	720	1,430	*2,120	964	874	737	856	382
6	235	396	1,750	822	5,250	1,430	2,780	928	856	856	771	396
7	240	318	1,010	771	12,000	1,840	3,180	892	928	624	698	382
8	258	290	824	698	10,900	1,490	2,620	874	1,000	874	656	354
9	242	281	592	672	5,470	1,350	2,040	874	928	856	737	343
10	238	278	928	987	2,110	1,310	1,800	859	892	928	*688	329
11	235	278	688	2,780	2,090	1,390	2,080	839	1,080	1,040	592	326
12	230	270	560	1,660	1,670	1,270	2,770	839	1,000	1,310	608	326
13	232	276	545	1,150	1,390	1,190	2,900	1,110	856	1,040	560	440
14	235	276	608	964	1,270	1,150	5,180	1,300	822	822	530	382
15	238	270	560	892	1,230	1,080	3,820	1,040	788	788	576	332
16	235	290	515	1,110	1,150	1,080	2,500	1,250	754	928	872	318
17	225	396	485	964	1,470	1,110	2,090	*1,510	737	1,040	608	304
18	232	382	2,020	856	1,470	1,040	1,840	1,110	704	805	515	295
19	235	326	1,550	1,870	1,270	1,110	1,690	928	888	698	485	287
20	235	440	928	1,560	1,150	1,230	1,570	874	720	624	515	284
21	228	470	*720	1,150	1,080	1,190	1,500	964	720	1,110	500	276
22	232	382	824	1,190	1,190	7,530	1,650	2,560	688	1,000	808	*268
23	235	334	576	1,110	5,870	11,400	1,720	9,140	720	1,310	592	262
24	232	315	545	964	5,860	6,940	1,880	4,170	771	1,000	515	285
25	222	312	515	*874	2,830	2,660	1,800	2,280	737	1,350	455	298
26	225	298	485	788	2,050	2,300	1,460	1,980	928	1,000	425	396
27	230	298	470	737	1,710	1,960	1,340	1,560	754	874	410	348
28	232	382	455	720	*1,580	1,720	1,270	1,350	688	737	410	326
29	260	1,150	2,720	698	-	1,610	1,230	1,270	*640	1,040	410	396
30	287	771	3,780	656	-----	1,490	1,150	1,350	608	892	396	425
31	260	-----	1,680	640	-----	1,390	-----	1,150	-----	720	396	-----
Total	7,612	10,871	28,046	33,995	76,125	66,600	65,630	47,175	24,741	27,097	18,212	10,325
Mean	246	362	905	1,097	2,719	2,148	2,188	1,522	825	874	587	344
Cfsm	0.287	0.423	1.06	1.28	3.18	2.51	2.56	1.78	0.964	1.02	0.686	0.402
In.	0.33	0.47	1.22	1.48	5.31	2.89	2.86	2.05	1.08	1.18	0.79	0.45

Calendar year 1954: Max 26,900 Min 222 Mean 1,299 Cfsm 1.52 In. 20.59

Water year 1954-55: Max 12,000 Min 222 Mean 1,141 Cfsm 1.33 In. 18.11

Peak discharge (base, 6,000 cfs).--Feb. 8 (1 a.m.) 13,800 cfs (24.20 ft at 3 a.m.); Feb. 23 (12 p.m.) 7,580 cfs (16.76 ft at 4 a.m. Feb. 24); Mar. 23 (8 a.m.) 11,800 cfs (22.05 ft at 12 m.); May 23 (11 a.m.) 9,030 cfs (18.26 ft at 1 to 2 p.m.).

* Discharge measurement made on this day.

Mill Creek at Dalton, Ga.

Location.--Lat 34°48', long 84°59', on left bank at Dalton, Whitfield County, 1,000 ft upstream from city pumping plant and 1½ miles upstream from Southern Railway bridge.

Drainage area.--37 sq mi, approximately.

Records available.--August 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 695.38 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--12 years, 70.4 cfs.

Extremes.--Maximum gage height during year, 7.30 ft May 16 (discharge not determined); minimum daily discharge, 12 cfs Oct. 14, 19, 26, 27.
1943-55: Maximum gage height, 8.39 ft Mar. 29, 1951 (discharge not determined); minimum daily discharge, that of Oct. 14, 19, 26, 27, 1954.

Remarks.--Records good except those for Sept. 1-19, which are fair, and those above 500 cfs, which are poor. Moderate diurnal fluctuation at medium flow caused by milldams above station.

Cooperation.--Gage-height record collected in cooperation with the city of Dalton.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	16	15	49	25	*65	57	39	46	32	52	19
2	15	*16	14	44	49	61	155	34	40	32	42	18
3	15	15	14	34	31	53	386	32	36	34	28	18
4	14	17	14	31	27	53	*134	31	34	31	26	18
5	14	21	112	29	27	52	194	50	32	30	24	18
6	14	17	114	28	1,060	57	335	28	31	29	23	18
7	*15	16	25	24	559	56	260	29	47	40	24	17
8	14	16	20	24	162	48	150	27	36	42	22	17
9	14	15	27	24	106	47	110	24	31	102	23	17
10	15	14	23	38	*82	48	92	25	33	56	*22	17
11	14	14	20	62	89	47	134	28	42	40	22	17
12	14	15	20	42	66	44	100	25	32	113	21	17
13	14	15	22	36	59	43	265	48	28	133	21	17
14	12	16	22	31	56	40	268	36	27	50	22	17
15	14	16	20	32	53	38	150	711	26	50	21	17
16	14	19	19	32	52	40	114	*926	24	62	22	17
17	14	18	34	27	63	38	92	249	23	58	21	17
18	14	16	142	28	50	38	76	117	23	48	20	17
19	12	17	50	96	46	49	68	82	24	37	20	16
20	13	17	36	59	44	47	62	69	22	35	19	*16
21	13	17	*29	52	41	64	59	82	22	53	22	15
22	13	16	27	64	104	269	54	227	21	37	33	17
23	13	14	25	50	364	120	75	262	24	36	36	16
24	14	15	24	44	154	92	96	134	24	68	19	18
25	13	14	22	*38	106	103	71	158	44	57	18	21
26	12	15	22	34	86	207	59	124	33	37	17	18
27	12	16	20	31	74	103	54	82	24	31	18	18
28	14	26	20	30	66	86	48	66	*22	28	19	18
29	15	34	231	28	-	74	46	96	23	27	16	18
30	14	18	79	26	-----	65	42	66	25	30	18	18
31	16	-----	56	25	-----	60	-----	*52	-----	29	20	-----
Total	428	509	1,318	1,192	3,701	2,207	3,806	3,939	899	1,487	729	522
Mean	13.8	17.0	42.5	38.5	132	71.2	127	127	30.0	48.0	23.5	17.4
Cfsm	0.373	0.459	1.15	1.04	3.57	1.92	3.43	3.43	0.811	1.30	0.635	0.470
In.	0.43	0.51	1.33	1.20	3.72	2.21	3.83	3.95	0.90	1.50	0.73	0.52
Calendar year 1954: Max	3,200			Min	12	Mean	56.1	Cfsm	1.52	In.	20.59	
Water year 1954-55: Max	1,060			Min	12	Mean	56.8	Cfsm	1.54	In.	20.83	

* Discharge measurement made on this day.

Note.--No gage-height record Sept. 1-19; discharge estimated on basis of weather records, recorded range in stage, and records for stations on nearby streams.

Conasauga River at Tilton, Ga.

Location.--Lat 34°40', long 84°56', on left bank 250 ft downstream from highway bridge, a quarter of a mile downstream from Swamp Creek, half a mile northeast of Tilton, Whitfield County, and 12 miles upstream from confluence with Coosawatee River.

Drainage area.--682 sq mi.

Records available.--June 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 622.28 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Aug. 24, 1940, staff gage at site 150 ft upstream at same datum.

Average discharge.--18 years, 1,136 cfs.

Extremes.--Maximum discharge during year, 8,970 cfs Feb. 9 (gage height, 19.9 ft); minimum, 68 cfs Oct. 24, 25.

1937-55: Maximum discharge, 29,000 cfs Mar. 30, 1951; maximum gage height, 30.2 ft Mar. 30, 1951 (backwater from Coosawatee River); minimum discharge, that of Oct. 24, 25, 1954.

Remarks.--Records good except those for periods of backwater, which are fair.

Rating table, water year 1954-55, except periods of backwater from Coosawatee River (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 22 to Sept. 30)

2.5	68	5.0	1,010
2.5	102	8.0	2,340
3.0	210	12.0	4,200
3.5	360	16.0	6,360
4.0	550	20.0	9,770

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	88	333	2,480	333	*1,230	984	571	636	228	285	256
2	107	*98	198	1,230	510	1,320	1,050	530	530	220	658	215
3	115	89	158	987	940	1,530	3,020	481	457	205	530	147
4	113	88	136	749	726	1,270	3,110	453	419	198	336	132
5	95	109	286	614	550	1,230	*1,850	430	389	191	326	130
6	84	120	1,980	550	c4,190	1,190	2,840	404	374	188	294	138
7	82	144	2,020	472	c6,980	1,490	4,200	382	415	176	276	130
8	*82	128	772	407	c8,140	1,670	4,400	364	510	191	276	120
9	86	107	396	367	c8,860	1,230	2,790	353	491	270	247	120
10	86	100	458	445	c5,830	1,070	1,710	333	464	491	*282	116
11	84	93	530	1,270	c1,740	1,030	1,760	333	614	592	279	109
12	82	89	371	1,630	1,670	940	1,940	350	703	1,010	244	107
13	81	84	297	1,030	1,320	868	1,980	357	614	1,050	285	106
14	78	84	323	726	1,050	1,100	3,910	472	457	571	223	102
15	79	84	411	592	987	916	5,010	964	392	430	200	102
16	73	95	328	592	916	772	3,860	2,700	350	385	210	102
17	79	102	288	571	1,140	820	1,940	*3,070	323	636	200	98
18	78	107	1,320	510	1,540	964	1,430	1,630	297	510	198	95
19	79	118	2,430	1,360	1,230	940	1,230	796	279	343	198	91
20	79	115	1,360	1,890	1,050	1,540	1,100	592	273	267	174	93
21	76	104	*703	1,190	892	1,540	987	614	267	368	164	88
22	73	113	472	1,050	1,050	c3,020	916	1,050	256	1,140	174	*86
23	71	140	382	1,140	4,200	c4,450	1,050	2,740	279	550	191	84
24	68	124	326	916	c5,490	c5,620	1,320	3,720	425	491	195	84
25	70	111	288	*726	6,240	c3,560	1,630	3,530	550	1,450	179	86
26	71	102	264	614	3,910	c2,200	1,320	2,300	772	844	162	89
27	73	102	242	510	c1,690	c2,510	964	1,450	571	614	149	89
28	78	113	236	472	1,360	1,890	820	964	343	423	136	100
29	81	244	2,110	434	-	1,450	726	892	*273	336	134	100
30	81	491	4,250	396	-----	1,230	536	1,270	250	294	136	116
31	82	-----	4,750	380	-----	1,070	-----	940	-----	288	138	-----
Total	2,566	3,686	28,396	26,280	74,534	51,760	60,523	35,045	12,971	14,948	7,477	3,433
Mean	82.8	123	916	848	2,662	1,670	2,017	1,130	432	482	241	114
Cfsm	0.121	0.180	1.34	1.24	3.90	2.45	2.96	1.66	0.633	0.707	0.353	0.167
In.	0.14	0.20	1.54	1.43	4.06	2.82	3.30	1.91	0.71	0.82	0.41	0.19

Calendar year 1954: Max 18,000 Min 68 Mean 1,027 Cfsm 1.51 In. 20.43
Water year 1954-55: Max 8,860 Min 68 Mean 881 Cfsm 1.29 In. 17.53

Peak discharge (base, 5,000 cfs).--Feb. 9 (1 p.m.) 8,970 cfs (19.9 ft); Feb. 25 (2 p.m.) 6,360 cfs (18.0 ft); Mar. 24 (7 p.m.) 5,860 cfs (15.9 ft); Apr. 15 (7 p.m.) 5,170 cfs (13.9 ft).

* Discharge measurement made on this day.

c Backwater from Coosawatee River.

Oostanaula River at Resaca, Ga.

Location.--Lat 34°34', long 84°57', near left bank on downstream side of pier of bridge on U. S. Highway 41 at Resaca, Gordon County, 200 ft downstream from Nashville, Chattanooga & St. Louis Railway bridge, three quarters of a mile upstream from Camp Creek, and 3½ miles downstream from confluence of Conasauga and Coosawatee Rivers.

Drainage area.--1,610 sq mi, approximately.

Records available.--January 1896 to September 1955. Gage-height records collected at same site since 1891 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 604.14 ft above mean sea level, datum of 1923, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Mar. 23, 1919, staff gage at site 200 ft upstream at same datum. Mar. 23, 1919, to Oct. 23, 1928, chain gage at site 400 ft downstream at same datum. Oct. 24, 1928, to Sept. 23, 1934, chain gage and Sept. 24, 1934, to Sept. 11, 1938, wire-weight gage, at present site and datum. Since Oct. 29, 1948, auxiliary wire-weight gage read twice daily at bridge on State Highway 143, 6½ miles downstream.

Average discharge.--54 years (1896-98, 1903-55), 2,778 cfs.

Extremes.--Maximum discharge during year, 19,100 cfs Feb. 9 (gage height, 23.4 ft); minimum, 298 cfs Oct. 25 (gage height, 1.40 ft).

1896-1955: Maximum discharge, 54,800 cfs Mar. 31, 1951; maximum gage height, 34.6 ft Mar. 31, 1951; minimum discharge observed, 180 cfs Sept. 7, 8, 1925 (gage height, 0.5 ft).

Maximum stage known, 36.6 ft Apr. 1, 1886.

Remarks.--Records good.

Revisions (water years).--WSP 697: 1896-1928. WSP 852: 1921(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 20 to Dec. 28, July 26 to Sept. 1; backwater from return of overbank flow Feb. 6, 7, 9-11, 25, 26, Mar. 24-26, Apr. 15, 16, May 24, 25)

1.3	300	5.0	1,940
2.0	505	10.0	5,500
3.0	910	23.0	18,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	385	355	980	4,780	1,090	2,770	2,380	1,760	1,700	865	910	558
2	475	373	690	3,320	1,330	2,770	2,640	*1,640	1,540	842	1,040	690
3	430	379	558	2,510	1,940	3,110	6,220	1,590	1,430	820	1,330	558
4	400	382	505	1,880	1,700	2,640	6,660	1,540	1,330	820	1,140	505
5	367	415	630	1,590	1,430	2,640	4,300	1,480	1,280	910	1,160	490
6	343	522	2,640	1,430	7,420	2,580	5,340	1,430	1,250	1,000	1,040	522
7	354	475	3,250	1,330	15,000	3,180	7,020	1,380	1,330	842	955	505
8	348	460	1,640	1,230	18,200	3,250	7,290	1,330	1,480	1,040	910	475
9	352	415	1,020	1,140	18,500	2,700	5,580	1,280	1,430	1,180	930	460
10	346	400	1,230	1,430	14,200	2,440	3,740	1,280	1,380	1,330	955	445
11	343	385	1,230	3,740	6,940	2,440	3,670	1,250	1,590	1,480	865	430
12	331	379	1,000	3,530	3,600	2,320	4,700	1,280	1,700	1,940	*820	430
13	334	370	885	2,380	2,840	2,120	4,700	1,380	1,480	2,060	798	475
14	354	376	888	1,820	2,380	2,250	8,500	1,880	1,330	1,540	730	522
15	337	364	955	1,590	2,250	2,120	9,110	1,700	1,230	1,250	690	430
16	328	385	865	1,760	2,120	1,940	7,250	3,320	1,140	1,280	865	415
17	318	445	798	1,640	2,440	1,940	4,460	4,380	1,090	1,540	798	400
18	328	522	2,580	1,480	2,970	2,060	3,460	3,250	1,040	1,430	690	400
19	325	460	3,740	2,840	2,640	2,000	3,040	1,880	1,020	1,140	650	376
20	322	505	*2,510	3,600	2,320	2,510	2,700	1,540	1,020	980	630	376
21	*315	592	1,430	2,640	2,060	2,840	2,510	1,590	1,040	1,280	610	373
22	310	505	1,140	2,320	2,120	8,400	2,640	1,000	1,820	1,820	690	*361
23	315	475	980	2,250	7,990	13,600	2,700	9,600	1,020	1,820	752	352
24	322	475	888	2,000	11,600	14,700	3,180	9,510	1,110	1,540	690	346
25	300	445	820	1,700	9,900	9,950	3,040	6,330	1,430	2,250	610	367
26	305	415	775	*1,540	7,590	4,870	2,840	4,540	1,590	1,880	575	445
27	318	400	730	1,430	3,950	4,620	2,380	3,250	1,480	1,430	540	445
28	318	475	690	1,330	*3,040	3,810	2,120	2,320	1,110	1,160	505	415
29	337	1,140	4,500	1,250	-	3,180	2,000	2,060	1,000	1,230	505	430
30	382	1,330	8,100	1,180	-	2,840	1,880	2,320	*910	1,230	505	490
31	370	-	6,570	1,140	-	2,510	-	*2,120	-	1,000	505	-
Total	10,673	14,619	55,197	63,800	159,560	121,100	127,990	82,850	38,480	40,929	24,393	13,486
Mean	344	487	1,781	2,058	5,699	3,906	4,266	2,673	1,283	1,320	787	450
Cfs/m	0.214	0.302	1.11	1.28	3.54	2.43	2.65	1.66	0.797	0.820	0.489	0.280
In.	0.25	0.34	1.28	1.48	3.69	2.80	2.96	1.91	0.89	0.95	0.56	0.31

Calendar year 1954: Max 30,100 Min 300 Mean 2,363 Cfs/m 1.47 In. 19.94
Water year 1954-55: Max 18,500 Min 300 Mean 2,063 Cfs/m 1.28 In. 17.42

* Discharge measurement made on this day.

Oostanaula River near Rome, Ga.

Location.--Lat 34°18', long 85°08', on left bank 1½ miles upstream from Dry Creek, 4½ miles north of Rome, Floyd County, 4½ miles upstream from confluence with Etowah River, and 6½ miles downstream from Armuchee Creek.

Drainage area.--2,120 sq mi, approximately.

Records available.--October 1939 to September 1955 in reports of Geological Survey. Gage-height records collected at site 4½ miles downstream since 1890 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 561.70 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. February 1937 to May 1939, staff gage and Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder, at site 3½ miles downstream at same datum. February 1937 to May 1939, auxiliary staff gage and since Oct. 1, 1939, auxiliary water-stage recorder, at Fifth Avenue Bridge 4½ miles downstream. Staff 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.

Average discharge.--16 years (1939-55), 3,440 cfs.

Extremes.--Maximum discharge during year, 23,800 cfs Feb. 7 (gage height, 26.15 ft); minimum daily, 408 cfs Oct. 25.

1939-55: Maximum discharge, 47,000 cfs Jan. 23, 1947; maximum gage height, 35.13 ft Jan. 22, 1947; minimum daily discharge, that of Oct. 25, 1954.

Flood of Apr. 1, 1886, reached a stage of 40.3 ft at site of present auxiliary gage.

Remarks.--Records good.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	537	*456	1,360	7,300	1,410	4,140	3,170	2,050	2,540	1,020	1,080	671
2	576	547	1,030	5,500	2,380	3,800	5,100	1,970	2,140	1,030	1,090	746
3	601	559	818	4,160	2,420	3,710	9,720	1,970	1,930	959	1,380	788
4	492	575	732	2,960	2,560	3,750	10,400	1,700	1,750	870	1,340	687
5	588	583	695	2,320	2,170	3,560	8,640	1,590	1,640	870	1,370	560
6	594	607	944	2,040	10,200	3,460	9,600	1,540	*1,570	1,050	1,340	631
7	572	662	3,530	1,830	22,200	3,660	11,100	1,480	1,730	1,140	1,230	660
8	542	560	3,040	1,700	22,700	4,120	11,100	1,410	1,690	1,050	1,130	633
9	476	623	1,700	1,520	19,900	3,840	9,720	1,240	1,750	1,390	1,140	619
10	520	601	1,280	1,690	18,500	3,280	6,700	1,310	1,760	1,420	1,130	600
11	*422	576	1,480	4,300	16,900	3,170	6,200	1,250	1,980	1,500	1,090	585
12	514	576	1,400	5,500	9,480	3,110	6,900	1,280	2,120	1,770	1,010	484
13	530	569	1,160	4,070	4,610	2,870	8,060	1,430	1,940	2,290	993	573
14	537	565	1,050	2,880	3,620	*2,600	13,100	1,700	1,780	2,100	961	621
15	537	488	1,080	2,400	3,200	2,790	13,300	2,260	1,540	1,570	795	623
16	552	576	1,100	2,320	3,030	2,580	11,900	3,620	1,410	1,470	972	565
17	527	587	1,080	2,320	3,190	2,470	8,910	5,000	1,370	1,580	1,260	560
18	422	687	2,560	2,090	3,760	2,550	5,480	4,800	1,280	1,700	1,030	545
19	522	673	4,250	3,250	3,710	2,830	4,250	3,080	1,190	*1,450	885	439
20	558	644	*3,710	5,000	3,280	2,840	3,730	2,060	1,130	1,230	848	514
21	544	704	2,250	4,430	2,880	3,510	3,530	1,880	1,220	1,310	808	518
22	524	705	1,460	3,800	2,760	11,200	3,230	3,080	1,180	1,570	728	523
23	530	688	1,160	3,440	8,290	14,000	3,890	9,120	1,150	2,280	901	501
24	492	677	995	3,120	13,000	14,900	4,180	13,200	1,280	2,120	925	507
25	408	677	895	2,720	14,000	14,900	*3,710	12,100	1,350	1,840	848	514
26	517	630	795	2,220	12,100	11,000	3,530	7,950	1,700	2,750	784	422
27	503	632	750	2,060	8,330	6,300	3,130	5,580	1,770	2,010	745	565
28	531	600	728	1,940	4,800	5,500	2,660	3,870	1,560	1,620	712	570
29	590	600	4,230	1,740	-	4,520	2,420	3,050	1,230	1,320	*600	555
30	559	1,470	9,000	1,630	-----	3,890	2,220	3,190	1,110	1,520	689	580
31	554	-----	8,520	*1,520	-----	3,350	-----	3,010	-----	1,360	666	-----
Total	16,471	19,097	64,782	93,770	225,380	158,180	199,580	108,870	47,800	47,159	30,480	17,359
Mean	531	537	2,090	3,025	8,049	5,103	6,653	3,512	1,593	1,521	983	579
Cfs/m	0.250	0.300	0.986	1.43	3.80	2.41	3.14	1.66	0.751	0.717	0.464	0.273
In.	0.29	0.33	1.14	1.65	3.96	2.78	3.50	1.91	0.84	0.83	0.53	0.30

Calendar year 1954: Max 28,800 Min 408 Mean 3,107 Cfs/m 1.47 In. 19.89
 Water year 1954-55: Max 22,700 Min 408 Mean 2,819 Cfs/m 1.33 In. 18.06

* Discharge measurement made on this day.

Etowah River near Dawsonville, Ga.

Location.--Lat 34°23', long 84°04', on left bank half a mile upstream from Palmer Creek, 1 mile downstream from Russell Creek, 4 miles southeast of Dawsonville, Dawson County, and 7½ miles upstream from Shoal Creek.

Drainage area.--103 sq mi.

Records available.--March 1940 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 1,050 ft (by barometer).

Average discharge.--15 years, 246 cfs.

Extremes.--Maximum discharge during year, 4,010 cfs Feb. 7 (gage height, 14.3 ft); minimum daily, 50 cfs Oct. 22-28.
1940-55: Maximum discharge, 4,780 cfs Jan. 7, 1946 (gage height, 15.8 ft); minimum daily, that of Oct. 22-28, 1954.

Remarks.--Records good. Diurnal fluctuation during periods of low flow caused by mills above station.

Rating table, Water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 22 to Nov. 4)

0.6	46	2.0	295
1.0	88	10.0	2,430
1.5	181		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	55	89	283	112	240	210	205	212	126	129	88
2	67	56	82	347	159	232	243	203	203	124	150	83
3	58	56	78	221	139	218	347	199	199	122	146	81
4	*56	58	75	181	122	218	249	194	192	128	137	81
5	54	81	170	161	120	223	*232	190	188	135	166	82
6	53	68	438	146	2,200	214	259	183	185	166	133	82
7	52	62	159	137	2,330	218	308	181	190	129	126	80
8	52	60	118	126	515	199	261	179	183	137	131	75
9	53	60	185	124	360	194	238	174	183	155	247	73
10	54	60	192	161	298	196	229	170	181	141	*172	75
11	53	59	131	252	283	203	690	170	229	212	146	75
12	53	59	113	183	243	192	555	170	185	221	153	73
13	53	59	161	*159	221	185	412	338	172	218	122	73
14	53	58	161	141	210	188	412	252	170	174	115	74
15	53	58	129	141	203	181	360	212	163	232	115	72
16	52	83	113	141	199	181	321	323	159	185	118	*69
17	52	112	112	129	247	181	303	373	155	161	110	69
18	53	83	334	129	210	177	288	321	150	139	105	67
19	55	87	214	199	194	183	276	*249	181	137	102	66
20	51	122	159	163	185	185	266	285	181	139	110	66
21	51	88	133	148	179	183	271	271	157	273	122	65
22	50	*77	122	159	196	780	273	393	150	261	110	63
23	50	77	113	152	1,130	425	266	763	*148	223	118	63
24	50	76	107	139	464	316	254	438	159	311	110	64
25	50	74	102	131	347	281	247	386	148	227	98	95
26	*50	72	98	126	293	283	236	311	166	192	94	82
27	50	78	98	122	269	247	229	283	145	183	92	77
28	50	128	96	120	*252	236	225	261	141	146	89	82
29	60	203	271	116	-	229	218	243	133	139	87	99
30	57	107	334	113	-----	221	210	234	131	137	86	84
31	54	-----	203	110	-----	214	-----	225	-----	129	87	-----
Total	1,658	2,376	4,890	4,960	11,681	7,423	8,888	8,379	5,140	5,582	3,806	2,279
Mean	53.5	79.2	158	160	417	239	296	270	171	174	123	76.0
Cfsm	0.519	0.769	1.53	1.55	4.05	2.32	2.87	2.62	1.66	1.69	1.19	0.738
In.	0.60	0.86	1.76	1.79	4.22	2.68	3.20	3.02	1.85	1.95	1.37	0.82
Calendar year 1954:	Max	3,510		Min	50	Mean	184	Cfsm	1.79	In.	24.20	
Water year 1954-55:	Max	2,330		Min	50	Mean	183	Cfsm	1.78	In.	24.12	

Peak discharge (base, 1,800 cfs).--Feb. 7 (2 a.m.) 4,010 cfs (14.3 ft); Feb. 23 (9 a.m.) 1,840 cfs (7.9 ft)

* Discharge measurement made on this day.

Etowah River at Canton, Ga.

Location.--Lat 34°14', long 84°30', on left bank 100 ft downstream from bridge on State Highways 5 spur and 140 at Canton, Cherokee County, three-quarters of a mile upstream from Canton Creek, and 1½ miles downstream from Hickory Log Creek.

Drainage area.--605 sq mi.

Records available.--March 1892 to December 1905 (prior to 1895, gage heights only), March 1937 to September 1955. Gage-height records collected at same site since 1891 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 844.55 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. March 1892 to December 1905, staff gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937, to Jan. 17, 1939, wire-weight gage at site 100 ft upstream at present datum.

Average discharge.--18 years (1937-55), 1,074 cfs.

Extremes.--Maximum discharge during year, 12,600 cfs Feb. 7 (gage height, 20.1 ft); minimum, 184 cfs Oct. 1, 6.

1896-1905, 1937-55: Maximum discharge, 29,800 cfs Jan. 7, 1946 (gage height, 26.7 ft), from rating curve extended above 18,000 cfs on basis of slope-area determination of peak flow; minimum, 178 cfs Sept. 29, 30, 1954.

Maximum stage known since 1891, that of Jan. 7, 1946.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 30 to Nov. 28, Jan. 4 to Feb. 5)

1.0	172	10.0	4,420
2.0	482	15.0	7,720
5.0	1,700	20.0	12,400

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	202	*244	465	1,010	516	1,130	930	910	812	482	534	331
2	208	250	398	2,200	642	*1,250	1,340	890	793	465	534	328
3	211	256	367	1,540	774	1,090	2,200	850	774	448	552	316
4	196	259	346	970	642	1,050	*1,480	850	736	448	552	301
5	187	304	367	812	588	1,090	1,210	812	698	516	624	301
6	*190	346	1,430	717	3,390	1,050	1,250	812	698	552	606	313
7	196	301	1,010	680	*11,600	1,300	1,430	774	717	588	534	316
8	196	274	606	608	7,750	1,090	1,380	755	736	570	588	298
9	196	268	570	570	2,150	1,010	1,210	736	698	588	*624	277
10	199	265	890	698	1,610	970	1,130	736	698	552	698	268
11	199	259	679	1,380	1,430	990	1,800	717	812	717	552	265
12	196	259	552	1,130	1,300	970	3,000	717	812	870	516	268
13	202	256	552	850	1,090	950	2,000	950	698	930	482	262
14	205	256	717	736	1,010	1,010	2,150	1,250	642	793	448	262
15	202	253	642	698	970	930	1,850	890	642	698	424	265
16	202	286	534	774	950	910	1,560	831	624	736	428	256
17	205	424	516	698	1,090	930	1,380	1,170	588	717	431	241
18	211	408	1,090	642	1,090	890	1,300	*1,130	570	588	408	229
19	220	346	1,250	930	950	910	1,250	990	606	534	385	*229
20	220	408	831	970	890	970	1,170	890	717	516	388	232
21	220	441	680	812	850	930	1,170	930	642	850	448	229
22	220	346	588	774	870	2,740	1,250	1,170	588	1,050	465	226
23	220	310	*552	755	3,730	2,700	1,300	2,200	588	1,010	421	220
24	220	307	499	*698	2,900	1,610	1,300	1,700	588	1,090	411	211
25	223	295	465	642	1,850	1,380	1,170	1,900	606	1,210	388	265
26	223	286	445	606	1,480	1,250	1,090	1,380	717	890	358	352
27	226	292	438	588	1,300	1,170	1,050	1,090	*624	755	349	310
28	232	382	438	570	1,210	1,090	1,010	990	552	660	346	283
29	265	606	552	-	-	1,050	970	910	516	624	334	295
30	271	717	1,340	534	-	1,990	930	890	516	588	325	349
31	256	-	1,010	516	-	970	-	850	-	552	322	-
Total	6,619	10,168	20,853	25,438	54,622	36,370	42,260	31,670	20,008	21,587	14,475	8,298
Mean	214	339	673	821	1,951	1,173	1,409	1,022	667	696	467	277
Cfs/m	0.554	0.560	1.11	1.36	3.22	1.94	2.33	1.69	1.10	1.15	0.772	0.458
In.	0.41	0.62	1.28	1.57	3.35	2.24	2.60	1.95	1.23	1.33	0.89	0.51

Calendar year 1954: Max 14,500 Min 178 Mean 896 Cfs/m 1.48 In. 20.10
Water year 1954-55: Max 11,600 Min 187 Mean 801 Cfs/m 1.32 In. 17.98

Peak discharge (base, 6,500 cfs).--Feb. 7 (6 p.m.) 12,600 cfs (20.1 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Little River near Roswell, Ga.

Location.--Lat 34°07', long 84°23', at downstream end of old bridge pier 500 ft upstream from bridge on State Highway 140, 1 mile downstream from Cooper Sandy Creek, and 7 miles north of Roswell, Fulton County.

Drainage area.--60.5 sq mi.

Records available.--March 1947 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 897.8 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). 1947-55: Maximum discharge, 3,200 cfs Nov. 28, 1948 (gage height, 14.0 ft, from graph based on gage readings); minimum daily, that of Sept. 22-24, 1955.

Average discharge.--8 years, 78.4 cfs.

Extremes.--Maximum discharge during year, 1,830 cfs Feb. 7 (gage height, 9.9 ft); minimum daily, 2.1 cfs Sept. 22-24.
1947-55: Maximum discharge, 3,200 cfs Nov. 28, 1948 (gage height, 14.0 ft, from graph based on gage readings); minimum daily, that of Sept. 22-24, 1955.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 5-7)

-0.4	1.8	1.0	73
-.3	3.1	2.0	157
-.2	4.9	3.0	270
-.1	7.2	4.0	430
0.0	10	6.0	830
.5	36	8.0	1,320

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.5	9.8	27	140	37	57	51	46	32	16	16	9.8
2	4.5	10	24	202	88	57	94	44	31	16	17	8.2
3	4.2	10	20	91	59	51	222	43	29	14	14	7.5
4	*4.4	13	19	63	49	49	91	41	29	15	53	7.5
5	4.0	21	46	52	45	48	80	40	26	16	48	8.2
6	3.6	14	87	44	622	152	*99	37	28	27	22	8.2
7	3.5	13	38	38	1,190	170	263	36	35	18	18	6.7
8	3.1	13	32	34	164	95	117	35	32	20	46	5.4
9	3.3	13	40	37	102	77	89	34	29	20	63	4.8
10	3.6	13	36	123	79	75	80	33	32	19	26	5.1
11	3.6	13	28	162	77	70	121	33	40	33	19	4.7
12	3.6	13	26	84	62	64	96	34	31	36	16	4.7
13	4.5	14	40	62	56	98	106	58	29	33	14	4.7
14	4.4	14	36	49	54	89	177	51	29	26	13	5.1
15	4.2	14	31	55	52	70	105	40	28	22	13	4.5
16	4.2	26	28	57	51	67	86	41	26	26	12	3.6
17	5.1	24	34	47	59	67	74	40	23	27	11	3.1
18	6.5	19	100	49	49	65	67	36	21	20	20	2.8
19	6.5	21	56	105	46	75	61	35	25	17	11	2.8
20	6.3	31	42	71	44	75	58	*34	26	15	12	*2.6
21	6.5	19	34	59	44	71	63	44	22	35	13	2.3
22	6.5	17	30	60	50	115	63	69	19	46	14	2.1
23	6.7	*18	28	52	128	82	110	62	*20	27	12	*2.1
24	6.7	17	26	49	96	72	83	102	25	73	9.2	2.1
25	7.0	16	25	44	83	66	67	198	27	58	7.9	3.3
26	7.2	16	25	42	71	63	60	72	54	31	7.2	4.2
27	*7.2	20	25	42	63	56	54	51	26	*23	7.2	5.4
28	7.9	54	27	40	*60	56	51	41	23	20	7.0	5.1
29	12	82	*40	39	-	55	49	38	20	17	7.2	4.9
30	8.8	35	55	37	---	52	46	39	18	17	6.5	24
31	8.8	---	40	*35	---	52	---	35	---	17	*8.2	---
Total	175.9	612.8	1,145	2,064	3,580	2,311	2,783	1,542	837	800	553.4	165.6
Mean	5.67	20.4	36.9	66.6	129	74.5	92.8	49.7	27.9	25.8	17.9	5.52
Cfsm	0.094	0.337	0.610	1.10	2.12	1.23	1.53	0.821	0.461	0.426	0.296	0.091
In.	0.11	0.38	0.70	1.27	2.21	1.42	1.71	0.95	0.51	0.49	0.34	0.10
Calendar year 1954: Max			1,540		Min 3.1		Mean 49.7		Cfsm 0.821	In. 11.18		
Water year 1954-55: Max			1,190		Min 2.1		Mean 45.5		Cfsm 0.750	In. 10.19		

Peak discharge (base, 900 cfs).--Feb. 7 (5 a.m.) 1,830 cfs (9.9 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

219

Etowah River at Allatoona Dam above Cartersville, Ga.

Location.--Lat 34°10', long 84°44', on right bank three-quarters of a mile downstream from Allatoona Dam, 2 miles upstream from Nashville, Chattanooga & St. Louis Railway bridge, and 3 miles east of Cartersville, Bartow County.

Drainage area.--1,110 sq mi, approximately.

Records available.--September 1938 to September 1955. Prior to October 1950, published as Etowah River above Cartersville.

Gage.--Water-stage recorder. Datum of gage is 686.92 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Dec. 19, 1938, staff gage at same site and datum.

Average discharge.--17 years, 1,711 cfs (adjusted for storage since 1950).

Extremes.--Maximum discharge during year, 8,100 cfs Jan. 10 (gage height, 7.05 ft); minimum daily, 214 cfs Jan. 30, Apr. 9, 10.

1938-55: Maximum discharge, 40,400 cfs Jan. 8, 1946 (gage height, 20.8 ft), from rating curve extended above 26,000 cfs; minimum daily, 208 cfs May 3, 1953.

Remarks.--Flow regulated by Allatoona Reservoir since December 1949 (see p. 246).

Cooperation.--Gage-height record, 16 discharge measurements, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

Revisions (water years).--WSP 1032: 1944.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 4 to June 15)

1.1	171	2.0	1,940
1.2	268	3.0	3,510
1.3	390	5.0	5,790
1.5	760		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,470	1,700	825	246	974	257	4,420	224	3,300	1,140	1,570	1,000
2	1,120	1,480	835	246	302	1,190	636	1,420	3,050	876	*1,800	849
3	246	1,410	1,210	252	768	1,990	224	905	1,760	257	*1,530	909
4	1,600	1,180	728	257	224	3,930	*224	1,490	257	257	1,640	279
5	1,540	1,150	235	252	229	2,620	235	1,240	257	914	1,530	901
6	1,590	986	236	1,720	268	246	3,560	1,200	1,140	1,170	830	631
7	1,460	235	246	2,210	252	2,530	3,770	1,010	1,140	1,340	275	740
8	1,600	1,330	246	1,850	252	2,760	1,720	224	1,260	1,350	1,440	701
9	1,300	1,360	246	246	257	4,040	214	1,030	937	902	1,480	651
10	235	1,260	246	2,430	252	4,320	214	1,090	699	260	1,430	684
11	1,470	1,320	246	1,010	324	4,360	224	1,030	268	852	1,400	268
12	1,430	1,200	235	235	a229	2,600	3,890	1,290	268	1,560	1,520	789
13	1,510	1,400	246	291	a229	246	1,170	2,350	1,950	1,640	1,220	770
14	1,480	224	246	373	a229	4,440	2,460	1,680	996	1,100	268	675
15	1,570	1,170	246	235	a1,070	4,550	5,040	246	903	999	1,580	796
16	1,360	867	257	224	a1,610	4,500	4,330	1,440	1,220	773	1,570	*711
17	246	850	*257	1,540	a1,110	4,530	228	*1,140	783	279	2,540	734
18	1,500	858	257	2,450	a234	4,540	5,000	2,240	268	1,170	1,820	*257
19	1,500	1,080	246	933	a265	2,120	4,930	2,710	288	1,190	1,860	677
20	1,460	1,220	246	224	a233	235	2,760	2,060	894	1,560	1,330	819
21	1,560	*246	246	246	a1,760	235	988	742	1,100	1,410	268	928
22	*1,570	1,460	332	*235	a1,770	235	2,200	243	982	1,210	1,430	872
23	1,090	1,470	246	246	a1,830	235	764	3,170	1,220	984	1,740	792
24	*235	1,510	246	246	a4,670	235	222	2,290	1,110	279	1,450	730
25	1,620	1,430	235	1,610	a5,020	235	227	2,560	*274	2,340	1,190	235
26	1,590	1,470	235	2,290	*a4,530	235	948	3,980	284	1,700	1,250	822
27	1,640	1,210	241	2,530	*246	235	1,120	1,770	*985	1,730	1,240	620
28	1,560	224	241	988	869	235	1,340	1,050	1,050	1,760	279	959
29	1,520	896	246	224	-----	235	2,340	257	975	1,600	1,390	925
30	1,200	779	246	214	-----	2,570	956	2,530	1,000	967	968	697
31	235	-----	246	1,230	-----	4,320	-----	2,860	-----	279	1,030	-----
Total	39,507	32,975	10,295	27,283	29,906	65,009	56,354	47,301	30,578	33,748	40,968	21,321
Mean	1,274	1,099	332	860	1,068	2,097	1,878	1,526	1,019	1,089	1,322	711
(\bar{x})	-997	-585	+644	+468	+2,075	-234	+511	-65	-145	-47	-558	-424

Adjusted for change in contents in Allatoona Reservoir.

	Observed				Adjusted			
Mean	277	514	976	1,348	3,133	1,863	2,389	1,461
Cfsm	0.250	0.463	0.879	1.21	2.82	1.68	2.15	1.32
In.	0.29	0.52	1.01	1.40	2.94	1.94	2.40	1.52
Calendar year 1954:	Max 5,970	Min 222	Mean 1,396	Mean 1,350	Cfsm 1.22	In. 16.52		
water year 1954-55:	Max 5,040	Min 214	Mean 1,192	Mean 1,231	Cfsm 1.11	In. 15.06		

* Discharge measurement made on this day.

+ Change in contents in Allatoona Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

a No gage height record; discharge estimated on basis of power output at Allatoona Dam.

Etowah River near Kingston, Ga.

Location.--Lat 34°12', long 84°59', on downstream side of center pier of highway bridge, half a mile upstream from Two Run Creek, 1½ miles upstream from Connesena Creek, and 2½ miles southwest of Kingston, Bartow County.

Drainage area.--1,630 sq mi, approximately.

Records available.--July 1928 to December 1931, November 1936 to September 1955 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 609.97 ft above mean sea level (Dixie Construction Co. benchmark).

Average discharge.--21 years (1928-31, 1937-55), 2,325 cfs (unadjusted).

Extremes.--Maximum discharge during year, 9,520 cfs Apr. 5 (gage height, 10.60 ft); minimum daily, 399 cfs Dec. 26.
1928-31, 1936-55: Maximum discharge, 42,700 cfs Apr. 9, 1938 (gage height, 27.7 ft); minimum, 201 cfs Oct. 19, 1931 (gage height, 2.76 ft).
Maximum stage known, about 31 ft Dec. 11, 1919, from information by local resident (discharge, 52,000 cfs).

Remarks.--Flow regulated by Allatoona Reservoir (see p. 246) and powerplant.

Cooperation.--Gage-height record, 15 discharge measurements, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 8 to 11, Feb. 28 to June 29)

3.1	386	6.0	2,800
4.0	1,040	10.0	8,550
5.0	1,780		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,570	1,100	1,050	667	1,460	844	4,680	1,430	3,470	1,230	1,340	1,080
2	1,060	1,830	1,010	1,220	1,450	1,320	2,780	1,930	3,590	1,050	*2,080	1,000
3	900	1,400	1,270	940	1,080	2,450	2,050	1,350	2,880	499	*1,720	1,050
4	1,140	1,460	932	667	1,230	3,560	1,610	1,960	739	460	1,950	755
5	1,770	1,400	869	593	889	3,390	1,200	1,560	556	990	1,810	767
6	1,580	1,140	615	1,250	2,660	1,880	*3,040	1,690	1,290	1,910	- 1,070	1,040
7	1,660	748	511	2,620	7,260	3,210	6,050	1,330	1,140	1,680	810	771
8	1,480	890	440	1,980	3,810	3,470	4,980	873	1,540	2,060	1,480	905
9	1,440	1,350	446	1,470	1,490	3,990	1,490	1,020	1,520	1,660	1,600	924
10	918	1,530	433	1,970	1,050	4,800	1,190	1,420	892	1,180	1,630	892
11	1,050	1,340	426	2,600	1,010	4,860	1,530	1,440	788	1,290	1,700	613
12	1,690	1,440	413	1,390	880	3,760	3,410	1,560	800	1,660	1,780	899
13	1,540	1,350	426	770	778	1,820	4,530	2,130	1,710	1,900	1,550	977
14	1,470	1,050	446	824	755	3,510	4,330	2,590	1,390	1,490	803	930
15	1,650	1,030	440	666	1,380	5,290	7,380	1,140	1,260	1,290	1,260	933
16	1,400	1,100	433	652	2,270	4,990	6,330	1,470	1,400	1,100	3,160	*1,020
17	973	1,010	526	1,300	2,100	5,000	2,940	1,630	1,060	630	2,890	848
18	980	1,060	*837	2,350	1,160	5,130	3,670	*2,010	807	1,260	2,560	*741
19	1,810	1,140	*685	2,470	865	3,800	5,800	2,740	489	1,320	2,310	696
20	1,520	1,190	541	1,010	782	2,070	4,980	2,620	801	1,720	1,850	981
21	1,420	* 978	480	*800	2,080	997	1,640	2,000	1,160	1,750	747	1,200
22	*1,660	1,120	433	770	2,630	2,870	2,490	1,000	1,100	1,530	1,080	981
23	1,240	1,500	523	815	2,950	2,120	2,360	2,940	1,590	1,120	2,210	1,150
24	*825	1,750	406	755	6,300	1,450	1,030	2,900	696	1,050	1,800	956
25	1,180	1,590	406	1,450	6,200	1,150	949	3,320	*1,280	1,860	1,160	672
26	1,760	1,500	399	2,380	*6,200	1,060	1,200	4,130	489	2,630	1,490	710
27	1,590	1,300	406	2,800	*5,350	933	1,570	2,620	1,210	1,820	1,490	886
28	1,980	972	420	1,630	1,400	896	1,710	1,570	1,100	1,950	875	691
29	1,500	850	548	963	-	544	2,330	959	1,360	1,690	1,200	1,290
30	1,500	1,080	652	525	-----	2,230	2,030	1,890	1,120	1,490	1,090	1,071
31	823	-----	570	961	-----	4,350	-----	2,980	-----	586	1,290	-----
Total	43,079	37,178	17,972	41,259	67,069	87,824	91,259	60,202	39,007	43,855	49,765	27,264
Mean	1,390	1,239	580	1,331	2,395	2,833	3,042	1,942	1,300	1,415	1,605	907
(+)	-997	-585	+644	+468	+2,065	-234	+511	-65	-145	-47	-558	-424

Adjusted for change in contents in Allatoona Reservoir

Mean	393	654	1,224	1,799	4,460	2,599	3,553	1,877	1,155	1,368	1,047	483
Cfs/m	0.241	0.401	0.751	1.10	2.74	1.59	2.18	1.15	0.709	0.839	0.642	0.293
In.	0.28	0.45	0.87	1.27	2.85	1.83	2.43	1.33	0.79	0.97	0.74	0.33

	Observed				Adjusted			
Calendar year 1954:	Max	10,900	Min	380	Mean	1,812	Mean	1,766
Water year 1954-55:	Max	7,380	Min	399	Mean	1,660	Mean	1,699
							Cfs/m	1.08
							In.	14.70
							Cfs/m	1.04
							In.	14.14

* Discharge measurement made on this day.

(+) Change in contents in Allatoona Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

Note.--No gage-height record Feb. 12-27; discharge estimated on basis of records for station near Euharlee.

Etowah River at Rome, Ga.

Location.--Lat 34°15', long 85°09', on downstream side of center pier of Southern Railway bridge in Rome, Floyd County, 2 miles upstream from confluence with Oostanaula River.

Drainage area.--1,810 sq mi, approximately.

Records available.--July to December 1903, August 1904 to June 1921 (published as "near Rome"), May 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 561.70 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. July 1 to Dec. 31, 1903, staff gage at Second Avenue Bridge 1 mile downstream at different datum. Aug. 17, 1904, to June 30, 1921, staff gage at Freemans Ferry 5 miles upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge 1 mile downstream.

Average discharge.--16 years (1939-55), 2,525 cfs (unadjusted).

Extremes.--Maximum discharge during year, 9,430 cfs Feb. 7; maximum gage height, 22.15 ft Feb. 7; minimum daily discharge, 400 cfs Dec. 7, 29.
1904-21, 1939-55: Maximum discharge, 55,000 cfs Dec. 11, 1919 (gage height, over 28 ft, at former site at Freemans Ferry), computed from data at upstream stations; minimum daily, 360 cfs Oct. 10, 24, 1904.
Maximum stage known, that of Dec. 11, 1919. Flood of Apr. 9, 1938, reached a stage of 37.5 ft (discharge, 46,500 cfs), from gage reading and discharge measurement by Corps of Engineers.

Remarks.--Records good except those for period of no gage-height record, and those for periods of indefinite stage-fall-discharge relation, which are fair. Flow regulated by Allatoona Reservoir since 1949 (see p. 246).

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,700	*471	1,020	e450	1,690	1,500	4,860	1,570	3,740	1,300	725	1,230
2	1,620	1,840	983	1,030	1,520	1,150	4,490	1,190	3,920	1,310	1,980	1,130
3	1,290	1,720	1,020	916	1,280	2,310	2,800	1,760	3,890	1,150	2,080	1,040
4	488	1,580	1,440	844	1,360	2,860	2,050	1,820	1,710	608	1,870	1,200
5	1,830	1,330	974	598	818	4,120	1,540	1,910	791	708	2,010	555
6	1,740	1,350	634	645	e1,900	2,880	2,410	1,920	*969	1,870	1,740	1,120
7	1,760	1,180	e400	2,120	8,680	2,250	5,920	1,570	1,410	1,870	1,130	869
8	1,650	455	e480	2,430	5,200	3,680	5,800	1,440	1,720	2,330	731	909
9	1,760	1,480	540	2,140	e920	3,630	2,520	859	1,780	2,040	1,720	975
10	1,450	1,530	515	*793	e1,140	4,840	1,560	1,550	1,290	1,740	1,820	899
11	*496	1,370	471	3,420	e730	4,960	1,760	1,700	1,170	1,100	1,830	929
12	1,740	1,420	488	1,880	e1,000	4,590	2,470	1,570	743	1,260	1,820	544
13	1,690	1,330	499	824	1,060	2,720	5,880	1,960	985	2,130	1,870	1,120
14	1,740	1,550	511	757	1,010	*1,930	4,950	2,830	2,130	2,070	1,400	1,030
15	1,740	468	490	646	1,020	5,160	6,890	2,080	1,380	1,440	565	936
16	1,770	1,410	486	705	1,680	5,040	6,800	1,220	1,450	1,310	2,820	1,040
17	1,510	1,040	511	733	2,490	5,140	4,700	1,880	1,470	1,270	3,320	967
18	490	1,060	733	2,270	1,790	5,170	2,650	1,720	1,200	968	2,970	986
19	1,700	1,070	660	2,940	1,100	4,620	6,020	2,660	656	*1,440	2,380	502
20	1,640	1,240	*e510	1,460	961	2,860	5,550	3,110	790	1,550	2,260	996
21	1,700	1,420	462	741	955	1,220	2,790	2,310	1,140	1,970	1,600	1,110
22	1,920	503	466	815	2,590	5,320	2,260	2,420	1,400	1,880	804	1,150
23	1,610	1,680	543	897	3,460	3,490	3,330	2,810	1,390	1,760	1,970	1,130
24	1,270	1,630	494	843	4,450	e1,600	1,850	3,480	1,550	1,410	2,200	1,070
25	472	1,720	456	827	6,030	e1,300	1,260	4,010	1,440	1,130	1,530	1,020
26	1,900	1,630	469	2,450	6,080	e1,300	*1,090	4,170	626	2,810	1,400	540
27	1,730	e1,600	471	2,730	4,620	1,730	1,330	3,730	880	2,060	1,560	1,000
28	1,900	e1,400	479	2,440	1,450	1,060	1,840	1,240	2,100	1,490	859	
29	1,800	a 520	e400	1,340	-	1,080	2,210	1,570	1,410	1,970	*684	1,120
30	1,780	1,120	e760	650	-	1,230	2,840	1,340	1,260	1,860	1,490	1,200
31	1,340	-----	e650	*659	-	3,930	-----	3,290	-----	1,130	1,170	-----
Total	47,226	38,117	19,015	41,993	67,024	94,170	103,120	67,489	45,530	49,544	52,739	29,156
Mean	1,523	1,271	613	1,355	2,394	3,058	3,437	2,177	1,518	1,598	1,701	972
(")	-997	-585	+644	+468	+2,065	-254	+511	-65	-145	-47	-558	-424

Adjusted for change in contents in Allatoona Reservoir

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Mean	526	686	1,257	1,823	4,459	2,804	3,948	2,112	1,373	1,551	1,143	548
Cfsm	0.291	0.379	0.694	1.01	2.46	1.55	2.18	1.17	0.759	0.857	0.631	0.303
In.	0.34	0.42	0.80	1.16	2.56	1.79	2.43	1.35	0.85	0.99	0.73	0.34

	Observed						Adjusted					
Calendar year 1954:	Max	12,200	Min	400	Mean	2,044	Mean	1,998	Cfsm	1.10	In.	15.00
Water year 1954-55:	Max	8,660	Min	400	Mean	1,795	Mean	1,834	Cfsm	1.01	In.	13.76

* Discharge measurement made on this day.

† Change in contents in Allatoona Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

a No gage-height record at auxiliary gage; discharge estimated on basis of recorder graph at base gage and records for stations on nearby streams.

e Stage-fall-discharge-relation indefinite; discharge estimated as for footnote "a."

Coosa River near Rome, Ga.

Location.--Lat 34°12', long 85°16', on left bank attached to downstream face of abutment of Mayo Bar lock and dam, 1½ miles upstream from Webb Creek, 6 miles southwest of Rome, Floyd County, 7½ miles downstream from confluence of Oostanaula and Etowah Rivers and at mile 279.

Drainage area.--4,040 sq mi, approximately.

Records available.--January 1897 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to September 1955. Gage-height records collected at same site since 1922 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 553.05 ft above mean sea level (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, staff gage at site 7½ miles upstream at datum 22.74 ft higher.

Average discharge.--21 years (1928-31, 1937-55), 6,164 cfs (unadjusted).

Extremes.--Maximum discharge during year, 29,400 cfs Feb. 8 (gage height, 24.7 ft); minimum daily, 940 cfs Sept. 26, 1897-1903, 1928-31, 1937-55: Maximum discharge, 65,000 cfs Jan. 22, 1947 (gage height, 37.0 ft); minimum daily, that of Sept. 26, 1955. Maximum stage known, 40.3 ft Apr. 1, 1886 (site and datum at Rome).

Remarks.--Records good. Flow regulated by Allatoona Reservoir since December 1949 (see p. 246).

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,140	1,040	2,570	8,250	*3,020	5,850	7,850	4,150	5,950	2,300	1,780	1,850
2	2,140	2,300	2,220	7,050	4,150	5,150	8,580	3,470	5,850	2,390	2,840	1,750
3	1,860	2,140	1,980	5,350	3,950	5,950	11,900	4,350	5,250	2,060	3,290	1,850
4	1,150	2,140	2,140	3,950	3,950	6,750	13,100	3,750	3,850	1,520	3,290	1,850
5	2,220	1,940	1,740	3,110	3,020	7,650	11,000	4,050	2,480	1,560	3,380	1,160
6	2,300	1,900	2,060	2,680	12,200	6,550	11,600	3,750	2,390	2,480	3,110	1,670
7	2,140	1,860	4,050	3,750	27,700	5,650	16,600	3,560	*3,290	3,020	2,390	1,550
8	2,060	1,180	3,750	4,150	28,900	7,750	17,100	3,290	3,380	*3,200	1,980	1,550
9	2,140	2,060	2,590	3,560	25,700	7,150	13,000	2,570	3,470	3,580	2,840	1,520
10	1,940	2,140	1,860	2,390	23,100	7,950	8,910	3,200	3,200	3,290	2,940	1,440
11	*1,040	1,980	1,980	7,250	21,100	7,850	8,050	3,290	3,200	2,480	2,750	1,440
12	1,980	1,980	1,980	7,150	14,200	7,850	9,130	3,110	2,930	3,020	2,680	1,080
13	2,060	1,900	1,740	5,250	6,350	6,150	14,000	3,650	2,750	4,150	2,750	1,630
14	2,140	2,060	1,630	3,750	4,950	4,250	18,200	4,750	3,950	3,950	2,390	1,560
15	2,140	1,080	1,630	3,290	4,350	*7,750	19,800	4,750	3,020	3,110	1,520	1,560
16	2,140	1,900	1,670	3,110	4,950	7,650	19,300	4,950	2,840	2,840	3,290	1,520
17	1,940	1,670	1,670	3,020	5,850	7,550	15,700	7,050	2,930	2,840	4,750	1,440
18	1,040	1,710	3,020	4,050	5,750	7,550	8,250	6,950	2,480	2,480	3,750	1,410
19	1,980	1,820	4,850	5,950	5,050	7,750	10,600	6,150	1,900	3,020	3,020	1,070
20	2,060	1,900	4,750	6,250	4,450	6,250	9,790	5,550	1,900	2,840	2,930	1,150
21	2,060	2,060	*3,290	5,450	4,050	5,050	7,450	4,650	2,390	3,380	2,300	1,470
22	2,140	1,330	2,300	4,850	5,450	17,300	5,950	5,450	2,570	3,380	1,440	1,550
23	2,140	2,220	1,980	4,350	10,600	18,800	7,350	10,600	2,480	3,950	2,570	1,520
24	1,710	2,300	1,740	4,050	16,000	17,800	6,550	16,400	2,840	3,560	2,350	1,440
25	1,010	2,300	1,600	3,560	19,200	17,600	*5,550	16,800	2,660	2,840	2,480	1,370
26	2,060	2,140	1,480	4,350	18,100	14,600	5,250	12,500	2,390	5,350	2,060	940
27	2,140	2,220	1,440	4,750	14,300	8,360	5,450	9,790	2,480	4,150	2,220	1,410
28	2,140	2,060	1,370	4,650	6,650	6,950	5,050	6,150	2,930	3,650	2,140	1,370
29	2,220	1,410	4,150	3,200	-	5,950	4,950	4,850	2,570	3,290	1,260	1,520
30	2,140	2,570	9,240	2,300	-----	5,150	5,550	4,150	2,390	3,290	*2,140	1,670
31	1,860	-----	9,350	2,140	-----	6,950	-----	6,050	-----	2,660	1,740	-----
Total	60,230	57,310	87,620	136,940	306,940	261,510	311,560	183,730	92,710	95,430	80,830	44,200
Mean	1,943	1,910	2,826	4,417	10,960	8,436	10,390	5,927	3,090	3,078	2,607	1,473
(†)	-397	-585	-	+644	+2,065	-234	+511	-65	-145	-47	-558	-424

Adjusted for change in contents in Allatoona Reservoir

	Mean	Cfsm	In.
Observed	946	1,325	3,470
Adjusted	0.234	0.328	0.859
In.	0.27	0.37	0.99

	Observed	Adjusted
Calendar year 1954:	Max 36,500	Min 1,010
Water year 1954-55:	Max 28,900	Min 940
	Mean 5,211	Mean 5,165
	Mean 4,710	Mean 4,749

* Discharge measurement made on this day.

† Change in contents in Allatoona Reservoir, equivalent in cubic feet per second, furnished by Corps of Engineers.

Cedar Creek near Cedartown, Ga.

Location--Lat 34°04', long 85°19', on left bank 700 ft downstream from bridge on State Highway 161, 4½ miles upstream from Lake Creek, and 4½ miles northwest of Cedartown, Polk County.

Drainage area--109 sq mi.

Records available--October 1942 to September 1955.

Gage--Water-stage recorder. Datum of gage is 724.22 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department).

Average discharge--13 years, 158 cfs.

Extremes--Maximum discharge during year, 4,170 cfs Feb. 7 (gage height, 9.9 ft); minimum daily, 26 cfs Oct. 20, Nov. 13, 14.
1942-55: Maximum discharge, 12,500 cfs Nov. 28, 1948 (gage height, 16.4 ft), from rating curve extended above 4,500 cfs on basis of slope-conveyance studies; minimum daily, that of Oct. 20, Nov. 13, 14, 1954.

Remarks--Records fair. Diurnal fluctuation and moderate regulation at low flow caused by powerplants above station.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	138	29	28	144	*68	136	110	97	89	47	49	40
2	38	*30	28	257	180	125	203	96	82	47	77	41
3	33	29	28	107	103	110	224	90	78	47	45	41
4	31	31	28	81	86	99	159	87	75	46	45	41
5	31	33	31	71	81	94	167	84	72	52	45	41
6	30	28	45	63	1,720	185	185	81	71	63	45	42
7	29	28	34	58	1,770	280	372	82	*76	72	45	42
8	30	28	31	53	462	175	280	78	72	*110	44	42
9	28	29	37	54	310	143	224	76	68	62	43	41
10	28	28	34	158	243	125	206	74	67	67	43	40
11	30	27	31	290	208	116	330	67	81	56	42	40
12	*31	28	31	151	164	107	270	71	72	53	42	40
13	31	26	36	101	130	300	738	74	66	54	41	37
14	30	28	35	82	120	180	1,120	78	62	61	40	37
15	31	28	32	84	112	*149	491	74	61	52	41	35
16	31	31	32	94	110	133	350	107	61	52	41	36
17	31	31	35	79	182	141	290	156	58	52	41	38
18	36	31	99	78	143	125	257	99	56	53	40	36
19	35	29	53	300	118	182	224	81	55	51	39	35
20	26	29	43	195	107	198	201	75	56	112	40	35
21	30	29	*41	143	97	208	248	75	54	101	39	33
22	31	30	39	198	112	1,290	234	621	55	63	40	33
23	28	30	37	162	409	478	188	373	54	143	42	33
24	28	29	35	130	280	310	167	238	55	81	41	34
25	29	28	34	110	236	263	146	266	53	84	39	33
26	30	28	34	92	188	236	*133	177	56	64	40	35
27	29	30	34	87	164	180	123	138	54	56	39	37
28	28	40	33	82	149	162	116	114	51	54	38	36
29	31	44	226	76	-	146	110	118	50	51	42	38
30	30	31	105	71	-----	128	101	120	48	50	*42	40
31	29	-----	61	67	-----	118	-----	99	-----	48	40	-----
Total	1,051	898	1,430	3,718	8,051	6,620	7,967	4,066	1,908	2,004	1,299	1,130
Mean	33.9	29.9	46.1	120	288	214	26.6	1.31	63.6	64.6	41.9	37.7
Cfsm	0.311	0.274	0.423	1.10	2.64	1.96	2.44	1.20	0.583	0.593	0.384	0.346
In.	0.36	0.31	0.49	1.27	2.75	2.26	2.72	1.38	0.65	0.68	0.44	0.39
Calendar year 1954: Max	4,610			Min	26	Mean	111	Cfsm	1.02	In.	13.82	
Water year 1954-55: Max	1,770			Min	26	Mean	110	Cfsm	1.01	In.	13.70	

Peak discharge (base, 2,000 cfs)--Feb. 7 (1 a.m.) 4,170 cfs (9.9 ft); Mar. 22 (7 a.m.) 2,100 cfs (6.8 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Chattooga River at Summerville, Ga.

Location--Lat 34°28', long 85°20', on left bank 600 ft downstream from bridge on U. S. Highway 27, 1 mile southeast of Summerville, Chattooga County, and 4 miles upstream from Raccoon Creek.

Drainage area--193 sq mi.

Records available--March 1937 to September 1955.

Gage--Water-stage recorder. Datum of gage is 613.47 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). Prior to Nov. 12, 1937, staff gage at same site and datum.

Average discharge--18 years, 344 cfs.

Extremes--Maximum discharge during year, 6,310 cfs Feb. 7 (gage height, 15.5 ft); minimum daily, 54 cfs Oct. 16, 17.

1937-55: Maximum discharge, 24,500 cfs Mar. 29, 1951 (gage height, 21.0 ft); minimum daily, 38 cfs Oct. 17, 1937, Nov. 9, 12, 1939.

Remarks--Records good. Low and medium flow regulated by powerplant at Trion, 6 miles above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 15 to May 14)

2.0	52	8.0	1,400
2.5	118	12.0	2,810
3.0	200	14.0	4,030
4.0	395	15.0	5,420
6.0	842		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	60	64	262	*153	322	236	227	264	120	121	102
2	62	*59	63	264	236	292	273	227	227	116	120	93
3	62	59	62	216	209	254	868	209	214	110	114	86
4	60	63	60	197	178	245	522	202	204	109	110	86
5	60	66	64	180	173	254	568	195	195	108	104	88
6	60	65	161	166	2,270	236	868	190	192	126	103	85
7	59	64	100	156	a4,300	254	946	176	*207	*137	124	85
8	59	63	90	147	a1,190	236	654	173	*192	123	176	84
9	59	62	82	144	a722	227	522	174	178	169	114	74
10	59	62	78	158	a544	218	448	169	168	126	106	79
11	62	62	76	254	a522	216	868	142	218	120	*102	77
12	*59	60	74	227	416	200	894	155	195	153	106	82
13	59	58	76	202	332	193	1,230	245	176	152	97	77
14	58	65	79	178	312	190	2,280	254	160	128	95	77
15	59	63	80	171	292	*183	1,460	738	158	139	95	77
16	54	68	76	171	282	181	868	3,070	155	207	100	75
17	54	69	68	161	322	174	876	794	147	264	97	74
18	58	64	273	155	292	171	555	479	142	164	97	71
19	58	63	166	342	264	169	458	364	140	140	95	74
20	60	62	118	312	245	192	406	302	139	136	92	*72
21	59	59	*103	264	236	245	374	416	136	129	88	71
22	60	62	92	322	302	2,280	332	529	153	129	89	72
23	57	62	86	322	1,310	1,170	479	1,690	158	185	90	71
24	59	63	81	273	794	632	395	794	211	174	86	74
25	62	59	80	236	566	500	416	920	153	273	88	68
26	58	58	76	211	458	500	*332	566	160	190	88	81
27	59	64	76	197	395	416	312	448	148	160	85	80
28	58	60	77	185	353	353	292	364	134	148	81	79
29	63	96	1,000	174	-	322	264	374	124	139	76	77
30	58	75	1,200	161	-	282	245	353	121	129	82	75
31	58	-	384	153	-	282	-	282	-	124	161	-
Total	1,834	1,935	5,205	6,591	17,668	11,371	19,061	15,221	5,209	4,627	3,182	2,388
Mean	59.2	64.5	168	212	631	367	635	491	174	149	103	79.6
Cfsm	0.307	0.334	0.870	1.10	3.27	1.90	3.29	2.54	0.902	0.772	0.534	0.412
In.	0.35	0.37	1.00	1.27	3.40	2.19	3.67	2.93	1.01	0.89	0.62	0.46

Calendar year 1954: Max 6,440 Min 54 Mean 234 Cfsm 1.21 In. 16.44
Water year 1954-55: Max 4,300 Min 54 Mean 258 Cfsm 1.34 In. 18.16

Peak discharge (base, 3,000 cfs).--Feb. 7 (5 a.m.) 6,310 cfs (15.5 ft); Mar. 22 (6 p.m.) 3,240 cfs (12.9 ft); May 18 (10 a.m.) 4,500 cfs (14.4 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

Chattooga River at Gaylesville, Ala.

Location.--Lat 34°16', long 85°34', in SW $\frac{1}{4}$ sec. 11, T. 9 S., R. 10 E., on left bank at downstream side of bridge on county road, 0.2 mile southwest of Gaylesville and 9 miles upstream from Little River.

Drainage area.--377 sq mi.

Records available.--June 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 549.56 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). June 5, 1937, to Sept. 26, 1944, staff gage and Sept. 27, 1944, to Dec. 14, 1948, wire-weight gage, at same site and datum.

Average discharge.--18 years, 663 cfs.

Extremes.--Maximum discharge during year, 6,780 cfs Feb. 8 (gage height, 18.30 ft); minimum daily, 86 cfs Nov. 1.
1937-55: Maximum discharge, 33,700 cfs Mar. 30, 1951 (gage height, 25.24 ft), from rating curve extended above 18,000 cfs; minimum daily, 74 cfs Oct. 21, 1940.

Remarks.--Records good. Some regulation at low flow by powerplant 27 miles above station.

Revisions (water years).--WSP 1052: 1938, 1943-44.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

(Backwater from return of overbank flow Jan. 9)

4.0	86	14.0	3,100
5.0	248	16.0	4,000
6.0	452	19.0	8,100
9.0	1,290		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	108	86	124	615	275	680	476	440	476	205	196	174
2	114	86	114	615	821	654	512	406	417	199	193	143
3	102	*98	110	440	524	563	990	384	384	193	184	140
4	102	105	108	373	395	524	1,080	373	362	189	181	138
5	102	106	118	332	352	512	872	352	342	188	177	133
6	103	118	203	302	3,110	500	1,320	342	373	189	169	136
7	103	106	204	275	6,620	512	1,620	332	384	204	199	136
8	100	102	140	257	6,150	476	1,320	312	362	*248	266	*132
9	99	100	140	248	2,000	440	990	293	312	248	239	132
10	97	97	154	284	1,200	428	844	293	312	239	*186	127
11	97	96	138	524	1,080	417	1,420	293	440	204	172	124
12	99	97	128	452	900	406	1,840	257	362	239	184	127
13	99	97	136	*373	732	406	2,200	352	312	230	169	126
14	100	97	*135	332	654	373	3,870	428	284	216	156	124
15	97	104	135	322	*615	352	3,320	417	275	218	164	124
16	96	114	133	342	576	342	1,980	2,040	266	312	230	124
17	90	120	133	312	706	332	1,390	2,590	257	406	198	114
18	93	118	357	302	628	322	1,140	818	248	266	174	116
19	94	109	384	589	563	352	930	615	239	228	160	116
20	93	112	230	654	524	395	816	512	230	293	154	118
21	94	103	189	512	500	482	732	500	222	257	152	115
22	89	102	169	654	577	2,300	680	732	230	215	151	114
23	100	104	160	641	2,020	*2,950	960	2,140	239	302	174	115
24	92	103	149	537	1,840	1,350	872	1,690	284	284	152	116
25	90	102	144	464	1,200	990	732	1,980	275	537	144	159
26	94	102	143	406	960	900	*654	1,170	257	352	143	138
27	93	106	135	373	816	816	602	844	257	275	141	124
28	94	118	135	352	732	680	550	*680	223	239	141	122
29	99	204	1,400	322	-	615	512	680	211	225	135	124
30	103	154	2,120	302	-----	550	464	680	204	213	133	124
31	95	-----	844	284	-----	500	-----	550	-----	206	194	-----
Total	3,029	3,282	8,912	12,790	36,870	21,119	35,688	23,493	9,039	7,817	5,411	3,860
Mean	97.7	109	287	413	1,317	681	1,190	758	301	252	175	129
Cfsm	0.255	0.285	0.749	1.08	3.44	1.78	3.11	1.98	0.786	0.656	0.457	0.337
In.	0.30	0.32	0.88	1.26	3.64	2.08	3.52	2.32	0.89	0.77	0.53	0.38

Calendar year 1954: Max 8,850 Min 86 Mean 446 Cfsm 1.16 In. 16.04
Water year 1954-55: Max 6,620 Min 86 Mean 469 Cfsm 1.22 In. 16.89

Peak discharge (base, 5,000 cfs).--Feb. 8 (8 a.m.) 6,780 cfs (18.30 ft).

* Discharge measurement made on this date.

MOBILE RIVER BASIN

Coosa River at Leesburg, Ala.

Location.--Lat 34°11', long 85°45', in NW¹/₄ sec. 12, T. 10 S., R. 8 E., near center of channel on downstream side of pier of bridge on U. S. Highway 411, 1 mile east of Leesburg and 4 miles downstream from Yellow Creek.

Drainage area.--5,270 sq mi, approximately.

Records available.--June 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 517.77 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to June 7, 1941, staff gage and June 8, 1941, to Sept. 30, 1952, wire-weight gage, at same site and datum.

Average discharge.--18 years, 8,204 cfs.

Extremes.--Maximum discharge during year, 37,400 cfs Feb. 8 (gage height, 24.5 ft); minimum daily, 1,300 cfs Oct. 19, 26, Nov. 2.
1937-55: Maximum discharge, 73,200 cfs Feb. 14, 1946, Jan. 24, 1947 (gage height, 35.1 ft, from graph based on gage readings); minimum daily, 1,130 cfs Oct. 24-26, 1941.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Flow from 1,110 sq mi regulated by Allatoona Reservoir (see p. 246) and by hydro-electric plant on Etowah River.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.7	1,260	12.0	16,100
2.0	2,280	18.0	26,300
4.0	4,320	25.0	38,200
8.0	9,750		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,360	2,000	2,700	11,800	3,200	8,580	8,860	6,090	7,460	2,900	3,000	2,280
2	2,360	1,300	2,700	11,800	5,180	8,160	9,750	4,800	7,180	2,800	2,440	2,200
3	2,200	2,280	2,360	8,720	6,760	7,460	12,300	4,880	6,760	2,700	a3,300	2,120
4	2,000	2,280	2,200	6,480	5,570	8,020	15,300	4,600	5,960	2,440	a3,700	2,200
5	1,440	2,280	2,280	4,920	5,180	8,720	14,300	4,680	4,320	2,000	a3,600	2,120
6	2,280	2,120	2,040	4,080	15,700	8,580	14,200	4,560	3,310	2,120	a3,400	a1,600
7	2,360	2,120	2,610	3,970	34,500	8,020	17,600	4,320	3,640	3,200	a3,100	1,920
8	2,280	2,000	4,320	4,800	37,200	8,440	21,000	3,970	4,080	*3,640	a2,500	*1,840
9	2,200	1,480	3,750	4,680	37,000	9,150	19,200	3,640	4,200	3,970	a2,900	1,800
10	2,280	2,120	2,610	4,440	34,100	9,000	14,200	3,200	4,320	3,970	a3,100	1,800
11	2,040	2,280	*2,200	7,180	30,000	9,150	13,200	3,640	4,080	3,640	a3,200	1,720
12	1,350	2,120	2,280	9,450	25,100	9,150	14,500	3,640	4,080	3,310	a3,200	1,720
13	2,120	2,200	2,280	8,300	14,700	8,580	15,000	3,860	3,640	3,860	a3,100	1,400
14	2,280	2,120	2,040	*6,090	7,880	6,760	29,700	4,880	3,970	4,800	a2,900	1,800
15	2,200	2,200	1,920	4,800	*6,480	6,760	30,700	5,570	4,320	4,440	a2,400	1,840
16	2,280	1,480	1,920	4,920	6,220	8,860	28,500	6,220	3,640	3,750	3,100	1,800
17	2,280	1,960	1,960	4,560	7,600	8,720	24,600	9,300	3,530	3,750	4,680	1,800
18	2,040	1,840	2,440	4,560	8,160	8,580	17,300	9,000	3,310	3,640	4,800	1,720
19	1,300	1,880	4,200	7,040	7,320	9,000	12,800	7,880	3,000	3,420	4,080	1,640
20	2,040	2,000	5,570	8,860	6,480	9,150	12,600	6,760	2,440	3,640	3,550	1,330
21	2,280	2,040	4,920	8,160	5,830	7,600	11,000	6,090	2,520	5,310	3,200	1,560
22	2,280	2,200	3,530	8,160	5,960	20,700	9,150	6,480	3,000	4,320	2,520	1,760
23	2,360	1,640	2,700	7,460	13,200	28,700	8,580	12,900	3,100	4,200	2,120	1,800
24	2,200	2,280	2,360	6,350	18,500	26,300	9,750	17,500	3,200	4,560	3,200	1,800
25	1,840	2,440	2,120	5,570	20,700	22,600	8,160	21,900	3,310	4,320	3,200	1,720
26	1,300	2,440	2,000	5,180	21,500	20,700	*7,320	19,800	3,310	4,800	2,610	1,720
27	2,200	2,360	1,680	5,630	20,000	15,500	6,900	14,500	3,100	6,220	2,440	1,330
28	2,280	2,440	1,800	5,960	13,700	10,200	6,820	10,200	3,310	4,800	2,520	1,640
29	2,360	2,280	5,840	5,180	-	8,580	6,220	7,880	3,310	4,560	2,360	1,640
30	2,360	1,840	13,700	3,970	-	7,460	6,220	7,460	3,100	3,860	1,840	1,800
31	2,280	-----	13,400	3,200	-----	7,460	-----	6,760	-----	3,750	2,360	-----
Total	65,410	62,020	108,630	196,470	423,720	344,640	428,030	236,760	118,500	118,690	94,400	53,340
Mean	2,110	2,067	3,504	6,338	15,130	11,120	14,270	7,637	3,950	3,829	3,045	1,778
Cfsm	0.401	0.393	0.666	1.20	2.88	2.11	2.71	1.45	0.751	0.728	0.579	0.338
In.	0.46	0.44	0.77	1.39	2.99	2.43	3.02	1.67	0.84	0.84	0.67	0.36
Calendar year 1954: Max	45,400				Min 1,260	Mean 6,600	Cfsm 1.25	In. 16.99				
Water year 1954-55: Max	37,200				Min 1,300	Mean 6,166	Cfsm 1.17	In. 15.90				

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of record for station at Gadsden.

Coosa River at Gadsden, Ala.

Location.--Lat 34°01', long 86°00', in NE¹/₄ sec. 10, T. 12 S., R. 6 E., near midstream in pier of Etowah County Memorial Bridge on U. S. Highway 24¹/₂, in Gadsden, 450 ft downstream from Louisville & Nashville Railroad bridge and 1¹/₂ miles upstream from Big Wills Creek.

Drainage area.--5,800 sq mi, approximately.

Records available.--October 1926 to September 1955. Gage-height records collected at same site since 1890 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 485.97 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Oct. 1, 1926, staff or chain gage on Louisville & Nashville Railroad bridge 450 ft upstream at datum 1.15 ft higher.

Average discharge.--29 years, 9,216 cfs.

Extremes.--Maximum discharge during year, 41,900 cfs Feb. 8 (gage height, 21.3 ft); minimum daily, 1,540 cfs Sept. 22.
1926-55: Maximum discharge, 76,900 cfs Apr. 11, 1936 (gage height; 31.13 ft); minimum, 1,170 cfs Oct. 27, 1941 (gage height, 0.36 ft).
Maximum stage known, 37.9 ft Apr. 6, 1886, from floodmarks established by Corps of Engineers. Flood of July 15, 1916, reached a stage of 32.7 ft.

Remarks.--Records good. Flow from 1,110 sq mi regulated by Allatoona Reservoir (see p. 246) and by hydroelectric plant on Etowah River.

Revisions.--WSP 682: Drainage area.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.7	1,540	10.0	15,200
1.5	2,390	15.0	25,600
3.0	4,160	22.0	44,000
6.0	8,250		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,440	2,390	2,170	13,700	3,680	12,800	8,100	6,520	7,360	3,320	3,800	2,560
2	2,560	2,170	2,900	13,500	4,410	9,480	10,100	5,840	7,500	3,080	3,020	2,440
3	2,500	1,640	2,640	11,700	6,520	8,700	12,800	4,930	7,080	3,020	2,900	2,390
4	2,280	2,440	2,560	8,550	6,800	8,250	14,400	5,060	6,660	3,020	3,560	2,340
5	2,170	2,500	2,440	6,520	5,970	8,550	16,000	4,930	5,710	2,720	3,920	2,340
6	1,740	2,500	2,560	5,190	17,600	9,320	15,000	4,930	4,280	2,340	3,800	2,280
7	2,500	2,340	2,340	4,410	33,800	9,180	16,900	4,670	3,680	2,500	3,680	1,850
8	2,500	2,280	3,020	4,410	40,700	8,700	20,400	4,540	4,160	3,440	3,320	2,010
9	2,500	2,220	4,280	5,060	11,300	9,320	21,400	4,160	4,280	*4,040	2,960	*2,010
10	2,390	1,740	3,680	5,450	39,300	9,320	21,000	3,800	4,410	4,280	3,080	1,960
11	2,440	2,340	*2,640	6,660	36,400	9,480	16,000	3,560	4,540	4,160	3,320	1,960
12	2,220	2,500	2,440	9,160	32,000	9,480	16,300	3,920	4,410	3,680	3,320	1,900
13	1,640	2,340	2,560	9,800	25,200	9,180	19,500	3,920	4,280	3,680	3,320	1,850
14	2,280	2,390	2,500	8,100	13,500	8,400	28,700	4,160	3,920	4,160	3,320	1,640
15	2,390	2,340	2,280	6,380	8,250	6,660	35,100	5,060	4,280	4,800	3,080	1,900
16	2,390	2,440	2,170	5,840	*7,080	7,950	34,600	5,580	4,280	4,540	2,720	2,010
17	2,440	1,740	2,220	5,580	7,650	9,000	30,900	7,360	3,800	4,160	3,200	1,960
18	2,390	2,170	2,500	5,190	8,850	8,850	25,600	9,800	3,800	3,920	4,670	1,960
19	2,170	2,060	2,960	6,940	8,700	9,320	17,100	8,700	3,560	3,680	4,410	1,850
20	1,590	2,120	4,540	9,160	7,650	10,300	13,500	7,650	3,200	3,680	3,920	1,800
21	2,280	2,220	5,320	9,640	6,800	10,100	12,800	6,660	2,840	4,280	3,560	1,590
22	2,440	2,280	4,800	9,640	6,520	18,100	11,500	8,520	2,960	5,060	3,200	1,540
23	2,440	2,390	3,680	9,160	11,000	28,700	5,480	9,160	5,200	4,410	2,720	1,800
24	2,600	1,960	2,900	8,100	17,900	32,000	8,640	14,800	3,320	4,410	2,390	1,960
25	2,340	2,500	2,660	6,940	20,800	28,000	9,640	19,300	3,680	4,670	3,320	1,960
26	2,060	2,610	2,440	5,970	22,300	24,100	8,250	21,900	3,560	4,410	3,200	1,960
27	1,590	2,660	2,280	5,840	22,100	20,800	*7,360	18,500	3,560	5,320	2,780	1,900
28	2,340	2,610	2,170	6,240	19,700	14,600	7,080	13,700	3,440	5,840	2,610	1,590
29	2,500	2,610	6,760	6,240	-	10,500	6,800	10,600	3,560	4,330	2,660	1,640
30	2,610	2,440	11,300	5,190	-----	8,850	6,560	9,460	3,440	4,670	2,500	1,650
31	2,500	-----	14,600	4,280	-----	7,650	-----	7,650	-----	3,920	2,440	-----
Total	71,130	68,940	114,710	228,540	462,460	385,600	482,330	247,360	128,750	124,140	100,700	58,800
Mean	2,295	2,298	3,700	7,372	17,230	12,440	16,080	7,979	4,292	4,005	3,248	1,960
Cfsm	0.396	0.397	0.639	1.27	2.98	2.15	2.78	1.38	0.741	0.692	0.561	0.339
In.	0.46	0.44	0.74	1.47	3.09	2.47	3.09	1.59	0.83	0.80	0.65	0.38

Calendar year 1954: Max 50,700 Min 1,480 Mean 7,352 Cfsm 1.27 In. 17.23
Water year 1954-55: Max 41,300 Min 1,540 Mean 6,631 Cfsm 1.18 In. 16.01

* Discharge measurement made on this day.

Big Wills Creek near Crudup, Ala.

Location.--Lat 34°06', long 86°02', in SE $\frac{1}{4}$ sec. 6, T. 11 S., R. 6 E., at midstream on upstream handrail of highway bridge, 1 mile upstream from Fisher Creek, 2 miles west of Crudup, and 4 miles downstream from Little Duck Creek.

Drainage area.--185 sq mi (revised).

Records available.--October 1943 to September 1955.

Gage.--Wire-weight gage read twice daily. Altitude of gage is 650 ft (from topographic map).

Average discharge.--12 years, 316 cfs.

Extremes.--Maximum discharge during year, 3,040 cfs Feb. 7 (gage height, 9.64 ft, from graph based on gage readings); minimum observed, 21 cfs Sept. 22 (gage height, 1.26 ft). 1943-55: Maximum discharge, 14,800 cfs Mar. 29, 1951 (gage height, 14.5 ft, from floodmarks); minimum observed, that of Sept. 22, 1955.

Remarks.--Records fair except those for periods of doubtful gage-height record, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 15-22, Feb. 26 to Mar. 21)

Oct. 1 to Mar. 23

Mar. 24 to Sept. 30

1.4	19	4.0	409	1.2	16	3.0	224
2.0	72	6.0	1,020	1.8	73	4.0	419
2.5	124	8.0	1,870	2.5	155	6.0	1,020
3.0	194	9.5	2,940				

Note.--Same as preceding table above 6.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*33	27	60	289	124	289	272	209	195	78	68	49
2	33	25	49	229	290	383	309	195	195	73	63	42
3	33	*29	41	186	311	289	372	181	181	73	63	38
4	34	30	34	156	268	248	290	181	168	68	58	35
5	33	39	51	142	311	248	272	181	142	73	57	36
6	31	45	87	136	1,310	248	329	168	136	73	57	38
7	33	48	72	124	2,650	229	395	168	142	*73	63	38
8	30	48	58	124	2,430	229	372	155	168	118	*58	38
9	30	41	50	118	1,980	202	350	155	329	*106	49	38
10	30	34	*44	124	1,580	211	350	155	309	118	47	40
11	31	33	47	149	1,440	202	395	148	290	130	45	35
12	29	34	44	170	1,120	d190	419	148	272	209	45	34
13	29	34	42	*142	760	d190	732	168	239	106	47	*34
14	29	34	42	142	436	d180	1,980	181	168	106	51	32
15	30	35	41	149	220	d170	1,520	168	142	148	50	31
16	29	35	44	156	268	d170	790	168	118	239	46	29
17	29	38	58	142	311	170	582	155	106	148	45	30
18	29	40	113	156	*289	170	470	148	95	168	47	29
19	29	39	102	268	268	220	419	142	90	181	49	27
20	28	35	92	311	248	289	372	142	90	195	51	26
21	27	35	77	289	220	334	329	168	84	239	51	25
22	28	35	66	268	306	1,150	329	309	73	195	41	22
23	27	34	60	229	880	*2,220	309	525	84	168	43	25
24	28	31	53	220	820	912	419	419	220	142	43	25
25	29	35	46	194	550	611	290	553	181	106	41	36
26	33	40	41	163	383	525	*290	329	124	100	42	52
27	32	41	39	149	311	329	255	272	106	95	41	47
28	29	58	50	156	268	272	255	224	95	90	41	48
29	28	92	542	130	309	229	309	508	80	78	37	47
30	28	82	1,060	124	-----	309	224	*384	84	78	37	45
31	31	-----	640	124	-----	290	-----	224	-----	73	52	-----
Total	952	1,206	3,845	5,459	20,362	11,788	13,929	7,321	4,716	3,847	1,529	1,071
Mean	30.1	40.2	124	175	727	380	236	157	124	49.3	49.3	35.7
Cfs/m	0.163	0.217	0.670	0.946	3.93	2.05	2.51	1.28	0.849	0.670	0.266	0.193
In.	0.19	0.24	0.77	1.09	4.09	2.37	2.80	1.47	0.95	0.77	0.31	0.22
Calendar year 1954: Max	4,500			Min 25		Mean 212		Cfs/m 1.15		In. 15.52		
Water year 1954-55: Max	2,660			Min 22		Mean 208		Cfs/m 1.12		In. 15.27		

Peak discharge (base, 3,600).--No peak above base.

* Discharge measurement made on this day.

d Doubtful gage-height records; discharge estimated on basis of records for stations on nearby streams.

Big Canoe Creek near Gadsden, Ala.

Location (revised).--Lat 33°54'11", long 86°06'37", in NW $\frac{1}{4}$ sec. 15, T. 13 S., R. 5 E., near left bank on downstream side of pier of U. S. Highway 411, 400 ft downstream from Rook Creek, 5 miles upstream from mouth, and 10 miles southwest of Gadsden.

Drainage area.--256 sq mi (revised).

Records available.--January 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 490.56 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Sept. 20, 1939, staff gage at datum 2.24 ft higher. Sept. 20, 1939, to Mar. 15, 1944, staff gage, and Mar. 16, 1944, to Dec. 13, 1948, wire-weight gage, at present site and datum. Auxiliary gages used in earlier years have been discontinued.

Average discharge.--16 years (1939-55), 424 cfs.

Extremes.--Maximum discharge during year, 6,690 cfs Feb. 6 (gage height, 15.94 ft); minimum, 10 cfs Oct. 19 (gage height, 2.07 ft).

1938-55: Maximum discharge, 37,900 cfs Dec. 29, 1942 (gage height, 29.1 ft, from high-water mark), from rating curve extended above 18,000 cfs on basis of runoff for stations on nearby streams; minimum daily since Oct. 1, 1945, 10 cfs Oct. 10, 22, Nov. 1, 1948; minimum not determined prior to Oct. 1, 1945.

Remarks.--Records good except those for periods of backwater from Coosa River, which are fair, and those for periods of no gage-height, which are poor.

Rating table, water year 1954-55, except periods of backwater from Coosa River (gage height, in feet, and discharge, in cubic feet per second)

2.1	11	4.5	497
2.2	14	7.0	1,260
2.4	24	10.0	2,440
2.7	44	13.0	4,050
3.0	80	16.0	6,800
3.5	189		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	14	62	1,870	211	386	258	158	241	40	115	21
2	12	*14	43	1,340	208	513	633	151	179	39	66	20
3	12	13	34	820	211	396	1,320	146	139	39	50	19
4	11	14	30	448	181	318	481	137	110	38	43	18
5	11	16	32	366	179	291	369	130	93	38	38	18
6	11	18	42	309	4,600	273	465	117	85	40	35	17
7	12	20	92	267	6,030	334	964	107	79	43	33	16
8	140	20	67	230	5,810	285	1,050	99	75	*51	*32	15
9	32	19	54	213	3,430	224	576	94	73	226	33	15
10	24	18	65	948	*cl,000	208	544	88	71	138	34	15
11	20	16	85	1,940	c900	205	1,870	82	96	172	32	15
12	16	15	64	1,490	c750	197	1,870	77	81	62	31	14
13	14	14	53	*606	560	184	2,800	80	72	50	36	*14
14	14	14	*49	419	*432	171	3,450	94	70	49	38	14
15	13	14	55	448	399	247	3,180	90	80	54	36	14
16	12	20	51	737	379	205	2,180	95	73	98	33	13
17	12	107	52	497	848	202	992	82	66	76	30	13
18	11	196	214	448	785	200	666	80	60	52	43	12
19	11	61	270	1,680	481	392	461	77	56	45	38	12
20	11	39	141	1,490	416	694	406	73	52	38	34	12
21	12	31	99	765	373	1,150	386	83	50	36	33	12
22	12	28	79	1,080	576	2,910	529	208	48	46	40	12
23	12	26	66	876	2,060	2,580	386	312	55	61	73	12
24	12	24	61	560	1,530	*cl,800	312	184	100	62	47	12
25	12	23	54	448	792	876	267	139	160	51	34	12
26	12	21	49	373	576	694	*241	132	120	51	31	12
27	12	22	45	328	481	576	227	109	130	42	28	12
28	13	24	44	312	419	409	208	88	80	289	27	12
29	14	29	2,970	279	-	360	189	649	56	156	25	13
30	14	55	2,910	247	-----	331	173	*962	45	238	24	13
31	14	-----	2,960	222	-----	288	-----	392	-----	156	22	-----
Total	550	906	10,892	22,054	34,597	17,899	27,273	5,315	2,695	2,576	1,214	429
Mean	17.7	30.2	351	711	1,236	577	909	171	89.8	83.1	39.2	14.3
Cfsm	0.069	0.118	1.37	2.78	4.83	2.25	3.55	0.668	0.351	0.325	0.153	0.056
In.	0.08	0.13	1.58	3.20	5.03	2.60	3.96	0.77	0.39	0.37	0.18	0.06

Calendar year 1954: Max 6,780 Min 11 Mean 245 Cfsm 0.957 In. 13.00
 Water year 1954-55: Max 6,030 Min 11 Mean 346 Cfsm 1.35 In. 18.35
Peak discharge (base, 4,000 cfs).--Dec. 29 (3 p.m.) 4,290 cfs (13.40 ft); Feb. 6 (7 p.m.) 6,690 cfs (15.94 ft).

* Discharge measurement made on this day.

c Backwater from Coosa River.

Note.--No gage-height record June 4 to July 7, Aug. 15 to Sept. 12, Sept. 16-26; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Choccolocco Creek near Jenifer, Ala.

Location.--Lat 33°34', long 85°56', on line between secs. 5 and 8, T. 17 S., R. 7 E., on left bank near upstream side of left abutment of Louisville & Nashville Railroad bridge, three-quarters of a mile upstream from Salt Creek and 1½ miles north of Jenifer.

Drainage area.--281 sq mi (revised).

Records available.--August 1903 to February 1908, May 1929 to March 1932, May 1935 to Sept. 1955.

Gage.--Water-stage recorder. Datum of gage is 554.15 ft above mean sea level, adjustment of 1903. Prior to July 25, 1942, staff gage at same site and datum.

Average discharge.--26 years (1903-7, 1929-31, 1935-55), 391 cfs.

Extremes.--Maximum discharge during year, 6,070 cfs Apr. 14 (gage height, 9.30 ft); minimum daily, 59 cfs Oct. 13, Sept. 12.
1903-8, 1929-32, 1935-55: Maximum discharge, 21,900 cfs Feb. 4, 1936 (gage height, 17.2 ft); minimum daily, 30 cfs Oct. 10, 1931.

Remarks.--Records good except those for periods of shifting control, which are fair. Some diurnal fluctuation caused by milldams above station and diversion from Coldwater Spring (averaging about 12 cfs) for municipal water supply for city of Anniston.

Revisions (water years).--WSP 952: 1904(m). WSP 1204: 1936-39, 1946(P), 1949. WSP 1334: 1906(M), 1930(M).

Rating tables, water year 1954-55, except periods of shifting control (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 14				Apr. 15 to Sept. 30		
1.5	53	3.5	600	1.4	50	3.0 425
1.9	104	4.0	880	1.8	102	4.0 880
2.4	206	6.0	2,320	2.3	207	
3.0	390	9.0	5,650			

Note.--Same as preceding table above 4.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	70	95	396	154	362	290	287	*225	148	173	96
2	61	71	81	645	158	344	376	255	232	148	159	90
3	61	70	78	454	150	358	519	244	197	148	148	88
4	60	*82	76	249	143	327	466	233	200	157	221	93
5	61	85	82	192	143	299	474	230	190	153	186	90
6	61	81	106	167	968	330	*528	223	184	146	140	84
7	60	85	100	154	1,940	478	1,110	215	202	161	138	84
8	61	78	95	141	3,170	560	1,520	210	210	194	134	81
9	61	75	*92	137	1,480	418	1,000	200	197	236	140	81
10	62	74	83	237	555	358	820	192	226	190	148	80
11	61	74	86	456	462	324	1,520	187	348	*180	142	81
12	62	74	88	*398	386	299	2,060	187	299	192	*136	59
13	62	75	90	263	317	278	3,230	190	223	204	136	72
14	62	74	88	206	290	257	5,390	204	204	200	136	71
15	63	73	92	204	272	246	4,740	212	197	197	128	*71
16	65	92	88	243	281	254	2,280	267	197	184	123	61
17	63	81	90	260	605	252	1,060	418	184	182	119	66
18	69	86	178	249	591	260	755	338	182	170	116	68
19	61	86	216	438	*454	355	620	253	177	161	112	60
20	64	86	141	474	376	754	540	225	173	153	110	61
21	64	78	109	348	324	910	548	241	168	175	119	60
22	64	71	95	348	378	1,090	556	366	166	173	100	62
23	65	75	86	330	910	1,240	484	544	161	290	112	66
24	65	73	85	287	1,120	1,000	428	504	161	217	109	63
25	64	74	81	252	820	596	356	418	226	204	104	66
26	65	68	76	214	573	514	358	327	212	241	100	60
27	71	75	74	199	470	442	330	267	173	184	100	61
28	73	86	75	184	406	378	*314	236	164	164	98	63
29	78	102	245	180	-	348	293	299	159	161	94	67
30	74	104	372	167	-----	324	281	284	155	261	99	67
31	73	-----	260	158	-----	305	-----	253	-----	220	119	-----
Total	1,988	2,378	3,603	8,622	17,896	14,258	33,276	8,507	5,972	5,794	3,999	2,172
Mean	64.1	79.3	116	278	639	460	1,109	274	199	187	129	72.4
Cfsm	0.228	0.262	0.413	0.989	2.27	1.64	3.95	0.975	0.708	0.665	0.459	0.258
In.	0.26	0.31	0.48	1.14	2.37	1.89	4.40	1.12	0.79	0.77	0.53	0.29

Calendar year 1954: Max 5,930 Min 56 Mean 237 Cfsm 0.843 In. 11.44
Water year 1954-55: Max 5,390 Min 59 Mean 297 Cfsm 1.06 In. 14.35

Peak discharge (base, 2,000 cfs).--Feb. 8 (12:30 a.m.) 3,920 cfs (7.56 ft); Apr. 14 (5 a.m.) 6,070 cfs (9.30 ft).

* Discharge measurement made on this day.

Note.--Shifting-control method used Oct. 1 to Dec. 29, Aug. 14 to Sept. 30.

Coosa River near Cropwell, Ala.

Location.--Lat 33°30', long 86°14', in SE $\frac{1}{4}$ sec. 33, T. 17 S., R. 4 E., near left bank on downstream side of bridge on State Highway 48, 2 miles downstream from Poorhouse Branch and 4 miles southeast of Cropwell.

Drainage area.--7,690 sq mi, approximately.

Records available.--January 1892 to December 1899 (gage heights only), March 1942 to September 1955. Published as "at lock 5" 1892-99.

Gage.--Wire-weight gage read twice daily. Datum of gage is 420.68 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Corps of Engineers). January 1892 to December 1899 staff gage at site half a mile upstream at different datum. March 1942 to July 1945 staff gage at present site and datum.

Average discharge.--13 years (1942-55), 13,090 cfs.

Extremes.--Maximum discharge during year, 59,200 cfs Feb. 8 (gage height, 13.66 ft, from graph based on gage readings); minimum daily, 1,950 cfs Oct. 28, 29.
1942-55: Maximum discharge, 126,000 cfs Mar. 30, 1951 (gage height, 23.7 ft, from graph based on gage readings); minimum daily, 1,720 cfs Oct. 1-5, 9, 11, 1947.

Remarks.--Records good above and fair below 5,000 cfs. Since December 1949, flow regulated by Allatoona Reservoir (see p. 246) and by hydroelectric plant on Etowah River.

Revisions (water years).--WSP 1032: 1943-44. WSP 1082: 1943, 1946.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 29, June 23 to Aug. 21)

1.7	1,800	7.0	22,900
2.4	4,000	10.0	38,500
3.0	6,080	14.0	61,000
4.0	9,800		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,100	3,020	3,500	19,700	5,010	21,500	7,520	7,900	9,040	3,840	4,670	3,180
2	2,550	3,020	3,020	19,200	5,360	14,800	11,800	7,900	8,660	3,670	4,160	3,180
3	2,700	2,700	3,500	17,400	6,080	12,600	17,900	7,160	8,260	3,670	3,500	3,180
4	2,860	2,400	3,840	13,100	7,520	11,400	18,600	6,440	6,280	3,500	3,180	3,020
5	2,700	2,400	4,000	8,660	7,520	11,000	19,700	6,440	7,520	3,340	4,330	3,180
6	2,700	3,020	3,670	7,520	23,400	11,400	*20,600	6,440	6,440	3,020	4,330	3,020
7	2,400	2,860	3,180	6,440	56,800	13,100	23,400	6,440	5,360	2,860	4,330	3,020
8	2,550	2,860	3,180	5,010	58,600	12,200	27,300	6,080	3,840	3,180	4,000	2,700
9	2,860	2,860	*4,000	5,010	56,200	11,400	28,800	6,080	5,360	4,330	3,500	*2,400
10	3,020	2,700	5,360	7,160	50,600	11,800	27,300	5,360	5,360	5,360	3,340	2,700
11	2,860	2,550	4,330	*10,600	46,800	11,000	27,300	5,010	5,720	*5,360	3,340	2,700
12	2,860	2,550	3,340	11,400	41,200	11,400	27,300	5,010	5,360	5,010	*3,670	2,550
13	2,700	2,860	3,020	12,600	35,800	11,400	34,600	5,010	5,720	4,330	3,670	2,550
14	2,400	2,860	3,180	11,400	24,900	11,400	54,400	5,010	5,360	4,670	3,670	2,400
15	2,400	2,860	2,860	9,420	16,100	10,600	52,600	5,720	5,010	5,010	3,670	2,100
16	2,700	3,180	3,020	8,660	11,000	7,520	50,000	7,160	5,360	5,360	3,500	2,100
17	2,700	3,180	3,020	7,900	*11,400	9,800	42,400	7,520	5,010	5,360	2,700	2,400
18	2,700	2,700	3,020	7,520	12,600	11,000	32,000	9,420	4,670	5,010	3,670	2,550
19	2,860	2,700	4,000	9,800	12,200	11,400	27,600	10,600	4,670	4,670	5,360	2,400
20	2,700	2,860	4,330	11,800	11,400	14,300	19,700	9,420	4,160	4,330	4,670	2,250
21	2,250	2,700	5,720	12,600	10,200	17,400	16,100	9,040	3,840	4,330	4,330	2,250
22	2,250	2,860	6,080	13,500	9,800	34,100	14,800	8,660	3,500	5,010	4,000	2,250
23	2,700	3,020	5,360	13,100	16,500	40,700	14,800	10,600	3,670	5,720	4,160	2,100
24	2,860	3,020	4,160	11,400	22,900	42,900	12,600	14,800	4,000	5,360	3,340	2,550
25	3,020	2,860	3,670	9,420	26,800	40,200	12,600	20,100	4,160	5,360	3,020	2,550
26	2,860	2,700	3,180	8,280	27,800	33,600	11,400	25,400	4,670	5,720	3,670	2,550
27	2,550	3,180	3,020	7,520	27,800	28,300	10,200	24,900	4,160	5,720	3,500	2,400
28	1,950	3,340	2,860	7,520	26,800	22,900	*9,040	20,100	4,000	6,440	3,500	2,400
29	1,950	3,340	3,180	7,520	-	15,700	9,040	*15,700	3,670	6,440	3,340	2,250
30	2,860	3,500	15,200	7,520	-	13,100	8,700	16,500	4,000	6,080	3,340	2,100
31	3,020	-	18,300	6,440	-	10,600	-	11,400	-	5,360	3,340	-
Total	81,590	86,660	142,100	315,120	669,090	540,520	690,700	513,320	158,830	147,420	116,800	76,980
Mean	2,632	2,809	4,584	10,170	23,900	17,440	23,020	16,110	5,294	4,755	3,768	2,566
Cfs/m	0.342	0.376	0.596	1.32	3.11	2.27	2.99	1.31	0.688	0.618	0.490	0.334
In.	0.39	0.42	0.69	1.52	3.24	2.61	3.34	1.52	0.77	0.71	0.58	0.37

Calendar year 1954: Max 68,400 Min 1,950 Mean 9,133 Cfs/m 1.19 In. 16.12
Water year 1954-55: Max 58,600 Min 1,950 Mean 9,148 Cfs/m 1.19 In. 16.14

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Kelly Creek near Vincent, Ala.

Location.--Lat 33°26'50", long 86°23'15", in SW $\frac{1}{4}$ sec. 24, T. 18 S., R. 2 E., on downstream side of left pier of bridge on State Highway 25, 1 $\frac{1}{2}$ miles downstream from Little Creek, $\frac{1}{2}$ miles north of Vincent, and 5 miles upstream from mouth.

Drainage area.--192 sq mi (revised).

Records available.--November 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 404.09 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 10,500 cfs Feb. 7 (gage height, 20.86 ft); minimum, 1.2 cfs Oct. 26.

1951-55: Maximum discharge, that of Feb. 7, 1955; minimum, that of Oct. 26, 1954.

Remarks.--Records good except those below 5 cfs and those for period of backwater from Coosa River, which are fair.

Rating table, water year 1954-55, except period of backwater from Coosa River (gage height, in feet, and discharge, in cubic feet per second)

0.7	1.6	2.5	125
.9	2.6	3.0	228
1.0	3.5	6.0	1,000
1.2	7.2	10.0	2,430
1.3	11	14.0	4,300
1.7	31	17.0	6,400
2.1	65	21.0	10,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	*1.9	4.9	515	136	363	221	99	96	13	85	6.3
2	1.7	1.9	8.2	886	136	317	825	90	72	12	58	5.4
3	1.6	2.0	6.3	509	121	265	686	80	57	11	43	5.0
4	1.6	2.5	5.2	328	102	232	561	75	47	12	47	4.4
5	1.6	2.5	5.4	248	113	210	472	66	40	11	32	4.4
6	1.6	2.1	5.8	191	4,610	206	*535	59	37	*16	26	*4.1
7	1.6	2.1	24	156	*9,710	328	1,460	54	34	29	22	3.6
8	1.6	2.1	*19	121	c5,500	228	1,280	50	35	21	186	3.4
9	1.6	2.0	14	107	c1,200	185	830	46	32	25	548	3.3
10	1.7	2.0	11	*375	*c870	179	886	43	27	224	150	3.2
11	1.7	2.1	13	1,060	748	164	2,520	39	36	257	*77	3.2
12	1.7	2.2	15	640	561	180	2,070	37	40	120	75	3.1
13	1.7	2.1	15	434	410	144	3,180	37	32	71	63	3.1
14	1.7	2.2	16	306	*363	127	5,680	40	27	63	42	3.0
15	1.7	2.4	23	317	340	123	3,060	42	29	50	32	3.0
16	1.7	3.4	20	561	317	125	1,380	44	35	39	25	2.8
17	1.9	18	20	454	802	129	886	55	32	35	22	2.7
18	2.0	26	85	422	654	142	654	46	26	36	34	2.6
19	1.9	13	87	1,180	522	340	509	38	20	27	33	2.6
20	2.0	7.9	57	886	434	881	410	34	18	21	32	2.6
21	2.1	5.4	45	640	363	1,120	496	58	16	20	24	2.6
22	2.0	4.4	37	830	570	3,670	522	194	14	18	24	2.5
23	2.0	3.6	31	654	1,660	3,160	363	174	12	38	22	2.5
24	2.0	3.3	28	509	1,150	*1,210	294	107	26	54	18	2.5
25	2.1	3.0	24	410	802	850	239	154	18	44	14	2.6
26	1.6	2.8	20	317	613	654	193	105	20	45	11	2.5
27	1.7	2.8	19	272	496	472	168	71	16	54	10	2.5
28	1.7	3.3	18	248	422	386	*148	54	30	40	9.4	2.5
29	1.9	3.4	241	208	-	340	133	*267	22	122	7.5	2.6
30	1.9	2.7	535	177	-----	283	112	317	16	224	7.2	2.8
31	1.9	-----	272	152	-----	248	-----	150	-----	170	5.7	-----
Total	55.2	135.1	1,724.8	14,093	31,725	17,221	30,973	2,725	962	1,926	1,785.8	97.4
Mean	1.78	4.50	55.6	455	1,133	556	1,032	87.9	32.1	62.1	57.6	3.25
Cfsm	0.0093	0.023	0.290	2.37	5.90	2.90	5.38	0.458	0.167	0.323	0.300	0.017
In.	0.01	0.03	0.33	2.73	6.14	3.54	6.00	0.53	0.19	0.37	0.34	0.02

Calendar year 1954: Max 6,240 Min 1.6 Mean 185 Cfsm 0.964 In. 13.11
 Water year 1954-55: Max 9,710 Min 1.6 Mean 283 Cfsm 1.47 In. 20.03

Peak discharge (base, 5,000 cfs).--Feb. 7 (12:30 p.m.) 10,500 cfs (20.86 ft); Apr. 14 (1 p.m.) 5,920 cfs (16.40 ft).

* Discharge measurement made on this day.

c Backwater from Coosa River.

Talladega Creek near Talladega, Ala.

Location.--Lat 33°23'20", long 86°06'45", in SW $\frac{1}{4}$ sec. 10, T. 19 S., R. 5 E., near right bank on downstream side of pier of highway bridge, half a mile upstream from Weisinger Branch, 2 miles upstream from U. S. Highway 231 (formerly 241), $2\frac{1}{2}$ miles downstream from Dry Creek, and $3\frac{1}{4}$ miles south of Talladega.

Drainage area.--98.4 sq mi (revised).

Records available.--September 1952 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 500 ft (by barometer).

Extremes.--Maximum discharge, during year, 6,040 cfs Apr. 13 (gage height, 12.60 ft); minimum daily, 0.2 cfs Oct. 11-14.
1952-55: Maximum discharge, that of Apr. 13, 1955; minimum daily, that of Oct. 11-14, 1954.

The flood of March 1951 reached a stage of approximately 19 ft, from floodmarks (discharge, 33,000 cfs, from valley-conveyance study).

Remarks.--Records good above 10 cfs, fair between 2.0 and 10 cfs, and poor below 2.0 cfs. Diurnal fluctuation at low flows caused by diversion of an average of 2.5 cfs for municipal water supply for city of Talladega.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 16 to Dec. 6)

0.4	0.2	2.0	114
.5	.8	2.5	214
.6	2.3	5.0	350
.7	4.5	4.0	700
.9	11	6.0	1,650
1.2	26	9.0	3,400
1.6	60		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	*1.0	9.2	283	42	119	94	95	95	28	49	15
2	1.8	.8	7.1	324	40	106	207	92	79	27	41	14
3	1.6	1.2	6.8	133	39	94	276	87	68	26	32	12
4	1.4	1.9	6.8	88	35	87	176	83	61	27	27	10
5	1.3	1.6	6.9	66	32	80	178	80	57	30	39	12
6	1.2	1.6	28	53	805	94	222	75	54	30	57	12
7	1.0	1.6	28	43	*772	191	1,330	71	75	27	52	11
8	.5	1.6	*17	39	281	133	580	68	63	35	70	11
9	.4	1.4	15	35	180	111	317	66	50	*30	69	8.8
10	.3	1.4	19	130	135	104	358	62	82	39	42	7.4
11	.2	2.1	18	*243	135	98	1,480	57	268	35	*31	7.1
12	.2	2.5	15	124	106	88	760	55	117	53	32	9.6
13	.2	2.5	17	90	88	79	3,160	58	83	60	32	9.6
14	.2	2.5	24	68	81	74	2,670	61	71	83	27	*8.5
15	.3	2.6	19	64	75	72	760	59	91	58	22	8.1
16	.3	3.3	15	165	86	70	458	81	92	46	20	7.8
17	.4	1.6	16	151	658	68	341	80	67	41	20	6.8
18	.4	1.4	90	126	*323	72	281	64	56	34	17	4.7
19	.4	1.4	62	309	207	245	236	62	50	29	16	5.0
20	.5	1.4	36	182	157	835	207	74	53	38	16	4.7
21	.6	1.4	26	133	131	*492	207	129	46	50	38	5.0
22	.6	4.1	23	155	148	784	198	178	42	56	25	5.3
23	.6	5.9	20	128	458	410	171	212	39	54	23	5.0
24	.5	4.7	18	103	295	260	157	191	39	46	20	4.7
25	.7	4.7	19	84	239	202	142	189	44	57	18	5.9
26	.6	5.0	16	72	184	176	131	128	47	42	16	8.8
27	.6	5.6	15	62	155	140	*124	97	55	39	13	9.2
28	.9	10	18	58	135	126	117	79	40	45	14	9.6
29	1.2	18	238	32	-	117	109	*236	35	48	14	9.6
30	1.3	15	135	47	-	108	101	205	32	101	13	9.6
31	1.2	-----	69	44	-----	98	-----	126	-----	66	17	-----
Total	23.7	109.8	1,052.8	3,654	6,022	5,733	15,548	3,198	2,051	1,380	922	257.8
Mean	0.76	3.66	34.0	118	215	185	518	103	68.4	44.5	29.7	8.59
Cfsm	0.0077	0.037	0.346	1.20	2.18	1.88	5.26	1.05	0.695	0.452	0.302	0.087
In.	0.009	0.04	0.40	1.38	2.28	2.17	5.88	1.21	0.78	0.52	0.35	0.10
Calendar year 1954: Max	613	Min	0.2	Mean	50.6	Cfsm	0.514	In.	7.00			
Water year 1954-55: Max	3,160	Min	0.2	Mean	109	Cfsm	1.11	In.	15.12			

Peak discharge (base, 2,000 cfs).--Apr. 13 (5:30 p.m.) 6,040 cfs (12.60 ft).

* Discharge measurement made on this day.

Coosa River at Childersburg, Ala.

Location.--Lat 33°17', long 86°22', in NE¹ sec. 18, T. 20 S., R. 3 E., on downstream side of second masonry pier from right bank of Central of Georgia Railway bridge, 700 ft upstream from bridge on State Highway 91, half a mile downstream from Tallasseehathee Creek, and 1 mile northwest of Childersburg.

Drainage area.--8,390 sq mi, approximately.

Records available.--February 1914 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 382.45 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Alabama Power Co.). Prior to Oct. 1, 1915, at datum 0.10 ft lower.

Average discharge.--38 years (1917-55), 13,720 cfs.

Extremes.--Maximum discharge during year, 72,800 cfs Apr. 14 (gage height, 18.50 ft); minimum, 2,110 cfs Oct. 15 (gage height, 1.41 ft).
1914-55: Maximum discharge, 146,000 cfs Mar. 30, 31, 1951 (gage height, 30.1 ft); minimum, 1,800 cfs in September 1925.

Remarks.--Records good. Since December 1949, flow regulated by Allatoona Reservoir (see p. 246) and by hydroelectric plant on Etowah River.

Cooperation.--Records collected by Alabama Power Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 29, July 20 to Sept. 30)

1.5	2,090	13.0	44,800
3.0	5,950	18.0	70,100
7.0	19,200		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,300	3,150	*3,200	19,200	6,400	23,300	11,600	9,370	11,600	4,690	5,670	3,390
2	2,540	3,020	3,000	19,600	5,670	17,400	13,300	9,370	10,300	4,420	5,110	3,250
3	2,950	2,900	2,980	18,100	5,670	14,300	18,500	8,730	10,300	4,290	4,550	3,220
4	3,100	2,780	3,510	15,300	7,770	13,000	19,900	7,770	9,690	4,030	4,160	3,200
5	*3,200	2,540	3,510	12,000	8,730	12,000	19,900	7,150	9,050	4,030	4,970	3,100
6	2,880	2,880	3,380	9,370	19,100	12,300	21,400	7,150	8,410	3,900	5,110	3,050
7	2,570	3,120	3,250	7,450	59,100	14,000	25,600	6,850	6,850	3,640	4,830	3,000
8	2,300	3,100	3,200	6,250	*63,900	14,000	30,100	6,850	5,670	3,510	4,970	2,800
9	2,680	3,000	3,250	5,810	57,800	13,000	29,200	6,550	5,390	4,830	5,390	2,520
10	2,980	2,950	4,830	6,850	51,200	13,000	28,400	6,250	6,250	5,950	4,550	2,520
11	3,000	2,750	5,110	11,000	45,800	13,000	32,700	5,810	7,150	6,700	4,030	2,640
12	2,950	2,500	4,290	12,600	41,900	12,600	32,200	5,390	7,150	*6,550	4,290	2,590
13	2,880	2,660	3,640	13,400	36,300	12,600	38,100	5,530	6,550	5,810	4,420	2,540
14	2,700	2,850	3,380	*13,000	28,800	12,300	68,600	5,670	6,250	5,530	4,290	2,500
15	2,260	2,820	3,250	11,000	18,500	11,600	*62,400	5,670	5,810	5,670	4,290	2,430
16	2,410	3,080	3,180	10,000	13,000	10,300	53,700	6,850	5,810	6,250	4,160	2,280
17	2,700	3,220	3,020	9,690	13,600	10,300	45,800	8,730	6,100	6,400	3,900	2,390
18	2,750	3,000	3,200	9,050	15,000	11,600	38,600	10,000	5,530	6,100	3,640	2,520
19	2,750	2,640	3,510	10,600	14,300	12,300	31,400	12,000	5,250	5,530	5,250	2,520
20	2,730	2,680	4,030	13,600	13,600	16,000	22,900	11,300	5,110	5,110	5,950	*2,520
21	2,570	2,810	5,250	14,300	12,000	19,600	19,600	10,600	4,690	4,970	5,390	2,480
22	2,280	2,570	6,550	14,600	11,300	28,400	19,600	10,300	4,290	5,810	4,830	2,340
23	2,480	2,810	6,250	14,600	17,000	*41,500	17,400	11,600	4,030	6,850	4,550	2,220
24	2,780	2,730	5,110	13,600	22,900	42,400	14,600	11,000	4,290	6,850	4,030	2,220
25	2,980	2,700	4,030	12,000	26,400	40,500	14,300	*19,200	4,550	6,100	3,250	2,410
26	3,020	2,570	3,510	10,300	27,200	34,000	13,600	22,900	4,970	6,550	3,510	2,520
27	2,950	3,000	3,080	9,050	27,600	29,200	12,300	24,400	5,390	6,550	4,290	*2,520
28	2,700	3,380	2,980	8,410	26,800	25,200	11,000	21,000	4,970	6,550	3,900	2,480
29	2,450	3,380	3,380	8,410	---	19,200	10,300	18,500	4,830	8,090	3,510	2,410
30	2,700	3,250	9,640	8,410	---	15,000	10,000	17,000	4,690	7,450	3,250	2,260
31	3,000	---	18,700	7,770	---	13,000	---	14,300	---	6,850	3,380	---
Total	84,540	86,440	137,200	355,320	697,340	576,900	787,000	333,790	190,920	175,560	137,420	78,630
Mean	2,727	2,881	4,426	11,460	24,900	18,610	26,230	10,770	6,364	5,663	4,433	2,628
Cfs/m	0.325	0.343	0.528	1.37	2.97	2.22	3.13	1.28	0.759	0.675	0.528	0.313
In.	0.37	0.38	0.61	1.58	3.10	2.56	3.49	1.48	0.85	0.78	0.61	0.35
Calendar year 1954: Max	71,200											
Water year 1954-55: Max	68,600											
Min	2,050											
Mean	9,559											
Cfs/m	1.14											
In.	1.19											

* Discharge measurement made on this day.

Yellowleaf Creek near Wilsonville, Ala.

Location.--Lat 33°18', long 86°33', in NW $\frac{1}{4}$ sec. 9, T. 20 S., R. 1 E., on upstream side of right pier of highway bridge, $\frac{3}{4}$ miles south of State Highway 91, 4 miles upstream from Muddy Prong, and 6 miles northwest of Wilsonville.

Drainage area.--97.2 sq mi (revised).

Records available.--December 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 430.56 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 3,210 cfs Apr. 14 (gage height, 18.60 ft); no flow Oct. 3-28, Nov. 7-10, 21-29.

1950-55: Maximum discharge, 19,300 cfs Mar. 29, 1951 (gage height, 23.85 ft), from rating curve extended above 5,700 cfs on basis of area-velocity determination of peak flow; no flow July 31, Aug. 1, 3-6, 1952, Oct. 3-28, Nov. 7-10, 21-29, 1954.

Remarks.--Records good above 30 cfs, fair between 10 and 30 cfs, and poor below 10 cfs.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 29)

Oct. 1 to Dec. 31				Jan. 1 to Sept. 30			
2.9	0	3.3	5.6	2.7	0	3.8	41
3.0	.6	3.5	13	2.8	.2	4.5	95
3.1	1.7	3.9	36	2.9	1.2	7.0	365
3.2	3.3	4.5	84	3.0	2.6	12.0	1,110
				3.1	5.1	18.0	2,870
				3.2	9.0		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	*0.2	0.1	218	58	173	104	51	173	2.3	23	al.3
2	.1	.5	.7	391	57	148	480	44	116	1.9	20	al.2
3	0	.2	.9	210	53	123	640	37	84	1.7	16	al.1
4	0	.5	.7	131	44	108	404	33	63	al.6	12	al.0
5	0	.3	1.0	96	48	97	299	29	49	2.3	9.5	al.0
6	0	.1	1.7	75	1,110	90	270	26	40	*28	7.7	*.9
7	0	0	1.3	61	*2,670	117	760	24	40	31	5.8	.8
8	0	0	*1.6	49	2,070	89	806	22	42	55	141	.6
9	0	0	2.6	42	1,020	72	598	20	29	58	111	.7
10	0	0	2.3	*115	486	68	528	17	28	64	35	.6
11	0	.1	2.1	287	365	69	1,150	15	50	48	*26	.7
12	0	.1	2.4	204	276	64	1,430	14	41	55	27	.8
13	0	.1	2.4	148	210	58	1,680	11	26	47	19	.7
14	0	.1	2.1	108	*183	54	2,870	13	24	86	13	.6
15	0	.1	2.8	103	173	49	2,340	20	27	64	8.5	.5
16	0	2.3	2.6	242	158	47	1,110	36	28	40	6.5	.4
17	0	2.4	3.5	220	293	47	612	48	27	43	5.1	.3
18	0	1.8	6.8	218	264	48	391	32	20	31	5.4	.2
19	0	.5	9.0	486	215	175	293	23	13	26	5.8	.2
20	0	.2	3.5	391	188	603	237	20	5.8	18	4.2	.2
21	0	0	2.0	281	163	*870	259	37	3.7	14	3.2	.1
22	0	0	1.2	317	262	822	317	156	2.8	16	2.8	.1
23	0	0	.9	252	700	685	215	168	2.4	89	2.8	.1
24	0	0	.7	204	612	444	178	512	2.3	70	a2.6	.1
25	0	0	.4	163	417	329	148	612	2.1	36	2.4	.2
26	0	0	.3	132	299	281	117	404	2.6	36	a2.2	.1
27	0	0	.1	114	237	215	100	204	2.8	37	a2.0	.1
28	0	0	.2	104	198	173	*88	128	2.6	28	al.8	.2
29	.1	0	7.6	89	-	153	76	*411	3.0	21	al.6	.1
30	.1	.1	53	76	-----	133	61	500	3.0	38	al.5	.1
31	.1	-----	35	65	-----	115	-----	287	-----	33	al.4	-----
Total	0.7	9.4	151.3	5,592	12,829	6,519	18,561	3,954	953.1	1,121.8	525.8	15.0
Mean	0.023	0.313	4.88	180	458	210	619	128	31.8	36.2	17.0	0.50
Cfsm	0.00024	0.0032	0.050	1.85	4.71	2.16	6.37	1.32	0.327	0.372	0.175	0.0051
In.	0.0003	0.004	0.06	2.14	4.91	2.49	7.10	1.51	0.36	0.43	0.20	0.006

Calendar year 1954: Max 1,030 Min 0 Mean 69.6 Cfsm 0.719 In. 9.76
Water year 1954-55: Max 2,870 Min 0 Mean 138 Cfsm 1.42 In. 19.21

Peak discharge (base, 1,500 cfs).--Feb. 7 (1:30 p.m.) 2,920 cfs (18.06 ft); Apr. 14 (10 a.m.) 5,210 cfs (18.60 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Kelly Creek near Vincent.

MOBILE RIVER BASIN

Hatchet Creek near Rockford, Ala.

Location.--Lat 32°57', long 86°13', in NW $\frac{1}{4}$ sec. 31, T. 23 N., R. 19 E., near left bank on downstream side of pier of highway bridge, 1 mile downstream from State Highway 11, $\frac{1}{2}$ miles downstream from Socapatoy Creek, and 4 miles north of Rockford.

Drainage area.--244 sq mi (revised).

Records available.--October 1944 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 450 ft (from topographic map). Prior to Dec. 9, 1944, wire-weight gage at same site and datum.

Average discharge.--11 years, 371 cfs.

Extremes.--Maximum discharge during year, 11,400 cfs Apr. 13 (gage height, 18.82 ft); minimum, 7 cfs Oct. 5 (gage height, -0.59 ft).
1944-55: Maximum discharge, 22,800 cfs Jan. 6, 1946 (gage height, 24.9 ft); minimum, that of Oct. 5, 1954.

Remarks.--Records good except those above 5,000 cfs and those below 10 cfs, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 28 to Dec. 5, and July 22 to Aug. 5)

Oct. 1 to Feb. 5

Feb. 6 to Sept. 30

-0.6	7	0.8	158	-0.1	25	3.0	700
-.5	11	2.0	436	.2	55	7.0	2,300
-.2	30	4.0	1,080	.7	125	12.0	4,800
.2	69			1.5	285	15.0	6,700

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*12	12	45	737	120	251	189	285	357	109	236	168
2	11	13	40	715	120	230	332	283	292	109	189	98
3	8	12	36	332	114	205	450	260	251	109	160	83
4	8	20	32	218	105	199	320	253	221	109	142	77
5	8	32	47	*168	108	185	274	244	211	106	142	76
6	8	29	115	148	*2,300	183	506	238	215	104	123	76
7	8	25	68	124	2,320	255	1,940	225	332	115	117	75
8	8	23	51	112	670	215	1,550	217	236	164	146	67
9	8	22	56	108	*436	185	640	209	199	128	209	61
10	8	22	68	129	332	179	636	197	242	132	162	56
11	8	21	55	492	296	181	3,250	191	506	130	125	57
12	8	20	53	291	267	171	1,550	185	332	185	119	*68
13	8	22	70	208	225	160	5,330	181	242	274	128	62
14	8	22	69	162	211	155	6,300	181	215	260	109	55
15	8	24	58	153	201	149	1,800	181	283	177	102	55
16	8	41	51	408	199	147	1,080	199	271	151	94	52
17	8	69	61	382	938	*147	819	264	211	173	93	48
18	9	52	252	342	595	142	670	211	181	128	93	44
19	8	40	156	835	395	244	*580	221	166	111	90	41
20	8	32	102	464	320	972	535	207	*164	103	90	38
21	8	31	79	320	276	904	565	301	158	253	93	37
22	8	29	70	382	264	1,080	535	1,320	144	372	96	33
23	8	30	64	308	640	700	464	1,060	142	357	106	32
24	8	29	58	248	520	464	422	1,310	151	357	97	32
25	8	27	57	208	450	357	382	1,190	142	357	88	36
26	8	27	53	177	357	320	370	*535	146	297	81	47
27	9	29	52	162	303	267	357	370	156	452	81	46
28	*11	56	54	155	274	240	332	299	134	*236	79	41
29	13	*105	289	141	-	227	320	1,320	128	294	74	40
30	13	58	332	131	-	209	303	853	117	640	153	40
31	11	-----	169	124	-----	199	-----	478	-----	296	326	-----
Total	273	972	2,762	8,884	13,356	9,522	32,601	13,468	6,545	6,788	3,942	1,741
Mean	8.8	32.4	89.1	287	477	307	1,087	434	218	219	127	58.0
Cfs/m	0.036	0.133	0.365	1.18	1.95	1.26	4.45	1.78	0.893	0.898	0.520	0.238
In.	0.04	0.15	0.42	1.35	2.04	1.45	4.97	2.05	1.00	1.03	0.60	0.27

Calendar year 1954: Max 1,460 Min 8 Mean 171 Cfs/m 0.701 In. 9.52
Water year 1954-55: Max 6,300 Min 8 Mean 276 Cfs/m 1.13 In. 15.37

Peak discharge (base, 3,500 cfs).--Feb. 6 (7 p.m.) 4,920 cfs (12.25 ft); Apr. 11 (7:30 a.m.) 4,100 cfs (10.85 ft); Apr. 13 (10 p.m.) 11,400 cfs (18.82 ft).

* Discharge measurement made on this day.

Weogufka Creek near Weogufka, Ala.

Location.--Lat 32°59', long 86°18', in NE¼ sec. 18, T. 23 N., R. 18 E., near right bank on downstream side of pier of bridge on county road, 2 miles south of Weogufka and 6 miles upstream from Phinikochika Creek.

Drainage area.--73.6 sq mi (revised).

Records available.--December 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 593.08 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 5,100 cfs Apr. 14 (gage height, 12.30 ft); no flow Oct. 1-9, 16, 17.

1950-55: Maximum discharge, 24,200 cfs Mar. 29, 1951 (gage height, 16.8 ft); no flow Sept. 29 to Oct. 9, Oct. 16, 17, 1954.

Remarks.--Records good above 50 cfs, fair between 10 and 50 cfs, and poor below 10 cfs.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 19 to Nov. 22, Apr. 15 to May 25, Aug. 31 to Sept. 30)

1.7	0	3.5	103
1.8	1.2	4.5	232
2.0	4.2	6.0	514
2.3	9.6	8.0	1,110
2.5	18	9.0	1,580
2.7	30	10.0	2,240
3.0	54	11.0	3,220

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*0	0.5	3.6	158	25	72	53	63	88	16	53	16
2	0	.9	4.1	168	26	66	423	60	70	22	34	9.6
3	0	.8	3.6	68	24	58	232	55	60	36	25	8.1
4	0	1.5	3.5	42	22	55	129	53	52	21	20	7.2
5	0	1.7	4.4	32	23	51	116	51	46	18	28	6.8
6	0	1.4	7.7	*27	526	59	127	49	45	18	19	6.8
7	0	1.1	6.5	22	697	96	680	44	57	19	15	6.8
8	0	1.1	5.8	19	157	63	331	43	44	29	15	6.3
9	0	1.1	6.2	18	*100	53	163	39	37	22	18	5.7
10	.8	.9	5.7	54	77	50	219	36	75	18	14	5.2
11	.7	1.2	5.5	156	80	50	1,520	34	186	26	13	4.9
12	.5	1.5	5.7	65	61	48	492	32	71	62	18	*4.7
13	.3	1.7	6.8	42	48	45	2,230	51	50	39	14	4.9
14	.5	1.2	6.8	31	43	39	2,980	31	44	45	11	4.5
15	.3	1.5	6.3	31	42	37	490	32	78	27	9.8	4.4
16	0	6.1	5.5	161	61	38	273	34	72	25	9.6	4.1
17	0	3.0	7.6	110	460	*36	210	42	46	31	9.3	4.1
18	.7	1.8	39	115	170	36	176	34	38	20	9.3	3.6
19	.8	1.7	17	256	114	110	*150	33	33	14	9.8	6.3
20	.7	1.7	9.6	110	87	382	132	42	*31	12	12	6.0
21	.8	1.7	7.5	77	72	240	163	77	28	14	9.6	4.4
22	.9	1.7	6.7	121	122	264	157	228	25	217	8.3	3.3
23	.9	2.0	6.3	80	318	147	120	125	24	237	7.9	2.9
24	.8	2.0	6.0	60	176	111	107	190	23	189	9.6	2.7
25	.8	2.0	5.7	48	139	93	92	380	23	171	8.3	2.9
26	.8	2.1	5.5	39	105	87	86	*115	36	69	7.2	3.0
27	.8	2.7	5.5	36	89	72	81	72	35	72	7.0	3.5
28	*.8	5.5	6.3	35	80	66	77	56	26	*51	6.8	3.8
29	1.2	*5.2	374	31	-	62	74	755	22	65	6.7	3.3
30	.5	3.5	109	28	-----	58	68	453	19	111	6.3	3.0
31	.3	-----	43	27	-----	55	-----	129	-----	52	42	-----
Total	13.9	60.8	736.4	2,267	3,944	2,697	12,151	3,418	1,484	1,768	476.5	158.8
Mean	0.45	2.03	23.8	73.1	141	87.0	405	110	49.5	57.0	15.4	5.29
Cfsm	0.0061	0.028	0.323	0.993	1.92	1.18	5.50	1.49	0.673	0.774	0.209	0.072
In.	0.007	0.03	0.37	1.15	1.99	1.36	6.14	1.73	0.75	0.89	0.24	0.08
Calendar year 1954: Max	485	Min	0	Mean	41.7	Cfsm	0.567	In.	7.69			
Water year 1954-55: Max	2,980	Min	0	Mean	79.9	Cfsm	1.09	In.	14.74			

Peak discharge (base, 2,000 cfs).--Apr. 14 (12:30 a.m.) 5,100 cfs (12.30 ft).

* Discharge measurement or observation of no flow made on this day.

Sofkahatchee Creek near Wetumpka, Ala.

Location.--Lat 32°41', long 86°07', in NW $\frac{1}{4}$ sec. 36, T. 20 N., R. 19 E., near right bank on upstream side of concrete pier of highway bridge, 2 miles west of Central, and 11 miles northeast of Wetumpka.

Drainage area.--5.1 sq mi, approximately.

Records available.--October 1953 to September 1955.

Gage.--Water-stage recorder. Concrete control since Oct. 24, 1953. Altitude of gage is 440 ft (by barometer).

Extremes.--Maximum discharge during year, 410 cfs Feb. 6 (gage height, 4.20 ft); minimum daily, 0.02 cfs Oct. 3-5.
1953-55: Maximum discharge, that of Feb. 6, 1955; minimum daily, 0.02 cfs Sept. 25, Oct. 3-5, 1954.
Maximum stage since Oct. 4, 1951, 6.35 ft Apr. 30, 1953 (discharge, 802 cfs).

Remarks.--Records good except those below 0.5 cfs, which are fair, and those for periods Oct. 26-31, Nov. 13-19, which are poor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.4	0.02	1.1	10
.5	.22	1.4	24
.6	.76	1.7	45
.7	1.7	2.1	86
.8	3.0	2.5	136
.9	4.6		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.03	*0.28	0.76	1.6	2.3	3.8	3.6	3.2	3.0	1.4	2.3	2.1
2	.03	.26	.76	6.2	2.3	3.6	4.5	3.0	2.6	1.4	2.0	1.3
3	.02	.30	.76	3.6	2.1	3.5	3.8	2.8	2.3	1.4	1.7	1.1
4	*.02	.89	.76	2.8	2.0	3.5	3.6	2.7	2.1	1.4	1.4	1.1
5	.02	.76	.92	2.4	2.5	3.3	3.8	2.7	2.1	1.4	1.4	1.1
6	.11	.43	.92	2.1	*65	3.6	3.8	2.6	2.6	*3.2	1.4	1.1
7	.30	.43	.76	1.9	1.6	3.5	16	2.4	*2.8	4.5	1.4	.92
8	*.15	.49	*.76	1.8	8.8	*3.2	7.3	2.3	2.1	2.1	1.8	.76
9	.15	.49	1.1	1.7	6.2	3.0	5.7	2.1	1.9	2.0	1.4	.69
10	.15	.49	.84	2.6	5.0	3.0	16	*2.0	3.8	2.1	1.2	.69
11	.12	.49	.76	2.4	4.3	3.0	34	2.0	3.2	2.3	1.5	.76
12	.12	.49	1.0	2.1	3.8	2.8	13	1.9	2.3	3.0	1.4	.69
13	.15	.55	1.2	1.9	3.6	2.7	133	2.0	2.1	6.6	1.3	.69
14	.12	.84	.92	1.8	*3.5	2.7	43	1.9	2.1	3.3	1.1	.62
15	.12	1.0	.92	2.0	3.3	2.7	18	1.9	4.8	2.4	1.1	.69
16	.22	1.4	.84	4.6	5.2	2.7	12	2.1	3.0	1.9	1.1	.55
17	.22	.92	2.9	3.6	17	2.6	9.4	2.1	2.3	1.7	1.1	.49
18	.22	.69	2.7	10	7.9	2.6	*6.2	1.9	2.0	1.6	*1.1	.43
19	.22	.62	1.4	*8.8	5.9	7.6	7.0	1.7	2.0	1.4	.92	.38
20	.18	.62	1.2	5.0	5.0	24	6.4	2.6	1.9	1.4	1.2	*.34
21	.15	.69	1.1	4.6	4.6	10	6.2	3.0	1.7	1.7	1.1	.34
22	.15	.69	1.1	5.2	4.9	11	5.5	2.4	1.6	2.0	1.0	.34
23	.12	.76	1.0	4.0	5.2	7.0	5.5	2.8	1.4	4.0	.92	.34
24	.12	.76	1.0	3.6	4.8	5.7	5.0	2.2	1.4	4.4	.84	.34
25	.15	.76	.92	3.3	4.5	*5.0	4.6	7.3	1.4	3.0	.76	.43
26	.15	.76	.92	3.0	4.3	4.3	4.3	4.0	5.2	1.5	.76	.43
27	.12	1.1	1.0	2.8	4.1	4.1	4.1	3.0	3.9	6.8	.76	.43
28	.15	1.4	1.2	2.7	4.0	4.1	3.8	2.7	2.1	4.2	.69	.43
29	.22	1.4	*2.1	2.4	-	4.0	3.6	8.9	1.8	*3.3	.55	.43
30	.18	.76	1.4	2.4	-----	3.8	3.3	4.6	1.6	3.0	.55	.38
31	.26	-----	1.7	2.3	-----	3.8	-----	3.6	-----	2.7	9.1	-----
Total	4.44	21.30	35.62	119.6	208.1	150.2	398.0	110.2	73.1	96.6	44.85	20.39
Mean	0.143	0.710	1.15	3.86	7.43	4.84	13.3	3.55	2.44	3.12	1.45	0.680
Cfsm	0.028	0.139	0.225	0.757	1.46	0.949	2.61	0.696	0.478	0.612	0.284	0.133
In.	0.03	0.16	0.26	0.87	1.52	1.10	2.90	0.80	0.53	0.70	0.33	0.15
Calendar year 1954: Max	37				Min 0.02	Mean 3.03	Cfsm 0.594	In. 8.07				
Water year 1954-55: Max	133				Min 0.02	Mean 3.51	Cfsm 0.688	In. 9.35				

Peak discharge (base, 400 cfs), --Feb. 6 (11 a.m.) 410 cfs (4.20 ft).

* Discharge measurement made on this day.

Coosa River at Jordan Dam, near Wetumpka, Ala.

Location.--Lat 32°37', long 86°15', in S½ sec. 22, T. 19 N., R. 18 E., on right bank half a mile downstream from Jordan Dam, 4 miles upstream from Corn Creek, 5½ miles northwest of Wetumpka, and 12 miles upstream from confluence with Tallapoosa River.

Drainage area.--10,200 sq mi, approximately.

Records available.--July 1912 to September 1914, December 1925 to September 1955. Prior to October 1936, published as "at lock 18, near Wetumpka."

Gage.--Water-stage recorder. Datum of gage is 141.6 ft above mean sea level (levels by Alabama Power Co.). July 1912 to September 1914, staff and slope gages at site a quarter of a mile upstream at different datum.

Average discharge.--31 years (1912-14, 1926-55), 16,020 cfs.

Extremes.--Maximum discharge during year, 142,000 cfs Apr. 13 (gage height, 30.2 ft); minimum daily, 112 cfs Sept. 25.
1912-14, 1925-55: Maximum discharge, 298,000 cfs Apr. 8, 1938 (gage height, 46.4 ft); computed on basis of powerplant records and flow over spillway; minimum daily, 54 cfs Oct. 15, 1938.

Remarks.--Records good except those for period of no gage-height record and those for period of backwater, which are fair. Flow regulated by several upstream reservoirs (see p. 246) and hydroelectric plants.

Cooperation.--Records collected by Alabama Power Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1954-55, except period of backwater (gage height, in feet, and discharge, in cubic feet per second)

2.0	112	6.0	2,700
2.2	124	7.0	4,400
2.4	152	9.0	9,540
2.8	264	11.0	17,000
3.4	528	16.0	43,500
4.0	862	27.0	115,000
5.0	1,580		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,180	4,330	3,710	14,500	10,100	29,700	17,000	10,000	17,500	4,090	9,830	5,050
2	141	3,670	2,990	19,500	8,070	25,200	18,100	12,200	15,300	4,560	9,850	4,090
3	2,180	3,280	3,750	16,900	8,770	21,100	20,600	10,900	15,100	4,010	7,230	3,180
4	3,800	3,060	3,730	16,400	12,600	18,200	22,000	10,600	10,600	4,500	3,460	3,590
5	3,670	3,600	4,050	16,700	4,250	16,200	23,500	9,630	10,100	6,080	6,200	3,040
6	3,690	1,680	4,420	16,000	15,400	19,500	25,600	9,030	9,360	6,130	4,090	4,500
7	4,160	2,280	5,050	15,700	54,800	18,900	33,700	6,830	9,470	6,200	3,770	3,320
8	2,830	4,440	4,530	11,200	70,700	16,500	*42,000	4,900	7,990	5,250	5,940	2,960
9	146	3,960	4,340	7,200	60,300	16,700	35,700	9,660	9,060	4,690	6,570	2,920
10	2,040	2,370	5,440	*12,600	*57,500	17,000	35,000	10,200	8,220	4,610	6,790	140
11	3,720	2,950	4,200	15,300	52,000	17,000	60,000	6,760	13,300	7,780	6,710	3,180
12	3,490	3,240	3,870	15,500	47,800	16,100	48,900	7,470	9,370	7,530	8,160	4,940
13	3,230	1,380	5,330	16,000	39,300	15,600	83,800	5,900	8,280	7,000	7,070	4,460
14	4,350	1,920	6,190	15,700	36,400	16,700	611,000	4,730	7,890	*7,130	5,090	3,550
15	3,060	2,950	3,860	12,600	27,700	16,700	674,700	5,220	5,630	6,940	5,590	*2,590
16	1,490	3,750	5,430	7,680	21,200	11,700	62,900	8,870	7,360	7,350	4,580	2,090
17	2,570	3,860	5,650	7,720	23,600	12,900	56,000	9,720	8,360	6,110	4,270	132
18	4,530	4,900	5,540	14,000	23,300	10,800	47,000	12,300	7,880	8,170	3,400	2,710
19	4,190	2,490	4,400	15,100	22,300	12,300	40,100	13,300	6,590	7,740	4,030	3,320
20	2,300	3,310	5,320	16,100	20,800	14,200	31,800	14,900	7,490	7,890	4,520	2,440
21	1,520	4,040	6,340	16,300	18,500	19,700	25,700	17,900	7,770	8,560	4,820	2,290
22	1,550	3,270	8,660	17,200	17,100	21,800	24,800	9,430	7,090	9,060	4,200	2,500
23	1,520	1,670	7,150	20,300	19,200	36,700	23,500	18,400	4,010	7,070	4,790	2,210
24	2,400	2,960	5,230	19,300	21,500	46,300	21,400	20,300	3,970	7,630	6,420	133
25	3,510	2,230	3,800	16,200	26,300	45,300	41,300	20,300	6,850	7,830	4,440	112
26	3,570	4,280	4,040	15,800	27,200	41,700	41,700	*20,500	4,760	8,760	4,730	3,070
27	2,260	3,300	5,030	11,200	29,400	34,300	414,700	20,800	4,680	10,400	3,420	2,350
28	1,860	3,950	2,450	8,050	30,400	30,700	12,600	22,300	6,660	10,900	3,880	5,880
29	2,500	3,580	9,670	6,970	-	25,900	12,400	23,400	5,630	12,300	4,020	1,860
30	1,560	3,900	12,900	4,930	-	22,300	11,600	26,300	3,790	12,100	4,590	2,900
31	2,090	-	14,800	7,740	-	19,100	-	22,900	-	7,790	3,140	-
Total	81,107	96,500	171,870	426,390	806,490	688,700	*1,070,8	405,450	250,260	225,360	165,600	83,297
Mean	2,616	3,217	5,544	13,750	28,800	22,220	35,690	13,080	8,342	7,302	5,342	2,777
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 74,600 Min 120 Mean 10,900 Cfsm 1.07 In. 14.50
Water year 1954-55: Max 111,000 Min 112 Mean 12,250 Cfsm 1.20 In. 16.31

* Discharge measurement made on this day.

Expressed in thousands.

a No gage-height record; discharge estimated on basis of records for Jordan Dam hydroelectric plant.

c Stage-discharge relation affected by backwater; discharge estimated on basis of records for Jordan Dam hydroelectric plant.

MOBILE RIVER BASIN

Tallapoosa River near Heflin, Ala.

Location.--Lat 33°37', long 85°31', in NE¼ sec. 19, T. 16 S., R. 11 E., on right bank on downstream side of pier of highway bridge, 2¼ miles upstream from Cane Creek and 4 miles southeast of Heflin.

Drainage area.--444 sq mi.

Records available.--July 1952 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 830 ft (by barometer).

Extremes.--Maximum discharge during year, 4,770 cfs Apr. 14 (gage height, 14.67 ft); minimum daily, 13 cfs Oct. 9, 10, 13, 14, 20-22, 1952-55; Maximum discharge, 8,110 cfs Jan. 10, 1953 (gage height, 20.4 ft); minimum daily, that of Oct. 9, 10, 13, 14, 20-22, 1954.

Remarks.--Records good except those for periods of no gage-height record, which are poor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 28 to Dec. 29, Apr. 16 to May 22, Aug. 8-19)

1.4	12	4.0	483
1.7	36	8.0	1,860
2.1	86	15.0	4,900
3.0	242		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a14	17	100	895	242	513	440	440	324	146	229	62
2	a15	16	88	1,860	252	692	746	412	292	136	187	58
3	25	16	72	875	252	724	1,120	399	271	132	160	73
4	26	*25	71	513	252	576	858	386	252	129	146	57
5	24	44	200	373	258	498	1,260	373	242	129	134	a54
6	19	45	292	313	1,560	483	1,040	360	261	173	131	a52
7	a16	40	180	271	4,180	858	2,180	348	399	448	229	a50
8	a14	35	148	242	3,550	708	1,640	324	373	399	399	a48
9	a13	37	134	236	1,080	544	1,010	313	313	360	560	a45
10	a13	36	*149	516	708	498	909	302	302	271	*231	a43
11	a15	35	137	1,260	626	468	1,640	292	544	*240	178	a45
12	a14	34	120	*841	576	440	1,640	281	426	221	139	a42
13	a13	34	144	513	468	412	2,220	360	324	221	124	a58
14	a13	34	162	386	426	576	4,500	658	261	227	111	*36
15	16	36	151	348	399	468	3,060	544	292	212	100	38
16	a15	66	131	412	399	426	1,430	790	271	203	92	38
17	a15	66	144	386	*943	454	1,120	1,750	242	238	112	42
18	a14	71	518	373	909	454	943	1,040	223	214	127	40
19	a14	65	454	741	658	642	858	560	205	225	101	36
20	a13	59	271	790	528	1,080	790	440	207	162	101	35
21	a13	54	209	560	468	1,060	741	468	210	434	103	34
22	a13	57	173	576	468	1,900	790	1,080	201	592	104	32
23	a14	51	156	592	1,220	1,640	708	1,680	210	909	191	35
24	22	55	141	483	1,290	*1,010	658	909	189	741	137	34
25	20	54	134	399	1,080	741	*609	858	242	468	111	58
26	18	53	126	348	824	692	560	675	229	373	92	128
27	16	53	122	313	675	642	528	513	261	292	82	48
28	15	73	126	302	576	560	513	412	227	366	76	42
29	18	131	521	281	-	513	*483	386	183	360	67	37
30	16	120	841	271	-----	483	468	412	165	412	62	44
31	17	-----	373	252	-----	454	-----	*360	-----	336	58	-----
Total	503	1,530	6,588	16,521	24,847	21,229	35,462	16,125	8,161	9,789	4,674	1,424
Mean	16.2	51.0	215	533	867	685	1,182	585	272	316	151	47.5
Cfs/m	0.037	0.116	0.488	1.21	2.01	1.55	2.68	1.33	0.637	0.716	0.342	0.108
In.	0.04	0.13	0.55	1.38	2.08	1.78	2.97	1.52	0.68	0.82	0.39	0.12
Calendar year 1954: Max	6,720			Min	13		Mean	346	Cfs/m	0.785	In.	10.58
Water year 1954-55: Max	4,500			Min	13		Mean	408	Cfs/m	0.925	In.	12.46

Peak discharge (base, 3,500 cfs).--Feb. 8 (2 a.m.) 4,680 cfs (14.50 ft); Apr. 14 (10:30 a.m.) 4,770 cfs (14.67 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for stations on same and nearby streams.

Little Tallapoosa River at Carrollton, Ga.

Location.--Lat 33°36', long 85°05', on left bank at city water-pumping plant 200 ft downstream from bridge on U. S. Highway 27 at Carrollton, Carroll County, 1 mile upstream from Central of Georgia Railway, and $3\frac{1}{2}$ miles upstream from Buck Creek.

Drainage area.--89 sq mi, approximately.

Records available.--March 1937 to December 1955 (discontinued).

Gage.--Staff gage read twice daily. Datum of gage is 971.25 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--18 years, 131 cfs.

Extremes.--1954-55: Maximum discharge during water year, 1,510 cfs Feb. 8 (gage height, 10.5 ft, from graph based on gage readings); minimum daily, 0.3 cfs Oct. 12, 16.
1955: Maximum discharge during period October to December, 99 cfs Nov. 26 (gage height, 5.1 ft, from graph based on gage readings); minimum daily, 11 cfs Oct. 24, 26, 27.

1937-55: Maximum discharge observed, 6,010 cfs Nov. 29, 1948 (gage height, 19.3 ft); minimum daily, that of Oct. 12, 16, 1954.

Flood of Feb. 1, 1936, reached a stage of 18.15 ft, from floodmark (discharge, 5,450 cfs).

Remarks.--Records fair except those for Oct. 1 to Nov. 4, 1954, which are poor.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.7	2.3	23	109	54	99	70	54	47	21	30	16
2	1.3	2.3	20	175	*54	132	79	52	43	20	30	12
3	1.4	*2.3	20	210	54	109	99	47	39	20	24	11
4	*2.0	3.2	18	175	54	109	109	45	35	19	27	10
5	.7	9.9	28	109	50	99	109	43	35	19	56	11
6	1.4	8.1	109	89	173	89	109	41	33	65	43	10
7	1.6	9.3	79	70	995	120	210	39	47	47	25	12
8	2.5	7.8	58	61	1,100	120	308	35	*54	70	27	8.7
9	2.1	5.8	47	58	378	109	266	35	41	70	61	7.5
10	2.1	6.3	50	79	210	99	167	31	35	61	28	6.9
11	.6	6.3	43	145	132	89	230	30	52	54	22	7.8
12	.3	6.9	37	175	109	89	324	45	47	*79	22	7.5
13	.5	8.1	39	132	109	89	358	79	37	65	20	7.8
14	.4	9.3	47	99	89	89	595	104	35	50	17	7.5
15	.4	8.1	41	89	89	79	730	94	37	37	19	7.2
16	.3	16	35	99	89	*79	400	89	37	33	21	7.2
17	2.3	22	35	89	172	79	230	124	31	45	22	6.0
18	.5	21	89	89	192	79	152	422	30	39	16	5.4
19	.7	16	89	132	192	120	126	220	25	31	31	4.8
20	1.3	16	89	132	132	175	109	99	30	50	18	4.8
21	1.8	14	70	132	109	192	104	132	27	41	30	4.0
22	2.5	13	*54	132	99	192	104	192	25	52	19	2.5
23	1.2	13	45	120	120	159	99	280	23	70	19	2.0
24	2.1	12	39	109	132	145	89	254	28	104	18	2.9
25	1.1	13	37	99	159	120	79	167	70	120	14	20
26	1.3	13	35	79	159	109	70	114	56	89	13	21
27	1.8	13	33	70	132	99	*70	89	25	54	12	14
28	1.1	16	33	70	109	89	61	74	33	41	10	12
29	1.7	31	52	61	-	79	58	65	27	37	8.4	12
30	2.5	31	79	58	-----	79	58	65	26	31	*8.1	12
31	2.3	-----	79	54	-----	79	-----	54	-----	30	12	-----
Total	42.5	358.0	1,552	3,300	5,446	3,394	5,572	3,214	1,110	1,544	722.5	273.5
Mean	1.37	11.9	50.1	106	194	109	186	104	37.0	49.8	23.3	9.12
Cfs/m	0.015	0.134	0.563	1.19	2.18	1.22	2.08	1.17	0.416	0.560	0.262	0.102
In.	0.02	0.15	0.65	1.37	2.27	1.41	2.33	1.35	0.46	0.65	0.30	0.11

Calendar year 1954: Max 1,500 Min 0.3 Mean 63.6 Cfs/m 0.715 In. 9.72
Water year 1954-55: Max 1,100 Min 0.3 Mean 72.7 Cfs/m 0.517 In. 11.07

Peak discharge (base, 1,500 cfs).--Feb. 8 (2 a.m.) 1,510 cfs (10.5 ft).

* Discharge measurement made on this day.

Discharge, in cubic feet per second, 1955

Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.	Day	Oct.	Nov.	Dec.
1	20	17	31	9	33	19	41	17	12	28	30	25	12	79	33
2	24	17	41	10	20	21	39	18	13	24	31	26	11	89	33
3	18	16	54	11	14	22	37	19	13	28	45	27	11	75	31
4	14	15	52	12	*14	23	33	20	13	43	47	28	24	58	30
5	13	17	45	13	13	23	35	21	13	35	41	29	22	43	45
6	12	18	43	14	13	28	31	22	12	28	35	30	35	35	52
7	14	19	39	15	13	30	30	23	12	*35	33	31	22	-	61
8	35	19	37	16	13	21	30	24	11	58	35				
Total													517	987	1,200
Mean													16.7	32.9	58.7
Cubic feet per second per square mile													0.188	0.370	0.435
Runoff in inches													0.22	0.41	0.50
Calendar year 1955:	Max	1,100	Min	2.0	Mean	74.7	Cfs/m	0.839	In.	11.38					

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Tallapoosa River at Wadley, Ala.

Location.--Lat 33°08', long 85°34', in sec. 12, T. 22 S., R. 10 E., on right bank at Wadley, a quarter of a mile upstream from bridge on State Highway 63 and three-quarters of a mile downstream from Beaverdam Creek.

Drainage area.--1,660 sq mi, approximately.

Records available.--September 1923 to September 1955.

Gage.--Staff gage read twice daily. Datum of gage is 601.33 ft above mean sea level, datum of 1929 (levels by Alabama Power Co.).

Average discharge.--32 years, 2,419 cfs.

Extremes.--Maximum discharge during year, 21,100 cfs Apr. 14 (gage height, 15.40 ft, from graph based on gage readings); minimum daily, 45 cfs Oct. 2-4.
1923-55: Maximum discharge observed, 52,800 cfs Feb. 5, 1936 (gage height, 27.9 ft); minimum daily, that of Oct. 2-4, 1954.

Remarks.--Records fair. Some diurnal fluctuation during extreme low flow caused by small mills above station.

Cooperation.--Records collected by Alabama Power Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

2.2	25	7.0	5,510
2.3	51	11.0	12,000
2.7	224	15.0	20,300
3.0	472		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	98	516	2,450	978	2,090	1,630	1,630	1,490	691	1,490	461
2	45	106	440	5,930	978	1,970	1,630	1,560	1,270	575	1,050	400
3	45	110	364	4,150	978	2,090	2,780	1,560	1,190	587	912	355
4	*45	122	236	2,450	912	2,090	2,670	1,490	1,050	704	808	355
5	51	162	314	1,840	912	1,840	2,450	1,420	1,050	678	756	346
6	51	177	756	1,490	5,440	1,700	3,330	1,420	1,050	665	704	346
7	74	172	1,190	1,270	*13,800	2,090	5,820	1,270	1,560	912	704	338
8	51	202	847	1,050	9,180	2,330	6,650	1,190	1,700	1,420	1,420	298
9	51	182	704	978	6,300	2,090	4,280	1,190	1,420	1,340	2,090	276
10	51	177	665	1,270	3,790	1,840	3,670	1,120	1,420	1,340	1,420	248
11	51	172	600	3,550	3,000	1,840	6,650	1,120	2,090	*1,340	1,050	255
12	82	177	575	3,000	2,330	1,630	6,800	1,050	1,970	1,340	769	283
13	78	172	613	*2,210	2,090	1,490	6,180	1,120	1,560	1,560	665	269
14	58	172	626	1,700	1,840	1,490	*18,000	1,050	1,270	2,090	575	269
15	51	172	600	1,420	1,700	1,700	12,000	1,630	1,270	1,340	539	265
16	86	290	563	1,840	1,560	1,560	6,800	2,670	1,270	1,120	516	248
17	78	1,120	563	1,970	3,330	1,560	4,950	3,000	1,190	978	505	248
18	74	516	1,700	2,090	4,150	1,560	4,030	3,000	1,120	978	516	224
19	74	338	1,700	3,330	3,330	2,090	3,220	2,090	978	847	551	218
20	58	283	1,490	3,110	2,890	4,150	2,890	1,970	912	847	539	192
21	58	276	1,050	2,560	2,330	4,540	2,780	2,090	847	978	563	*192
22	54	269	834	2,450	2,090	*4,950	2,780	2,630	834	1,970	575	187
23	51	224	730	2,330	2,560	5,090	2,670	8,130	821	2,890	691	177
24	54	218	652	2,090	3,440	3,670	2,450	*4,150	821	2,780	743	167
25	66	218	575	1,840	3,440	2,890	2,210	4,030	704	2,890	563	162
26	70	212	527	1,490	3,000	2,560	2,090	2,890	1,420	2,450	539	410
27	78	219	472	1,420	2,670	2,330	1,970	2,330	1,340	1,840	505	494
28	82	322	494	1,270	2,330	2,090	1,970	1,840	1,420	1,420	450	382
29	98	652	1,050	1,120	-----	1,840	1,840	1,840	847	2,210	430	283
30	94	*678	2,330	1,120	-----	1,840	1,700	1,970	743	2,330	364	269
31	94	-----	1,970	1,050	-----	1,700	-----	1,630	-----	1,970	1,050	-----
Total	2,007	8,207	25,746	65,838	91,148	72,700	128,890	66,080	36,257	45,080	24,052	8,607
Mean	65.1	274	831	2,124	3,255	2,345	4,296	2,132	1,209	1,454	776	287
Cfsm	0.039	0.165	0.501	1.28	1.96	1.41	2.59	1.28	0.728	0.876	0.467	0.173
In.	0.04	0.18	0.58	1.48	2.04	1.63	2.89	1.48	0.81	1.01	0.54	0.19
Calendar year 1954: Max	9,080	Min	45	Mean	1,147	Cfsm	0.691	In.	9.36			
Water year 1954-55: Max	18,000	Min	45	Mean	1,574	Cfsm	0.948	In.	12.87			

Peak discharge (base, 20,000 cfs).--Apr. 14 (7 a.m.) 21,100 cfs (15.40 ft).

* Discharge measurement made on this day.

Hillabee Creek near Hackneyville, Ala.

Location.--Lat 33°04', long 85°53', in SW $\frac{1}{4}$ sec. 17, T. 24 N., R. 22 E., near center of channel on downstream side of pier of highway bridge, 1 mile downstream from Enitachopco Creek, 3 miles east of Hackneyville, and 4 miles upstream from Hackney Creek.

Drainage area.--196 sq mi (revised).

Records available.--June 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 557.92 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 7,300 cfs Apr. 14 (gage height, 19.10 ft); minimum, 8.1 cfs Oct. 16 (gage height, 3.23 ft).

1952-55: Maximum discharge, that of Apr. 14, 1955; minimum, that of Oct. 16, 1954.

Remarks.--Records good except those for periods of no gage-height record and those below 30 cfs, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 28 to Dec. 17)

Oct. 1 to Jan. 1

Jan. 2 to Sept. 30

3.2	6.4	5.0	245	3.5	22	7.0	702
3.4	19	7.0	715	3.8	49	11.0	2,050
3.8	56	9.0	1,320	4.4	129	14.0	3,360
4.4	138			5.0	235	16.0	4,700

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	16	40	791	120	222	197	249	*249	93	193	73
2	11	16	40	595	110	208	285	245	214	99	137	65
3	11	16	38	265	110	193	316	230	195	95	112	54
4	*11	16	36	220	109	188	237	220	177	102	100	51
5	11	32	53	160	110	181	364	210	169	*89	93	54
6	11	32	107	140	2,500	186	484	210	181	89	88	56
7	12	25	61	120	1,200	253	1,900	200	358	110	134	54
8	12	23	48	110	660	193	880	190	195	132	*376	48
9	12	24	58	100	450	177	520	180	164	512	280	41
10	11	23	74	*339	340	177	811	170	221	279	135	39
11	11	25	54	460	290	179	2,210	160	436	147	111	43
12	9.8	25	49	270	260	165	1,000	160	227	226	160	*48
13	10	26	*79	200	230	160	2,700	160	184	275	111	44
14	10	27	78	160	210	154	4,230	160	172	235	92	42
15	9.2	32	58	150	200	150	1,220	160	214	154	84	41
16	8.1	81	48	390	200	148	880	160	203	145	78	40
17	8.6	86	65	340	800	145	702	230	162	194	75	36
18	9.2	43	347	300	520	145	582	190	147	114	72	33
19	16	36	144	800	*337	383	520	190	134	99	73	30
20	11	32	97	430	285	880	472	200	143	96	99	28
21	9.2	32	78	290	255	*621	520	250	128	199	203	27
22	8.6	32	70	360	243	940	472	1,680	120	466	85	27
23	9.8	31	64	280	448	508	402	959	117	275	86	26
24	11	30	61	230	348	380	369	910	139	305	77	25
25	13	30	54	190	316	326	*337	910	139	275	68	28
26	13	29	53	170	275	316	316	436	131	237	66	48
27	13	33	52	150	251	255	295	326	132	152	65	35
28	*13	93	54	140	235	239	285	275	114	145	65	34
29	16	122	326	140	-	229	275	548	111	174	60	32
30	16	55	223	130	-----	212	255	425	98	301	53	31
31	16	-----	138	120	-----	203	-----	295	-----	208	60	-----
Total	355.5	1,125	2,747	8,540	11,403	8,716	24,036	10,888	5,372	6,020	3,471	1,233
Mean	11.5	37.5	89.6	275	407	281	801	351	179	194	112	41.1
Cfsm	0.059	0.191	0.452	1.40	2.08	1.43	4.09	1.79	0.913	0.990	0.571	0.210
In.	0.07	0.21	0.52	1.62	2.16	1.65	4.56	2.07	1.02	1.14	0.66	0.23

Calendar year 1954: Max 2,290 Min 8.1 Mean 169 Cfsm 0.862 In. 11.69
Water year 1954-55: Max 4,230 Min 8.1 Mean 230 Cfsm 1.17 In. 15.91

Peak discharge (base, 4,500 cfs).--Feb. 6 (time unknown) 4,940 cfs (16.28 ft); Apr. 14 (2 a.m.) 7,300 cfs (19.10 ft); May 22 (10 p.m.) 5,020 cfs (16.38 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Jan. 4-9, Jan. 11 to Feb. 18, May 3-21; discharge estimated on basis of recorded range in stage and records for nearby streams.

MOBILE RIVER BASIN

Tallapoosa River below Tallassee, Ala.

Location--Lat 32°31', long 85°53', in E½ sec. 30, T. 18 N., R. 22 E., on left bank 1½ miles downstream from Benjamin Fitzpatrick Highway Bridge and Thurlow Dam at Tallassee and 3½ miles upstream from Uphabee Creek.

Drainage area--3,320 sq mi, approximately.

Records available--July 1928 to September 1955.

Gage--Water-stage recorder. Datum of gage is 162.03 ft above mean sea level (levels by Alabama Power Co.).

Average discharge--27 years, 4,692 cfs (unadjusted).

Extremes--Maximum discharge during year, 9,570 cfs May 25, computed on basis of powerplant records; maximum gage height, 10.7 ft May 23 (backwater from tributary inflow); minimum daily discharge, 77 cfs Dec. 12.

1928-55: Maximum discharge, 115,000 cfs Mar. 15, 1929 (gage height, 51.35 ft, from floodmarks), computed on basis of powerplant records and flow over spillway; minimum daily, 10 cfs June 3, 1930, May 17, 1931.

Remarks--Records fair. Flow regulated by Lake Martin (see p. 246) and by hydroelectric plants above station.

Cooperation--Records collected by Alabama Power Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,510	3,000	1,550	2,720	1,330	2,910	2,850	91	2,960	3,170	5,820	4,330
2	2,910	2,800	2,770	1,850	547	3,480	2,090	2,630	1,230	160	7,220	3,490
3	99	2,760	1,760	1,840	969	3,050	1,190	2,000	1,210	102	6,480	2,100
4	3,180	2,980	167	1,100	1,950	2,910	3,040	2,580	188	238	5,770	122
5	3,280	3,160	86	2,110	3,110	927	2,300	2,200	93	3,610	4,880	1,210
6	2,980	2,550	2,980	1,740	3,590	3,070	2,980	1,970	*3,740	4,040	1,680	3,980
7	2,620	344	743	2,610	5,560	2,700	2,570	111	3,000	2,470	579	2,910
8	2,740	2,990	700	161	4,350	1,990	2,480	137	2,680	3,540	4,570	4,960
9	2,740	3,410	790	187	3,980	2,130	2,780	2,520	1,600	506	5,830	5,610
10	95	3,040	1,030	2,630	3,000	1,780	3,090	2,700	2,730	757	6,450	3,870
11	3,130	3,050	165	2,570	3,060	1,850	3,950	3,470	2,970	4,670	6,030	100
12	3,190	2,890	77	*2,210	3,080	107	3,420	3,310	106	5,350	5,630	3,520
13	2,690	2,870	975	2,310	1,830	1,78	3,860	1,910	3,040	*3,190	2,900	3,960
14	2,140	82	1,230	2,410	3,990	2,740	6,120	181	2,750	5,000	114	*4,130
15	2,600	2,760	1,790	90	3,480	2,640	5,670	93	1,950	5,530	4,930	3,040
16	a2,390	2,970	2,310	92	3,020	818	5,100	1,340	2,460	2,710	4,650	5,210
17	a90	1,200	418	2,910	3,410	1,020	2,740	3,090	3,310	106	5,910	3,360
18	a1,950	*1,230	257	3,580	3,480	1,010	3,580	2,660	233	4,420	5,980	895
19	a2,700	2,740	97	2,880	3,320	560	3,070	2,780	90	4,170	7,610	4,220
20	a2,550	88	423	2,790	2,880	2,500	3,360	3,390	3,690	3,840	1,470	5,440
21	2,900	78	807	3,170	3,050	4,030	3,260	3,180	4,550	4,170	97	5,500
22	2,820	2,840	579	1,840	3,210	3,520	2,280	102	3,250	5,910	5,880	6,570
23	2,500	3,180	154	3,910	2,690	3,550	3,080	6,220	3,850	5,480	5,780	6,500
24	129	2,760	89	3,310	3,120	4,010	2,780	9,260	2,020	150	4,430	3,180
25	2,910	175	86	2,590	3,040	3,340	2,560	9,330	99	5,420	4,650	2,770
26	2,770	2,840	86	2,030	2,770	3,420	2,240	9,320	89	5,520	4,150	5,660
27	2,590	160	712	2,940	2,680	3,200	2,000	8,250	2,670	6,770	2,200	5,780
28	2,990	91	1,590	2,250	3,290	3,060	1,760	1,170	2,560	8,810	98	6,120
29	2,800	2,530	1,760	342	-	3,210	2,660	2,720	3,380	8,660	6,140	6,210
30	2,930	1,740	1,540	84	-----	2,740	464	3,420	3,640	8,610	6,580	6,440
31	91	-----	2,630	2,820	-----	2,830	-----	3,240	-----	1,080	6,910	-----
Total	73,014	63,308	30,349	64,076	83,786	75,180	89,324	95,175	66,038	118,159	141,418	121,187
Mean	2,355	2,110	979	2,067	2,992	2,425	2,977	3,070	2,201	3,812	4,562	4,040
Observed												
Adjusted†												
Calendar year 1954:	Max	8,930	Min	64	Mean	2,592	Mean	2,214	Cfsm	0.667	In.	9.05
Water year 1954-55:	Max	9,330	Min	77	Mean	2,797	Mean	2,977	Cfsm	0.897	In.	12.17

* Discharge measurement made on this day.

† Adjusted for change in contents in Lake Martin.

a No gage-height record; discharge computed on basis of records for Thurlow hydroelectric plant.

Note--Stage-discharge relation affected by backwater Jan. 19, Feb. 6-10, Mar. 19-22, Apr. 14-17, May 23-29, June 30, July 25-30; discharge computed on basis of records for Thurlow hydroelectric plant.

Uphapee Creek near Tuskegee, Ala.

Location.--Lat 32°28', long 85°42', on east line of sec. 12, T. 17 N., R. 23 E., on left bank at downstream side of bridge on State Highway 81, 1 mile upstream from Red Creek, 1½ miles upstream from bridge of Western Railway of Alabama, and 4 miles north of Tuskegee.

Drainage area.--330 sq mi (revised).

Records available.--October 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 223.65 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Average discharge.--16 years, 435 cfs.

Extremes.--Maximum discharge during year, 4,740 cfs Apr. 15 (gage height, 12.17 ft); minimum daily, 1.4 cfs Oct. 31.

1939-55: Maximum discharge, 29,600 cfs Mar. 21, 1943 (gage height, 27.33 ft); minimum daily, 0.8 cfs Sept. 14, 1954.

Flood of March 1929 reached a stage about 2 ft higher than that of Mar. 21, 1943.

Remarks.--Records good above 100 cfs, fair between 10 and 100 cfs, and poor below 10 cfs. Occasional diurnal fluctuation at low flow caused by small plants above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge,
in cubic feet per second)
(Shifting-control method used June 16 to July 9, Aug. 31 to Sept. 30)

2.0	0.6	3.4	134
2.1	2.0	4.0	233
2.2	5.6	5.0	450
2.3	11	7.0	1,280
2.7	45	12.0	4,580

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	1.6	18	331	162	242	149	119	190	24	299	30
2	2.2	2.5	17	529	159	229	163	108	163	24	270	32
3	1.6	1.8	13	529	152	215	181	97	142	23	228	30
4	4.0	2.5	12	270	142	206	170	91	124	22	188	27
5	6.1	4.3	12	193	138	210	154	81	109	20	162	26
6	3.9	2.5	31	167	658	206	152	73	101	22	143	24
7	7.0	3.9	38	146	1,940	196	193	67	99	21	186	24
8	7.0	4.7	36	128	2,000	184	224	63	97	22	179	20
9	4.7	8.1	32	119	*1,700	168	203	62	82	62	176	18
10	3.9	8.1	28	*126	620	162	215	60	79	319	160	16
11	9.2	6.0	26	137	422	160	450	57	136	496	132	16
12	3.5	8.1	25	126	361	154	620	55	120	900	108	16
13	9.8	5.6	37	113	309	148	732	54	97	582	88	15
14	6.5	5.6	36	98	289	143	2,930	55	74	280	73	*14
15	7.0	7.0	37	97	280	143	3,900	63	87	198	65	15
16	5.6	14	35	198	270	138	2,420	62	109	149	58	13
17	2.5	17	34	280	372	129	920	86	101	115	52	13
18	3.5	20	65	319	450	*122	512	78	79	87	46	12
19	3.9	18	63	820	422	171	409	70	66	72	44	12
20	4.3	15	54	780	329	556	350	59	53	112	44	11
21	5.6	14	42	480	289	860	*319	84	49	109	44	9.8
22	6.5	12	35	329	260	740	299	160	42	134	77	9.8
23	7.0	12	30	309	280	409	280	1,070	*38	355	70	9.2
24	7.5	11	30	289	299	280	251	2,730	36	620	70	9.8
25	8.7	9.8	28	260	340	242	210	2,420	32	706	55	9.2
26	6.0	8.7	25	231	340	210	186	*1,640	32	1,640	49	9.2
27	4.7	11	24	206	289	186	170	962	33	2,600	44	9.8
28	3.2	18	23	195	251	171	157	372	32	1,760	39	9.2
29	*1.8	*20	26	184	-	165	144	299	32	706	36	8.1
30	1.8	20	30	170	-----	160	131	289	27	*361	33	8.1
31	1.4	-----	39	162	-----	152	-----	233	-----	329	28	-----
Total	152.4	335.1	981	8,301	13,523	7,456	17,194	11,699	2,461	12,870	3,246	478.2
Mean	4.92	11.2	31.6	268	483	241	573	377	82.0	415	105	15.9
Cfsm	0.015	0.034	0.096	0.812	1.46	0.730	1.74	1.14	0.248	1.26	0.318	0.048
In.	0.02	0.04	0.11	0.94	1.52	0.84	1.94	1.32	0.28	1.45	0.37	0.05

Calendar year 1954: Max 1,870 Min 0.8 Mean 167 Cfsm 0.506 In. 6.88
Water year 1954-55: Max 3,900 Min 1.4 Mean 216 Cfsm 0.655 In. 8.88

Peak discharge (base, 5,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Reservoirs in Mobile River basin

Allatoona Reservoir.--Lat 34°09'50", long 84°43'40", at forebay of dam on Etowah River, 22 miles upstream from Nashville, Chattanooga, & St. Louis Railway Bridge, 6 miles upstream from Pumpkinvine Creek, and 4 miles east of Cartersville, Ga. Drainage area, 1,110 sq mi, approximately. Records available, December 1949 to September 1955. Water-stage recorder. Datum of gage is at mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Maximum contents during year 330,600 acre-ft Apr. 14 (elevation, 836.77 ft); minimum, 119,600 acre-ft Dec. 4 (elevation, 809.34 ft). Maximum contents during period 1949-55, 485,000 acre-ft Mar. 25, 1952 (elevation, 848.93 ft); minimum, that of Dec. 4, 1954.

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with 9 taintor gates 40 ft wide by 25 ft high, and 2 taintor gates 20 ft wide by 25 ft high. There are 4 sluices 5 ft 8 in. wide by 10 ft high and 1 sluice 48 in. in diameter. Storage began Dec. 27, 1949; water in reservoir first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft (top of gates) is 670,000 acre-ft, of which 587,200 acre-ft is controlled storage above elevation 800.0 ft (minimum pool). Reservoir is used for flood control and power. Records furnished by Corps of Engineers.

Lake Martin.--Lat 32°41', long 85°55', in sec. 36, T. 20 N., R. 21 E., at forebay of Martin Dam on Tallapoosa River, 5 miles upstream from Souhatchee Creek and 10 miles north of Tallassee, Ala. Drainage area, 3,000 sq mi, approximately. Records available, October 1927 to September 1955. Remote indicating gage, referenced to wire-weight gage. Datum of gage is at mean sea level (levels by Alabama Power Co., adjustment unknown). Maximum daily contents during year, 1,591,100 acre-ft June 16-20 (elevation, 489.20 ft); minimum daily, 810,100 acre-ft Dec. 4, 5, 8, 9 (elevation, 464.15 ft). Maximum daily contents since Oct. 1, 1940, 1,630,000 acre-ft Apr. 27, 1944 (elevation, 490.26 ft); minimum daily, 555,000 acre-ft June 29, 1941 (elevation, 452.12 ft).

Reservoir is formed by a combination arch and gravity concrete dam with a riprap earth embankment on left or east end. Spillway is equipped with 20 modified stoney-type gates, 30 ft wide and 16 ft high. Storage began in the summer of 1926, and the powerhouse was completed in the summer of 1927. Total capacity at elevation 490.00 ft (top of gates) is 1,622,000 acre-ft, of which 1,375,000 acre-ft is controlled storage above elevation 430.00 ft (minimum pool). Reservoir is used for power development. Capacity curve and gage-height record furnished by Alabama Power Co.

Coosa River Reservoirs on Coosa River, used for power development, are the following: Lay Lake, 11 miles northeast of Clanton, Ala., completed 1914, usable capacity, 48,000 acre-ft; Mitchell Lake, 11 miles southeast of Clanton, completed in 1923, usable capacity, 54,000 acre-ft; Lake Jordan, 5 miles northwest of Wetumpka, completed in 1929, usable capacity, 84,000 acre-ft. Capacity curves and gage-height record furnished by Alabama Power Co.

Monthly elevation and change in contents, water year October 1954 to September 1955

Date	Allatoona Reservoir			Lake Martin			Coosa River Reservoirs
	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	825.01	218,500	-	472.95	1,041,300	-	-
Oct. 31.....	816.33	157,200	-61,300	467.90	904,000	-137,300	+5,300
Nov. 30.....	809.94	122,400	-34,800	464.40	816,100	-87,900	-7,900
Dec. 31.....	817.11	162,000	+39,600	465.50	843,200	+27,100	-24,000
Calendar year 1954	-	-	-33,100	-	-	-273,900	-3,400
Jan. 31.....	821.38	190,800	+28,800	470.20	964,900	+121,700	+15,300
Feb. 28.....	834.43	305,500	+114,700	475.75	1,124,700	+159,800	+61,200
Mar. 31.....	833.02	291,100	-14,400	478.65	1,216,500	+91,800	-27,600
Apr. 30.....	835.94	321,500	+30,400	487.85	1,540,400	+323,900	+300
May 31.....	835.57	317,500	-4,000	489.00	1,583,600	+43,200	+9,000
June 30.....	834.75	308,900	-8,600	488.55	1,566,600	-17,000	-32,900
July 31.....	834.48	306,000	-2,900	487.80	1,538,600	-28,000	-5,700
Aug. 31.....	831.04	271,700	-34,300	483.25	1,373,300	-165,300	+1,500
Sept. 30.....	828.31	246,500	-25,200	477.25	1,171,500	-201,800	+8,300
Water year 1954-55	-	-	+28,000	-	-	+130,200	+2,200

† Elevation at 12 p.m.

Alabama River near Montgomery, Ala.

Location.--Lat 32°24'42", long 86°24'32", in NW¼ sec. 31, T. 17 N., R. 17 E., in pier, near midstream, of bridge on U. S. Highway 31, 4 miles upstream from Autauga Creek and 6 miles northwest of Montgomery.

Drainage area.--15,100 sq mi, approximately.

Records available.--January 1899 to December 1903 (gage heights only), October 1927 to September 1955. Published as "at Montgomery" 1899-1903. Gage-height records collected at Montgomery since December 1890 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 97.90 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). January 1899 to December 1903, staff gage at site 9.3 miles upstream at different datum. Since Mar. 27, 1951, U. S. Weather Bureau staff gage used as an auxiliary gage.

Average discharge.--28 years (1927-55), 23,470 cfs.

Extremes.--Maximum discharge during year, 109,000 cfs Apr. 15 (gage height, 38.8 ft); minimum daily, 3,820 cfs Oct. 10; minimum gage height, -1.0 ft Oct. 10.

1927-55: Maximum discharge, 256,000 cfs Mar. 17, 1929 (gage height, 59.6 ft); minimum, 2,180 cfs Nov. 24, 1941; minimum daily, 2,420 cfs Nov. 24, 1941; minimum gage height, -2.2 ft Sept. 26, 1954.

Maximum stage known, 62.7 ft Apr. 1, 1886, from floodmarks. Flood of Mar. 30, 1888, reached a stage of 60.6 ft, from floodmarks (discharge, 274,000 cfs, from rating curve extended above 240,000 cfs). Elevation of floodmarks of both floods referred to U. S. Weather Bureau gage, 9.3 miles upstream and transferred to present site by gage-height relation curve.

Remarks.--Records good. Flow regulated by Allatoona Reservoir, Lake Martin, and Coosa River Reservoirs (see preceding page).

Cooperation.--Records collected by Alabama Power Co., under general supervision of

Geological Survey, in connection with a Federal Power Commission project.

Revisions (water years).--WSP 1142: 1929.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Fall used as a factor Feb. 8, 9, Apr. 16-20)

-0.6	3,820	18.0	49,700
2.0	7,500	28.0	77,600
8.0	22,000	39.0	109,000

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,260	5,260	5,970	16,100	10,300	34,300	22,800	14,100	26,000	7,500	14,800	10,800
2	5,540	5,130	5,260	22,000	11,900	31,800	21,500	14,600	21,500	7,700	14,600	9,500
3	4,100	6,270	5,400	22,800	9,920	28,200	23,600	14,100	19,300	6,760	15,300	8,100
4	5,110	6,270	6,590	20,400	11,000	25,500	24,200	15,100	16,100	5,130	14,400	6,420
5	5,160	6,120	5,540	19,000	11,700	22,000	26,000	14,800	13,100	5,130	10,300	5,540
6	6,930	6,590	5,130	18,500	11,200	20,600	27,400	13,600	11,000	7,700	11,600	4,500
7	7,120	5,000	5,130	18,500	34,500	23,600	30,700	12,400	13,600	9,300	7,900	6,120
8	7,120	5,260	7,410	16,100	70,700	22,300	41,300	9,300	14,100	10,100	6,330	6,760
9	5,820	5,130	5,820	12,100	76,000	20,400	43,500	7,340	12,100	8,700	9,710	6,780
10	3,820	6,590	5,820	9,450	72,000	20,400	40,700	11,600	12,400	7,310	12,600	7,700
11	4,740	5,970	6,420	*15,400	*67,900	20,100	50,300	13,400	13,800	6,270	14,400	5,820
12	5,000	6,270	5,540	18,000	60,900	19,800	84,300	11,600	16,400	11,000	13,400	5,820
13	6,590	6,340	5,000	18,800	53,900	18,500	65,400	11,900	12,100	15,400	13,600	5,970
14	7,120	4,870	5,820	18,500	45,800	17,400	94,300	9,500	10,600	13,100	8,100	7,700
15	6,760	4,870	6,930	17,400	39,600	18,800	107,000	7,900	11,400	*11,900	8,100	7,700
16	5,820	4,500	5,680	13,600	30,400	18,800	*102,000	8,100	9,500	12,600	7,900	*5,970
17	4,740	*6,350	7,310	8,900	26,900	14,600	93,000	11,200	11,200	11,400	8,900	5,970
18	5,260	6,930	7,900	11,500	28,500	14,400	79,800	14,100	11,900	9,100	9,920	4,660
19	5,540	6,120	6,590	19,600	27,700	14,400	62,200	17,700	10,300	10,300	9,920	5,540
20	6,420	4,740	5,540	22,500	26,900	15,600	53,300	17,700	8,100	11,600	11,200	5,260
21	5,130	5,680	5,820	22,500	25,200	22,500	42,700	23,600	9,390	12,100	8,700	7,120
22	4,740	4,870	7,500	22,000	21,500	27,400	33,500	18,800	11,600	14,400	6,590	7,700
23	4,870	4,040	9,100	22,800	23,400	32,900	30,100	17,400	11,200	13,800	6,920	8,500
24	4,740	4,500	7,330	23,900	24,700	45,200	27,900	26,900	7,900	13,100	10,300	8,300
25	5,130	5,820	5,400	22,500	27,400	49,700	25,800	36,500	7,700	11,600	10,600	5,470
26	4,870	5,260	4,260	20,100	30,100	49,700	23,100	36,800	8,300	12,400	9,920	3,930
27	6,120	5,130	4,500	17,400	31,200	44,700	22,500	*34,900	6,120	16,900	8,700	6,590
28	5,540	5,680	4,670	14,100	33,500	39,100	18,200	33,200	6,230	20,600	7,120	7,700
29	5,130	5,000	5,190	11,400	-----	34,000	16,900	28,500	9,710	24,700	6,120	9,500
30	5,680	4,700	11,600	9,100	-----	28,800	16,900	29,600	8,300	25,200	6,630	8,100
31	5,000	-----	15,900	6,770	-----	26,000	-----	30,400	-----	22,000	10,300	-----
Total	170,920	165,260	202,070	531,720	944,720	821,500	*1,330.5	566,640	360,950	372,800	315,480	205,520
Mean	5,514	5,509	6,518	17,150	33,740	26,500	44,350	18,280	12,030	12,030	10,180	6,851
In.	-	-	-	-	-	-	-	-	-	-	-	-
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	78,200	Min	2,700	Mean	14,320	Cfsm	0.948	In.	12.88			
Water year 1954-55: Max	107,000	Min	3,820	Mean	16,410	Cfsm	1.09	In.	14.75			

* Discharge measurement made on this day.

* Expressed in thousands.

Autauga Creek at Prattville, Ala.

Location.--Lat 32°27'30", long 86°28'30", in N½ sec. 17, T. 17 N., R. 16 E., on left bank 25 ft upstream from Bridge Street Bridge in Prattville, 500 ft downstream from dam, and 5 miles upstream from mouth.

Drainage area.--109 sq mi (revised).

Records available.--January 1939 to September 1955.

Gage.--Water-stage recorder in concrete channel. Datum of gage is 164.38 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to Sept. 27, 1944, staff or recording gages at several sites within 3 miles downstream of present site at various datums.

Average discharge.--16 years, 187 cfs.

Extremes.--Maximum discharge during year, 2,450 cfs Apr. 14 (gage height, 4.45 ft); minimum daily, 38 cfs Oct. 2.

1939-55: Maximum discharge, 21,800 cfs Aug. 16, 17, 1939 (gage height, 18.35 ft, present datum, prior to major channel improvement); minimum recorded, 3 cfs June 1, 1941; minimum daily, 33 cfs Aug. 15, Sept. 29, 1954.

Flood of Dec. 9, 1919, reached a stage of 18.8 ft, present datum, from floodmarks (discharge, 23,000 cfs, from rating curve extended above 15,000 cfs).

Remarks.--Records fair except those for periods of no gage-height record, which are poor. Extensive diurnal fluctuation and some regulation caused by small powerplant 500 ft above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.3	31	2.0	575
.6	74	3.0	1,210
.9	145	4.2	2,200
1.4	300		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	*54	80	280	84	80	113	106	*192	78	123	78
2	38	55	76	328	80	78	123	101	128	69	134	106
3	40	54	74	287	80	76	142	96	108	69	126	74
4	41	58	74	213	80	78	160	94	96	72	104	66
5	43	80	74	*145	80	80	162	90	96	82	86	61
6	44	86	76	113	284	90	142	90	104	92	78	68
7	52	74	*78	106	425	99	171	82	165	99	84	64
8	50	68	84	94	470	96	213	82	213	108	101	60
9	47	64	84	94	318	90	232	84	168	138	198	58
10	45	63	80	108	198	88	280	82	154	154	232	44
11	54	63	80	121	151	88	*844	80	232	134	142	50
12	44	62	84	126	129	82	1,000	80	207	108	96	60
13	44	60	94	111	118	84	1,090	80	168	104	84	57
14	48	60	94	99	118	84	*2,200	76	129	*108	76	*57
15	41	65	90	90	113	80	1,060	78	148	101	82	52
16	40	200	86	137	113	80	515	96	226	92	76	60
17	44	160	95	171	*183	80	371	154	223	84	80	61
18	51	110	140	180	220	*82	310	140	162	84	84	50
19	43	85	132	204	235	146	264	104	123	74	82	54
20	48	75	121	204	198	287	235	104	111	69	80	50
21	45	68	104	168	151	310	213	165	108	97	99	50
22	47	64	94	160	137	307	204	232	99	223	84	48
23	41	62	90	151	154	310	195	257	96	168	76	47
24	47	60	86	140	160	207	180	347	92	121	76	41
25	45	60	84	121	148	160	162	367	88	129	80	45
26	51	61	71	111	137	145	145	318	80	142	80	55
27	48	65	76	106	140	137	134	207	94	129	68	50
28	58	82	86	104	94	129	123	140	90	99	68	50
29	61	84	132	96	-	121	121	184	84	*94	72	51
30	61	84	154	96	-----	118	113	297	80	90	64	51
31	66	-----	148	94	-----	116	-----	235	-----	113	64	-----
Total	1,475	2,286	2,921	4,558	4,798	4,008	11,217	4,648	4,062	3,324	2,979	1,718
Mean	47.6	76.2	94.2	147	171	129	374	150	135	107	96.1	57.3
Cfs/m	0.437	0.699	0.864	1.55	1.57	1.18	3.43	1.58	1.24	0.982	0.882	0.526
In.	0.50	0.78	1.00	1.56	1.64	1.37	3.83	1.59	1.39	1.13	1.02	0.59
Calendar year 1954: Max	307			Min 33		Mean 95.0		Cfs/m 0.872		In. 11.84		
Water year 1954-55: Max	2,200			Min 38		Mean 131		Cfs/m 1.20		In. 16.40		

* Discharge measurement made on this day.

Note.--No gage-height record Nov. 10, Nov. 12 to Dec. 6; discharge estimated on basis of records for stations on nearby streams.

Catoma Creek near Montgomery, Ala.

Location.--Lat 32°18'25", long 86°18'00", in center sec. 6, T. 15 N., R. 18 E., on right bank on downstream side of bridge on State Highway 9, 5 miles south of Montgomery.

Drainage area.--298 sq mi (revised).

Records available.--June 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 151.02 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 5,560 cfs Apr. 15 (gage height, 19.73 ft); no flow for many days.

1952-55: Maximum discharge, 10,700 cfs Dec. 5, 1953 (gage height, 23.03 ft); no flow for many days in some years.

Flood of Nov. 28, 1948, reached a stage of 27.5 ft (discharge, about 32,000 cfs, on basis of partial discharge measurement).

Remarks.--Records good above 30 cfs, fair between 10 and 30 cfs, and poor below 10 cfs and for periods of no gage-height record.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 20 to May 24; backwater from return of overbank flow Apr. 16, 17)

0.7	0	4.0	291
.8	.1	7.0	770
.9	1.5	11.0	1,670
1.0	4.3	17.0	3,660
1.1	9.3	20.0	5,870
1.5	39		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		(*)	0	280	17	30	15	10	*79	20	304	9.0
2			*0	494	16	29	16	9.3	40	15	291	7.5
3			0	200	15	27	16	8.2	27	11	284	6.5
4			0	90	15	26	20	7.1	22	10	210	5.6
5			0	50	15	24	20	6.6	17	11	85	5.0
6			.1	30	804	23	20	5.6	17	25	41	4.5
7			.1	20	1,400	21	20	4.7	28	25	29	4.0
8			.1	14	*1,300	20	20	3.6	98	15	25	3.5
9			.3	10	970	17	28	3.6	33	11	45	3.0
10			.4	*8.2	582	17	100	3.6	20	13	180	2.8
11			.5	6.6	180	16	478	3.6	47	65	48	2.6
12			.6	4.7	118	15	430	3.6	136	23	25	2.4
13			.5	4.7	83	15	1,350	3.9	49	39	23	*2.4
14			.1	4.7	57	15	3,580	3.9	26	72	21	6.2
15			.3	4.7	44	13	5,360	3.3	30	30	19	6.1
16			.9	13	36	13	3,200	3.6	231	22	17	3.3
17			1.5	79	*39	18	1,100	3.6	248	13	16	2.4
18			1.1	174	39	*22	236	3.9	128	9.3	16	1.7
19			.9	698	50	22	141	3.6	65	8.2	14	1.0
20			1.3	542	53	31	84	3.6	*33	7.1	13	.6
21			1.7	346	41	90	*66	3.9	23	6.6	12	.3
22			1.5	128	37	150	52	4.3	17	6.6	199	.2
23			1.5	72	33	105	46	11	15	80	67	.1
24			1.3	51	39	57	39	452	11	38	17	.2
25			1.1	45	56	35	29	1,150	9.3	78	14	.3
26			1.0	35	50	25	22	790	8.7	73	17	.4
27			1.1	31	40	22	17	416	406	77	15	.4
28			1.5	25	34	20	14	136	259	*82	13	.2
29			1.5	23	-	20	13	81	39	150	11	.2
30			1.2	20	-	17	13	180	25	1,010	9.0	.3
31			5.0	20	-	16	-	141	-	620	10	-
Total	0	0	26.9	3,503.6	6,165	971	16,543	3,464.1	2,187.0	2,665.8	2,090.0	82.7
Mean	0	0	0.87	113	220	31.3	551	112	72.9	86.0	67.4	2.76
Cfsm	0	0	0.0029	0.379	0.738	0.105	1.85	0.376	0.245	0.289	0.226	0.0093
In.	0	0	0.003	0.44	0.77	0.12	2.08	0.43	0.27	0.33	0.26	0.01

Calendar year 1954: Max 3,190 Min 0 Mean 106 Cfsm 0.356 In. 4.83

Water year 1954-55: Max 5,360 Min 0 Mean 103 Cfsm 0.346 In. 4.69

Peak discharge (base, 5,000 cfs).--Apr. 15 (1 p.m.) 5,560 cfs (19.73 ft).

* Discharge measurement or observation of no flow made on this day.

Note.--No gage-height record Oct. 28-31, Nov. 2-29, Dec. 15-20, 24-28, 30, 31, Jan. 3-9, Aug. 19-21, Aug. 25 to Sept. 12; discharge estimated on basis of weather records and records for nearby streams.

Big Swamp Creek near Lowndesboro, Ala.

Location.--Lat 32°16', long 86°42', in NE¼ sec. 19, T. 15 N., R. 14 E., at upstream side of right bank pier of bridge on U. S. Highway 80, 1 mile downstream from Panther Creek, 5 miles west of Lowndesboro, and 12 miles upstream from mouth. Prior to July 20, 1955, at downstream side of left bank pier.

Drainage area.--247 sq mi (revised).

Records available.--December 1937 to April 1938, October 1940 to September 1955.

Gage.--Water-stage recorder. Wooden control Aug. 8, 1951, to July 20, 1955. Datum of gage is 127.95 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 12, 1944, staff gage and July 12, 1944, to June 22, 1949, wire-weight gage, at same site and datum.

Average discharge.--15 years (1940-55), 317 cfs.

Extremes.--Maximum discharge during year, 11,500 cfs Apr. 14 (gage height, 17.94 ft); no flow for many days.

1937-38, 1940-55: Maximum discharge, 37,000 cfs Nov. 27, 1948 (gage height, 21.3 ft, from floodmark), from rating curve extended above 25,000 cfs; no flow at times.

Remarks.--Records good above 50 cfs, fair between 10 and 50 cfs, and poor below 10 cfs.

Rating tables, water year 1954-55, except periods of indefinite stage-discharge relation (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 13-17, Feb. 20 to Mar. 22, Mar. 24 to Apr. 7, Apr. 21 to May 8, May 21-23, May 29 to June 10, June 13-17, 19-24, June 29 to July 10, July 12-17)

Oct. 1 to July 20

July 21 to Sept. 30

1.2	0	7.0	373	0.7	0	1.5	12
1.3	.1	11.0	819	.8	.2	2.0	26
1.4	.4	14.0	1,330	.9	.7	2.5	43
1.5	1.1	14.5	1,540	1.0	1.5	3.5	96
1.6	2.3	15.0	1,960	1.1	2.6	6.0	285
1.7	4.3	15.5	2,670	1.3	6.7	8.0	466
1.9	10	16.0	3,870				
2.5	36	17.5	9,560				
4.0	131						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	110	2.8	18	2.8	11	38	6.1	418	19
2			0	221	2.7	17	3.2	11	24	3.6	213	30
3			0	80	2.0	15	2.7	11	18	2.3	61	6.1
4			0	17	1.2	15	2.5	9.4	14	1.7	25	2.4
5			0	*8.3	.7	17	2.3	7.6	10	1.3	14	1.1
6			0	4.3	254	18	4.7	6.1	8.5	1.3	8.5	.6
7			0	2.1	140	15	65	4.8	36	23	5.6	.3
8			0	1.0	754	12	166	4.5	51	15	3.9	.1
9			0	.5	678	9.4	131	2.7	32	5.3	3.9	0
10			0	.4	561	7.9	220	1.5	45	53	10	0
11			0	.8	177	7.3	4,420	1.1	277	117	17	0
12			0	.5	64	6.4	2,750	.9	148	40	8.3	0
13			0	.2	34	5.6	3,400	.7	62	81	3.8	*0
14			0	.1	24	4.3	*9,160	1.1	28	36	1.4	0
15			.1	.1	20	3.8	5,030	.7	18	18	.6	0
16			.1	4.2	18	*2.8	2,270	1.3	33	9.3	.5	0
17			.1	16	*47	2.3	675	2.9	150	6.7	.5	0
18			1.8	40	65	3.0	230	2.5	253	2.3	.3	0
19			1.6	408	45	3.4	131	1.2	94	1.5	.1	0
20			.5	221	31	18	63	2.9	31	1.0	.1	0
21			.2	88	26	42	55	6.4	14	.8	0	0
22			.1	29	22	40	53	19	12	.7	0	0
23			.1	22	22	57	44	102	*7.3	.5	0	0
24			0	16	27	31	38	932	*4.8	5.4	0	0
25			0	14	24	19	32	*1,000	3.2	18	0	0
26			0	12	24	14	26	594	4.8	11	0	0
27			0	8.8	21	10	22	496	358	*159	.1	0
28			0	7.3	18	8.2	20	301	179	289	.1	0
29			.5	6.4	-	5.9	17	78	34	138	.1	0
30			2.0	4.3	-----	4.3	14	59	12	188	0	0
31			.9	3.6	-----	3.2	-----	58	-----	310	0	-----
Total	0	0	8.0	1,327.9	4,105.4	435.8	29,050.2	3,736.3	1,999.6	1,525.8	795.8	59.6
Mean	0	0	0.26	42.8	147	14.1	968	121	66.7	49.2	25.7	1.99
Cfs/m	0	0	0.0011	0.173	0.594	0.057	3.92	0.490	0.270	0.199	0.104	0.0081
In.	0	0	0.001	0.20	0.62	0.07	4.37	0.56	0.30	0.23	0.12	0.009
Calendar year 1954:	Max	1,960	Min	0	Mean	105	Cfs/m	0.425	In.	5.79		
Water year 1954-55:	Max	9,160	Min	0	Mean	118	Cfs/m	0.478	In.	6.48		

Peak discharge (base, 6,000 cfs).--Apr. 14 (4 a.m.) 11,500 cfs (17.94 ft).

* Discharge measurement or observation of no flow made on this day.

Note.--No gage-height record Oct. 1 to Dec. 13; water below the intakes and point of zero flow. Stage-discharge relation indefinite May 9-20, June 25, 26, July 2-6, 18-20; discharge estimated on basis of condition of control, weather records, and records for station on nearby streams.

Mulberry River at Jones, Ala.

Location.--Lat 32°35', long 86°54', in E $\frac{1}{2}$ sec. 31, T. 19 N., R. 12 E., on right bank near downstream side of highway bridge, 0.4 mile west of Jones, 6 miles upstream from Buck Creek, and 11 miles upstream from mouth.

Drainage area.--208 sq mi (revised).

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 165.23 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to June 2, 1939, staff gage at site 50 ft upstream at same datum.

Average discharge.--17 years, 337 cfs.

Extremes.--Maximum discharge during year, 9,740 cfs Apr. 13 (gage height, 15.8 ft); minimum daily, 27 cfs Oct. 6.

1938-55: Maximum discharge, 32,800 cfs Aug. 16, 1939 (gage height, 30.4 ft); minimum daily, that of Oct. 6, 1954.

Maximum stage known, 33.6 ft in April 1938, from information by local residents (discharge, 48,000 cfs, from rating curve extended above 30,000 cfs).

Remarks.--Records fair except those for periods of no gage-height record, which are poor. Occasional slight diurnal fluctuation at low flow.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 18 to Apr. 10, Apr. 17 to Aug. 9)

0.6	26	3.0	655
1.0	72	5.0	1,880
1.6	181	10.0	5,300
2.3	375	14.0	8,300

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	51	86	900	147	303	221	231	*291	72	183	300
2	30	48	79	*428	147	274	1,710	218	244	72	172	191
3	29	51	78	257	139	252	1,270	198	203	73	139	131
4	28	59	77	200	135	241	610	186	177	83	113	107
5	28	72	76	177	139	223	509	177	155	80	179	104
6	27	73	80	159	1,180	215	481	168	157	79	128	106
7	35	68	90	145	1,420	228	1,460	155	161	122	100	102
8	60	60	100	137	*525	198	925	147	155	128	122	92
9	44	60	100	133	406	183	588	139	128	147	651	91
10	39	60	91	155	351	177	1,360	133	213	109	440	86
11	33	59	90	203	351	174	*5,230	128	588	88	236	80
12	32	57	100	181	309	172	3,000	120	297	198	193	83
13	33	59	120	149	271	161	7,200	118	195	282	170	79
14	34	55	120	139	257	*157	*7,500	133	163	303	145	73
15	42	62	110	139	252	155	2,150	131	348	195	126	72
16	43	348	100	198	260	151	1,280	133	545	153	115	76
17	37	234	130	247	1,310	151	980	174	297	195	104	68
18	37	104	300	254	610	147	775	133	221	130	97	68
19	35	82	210	485	403	252	655	115	177	94	94	68
20	37	73	160	300	354	1,380	565	124	161	96	137	63
21	37	72	140	247	309	1,220	525	257	*143	167	131	60
22	42	68	120	336	410	775	*525	372	135	424	100	58
23	36	66	110	274	950	525	438	345	131	252	92	55
24	36	62	100	215	588	431	396	900	135	172	102	57
25	*35	60	90	186	438	375	342	850	120	151	89	60
26	36	60	75	177	372	348	318	386	104	200	78	64
27	38	68	80	168	342	282	303	288	100	*147	76	60
28	54	96	110	168	321	274	297	236	96	195	76	60
29	62	97	250	159	-----	252	279	690	88	218	*76	58
30	37	*94	370	149	-----	244	252	1,070	82	247	79	58
31	59	-----	350	149	-----	231	-----	362	-----	244	234	-----
Total	1,213	2,478	4,092	7,212	12,696	10,151	42,144	8,835	6,010	5,116	4,777	2,630
Mean	39.1	82.6	132	233	453	327	1,405	285	200	165	154	87.7
Cfsm	0.188	0.397	0.635	1.12	2.18	1.57	6.75	1.37	0.962	0.793	0.740	0.422
In.	0.22	0.44	0.73	1.29	2.27	1.81	7.54	1.58	1.07	0.91	0.85	0.47

Calendar year 1954: Max 1,680 Min 27 Mean 164 Cfsm 0.788 In. 10.69
Water year 1954-55: Max 7,500 Min 27 Mean 294 Cfsm 1.41 In. 19.18

Peak discharge (base, 4,000 cfs).--Apr. 11 (5 p.m.) 5,790 cfs (10.70 ft); Apr. 13 (time unknown) 9,740 cfs (15.8 ft).

* Discharge measurement made on this day.

Notes.--No gage-height record Dec. 3 to Jan. 1, Apr. 12, 13; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

Alabama River at Selma, Ala.

Location.--Lat 32°24', long 87°01' in T. 17 N., R. 10 E., in first pier from right bank of Edmund Pettus Bridge on U. S. Highway 80, in Selma, 1 mile upstream from Valley Creek.

Drainage area.--17,100 sq mi, approximately.

Records available.--January 1899 to January 1900 (gage heights only), February 1900 to December 1913, June 1928 to September 1955. Gage-height records since December 1890 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 61.80 ft above mean sea level, datum of 1929. Prior to Mar. 22, 1906, staff gage, Mar. 22, 1906, to June 21, 1928, chain gage, June 22, 1928, to Apr. 11, 1938, water-stage recorder, and Apr. 12, 1938, to May 20, 1940, wire-weight gage, all at site 300 ft upstream at present datum.

Average discharge.--40 years, (1900-1913, 1928-55), 26,120 cfs.

Extremes.--Maximum discharge during year, 123,000 cfs Apr. 16 (gage height, 42.8 ft); minimum, 3,760 cfs Oct. 12 (gage height, -0.58 ft); minimum daily, 4,300 cfs Oct. 12. 1899-1913, 1928-55: Maximum discharge, 204,000 cfs Mar. 19, 1929; maximum gage height, 56.0 ft Dec. 3, 1948; minimum discharge observed, 2,660 cfs Nov. 1, 1904 (gage height, -2.20 ft).
Maximum stage known, 57.0 ft Apr. 8, 1886, from floodmarks established by Corps of Engineers (discharge, 221,000 cfs).

Remarks.--Records good except those for periods of backwater, which are fair. Flow regulated by Allatoona Reservoir, Lake Martin, and Coosa River reservoirs (see p. 246).

Revisions.--WSP 662: Drainage area.

Rating tables, water year 1954-55, except periods of backwater from return of overbank flow or from Cahaba River (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 15			Apr. 16 to Sept. 30		
-0.5	3,890	20.0	48,500	0.5	5,200
3.0	9,180	30.0	77,000	10.0	23,200
10.0	23,400	42.0	119,000	4.0	10,400
				20.0	48,500

Note.--Same as preceding table above 20.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,750	5,150	5,150	17,200	8,060	33,500	26,200	17,100	32,000	9,760	23,200	*11,100
2	5,300	5,150	5,750	19,100	10,200	34,000	24,600	14,900	27,500	8,650	17,800	11,600
3	5,600	5,300	5,900	23,900	12,000	31,800	25,200	14,700	22,700	8,200	16,000	10,700
4	4,720	6,200	5,600	*23,900	10,900	28,500	26,200	14,700	19,800	8,500	16,200	9,280
5	4,580	6,650	6,200	21,600	11,400	25,700	26,400	15,100	17,100	8,050	15,600	7,900
6	5,300	6,500	5,750	19,600	14,400	22,500	27,300	14,900	14,100	7,600	14,300	7,020
7	6,650	6,800	*5,450	18,900	23,400	21,200	29,500	14,100	12,300	8,650	12,300	5,760
8	7,420	5,750	5,300	18,500	44,800	21,100	35,000	12,900	12,900	10,100	10,600	6,740
9	7,260	5,150	6,950	16,600	64,000	22,500	43,000	10,700	14,300	10,400	9,440	7,600
10	6,350	5,750	6,500	13,200	71,300	21,100	45,700	9,600	13,100	10,400	11,400	7,600
11	4,580	6,350	6,050	10,900	71,300	20,400	61,300	12,300	13,900	9,280	12,700	8,200
12	4,300	6,350	6,650	15,000	66,800	20,700	71,300	13,100	15,100	8,960	12,900	7,160
13	5,150	6,850	6,200	17,800	60,100	20,000	80,600	12,300	16,500	11,400	13,700	6,740
14	6,350	6,800	5,450	18,700	*52,800	19,100	99,400	12,100	14,300	13,700	13,300	7,020
15	6,950	6,200	5,900	18,500	45,400	18,100	117,000	10,600	14,100	14,100	12,500	8,050
16	6,950	6,050	6,950	17,600	39,000	*19,100	120,000	9,120	12,500	12,500	10,600	8,350
17	6,050	5,750	6,350	14,800	32,500	18,700	110,000	9,120	11,800	12,900	8,650	7,300
18	5,000	6,800	7,580	10,900	30,000	16,000	100,000	11,400	11,400	12,300	9,760	6,740
19	5,000	6,950	8,220	13,800	30,200	15,600	90,000	13,900	11,800	12,000	10,100	6,180
20	5,450	7,100	7,420	21,100	29,200	17,200	*76,000	16,500	12,000	10,600	10,700	6,040
21	6,350	6,800	6,200	24,100	27,500	20,200	*59,000	18,400	9,760	11,800	10,400	6,180
22	5,600	6,200	8,050	23,600	25,700	26,200	*46,000	23,200	9,440	12,300	10,600	7,300
23	4,720	5,450	7,420	22,700	23,600	30,500	*38,000	19,600	12,100	12,000	9,280	8,200
24	4,860	5,000	9,020	23,400	24,800	36,800	32,800	*25,000	*11,600	11,800	7,600	8,800
25	4,720	5,150	7,900	24,100	26,200	46,200	29,800	*32,000	9,760	14,500	9,120	8,960
26												
27	5,000	5,600	6,350	22,500	28,800	49,500	26,800	*42,000	9,440	12,900	9,920	7,160
28	*5,150	5,750	5,000	20,200	30,800	49,000	24,400	41,500	10,100	*13,700	10,200	5,200
29	5,750	5,750	4,860	17,400	32,000	44,800	22,500	38,000	9,440	17,600	9,760	6,600
30	5,900	5,750	6,650	14,600	39,500	39,500	19,100	34,800	8,350	20,500	8,500	8,200
31	5,300	5,600	6,950	12,000	34,500	17,800	31,800	9,600	22,700	22,700	8,350	9,440
30	5,600		12,000	10,000	29,500			32,000		25,800	7,160	
Total	173,660	180,450	203,720	566,200	947,160	853,400	*1,550,900	597,440	418,790	383,450	362,640	233,120
Mean	5,602	6,015	6,572	18,260	33,830	27,530	51,700	19,270	13,960	12,370	11,700	7,771
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 75,800 Min 3,510 Mean 15,600 Cfsm 0.912 In. 12.38

Water year 1954-55: Max 120,000 Min 4,300 Mean 17,730 Cfsm 1.04 In. 14.07

* Discharge measurement made on this day.

† Expressed in thousands.

c Backwater from return of overbank flow or from Cahaba River.

Cahaba River near Acton, Ala.

Location.--Lat 33°22', long 86°49', in SE $\frac{1}{4}$ sec. 23, T. 19 S., R. 3 W., on right bank at downstream side of highway bridge (formerly U. S. Highway 31), half a mile upstream from Patton Creek, 1 mile northwest of Acton, and 16 miles south of Birmingham.

Drainage area.--230 sq mi (revised).

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 375.00 ft above mean sea level, adjustment of 1912. Prior to Feb. 25, 1939, wire-weight gage at same site and datum.

Average discharge.--17 years, 335 cfs.

Extremes.--Maximum discharge during year, 9,340 cfs Feb. 7 (gage height, 26.8 ft); no flow Oct. 8 to Nov. 3, Sept. 21-29.
1938-55: Maximum discharge, 25,500 cfs Dec. 28, 1942; maximum gage height, 44.23 ft Dec. 29, 1942; no flow for several days in 1953, 1954, and 1955.

Remarks.--Records good above 10 cfs, fair between 4 and 10 cfs, and poor below 4 cfs. An average of 53 cfs is diverted above station by Birmingham Water Works Co., and is not included in records. Approximately 5 cfs from this diversion is returned to river below station. Flow partly regulated by Purdy Lake (capacity, 17,400 acre-ft) on Little Cahaba River.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Backwater from return of overbank flow Feb. 7)

Oct. 1 to Feb. 7				Feb. 8 to Sept. 30			
1.6	0	2.9	140	1.52	0	2.2	32
1.7	1.6	4.0	435	1.6	.8	2.6	87
1.8	4.4	8.0	1,710	1.7	2.9	3.0	166
1.9	8.7	13.0	3,200	1.8	6.7	4.0	446
2.1	22	20.0	5,600	2.0	16	8.0	1,710
2.4	55	25.0	8,100				

Note.--Same as preceding above 8.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	3.4	1,220	90	386	206	67	142	3.8	105	2.0
2	0.3	0	3.1	1,350	87	330	728	*87	87	3.2	48	1.5
3	.6	0	2.8	793	90	295	744	57	57	2.9	24	1.5
4	.6	.3	2.5	499	82	267	552	43	41	2.9	15	1.3
5	1.2	1.6	2.5	389	91	239	506	36	29	5.6	13	1.1
6	.6	1.0	2.8	299	5,640	253	776	32	*24	15	10	1.3
7	.3	.6	3.7	239	*7,500	327	1,650	26	23	28	9.5	1.5
8	0	.6	3.4	186	2,120	229	1,440	23	17	15	91	1.1
9	0	.5	3.4	155	1,150	188	958	16	13	22	48	.7
10	0	.5	4.7	468	859	180	1,020	16	15	24	19	.4
11	0	.3	6.8	1,280	793	162	2,630	8.7	16	*55	13	.5
12	*0	.3	10	793	664	153	2,000	6.7	11	43	10	.8
13	0	.3	*12	515	506	138	3,680	14	9.1	38	8.7	.8
14	0	.3	9.2	350	431	120	4,710	19	8.7	41	6.7	.7
15	0	*6	5.5	338	401	120	2,120	13	12	42	*5.4	.5
16	0	110	4.7	531	365	113	1,310	14	12	29	4.6	.3
17	0	352	9.4	*420	925	122	958	16	8.7	18	4.2	.2
18	0	63	129	435	826	136	696	15	7.5	14	4.2	1.1
19	0	18	151	1,250	648	273	536	17	6.7	11	4.2	*2.4
20	0	4.0	92	958	521	793	416	19	6.3	20	3.8	.4
21	0	2.0	46	678	*461	1,350	431	28	5.4	27	4.6	0
22	0	1.4	27	776	616	4,680	416	188	5.9	47	5.4	0
23	0	1.0	12	644	1,620	2,510	315	175	6.7	26	5.9	0
24	0	.5	8.2	499	1,220	1,350	270	23	6.7	33	2.7	0
25	0	.5	7.2	389	859	925	234	250	5.0	48	2.2	0
26	0	.3	4.4	294	664	696	157	134	5.9	53	2.0	0
27	0	.5	3.7	244	521	136	82	15	32	1.7	0	0
28	0	1.2	6.7	205	461	416	94	44	10	23	1.7	0
29	0	5.4	3,700	162	--	356	87	363	6.3	18	1.7	0
30	0	5.5	2,440	138	-----	*307	71	476	4.2	118	1.7	.2
31	0	-----	760	106	-----	*242	-----	242	-----	130	2.0	-----
Total	3.9	572.2	7,477.1	16,633	30,211	18,177	29,847	2,805.4	617.1	988.4	478.9	20.3
Mean	0.13	19.1	241	537	1,079	586	995	90.5	20.6	31.9	15.4	0.68
Cfsm	--	--	--	--	--	--	--	--	--	--	--	--
In.	--	--	--	--	--	--	--	--	--	--	--	--

Calendar year 1954: Max 6,110 Min 0 Mean 190 Cfsm 0.826 In. 11.19
Water year 1954-55: Max 7,500 Min 0 Mean 295 Cfsm 1.28 In. 17.44

Peak discharge (base, 4,500 cfs).--Dec. 29 (9 p.m.) 4,840 cfs (18.10 ft); Feb. 7 (5 a.m.) 9,340 cfs (26.80 ft); Mar. 22 (11:30 a.m.) 5,080 cfs (18.70 ft); Apr. 14 (3 a.m.) 5,840 cfs (20.55 ft).
* Discharge measurement or observation of no flow made on this day.

Chahaba River at Centerville, Ala.

Location.--Lat 32°56', long 87°08', in E½ sec. 26, T. 23 N., R. 9 E., on left bank below bridge on U. S. Highway 82, a quarter of a mile west of Centerville, half a mile upstream from Gulf, Mobile and Ohio Railroad bridge, and 2½ miles upstream from Sandy Creek.

Drainage area.--1,029 sq mi (revised).

Records available.--August 1901 to February 1908, May 1929 to March 1932, May 1935 to September 1955. Gage-height records collected at same site since January 1917 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 180.74 ft above mean sea level, datum of 1929, supplementary adjustment of 1944. Prior to Jan. 31, 1939, wire-weight, chain, or staff gages at same site and at same datum since May 1929. Prior to May 1929, at datum 1.15 ft lower.

Average discharge.--28 years (1901-7, 1929-31, 1935-55), 1,610 cfs.

Extremes.--Maximum discharge during year, 27,900 cfs Apr. 14 (gage height, 27.05 ft); minimum, 116 cfs Oct. 16-24.

1901-8, 1929-32, 1935-55: Maximum discharge, 83,600 cfs Mar. 29, 1951; maximum gage height, 36.63 ft Apr. 8, 1938; minimum discharge observed, 90 cfs Oct. 24-29, 1904 (gage height, -0.35 ft, present datum).

Remarks.--Records good. Some diversion above station (see Remarks for station near Acton).

Revisions (water years).--WSP 682: 1901-8, 1929. WSP 872: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge,

in cubic feet per second)

(Shifting-control method used Apr. 24 to May 21, June 2 to July 6, July 9-11; rate of change in stage used as factor Dec. 29, 30, Feb. 6-9, 23, 24, Mar. 21-24, Apr. 3, 7, 8, 11-17, May 24, 25)

Oct. 1 to Apr. 14

Apr. 15 to Sept. 30

2.2	105	10.0	4,280	2.1	136	5.0	1,480
2.6	228	18.0	10,100	3.0	518	10.0	4,280
3.0	390	22.0	15,000				
5.0	1,420	26.0	24,600				

Note.--Same as preceding table above 10.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	129	132	196	2,080	575	1,580	985	765	1,580	320	*980	*243
2	129	132	196	3,920	555	1,420	2,850	896	1,230	311	908	248
3	124	132	180	2,680	520	1,260	4,500	650	1,000	346	719	237
4	121	135	167	1,700	480	1,140	2,900	628	860	395	562	231
5	121	149	164	1,200	505	1,010	2,560	584	765	377	509	222
6	124	144	167	985	13,400	985	2,410	549	696	598	461	214
7	152	146	164	810	20,900	1,230	6,440	514	673	2,300	434	218
8	141	*164	164	685	13,400	1,140	6,440	487	650	1,830	496	214
9	132	161	171	575	4,820	980	4,220	470	584	1,200	932	210
10	127	155	174	1,070	3,200	885	3,560	465	584	884	884	202
11	132	144	171	2,960	2,800	860	14,600	430	956	1,230	540	206
12	129	141	177	2,630	2,410	785	*10,100	408	765	1,530	606	158
13	124	138	196	1,800	1,970	735	17,900	477	584	1,280	470	206
14	121	135	196	1,310	1,700	660	23,900	443	522	1,030	408	218
15	118	146	200	1,060	1,530	635	*11,700	474	696	884	368	206
16	116	338	193	1,580	1,420	615	6,180	584	1,000	742	351	160
17	116	475	221	1,970	2,240	595	4,230	788	673	719	351	186
18	116	625	321	1,640	2,800	800	3,440	522	540	628	351	178
19	116	785	459	3,200	2,300	785	2,300	540	483	509	333	178
20	116	269	485	3,380	1,920	2,900	2,560	544	448	448	351	174
21	116	210	372	2,410	1,700	4,580	2,250	1,230	448	430	333	182
22	116	183	304	2,300	1,860	7,230	2,520	3,440	412	1,330	311	*174
23	116	164	254	2,240	5,230	8,780	1,980	2,960	395	2,250	290	174
24	116	158	224	1,860	4,360	4,810	1,730	9,760	390	1,680	290	174
25	118	155	207	*1,480	3,200	3,080	1,480	7,280	390	1,980	281	166
26	118	146	190	1,230	*2,460	2,410	1,280	3,800	373	1,430	269	*170
27	121	155	183	1,040	2,080	1,970	1,100	2,300	368	1,280	256	166
28	127	187	193	935	1,800	1,580	*1,000	1,630	373	908	252	159
29	127	193	*3,640	835	-	1,390	908	1,980	364	788	248	163
30	127	*210	6,710	735	-	*1,230	838	3,740	*346	908	258	155
31	132	-	3,680	635	-	1,090	-	*2,300	-	1,130	248	-
Total	3,838	6,021	20,310	52,935	102,135	58,930	148,759	51,378	19,148	31,675	14,048	5,860
Mean	124	201	655	1,708	3,648	1,901	4,859	1,657	658	1,022	453	185
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 13,200 Min 116 Mean 800 Cfsm 0.777 In. 10.56
Water year 1954-55: Max 23,900 Min 116 Mean 1,411 Cfsm 1.337 In. 18.61

Peak discharge (base, 20,000 cfs).--Feb. 7 (1 a.m.) 22,800 cfs (25.44 ft); Apr. 14 (6 a.m.) 27,900 cfs (27.05 ft).

* Discharge measurement made on this day.

Cahaba River at Sprott, Ala.

Location.--Lat 32°40', long 87°14', in NW 1/4 sec. 35, T. 20 N., R. 8 E., near right bank on downstream side of pier of bridge on State Highway 43, half a mile upstream from Goose Creek, 1 mile west of Sprott, and 5 1/2 miles northeast of Marion.

Drainage area.--1,378 sq mi (revised).

Records available.--October 1938 to September 1944 (fragmentary), October 1944 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 129.51 ft above mean sea level, datum of 1929, supplementary adjustment of 1943 (levels by Corps of Engineers). Prior to May 10, 1947, staff or wire-weight gages at present site and datum.

Average discharge.--11 years (1944-55), 2,117 cfs.

Extremes.--Maximum discharge during year, 27,000 cfs Apr. 15 (gage height, 20.15 ft); minimum, 188 cfs Oct. 25, 26.

1938-55: Maximum discharge, 85,200 cfs Aug. 16, 1939 (gage height, 27.5 ft); minimum observed since Oct. 1, 1944, that of Oct. 25, 26, 1954.

Flood of Apr. 9, 1938, reached a stage of 28.55 ft, from floodmark (discharge, 95,000 cfs).

Remarks.--Records good. For diversion above station, see Remarks for station near Astor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 25 to May 21, Sept. 5-30)

4.3	170	12.0	8,200
4.7	455	16.0	14,000
6.0	1,720	20.0	26,000

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	212	206	368	2,970	920	2,120	1,520	1,170	2,480	523	1,470	352
2	212	206	352	3,420	860	1,970	2,420	*1,060	1,920	489	1,320	345
3	212	212	358	3,900	830	1,770	5,380	990	1,620	472	1,150	345
4	212	218	315	2,530	782	1,620	4,610	920	1,420	532	950	338
5	212	230	300	1,820	782	1,520	3,300	870	1,270	750	840	338
6	212	230	300	1,470	2,860	1,420	3,080	820	1,160	1,120	725	330
7	218	230	300	1,270	10,000	1,520	4,380	772	1,100	2,000	640	322
8	230	237	300	1,100	16,600	1,620	8,090	754	1,040	2,170	687	315
9	230	251	315	950	17,600	1,470	7,000	898	980	2,120	1,120	315
10	218	258	330	990	7,870	1,320	5,160	868	1,040	1,470	1,370	300
11	212	244	322	2,480	4,020	1,270	8,200	658	1,250	1,720	1,010	300
12	218	237	350	3,420	3,500	1,220	*12,400	812	1,420	2,320	772	*308
13	218	230	*360	2,580	2,700	1,150	*16,800	605	1,080	2,320	801	315
14	212	230	368	1,920	2,270	1,100	19,900	840	1,000	1,820	830	308
15	206	244	360	1,520	2,070	1,020	25,600	658	1,120	1,520	*549	315
16	206	464	352	1,620	1,970	990	19,900	678	1,770	1,310	532	300
17	206	621	375	*2,320	2,420	980	10,400	890	1,520	1,150	558	286
18	206	678	514	2,120	3,420	940	5,900	950	1,070	1,080	549	286
19	200	801	630	2,580	3,080	1,020	4,380	696	890	920	532	279
20	200	558	716	4,020	2,530	3,080	3,540	782	801	763	506	265
21	206	431	687	3,300	*2,220	5,800	2,970	1,130	734	687	514	265
22	206	352	549	2,580	2,120	5,600	3,190	3,660	716	996	489	265
23	206	308	472	2,750	4,020	7,870	2,860	4,610	658	2,120	464	265
24	206	293	423	2,370	5,900	8,560	2,420	6,700	630	2,530	447	265
25	*194	286	375	2,020	4,720	5,050	2,120	10,200	630	2,220	415	265
26	194	279	368	1,720	3,420	3,300	1,870	8,200	612	2,420	407	258
27	200	293	352	1,420	2,750	2,750	1,620	4,260	612	1,820	363	258
28	218	300	360	1,320	2,370	*2,220	1,470	2,700	576	1,570	360	265
29	230	375	764	1,210	-	1,970	1,370	2,640	567	1,320	345	258
30	218	375	5,270	1,100	-	1,770	1,270	4,380	*549	1,270	338	258
31	206	-	6,000	1,000	-	1,620	-	*3,660	-	1,420	352	-
Total	6,536	9,877	23,165	65,790	114,404	75,630	192,920	68,007	32,215	45,042	21,225	8,884
Mean	211	329	747	2,122	4,086	2,440	6,431	2,194	1,074	1,453	685	296
Cfs/m	0.153	0.239	0.542	1.54	2.97	1.77	4.67	1.59	0.779	1.05	0.497	0.215
In.	0.18	0.27	0.63	1.78	3.09	2.04	5.21	1.84	0.87	1.22	0.57	0.24

Calendar year 1954: Max 10,900 Min 194 Mean 1,026 Cfs/m 0.745 In. 10.11
Water year 1954-55: Max 25,600 Min 194 Mean 1,818 Cfs/m 1.32 In. 17.94

Peak discharge (base, 15,000 cfs).--Feb. 9 (4 a.m.) 19,000 cfs (18.00 ft); Apr. 15 (12 m.) 27,000 cfs (20.15 ft).

* Discharge measurement made on this day.

Cedar Creek at Minter, Ala.

Location.--Lat 32°05', long 86°59', in SE $\frac{1}{4}$ sec. 20, T. 13 N., R. 11 E., on right bank on upstream side of highway bridge, 0.2 mile downstream from Snake Creek, 0.5 mile east of Minter, and 4 miles upstream from Dry Cedar Creek.

Drainage area.--217 sq mi (revised).

Records available.--June 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 123.50 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 8,360 cfs Apr. 10 (gage height, 19.15 ft); minimum, 0.3 cfs Oct. 4 (gage height, 0.34 ft).

1952-55: Maximum discharge, that of Apr. 10, 1955; minimum daily, 0.1 cfs Aug. 12, Sept. 15, 1954.

Remarks.--Records good above 50 cfs, fair between 10 and 50 cfs, and poor below 10 cfs and for periods of no gage-height record.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method Nov. 15 to Jan. 1, Jan. 3-18, Jan. 20 to Feb. 17; backwater from return of overbank flow Apr. 11, 15)

0.29	0.4	3.0	276
.4	2.2	6.0	930
.5	4.4	12.0	2,650
.6	7.1	15.0	4,100
.8	15	17.0	5,600
1.1	36	19.0	8,000
2.0	129		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	4.4	12	268	17	39	24	37	49	19	110	*37
2	.9	3.7	*9.5	236	17	38	30	34	39	16	74	22
3	.6	3.7	9.9	*79	16	37	36	30	34	13	60	12
4	.4	5.0	10	42	14	38	37	28	28	11	55	9.5
5	.7	15	8.8	29	16	35	37	27	27	12	220	8.1
6	.7	30	9.2	23	1,130	33	33	27	24	17	320	7.8
7	2.8	15	7.4	19	2,160	31	41	25	34	59	180	7.8
8	2.7	10	11	17	327	28	63	23	34	41	170	6.8
9	9.8	7.1	12	15	149	27	42	22	27	30	110	6.0
10	7.4	5.7	9.9	18	*104	25	1,320	20	54	30	100	5.1
11	3.7	6.5	9.9	23	81	25	*4,000	19	113	30	130	4.2
12	2.2	5.1	9.9	22	65	26	929	17	81	58	150	4.9
13	1.8	4.9	10	17	53	26	3,730	22	47	125	55	4.7
14	1.4	5.1	15	14	50	26	*7,160	21	30	106	32	4.2
15	1.0	4.9	19	13	49	*24	2,300	19	32	57	21	4.2
16	.7	9.5	14	108	45	24	422	21	128	36	17	4.4
17	.7	17	14	185	59	24	260	31	154	24	14	5.1
18	.7	19	30	209	70	23	*189	45	70	19	12	5.1
19	.6	12	64	382	54	27	149	32	42	16	11	4.9
20	.7	8.5	30	122	47	53	125	27	50	14	10	4.4
21	.7	6.8	18	60	43	60	115	91	26	131	9.0	3.9
22	.7	6.8	14	57	46	54	115	81	*20	216	8.5	3.5
23	.6	6.8	13	57	59	41	97	330	19	422	8.0	3.2
24	.6	6.8	10	47	67	33	81	1,600	16	105	7.8	3.2
25	.4	7.4	9.2	44	51	28	71	*1,640	15	*58	8.0	11
26	.6	6.8	8.5	32	46	26	61	369	32	74	8.5	11
27	*.4	6.8	8.5	27	39	24	53	145	236	230	9.0	5.7
28	.6	8.8	8.8	24	39	24	50	92	152	630	9.0	4.4
29	1.3	15	17	23	-	23	47	84	47	270	8.5	4.4
30	1.2	16	21	21	-----	23	43	92	25	390	8.0	4.4
31	3.2	-----	19	18	-----	24	-----	66	-----	160	8.0	-----
Total	50.7	280.1	462.5	2,251	4,913	969	21,660	5,116	1,665	3,419	1,943.3	222.9
Mean	1.64	9.34	14.9	72.6	175	31.3	722	165	55.5	110	62.7	7.43
Cfsm	0.0076	0.043	0.069	0.334	0.806	0.144	3.33	0.760	0.256	0.507	0.289	0.034
In.	0.009	0.06	0.08	0.39	0.84	0.17	3.71	0.88	0.29	0.59	0.33	0.04

Calendar year 1954: Max 3,270 Min 0.1 Mean 104 Cfsm 0.479 In. 6.52
Water year 1954-55: Max 7,160 Min 0.4 Mean 118 Cfsm 0.544 In. 7.38

Peak discharge (base, 3,500 cfs)--Apr. 10 (10 p.m.) 8,360 cfs (19.15 ft); Apr. 14 (10 a.m.) 7,860 cfs (18.94 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Nov. 4-6, July 26 to Aug. 31; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Flat Creek at Fountain, Ala.

Location.--Lat 31°37', long 87°25', in SW 1/4 sec. 36, T. 8 N., R. 6 E., on downstream side of midchannel pier of bridge on State Highway 11, three-quarters of a mile downstream from St. Louis-San Francisco Railway bridge, 1 mile northwest of Fountain, 2 miles upstream from Bradley Mill Creek, 8 miles upstream from mouth, and 8 miles northwest of Monroeville.

Drainage area.--245 sq mi (revised).

Records available.--February 1944 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 45.48 ft above mean sea level, datum of 1929. Prior to July 21, 1944, wire-weight gage at same site and datum.

Average discharge.--11 years, 273 cfs.

Extremes.--Maximum discharge during year, 6,220 cfs Apr. 15 (gage height, 16.80 ft); minimum, 0.7 cfs Oct. 1-6.

1944-55: Maximum discharge, 26,000 cfs Nov. 27, 1948 (gage height, 23.2 ft), from rating curve extended above 17,000 cfs; minimum, 0.2 cfs Sept. 13, 14, 1954.

Remarks.--Records good above 50 cfs, fair between 10 and 50 cfs, and poor below 10 cfs and for periods of no gage-height record.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 22, July 26 to Sept. 30)

0.62	0	3.0	278
.7	1.9	5.0	800
.9	10	10.0	2,300
1.2	26	14.0	4,020
1.5	55	17.0	6,400
2.0	118		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	2.3	*4.7	82	35	42	23	64	60	31	122	28
2	.7	2.7	5.3	123	38	39	80	58	49	25	86	24
3	.7	2.3	5.9	*141	34	37	200	50	40	21	67	18
4	.7	5.5	6.3	104	30	36	130	45	34	18	57	17
5	.7	9.6	6.3	57	33	35	60	44	31	19	134	16
6	.7	9.6	8.0	39	300	31	45	40	32	65	364	16
7	2.5	7.5	7.5	33	980	28	35	45	53	34	203	14
8	4.7	6.7	7.5	28	1,100	27	29	38	37	25	205	12
9	4.7	6.3	10	26	397	26	28	30	32	53	130	11
10	9.6	5.5	10	28	*172	27	400	28	56	97	79	10
11	9.6	5.5	8.8	27	130	27	2,900	26	112	68	92	9.2
12	8.4	5.1	10	27	100	25	*4,320	24	100	74	177	8.4
13	6.3	4.7	12	26	83	24	4,860	23	66	69	69	8.8
14	*4.3	8.9	11	23	77	23	*4,780	24	44	67	41	8.8
15	3.1	6.3	10	25	75	*23	*5,950	23	33	66	31	8.4
16	2.3	*16	12	50	72	21	3,700	24	33	45	25	8.4
17	2.3	10	15	100	82	21	1,500	30	79	35	23	8.0
18	1.9	8.0	20	150	80	20	600	25	126	34	20	7.5
19	1.6	9.2	22	130	65	22	320	30	59	26	18	7.5
20	1.9	8.0	24	110	60	26	*246	36	34	25	18	7.1
21	1.9	7.5	18	100	55	28	230	53	25	40	16	7.1
22	1.6	6.3	16	95	80	40	210	46	*22	235	14	6.7
23	1.6	5.9	15	87	75	37	220	72	21	159	14	6.3
24	1.6	4.7	14	80	68	31	180	*860	20	131	14	6.7
25	1.9	4.7	14	65	55	26	140	1,520	19	*69	14	7.1
26	1.6	4.3	13	49	46	25	110	1,850	26	94	16	7.1
27	1.6	4.3	12	47	46	24	100	571	26	246	16	6.7
28	1.6	4.7	14	45	45	23	92	181	20	635	16	6.3
29	1.9	4.7	24	42	-	23	87	119	26	238	14	6.3
30	2.3	3.9	24	38	-----	23	72	92	32	364	*14	6.3
31	2.3	-----	35	36	-----	23	-----	77	-----	177	35	-----
Total	87.1	187.7	416.3	2,013	4,390	863	31,647	6,148	1,346	3,285	2,144	314.7
Mean	2.81	6.26	13.4	64.9	157	27.8	1,055	198	44.9	106	69.2	10.5
Cfsm	0.011	0.026	0.055	0.270	0.641	0.113	4.31	0.808	0.183	0.433	0.282	0.043
In.	0.01	0.03	0.06	0.31	0.67	0.13	4.80	0.93	0.20	0.50	0.33	0.065
Calendar year 1954: Max	2,030											
Water year 1954-55: Max	5,950											
Min	0.2											
Mean	103											
Cfsm	0.420											
In.	5.68											

Peak discharge (base, 3,000 cfs).--Apr. 15 (2:30 p.m.) 6,220 cfs (16.80 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Jan. 13 to Feb. 6, Feb. 11 to Mar. 14, Mar. 27 to Apr. 11, Apr. 16-19, Apr. 21 to May 10; discharge estimated on basis of recorded range in stage and records for Limestone Creek near Monroeville.

Limestone Creek near Monroeville, Ala.

Location.--Lat 31°34', long 87°21', in NE¼ sec. 22, T. 7 N., R. 7 E., near left bank on downstream side of pier of bridge on State Highway 11, 3 miles northwest of Monroeville and 10 miles upstream from mouth.

Drainage area.--117 sq mi (revised).

Records available.--December 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 104.88 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Extremes.--Maximum discharge during year, 9,770 cfs Apr. 14 (gage height, 11.50 ft); minimum, 14 cfs Oct. 3 (gage height, 0.53 ft).

1951-55: maximum discharge, that of Apr. 14, 1955; minimum, 12 cfs Sept. 5, 7-10, 12-15, 1954.

Flood in March 1929 reached a stage of about 22 ft, from information by local residents.

Remarks.--Records good above and fair below 50 cfs.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 7-20, Nov. 24 to Dec. 17, July 22-26)

0.6	14	4.0	448
.8	19	6.0	960
1.2	37	7.0	1,320
1.7	70	8.0	1,920
2.3	135	10.0	5,100
3.0	238		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	21	*27	284	57	65	40	88	60	27	79	45
2	16	23	27	196	58	62	198	83	54	33	76	39
3	15	25	27	*90	55	60	102	77	49	32	87	28
4	15	28	26	72	52	59	85	71	46	26	53	25
5	15	47	29	62	54	57	56	68	44	28	150	34
6	15	32	32	56	244	55	58	64	50	36	98	28
7	32	27	30	52	878	52	52	71	77	34	71	26
8	26	26	30	49	256	50	50	64	53	28	61	23
9	21	26	35	49	163	49	48	56	44	26	137	20
10	19	26	36	64	*140	51	352	53	107	87	71	18
11	18	26	32	64	119	51	*1,840	50	355	79	54	18
12	18	26	35	52	101	49	656	49	113	66	46	18
13	19	26	73	48	93	48	1,250	49	74	74	41	19
14	*21	26	53	44	90	47	*4,140	52	60	58	36	21
15	20	28	39	46	88	*47	990	53	53	74	31	23
16	18	*41	34	185	86	45	623	51	54	66	29	22
17	18	37	53	256	93	43	436	63	56	43	27	20
18	19	33	132	154	91	43	344	58	44	38	26	19
19	19	29	70	184	82	46	274	123	39	32	24	18
20	18	27	52	107	77	74	*247	86	36	29	23	17
21	18	26	47	88	74	58	256	187	33	101	21	16
22	19	26	46	98	79	53	256	190	*30	196	20	16
23	18	27	45	86	97	47	197	146	29	126	21	15
24	18	26	43	93	84	45	163	*568	28	109	24	16
25	18	24	41	81	74	43	142	448	29	*70	24	21
26	17	24	40	69	67	41	125	186	28	96	25	19
27	17	26	41	67	66	38	117	115	76	313	26	18
28	20	44	48	68	66	39	111	92	42	101	30	18
29	22	42	152	63	-	41	107	81	33	74	24	18
30	22	30	85	59	-----	40	96	83	28	162	21	17
31	21	-----	68	57	-----	40	-----	68	-----	96	*22	-----
Total	589	875	1,528	2,943	3,484	1,538	13,391	3,493	1,824	2,342	1,458	655
Mean	19.0	28.1	48.3	94.9	124	49.6	446	113	60.8	75.5	47.0	21.8
Cfs/m	0.162	0.249	0.421	0.811	1.06	0.424	3.81	0.966	0.520	0.645	0.402	0.186
In.	0.19	0.28	0.49	0.94	1.11	0.49	4.26	1.11	0.58	0.74	0.46	0.21
Calendar year 1954: Max	1,190				Min 12	Mean 87.4	Cfs/m 0.747	In. 10.15				
Water year 1954-55: Max	4,140				Min 15	Mean 93.5	Cfs/m 0.799	In. 10.86				

Peak discharge (base, 1,300 cfs)--Feb. 7 (8 a.m.) 1,370 cfs (7.10 ft); Apr. 11 (8:30 a.m.) 2,340 cfs (8.88 ft); Apr. 14 (3:30 a.m.) 9,770 cfs (11.50 ft).

* Discharge measurement made on this day.

Alabama River at Claiborne, Ala.

Location.--Lat 31°32', long 87°31', in sec. 25, T. 7 N., R. 5 E., near left bank on downstream side of pier of bridge on U. S. Highway 84 at Claiborne, half a mile downstream from Limestone Creek and 12 miles west of Monroeville.

Drainage area.--22,000 sq mi, approximately.

Records available.--April 1930 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 0.4 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Average discharge.--25 years, 31,780 cfs.

Extremes.--Maximum discharge during year, 135,000 cfs Apr. 20 (gage height, 44.14 ft); minimum, 4,450 cfs Oct. 1 (gage height, 6.64 ft); minimum daily, 4,970 cfs Oct. 1, 1930-55; Maximum discharge, 227,000 cfs Apr. 16, 17, 1938; maximum gage height, 52.25 ft Apr. 17, 1938; minimum discharge, that of Oct. 1, 1954.

Remarks.--Records good. Flow regulated by Allatoona Reservoir, Lake Martin, and Coosa River Reservoirs (see p. 246).

Cooperation.--Gage-height record and 10 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*4,970	6,340	6,790	13,700	15,600	34,700	35,200	23,400	36,800	10,300	27,300	9,730
2	5,340	6,190	6,790	22,500	*13,700	35,800	32,700	21,400	35,800	11,000	26,900	9,280
3	5,950	6,130	6,570	23,700	12,300	36,400	32,900	19,500	32,500	11,200	24,300	10,800
4	6,040	6,040	6,710	25,400	12,800	35,600	32,600	17,800	28,300	10,700	21,400	12,000
5	6,040	*6,190	7,010	26,800	15,900	33,000	32,400	16,900	24,600	10,300	22,600	11,900
6	5,830	6,550	6,790	25,500	17,400	30,300	32,400	16,900	21,800	9,830	21,800	11,100
7	5,530	7,160	7,010	23,400	35,500	27,700	32,200	16,700	19,100	9,600	18,500	9,800
8	5,650	7,240	7,240	21,800	41,300	25,400	35,600	16,400	16,700	9,440	17,100	8,690
9	6,310	7,390	*7,020	20,800	50,200	25,100	39,900	15,600	15,600	9,960	15,900	7,600
10	7,230	7,170	6,790	19,900	64,100	25,100	54,900	14,500	16,200	12,400	14,300	7,390
11	7,540	6,570	7,230	*18,000	72,500	23,900	82,300	12,800	17,200	13,600	13,800	7,770
12	7,320	6,490	7,770	15,600	76,900	22,900	90,700	11,900	17,400	13,400	15,100	8,400
13	6,440	6,860	7,690	15,600	74,700	22,300	103,000	13,200	17,100	*12,700	16,200	8,730
14	5,630	7,160	7,690	18,400	70,700	21,900	114,000	13,900	18,200	13,100	16,400	8,550
15	5,440	7,310	7,610	20,500	63,000	21,000	121,000	13,700	17,500	15,400	16,000	7,920
16	6,010	7,770	7,170	22,300	55,100	20,100	127,000	13,400	16,400	16,400	15,400	7,840
17	6,770	7,460	7,160	23,000	48,400	19,900	130,000	12,400	15,600	16,000	13,900	8,490
18	7,240	7,020	8,160	21,900	42,300	19,900	133,000	11,500	15,700	15,700	12,300	8,890
19	7,020	6,790	8,320	20,800	38,300	19,100	*134,000	11,100	15,400	15,400	11,300	8,550
20	6,360	7,160	8,810	20,100	36,700	18,100	135,000	12,900	15,600	14,400	11,300	8,080
21	5,830	7,840	9,370	22,300	35,100	19,900	133,000	15,800	15,200	14,500	11,600	7,390
22	5,950	8,000	9,190	26,500	33,400	23,900	126,000	18,100	14,000	14,500	12,100	7,020
23	6,250	7,390	8,620	28,000	33,100	28,600	110,000	22,100	12,600	15,200	12,600	6,940
24	6,490	6,870	8,080	27,200	*31,900	33,400	82,000	29,200	12,300	16,200	11,800	7,540
25	6,130	6,570	8,650	27,000	31,300	39,200	58,300	42,500	13,300	17,400	10,700	8,490
26	5,680	6,070	9,630	27,000	32,200	46,100	44,500	51,300	13,200	18,800	10,000	9,300
27	5,590	5,530	9,500	26,500	33,600	50,300	37,000	*52,500	12,700	23,800	11,700	9,440
28	5,440	6,010	8,780	24,500	33,900	50,500	32,800	*50,100	11,900	24,800	11,900	8,690
29	5,740	6,550	8,560	22,500	-	47,500	29,500	45,200	11,900	23,400	11,700	7,310
30	5,950	6,640	10,200	20,000	-----	43,300	26,300	40,900	10,900	23,500	*11,100	7,010
31	6,400	-----	10,300	17,600	-----	39,300	-----	37,900	-----	25,800	10,300	-----
Total	190,110	204,460	247,210	689,000	*1,119.7	940,200	*2,210.2	711,000	541,500	468,730	476,900	260,640
Mean	6,133	6,815	7,975	22,230	39,990	30,330	73,670	22,940	18,050	15,120	15,380	8,688
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-
Calendar year 1954: Max	80,500	Min	4,840	Mean	18,180	Cfsm	0.826	In.	11.22			
Water year 1954-55: Max	135,000	Min	4,970	Mean	22,080	Cfsm	1.00	In.	13.62			

* Discharge measurement made on this day.

* Expressed in thousands.

MOBILE RIVER BASIN

Mackys Creek near Dennis, Miss.

Location.--Lat 34°32', long 88°20', in sec. 26, T. 6 S., R. 9 E., Chickasaw meridian, on left bank at downstream side of bridge on State Highway 4 at Narrows dam site, 6 miles southwest of Dennis and 10 miles upstream from confluence with Browns Creek.

Drainage area.--66 sq mi, approximately.

Records available.--February 1938 to September 1955. Prior to January 1944, monthly discharge only.

Gage.--Water-stage recorder. Datum of gage is 333.47 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, staff gage at same site and datum.

Average discharge.--17 years, 110 cfs.

Extremes.--Maximum discharge during year, 16,300 cfs Mar. 21 (gage height, 28.44 ft), from rating curve above 4,200 cfs on basis of slope-area determination of peak flow; minimum, 10 cfs Sept. 22 (gage height, 1.86 ft).
1938-55: Maximum discharge, that of Mar. 21, 1955; minimum not determined.

Remarks.--Records good except those for period of no gage-height record, which are poor.

Cooperation.--Gage-height record and seven discharge measurements furnished by Corps of Engineers.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.8	7.0	7.0	560
2.0	20	10.0	890
2.2	40	12.0	1,220
2.5	88	14.0	1,770
3.0	208	17.0	2,700
3.5	296	20.0	4,460
4.0	340	23.0	7,220
5.0	400		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	a20	26	74	53	84	94	67	82	29	30	17
2	12	a18	29	64	125	*68	157	59	50	28	29	16
3	12	a20	26	53	70	62	132	54	47	33	28	15
4	15	a22	24	50	56	59	100	51	41	44	27	15
5	14	a24	35	47	73	57	92	47	40	81	26	16
6	14	a25	72	44	394	117	186	47	43	59	24	16
7	14	a22	40	40	340	137	144	43	60	74	23	16
8	14	20	*25	70	132	*81	94	41	*48	67	23	15
9	14	20	49	50	106	65	83	40	37	40	41	14
10	14	19	57	77	92	60	86	40	51	31	26	14
11	14	19	47	81	88	56	280	39	74	*32	25	14
12	14	19	43	*54	72	50	214	70	48	59	98	14
13	31	19	43	46	68	48	682	79	41	67	32	13
14	24	19	39	40	70	47	389	43	112	64	23	14
15	23	19	38	70	68	47	180	45	119	257	22	14
16	18	26	35	74	81	136	135	126	65	176	22	13
17	16	31	36	54	108	136	117	81	48	90	23	12
18	16	26	40	65	79	81	108	48	41	56	22	12
19	*14	24	40	238	70	263	96	40	38	48	22	12
20	13	24	37	98	70	238	94	38	36	41	21	11
21	13	23	33	131	340	*6,430	273	172	35	40	19	11
22	13	22	31	255	928	*6,860	228	1,660	30	41	19	11
23	14	22	29	110	399	688	123	429	33	39	19	11
24	14	22	25	86	175	298	202	205	29	69	*19	12
25	a15	22	23	74	130	223	135	144	32	59	17	16
26	a20	22	22	67	110	177	102	108	98	54	16	14
27	a25	23	72	70	102	132	92	83	121	180	18	12
28	a35	26	185	64	90	123	88	84	45	135	17	*16
29	a30	38	620	54	7	112	84	305	40	57	17	17
30	a25	29	253	51	-----	104	75	112	36	44	20	21
31	a22	-----	88	48	-----	98	-----	81	-----	37	22	-----
Total	544	685	2,112	2,369	4,489	17,137	4,865	4,481	1,601	2,131	788	424
Mean	17.5	22.8	68.1	76.4	160	553	162	145	53.4	68.7	25.4	14.1
Cfsm	0.265	0.345	1.03	1.16	2.42	8.38	2.45	2.20	0.809	1.04	0.385	0.214
In.	0.31	0.39	1.19	1.33	2.53	9.66	2.74	2.52	0.90	1.20	0.44	0.24

Calendar year 1954: Max 1,580 Min 8.8 Mean 62.4 Cfsm 0.945 In. 12.86
Water year 1954-55: Max 6,860 Min 11 Mean 114 Cfsm 1.73 In. 23.45

Peak discharge (base, 1,500 cfs).--Mar. 21 (11 p.m.) 16,300 cfs (28.44 ft); May 22 (9:30 a.m.) 2,350 cfs (18.08 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for East Fork Tombigbee River near Fulton.

East Fork Tombigbee River near Fulton, Miss.

Location.--Lat 34°15'55", long 88°26'42", in SE $\frac{1}{4}$ sec. 27, T. 9 S., R. 8 E., Chickasaw meridian, on left bank at downstream side of bridge on U. S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2 miles west of Fulton, 6 $\frac{1}{2}$ miles upstream from Mantachie Creek Canal, and 13 $\frac{1}{2}$ miles downstream from Twentymile Creek Canal.

Drainage area.--605 sq mi.

Records available.--August 1928 to September 1955. Gage-height records collected at site 800 ft upstream 1909-12 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 242.70 ft above mean sea level, datum of 1929. Prior to Oct. 27, 1934, chain gage at bridge 200 ft upstream and Oct. 27, 1934, to Aug. 22, 1939, wire-weight gage at present site, both at present datum.

Average discharge.--27 years, 905 cfs.

Extremes.--Maximum discharge during year, 82,200 cfs Mar. 22 (gage height, 25.75 ft), from rating curve extended above 30,000 cfs on basis of estimate of flow made by indirect methods and by logarithmic plotting; minimum, 23 cfs Oct. 12 (gage height, 1.78 ft).

1928-55: Maximum discharge, that of Mar. 22, 1955; minimum, 12 cfs Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft Aug. 12, 1930.

Remarks.--Records good except those above 35,000 cfs and those for period of shifting-control method, which are fair.

Rating tables, water year 1954-55, except period of shifting control (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Mar. 22

Mar. 23 to Sept. 30

1.8	24	15.0	1,810	2.3	34	13.0	1,070
2.0	32	15.5	2,360	3.0	63	14.0	1,300
3.0	74	16.0	3,900	4.0	121	15.0	1,720
4.0	141	17.0	9,000	7.0	380	15.5	2,350
7.0	424	18.0	15,000	11.0	788	16.0	3,900
10.0	729	22.0	54,200				
12.0	969	25.0	73,300				
14.0	1,360						

Note.--Same as preceding table above 16.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	54	108	864	255	984	*640	510	690	250	410	58
2	26	49	88	840	*302	795	580	440	*520	172	259	33
3	37	48	88	707	364	634	777	380	360	132	184	48
4	30	58	91	514	304	544	700	331	277	114	164	45
5	30	58	85	394	274	484	800	295	228	231	132	44
6	35	69	94	314	795	494	1,090	268	200	490	114	45
7	36	72	118	284	1,170	828	1,270	250	380	550	105	44
8	26	60	122	224	1,330	*773	1,330	223	500	600	99	44
9	25	58	122	210	1,430	644	1,240	200	322	420	108	45
10	24	56	125	237	1,360	624	1,110	184	250	304	124	41
11	24	56	157	304	1,190	584	1,160	172	277	*218	99	40
12	26	54	122	314	901	514	1,430	184	304	168	128	40
13	32	54	118	264	624	464	3,530	268	232	160	164	39
14	*34	54	111	228	484	424	9,300	295	241	152	146	40
15	46	54	111	237	424	384	5,130	232	610	550	108	39
16	45	69	104	284	394	464	3,020	228	620	1,020	90	38
17	43	69	97	314	454	901	1,910	304	460	1,090	81	37
18	36	91	97	294	454	999	1,440	295	380	1,070	76	36
19	32	82	108	624	414	1,100	1,140	250	295	946	73	36
20	32	69	*108	664	394	1,380	918	228	223	630	76	34
21	33	64	100	564	835	12,400	932	367	200	390	66	34
22	35	*62	94	914	1,700	e68,600	1,140	1,250	188	400	62	34
23	34	60	88	1,019	5,600	*e28,700	1,400	4,250	138	480	60	34
24	34	60	88	901	6,000	e6,210	1,610	5,510	124	390	*56	36
25	34	60	88	773	3,580	e3,220	*1,560	3,140	114	340	54	38
26	35	60	85	644	2,120	e2,120	1,520	1,830	180	380	53	42
27	37	62	85	514	1,550	1,610	1,330	1,270	490	420	51	44
28	48	69	294	424	1,230	1,300	1,090	904	550	733	50	44
29	72	82	1,050	364	-	1,090	846	1,160	420	824	48	42
30	72	118	1,100	314	-----	904	640	1,120	350	876	52	41
31	62	-----	984	274	-----	755	-----	862	-----	700	52	-----
Total	1,140	1,929	6,233	14,791	35,934	140,927	50,683	27,200	10,123	15,200	3,344	1,233
Mean	36.8	64.3	201	477	1,283	4,546	1,689	877	337	490	108	41.1
Cfs/m	0.061	0.106	0.332	0.788	2.12	7.51	2.79	1.45	0.557	0.810	0.179	0.068
In.	0.07	0.12	0.38	0.98	2.21	8.66	3.12	1.67	0.62	0.93	0.21	0.06

Calendar year 1954: Max 9,450 Min 16 Mean 403 Cfs/m 0.666 In. 9.05
 Water year 1954-55: Max 68,600 Min 24 Mean 846 Cfs/m 1.40 In. 18.98

Peak discharge (base, 8,000 cfs).--Mar. 22 (12 m.) 82,200 cfs (25.75 ft); Apr. 14 (9 a.m.) 10,800 cfs (17.28 ft).

* Discharge measurement made on this day.

e Shifting-control method used.

Bull Mountain Creek at Tremont, Miss.

Location.--Lat 34°14'20", long 88°16'15", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 10 S., R. 10 E., Chickasaw meridian, near left bank on downstream side of bridge on U. S. Highway 78, 0.7 mile northwest of Tremont, 1 mile upstream from Johns Creek, $\frac{1}{2}$ miles upstream from Cypress Creek, $\frac{3}{4}$ miles upstream from Chubby Creek, and 8 miles southeast of Fulton.

Drainage area.--120 sq mi, approximately.

Records available.--October 1943 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 317.39 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

Average discharge.--12 years, 213 cfs.

Extremes.--Maximum discharge during year not determined, occurred Mar. 21 (gage height, 11.28 ft); minimum, 7.6 cfs Oct. 1 (gage height, 1.92 ft).
1943-55: Maximum discharge determined, 13,500 cfs Mar. 29, 1951 (gage height, 9.65 ft); maximum gage height, that of Mar. 21, 1955; minimum discharge, 4.6 cfs Sept. 13, 1954 (gage height, 1.78 ft).

Remarks.--Records good below 600 cfs, fair between 600 and 7,000 cfs, and poor above 7,000 cfs.

Cooperation.--Gage-height record and 10 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 4-9, 11-28, July 16-29)

Oct. 1 to Feb. 22

Feb. 23 to Sept. 30

1.9	7	3.0	74	2.2	5	7.0	930
2.0	10	4.0	168	2.5	19	7.5	1,960
2.5	36	6.0	408	3.0	53	8.0	3,400
				4.0	153	8.5	5,200
				6.0	408	9.0	8,100
				6.5	530	9.5	12,100
				6.8	700		

Note.--Same as following table above 6.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.9	a28	52	333	124	262	207	130	126	42	52	30
2	9.1	a26	47	257	147	*251	268	118	105	58	49	20
3	9.1	a24	46	184	137	201	268	110	90	40	48	16
4	10	a35	42	162	121	189	219	101	78	45	44	15
5	8.8	a45	40	147	121	183	243	*96	71	71	39	14
6	7.9	a40	44	137	436	189	268	90	67	327	37	14
7	19	36	*46	125	1,100	237	416	84	122	207	34	16
8	33	34	*41	114	840	*177	353	79	*106	177	34	14
9	16	31	60	114	382	153	282	75	73	109	55	13
10	12	31	110	137	291	149	249	70	66	86	55	13
11	12	30	63	157	285	145	340	67	78	*105	41	12
12	11	29	54	*132	231	134	388	67	72	76	34	12
13	15	29	62	121	196	127	1,260	95	61	69	39	16
14	a14	30	68	110	184	119	1,800	80	67	112	31	14
15	a14	32	56	122	179	114	927	65	146	177	29	12
16	a14	52	51	168	168	159	536	66	98	288	27	11
17	20	98	48	142	225	249	400	62	75	*215	26	10
18	18	58	59	137	190	177	340	56	62	149	26	10
19	16	55	65	321	174	350	282	51	54	113	51	10
20	*14	66	59	303	162	562	249	48	47	95	34	8.6
21	a14	53	52	255	497	e10,300	308	222	44	99	27	8.2
22	a14	44	49	408	3,970	e8,930	353	560	42	99	24	8.2
23	a14	40	47	345	3,370	1,610	268	520	42	213	23	8.2
24	14	59	46	255	1,250	*826	249	225	41	177	*21	10
25	a14	56	44	213	643	565	256	177	39	128	18	12
26	a14	35	42	179	416	416	207	139	112	165	16	14
27	a15	35	43	162	340	340	189	112	148	111	16	14
28	a25	42	176	162	301	301	171	96	83	92	14	*13
29	a45	93	985	147	-	268	159	366	58	76	14	13
30	a40	76	2,630	137	-----	243	143	288	48	67	19	13
31	31	-----	997	126	-----	225	-----	165	-----	59	64	-----
Total	520.8	1,300	6,224	5,792	16,480	28,131	11,598	4,480	2,321	3,825	1,041	394.2
Mean	16.8	43.3	201	187	589	907	387	145	77.4	123	33.6	13.1
Cfam	0.140	0.361	1.68	1.56	4.91	7.56	3.22	1.21	0.645	1.02	0.280	0.109
In.	0.16	0.40	1.93	1.80	5.11	8.72	3.59	1.39	0.72	1.19	0.32	0.12

Calendar year 1954: Max 3,490 Min 5.0 Mean 136 Cfam 1.13 In. 15.34
Water year 1954-55: Max 10,300 Min 7.9 Mean 225 Cfam 1.88 In. 25.45

Peak discharge (base, 4,000 cfs).--Feb. 22 (9 p.m.) 5,900 cfs (8.64 ft); Mar. 21 (10 p.m.) discharge unknown (11.28 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for station at Smithville.

e Daily discharge partly estimated.

Bull Mountain Creek near Smithville, Miss.

Location.--Lat 34°05', long 88°24', in SE¹ sec. 30, T. 11 S., R. 9 E., Chickasaw meridian, on right bank at downstream side of old bridge on State Highway 25, 0.8 mile upstream from Mississippian Railway bridge, 1.1 miles north of Smithville, and 3½ miles upstream from mouth.

Drainage area.--335 sq mi.

Records available.--October 1940 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 234.81 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 5, 1944, staff gage and July 5, 1944, to Oct. 14, 1948, wire-weight gage, at same site and datum.

Average discharge.--15 years, 526 cfs.

Extremes.--Maximum discharge during year not determined, occurred Mar. 22 (gage height, 17.18 ft); minimum, 25 cfs Oct. 1 (gage height, 1.47 ft).

1940-55: Maximum discharge not determined, occurred Mar. 22, 1955 (gage height, 17.18 ft); minimum, 19 cfs Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

Remarks.--Records good except those for periods of no gage-height record and for Mar. 22, which are fair.

Cooperation.--Gage-height record and nine discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

(Shifting-control method used Apr. 29 to May 21,
May 28, 29, June 2-22)

Oct. 1 to May 22				May 23 to Sept. 30			
1.4	22	9.0	1,750	2.2	30	8.0	1,580
1.5	26	10.0	2,500	2.6	59	9.5	2,060
2.0	55	11.0	4,000	3.4	149	10.5	3,120
3.0	137	12.0	6,200	4.0	249	12.0	6,200
4.0	280	13.0	10,000	5.0	470	14.0	15,900
5.0	487	15.5	26,700				
7.0	1,060						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	62	112	2,120	255	a700	484	288	480	110	141	78
2	27	51	91	1,750	272	*604	670	249	305	98	125	72
3	28	47	80	660	306	558	685	229	240	90	111	58
4	26	54	79	415	280	462	625	203	199	87	107	50
5	26	58	79	342	272	426	567	*185	172	105	101	48
6	28	61	79	315	1,030	404	633	172	180	216	94	47
7	28	71	*78	280	1,150	438	1,150	161	167	790	88	45
8	29	67	*80	255	1,310	558	1,210	149	288	664	160	45
9	45	60	95	239	1,630	426	1,280	135	*215	567	199	44
10	41	57	104	265	1,450	362	910	125	164	369	108	48
11	34	55	147	315	820	342	880	117	154	268	107	44
12	32	54	122	333	646	333	1,330	111	158	240	138	42
13	41	53	109	*288	500	315	2,500	117	148	193	98	43
14	40	52	108	247	426	*297	3,200	158	141	177	87	42
15	40	52	114	255	404	288	4,700	139	193	265	78	42
16	42	67	103	306	415	288	3,050	114	298	511	73	40
17	45	71	97	352	474	420	2,060	108	211	*850	68	38
18	49	104	95	333	474	578	1,450	110	160	820	66	37
19	40	97	100	604	393	578	970	101	132	*518	64	36
20	*37	81	108	732	a350	850	745	95	116	278	71	35
21	37	79	104	761	a2,000	4,830	970	156	108	215	70	34
22	37	81	98	820	a5,000	f30,400	970	790	102	215	59	34
23	37	73	95	880	a6,000	*13,000	1,000	1,060	98	215	57	34
24	37	68	91	820	a5,000	4,500	850	1,450	96	558	*54	34
25	37	65	89	551	a4,000	2,600	685	1,480	91	670	51	35
26	37	64	86	426	a2,500	1,800	596	632	126	419	49	36
27	37	64	85	372	a1,500	1,310	470	372	372	553	48	36
28	40	69	132	342	a1,000	940	407	278	372	350	45	38
29	50	80	850	324	-	715	372	936	220	249	45	37
30	68	95	940	297	-----	610	329	1,150	136	194	194	37
31	69	-----	1,120	272	-----	539	-----	1,030	-----	161	87	-----
Total	1,187	2,012	5,676	16,269	39,857	70,431	35,748	12,400	5,825	11,018	2,839	1,289
Mean	38.3	67.1	183	525	1,420	2,270	1,190	400	194	355	91.6	43.0
Cfsm	0.114	0.200	0.546	1.57	4.24	6.78	3.55	1.19	0.579	1.06	0.273	0.128
In.	0.13	0.22	0.63	1.81	4.42	7.82	3.97	1.38	0.65	1.22	0.32	0.14

Calendar year 1954: Max 6,300 Min 19 Mean 312 Cfsm 0.931 In. 12.62

Water year 1954-55: Max 30,400 Min 25 Mean 560 Cfsm 1.67 In. 22.71

Peak discharge (base, 5,000 cfs).--Feb. 23 (time and discharge unknown); Mar. 22 (about 12 m.) discharge unknown (17.18 ft); Apr. 15 (7:30 a.m.) 5,100 cfs (11.56 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for station at Tremont.

f Computed on basis of partly estimated gage-height record.

Oldtown Creek at Tupelo, Miss.

Location.--Lat 34°17'40", long 88°42'35", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 9 S., R. 6 E., Chickasaw meridian, on left bank at downstream side of bridge on U. S. Highway 45, half a mile north of city limits of Tupelo, three-quarters of a mile upstream from Gulf, Mobile and Ohio Railroad bridge, and 4 miles upstream from Mud Creek.

Drainage area.--112 sq mi.

Records available.--February 1944 to September 1946, October 1951 to September 1955.

Gage.--Water-stage recorder. Feb. 9 to Aug. 2, 1944, chain gage and Aug. 3, 1944, to Sept. 30, 1946, wire-weight gage, at site $2\frac{1}{4}$ miles downstream at different datum.

Average discharge.--6 years, 176 cfs.

Extremes.--Maximum discharge during year, 23,000 cfs Mar. 21 (gage height, 27.72 ft), from rating curve extended above 12,000 cfs; no flow at times.

1944-46, 1951-55: Maximum discharge, that of Mar. 21, 1955; no flow at times.
Flood of Jan. 3, 1951, reached a stage of 26.01 ft, present site and datum, from records of Corps of Engineers.

Remarks.--Records fair except those above 80 cfs and those for periods of no gage-height record, which are poor.

Cooperation.--Gage-height record and 14 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.2	0.5	10	7.2	*31	54	32	23	a7.0	5.0	0.1
2	.4	.2	.4	7.4	7.8	25	162	29	18	a8.0	4.2	0
3	.3	.2	.4	5.5	5.5	21	85	25	15	a5.0	3.8	0
4	.2	.3	.4	4.6	5.1	20	60	21	12	a4.5	3.3	.2
5	.2	.4	.4	4.2	10	20	342	*19	11	4.4	2.7	.2
6	.2	.4	.4	3.9	1,290	142	212	17	112	63.0	2.2	.4
7	.2	.4	*.3	3.4	184	*116	450	16	*167	26.0	2.1	.2
8	.2	.4	*.4	3.1	53	45	130	15	36	7.2	2.4	.4
9	.3	*.4	.9	3.1	31	33	79	13	16	4.4	10	.2
10	.2	.4	1.1	2.4	21	30	83	12	19	3.5	4.2	.2
11	.2	.4	.6	*1.5	16	28	909	12	60	17	3.6	.2
12	.4	.4	.8	8.8	11	24	1,330	43	25	10	4.2	.2
13	1.9	.4	1.5	4.2	9.8	23	5,520	28	15	5.4	2.2	.2
14	1.3	.4	1.2	3.4	9.8	21	305	15	171	7.4	1.0	.1
15	.5	.4	1.1	6.8	10	19	228	11	261	*1,120	1.0	.1
16	.3	.4	.9	12	22	302	148	11	60	157	1.2	.1
17	.3	.4	.8	7.4	39	165	112	17	30	36	1.0	0
18	.2	.5	.8	111	18	59	91	11	19	*170	1.0	0
19	*.1	.5	.7	*379	14	1,510	74	8.3	15	22	.9	0
20	.1	.5	.7	41	14	312	65	7.8	14	12	.9	0
21	.1	.6	.7	389	1,500	15,800	1,360	510	12	170	1.0	0
22	0	.6	.6	389	300	*9,490	286	*1,330	10	25	1.0	0
23	0	.5	.6	46	150	620	119	213	12	13	*.9	.2
24	0	.5	.5	22	81	220	1,050	869	9.5	123	.6	.5
25	0	.5	.5	14	53	156	152	106	8.9	47	.5	.6
26	0	.5	.5	9.8	44	126	79	48	10	34	.5	.2
27	.1	.5	.5	8.4	39	85	60	28	82	55	.5	*0
28	.1	.5	1,960	8.0	35	76	51	55	14	12	.4	.1
29	.1	.5	1,620	6.4	-	70	45	1,600	9.5	8.3	.2	.2
30	.2	.5	55	6.0	-----	60	37	85	8.3	6.6	.5	0
31	.2	-----	18	5.6	-----	56	-----	37	-----	6.0	.4	-----
Total	8.6	12.8	3,671.2	1,524.9	3,980.2	29,705	14,278	5,244.1	1,275.2	2,187.7	63.4	4.6
Mean	0.28	0.43	118	49.2	142	958	476	169	42.5	70.6	2.05	0.15
Cfsm	0.0025	0.0038	1.05	0.439	1.27	8.55	4.25	1.51	0.379	0.630	0.018	0.0013
In.	0.003	0.004	1.22	0.51	1.32	9.86	4.74	1.74	0.42	0.73	0.02	0.002

Calendar year 1954: Max 4,250 Min 0 Mean 75.5 Cfsm 0.674 In. 9.15
Water year 1954-55: Max 15,800 Min 0 Mean 170 Cfsm 1.52 In. 20.57

Peak discharge (base, 6,000 cfs).--Mar. 21 (8 p.m.) 23,000 cfs (27.72 ft); Apr. 13 (9 a.m.) 8,080 cfs (23.45 ft).

* Discharge measurement or observation of no flow made on this day.
a No gage-height record; discharge estimated on basis weather records and records for Euclatubba Creek at Salttillo.

Euclautubba Creek at Saltillo, Miss.

Location.--Lat 34°22'20", long 88°42'00", in SW¹/₄ sec. 20, T. 8 S., R. 6 E., Chickasaw meridian, on downstream side of right main pier of bridge on U. S. Highway 45 at Saltillo, a quarter of a mile downstream from Flat Creek and 2¹/₄ miles upstream from mouth.

Drainage area.--19.7 sq mi.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year not determined, occurred Mar. 21 (gage height, 14.53 ft); no flow at times.

1951-55: Maximum discharge not determined, occurred Mar. 21, 1955 (gage height, 14.53 ft); maximum determined, 3,480 cfs Mar. 22, 1953 (gage height, 13.48 ft); no flow at times.

Flood of Jan. 3, 1951, reached a stage of 13.65 ft, from records of Corps of Engineers.

Remarks.--Records fair except those above 3,000 cfs, which are poor.

Cooperation.--Gage-height record and 12 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	3.0	3.6	*5.4	7.3	3.9	2.9	0.3	0.3	
2	0	0	.2	2.2	3.6	4.0	20	3.2	2.4	.3	.3	
3	0	0		1.8	2.9	3.8	8.3	2.9	2.1	.3	.2	
4	0	.1	.1	1.8	2.8	3.7	6.0	2.3	1.8	.3	.2	
5	0	.1	6.5	1.8	7.8	3.3	148	*2.0	1.6	2.0	.2	
6	67	0	.8	1.6	338	51	24	1.8	2.9	70	.2	
7	1.8	0	*1.1	1.3	25	*13	76	1.8	5.3	6.3	.1	
8	0	0	*1.1	1.2	12	7.7	16	1.5	*1.8	1.7	12	
9	0	0	5.2	1.9	8.7	6.2	11	1.3	1.2	.8	16	
10	0	0	.7	21	7.5	5.7	23	1.2	2.0	.6	1.6	
11	0	0	.2	*3.2	7.1	5.0	193	1.2	4.2	1.2	.9	
12	0	0	1.5	2.5	5.3	4.3	279	8.7	1.4	.6	.7	
13	0	0	1.3	2.1	5.0	4.6	438	4.4	1.1	.5	.4	
14	0	0	.3	2.0	5.5	4.3	25	1.4	30	.6	.2	
15	0	0	.2	6.8	5.4	4.0	14	1.2	7.3	*161	.2	
16	0	.2	.1	4.0	15	79	10	1.1	3.4	35	1.2	
17	0	.2	.2	2.5	12	14	7.6	1.0	2.3	5.3	.3	
18	0	0	.2	71	7.6	10	5.7	1.0	1.7	*3.1	.2	
19	*0	0	*95	6.7	336	4.6	4.6	.9	1.4	2.1	.1	
20	0	0	.1	7.3	17	34	4.2	.7	1.2	1.4	.1	
21	0	0	.1	198	470	4,020	220	182	1.0	2.9	0	
22	0	*0	.1	46	186	304	20	*301	.8	1.2	0	
23	0	0	.1	8.8	20	25	160	15	.7	.9	*0	
24	0	0	.1	6.5	11	18	100	18	.6	1.8	0	
25	0	0	.1	5.3	8.2	16	14	7.3	.6	2.9	0	
26	0	0	.1	4.3	7.2	13	9.8	4.7	6.1	3.0	0	
27	11	.1	.1	4.4	6.7	9.4	7.8	5.4	2.4	1.2	0	
28	2.3	.4	632	4.3	6.0	8.8	7.0	2.9	.7	1.1	0	
29	.7	.4	284	3.6	-	7.6	6.0	181	.5	.7	0	
30	0	.2	6.4	3.2	-----	6.6	4.6	7.1	.4	.5	0	
31	0	-----	3.4	3.1	-----	6.1	-----	4.0	-----	.4	0	
Total	82.8	1.7	944.7	521.5	1,213.6	5,033.5	1,869.9	769.9	91.8	310.0	35.4	0
Mean	2.67	0.06	30.5	16.8	43.3	162	62.3	24.8	3.06	10.0	1.14	0
Cfsm	0.136	0.0030	1.55	0.853	2.20	8.22	3.16	1.26	0.155	0.508	0.059	0
In.	0.16	0.003	1.78	0.98	2.29	9.50	3.53	1.45	0.17	0.59	0.07	0
Calendar year 1954: Max	632			Min	0	Mean	12.2	Cfsm	0.619	In.	8.38	
Water year 1954-55: Max	4,020			Min	0	Mean	29.8	Cfsm	1.51	In.	20.52	

Peak discharge (base, 2,000 cfs).--Mar. 21 (6 p.m.) discharge unknown (14.53 ft).

* Discharge measurement or observation of no flow made on this day.

Tombigbee River near Amory, Miss.

Location.--Lat 33°59'10", long 88°33'05", in NE $\frac{1}{4}$ sec. 3, T. 13 S., R. 7 E., Chickasaw meridian, near right bank on downstream side of bridge on State Highway 41, 0.3 mile downstream from confluence of West and East Forks of Tombigbee River and $3\frac{1}{2}$ miles west of Amory.

Drainage area.--1,941 sq mi.

Records available.--December 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 178.34 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, staff gage at site 1,550 ft upstream at same datum. Oct. 10, 1939, to Apr. 25, 1944, staff gage and Apr. 26, 1944, to Oct. 16, 1948, wire-weight gage, at present site and datum. Water-stage recorder for station at Aberdeen, 20 miles downstream, is used as an auxiliary gage for this station.

Average discharge.--18 years, 2,999 cfs.

Extremes.--Maximum discharge during year, 126,000 cfs Mar. 22; maximum gage height, 34.47 ft Mar. 23; minimum discharge, 69 cfs Oct. 4 (gage height, 1.75 ft).
1937-55: Maximum discharge, that of Mar. 22, 1955; maximum gage height, that of Mar. 23, 1955; minimum discharge 45 cfs Sept. 20, 1954; minimum gage height, 0.77 ft Sept. 1, 1943.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Discharge above about 4,000 cfs computed using fall as a factor.

Cooperation.--Gage-height record and 11 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	158	234	2,640	780	4,600	2,470	1,980	4,490	656	1,010	322
2	86	142	256	3,200	885	3,450	2,940	1,470	2,550	566	722	256
3	79	125	230	2,750	860	*3,140	2,660	1,170	2,040	483	a600	206
4	72	140	208	1,790	885	2,930	2,500	1,010	1,320	457	a480	179
5	75	158	212	1,340	820	2,210	2,430	908	1,010	444	a420	161
6	77	160	210	1,070	5,720	1,850	3,730	*830	1,010	1,790	a380	158
7	92	154	208	860	7,880	2,690	7,340	775	1,370	3,150	a460	154
8	103	170	*214	760	3,500	2,330	4,870	722	1,580	2,040	624	147
9	89	163	*256	700	3,470	2,210	3,780	656	*1,240	1,530	970	144
10	92	154	293	760	3,590	1,910	3,640	625	991	1,170	566	142
11	89	142	296	1,070	3,410	1,670	9,100	580	898	849	a700	144
12	86	140	329	910	2,750	1,520	9,170	566	868	705	1,280	140
13	100	136	342	*885	2,510	1,310	25,200	868	793	595	a800	130
14	114	138	298	760	2,150	*1,160	34,200	705	1,450	538	a450	128
15	119	138	280	740	1,610	1,040	20,300	705	2,720	2,780	a350	127
16	106	172	274	935	1,370	1,310	17,600	656	1,690	5,030	a280	127
17	114	174	258	935	1,550	2,570	15,900	595	1,470	2,500	a250	123
18	109	198	252	996	1,520	2,210	11,200	625	1,080	*2,500	a230	116
19	106	234	249	4,520	1,430	5,640	6,900	595	868	*2,300	a240	111
20	*98	232	252	2,570	1,250	6,760	4,670	538	722	1,740	a260	110
21	90	206	260	2,390	5,430	21,000	7,630	1,160	610	1,420	a230	110
22	90	190	254	5,400	19,600	*111,000	13,000	16,000	538	1,120	a210	111
23	90	180	238	2,990	19,700	110,000	5,580	18,500	595	888	a200	113
24	90	167	232	2,630	12,200	*76,400	4,650	8,760	510	1,170	a190	120
25	90	158	228	2,330	12,000	39,400	4,740	6,340	483	1,860	*178	127
26	90	154	220	1,910	11,800	22,200	3,440	6,830	483	1,580	159	123
27	90	156	218	1,550	9,910	13,700	3,150	5,980	885	1,170	163	122
28	98	170	1,396	1,310	6,800	8,540	2,930	4,260	1,100	1,220	161	127
29	124	202	11,600	1,130	-	5,570	2,720	14,700	1,060	1,080	154	*128
30	136	210	8,040	960	-----	3,920	2,430	24,400	793	1,100	374	130
31	160	-----	2,390	860	-----	2,920	-----	9,640	-----	1,100	538	-----
Total	3,035	5,021	30,227	53,651	145,380	467,160	241,090	133,349	37,207	45,531	13,639	4,336
Mean	97.9	167	975	1,731	5,192	15,070	8,036	4,302	1,240	1,469	440	145
Cfs/m	0.050	0.086	0.502	0.892	2.67	7.76	4.14	2.22	0.639	0.757	0.227	0.075
In.	0.06	0.10	0.58	1.03	2.79	8.95	4.62	2.55	0.71	0.87	0.26	0.08
Calendar year 1954: Max				20,800	Min 51	Mean 1,477	Cfs/m 0.761	In. 10.34				
Water year 1954-55: Max				111,000	Min 72	Mean 3,232	Cfs/m 1.67	In. 22.60				

Peak discharge (base, 15,000 cfs).--Feb. 22 (12 p.m.) 24,200 cfs (22.47 ft); Mar. 22 (11 a.m.) 126,000 cfs (34.47 ft at 6:30 a.m. Mar. 23); Apr. 14 (6 a.m.) 37,100 cfs (26.04 ft at 9 a.m.); Apr. 22 (5 a.m.) 16,000 cfs (19.58 ft); May 22 (12 p.m.) 22,600 cfs (21.20 ft at 1:30 a.m. May 23); May 30 (7 a.m.) 27,800 cfs (22.47 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for nearby stations.

Tombigbee River at Aberdeen, Miss.

Location.--Lat 33°49'14", long 88°31'07", in N $\frac{1}{2}$ sec. 27, T. 14 S., R. 19 W., Huntsville meridian, on left bank at downstream side of bridge of U. S. Highway 45, 1.3 miles downstream from St. Louis-San Francisco Railway bridge, 1.5 miles east of Aberdeen, 2 miles downstream from Mattubby Creek, 6 miles downstream from Halfway Creek, 13 $\frac{1}{2}$ miles upstream from McKinley Creek, and at mile 384.6 (by U. S. Weather Bureau).

Drainage area.--2,210 sq mi, approximately.

Records available.--August 1928 to September 1955. Gage-height records collected at site 1.3 miles upstream since 1909 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 154.71 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Nov. 4, 1934, chain gage at site 1.3 miles upstream at present datum. Nov. 4, 1934, to Aug. 30, 1939, wire-weight gage at present site and datum. Water-stage recorder for station at Amory, 20 miles upstream, is used as an auxiliary gage for this station.

Average discharge.--27 years, 3,091 cfs.

Extremes.--Maximum discharge during year, 106,000 cfs Mar. 23; maximum gage height, 42.40 ft Mar. 23; minimum discharge, 80 cfs Oct. 1 (gage height, 0.84 ft). 1928-55: Maximum discharge, that of Mar. 23, 1955; maximum gage height, that of Mar. 23, 1955; minimum discharge, 58 cfs Sept. 1, 2, 1943; minimum gage height, 0.77 ft Sept. 12, 13, 1954.

Maximum stage known, 44.8 ft Apr. 20, 1892, former site, present datum.

Remarks.--Records good. Discharge above about 1,500 cfs computed using fall as a factor.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	80	183	260	3,520	848	8,720	5,820	2,290	*8,800	796	1,240	515
2	94	170	283	3,380	848	6,900	4,080	1,650	5,440	645	1,030	340
3	99	158	283	3,280	900	5,040	3,560	1,450	3,860	559	744	283
4	92	164	260	2,110	874	3,200	2,910	1,260	1,890	485	559	238
5	85	176	248	1,450	874	2,230	2,960	1,130	1,290	468	486	210
6	87	190	238	1,110	3,940	1,820	4,100	1,030	1,110	1,190	434	196
7	88	183	238	900	7,790	2,130	7,190	926	1,210	2,700	392	183
8	106	183	238	770	6,220	2,130	7,180	848	1,720	2,660	959	183
9	115	190	260	693	4,570	2,040	5,820	770	1,450	1,960	1,770	176
10	104	183	307	693	3,640	1,820	4,550	718	1,190	1,470	1,380	170
11	103	170	332	978	3,570	1,650	6,300	669	1,030	1,130	718	170
12	*101	164	349	978	2,980	1,500	6,440	622	978	900	1,200	170
13	106	158	384	900	2,440	1,390	16,400	822	900	*770	952	164
14	120	154	384	770	2,110	1,290	22,300	848	926	669	522	158
15	128	156	332	718	1,720	1,210	23,500	796	2,700	960	451	158
16	127	170	315	926	1,390	1,130	20,000	718	2,120	4,200	408	156
17	117	*217	307	1,000	1,470	1,810	17,900	693	1,630	3,200	349	154
18	120	248	291	1,000	1,580	1,980	15,100	669	1,340	2,480	324	150
19	121	246	283	3,760	1,470	2,840	12,700	669	1,060	2,470	299	147
20	118	268	283	3,610	1,340	5,770	9,920	622	874	2,030	299	144
21	110	253	*283	2,400	3,120	9,730	9,460	669	744	1,680	307	137
22	103	224	291	4,470	11,400	36,800	10,900	6,390	622	1,450	283	135
23	102	210	276	3,910	*14,800	*94,400	9,140	10,300	600	1,060	*260	135
24	104	203	268	2,700	13,800	92,400	7,620	10,000	622	1,190	238	136
25	104	190	260	2,300	13,600	57,300	6,600	8,780	504	1,760	238	141
26	104	183	253	*1,960	13,200	34,600	4,710	8,000	486	1,850	224	147
27	106	183	246	1,640	12,400	21,700	*3,380	7,140	714	1,450	210	146
28	109	203	294	1,570	10,800	15,300	2,970	5,780	1,110	1,450	203	146
29	117	246	5,670	1,190	-	11,900	2,800	6,590	1,160	1,240	196	151
30	144	276	7,470	1,030	-----	9,500	2,570	10,300	1,000	1,240	268	154
31	158	-----	5,540	926	-----	*7,440	-----	10,600	-----	1,240	669	-----
Total	3,372	5,900	26,724	56,442	143,694	447,670	260,680	104,149	50,080	47,373	17,612	5,93
Mean	109	197	862	1,821	5,132	14,440	8,696	3,360	1,669	1,528	568	183
Cfsm	0.049	0.089	0.390	0.824	2.32	6.53	3.93	1.52	0.755	0.691	0.257	0.983
In.	0.06	0.10	0.45	0.95	2.42	7.53	4.39	1.75	0.84	0.80	0.30	0.99

Calendar year 1954: Max 14,000 Min 73 Mean 1,502 Cfsm 0.680 In. 9.22
 Water year 1954-55: Max 94,400 Min 80 Mean 3,204 Cfsm 1.45 In. 19.68

* Discharge measurement made on this day.

Buttahatchee River below Hamilton, Ala.

Location--Lat 34°06', long 87°58', on line between secs. 14 and 15, T. 11 S., R. 14 W., near right bank on downstream side of pier of bridge on U. S. Highway 78, half a mile downstream from Woods Creek and 2 miles south of Hamilton.

Drainage area--284 sq mi (revised).

Records available--December 1950 to September 1955.

Gage--Water-stage recorder. Datum of gage is 360.50 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes--Maximum discharge during year, 17,200 cfs Mar. 21 (gage height, 22.1 ft, from graph based on gage readings); minimum, 31 cfs Sept. 22 (gage height, 0.97 ft).
1951-55: Maximum discharge, 24,200 cfs Mar. 29, 1951 (gage height, 26.3 ft); minimum, 19 cfs Sept. 2-5, 1954 (gage height, 0.78 ft).

Remarks--Records good except those for periods of fragmentary gage-height record, which are fair, and those for periods of no gage-height record, which are poor. Occasional diurnal fluctuation at low flow.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.9	27	5.0	1,540
1.3	69	10.0	5,150
1.8	151	15.0	9,400
2.5	320	20.0	14,700
3.5	680		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	49	101	900	261	535	391	226	207	65	109	70
2	154	45	92	600	291	480	480	214	171	65	100	55
3	49	44	82	490	246	430	413	*199	151	62	92	49
4	38	84	77	410	226	413	359	*186	136	143	86	47
5	35	118	83	360	289	384	407	175	123	156	82	47
6	36	80	100	320	4,380	446	700	185	127	936	77	49
7	45	61	83	290	2,210	446	2,210	157	230	554	75	48
8	39	55	76	290	1,090	372	1,060	147	*163	306	78	48
9	37	52	134	350	750	350	726	142	*123	184	221	44
10	35	52	128	540	636	338	703	132	130	140	112	46
11	35	*48	104	410	658	323	1,640	128	153	153	89	43
12	*36	48	123	340	498	306	1,180	128	127	147	142	43
13	48	48	169	300	430	283	2,890	136	112	*163	103	42
14	45	47	132	410	413	267	1,610	125	176	256	77	40
15	46	53	*111	740	387	261	1,060	121	233	526	67	38
16	43	256	*98	610	403	320	773	130	163	430	68	*37
17	38	147	103	520	480	344	636	138	125	353	94	36
18	38	89	134	900	410	306	535	123	109	219	*189	34
19	36	76	130	*2,130	378	574	463	109	95	167	223	33
20	35	70	111	*945	369	636	821	111	90	189	96	32
21	35	62	101	f895	2,500	f13,000	773	518	96	200	72	32
22	35	61	96	1,150	6,700	*10,200	594	1,380	94	1,560	63	32
23	36	59	92	703	2,850	*2,370	480	413	83	413	58	32
24	34	57	86	*554	*1,470	1,360	498	384	86	480	56	35
25	35	55	83	463	1,000	1,090	413	359	90	403	54	*37
26	35	55	80	407	821	846	356	259	98	275	50	38
27	36	61	80	378	703	658	328	203	153	216	50	38
28	45	218	2,260	347	594	574	300	171	98	186	48	37
29	64	291	14,000	314	-	516	275	991	79	157	46	38
30	59	128	8,000	286	-----	446	246	369	70	132	94	38
31	48	-----	1,900	261	-----	413	-----	259	-----	118	96	-----
Total	1,371	2,569	28,949	17,613	31,443	39,287	23,118	8,298	3,941	9,354	2,667	1,236
Mean	44.2	85.6	934	568	1,123	1,267	771	268	131	302	92.5	41.2
Cfsm	0.156	0.301	3.29	2.00	3.95	4.46	2.71	0.944	0.461	1.06	0.326	0.145
In.	0.18	0.34	3.79	2.31	4.12	5.14	3.03	1.09	0.52	1.22	0.38	0.16

Calendar year 1954: Max 14,000 Min 19 Mean 373 Cfsm 1.31 In. 17.81
Water year 1954-55: Max 14,000 Min 32 Mean 466 Cfsm 1.64 In. 22.28

Peak discharge (base, 7,000 cfs).--Dec. 29 (1:30 p.m.) 16,100 cfs (21.15 ft); Feb. 22 (10 a.m.) 9,020 cfs (14.80 ft); Mar. 21 (11 p.m.) 17,200 cfs (22.1 ft).

* Discharge measurement made on this day.

f Fragmentary gage-height record; discharge computed from partly estimated gage heights.

Note.--No gage-height record Dec. 30 to Jan. 18, Aug. 2-4, discharge estimated on basis of records for station near Sulligent.

Buttahatchee River near Sulligent, Ala.

Location.--Lat 33°55', long 88°09', in NE $\frac{1}{4}$ sec. 19, T. 13 S., R. 15 W., on downstream handrail of bridge on State Highway 19, 1 mile upstream from Bogue Creek, $\frac{1}{2}$ miles northwest of Sulligent, and 2 miles downstream from Beaver Creek.

Drainage area.--472 sq mi (revised).

Records available.--March 1939 to September 1955.

Gage.--Wire-weight gage read twice daily. Datum of gage is 287.58 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to June 1, 1942, staff gage at site 500 ft upstream at datum 1.00 ft higher. Since Nov. 3, 1948, supplementary wire-weight gage read twice daily on side channel at datum 10.00 ft lower.

Average discharge.--16 years, 743 cfs.

Extremes.--Maximum discharge during year, 17,700 cfs Dec. 30 (gage height, 14.95 ft, from graph based on gage readings); minimum observed, 53 cfs Oct. 26 (gage height, 2.45 ft).

1939-55: Maximum discharge, 33,000 cfs Jan. 8, 1946; maximum gage height, 16.4 ft Jan. 7, 1950; minimum discharge observed, 32 cfs Sept. 15, 16, 1954 (gage height, 2.30 ft).

Remarks.--Records fair. Discharge computed by summation of flow in main and side channels and includes flow of unnamed tributary entering river from left bank a short distance downstream from station.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63	82	248	1,940	518	1,160	848	511	457	117	231	138
2	67	75	203	1,430	538	1,050	*872	473	360	112	202	112
3	87	73	179	1,070	536	959	874	*417	308	107	176	98
4	74	87	150	874	461	854	808	398	239	116	164	84
5	63	163	149	764	425	812	746	378	224	246	152	79
6	61	198	171	666	1,060	870	919	340	209	332	141	80
7	62	139	186	592	4,160	932	1,440	298	252	790	140	80
8	65	100	157	532	3,890	850	2,030	270	*409	1,490	129	75
9	61	93	156	529	2,010	726	1,550	270	252	679	494	70
10	58	93	230	594	1,440	686	1,330	253	209	390	422	66
11	61	*87	233	908	1,240	650	1,490	239	239	273	213	66
12	57	82	234	812	1,130	629	2,090	224	224	254	186	74
13	*63	87	283	664	1,020	592	2,330	238	197	*226	222	70
14	74	87	371	575	852	554	3,540	238	198	216	183	70
15	63	87	*250	638	808	516	2,300	299	341	587	139	*79
16	66	256	*203	1,170	786	533	1,640	335	380	936	124	66
17	66	592	196	1,060	942	588	1,340	224	254	756	117	61
18	64	263	235	984	905	588	1,140	224	198	569	*138	61
19	61	163	235	1,710	799	652	994	197	173	380	263	61
20	58	147	235	2,250	819	1,140	928	183	150	288	246	57
21	56	127	204	1,960	1,110	3,470	1,100	409	139	288	146	56
22	58	114	196	2,030	4,380	14,000	1,580	1,120	139	710	116	54
23	56	102	179	1,620	9,080	9,390	1,250	1,530	149	985	107	55
24	56	101	172	*1,310	*5,270	4,650	1,100	884	138	1,030	98	*59
25	57	84	164	1,070	2,550	2,520	956	680	140	845	92	61
26	55	89	150	894	1,730	1,610	806	583	150	762	84	66
27	57	101	144	784	1,460	1,430	719	415	172	619	79	66
28	56	214	173	748	1,290	1,220	664	338	210	541	79	66
29	74	557	2,740	654	-	1,100	626	732	161	425	84	66
30	93	543	13,800	612	-	1,020	551	1,250	123	314	111	70
31	87	-----	6,010	556	-----	912	-----	658	-----	282	138	-----
Total	1,999	4,986	28,238	32,000	51,207	56,663	38,561	14,578	6,794	15,646	5,206	2,166
Mean	64.5	166	911	1,032	1,829	1,828	1,285	470	226	505	168	72.2
Cfsm	0.137	0.352	1.93	2.19	3.98	3.87	2.72	0.996	0.479	1.07	0.356	0.153
In.	0.16	0.39	2.22	2.52	4.03	4.46	3.04	1.15	0.54	1.23	0.41	0.17

Calendar year 1954: Max 13,800 Min 32 Mean 539 Cfsm 1.14 In. 15.52
 Water year 1954-55: Max 14,000 Min 54 Mean 707 Cfsm 1.50 In. 20.32

Peak discharge (base, 4,000 cfs).--Dec. 30 (11 a.m.) 17,700 cfs (14.95 ft); Feb. 8 (2 a.m.) 5,810 cfs (14.40 ft); Feb. 23 (10 a.m.) 10,100 cfs (14.58 ft); Mar. 22 (5 p.m.) 16,800 cfs (14.70 ft); Apr. 14 (10 a.m.) 4,040 cfs (14.17 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Chookatonchee Creek near Egypt, Miss.

Location.--Lat 33°50'30", long 88°46'30", on line between secs. 27 and 22, T. 14 S., R. 5 E., Chickasaw meridian, near left bank on downstream side of bridge on State Highway 8, 4½ miles southwest of Egypt and 11½ miles upstream from Houlika Creek.

Drainage area.--170 sq mi, approximately.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year not determined, occurred Mar. 21 (gage height, 11.23 ft); no flow at times.

1951-55: Maximum discharge determined, 15,700 cfs Feb. 21, 1953 (gage height, 9.09 ft), from rating curve extended above 9,300 cfs; maximum gage height, that of Mar. 21, 1955; no flow at times.

Flood of Mar. 28, 1951, reached a stage of 10.47 ft, from records of Corps of Engineers.

Remarks.--Records fair except those above 12,000 cfs, which are poor.

Cooperation.--Gage-height record and nine discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 21				May 22 to Sept. 30			
0.9	0	6.0	632	0.6	0	1.4	27
1.0	1.3	6.5	940	.7	.7	2.0	63
1.1	5.0	7.0	1,830	.9	5.1	3.0	134
1.4	21	7.5	3,290	1.1	12		
2.0	58	8.0	5,850				
3.0	134	8.5	9,220				
4.0	234	9.0	12,700				
5.0	392						

Note.--Same as preceding table above 3.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	3.5	37	26	*73	60	a40	110	a16	7.8	0.2
2	0	0	2.8	28	28	64	145	a35	77	a14	7.1	0
3	0	0	2.4	22	25	58	94	a32	68	a12	5.7	0
4	0	0	2.0	19	22	54	72	a30	58	a12	5.7	0
5	0	0	1.7	17	26	58	128	*35	53	61	5.4	0
6	0	0	*1.3	16	1,120	54	368	35	53	268	5.1	0
7	13	0	1.0	14	1,040	*64	1,300	32	*70	137	4.8	0
8	2.8	0	.6	14	128	50	277	30	53	72	15	0
9	0	0	3.9	15	76	46	130	26	41	58	49	0
10	0	0	16	31	59	46	155	24	46	46	12	0
11	0	0	7.5	*43	50	44	1,830	21	53	54	8.5	0
12	0	0	8.5	27	40	41	2,740	27	43	*56	54	0
13	0	0	17	22	37	41	7,990	67	41	76	12	0
14	0	0	11	19	38	39	3,160	34	170	41	8.5	0
15	0	0	7.0	38	35	40	733	24	180	304	7.4	0
16	0	0	5.0	47	42	39	228	50	88	152	5.4	0
17	0	9.8	4.6	32	64	41	a150	37	57	73	3.7	0
18	*0	5.0	4.6	204	45	38	a130	26	46	356	a3.0	0
19	0	2.0	4.6	533	40	142	a120	20	a30	111	a2.5	0
20	0	.3	4.3	110	40	205	a110	16	a20	*47	a1.5	0
21	0	0	4.3	196	1,140	10,000	a300	801	17	53	a1.0	0
22	0	0	3.5	325	4,060	*12,400	a1,500	4,240	a16	32	a.8	0
23	0	0	5.2	89	2,170	1,450	a1,000	1,710	a14	23	*.7	0
24	0	0	2.8	55	195	273	a300	348	a16	41	.7	0
25	0	0	2.8	43	122	175	a150	156	a20	32	1.0	0
26	0	0	2.4	35	100	126	a100	98	27	47	.2	*0
27	0	0	3.2	33	88	94	a80	73	185	28	.1	*0
28	0	8.0	156	33	80	86	a60	61	44	16	.1	0
29	0	4.3	781	31	-	78	a50	2,872	28	11	0	0
30	0	4.3	259	29	-	68	a45	2,780	a20	9.6	.5	0
31	0	54	28	28	-	62	-	229	-	8.8	2.5	-
Total	15.8	33.7	1,379.5	2,185	10,934	26,047	23,505	12,009	1,744	2,267.4	231.7	0.2
Mean	0.51	1.12	44.5	70.5	390	840	784	387	58.1	73.1	7.47	0.01
Cfsm	0.0030	0.0066	0.262	0.415	2.29	4.94	4.61	2.28	0.342	0.430	0.044	0.00059
In.	0.003	0.007	0.30	0.48	2.39	5.70	5.14	2.63	0.38	0.50	0.05	0.00004

Calendar year 1954: Max 4,130 Min 0 Mean 84.9 Cfsm 0.499 In. 6.78
 Water year 1954-55: Max 12,400 Min 0 Mean 220 Cfsm 1.29 In. 17.58

Peak discharge (base, 5,000 cfs).--Mar. 21 (10 p.m.) discharge unknown (11.23 ft); Apr. 13 (10 a.m.) 11,000 cfs (8.73 ft); May 21 (11 p.m.) 7,650 cfs (8.27 ft).

* Discharge measurement or observation of no flow made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for station at West Point.

Chookatonchee Creek near West Point, Miss.

Location.--Lat 33°36', long 88°42', on line between secs. 7 and 18, T. 17 S., R. 6 E., Chickasaw meridian, near left bank on downstream side of bridge on State Highway 10, 3 miles west of West Point and 3½ miles upstream from mouth.

Drainage area.--514 sq mi.

Records available.--October 1943 to September 1946, October 1947 to September 1955. Prior to October 1950, published at Sakatonchee River near West Point.

Gage.--Water-stage recorder. Datum of gage is 170.10 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 8, 1944, chain gage and July 8, 1944, to Aug. 2, 1949, wire-weight gage, at present site and datum.

Average discharge.--11 years (1943-46, 1947-55), 773 cfs.

Extremes.--Maximum discharge during year, 34,900 cfs Mar. 23 (gage height, 21.44 ft); no flow at times.
1943-46, 1947-55: Maximum discharge, 45,800 cfs Mar. 29, 1951 (gage height, 23.55 ft); no flow at times.

Remarks.--Records fair.

Cooperation.--Gage-height record and 11 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 22-25, Sept. 9-17)

Oct. 1 to Mar. 22

Mar. 23 to Sept. 30

-0.05	0	1.0	55	-0.07	0	10.0	840
0.0	1.0	5.0	342	0.0	1.7	11.0	1,140
.1	4.0	10.0	890	.2	8.0	14.0	3,210
.2	8.0	11.0	1,180	.5	20	16.0	5,390
.5	25	14.0	3,210	1.0	45	17.0	8,000
				3.0	170	20.0	22,000
				7.0	490	22.0	33,500

Note.--Same as following table above 14.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	1.0	530	51	257	160	118	2,450	58	21	5.0
2		0	1.3	213	51	215	205	105	673	34	14	3.5
3		0	.7	100	47	187	336	93	177	18	12	3.2
4		0	.7	57	39	159	280	81	118	14	11	2.9
5		0	.5	38	33	142	312	*71	90	13	10	2.0
6		0	*.1	27	1,600	131	808	61	74	177	9.6	1.4
7		0	.1	24	2,810	138	1,090	54	*73	623	12	.8
8		0	.1	18	3,390	134	2,240	49	108	950	11	.4
9		0	.3	17	2,590	110	3,130	42	72	896	26	.2
10		0	.3	*235	729	96	1,310	34	56	368	62	0
11		0	.1	293	309	96	1,590	28	60	240	24	0
12		0	7.2	176	201	89	3,050	24	58	*272	36	0
13		0	11	86	145	77	13,400	46	41	256	93	0
14		.2	6.4	42	114	74	18,500	73	35	170	26	0
15		3.1	7.5	62	106	*79	12,200	39	350	306	11	0
16		6.4	7.6	285	106	82	5,580	28	376	1,160	8.8	0
17		6.0	7.2	243	264	78	2,890	81	264	1,220	7.7	0
18	(*)	4.8	6.4	343	309	74	873	59	142	1,340	6.6	0
19		5.6	5.6	1,920	236	75	384	40	87	*843	5.6	0
20		4.8	4.8	2,380	180	332	272	26	59	*445	4.5	0
21		3.7	4.4	1,810	1,120	1,640	601	28	42	248	3.8	0
22		2.8	4.4	1,300	3,850	*14,200	1,490	590	26	170	*3.2	0
23		2.2	4.4	1,160	5,060	*29,100	2,450	1,770	17	99	2.9	0
24		1.3	4.4	620	5,990	12,800	1,670	3,950	30	84	2.6	0
25		.3	4.4	301	5,020	4,920	480	3,390	112	114	2.0	0
26		.1	4.0	173	2,320	1,890	256	1,580	152	303	1.4	*0
27		1.3	4.0	124	640	578	198	550	261	198	1.4	0
28		1.3	16	103	*342	344	170	219	400	132	1.1	4.7
29		1.9	1,160	92	-	248	152	299	226	99	1.1	3.8
30		1.3	1,630	72	-	198	138	1,030	114	62	.8	1.4
31		-	1,200	60	-	177	-	1,890	-	38	13	-
Total	0	46.1	4,105.0	12,904	37,652	68,720	76,215	16,448	6,743	10,950	445.1	29.3
Mean	0	1.54	132	416	1,345	2,217	2,540	531	225	353	14.4	0.98
Cfsm	0	0.0030	0.257	0.809	2.62	4.31	4.94	1.03	0.438	0.687	0.028	0.0019
In.	0	0.003	0.30	0.93	2.72	4.97	5.51	1.19	0.49	0.79	0.03	0.002

Calendar year 1954: Max 5,510 Min 0 Mean 259 Cfsm 0.504 In. 6.84

Water year 1954-55: Max 29,100 Min 0 Mean 642 Cfsm 1.25 In. 16.94

Peak discharge (base, 12,000 cfs).--Mar. 23 (2 a.m.) 34,900 cfs (21.44 ft); Apr. 14 (1 p.m.) 20,000 cfs (19.62 ft).

* Discharge measurement or observation of no flow made on this day.

MOBILE RIVER BASIN

Tibbee Creek near Tibbee, Miss.

Location.--Lat 33°32'17", long 88°38'00", in SW $\frac{1}{4}$ sec. 4, T. 19 N., R. 16 E., Choctaw meridian, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mile north of Tibbee, 4 $\frac{1}{2}$ miles upstream from Magee Creek, 5 miles south of West Point, and 9 $\frac{1}{2}$ miles upstream from Catalpa Creek.

Drainage area.--928 sq mi.

Records available.--August 1928 to August 1930, November 1939 to September 1955. Prior to October 1950, published as Tibbee River near Tibbee.

Gage.--Water-stage recorder. Datum of gage is 154.07 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, chain gage at site 560 ft downstream at present datum. Nov. 5, to Dec. 6, 1939, wire-weight gage at present site and datum.

Average discharge.--16 years (1928-29, 1940-55), 1,172 cfs.

Extremes.--Maximum discharge during year, 38,300 cfs Mar. 23 (gage height, 28.14 ft); no flow at times.

1928-30, 1939-55: Maximum discharge, 75,200 cfs Mar. 29, 1951 (gage height, 30.82 ft); no flow at times.

Maximum stage known, 31.5 ft in December 1926, from information by local residents.

Remarks.--Records good except those for periods of backwater and those below 5.0 cfs, which are fair.

Rating tables, water year 1954-55, except periods of backwater (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Mar. 23

Mar. 24 to Sept. 30

0.9	0	6.0	630	0.9	0	1.8	36
1.0	2.6	10.0	1,530	1.0	9	2.4	85
1.1	2.2	15.0	2,950	1.1	3.0	5.1	159
1.2	4.6	21.0	6,300	1.4	15		
1.4	12	23.0	8,300				
1.8	31	24.0	10,300				
2.2	58	25.0	14,300				
3.1	159	27.0	27,000				
4.0	280	28.0	37,000				

Note.--Same as preceding table above 5.1 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0.9	1,810	101	477	273	169	1,700	101	63	17
2		0	.9	639	94	390	318	147	1,680	65	46	8.2
3		0	.9	224	87	325	513	128	599	44	34	2.4
4		.6	.9	136	77	280	570	113	32	28	.8	
5		.1	.9	92	72	252	477	101	125	*28	25	.7
6		0	.8	67	1,560	224	945	89	105	160	21	.5
7		0	.6	56	3,800	211	1,480	80	93	730	19	.3
8		*0	1.1	43	5,950	218	1,940	71	113	1,180	28	0
9		0	1.7	37	5,950	198	2,660	65	106	1,430	60	0
10		0	.9	339	3,900	172	2,420	55	82	810	76	0
11		0	.5	850	1,200	159	2,390	50	76	349	59	0
12		0	2.0	610	407	147	4,360	45	88	373	37	0
13		0	*6.3	341	295	134	11,900	43	70	333	97	0
14		0	16	172	224	121	29,500	86	65	288	89	0
15		0	10	137	198	120	23,300	63	255	633	*50	0
16		.3	5.9	450	192	121	e12,200	48	670	1,990	30	0
17		.2	6.5	*650	354	120	e7,210	58	551	2,510	22	0
18		0	5.2	650	630	118	e4,160	81	295	1,880	16	0
19		.2	3.4	1,800	551	117	e1,490	57	162	1,410	12	0
20		.2	2.2	2,910	398	310	513	46	106	790	10	0
21		.1	1.9	3,900	1,090	1,250	770	45	78	477	7.8	0
22		.1	1.4	3,650	4,820	*5,890	1,810	346	57	532	5.4	0
23		.1	1.2	2,720	8,460	*33,500	2,660	1,060	41	273	3.8	0
24		.2	.8	1,990	9,820	23,600	2,910	2,100	36	357	2.4	0
25		.3	.6	850	e8,620	e12,200	1,480	4,100	76	341	1.5	0
26		.3	.6	382	e6,500	e6,880	*459	4,400	248	477	.9	*0
27		.2	.6	252	e3,410	e2,760	310	2,870	224	477	.8	0
28		.6	9.3	198	*e970	*e995	252	807	513	252	.7	0
29		.9	1,100	172	-	e610	224	325	349	178	.6	3.0
30		.9	1,780	145	-----	e434	198	870	198	120	.4	3.8
31		-----	2,040	119	-----	e320	-----	*1,280	-----	83	5.6	-----
Total	0	5.3	5,004.0	26,391	69,750	92,651	119,692	19,798	8,733	18,701	851.9	34.7
Mean	0	0.18	161	851	2,490	2,983	3,990	639	291	603	27.5	1.16
Cfm	0	0.00019	0.173	0.917	2.68	3.22	4.30	0.689	0.314	0.650	0.030	0.0012
In.	0	0.0002	0.20	1.06	2.79	3.71	4.80	0.79	0.35	0.75	0.03	0.001
Calendar year 1954: Max			8,460	Min	0	Mean	420	Cfsm	0.453	In.	6.13	
Water year 1954-55: Max			33,500	Min	0	Mean	991	Cfsm	1.07	In.	14.48	

Peak discharge (base, 10,000 cfs).--Feb. 24 (7 a.m.) 10,100 cfs (23.86 ft); Mar. 23 (1 p.m.) 38,300 cfs (28.14 ft); Apr. 14 (3 p.m.) 31,400 cfs (27.46 ft).

* Discharge measurement or observation of no flow made on this day.

e Backwater from return of overbank flow or from Tombigbee River.

Tombigbee River at Columbus, Miss.

Location.--Lat 33°29'21", long 88°25'57", in NW¹ sec. 20, T. 18 S., R. 18 W., Huntsville meridian, on left bank at Columbus, 1,200 ft downstream from bridge on U. S. Highway 45, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 miles upstream from Luxapallila Creek, 6.7 miles downstream from Tibbee Creek, and at mile 334.0 (by U. S. Weather Bureau).

Drainage area.--4,490 sq mi, approximately.

Records available.--January 1900 to December 1912, August 1928 to September 1955. Gage heights during low stages for period 1900 to 1904 are believed to be in error. Gage-height records collected in this vicinity since 1890 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 128.91 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Nov. 7, 1934, staff or chain gage at various sites within a quarter of a mile of present site at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Since Mar. 3, 1941, auxiliary staff or wire-weight gage read twice daily 3.7 miles upstream from base gage.

Average discharge.--38 years (1900-1904, 1905-12, 1928-55), 6,061 cfs.

Extremes.--Maximum discharge during year, 120,000 cfs Mar. 25; maximum gage height, 37.47 ft Mar. 25; minimum discharge, 182 cfs Oct. 3 (gage height, 0.30 ft).
1900-1912, 1928-55: Maximum discharge, 148,000 cfs Jan. 7, 1949 (gage height, 39.32 ft); minimum, 138 cfs Sept. 20, 1954; minimum gage height observed, -0.1 ft Oct. 9-12, 1911, present datum.

Flood of Apr. 8, 1892, reached an elevation of 173.0 ft above mean sea level, datum of 1929, supplementary adjustment of 1941, at site 1,100 ft upstream.

Remarks.--Records good.

Revisions (water years).--WSP 1234: 1892(M).

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	189	276	681	10,400	2,190	17,900	16,600	4,080	*12,700	1,320	2,110	988
2	185	304	777	14,200	1,960	14,500	10,900	3,550	12,800	1,060	1,890	755
3	184	312	661	12,800	1,920	11,200	7,760	3,020	9,290	925	1,490	630
4	195	331	596	8,870	1,900	7,840	6,900	2,580	4,490	801	1,180	550
5	217	337	555	5,620	1,970	5,360	6,090	2,260	2,600	753	975	487
6	237	357	497	3,600	7,770	4,140	7,210	2,110	2,020	978	875	438
7	271	392	479	2,680	14,800	3,760	9,700	1,900	1,800	3,500	801	409
8	208	427	479	2,230	15,700	4,050	12,400	1,700	2,020	5,020	999	398
9	196	414	497	1,920	15,700	3,900	12,500	1,600	2,300	5,340	2,720	391
10	210	386	497	2,550	12,900	3,700	11,800	1,480	2,120	4,440	2,720	380
11	215	365	535	3,960	12,000	3,300	13,700	1,340	1,750	2,910	2,310	362
12	*212	340	639	3,460	9,960	3,060	14,700	1,270	1,530	2,080	1,770	351
13	252	323	801	2,960	7,180	2,890	20,500	1,190	1,490	*1,810	2,010	344
14	283	312	777	2,560	5,490	2,610	28,600	1,430	1,420	1,630	1,340	340
15	257	312	777	2,170	4,400	2,450	39,600	1,390	2,180	2,320	1,030	330
16	250	351	777	2,540	3,740	2,300	42,900	1,340	4,000	7,410	934	326
17	250	*383	706	3,090	3,750	2,300	40,100	1,220	3,320	9,320	844	323
18	239	516	661	3,500	4,190	3,120	35,800	1,210	2,580	7,740	756	312
19	229	639	639	9,000	4,140	3,180	30,400	1,210	2,010	6,000	672	306
20	227	617	681	10,200	3,690	5,620	25,600	1,180	1,560	4,850	651	292
21	221	555	*661	9,370	5,950	10,700	18,900	1,180	1,280	3,380	630	289
22	217	479	661	10,600	18,600	19,400	17,500	2,740	1,120	5,270	693	282
23	210	444	617	11,500	22,000	27,500	16,000	8,740	1,000	3,390	*630	282
24	208	417	575	9,620	*23,100	59,100	15,800	11,600	975	3,080	550	275
25	210	392	555	7,850	26,200	*113,000	13,900	14,500	975	3,510	510	269
26	212	377	535	5,780	28,300	103,000	*10,100	14,600	925	4,610	502	275
27	212	368	516	*4,610	27,500	80,200	7,200	12,900	1,090	4,050	472	285
28	217	380	535	3,640	22,900	59,600	5,660	9,830	1,370	3,430	445	292
29	227	408	6,310	3,100	-----	44,400	5,010	7,740	1,810	3,040	434	292
30	227	479	11,100	2,670	-----	32,600	4,540	8,810	1,690	2,450	495	292
31	246	-----	11,300	2,430	-----	*24,400	-----	11,300	-----	2,340	651	-----
Total	6,914	11,993	46,037	179,440	309,900	681,080	506,270	141,000	86,215	109,357	34,089	11,445
Mean	223	400	1,485	5,888	11,070	21,970	16,880	4,548	2,874	3,528	1,100	382
Cfsm	0.050	0.089	0.331	1.29	2.47	4.89	3.76	1.01	0.640	0.786	0.245	0.085
In.	0.06	0.10	0.38	1.49	2.57	5.64	4.19	1.17	0.71	0.91	0.28	0.09
Calendar year 1954: Max			26,000	Min	140	Mean	2,776	Cfsm	0.618	In.	.840	
Water year 1954-55: Max			113,000	Min	184	Mean	5,818	Cfsm	1.30	In.	17.59	

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Luxapalila Creek near Fayette, Ala.

Location.--Lat 33°43', long 87°52', in SW $\frac{1}{4}$ sec. 26, T. 15 S., R. 13 W., near right bank on downstream side of pier of bridge on State Highway 18, 3 miles northwest of Fayette.

Drainage area.--127 sq mi.

Records available.--May 1945 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 322.33 ft above mean sea level, datum of 1929, supplementary adjustment of 1944 (levels by Corps of Engineers). Prior to Apr. 22, 1944, staff gage and Apr. 22, 1944, to May 15, 1945, wire-weight gage, at same site and datum.

Average discharge.--10 years, 221 cfs.

Extremes.--Maximum discharge during year, 4,280 cfs Mar. 22 (gage height, 10.80 ft); minimum, 35 cfs Sept. 22.
1945-55: Maximum discharge, 9,910 cfs Jan. 5, 1949 (gage height, 13.8 ft); minimum, 24 cfs Sept. 15, 16, 20, 21, 1954.

Remarks.--records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 4		Nov. 5 to July 21			July 22 to Sept. 30				
0.1	36	0.2	37	2.0	395	0.4	34	2.0	338
.4	65	.6	80	4.0	1,080	.8	80	4.0	1,080
.6	88	1.2	179	8.0	2,770	1.4	186		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	45	71	251	108	177	135	84	77	48	76	47
2	44	44	72	196	106	155	320	80	68	49	74	46
3	39	45	66	147	96	142	*187	76	66	48	71	45
4	38	84	63	128	93	140	158	*75	65	46	67	44
5	37	73	67	119	146	130	170	72	62	49	68	46
6	38	48	80	109	2,300	140	252	70	62	145	65	46
7	39	45	84	97	758	144	676	67	67	320	62	a43
8	38	44	62	93	443	122	300	66	62	239	154	a41
9	38	43	74	104	303	112	218	64	*57	97	178	a41
10	38	43	66	320	246	111	394	62	67	80	76	a42
11	37	42	62	251	270	108	792	60	65	*77	67	a41
12	37	*41	82	170	202	100	417	59	58	83	63	a40
13	40	40	96	139	177	96	725	59	57	76	61	a40
14	*41	40	76	119	170	93	475	57	70	128	59	a40
15	47	46	68	286	158	93	297	56	81	324	55	a40
16	40	264	*65	295	192	94	223	57	66	248	56	a40
17	40	81	118	190	270	93	185	58	58	177	61	a39
18	39	64	123	466	192	98	158	56	54	112	54	a38
19	37	58	93	875	168	158	142	55	53	93	*52	a37
20	38	60	80	361	155	238	132	56	53	170	51	a37
21	38	56	77	346	788	*2,060	565	72	62	335	50	a36
22	38	55	75	475	1,680	*1,980	312	109	55	706	51	*36
23	37	54	71	*264	775	606	196	74	53	186	50	37
24	36	54	67	202	491	398	158	284	57	134	48	41
25	36	53	66	171	*327	312	130	129	58	212	46	40
26	37	53	64	149	253	256	112	80	95	216	45	*40
27	38	58	65	146	223	200	104	67	93	182	46	39
28	44	111	146	140	196	183	98	65	57	129	45	41
29	53	119	1,560	125	-	166	93	509	52	102	44	41
30	45	75	382	114	-----	149	87	130	50	88	50	41
31	44	-----	196	108	-----	142	-----	91	-----	84	51	-----
Total	1,232	1,938	4,317	6,956	11,288	8,996	8,211	2,897	1,900	4,983	1,996	1,225
Mean	39.7	64.6	139	224	403	290	274	93.5	63.3	161	64.4	40.8
Cfs/m	0.313	0.509	1.09	1.76	3.17	2.28	2.16	0.736	0.498	1.27	0.507	0.321
In.	0.36	0.57	1.26	2.04	3.31	2.63	2.40	0.85	0.56	1.46	0.58	0.36

Calendar year 1954: Max 2,590 Min 26 Mean 130 Cfs/m 1.02 In. 13.69
Water year 1954-55: Max 2,300 Min 26 Mean 153 Cfs/m 1.20 In. 16.38

Peak discharge (base, 2,500 cfs).--Dec. 29 (10:30 a.m.) 2,550 cfs (7.53 ft); Feb. 6 (10:30 a.m.) 3,740 cfs (10.04 ft); Feb. 22 (10 a.m.) 2,860 cfs (8.24 ft); Mar. 22 (1 a.m.) 4,280 cfs (10.80 ft).
* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for station at Millport.

Luxapalila Creek at Millport, Ala.

Location.--Lat 33°34', long 88°05', in SW¹/₄ sec. 14, T. 17 S., R. 15 W., near left bank on downstream side of pier of bridge on State Highway 19, a quarter of a mile downstream from Driver Creek and 1 mile north of Millport.

Drainage area.--241 sq mi.

Records available.--August 1954 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 243.65 ft above mean sea level, datum of 1929, supplementary adjustment of 1944.

Extremes.--1954: Maximum discharge during period August to September, 390 cfs Sept. 21 (gage height, 2.06 ft); minimum, 34 cfs Sept. 15, 16, 20, 21 (gage height, 0.61 ft).

1954-55: Maximum discharge during water year, 4,020 cfs Feb. 6 (gage height, 10.20 ft); minimum, 40 cfs Oct. 5, 11.

Remarks.--Records good except those for period of no gage-height record, which are fair.

Rating tables, Aug. 1, 1954, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

Aug. 1, 1954, to Mar. 22, 1955				Mar. 23 to Sept. 30, 1955			
0.6	33	2.5	544	0.5	30	1.5	234
.9	79	6.0	1,920	.8	80	2.5	544
1.4	192	9.0	3,340				

Note.--Same as preceding table above 2.5 ft.

Discharge, in cubic feet per second, 1954

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1	a46	37	9	a40	42	17	41	38	25	41	43
2	a45	38	10	a37	40	18	66	40	26	41	42
3	a43	37	11	a37	37	19	46	38	27	41	42
4	a41	*37	12	37	37	20	51	36	28	42	42
5	a40	37	13	38	37	21	52	120	29	43	41
6	a39	37	14	41	*36	22	43	98	30	40	46
7	a43	42	15	40	36	23	42	50	31	38	
8	a43	42	16	45	36	24	42	45			
Total.....										1,324	1,328
Mean.....										42.7	44.3
Cubic feet per second per square mile.....										0.177	0.184
Runoff in inches.....										0.20	0.21

Peak discharge (base, 4,000 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for station near Payette.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	58	102	380	182	377	279	176	133	61	116	58
2	54	56	115	335	184	341	*635	165	112	72	108	54
3	43	56	98	245	169	312	*423	*150	100	69	100	51
4	42	107	94	209	159	306	348	143	92	65	94	51
5	41	126	96	192	232	291	394	137	86	69	90	52
6	42	77	113	184	*3,080	282	512	130	86	239	86	54
7	43	70	94	164	*1,800	291	1,230	124	*96	218	84	52
8	42	66	90	154	711	259	598	118	88	427	84	49
9	43	65	121	179	526	242	456	112	*74	154	358	47
10	42	*65	108	434	455	240	640	106	86	114	120	49
11	41	63	96	411	580	234	1,390	104	98	118	96	49
12	45	63	121	276	414	223	749	104	82	*122	88	47
13	*55	65	156	237	351	214	1,310	102	76	122	82	47
14	58	65	119	203	338	203	882	98	100	161	76	*46
15	65	72	*102	325	316	203	598	94	154	390	72	47
16	51	286	96	441	325	200	472	96	108	363	70	47
17	49	135	156	297	490	198	407	100	86	309	*76	46
18	49	94	198	465	364	220	354	96	78	181	70	44
19	46	87	137	*1,270	328	270	312	92	72	139	67	44
20	46	90	117	*526	303	455	287	94	70	158	65	44
21	49	85	111	*472	1,080	1,730	998	116	74	490	61	43
22	49	81	106	675	2,980	3,180	692	161	80	596	59	43
23	48	79	102	411	1,430	958	456	143	79	366	58	44
24	48	77	102	332	*825	635	378	286	78	252	58	*46
25	48	75	100	285	598	526	304	263	74	309	54	49
26	48	75	98	248	490	490	263	156	92	327	52	49
27	49	83	98	242	448	385	239	126	139	298	52	46
28	56	104	117	240	411	363	224	108	86	224	52	49
29	74	179	1,560	212	-	353	207	514	72	170	51	51
30	61	108	580	195	-----	307	190	228	65	152	58	47
31	58	-----	325	184	-----	287	-----	159	-----	139	63	-----
Total	1,530	2,712	5,628	10,421	19,369	14,555	16,227	4,622	2,716	7,272	2,620	1,445
Mean	49.4	90.4	182	336	692	470	541	149	90.5	235	84.5	48.2
Cfsm	0.205	0.375	0.755	1.39	2.87	1.95	2.24	0.618	0.376	0.975	0.351	0.200
In.	0.24	0.42	0.87	1.61	2.99	2.25	2.50	0.71	0.42	1.12	0.40	0.22

Calendar year 1954: Max - Min Mean - Cfsm - In. -
 Water year 1954-55: Max 3,180 Min 41 Mean 244 Cfsm 1.01 In. 13.75

Peak discharge (base, 4,000 cfs).--Feb. 6 (8 p.m.) 4,020 cfs (10.20 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Luxapalila Creek at Steens, Miss.

Location.--Lat 33°34', long 88°19', in NE¹ sec. 27, T. 17 S., R. 17 W., Huntsville meridian, on left bank at downstream side of highway bridge, a quarter of a mile southeast of Steens, 1 mile upstream from Yellow Creek, and 6½ miles northeast of Columbus.

Drainage area.--309 sq mi.

Records available.--October 1943 to September 1947, October 1949 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 179.45 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 13, 1944, staff gage and July 13, 1944, to Sept. 30, 1947, wire-weight gage, at same site and datum.

Average discharge.--10 years, 464 cfs.

Extremes.--Maximum discharge during year, 4,140 cfs Mar. 23 (gage height, 14.31 ft); minimum, 35 cfs Oct. 11, Sept. 24; minimum gage height, 2.65 ft Sept. 24.
1943-47, 1949-55: Maximum discharge, 12,700 cfs Mar. 30, 1951 (gage height, 18.55 ft), from rating curve extended above 3,100 cfs on basis of records for station near Fayette, Ala.; minimum, 23 cfs Aug. 14, 1954 (gage height, 2.52 ft).
Flood of Jan. 6, 1949, reached a stage of 19.2 ft (discharge, about 16,000 cfs).

Remarks.--Records good except those for period of no gage-height record, which are fair.

Cooperation.--Gage-height record and nine discharge measurements furnished by Corps of Engineers.

Revisions (water years).--WSP 1172: 1946(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 27 to Mar. 7)

2.6	29	7.0	888
3.0	63	9.0	1,370
3.5	115	11.0	2,030
4.0	181	13.0	3,120
5.0	408	14.0	3,870

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	51	132	468	203	600	312	205	300	63	143	54
2	39	40	104	456	199	564	360	179	150	60	119	51
3	45	46	100	420	197	*516	672	162	110	58	106	49
4	49	56	98	300	179	468	492	148	100	82	94	48
5	40	64	92	237	194	432	408	*138	95	93	85	47
6	38	90	*88	205	906	396	480	136	90	91	83	47
7	37	94	88	181	3,330	360	864	127	100	152	77	47
8	38	73	94	164	2,310	336	1,130	120	90	324	73	46
9	39	65	93	168	1,080	286	720	115	*81	432	116	44
10	41	62	95	283	816	259	600	110	82	161	122	45
11	36	59	107	552	744	248	1,010	104	82	106	142	43
12	39	58	115	528	768	239	1,340	101	86	104	96	41
13	43	57	117	336	552	221	1,320	110	82	120	81	41
14	51	57	139	*259	456	209	1,670	105	84	133	75	41
15	52	62	128	246	420	*195	1,200	100	115	276	71	40
16	54	88	107	384	408	188	864	105	151	588	68	39
17	50	184	111	528	468	185	672	110	122	624	68	39
18	43	195	126	432	588	199	564	105	93	*456	66	39
19	43	114	209	912	456	232	468	100	82	215	66	39
20	41	92	155	1,200	408	384	408	100	74	*138	61	38
21	*40	82	128	720	588	624	600	110	69	136	59	37
22	40	81	115	696	2,040	2,340	1,340	140	66	840	55	36
23	40	79	107	792	3,630	*3,550	912	120	72	1,010	53	36
24	40	74	104	564	2,170	1,600	648	350	72	552	51	36
25	40	71	102	432	1,220	1,080	492	500	75	348	50	37
26	39	70	97	360	936	768	396	300	71	384	*48	38
27	39	71	95	312	744	624	336	200	73	456	47	38
28	41	77	102	288	648	480	295	250	95	384	47	38
29	44	85	324	281	-	432	271	600	88	264	47	*38
30	49	128	1,340	246	-----	384	237	1,000	70	183	49	39
31	53	-----	744	219	-----	336	-----	500	-----	167	52	-----
Total	1,322	2,425	5,556	13,169	26,658	18,755	21,081	6,550	2,920	9,000	2,368	1,251
Mean	42.6	80.8	179	425	952	604	703	211	97.3	290	76.4	41.7
Cfsm	0.158	0.261	0.579	1.38	3.08	1.95	2.28	0.683	0.315	0.939	0.247	0.135
In.	0.16	0.29	0.67	1.58	3.21	2.25	2.54	0.79	0.35	1.08	0.29	0.15

Calendar year 1954: Max 5,350 Min 24 Mean 279 Cfsm 0.903 In. 12.26
Water year 1954-55: Max 5,630 Min 36 Mean 304 Cfsm 0.984 In. 13.36

Peak discharge (base, 5,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--No gage-height record May 13 to June 8; discharge estimated on basis of weather records and records for station near Fayette, Ala.

MOBILE RIVER BASIN

277

Coal Fire Creek near Pickensville, Ala.

Location.--Lat 33°16', long 88°18', in NE¼ sec. 25, T. 20 S., R. 17 W., near center of channel on downstream side of pier of bridge on State Highway 40, 4½ miles north of Pickensville and 4½ miles upstream from mouth.

Drainage area.--131 sq mi.

Records available.--October 1954 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 148.50 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 734 cfs Feb. 24 (gage height, 6.53 ft); minimum, 2.0 cfs Sept. 25 (gage height, 0.42 ft).

Remarks.--Records good except those below 50 cfs and those for periods of no gage-height record, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Dec. 29				Dec. 30 to Sept. 30			
0.6	2.2	2.0	81	0.5	5.0	4.0	298
1.0	20	2.5	129	1.0	25	6.0	620
1.5	45			1.5	51	6.5	734
				2.5	132		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.2	19	38	238	81	305	110	79	46	17	46	9.4
2	2.2	17	36	220	81	226	147	*70	33	16	53	9.8
3	4.0	16	34	192	79	197	*208	62	27	15	38	11
4	4.4	23	33	137	75	177	214	54	25	20	30	9.8
5	6.2	40	34	107	83	152	226	50	23	22	26	9.0
6	18	52	33	87	317	142	262	46	22	20	23	8.6
7	88	50	31	76	*474	142	426	41	*23	20	20	8.6
8	113	39	31	67	*686	128	490	38	22	21	21	8.2
9	36	29	32	64	664	114	508	35	22	17	28	8.2
10	20	*26	34	108	600	106	426	32	22	18	37	7.4
11	14	23	34	137	508	100	442	30	22	22	54	7.4
12	12	22	35	214	a520	96	442	29	21	*24	44	8.6
13	*17	22	36	187	a520	91	562	28	25	23	27	*6.2
14	28	21	*40	147	a400	86	642	27	25	39	21	6.2
15	34	24	43	107	a300	81	664	26	29	41	19	6.6
16	35	42	40	132	a230	76	562	26	43	42	17	6.6
17	21	92	38	152	a270	75	458	25	46	57	*15	6.6
18	18	83	43	*162	a310	85	382	24	38	61	15	6.2
19	15	68	62	*258	a350	128	319	28	28	57	14	6.2
20	13	49	67	*274	a320	214	220	26	24	46	13	5.8
21	13	38	57	298	a350	286	202	27	21	28	13	5.4
22	12	33	44	319	*458	382	244	50	19	29	15	5.8
23	12	31	38	298	580	442	262	52	19	50	13	8.6
24	12	29	36	262	710	458	262	63	18	65	12	5.0
25	12	27	34	197	710	410	244	81	32	94	11	*6.0
26	12	26	33	147	600	354	208	78	32	73	11	5.8
27	12	27	33	118	474	292	142	63	30	47	11	8.2
28	12	28	34	108	382	197	111	43	43	61	10	9.0
29	14	31	124	102	-	157	99	39	25	75	9.4	7.4
30	17	36	202	95	-----	132	88	54	21	67	9.0	7.4
31	18	-----	232	86	-----	118	-----	54	-----	56	9.0	-----
Total	647.0	1,063	1,641	5,136	11,132	5,949	9,572	1,378	828	1,243	684.4	223.0
Mean	20.9	35.4	52.9	166	398	192	319	44.5	27.5	40.1	22.1	7.45
Cfsm	0.160	0.270	0.404	1.27	3.04	1.47	2.44	0.340	0.210	0.306	0.169	0.057
In.	0.18	0.30	0.47	1.46	3.16	1.69	2.72	0.39	0.23	0.35	0.19	0.06

Calendar year 1954: Max - Min - Mean - Cfsm - In. -
 Water year 1954-55: Max 710 Min 2.2 Mean 108 Cfsm 0.824 In. 11.20

Peak discharge (base, 700 cfs).--Feb. 24 (11 p.m.) 734 cfs (6.53 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for stations on nearby streams.

MOBILE RIVER BASIN

Tombigbee River near Cochrane, Ala.

Location.--Lat 33°05', long 88°14', in sec. 7, T. 24 N., R. 2 W., near left bank on downstream side of pier of bridge on State Highway 17, 200 ft upstream from Alabama, Tennessee and Northern Railroad bridge, 1½ miles northeast of Cochrane, 2½ miles downstream from Boguechitto Creek, and 7 miles southwest of Aliceville.

Drainage area.--5,990 sq mi, approximately.

Records available.--January 1939 to September 1955. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 89.85 ft above mean sea level, datum of 1929, supplementary adjustment of 1946. Prior to July 10, 1939, staff gage at site 200 ft downstream at same datum. Since Jan. 30, 1940, auxiliary staff gage read twice daily at Vienna Ferry, 12 miles downstream at datum 7.5 ft lower.

Average discharge.--16 years, 8,040 cfs.

Extremes.--Maximum discharge during year, 77,000 cfs Mar. 29; maximum gage height, 40.8 ft Mar. 29; minimum discharge, 247 cfs Oct. 4, 5 (gage height, 2.62 ft).
1939-55: Maximum discharge, 163,000 cfs Jan. 9, 1949; maximum gage height, 46.9 ft Jan. 9, 1949; minimum discharge, 165 cfs Sept. 21, 1954 (gage height, 2.34 ft).
Maximum stage known, 50.2 ft in April 1892, present datum, from reports of U. S. Weather Bureau.

Remarks.--Records good.

Cooperation.--Gage-height record and 15 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	283	339	671	12,800	3,460	29,100	48,500	5,810	12,900	2,120	3,460	850
2	264	384	890	12,500	3,130	24,600	40,700	5,180	14,100	1,760	3,020	1,120
3	250	410	1,040	14,500	2,910	18,600	35,000	4,610	13,100	1,480	2,600	1,010
4	*247	470	950	13,100	2,910	12,800	25,600	4,120	8,640	1,360	2,030	860
5	247	510	890	8,880	3,020	8,770	16,500	3,680	4,920	1,260	1,680	742
6	283	510	830	*6,120	8,770	6,530	9,910	3,350	3,350	1,260	1,440	671
7	460	520	*742	4,560	16,400	5,750	12,500	3,020	2,800	1,640	1,260	594
8	550	572	698	3,680	*20,300	5,440	15,500	2,700	2,450	5,070	1,180	572
9	475	616	704	3,130	22,000	5,560	16,200	2,600	2,700	6,180	1,600	530
10	331	605	715	3,240	21,000	5,380	15,600	2,350	2,910	6,180	2,800	520
11	299	550	715	4,920	19,000	5,070	16,400	2,210	2,700	4,920	3,020	510
12	303	520	742	5,790	16,000	4,610	17,200	2,080	2,350	*3,680	2,800	490
13	355	500	830	5,160	12,000	4,270	20,400	1,980	2,120	2,800	2,400	470
14	373	480	1,010	4,560	8,600	4,230	30,900	1,900	2,030	2,500	2,300	460
15	465	450	1,010	3,900	6,800	3,900	33,000	2,080	2,300	2,700	1,850	450
16	425	550	1,040	3,680	6,000	3,680	35,300	2,030	3,680	5,640	*1,400	440
17	386	594	1,040	4,230	6,800	3,480	38,000	1,980	4,800	11,900	1,150	430
18	375	638	980	5,040	6,500	3,680	41,100	1,850	4,120	10,900	1,010	420
19	364	742	920	8,100	6,400	4,800	41,300	1,800	3,240	7,960	920	410
20	347	920	920	12,400	6,100	7,120	39,500	1,800	2,600	6,700	830	400
21	339	920	950	12,600	6,910	12,100	36,700	2,080	2,120	5,160	770	391
22	331	830	950	11,900	17,000	20,600	31,600	2,160	1,800	6,050	770	382
23	331	742	950	13,300	24,300	*24,000	27,800	5,200	1,680	6,310	830	373
24	323	682	890	13,400	27,100	27,500	25,300	11,100	1,600	4,950	770	373
25	323	627	830	11,000	*28,400	*33,700	19,800	14,300	1,520	4,600	715	373
26	315	594	830	8,640	29,200	*44,000	16,800	*16,300	1,480	5,490	715	364
27	323	561	770	6,970	30,400	*58,000	11,700	15,500	1,440	5,500	693	355
28	323	561	830	5,740	30,800	*72,400	8,320	13,900	1,560	5,660	638	*378
29	331	561	2,080	4,770	-	*76,300	7,030	10,900	1,940	4,920	827	400
30	331	594	10,500	4,210	-----	89,000	6,430	9,400	2,300	4,340	616	410
31	331	-----	13,300	3,900	-----	57,700	-----	10,900	-----	3,680	671	-----
Total	10,701	17,532	50,217	236,720	392,210	662,850	735,590	168,770	115,250	144,870	46,565	15,728
Mean	345	564	1,620	7,636	14,010	21,380	24,520	5,444	3,642	4,673	1,502	524
Cfsm	0.058	0.097	0.270	1.27	2.34	3.57	4.09	0.909	0.641	0.780	0.251	0.087
In.	0.07	0.11	0.31	1.47	2.44	4.11	4.57	1.05	0.72	0.90	0.29	0.10

Calendar year 1954: Max 29,700 Min 172 Mean 3,736 Cfsm 0.624 In. 8.46
Water year 1954-55: Max 76,300 Min 247 Mean 7,115 Cfsm 1.19 In. 16.14

* Discharge measurement made on this day.

Lubbub Creek near Carrollton, Ala.

Location.--Lat 33°15', long 88°05', in E½ sec. 10, T. 21 S., R. 15 W., near center of channel on upstream side of highway bridge, 1 mile southeast of Carrollton and 4 miles upstream from Little Lubbub Creek.

Drainage area.--116 sq mi.

Records available.--September 1954 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 174.24 ft above mean sea level, datum of 1929.

Extremes.--1954: Maximum discharge during September, 5.8 cfs Sept. 11 (gage height, 0.88 ft); minimum, 0.1 cfs Sept. 14-20.

1954-55: Maximum discharge during water year, 1,560 cfs Feb. 7 (gage height, 8.70 ft); minimum, 0.5 cfs Oct. 4, 5 (gage height, 0.46 ft).

Remarks.--Records good above 10 cfs and fair below except those for periods of no gage-height record, which are poor.

Rating tables, Sept. 1, 1954, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

Sept. 1 to Dec. 30, 1954

Dec. 31, 1954, to Sept. 30, 1955

0.3	0.1	2.0	26	0.4	0.3	4.0	110
.4	.3	3.0	55	.5	.7	5.0	180
.5	.9	4.0	102	.6	1.2	6.0	276
.6	1.9	5.0	174	.7	1.9	7.0	440
.8	4.6	6.0	276	.9	4.8	7.5	590
1.5	16			1.5	17	8.0	850
				3.0	61	8.6	1,410

Discharge, in cubic feet per second, 1954

Day	Discharge	Day	Discharge	Day	Discharge	Day	Discharge
Sept. 1	ao.5	Sept. 9	0.2	Sept. 17	0.1	Sept. 25	1.8
2	*.6	10	.2	18	.1	26	2.6
3	.4	11	1.1	19		27	2.0
4	.2	12	2.8	20	.1	28	1.7
5	.4	13	.4	21	.3	29	1.6
6	.5	14	*.1	22	.5	30	1.2
7	.2	15	.1	23	.9		
8	.2	16	.1	24	1.1		
Total.....							22.1
Mean.....							0.737
Cubic feet per second per square mile.....							0.0063
Runoff in inches.....							0.007

Peak discharge (base, 1,100 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for stations on near-by streams.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	6.7	27	360	57	200	82	46	55	5.8	72	2.9
2	1.1	6.8	26	300	55	166	120	*42	33	4.3	51	3.2
3	.9	6.8	25	227	55	145	*170	35	22	3.5	38	4.0
4	.8	10	23	162	53	145	188	31	17	4.4	28	3.4
5	.7	18	23	107	65	134	208	27	14	3.7	27	3.0
6	1.2	24	22	74	541	120	232	24	12	5.6	21	2.8
7	5.9	25	22	59	*1,410	128	432	22	*11	5.8	16	2.6
8	26	22	21	51	1,280	120	680	22	10	20	19	2.4
9	14	18	23	48	885	102	550	21	9.3	27	62	2.3
10	7.4	*15	25	88	535	86	450	19	11	30	63	2.1
11	5.0	14	28	166	410	79	590	17	10	22	92	1.9
12	3.3	13	28	204	430	74	630	15	8.9	*16	102	1.7
13	*3.9	12	29	204	440	69	820	14	7.9	14	45	1.6
14	4.9	12	*31	173	370	65	960	16	9.5	25	24	*1.7
15	7.2	13	31	107	298	61	620	18	15	35	18	1.7
16	6.6	20	30	104	232	57	655	19	22	44	15	1.4
17	5.8	36	30	134	260	55	460	18	30	61	*12	1.6
18	4.8	46	35	*159	308	57	338	16	27	69	10	1.6
19	4.2	44	44	*248	322	102	238	18	19	48	8.5	1.4
20	3.6	58	48	*345	300	214	170	18	13	29	7.6	1.3
21	3.6	29	44	*390	308	457	176	16	10	20	7.3	1.3
22	3.6	23	36	360	*572	1,000	218	18	8.3	31	7.0	1.2
23	3.8	21	30	322	960	850	238	25	6.9	74	6.6	1.0
24	3.6	19	28	248	960	550	243	44	5.9	110	5.8	1.0
25	3.6	18	26	196	730	390	208	65	4.8	142	5.2	*1.0
26	3.5	18	24	138	490	294	131	69	5.4	112	4.7	1.0
27	3.3	18	24	94	345	192	84	69	8.1	51	4.1	1.0
28	3.9	19	29	79	254	142	85	46	20	82	5.5	1.0
29	4.0	22	126	74	-	125	57	36	13	124	3.1	1.0
30	5.2	26	265	69	-----	104	51	63	8.3	166	2.9	1.2
31	6.4	-----	370	63	-----	89	-----	63	-----	156	2.8	-----
Total	152.9	613.3	1,573	5,361	12,915	6,375	10,264	972	445.3	1,541.1	784.1	55.3
Mean	4.93	20.4	50.7	173	461	206	342	31.4	14.8	49.7	25.3	1.84
Cfsm	0.042	0.176	0.437	1.49	3.97	1.78	2.95	0.271	0.128	0.428	0.218	0.016
In.	0.05	0.20	0.50	1.72	4.14	2.04	3.29	0.31	0.14	0.49	0.25	0.02

Calendar year 1954: Max - Min - Cfsm - In. -
 Water year 1954-55: Max 1,410 Min 0.7 Mean 112 Cfsm 0.965 In. 13.15

Peak discharge (base, 1,100 cfs).--Feb. 7 (5 p.m.), 1,560 cfs (8.70 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Aug. 20 to Sept. 13; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

MOBILE RIVER BASIN

Sipsey River at Fayette, Ala.

Location.--Lat 33°40', long 87°49', in SW $\frac{1}{4}$ sec. 8, T. 16 S., R. 12 W., on downstream side of left bank pier of highway bridge, 1 mile southeast of Fayette and $1\frac{1}{2}$ miles downstream from Southern Railroad bridge.

Drainage area.--276 sq mi (revised).

Records available.--February 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 296.72 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Feb. 2, 1945, chain gage, Feb. 2, 1945, to June 8, 1949, wire-weight gage, and June 9, 1949, to Oct. 17, 1951, water-stage recorder, at site 300 ft downstream at same datum.

Average discharge.--16 years, 404 cfs.

Extremes.--Maximum discharge during year, 8,100 cfs Mar. 23 (gage height, 18.67 ft); minimum, 10 cfs Oct. 1, Sept. 21.

1939-55: Maximum discharge, 20,500 cfs Jan. 7, 1950, Mar. 29, 1951, from rating curve extended above 14,000 cfs; maximum gage height, 21.75 ft Jan. 8, 1946; minimum discharge observed, 7.0 cfs Sept. 15, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Mar. 23				Mar. 24 to Sept. 30			
5.9	9.8	13.0	1,440	5.9	9.8	10.0	794
6.1	17	15.0	2,440	6.1	17	12.0	1,250
6.4	36	17.0	4,310	6.4	36	14.0	1,920
6.8	74	18.0	6,000	6.8	74	15.0	2,440
7.6	190	18.5	7,500	7.2	131	17.0	4,310
10.0	687			8.0	335		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	20	92	793	210	508	*363	197	139	41	117	25
2	16	22	67	561	210	435	*632	170	102	35	94	24
3	19	22	58	446	203	382	814	150	81	37	78	16
4	16	31	50	330	183	340	589	*133	71	30	64	18
5	15	64	47	268	201	330	532	119	62	35	57	21
6	17	68	48	236	1,490	298	589	111	58	55	53	21
7	13	49	48	208	2,000	288	914	105	58	226	48	19
8	13	38	54	178	4,580	288	1,310	90	*55	611	60	17
9	12	32	64	165	2,900	248	934	82	*54	446	551	16
10	13	26	71	238	1,100	230	834	75	58	144	336	15
11	13	*26	56	561	903	226	1,500	73	58	90	119	14
12	13	24	54	530	750	216	1,840	71	55	72	87	14
13	14	27	66	382	561	199	2,050	67	52	*82	73	14
14	*14	25	63	298	466	185	1,800	63	56	131	65	15
15	17	25	64	278	424	173	1,460	60	80	335	56	15
16	21	125	60	624	393	170	974	68	87	774	48	15
17	19	204	*67	729	519	170	754	64	79	509	*42	14
18	17	121	132	582	561	171	632	67	58	352	40	15
19	17	62	144	1,090	456	199	532	60	48	190	42	15
20	17	51	120	1,580	414	362	446	54	42	142	39	12
21	15	41	90	1,370	624	708	653	76	42	327	38	*11
22	15	35	74	1,060	1,700	1,950	1,370	81	52	634	32	12
23	17	32	66	*1,110	*2,120	6,490	954	75	41	634	29	13
24	16	32	61	729	3,620	3,850	874	144	47	484	26	13
25	15	31	56	561	*2,510	1,940	544	589	50	544	25	13
26	15	28	51	435	1,090	994	432	229	83	632	24	*15
27	18	33	48	351	729	754	349	122	200	509	22	15
28	21	42	74	330	603	611	304	86	138	391	22	15
29	27	74	432	298	-	532	273	364	72	318	22	15
30	32	130	1,180	258	-----	472	235	544	53	200	23	16
31	24	-----	1,540	228	-----	405	-----	243	-----	148	27	-----
Total	522	1,542	5,097	16,807	31,520	24,124	25,287	4,432	2,131	9,558	2,359	475
Mean	16.8	51.4	164	542	1,126	778	843	145	71.0	308	76.1	15.8
Cfsm	0.061	0.186	0.594	1.96	4.08	2.82	3.05	0.518	0.257	1.12	0.276	0.057
In.	0.07	0.21	0.69	2.26	4.25	3.25	3.41	0.60	0.29	1.29	0.32	0.06
Calendar year 1954: Max			6,600		Min 7.4	Mean 260		Cfsm 0.942	In. 12.81			
Water year 1954-55: Max			6,490		Min 11	Mean 339		Cfsm 1.23	In. 16.70			

Peak discharge (base, 2,500 cfs).--Feb. 8 (9:30 a.m.) 5,210 cfs (17.60 ft); Feb. 24 (11 a.m.) 4,060 cfs (16.77 ft); Mar. 23 (9 a.m.) 8,100 cfs (18.67 ft).

* Discharge measurement made on this day.

Sipsey River near Elrod, Ala.

Location.--Lat 33°15', long 87°46', in NE¼ sec. 3, T. 21 S., R. 12 W., on left bank at downstream side of bridge on U. S. Highway 82, a quarter of a mile upstream from Gulf, Mobile and Ohio Railroad bridge, 1 mile east of Elrod, and 2 miles downstream from Box Creek.

Drainage area.--518 sq mi (revised).

Records available.--August 1928 to March 1932, October 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 197.81 ft above mean sea level, datum of 1929, supplementary adjustment of 1944. Prior to Mar. 31, 1932, chain gage at railroad bridge a quarter of a mile downstream from present site at datum 1.93 ft higher.

Average discharge.--19 years (1928-31, 1939-55), 750 cfs.

Extremes.--Maximum discharge during year, 4,230 cfs Mar. 27 (gage height, 14.40 ft); minimum, 22 cfs Oct. 4 (gage height, 2.78 ft).
1928-32, 1939-55: Maximum discharge, 21,000 cfs Jan. 9, 1950, Mar. 31, 1951 (gage height, 18.1 ft); minimum, 12 cfs Sept. 20, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 8 to Dec. 15)

Oct. 1 to Mar. 26

Mar. 27 to Sept. 30

2.8	23	11.0	940	2.8	22	12.0	1,290
3.5	53	12.0	1,260	3.5	53	13.0	1,880
5.0	150	13.0	1,830	5.0	156	13.5	2,340
8.0	435	13.5	2,310	7.0	358	14.0	3,120
10.0	720	14.0	3,090	10.0	772	14.5	4,600
				11.0	975		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	29	85	547	760	2,640	1,530	692	442	144	618	46
2	26	32	100	605	575	2,250	1,330	506	442	106	418	43
3	24	36	128	620	459	1,950	1,110	406	310	86	300	43
4	23	40	128	635	413	1,690	950	346	210	73	250	44
5	25	48	107	669	391	1,440	864	*300	164	58	225	42
6	27	49	94	703	1,040	1,220	904	*270	*144	74	182	40
7	32	56	88	703	1,760	1,050	1,080	245	132	106	148	38
8	31	70	82	590	1,990	890	1,290	220	120	205	128	37
9	27	*80	88	435	1,870	760	1,290	205	114	280	117	38
10	27	70	97	413	1,760	652	1,290	186	110	358	124	37
11	25	60	97	575	1,440	560	1,680	168	110	*406	240	35
12	23	54	104	575	1,150	508	2,020	156	106	358	382	34
13	*23	50	110	560	1,260	459	2,340	148	106	245	310	32
14	23	46	*104	575	1,390	435	2,680	144	103	196	182	30
15	26	46	100	605	1,590	402	2,460	144	120	230	140	30
16	24	64	104	635	1,830	380	2,530	156	156	370	*120	28
17	25	91	107	620	1,950	360	2,530	182	160	492	106	29
18	24	100	132	590	1,690	350	2,340	156	148	534	96	29
19	23	135	150	740	1,440	402	2,070	140	140	576	86	*29
20	25	170	154	840	1,260	534	1,860	132	124	604	79	30
21	25	150	162	915	1,180	703	1,720	136	103	548	75	28
22	24	110	166	*990	*1,220	1,260	1,560	144	106	590	72	28
23	23	91	154	1,020	1,340	1,500	1,330	160	96	618	68	28
24	23	78	132	1,050	1,470	1,500	1,170	290	89	604	65	26
25	23	69	118	1,120	1,560	1,390	1,080	406	89	646	60	25
26	23	65	110	1,150	1,830	1,790	1,050	382	82	692	56	*24
27	23	64	104	1,260	2,370	3,900	1,080	406	103	844	52	25
28	25	70	107	1,300	2,990	3,120	1,110	430	114	925	50	26
29	27	73	270	1,300	-	*2,460	1,050	322	120	925	48	26
30	27	80	508	1,180	-----	2,070	884	334	168	864	48	27
31	27	-----	521	965	-----	1,790	-----	394	-----	772	47	-----
Total	781	2,176	4,511	24,485	39,978	40,415	46,182	8,306	4,531	13,539	4,892	977
Mean	25.2	72.5	146	790	1,428	1,304	1,539	268	151	437	158	32.6
Cfsm	0.049	0.140	0.282	1.53	2.76	2.52	2.97	0.517	0.292	0.844	0.305	0.063
In.	0.06	0.16	0.32	1.76	2.87	2.90	3.32	0.60	0.33	0.97	0.35	0.07
Calendar year 1954:	Max	6,000	Min	13	Mean	400	Cfsm	0.772	In.	10.48		
Water year 1954-55:	Max	3,900	Min	23	Mean	523	Cfsm	1.01	In.	13.71		

Peak discharge (base, 4,500 cfs).--No peak above base.

* Discharge measurement made on this day.

Sipsey River near Pleasant Ridge, Ala.

Location.--Lat 33°02', long 88°07', in S½ sec. 20, T. 24 N., R. 1 W., on downstream hand-rail of bridge on State Highway 40, 450 ft downstream from Hughes Creek, 2½ miles northwest of Pleasant Ridge, 6 miles upstream from mouth, and 6 miles south of Aliceville.

Drainage area.--753 sq mi (revised).

Records available.--February 1939 to September 1955 (incomplete October 1939 to September 1943).

Gage.--Wire-weight gage read twice daily. Datum of gage is 105.13 ft above mean sea level, datum of 1929, supplementary adjustment of 1946. Prior to Dec. 21, 1942, staff gage at site 300 ft upstream at same datum. Auxiliary staff gage read twice daily on Tombigbee River at Vienna Ferry, 2 miles upstream from Sipsey River.

Average discharge.--12 years (1943-55), 1,153 cfs.

Extremes.--Maximum discharge during year, 4,520 cfs Apr. 15; maximum gage height, 18.46 ft Mar. 31, from graph based on gage readings; minimum daily discharge, 27 cfs Oct. 8, 9, 17.
1939-55: Maximum discharge, 21,900 cfs Apr. 2, 1951; minimum daily determined, 17 cfs Sept. 13, 1954.

Remarks.--Records fair.

Cooperation.--Gage-height record and 12 discharge measurements furnished by Corps of Engineers.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 20 to July 30; fall used as a factor Feb. 24 to Mar. 2, Mar. 24 to Apr. 5, Apr. 13-24)

1.7	26	4.0	430
2.0	50	8.0	2,020
2.5	108	12.0	3,900
3.0	188	13.5	4,550

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	34	102	640	1,400	1,950	3,940	1,240	430	115	360	115
2	47	32	102	720	1,400	2,580	3,880	1,200	430	153	920	69
3	44	34	102	760	1,280	3,080	3,460	1,040	460	153	800	61
4	*35	40	108	760	1,040	3,210	2,880	760	460	122	560	76
5	32	46	108	760	880	2,860	2,720	560	345	95	430	72
6	31	55	145	*760	3,170	2,520	2,390	460	260	95	320	64
7	32	59	*122	800	3,260	2,230	2,560	400	238	102	283	68
8	27	67	130	800	*3,300	1,930	2,270	358	217	102	238	61
9	27	66	115	800	*2,730	1,760	2,020	320	207	102	207	60
10	30	70	102	840	2,310	1,520	1,930	295	179	179	179	57
11	32	83	102	800	2,270	1,320	2,650	283	162	283	179	54
12	32	83	115	800	2,350	1,120	2,650	260	162	358	170	52
13	32	102	115	800	2,390	920	3,630	260	153	370	260	52
14	31	75	122	760	2,690	800	3,920	238	153	*358	370	50
15	32	75	130	760	3,550	720	4,460	217	179	320	332	48
16	30	82	122	760	3,750	840	4,090	198	260	271	*217	46
17	27	83	130	840	3,500	640	3,610	207	283	295	188	43
18	28	89	130	920	3,120	560	3,200	217	248	385	162	42
19	28	115	170	1,040	2,900	540	3,000	238	217	430	145	42
20	28	122	170	1,200	2,690	1,000	2,990	217	188	490	130	40
21	28	130	170	1,160	2,520	1,850	3,080	207	170	600	122	38
22	28	162	179	1,160	2,560	2,560	2,920	198	153	1,200	115	37
23	28	162	198	1,200	2,600	*2,600	2,710	217	140	1,000	108	36
24	32	130	179	1,200	2,370	2,500	2,530	370	150	840	102	36
25	31	115	162	1,200	2,160	2,200	2,140	430	122	760	95	*35
26	30	102	145	1,200	1,930	1,890	1,850	*490	122	840	95	35
27	30	95	260	1,200	1,860	*1,700	1,560	490	115	880	89	35
28	32	89	460	1,240	1,860	1,780	1,400	460	115	800	89	*35
29	33	89	560	1,280	-	2,280	1,280	460	108	840	82	30
30	32	89	800	1,320	-----	*3,330	1,240	525	115	880	122	32
31	34	-----	610	1,350	-----	4,000	-----	460	-----	960	130	-----
Total	998	2,575	5,965	29,840	67,840	58,490	82,960	13,275	6,521	14,378	8,199	1,561
Mean	32.2	85.8	192	963	2,423	1,987	2,765	428	217	464	264	52.0
Cfsm	0.043	0.114	0.255	1.28	3.22	2.51	3.67	0.568	0.288	0.616	0.351	0.069
In.	0.05	0.13	0.29	1.47	3.35	2.89	4.10	0.66	0.32	0.71	0.40	0.08
Calendar year 1954: Max			5,570		Min 17	Mean 562	Cfsm 0.746	In. 10.14				
Water year 1954-55: Max			4,460		Mean 27	Mean 802	Cfsm 1.07	In. 14.45				

Peak discharge (base, 4,500 cfs).--Apr. 15 (11 a.m.) 4,520 cfs (13.6 ft).

* Discharge measurement made on this day.

Noxubee River near Brooksville, Miss.

Location.--Lat 33°13'30", long 88°42'10", in center of sec. 19, T. 16 N., R. 16 E., Choctaw meridian, on right bank at downstream side of highway bridge, a quarter of a mile downstream from Shotbag Creek, 3½ miles upstream from Lynn Creek, 4½ miles downstream from Octoc Creek, 5½ miles upstream from Yellow Creek, and 7 miles west of Brooksville.

Drainage area.--440 sq mi, approximately.

Records available.--July 1940 to June 1942, January 1944 to September 1955.

Gage.--Water-stage recorder. Prior to May 18, 1945, staff gage and May 18, 1945, to July 22, 1949, wire-weight gage, at same site and datum.

Average discharge.--12 years (1940-41, 1944-55), 599 cfs.

Extremes.--Maximum discharge during year, 6,220 cfs Apr. 14 (gage height, 19.08 ft); no flow at times.
1940-42, 1944-55: Maximum discharge, 55,000 cfs Mar. 29, 1951 (gage height, 23.88 ft), from rating curve extended above 14,000 cfs by logarithmic plotting; no flow at times during 1952-54.

Remarks.--Records good except those below 5 cfs, which are fair.

Cooperation.--Gage-height record and 12 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to July 23				July 24 to Sept. 30			
0.2	0	6.0	463	0.3	0	1.0	18
.3	.9	10.0	1,060	.4	.6	1.5	42
.5	4.9	14.0	1,780	.5	1.9	2.0	72
.7	12	17.0	2,550	.6	3.8	3.0	149
1.0	26	18.0	3,500	.8	10		
2.0	76	19.0	5,900				
3.0	149						

Note.--Same as preceding table above 3.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.8	217	66	511	232	104	247	33	65	4.5
2	0	0	2.8	90	62	335	324	91	176	28	79	4.0
3	0	0	6.4	65	60	272	292	82	127	26	67	4.5
4	0	1.5	9.6	58	55	232	272	74	101	25	58	4.6
5	0	.8	7.3	55	58	203	302	71	85	26	49	5.0
6	0	.4	*5.4	48	872	180	335	*85	*85	352	45	6.2
7	0	5.0	4.9	42	1,860	144	1,070	63	79	365	40	5.8
8	0	31	4.1	36	1,420	123	1,540	58	66	123	34	6.2
9	0	16	4.1	34	1,350	108	1,460	54	62	79	460	5.8
10	0	*9.6	3.1	*113	1,310	104	1,580	47	56	68	212	3.8
11	0	5.4	2.9	302	740	98	1,890	44	56	66	85	3.4
12	0	2.9	4.3	252	368	94	1,910	41	52	66	55	3.4
13	.1	1.8	6.6	252	242	94	3,000	38	62	68	46	2.4
14	.4	.9	26	149	194	88	5,900	36	58	71	36	2.0
15	.1	1.2	17	112	167	*82	5,900	33	106	104	28	1.6
16	0	2.3	14	131	167	79	5,310	30	154	324	24	1.3
17	4.1	6.0	20	136	357	79	3,650	28	112	357	20	1.3
18	*2.7	13	16	190	324	79	2,540	26	162	368	17	1.6
19	1.5	12	12	588	335	112	1,440	25	104	*292	14	1.1
20	.9	34	8.9	*511	292	421	511	23	76	*252	12	.6
21	.7	21	7.3	588	656	*964	357	32	62	185	10	.7
22	.4	13	6.6	561	2,380	*2,150	403	282	54	123	*9.6	1.2
23	.3	7.9	6.4	403	2,600	2,170	439	252	46	227	9.3	1.2
24	.4	9.6	6.6	324	3,080	2,440	451	555	41	292	7.6	.8
25	.3	7.9	6.6	262	3,580	3,110	324	1,220	38	247	6.5	.7
26	.1	5.4	6.0	185	3,230	2,900	247	1,580	36	208	5.8	*.6
27	.1	4.1	5.4	140	2,490	2,100	194	1,780	34	217	5.3	.6
28	.2	2.3	6.4	108	*1,440	636	162	1,860	31	162	4.5	.6
29	.3	1.0	252	91	-	579	140	1,350	28	111	4.0	.7
30	.2	1.8	379	76	-	292	123	631	38	89	5.0	.7
31	.1	-	302	71	-	262	-	368	-	70	5.6	-
Total	12.9	216.8	1,160.5	6,190	29,755	21,041	42,378	10,946	2,432	5,025	1,519.2	75.9
Mean	0.42	7.23	37.4	200	1,063	679	1,413	353	81.1	162	49.0	2.53
Cfsm	0.00095	0.016	0.085	0.455	2.42	1.54	3.21	0.802	0.184	0.368	0.111	0.0058
In.	0.001	0.02	0.10	0.52	2.51	1.78	3.58	0.93	0.21	0.42	0.13	0.006
Calendar year 1954: Max	3,000			Min	0	Mean	223	Cfsm	0.507	In.	6.88	
Water year 1954-55: Max	5,900			Min	0	Mean	331	Cfsm	0.752	In.	10.21	

Peak discharge (base, 3,000 cfs).--Feb. 25 (3 p.m.) 3,650 cfs (18.09 ft); Mar. 25 (7:30 p.m.) 5,300 cfs (17.84 ft); Apr. 14 (2 p.m.) 6,220 cfs (19.08 ft).

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Noxubee River at Macon, Miss.

Location.--Lat 33°06'05", long 88°33'40", in NE $\frac{1}{4}$ sec. 4, T. 14 N., R. 17 E., Choctaw meridian, on left bank at downstream side of bridge on U. S. Highway 45 at Macon, a quarter of a mile upstream from Cedar Creek, 1 mile downstream from Gulf, Mobile and Ohio Railroad bridge, $1\frac{1}{2}$ miles downstream from Horse Hunters Creek, and $6\frac{1}{4}$ miles upstream from Running Water Creek.

Drainage area.--812 sq mi.

Records available.--August 1928 to May 1932, September 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 142.38 ft above mean sea level, datum of 1929 (levels of Corps of Engineers). Prior to May 31, 1932, chain gage at site 40 ft downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, wire-weight gage at present site and datum.

Average discharge.--20 years (1928-31, 1938-55), 876 cfs.

Extremes.--Maximum discharge during year, 6,900 cfs Apr. 16 (gage height, 25.94 ft); minimum, 27 cfs Oct. 1 (gage height, 6.11 ft).
1928-32, 1938-55: Maximum discharge, 52,000 cfs Mar. 30, 1951 (gage height, 32.97 ft); minimum, 22 cfs Aug. 25, 26, 1943 (gage height, 4.89 ft).

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 7 to Dec. 29)

Oct. 1 to Apr. 16				Apr. 17 to Sept. 30		
6.1	26	12.0	1,200	6.2	28	8.0 265
6.5	45	15.0	1,940	6.6	62	10.0 725
7.0	118	18.0	2,720	7.0	107	
8.0	268	22.0	4,350			
10.0	725	26.0	7,000			

Note.--Same as preceding table above 10.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	33	50	357	127	2,530	357	213	437	64	116	39
2	28	31	43	277	121	917	426	*195	315	72	108	41
3	29	31	42	196	117	473	677	179	246	67	123	39
4	29	42	42	139	111	391	*533	168	198	67	120	36
5	28	42	39	121	130	336	642	157	166	*62	107	35
6	28	82	36	113	2,490	325	1,770	148	157	71	95	34
7	31	59	41	106	3,500	336	3,020	144	192	359	88	34
8	38	*42	45	98	2,980	305	3,460	137	192	426	83	36
9	32	40	47	91	2,120	251	5,160	130	148	246	74	36
10	32	59	45	284	1,540	234	2,290	121	130	148	435	35
11	30	62	59	336	1,420	226	2,700	115	126	127	265	34
12	32	50	53	414	917	218	3,050	108	130	115	135	34
13	41	45	*47	315	497	202	4,840	105	116	117	99	33
14	54	40	50	296	346	199	5,820	102	114	259	84	33
15	73	42	54	234	286	192	6,610	97	128	336	*75	33
16	48	51	62	234	343	184	6,900	94	237	285	70	32
17	38	52	67	*251	917	178	6,700	88	246	677	62	33
18	34	91	61	440	893	174	6,260	84	179	677	58	33
19	32	57	82	917	605	194	5,340	82	211	545	55	33
20	32	42	70	869	497	821	3,720	82	163	380	52	33
21	31	53	56	677	1,340	1,840	1,250	85	128	414	47	32
22	31	74	48	773	4,330	4,150	677	97	108	653	44	32
23	31	66	45	677	4,950	4,570	629	431	95	275	42	31
24	30	55	44	473	5,060	*4,460	605	845	93	368	42	31
25	30	45	42	368	4,680	3,670	545	2,020	83	357	41	32
26	29	40	38	305	4,000	3,020	391	2,090	91	305	41	*39
27	30	43	39	242	3,620	2,880	336	1,790	95	256	40	31
28	31	46	47	202	*5,340	2,670	285	1,770	83	265	39	34
29	48	48	472	174	1,350	256	1,870	72	208	208	39	35
30	33	53	485	154	557	228	1,540	58	156	39	41	
31	38	---	653	151	---	414	---	*749	---	128	39	---
Total	1,063	1,516	3,004	10,284	51,277	38,267	73,477	15,836	4,747	8,485	2,757	1,034
Mean	34.3	50.5	96.9	332	1,831	1,234	2,449	511	158	274	88.9	34.5
Cfsm	0.042	0.062	0.119	0.409	2.25	1.52	3.02	0.629	0.195	0.337	0.109	0.042
In.	0.05	0.07	0.14	0.47	2.35	1.75	3.37	0.73	0.22	0.39	0.13	0.05

Calendar year 1954: Max 5,690 Min 25 Mean 421 Cfsm 0.518 In. 7.04
Water year 1954-55: Max 6,900 Min 28 Mean 580 Cfsm 0.714 In. 9.72

Peak discharge (base, 5,000 cfs).--Feb. 24 (1 p.m.) 5,120 cfs (23.40 ft); Apr. 16 (5 a.m.) 6,900 cfs (25.94 ft).

* Discharge measurement made on this day.

Noxubee River near Geiger, Ala.

Location.--Lat 32°55', long 88°18', in SE $\frac{1}{4}$ sec. 33, T. 23 N., R. 3 W., near left bank on downstream side of pier of bridge on State Highway 17, half a mile upstream from Woodards Creek, 1 mile upstream from Alabama, Tennessee and Northern Railroad bridge, and 4 miles north of Geiger.

Drainage area.--1,140 sq mi, approximately (revised).

Records available.--March 1939 to September 1940, July 1944 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 86.08 ft above mean sea level, datum of 1929, supplementary adjustment of 1946. Prior to Sept. 30, 1940, staff gage at site of old highway bridge 1 mile downstream at datum 84.64 ft above mean sea level. July 26, 1944, to June 5, 1949, wire-weight gage at present site and datum. Auxiliary water-stage recorder on Tombigbee River at Gainesville, $1\frac{1}{2}$ miles downstream from Noxubee River.

Average discharge.--12 years (1939-40, 1944-55), 1,539 cfs.

Extremes.--Maximum discharge during year, 8,270 cfs Apr. 14 (gage height, 29.1 ft); minimum, 23 cfs Oct. 5.
1939-40, 1944-55: Maximum discharge, 37,600 cfs Mar. 31, 1951 (gage height, 42.7 ft); minimum, 13 cfs July 7, 1954.

Remarks.--Records fair except those for period of no gage-height record, which are poor. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage.

Cooperation.--Gage-height record and 16 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

(Shifting-control method used Nov. 15 to Dec. 28; fall used as a factor Dec. 31 to Jan. 9, Jan. 13, 14, Jan. 21 to Feb. 2, Feb. 9-16, 20, Feb. 25 to Mar. 14, Mar. 25 to Apr. 5, Apr. 16 to May 3, May 28, June 1-5)

Oct. 1 to Dec. 30					Dec. 31 to Sept. 30				
2.4	23	3.5	163		2.3	31	8.0	1,300	
2.6	36	4.5	420		3.0	84	16.0	3,500	
3.0	77	8.0	1,430		3.8	190	24.0	5,700	
					5.0	435	29.0	8,200	

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	27	48	804	207	3,740	468	325	1,180	94	263	64
2	26	29	53	600	190	3,140	520	295	580	83	205	56
3	27	31	61	439	180	1,460	742	275	418	77	185	45
4	24	31	56	*261	172	592	*946	255	328	75	171	41
5	*24	30	51	200	374	432	3,200	235	285	76	177	40
6	27	35	51	178	4,680	396	6,400	216	247	90	162	39
7	27	45	*52	160	*7,150	385	6,300	200	*235	200	140	39
8	27	66	50	147	6,450	398	6,700	190	245	800	120	39
9	27	71	52	140	*4,740	375	5,580	182	265	1,000	369	41
10	29	*51	56	292	3,350	315	4,280	171	225	450	518	41
11	33	42	61	745	2,410	275	4,540	159	188	270	365	39
12	34	40	62	655	2,140	257	4,450	148	*165	375	448	39
13	35	55	65	580	1,590	241	5,700	137	162	275	253	*38
14	35	55	75	435	940	225	7,950	127	158	305	166	38
15	35	50	65	385	614	216	7,900	120	168	355	126	37
16	41	43	57	385	519	207	7,200	117	200	820	*109	37
17	63	39	63	385	1,710	198	6,650	112	245	820	94	37
18	56	48	70	*661	2,120	190	*6,370	107	345	1,270	84	37
19	*40	58	81	2,160	1,600	219	6,280	100	265	1,240	75	37
20	32	71	77	2,090	1,060	2,070	6,050	98	249	760	70	38
21	27	80	90	1,450	1,970	3,450	5,340	101	247	522	67	38
22	25	57	96	1,240	4,300	*6,500	3,230	112	192	850	63	36
23	25	46	76	1,330	6,350	7,300	1,250	117	158	1,600	60	38
24	27	57	64	1,060	6,200	6,550	916	1,420	136	790	57	37
25	27	69	58	723	5,500	5,460	891	3,050	117	548	55	36
26	27	62	53	524	4,980	4,560	742	*2,750	111	498	54	35
27	25	54	53	435	4,450	*5,780	526	2,550	448	522	153	34
28	25	50	68	365	4,030	*3,360	458	2,260	340	375	52	*35
29	27	45	1,340	305	-	*3,060	398	2,190	158	345	52	38
30	27	48	1,110	265	-----	*1,640	355	2,280	112	410	58	39
31	28	-	730	229	-----	*552	-----	2,020	-----	398	66	-----
Total	960	1,485	4,944	19,608	79,976	61,533	112,322	22,415	8,170	16,193	4,737	1,190
Mean	31.0	49.5	53	633	2,856	1,985	3,744	723	272	522	153	39.7
Cfsm	0.027	0.043	0.139	0.555	2.51	1.74	3.28	0.634	0.239	0.458	0.134	0.035
In.	0.03	0.05	0.18	0.64	2.61	2.01	3.66	0.73	0.27	0.53	0.15	0.04

Calendar year 1954: Max 8,080 Min 22 Mean 591 Cfsm 0.518 In. 7.03
Water year 1954-55: Max 7,960 Min 24 Mean 914 Cfsm 0.802 In. 10.88

Peak discharge (base, 12,000 cfs).--No peak above base.

Discharge measurement made on this day.

Note.--No gage-height record July 4-11, Aug. 23-30, Sept. 2-12; discharge estimated on basis of recorded range in stage, weather records, and records for station at Macon, Miss.

Tombigbee River at Gainesville, Ala.

Location.--Lat 32°49', long 88°09', in SE $\frac{1}{4}$ sec. 2, T. 21 N., R. 2 W., on downstream side of right bank pier of bridge on State Highway 39 at Gainesville, 2 miles downstream from Noxubee River.

Drainage area.--8,700 sq mi, approximately.

Records available.--October 1938 to September 1955. Gage-height records collected at same site since 1937 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 63.29 ft above mean sea level, datum of 1929, supplementary adjustment of 1946. Prior to Feb. 1, 1939, wire-weight gage at present site and datum. Since Oct. 15, 1939, auxiliary water-stage recorder at Epes, 19 miles downstream from base gage; prior to Oct. 14, 1939, auxiliary staff gage at Epes, 700 ft upstream from present site.

Average discharge.--17 years, 11,330 cfs.

Extremes.--Maximum discharge during year, 67,900 cfs Apr. 1 (gage height, 44.8 ft); minimum not determined.

1938-55: Maximum discharge, 168,000 cfs Jan. 11, 1949; maximum gage height, 53.9 ft Jan. 11, 1949; minimum daily discharge, 250 cfs Sept. 21, 22, 1954.

Remarks.--Records good above and fair below 2,500 cfs.

Cooperation.--Gage-height record and 35 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				13,400	5,360	37,200	67,600	7,980	13,000	3,000	5,040	(*)
2				14,000	5,040	37,600	67,500	*7,310	14,800	2,640	4,710	
3				*15,400	4,710	32,500	59,500	6,710	15,000	2,100	4,030	
4				15,400	4,540	24,400	44,800	5,840	11,800	1,950	3,520	
5	(*)			*12,100	4,590	15,800	39,500	4,950	7,440	2,030	2,520	
6			(*)	8,690	23,300	11,900	32,300	4,610	4,710	1,720	2,160	1,050
7				6,190	32,300	9,280	30,000	4,020	3,520	2,090	1,970	
8	470	680	1,180	5,080	*34,900	8,080	31,300	3,670	3,560	4,360	1,870	
9				4,380	*32,300	8,050	29,000	3,400	3,620	6,300	2,400	
10				4,710	*29,400	8,080	25,700	3,370	3,710	6,480	4,230	
11				*5,700	25,900	7,600	28,200	2,960	3,590	5,840	4,080	
12				6,750	22,800	6,800	27,900	2,960	3,310	5,040	4,080	
13				6,490	18,600	6,180	34,200	2,940	3,010	4,200	3,490	
14				5,900	14,000	5,680	40,500	2,690	2,870	*3,580	3,250	
15				5,370	11,400	5,200	42,500	2,620	3,070	3,350	*2,690	
16				5,060	11,000	5,120	44,200	2,860	3,390	4,450	1,950	600
17				5,100	11,700	5,270	45,900	2,640	4,670	9,270	1,650	
18				6,330	12,500	4,950	48,100	2,780	5,140	13,200		
19		(*)	(*)	*10,300	11,400	5,200	*49,600	2,620	4,460	*11,700		
20			1,350	*13,900	10,600	7,030	*50,500	2,560	3,740	*9,070		
21				15,000	11,300	16,800	*49,800	2,280	2,450	*7,380		
22				14,500	21,000	28,200	*46,800	2,720	2,340	7,140		
23			940	15,200	32,400	*33,600	41,100	3,840	2,460	9,070		
24	460			15,700	*35,900	37,000	34,800	10,900	2,320	7,920	1,070	
25				14,000	38,000	39,600	29,000	13,800	2,220	6,320	(*)	520
26				11,600	39,000	*42,600	24,300	18,400	2,180	6,160		
27				9,520	37,000	*46,800	18,300	*19,000	2,480	7,120		(*)
28			6,800	8,170	37,600	51,700	12,500	17,900	2,150	7,760		
29				6,920	-	*57,300	9,600	15,300	2,200	6,550		
30				6,090	-----	*62,300	8,400	12,400	2,900	6,320	(*)	
31		-----	(*)	5,550	-----	66,100	-----	12,000	-----	5,730	(*)	-----
Total	14,410	24,300	72,000	292,500	578,540	733,900	*1,113.2	208,030	142,110	179,620	68,820	21,700
Mean	465	810	2,323	9,435	20,660	23,670	37,110	6,711	4,737	5,794	2,220	723
Cfsm	0.053	0.093	0.267	1.08	2.37	2.72	4.27	0.771	0.544	0.686	0.255	0.083
In.	0.06	0.10	0.31	1.25	2.47	3.14	4.76	0.69	0.61	0.77	0.29	0.09
Calendar year 1954: Max	35,500				Min	250	Mean	5,234	Cfsm	0.602	In.	8.16
Water year 1954-55: Max	67,600				Min	-	Mean	9,450	Cfsm	1.09	In.	14.74

* Discharge measurement made on this day.

Expressed in thousands.

Note.--Discharge for periods of low fall Oct. 1 to Dec. 31, Aug. 18 to Sept. 30, estimated on basis of records for station at Cochrane.

Mulberry Fork near Garden City, Ala.

Location.--Lat 34°00', long 86°45', in NE¼ sec. 16, T. 12 S., R. 2 W., on left bank near downstream side of bridge on U. S. Highway 31, 1,000 ft downstream from Louisville & Nashville Railroad bridge, 1 mile southwest of Garden City, and 5½ miles downstream from Mud Creek.

Drainage area.--368 sq mi (revised).

Records available.--June 1928 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 380.54 ft above mean sea level, datum of 1929. Prior to Dec. 3, 1934, chain gage, and Dec. 4, 1934, to Jan. 4, 1939, wire-weight gage, at same site and datum.

Average discharge.--26 years (1928-31, 1932-55), 635 cfs.

Extremes.--Maximum discharge during year, 20,400 cfs Mar. 22 (gage height, 15.40 ft); minimum, 3.2 cfs Oct. 25-27 (gage height, 1.91 ft).

1928-55: Maximum discharge, 46,600 cfs Feb. 4, 1936 (gage height, 24.0 ft, from floodmark); minimum observed, 3 cfs Sept. 28-30, Oct. 1, 3-6, 1931 (gage height, 1.88 ft).

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.9	3.0	3.8	346
2.0	5.5	4.4	440
2.1	9.0	5.0	1,020
2.3	20	6.0	1,840
2.5	36	8.0	4,240
2.8	75	10.0	7,810
3.3	180	12.0	12,300

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	4.4	58	810	518	915	490	175	395	50	113	45
2	6.6	4.1	35	820	755	915	648	155	299	43	89	29
3	21	4.4	26	545	470	894	700	144	244	34	77	24
4	11	5.5	21	440	372	635	490	132	202	33	60	22
5	7.4	7.0	37	372	418	620	415	*122	175	35	62	20
6	6.3	7.8	87	330	11,800	595	465	107	155	72	63	19
7	42	9.9	89	277	4,300	724	1,400	103	*890	84	40	18
8	54	10	54	237	2,400	560	730	94	405	117	52	16
9	24	8.6	46	237	1,750	475	575	87	219	90	28	14
10	15	7.0	72	550	1,560	440	668	77	178	72	27	13
11	11	5.7	74	754	2,570	415	1,570	70	172	166	34	12
12	*9.0	5.2	54	525	1,570	386	1,160	66	160	96	62	11
13	7.8	5.2	44	440	1,240	342	2,730	62	130	*66	55	11
14	6.3	4.9	36	350	1,090	314	3,400	64	119	50	35	11
15	5.5	5.5	33	662	950	342	2,040	70	128	51	26	9.9
16	4.9	48	31	880	850	368	1,480	304	115	180	964	9.4
17	4.4	85	*54	892	1,020	545	1,160	231	100	150	2,550	9.4
18	4.1	34	300	704	820	440	950	124	82	84	270	8.6
19	4.1	*23	199	1,700	756	730	760	89	70	57	153	7.8
20	4.1	20	130	1,090	670	915	640	85	62	172	*100	7.8
21	3.9	17	92	985	676	5,610	664	117	55	159	70	*7.4
22	3.6	14	75	1,620	4,820	10,000	615	1,370	51	55	63	7.0
23	3.4	12	63	1,120	3,600	2,680	490	505	46	588	637	7.4
24	5.4	10	56	915	*2,500	1,840	415	1,230	74	306	204	7.5
25	3.2	9.4	48	*736	1,750	*1,520	346	1,220	445	560	111	7.4
26	3.2	8.6	44	585	1,400	1,400	295	485	150	296	78	26
27	3.2	9.0	38	545	1,120	950	267	322	128	144	60	*19
28	3.4	15	46	500	985	880	240	244	117	362	50	14
29	4.1	202	3,200	435	---	748	219	2,680	78	442	43	11
30	4.4	113	1,270	377	---	615	196	950	60	384	36	9.0
31	4.4	---	590	330	---	540	---	570	---	199	40	---
Total	293.6	715.2	7,000	20,533	52,110	39,153	26,218	12,054	5,502	5,197	6,232	431.5
Mean	9.47	23.8	226	662	1,861	1,231	874	389	183	168	201	14.4
Cfsm	0.026	0.065	0.614	1.80	5.06	3.35	2.38	1.06	0.497	0.457	0.546	0.039
In.	0.03	0.07	0.71	2.08	5.27	3.86	2.65	1.22	0.56	0.53	0.63	0.04

Calendar year 1954: Max 15,100 Min 3.2 Mean 390 Cfsm 1.06 In. 14.38
 Water year 1954-55: Max 11,800 Min 3.2 Mean 478 Cfsm 1.30 In. 17.65

Peak discharge (base, 13,000 cfs).--Feb. 6 (2:30 p.m.) 20,200 cfs (15.26 ft); Mar. 22 (3 a.m.) 20,400 cfs (15.40 ft).

* Discharge measurement made on this day.

Sipsey Fork near Jasper, Ala.

Location.--Lat 33°54'40", long 87°05'00", in SE $\frac{1}{4}$ sec. 17, T. 13 S., R. 5 W., near left bank on downstream side of bridge on State Highway 69, 200 ft downstream from Mill Creek, a third of a mile upstream from Boyd Creek, $3\frac{1}{2}$ miles downstream from Ryan Creek, 11 miles upstream from mouth, and 13.7 miles northeast of Jasper.

Drainage area.--971 sq mi (revised).

Records available.--July 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 253.77 ft above mean sea level, datum of 1929, supplementary adjustment of 1944. Prior to Sept. 23, 1953, wire-weight gage at same site and datum.

Extremes.--Maximum discharge during year, 43,900 cfs Mar. 22 (gage height, 51.20 ft); minimum, 25 cfs Oct. 13 (gage height, 0.73 ft).

1952-55: Maximum discharge, that of Mar. 22, 1955; minimum, 9.0 cfs Sept. 20, 1954 (gage height, 0.54 ft).

Remarks.--Records good except those for period of no gage-height record, which are fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Backwater from return of overbank flow Dec. 30,
51, Feb. 7-9, 25-25, Mar. 22-25)

0.7	21	14.0	4,560
.9	48	21.0	8,560
1.2	106	33.0	19,300
3.0	566	47.0	37,000
7.0	1,760		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	65	198	2,130	670	1,840	1,170	566	670	191	488	58
2	33	65	144	2,280	854	1,730	1,170	514	514	158	371	58
3	31	62	151	1,510	854	1,410	1,290	475	410	138	286	51
4	31	67	106	1,170	670	1,230	1,110	*425	345	151	234	48
5	27	114	106	966	696	1,230	994	384	298	281	234	48
6	29	118	154	826	18,200	1,140	1,170	358	271	304	214	48
7	27	106	156	696	21,000	1,480	4,440	332	371	1,050	178	46
8	27	78	148	592	8,900	1,290	3,330	298	*384	1,730	166	45
9	31	65	156	540	4,500	1,140	2,360	271	261	966	184	45
10	33	63	161	882	2,990	1,080	1,980	246	231	1,020	196	42
11	33	65	174	1,760	3,920	1,050	3,970	254	238	722	168	42
12	32	62	164	1,580	3,100	966	4,380	221	246	527	218	39
13	*27	55	156	1,140	2,360	882	5,240	221	216	540	174	39
14	31	51	161	910	2,020	774	8,350	218	218	*501	a150	38
15	32	55	156	1,200	1,800	748	5,340	211	294	644	a140	36
16	33	142	*148	2,390	1,620	748	3,410	236	296	938	a130	33
17	33	294	156	1,870	1,950	1,050	2,620	449	236	882	358	33
18	32	*191	284	1,550	1,690	1,080	2,060	358	201	631	276	32
19	33	128	358	4,380	1,510	1,510	1,690	261	171	488	174	31
20	32	97	286	4,150	1,580	3,060	1,410	221	148	397	a140	*51
21	32	93	251	2,810	1,580	12,800	1,690	314	154	488	a130	28
22	32	78	191	3,460	9,480	37,000	1,800	1,480	144	397	a110	27
23	33	69	171	2,990	*15,000	16,000	1,410	1,020	198	670	*102	27
24	33	65	156	2,320	7,800	*6,850	1,230	1,380	371	1,020	93	27
25	33	62	141	*1,800	4,200	5,840	1,140	2,280	208	1,200	78	*27
26	33	56	131	1,380	3,180	3,250	994	1,170	854	2,090	67	28
27	36	58	124	1,200	2,580	2,390	882	748	774	1,290	85	29
28	40	74	141	1,080	2,170	1,980	800	553	527	2,320	62	29
29	50	268	12,400	938	-	1,730	722	2,020	345	1,760	60	29
30	62	332	14,200	826	-----	1,480	644	1,760	241	938	58	31
31	65	-----	3,660	722	-----	1,320	-----	966	-----	670	55	-----
Total	1,069	3,098	35,029	51,848	126,674	114,138	68,796	20,188	9,815	25,102	5,359	1,125
Mean	34.5	103	1,130	1,673	4,524	3,682	2,293	651	327	810	173	37.5
Cfsm	0.036	0.106	1.16	1.72	4.66	3.79	2.36	0.670	0.337	0.834	0.178	0.059
In.	0.04	0.12	1.34	1.99	4.85	4.37	2.63	0.77	0.38	0.96	0.21	0.04

Calendar year 1954: Max 27,100 Min 10 Mean 935 Cfsm 0.963 In. 13.08

Water year 1954-55: Max 37,000 Min 27 Mean 1,266 Cfsm 1.30 In. 17.70

Peak discharge (base, 18,000 cfs).--Dec. 30 (1 a.m.) 21,400 cfs (34.92 ft); Feb. 6 (11 p.m.) 31,300 cfs (43.14 ft); Feb. 23 (4 a.m.) 18,700 cfs (32.35 ft); Mar. 22 (10 a.m.) 43,900 cfs (51.20 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for stations on nearby streams.

Blackwater Creek near Manchester, Ala.

Location.--Lat 33°54'30", long 87°15'25", in SE $\frac{1}{4}$ sec. 15, T. 13 S., R. 7 W., on right bank at downstream side of highway bridge, a quarter of a mile downstream from small unnamed tributary, 2 miles east of Manchester, and 5 $\frac{1}{2}$ miles north of Jasper.

Drainage area.--188 sq mi (revised).

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 401.04 ft above mean sea level, datum of 1929, unadjusted.

Average discharge.--17 years, 296 cfs.

Extremes.--Maximum discharge during yera, 3,220 cfs Mar. 22 (gage height, 7.23 ft); minimum daily, 4.8 cfs Oct. 23, 24.

1938-55: Maximum discharge, 8,050 cfs Jan. 9, 1946 (gage height, 11.49 ft); minimum daily, 1.3 cfs Oct. 25, 1938.

Remarks.--Records good except those for periods of no gage-height record, which are poor. Occasional regulation at very low flow by mill 2 miles above station.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Backwater from local inflow May 24)

1.3	3.5	3.4	249
1.5	7.0	4.0	447
1.8	16	4.5	677
2.1	31	5.0	1,000
2.4	55	7.0	3,000
2.8	111		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.8	11	66	1,200	169	417	244	119	124	84	140	15
2	7.2	10	46	761	169	373	252	108	90	67	109	15
3	7.0	10	37	504	166	323	313	96	70	57	86	15
4	7.2	11	33	366	145	289	271	*90	59	55	72	14
5	9.2	30	32	289	204	274	230	82	53	67	63	13
6	9.0	41	36	244	2,520	252	241	76	50	80	56	12
7	7.2	30	44	197	2,620	255	417	70	53	500	51	12
8	6.2	18	44	162	2,500	238	447	65	*51	800	46	11
9	12	14	42	153	1,940	207	483	59	48	450	174	11
10	13	12	39	298	1,080	195	483	55	43	300	140	11
11	9.5	11	39	500	1,000	190	1,040	52	40	320	79	10
12	7.8	11	38	413	694	178	1,080	50	46	*195	63	10
13	*7.0	10	36	323	500	162	1,490	48	44	175	53	10
14	8.8	9.3	37	252	420	147	2,040	46	43	236	47	10
15	6.8	11	*41	307	373	136	1,440	44	53	359	40	9.5
16	5.8	50	39	587	342	132	928	49	69	722	35	9.8
17	6.8	*134	47	544	402	134	641	86	58	661	34	9.0
18	6.8	97	76	*552	384	147	479	66	40	377	33	8.8
19	6.6	57	124	1,160	336	192	380	55	35	236	33	8.5
20	5.6	39	97	1,080	304	346	310	50	31	166	33	*8.0
21	5.1	32	76	928	443	1,180	522	55	28	162	30	10
22	4.9	30	63	964	1,460	2,780	677	200	30	246	29	9.0
23	4.8	28	54	800	*1,940	2,890	475	120	40	246	*27	8.0
24	4.8	24	49	605	1,790	*3,000	359	*500	115	289	24	8.0
25	5.2	21	45	459	1,490	2,140	286	474	282	283	21	*8.2
26	6.2	20	40	349	928	1,000	233	220	630	241	20	8.0
27	6.0	20	38	298	650	576	202	132	313	558	18	8.2
28	7.0	24	62	271	496	447	178	94	313	558	18	8.2
29	9.0	49	1,060	241	-	363	155	370	175	535	-18	8.0
30	11	70	1,340	210	-	310	134	339	111	277	16	8.0
31	12	-	1,160	185	-	271	-	197	-	192	16	-
Total	234.3	934.3	4,982	15,202	25,445	19,544	16,430	4,067	3,269	9,214	1,624	306.2
Mean	7.56	31.1	161	490	909	630	548	131	109	297	52.4	10.2
Cfsm	0.040	0.165	0.856	2.61	4.84	3.35	2.91	0.697	0.580	1.58	0.279	0.054
In.	0.05	0.18	0.99	3.01	5.03	3.87	3.25	0.80	0.65	1.82	0.32	0.06

Calendar year 1954: Max 2,650 Min 1.9 Mean 176 Cfsm 0.936 In. 12.73
Water year 1954-55: Max 3,000 Min 4.8 Mean 277 Cfsm 1.47 In. 20.03

Peak discharge (base, 1,800 cfs).--Feb. 6 (8:30 p.m.) 3,110 cfs (7.07 ft); Feb. 23 (1 a.m.) 1,990 cfs (6.04 ft); Mar. 22 (3 a.m.) 3,220 cfs (7.23 ft); Apr. 14 (1 a.m.) 2,340 cfs (6.41 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 21-23, Oct. 27 to Nov. 1, Nov. 3-10, 13-16, May 16, 19-23, June 17-18, 21-23, July 6-11; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

MOBILE RIVER BASIN

Lost Creek near Oakman, Ala.

Location.--Lat 33°45'50", long 87°21'30", in SE $\frac{1}{4}$ sec. 3, T. 15 S., R. 8 W., on right bank on downstream side of pier of bridge on State Highway 69, a quarter of a mile upstream from Wolf Branch, three-quarters of a mile downstream from Pumpkin Creek, 4 miles northeast of Oakman, and 6 $\frac{1}{2}$ miles southwest of Jasper.

Drainage area.--130 sq mi (revised).

Records available.--November 1951 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 280 ft (from topographic map).

Extremes.--Maximum discharge during year, 4,290 cfs Feb. 7 (gage height, 18.80 ft); no flow Oct. 25, 27, 28.
1951-55: Maximum discharge, that of Feb. 7, 1955; no flow Oct. 25 to Nov. 7, 1953, Oct. 25, 27, 28, 1954.

Remarks.--Records good above 50 cfs, fair between 10 and 50 cfs, and poor below 10 cfs.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 24 to Dec. 29)

0.17	0	1.0	31
.2	.1	1.4	73
.3	.6	2.0	157
.4	1.6	5.0	649
.5	3.4	10.0	1,760
.6	6.3	18.0	4,000
.8	16		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.4	0.8	20	274	112	242	134	57	63	21	102	5.6
2	9.1	.6	13	346	113	202	163	50	47	15	78	5.6
3	6.6	.3	8.6	202	105	174	202	43	35	12	66	4.4
4	5.3	.9	7.0	148	92	158	146	*38	28	9.6	53	4.4
5	5.3	1.6	12	126	139	157	134	35	23	14	44	4.1
6	5.0	19	10	109	2,970	142	154	29	17	98	36	3.6
7	3.2	15	5.3	90	4,000	142	458	26	18	342	30	3.2
8	2.8	*13	5.0	74	1,250	120	362	21	*20	742	24	3.0
9	2.3	14	13	73	526	106	250	20	22	202	82	3.2
10	2.0	14	13	252	410	99	329	18	16	154	72	3.4
11	1.6	10	11	458	780	96	1,490	17	15	157	38	3.4
12	1.0	5.9	11	250	509	86	761	15	15	*95	32	4.1
13	*.4	2.4	11	186	370	77	1,340	15	12	99	29	3.2
14	.4	.7	8.2	142	314	71	1,580	14	12	97	25	2.3
15	1.6	.1	7.4	202	282	71	685	13	18	286	19	2.1
16	2.8	12	*6.6	442	250	67	442	14	29	492	16	2.3
17	2.3	12	12	298	322	63	330	13	19	402	15	2.3
18	1.2	*15	25	344	266	63	258	13	15	193	15	2.3
19	.9	12	43	*1,370	226	81	210	11	11	114	14	2.3
20	.8	6.6	25	595	202	186	178	9.6	8.2	86	13	*3.0
21	.5	4.7	17	426	464	753	420	10	7.8	176	13	2.3
22	.3	2.1	14	649	1,920	2,930	526	74	7.4	687	*11	a1.3
23	.4	1.8	11	442	*2,280	1,600	314	42	10	338	11	a1.0
24	1.1	2.4	9.1	322	820	*543	234	193	62	362	9.1	a.8
25	Q	2.0	8.2	250	526	394	180	406	48	298	7.8	*a.7
26	.1	1.8	6.3	198	394	354	138	112	167	218	7.4	a.7
27	0	2.3	5.3	172	322	250	114	65	329	442	6.3	a.7
28	0	4.1	14	169	282	218	100	45	91	410	7.0	1.6
29	.3	7.4	1,000	148	-	193	87	293	51	314	9.6	2.1
30	.3	40	556	127	-----	168	71	210	31	184	9.1	2.1
31	.4	-----	218	116	-----	148	-----	95	-----	142	6.6	-----
Total	65.4	224.5	2,136.0	9,000	20,246	9,954	11,790	2,014.6	1,247.4	7,201.6	900.9	81.1
Mean	2.11	7.48	68.9	290	723	321	393	65.0	41.6	232	29.1	2.70
Cfsm	0.016	0.058	0.530	2.23	5.56	2.47	3.02	0.500	0.320	1.78	0.224	0.021
In.	0.02	0.06	0.61	2.57	5.79	2.85	3.37	0.58	0.36	2.06	0.26	0.02

Calendar year 1954: Max 3,760 Min 0 Mean 121 Cfsm 0.931 In. 12.62

Water year 1954-55: Max 4,000 Min 0 Mean 178 Cfsm 1.37 In. 18.55

Peak discharge (base, 3,000 cfs)--Feb. 7 (11 a.m.) 4,290 cfs (18.80 ft); Mar. 22 (9 p.m.) 3,280 cfs (15.60 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of 1 discharge measurement and records for stations on nearby streams.

Locust Fork below Snead, Ala.

Location.--Lat 34°08', long 86°23', in SE $\frac{1}{4}$ sec. 25, T. 10 S., R. 2 E., on right bank on upstream side of pier of bridge on State Highway 32, half a mile downstream from Mud Creek, $1\frac{1}{2}$ miles upstream from Slab Creek, and $2\frac{1}{4}$ miles northwest of Snead.

Drainage area.--147 sq mi (revised).

Records available.--August 1952 to September 1955

Gage.--Water-stage recorder. Datum of gage is 702.95 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 4,240 cfs Feb. 6 (gage height, 16.52 ft); minimum, 2.2 cfs Sept. 22.

1952-55: Maximum discharge, 7,750 cfs Jan. 16, 1954 (gage height, 25.1 ft); minimum, that of Sept. 22, 1955.

Remarks.--Records good above and fair below 20 cfs except those for periods of no gage-height record, which are poor.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used Nov. 1 to Dec. 29,
Sept. 12-30)

1.2	0.9	3.0	96
1.3	2.4	3.5	151
1.4	4.6	4.5	327
1.6	11	6.0	688
2.0	28	10.0	1,940
2.5	57	13.0	2,980

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*4.2	3.3	10	460	156	306	176	77	164	26	52	21
2	4.4	*3.7	9.3	622	484	338	228	73	125	38	37	13
3	3.9	3.5	8.9	437	316	276	414	64	102	50	30	11
4	3.9	4.9	9.2	267	230	248	276	55	83	30	25	9.0
5	3.9	4.9	15	201	208	230	230	48	72	23	22	8.0
6	3.7	5.8	29	168	2,770	230	230	45	63	18	20	7.0
7	3.9	5.5	20	136	2,910	230	448	43	72	*52	17	*6.6
8	3.7	5.5	18	113	1,270	198	460	40	90	52	15	6.6
9	3.7	4.9	17	106	742	178	327	37	60	34	*14	5.8
10	3.5	4.6	14	174	533	165	276	34	55	29	13	4.9
11	*3.5	5.2	12	392	622	154	558	31	60	28	12	4.9
12	3.7	6.6	10	327	460	142	661	29	70	36	11	6.0
13	3.7	6.9	*11	248	359	128	1,530	28	60	43	18	7.2
14	3.7	6.9	15	*188	327	120	2,080	27	53	34	26	4.9
15	3.5	7.5	19	222	296	118	1,090	45	50	36	18	3.9
16	3.1	13	19	370	*296	137	688	41	47	43	23	3.9
17	3.1	15	21	296	508	186	484	38	45	43	20	3.7
18	2.8	11	30	267	414	159	381	37	42	46	14	3.5
19	2.8	8.2	30	570	348	239	306	36	37	37	11	3.3
20	3.1	6.6	27	496	306	338	258	50	33	35	9.5	2.8
21	3.1	6.0	22	392	286	559	239	50	29	80	8.5	2.4
22	3.3	5.8	19	508	542	*1,430	258	250	25	110	10	2.2
23	3.3	5.2	17	437	883	1,120	193	98	60	110	65	2.8
24	3.1	4.9	15	348	742	661	165	249	80	85	31	5.8
25	3.1	4.6	14	286	546	472	137	258	48	120	25	12
26	3.1	4.6	12	230	426	484	114	130	40	110	18	8.2
27	3.1	5.2	12	204	370	348	*103	87	63	160	14	6.6
28	3.1	7.0	13	196	327	286	95	75	42	380	11	*4.6
29	3.1	8.9	636	170	-	258	87	1,090	36	120	9.0	4.4
30	2.6	11	1,180	148	-----	222	81	520	30	80	20	5.8
31	3.1	-----	715	130	-----	194	-----	*230	-----	64	40	-----
Total	105.8	196.7	2,999.4	9,109	17,677	10,154	12,573	3,915	1,834	2,152	659.0	191.8
Mean	3.41	6.56	96.8	294	631	328	419	126	61.1	69.4	21.3	6.39
Cfsm	0.023	0.045	0.658	2.00	4.29	2.23	2.85	0.857	0.416	0.472	0.145	0.044
In.	0.03	0.05	0.76	2.30	4.47	2.57	3.18	0.99	0.46	0.54	0.17	0.05
Calendar year 1954: Max	7,100			Min 2.6		Mean 153		Cfsm 1.04		In. 14.09		
Water year 1954-55: Max	2,910			Min 2.2		Mean 169		Cfsm 1.15		In. 15.57		

Peak discharge (base, 2,600 cfs)--Feb. 6 (1 p.m.) 4,240 cfs (16.52 ft).

* Discharge measurement made on this day.

Note.--No gage-height record May 3-21, June 4 to July 7, July 18 to Aug. 8, Aug. 10 to Sept. 6; discharge estimated on basis of records for stations near Cleveland and at Trafford.

MOBILE RIVER BASIN

Locust Fork near Cleveland, Ala.

Location.--Lat 34°02', long 86°34', in NE $\frac{1}{4}$ sec. 6, T. 12 S., R. 1 E., on downstream side of pier near center of bridge on U. S. Highway 231 and State Highway 38, 2 miles north of Cleveland and $\frac{3}{4}$ miles downstream from Graves Creek.

Drainage area.--309 sq mi (revised).

Records available.--December 1936 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 536.94 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Apr. 20, 1940, staff gage at site 200 ft upstream at same datum. Apr. 20, 1940, to Mar. 23, 1944, staff gage, and Mar. 24, 1944, to Apr. 11, 1945, wire-weight gage, at present site and datum.

Average discharge.--18 years (1937-55), 514 cfs.

Extremes.--Maximum discharge during year, 9,120 cfs Feb. 6 (gage height, 9.80 ft); minimum, 3.4 cfs Oct. 16, 17, 21, 22, 23, 24 (gage height, 0.67 ft).
1936-55: Maximum discharge observed, 47,000 cfs Dec. 28, 1942 (gage height, 19.2 ft; minimum since Oct. 1, 1943, 2.3 cfs Sept. 14, 15, 16, 1954; minimum prior to Oct. 1, 1943, not determined.

Remarks.--Records good above 10 cfs and fair below except those for periods of no gage-height record, which are poor.

Revisions (water years).--WSP 1112: 1943(M).

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.6	1.8	1.7	161
.7	4.3	2.3	380
.8	8.8	3.0	750
.9	16	6.0	3,190
1.1	38	8.0	5,590
1.3	69	9.0	7,400

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	5.4	15	762	262	612	380	150	402	a50	124	45
2	*8.3	*4.7	13	915	735	696	554	134	311	a43	80	26
3	14	4.3	10	696	594	576	866	124	248	a71	62	20
4	8.3	6.3	10	456	425	505	594	112	204	a68	51	16
5	6.3	6.8	15	540	589	470	475	103	176	a45	44	14
6	4.7	8.3	38	288	5,880	452	495	90	156	a36	39	12
7	5.4	8.8	33	234	4,990	505	985	86	179	*57	33	*11
8	8.8	8.8	30	201	2,680	425	873	77	248	95	31	10
9	7.6	7.6	26	188	1,600	376	660	71	142	77	*27	9.4
10	5.4	7.2	26	277	1,140	344	588	66	122	74	22	8.8
11	*4.3	7.2	20	560	1,350	327	985	59	127	80	23	8.8
12	4.3	6.7	17	555	1,020	299	1,180	54	153	52	21	8.3
13	4.3	5.8	*17	416	792	276	2,580	52	124	46	36	7.2
14	4.3	5.4	17	*331	696	262	3,480	52	106	59	55	6.7
15	4.0	5.8	16	384	630	254	2,280	91	99	52	37	6.7
16	3.7	17	16	642	582	269	1,440	305	a94	124	48	8.3
17	3.7	16	21	535	866	412	1,020	219	a89	228	42	8.3
18	4.0	15	39	480	*762	358	798	86	a81	117	24	7.2
19	4.0	12	37	1,020	642	485	642	73	a71	75	24	6.3
20	4.0	11	36	580	560	672	545	73	a64	69	17	5.8
21	3.7	11	34	732	525	970	510	84	a56	179	15	5.8
22	3.7	8.8	37	985	1,120	*3,980	515	532	a48	248	15	5.8
23	3.7	8.3	30	859	2,200	2,280	434	461	a140	237	150	5.1
24	4.0	7.6	27	678	1,600	1,520	362	1,040	176	195	67	5.4
25	4.3	7.2	25	545	1,180	1,020	299	1,130	a76	262	54	19
26	4.3	7.2	24	456	915	985	258	443	a54	245	38	28
27	4.3	8.3	21	402	786	762	*226	280	120	137	27	15
28	4.7	9.4	22	380	684	618	210	207	a82	840	22	*10
29	6.3	11	921	344	-	545	188	2,220	a70	276	16	8.3
30	5.8	18	1,560	303	-----	475	167	1,380	a60	176	26	7.6
31	5.4	---	1,260	269	-----	425	-----	*612	-----	148	88	-----
Total	184.7	268.9	4,413	16,093	35,605	22,155	24,569	10,466	4,088	4,457	1,358	355.8
Mean	5.31	8.96	142	519	1,272	715	619	358	156	144	43.6	11.9
Cfs/m	0.017	0.029	0.480	1.68	4.12	2.31	2.65	1.09	0.440	0.466	0.142	0.039
In.	0.02	0.03	0.53	1.94	4.29	2.67	2.96	1.26	0.49	0.54	0.16	0.04
Calendar year 1954: Max	13,100	Min	2.3	Mean	312	Cfs/m	1.01	In.	13.68			
Water year 1954-55: Max	5,880	Min	3.7	Mean	340	Cfs/m	1.10	In.	14.93			

* Peak discharge (base, 11,000 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for stations at Trafford and Sayre.

Locust Fork at Trafford, Ala.

Location.--Lat 33°50', long 86°45', in SW $\frac{1}{4}$ sec. 9, T. 14 S., R. 2 W., on left bank 50 ft downstream from new highway bridge, three-quarters of a mile northwest of Trafford, $\frac{1}{2}$ miles east of Coal Dale, and $2\frac{1}{2}$ miles upstream from Gurley Creek.

Drainage area.--625 sq mi (revised).

Records available.--September 1930 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 309.12 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Jan. 27, 1934, chain gage at same site and datum.

Average discharge.--24 years (1930-31, 1932-55), 1,003 cfs (unadjusted).

Extremes.--Maximum discharge during year, 18,600 cfs Feb. 7 (gage height, 30.7 ft); minimum, 13 cfs Oct. 1-3, 17-22.
1930-55: Maximum discharge, 60,700 cfs Jan. 6, 1949 (gage height, 59.1 ft); minimum daily, 8 cfs Oct. 20, 1931.

Remarks.--Records good. Diversion above station subsequent to 1938 by city of Birmingham from Inland Reservoir (usable capacity, 60,000 acre-ft) on Blackburn Fork for industrial water supply for city of Birmingham.

Revisions (water years).--WSP 782: 1934.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

(Rate of change in stage used as a factor Feb. 6, 7)

Oct. 1 to Feb. 6

Feb. 7 to Sept. 30

2.8	8.7	3.4	155	2.8	11	5.0	749
2.9	22	5.0	712	2.9	23	9.0	2,340
3.0	38	9.0	2,340	3.0	40	15.0	5,670
				3.2	88	25.0	13,200

Note.--Same as following table above 9.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	30	47	1,690	428	1,110	732	268	662	80	181	166
2	13	30	49	1,940	550	1,220	766	246	473	70	140	100
3	13	29	40	1,410	957	1,070	1,420	*224	371	65	104	67
4	16	30	35	992	694	928	1,260	202	294	62	85	47
5	17	42	40	730	590	856	964	185	246	100	70	40
6	22	40	158	590	11,700	820	892	170	215	85	83	35
7	20	47	158	484	13,100	874	1,900	158	*197	68	65	32
8	22	49	111	411	5,610	784	1,940	144	241	60	55	28
9	33	40	104	390	3,050	696	1,540	130	246	122	49	25
10	25	37	95	852	2,150	626	1,380	119	181	122	47	25
11	22	37	95	1,530	2,440	592	2,590	110	174	100	47	23
12	19	37	83	1,250	2,110	558	2,740	104	174	113	47	22
13	19	37	77	957	1,620	524	5,010	100	189	*85	51	21
14	19	35	71	730	1,380	507	8,610	94	166	75	49	21
15	*16	35	74	817	1,260	473	5,180	91	162	85	70	21
16	15	159	65	1,330	1,150	456	3,220	193	147	88	65	19
17	13	149	*79	1,210	1,580	575	2,200	415	130	177	310	18
18	13	114	191	1,060	1,580	644	1,660	224	116	259	153	17
19	13	*68	208	2,190	1,300	820	1,340	126	104	144	*91	17
20	13	44	158	1,850	1,150	1,540	1,110	140	97	147	67	17
21	13	37	126	1,490	1,040	1,850	1,070	202	85	277	55	*17
22	13	30	108	1,730	1,620	8,050	1,040	592	78	224	42	16
23	15	26	104	1,610	4,040	5,120	874	1,000	72	263	120	16
24	16	25	98	*1,330	*3,050	3,220	714	524	166	277	219	16
25	17	24	86	1,060	2,200	*2,200	592	2,390	181	263	126	18
26	19	24	74	870	1,740	2,240	490	874	119	294	85	18
27	20	24	71	764	1,460	1,620	419	507	104	72	*23	
28	20	30	71	1,120	1,300	1,300	374	351	130	344	51	47
29	25	40	3,130	624	-	1,110	339	1,570	119	700	42	35
30	28	38	3,380	537	-----	964	302	2,840	104	294	35	28
31	28	-----	2,090	467	-----	820	-----	1,110	-----	215	298	-----
Total	570	1,386	11,275	33,607	70,959	44,167	52,668	15,403	5,743	5,550	2,979	995
Mean	18.4	46.2	364	1,084	2,534	1,425	1,756	497	191	179	96.1	33.2
(t)	-72	-42	+76	+150	+234	+3	-8	-54	-71	-58	-68	-87
(s)	78	74	72	72	73	74	78	83	85	84	78	86

Calendar year 1954: Max 27,700 Min 9.8 Mean 634 Cfsm 1.01 In. 13.77
Water year 1954-55: Max 13,100 Min 13 Mean 672 Cfsm 1.08 In. 14.60

Peak discharge (base, 17,000 cfs).--Feb. 7 (1:30 a.m.) 18,600 cfs (30.7 ft).

* Discharge measurement made on this day.

+ Change in contents in Inland Reservoir, equivalent in cubic feet per second; for calendar year 1954, +3 cfs; for water year 1955, -1 cfs. Records furnished by city of Birmingham.

* Diversion from Inland Reservoir, in cubic feet per second; average diversion for calendar year 1954, 75 cfs; for water year 1955, 78 cfs. Records furnished by city of Birmingham.

Turkey Creek at Morris, Ala.

Location.--Lat 33°44'25", long 86°48'45", in SW¼ sec. 12, T. 15 S., R. 3 W., on right bank 60 ft upstream from bridge on U. S. Highway 31 at Morris, three-quarters of a mile downstream from Cunningham Creek, and 4 miles upstream from mouth.

Drainage area.--81.5 sq mi (revised).

Records available.--January 1944 to September 1955.

Gage.--Staff gage and crest-stage indicator; gage read twice daily. Datum of gage is 345.18 ft above mean sea level, datum of 1929.

Average discharge.--11 years, 132 cfs.

Extremes.--Maximum discharge during year, 5,520 cfs Feb. 6 (gage height, 14.23 ft); minimum observed, 9.4 cfs Nov. 25, 26, 27.

1944-55: Maximum discharge, 11,600 cfs Nov. 28, 1948 (gage height, 23.1 ft, from graph based on gage readings); minimum observed, 8.8 cfs Oct. 18, 19, 1953.

Remarks.--Records fair. Occasional slight diversions by sawmills above station.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used June 27 to Sept. 30)

0.7	7.0	3.0	365
.9	20	6.0	1,330
1.2	45	9.0	2,430
1.6	90	12.0	4,110
2.0	149		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	10	11	261	62	110	*90	51	76	30	38	13
2	19	11	12	216	65	96	149	48	59	26	30	13
3	20	10	12	132	53	90	110	*44	45	66	26	13
4	24	14	12	117	52	84	103	42	42	38	24	14
5	24	16	14	96	84	78	124	42	40	33	21	13
6	22	11	16	78	3,660	90	124	38	40	62	19	13
7	26	12	12	67	900	90	594	34	*41	38	17	12
8	22	12	11	52	390	77	280	32	38	96	17	12
9	22	12	16	60	269	71	196	30	34	60	17	12
10	22	11	16	610	206	65	396	30	46	48	16	13
11	16	11	14	*480	236	62	810	29	54	41	20	14
12	12	11	12	226	176	58	390	27	34	37	25	13
13	12	11	16	149	149	54	1,960	30	30	*44	14	13
14	*11	12	*15	117	140	52	740	36	34	41	12	13
15	11	12	13	176	124	53	390	30	39	46	11	13
16	11	51	12	176	132	52	269	45	34	43	14	13
17	11	34	19	132	292	56	196	37	28	42	19	13
18	15	16	48	204	216	55	158	32	26	43	15	13
19	15	*16	25	710	176	64	124	26	26	33	14	12
20	15	16	19	316	149	209	117	40	23	134	*28	13
21	14	14	16	258	149	272	206	46	22	78	19	*12
22	14	11	14	340	296	1,220	158	104	22	34	14	12
23	13	11	13	247	471	416	124	60	67	39	14	12
24	14	11	12	186	280	269	103	59	59	30	14	12
25	12	9.4	11	140	*206	216	90	51	55	33	13	12
26	14	9.4	10	117	167	166	78	41	45	72	13	13
27	12	12	10	110	140	149	77	34	75	37	13	*13
28	12	18	30	96	124	132	66	40	73	78	14	12
29	15	17	1,710	84	-	117	62	464	50	40	13	13
30	12	12	334	76	-	103	55	186	36	91	14	13
31	11	-----	132	67	-----	*96	-----	110	-----	51	14	-----
Total	491	435.8	2,617	6,096	9,364	4,742	8,339	1,918	1,293	1,584	552	382
Mean	15.8	14.5	84.4	197	334	153	278	61.9	43.1	51.1	17.8	12.7
Cfsm	0.194	0.178	1.04	2.42	4.10	1.88	3.41	0.760	0.529	0.627	0.218	0.156
In.	0.22	0.20	1.19	2.78	4.27	2.16	3.81	0.88	0.59	0.72	0.25	0.17

Calendar year 1954: Max 3,270 Min 9.4 Mean 74.2 Cfsm 0.912 In. 12.33
Water year 1954-55: Max 3,660 Min 9.4 Mean 104 Cfsm 1.28 In. 17.24

Peak discharge (base, 2,000 cfs).--Dec. 29 (10 a.m.) 2,480 cfs (9.08 ft); Feb. 6 (1 p.m.) 5,520 cfs (14.23 ft); Mar. 22 (6 a.m.) 2,240 cfs (8.50 ft); Apr. 13 (11 a.m.) 3,630 cfs (11.19 ft).

* Discharge measurement made on this day.

Locust Fork at Sayre, Ala.

Location.--Lat 33°42'35", long 86°59'00", in NW¼ sec. 29, T. 15 S., R. 4 W., on right bank at downstream side of highway bridge at Sayre, 1½ miles downstream from Camp Creek.

Drainage area.--887 sq mi (revised).

Records available.--July 1928 to March 1932 (published as "near Warrior"), May 1942 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 258.64 ft above mean sea level, datum of 1929 (levels by Corps of Engineers) July 1928 to March 1932 chain gage at site 9 miles upstream at different datum. May 11, 1942, to Jan. 16, 1943, staff gage and Jan. 17, 1943, to June 30, 1949, wire-weight gage, at present site and datum.

Average discharge.--13 years (1928-31, 1945-55), 1,474 cfs.

Extremes.--Maximum discharge during year, 20,200 cfs Feb. 7 (gage height, 27.32 ft); minimum daily, 24 cfs Sept. 27.

1928-32, 1942-55: Maximum discharge, 55,300 cfs Jan. 7, 1949 (gage height, 47.9 ft); minimum, 17 cfs Sept. 28, Oct. 2, 1931.

Remarks.--Records good except those for periods of doubtful or no gage-height record, which are poor. Diversion from 70 sq mi above station for industrial water supply for city of Birmingham.

Revisions (water years).--WSP 1142: 1943(M).

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Backwater from local inflow Nov. 16)

2.4	19	5.0	960
2.5	37	7.0	2,180
2.7	82	15.0	8,310
3.5	334	27.0	19,900

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	57	77	2,250	650	1,600	980	470	1,030	169	305	250
2	41	59	80	2,740	630	1,700	1,000	414	750	141	254	190
3	39	54	76	2,040	1,050	1,600	1,250	*580	570	150	212	129
4	37	56	70	1,470	955	1,400	1,590	338	470	165	187	98
5	37	64	70	1,080	780	1,200	1,260	316	399	138	215	80
6	41	70	72	885	11,000	1,200	1,160	291	334	171	126	60
7	65	75	159	700	19,600	1,300	2,180	267	309	251	112	54
8	77	80	193	600	11,700	1,200	3,090	254	274	298	104	50
9	75	80	168	560	5,000	1,000	2,320	228	*316	205	90	45
10	75	70	147	1,000	3,300	930	1,850	215	316	225	82	43
11	80	67	138	2,300	3,370	850	3,370	199	327	225	80	41
12	75	64	129	1,900	3,300	780	4,020	180	288	184	80	37
13	*65	62	124	1,500	2,460	720	5,620	174	264	209	82	37
14	50	60	*109	1,000	2,040	680	10,900	174	271	177	77	35
15	42	60	104	1,200	1,770	640	8,140	184	264	*184	77	35
16	37	*68	96	1,700	1,590	600	4,920	193	248	225	85	33
17	34	316	109	1,600	2,180	730	3,300	327	228	244	96	33
18	32	130	162	*1,530	2,390	900	2,460	490	205	274	299	33
19	30	144	330	3,440	1,970	1,200	1,900	298	184	334	199	*32
20	30	101	298	3,160	1,650	1,900	1,590	221	159	218	124	28
21	29	77	215	2,390	1,500	3,600	1,650	330	141	327	96	28
22	29	58	171	2,460	*2,100	10,100	1,770	590	138	391	*87	26
23	31	54	159	2,460	5,600	7,000	1,470	1,160	135	316	72	26
24	33	48	135	2,040	4,400	4,300	1,230	905	254	353	80	30
25	35	54	121	1,590	3,100	*3,230	1,000	1,710	291	353	228	*28
26	38	39	109	1,290	2,500	2,880	830	1,540	281	450	159	26
27	40	41	98	1,100	2,100	2,320	730	780	316	406	106	24
28	42	48	106	1,000	1,800	1,770	650	550	281	372	90	26
29	48	58	4,010	905	-	1,500	610	940	238	630	77	30
30	54	82	5,230	805	-----	1,260	530	3,660	215	590	68	52
31	55	-----	2,740	710	-----	1,100	-----	1,830	-----	414	68	-----
Total	1,437	2,355	15,779	49,375	100,455	61,190	73,360	19,608	9,476	8,788	4,017	1,639
Mean	46.4	78.5	509	1,593	3,588	1,974	2,445	633	316	283	130	54.6
Cfsm	0.052	0.088	0.574	1.80	4.05	2.23	2.76	0.714	0.356	0.319	0.147	0.062
In.	0.06	0.10	0.66	2.07	4.21	2.57	3.08	0.82	0.40	0.37	0.17	0.07
Calendar year 1954: Max	27,000			Min	21	Mean	850	Cfsm	0.958	In.	13.02	
Water year 1954-55: Max	19,600			Min	24	Mean	952	Cfsm	1.07	In.	14.58	

Peak discharge (base, 17,000 cfs).--Feb. 7 (6 a.m.) 20,200 cfs (27.32 ft).

* Discharge measurement made on this day.

Note.--Doubtful or no gage-height record Oct. 14 to Nov. 15, Jan. 7-17, Feb. 22 to Mar. 24; discharge estimated on basis of recorded range in stage, weather records, and records for station at Trafford.

MOBILE RIVER BASIN

Fivemile Creek at Ketona, Ala.

Location.--Lat 33°36'05", long 86°45'20", in NW¼ sec. 33, T. 16 S., R. 2 W., on left bank at downstream side of highway bridge at Ketona, 150 ft northwest of State Highway 38, 0.6 mile downstream from Barton Branch, 0.9 mile downstream from Tarrant Spring Branch, and 2 miles northeast of Tarrant City.

Drainage area.--22.8 sq mi (revised).

Records available.--August 1953 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 546.70 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 1,030 cfs Feb. 6 (gage height, 5.98 ft); minimum daily, 4.8 cfs Nov. 2.

1953-55: Maximum discharge, that of Feb. 6, 1955; minimum daily, that of Nov. 2, 1954.

A stage of about 12 ft has been reached on several occasions, from information by local residents.

Remarks.--Records good above 10 cfs and fair below except those for periods of no gage-height record, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 15, Sept. 20, 21)

Oct. 1 to Apr. 13

Apr. 14 to Sept. 30

0.6	3.9	2.0	106	0.7	5.2	1.4	41
.7	6.0	3.0	260	.9	11	2.0	104
.9	13	4.0	466	1.1	20	2.5	174
1.2	29	5.0	726				
1.6	62						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.7	5.0	8.9	66	21	36	31	23	19	11	12	8.8
2	7.3	4.8	8.9	38	21	33	54	22	18	34	12	8.4
3	7.1	5.0	8.6	29	20	32	37	21	18	14	11	8.1
4	6.9	7.7	8.3	25	18	30	34	21	16	14	10	8.4
5	7.1	7.0	9.3	22	37	28	40	20	16	18	11	8.8
6	9.4	6.3	8.6	21	*577	41	49	*20	*16	14	10	8.4
7	9.0	6.1	8.3	19	*160	33	94	18	16	13	9.7	7.3
8	7.9	6.0	8.0	17	98	30	61	18	15	13	9.4	7.0
9	7.3	6.0	11	18	72	28	52	18	14	13	9.4	7.0
10	6.8	5.9	8.9	119	59	27	82	18	17	11	9.1	7.5
11	6.6	5.8	8.3	*54	69	27	136	18	16	11	9.1	7.0
12	6.3	5.8	8.6	40	46	26	88	17	15	11	9.4	7.3
13	6.0	5.8	9.3	32	40	24	302	18	15	*12	9.4	7.0
14	*5.8	5.8	*8.9	27	37	24	143	18	15	11	9.1	7.0
15	6.0	*6.9	8.6	37	36	24	100	18	16	12	9.1	6.8
16	5.8	39	8.3	34	76	23	81	17	14	12	8.8	6.5
17	5.6	12	18	28	67	24	67	17	14	11	8.8	6.2
18	5.6	9.6	18	89	57	24	57	16	13	10	8.4	6.0
19	5.6	9.6	12	72	49	28	50	16	13	10	*8.4	6.0
20	5.4	9.6	11	46	44	52	46	18	13	10	8.8	5.7
21	5.2	8.9	11	50	42	148	53	18	13	11	8.8	*5.7
22	5.2	8.9	11	53	*72	180	44	45	12	11	9.1	6.5
23	5.4	8.6	11	40	72	90	39	18	15	11	9.1	6.2
24	5.6	8.6	11	36	58	69	35	21	14	13	9.1	6.5
25	5.6	8.3	10	32	49	59	32	20	13	12	8.8	6.5
26	5.8	8.3	9.6	29	44	51	30	18	13	12	8.4	7.0
27	6.6	9.3	9.3	29	41	43	29	17	13	11	8.8	*6.8
28	6.8	11	102	27	38	40	28	16	12	17	8.8	7.0
29	6.2	10	249	25	37	26	71	12	38	38	8.8	7.0
30	5.7	9.6	41	24	34	24	27	11	43	43	8.8	7.3
31	5.3	---	30	22	---	*32	---	22	---	14	8.8	---
Total	198.6	261.2	694.7	1,180	2,020	1,377	1,944	665	437	458	290.2	211.7
Mean	6.41	8.71	22.4	38.1	72.1	44.4	64.8	21.5	14.6	14.8	9.36	7.06
Cfsm	0.261	0.382	0.982	1.67	3.16	1.95	2.84	0.943	0.640	0.649	0.411	0.310
In.	0.32	0.43	1.13	1.92	3.29	2.25	3.17	1.08	0.71	0.75	0.47	0.55

Calendar year 1954: Max 527 Min 4.8 Mean 20.5 Cfsm 0.899 In. 12.17

Water year 1954-55: Max 577 Min 4.8 Mean 26.7 Cfsm 1.17 In. 15.87

Peak discharge (base, 950 cfs).--Feb. 6 (12:30 p.m.) 1,030 cfs (5.98 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 1-10, Oct. 16 to Nov. 7, Nov. 9-11, 13, 14; discharge estimated on basis of recorded range in stage, weather records, and records for nearby streams.

Village Creek near Adamsville, Ala.

Location.--Lat 33°36'20", long 87°00'25", in E½ sec. 36, T. 16 S., R. 5 W., on right bank at downstream side of highway bridge, a quarter of a mile upstream from Canoe Creek, 3.5 miles west of Adamsville, and 8 miles upstream from mouth.

Drainage area.--84.1 sq mi.

Records available.--October 1953 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 340 ft (by barometer).

Extremes.--Maximum discharge during year, 6,020 cfs Feb. 6 (gage height, 13.38 ft, from floodmarks); no flow Oct. 13-27, Sept. 18-25.

1935-55: Maximum discharge, that of Feb. 6, 1955; no flow Sept. 5-12, 14-20, Oct. 13-27, 1954, Sept. 18-25, 1955.

A stage of about 21 ft has been reached on several occasions, from information by local residents.

Remarks.--Records good above 30 cfs, fair between 5 and 30 cfs, poor below 5 cfs and for periods of no gage-height record. Considerable regulation by Tennessee Coal, Iron, and Railroad Co. reservoir (usable capacity, 1.7 billion gallons) about 8 miles upstream. Diversion for industrial use in the Birmingham area affects low flow.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used Sept. 24-30)

0.5	0	1.8	87
.7	.4	2.2	160
.7	1.3	2.6	250
.8	3.2	3.0	350
.9	6.1	5.0	960
1.1	15	8.0	2,320
1.4	38	12.0	4,900

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	13	280	a68	108	*69	49	44	4.0	72	0.2
2	.4	.1	9.6	236	a75	93	236	*41	32	15	65	.2
3	.4	.1	9.6	130	a64	83	140	35	28	115	59	.2
4	.4	.5	7.6	95	a60	73	95	33	20	34	53	.1
5	.4	.5	7.2	68	a150	63	130	32	20	107	95	.1
6	.4	.5	36	54	*a4,700	133	136	33	20	137	58	.1
7	.4	.4	18	48	824	152	542	33	27	104	56	.1
8	.3	.4	11	40	402	77	301	30	15	103	146	.1
9	.3	.4	6.9	47	286	68	215	29	*8.0	182	114	.1
10	.2	.5	20	446	217	60	363	26	9.2	156	68	.1
11	.2	.6	16	*363	264	55	705	24	70	129	73	.1
12	*.2	.7	12	175	171	48	389	21	25	*72	56	.1
13	0	.7	20	110	140	36	1,170	32	18	110	46	.1
14	0	.7	*16	87	130	34	660	39	18	77	34	.2
15	0	.8	11	137	115	43	402	26	63	70	28	.1
16	0	*116	7.2	202	161	45	288	29	42	135	*30	.1
17	0	68	5.8	124	528	48	217	35	25	72	28	.1
18	0	24	160	198	281	62	173	21	20	39	24	0
19	0	13	46	542	208	115	144	17	15	26	16	*0
20	0	6.9	29	257	171	288	117	42	10	a90	8.0	0
21	0	4.3	18	208	*152	389	162	121	8.8	a260	4.6	0
22	0	3.2	13	a250	286	1,250	142	258	6.5	200	6.1	0
23	0	2.3	9.6	a160	402	402	105	99	5.5	140	5.2	0
24	0	1.6	8.8	a130	267	284	97	186	4.6	110	3.0	0
25	0	1.4	7.2	a110	202	215	68	87	6.9	113	1.7	0
26	0	1.0	4.9	a100	169	160	61	45	56	132	.9	.1
27	0	1.9	3.7	a91	142	128	61	32	30	87	.5	.1
28	.2	1.3	3.7	a87	112	106	61	21	14	184	.4	.1
29	.2	22	*1,350	a90	93	56	310	7.6	195	195	.3	.1
30	.2	23	286	a70	80	53	128	2.2	158	158	.2	.1
31	.1	---	122	a63	---	72	---	64	---	95	---	.2
Total	4.5	295.9	2,288.8	4,988	10,747	4,863	7,358	1,978	672.3	3,451.0	1,152.1	2.6
Mean	0.145	9.86	73.8	161	384	157	245	63.8	22.4	111	37.2	0.087
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 2,690 Min 0 Mean 69.6 Cfsm - In. -

Water year 1954-55: Max 4,700 Min 0 Mean 104 Cfsm - In. -

Peak discharge (base, 3,000 cfs).--Feb. 6 (time unknown) 6,020 cfs (13.38 ft).

* Discharge measurement or observation of no flow made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

MOBILE RIVER BASIN

Valley Creek near Oak Grove, Ala.

Location.--Lat 33°26'50", long 87°07'20", in NW¼ sec. 25, T. 18 S., R. 6 W., near center of span on downstream side of highway bridge, 1,000 ft downstream from Raccoon Branch, 1.5 miles east of Oak Grove, and 10.5 miles west of Bessemer.

Drainage area.--145 sq mi.

Records available.--May to July 1936, August 1953 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 320 ft (by barometer). May 16 to July 12, 1936, chain gage at site 500 ft downstream at same datum.

Extremes.--Maximum discharge during year, 8,520 cfs Feb. 6 (gage height, 20.55 ft); minimum daily, 73 cfs July 2.

1936, 1953-55: Maximum discharge, 8,570 cfs Jan. 16, 1954 (gage height, 20.7 ft); minimum daily, 59 cfs June 22, 25, 28-30, July 6, 1936.

Remarks.--Records fair except those for periods of no gage-height record, which are poor. Low flows largely consist of municipal sewage and industrial waste.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

3.4	73	5.0	1,180
3.6	157	10.0	3,680
3.8	277	17.0	6,940
4.2	650		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120	84	116	857	212	357	293	184	180	88	270	148
2	150	103	125	620	225	341	663	*168	180	73	196	143
3	140	100	116	349	201	317	420	184	170	142	184	148
4	140	248	107	277	184	293	341	179	170	197	179	139
5	130	224	107	244	288	277	429	179	170	236	206	129
6	130	134	142	212	*6,620	364	438	174	*196	212	162	129
7	130	125	111	196	1,840	445	1,180	168	201	415	148	139
8	120	116	125	179	990	309	785	148	179	750	402	134
9	110	134	157	168	909	293	600	143	162	309	211	134
10	100	129	143	673	660	277	697	157	190	410	125	134
11	100	111	120	713	689	270	1,860	148	238	*225	326	129
12	*120	111	107	429	468	251	960	148	148	196	125	134
13	116	116	*134	333	402	258	2,770	168	139	277	116	139
14	107	107	134	277	375	218	1,460	168	174	301	120	134
15	111	*107	134	341	357	238	960	160	218	232	120	129
16	103	*550	125	529	441	225	761	150	190	301	*139	134
17	96	174	134	*366	1,190	258	590	150	157	218	174	129
18	92	129	190	459	688	280	468	140	152	225	162	125
19	107	129	143	1,030	550	576	402	140	129	232	157	*116
20	103	148	125	610	447	1,050	366	160	125	244	157	134
21	100	125	134	519	*411	1,340	438	300	139	479	152	129
22	103	111	130	678	682	3,780	366	800	139	611	148	134
23	92	120	129	447	970	1,100	301	320	143	560	157	134
24	84	125	125	375	726	853	270	620	129	357	162	134
25	100	116	116	349	570	716	244	280	152	384	162	125
26	107	111	103	309	478	600	244	210	134	585	152	111
27	107	116	103	285	420	457	238	180	120	285	152	134
28	125	152	121	277	384	402	232	170	120	433	143	143
29	162	225	*2,190	244	-	375	218	1,000	116	353	139	134
30	92	134	599	218	-----	341	201	400	103	386	143	134
31	84	-----	317	201	-----	*309	-----	220	-----	232	148	-----
Total	3,481	4,412	6,662	12,764	22,237	17,150	19,195	7,716	4,763	9,948	5,337	3,992
Mean	112	147	215	412	794	553	640	249	159	321	172	133
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1954: Max 6,520 Min 84 Mean 235 Cfsm - In. -
 Water year 1954-55: Max 6,620 Min 73 Mean 322 Cfsm - In. -

Peak discharge (base, 5,000 cfs).--Feb. 6 (2:30 p.m.) 8,520 cfs (20.55 ft); Mar. 22 (5 a.m.) 6,200 cfs (15.40 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 1-11, Dec. 18, 22, May 15 to June 5; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Hurricane Creek near Holt, Ala.

Location.--Lat 33°12'45", long 87°26'55", in S½ sec. 14, T. 21 S., R. 9 W., on left bank on downstream side of pier of bridge on State Highway 116, half a mile downstream from Cottondale Creek, 2½ miles southeast of Holt, and 6 miles upstream from mouth.

Drainage area.--108 sq mi (revised).

Records available.--July 1952 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 173.70 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 7,660 cfs Feb. 6 (gage height, 13.71 ft), caused by failure of Canyon Lake dam, from rating curve extended above 4,400 cfs; maximum natural discharge, 6,700 cfs Feb. 6 (gage height, 12.5 ft); minimum, 2.8 cfs Oct. 1, 6, 13, 16, 17.
1952-55: Maximum discharge, that of Feb. 6, 1955; maximum natural discharge, that of Feb. 6, 1955; minimum, 1.7 cfs Sept. 5, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Dec. 29				Dec. 30 to Sept. 30			
1.3	2.0	2.0	26	1.2	3.6	2.4	125
1.4	3.0	54	54	1.3	5.7	2.9	260
1.6	6.0	2.6	124	1.4	9.0	3.5	515
1.7	8.5	3.0	237	1.5	14	5.0	1,370
1.8	12	4.0	700	1.7	27	10.0	4,870
				2.0	60		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	6.2	12	312	61	144	104	64	77	13	64	29
2	3.3	6.2	12	254	63	127	268	59	63	12	56	17
3	3.0	6.2	12	133	56	114	200	52	51	11	36	12
4	3.0	14	10	91	51	108	153	47	43	11	32	9.9
5	2.9	20	11	73	237	99	189	*46	37	12	35	9.0
6	3.4	11	11	63	4,590	112	215	43	*44	105	31	9.0
7	5.4	8.2	10	54	1,270	131	884	37	44	48	25	8.7
8	4.0	7.5	9.7	48	605	101	560	33	33	37	20	8.3
9	3.4	*7.2	12	48	398	91	347	30	27	36	15	7.0
10	3.1	7.2	14	200	295	89	796	27	*32	26	11	5.7
11	*3.1	7.2	12	264	299	88	1,720	26	46	*26	9.9	5.5
12	3.0	7.2	13	148	203	82	725	25	32	24	9.0	6.4
13	3.0	7.5	*21	108	173	77	2,350	31	25	21	9.4	5.5
14	3.1	8.0	20	84	163	73	1,200	36	23	38	8.3	4.9
15	3.1	11	16	92	148	74	648	27	99	40	7.7	4.6
16	2.9	79	14	186	164	73	442	30	73	43	*7.4	4.6
17	3.1	23	33	*153	359	71	331	37	39	66	7.7	4.4
18	4.0	12	67	206	247	78	257	29	28	36	9.9	4.2
19	3.8	8.9	32	398	203	455	206	25	23	26	21	*4.2
20	3.7	8.9	22	*234	170	780	175	26	22	20	22	4.0
21	3.7	9.7	18	181	181	744	292	58	35	17	13	3.6
22	3.7	8.2	17	200	351	1,100	244	123	23	58	8.7	3.6
23	3.8	8.0	16	153	*560	550	181	157	22	134	7.4	3.6
24	3.8	12	14	129	363	355	151	664	22	80	6.4	3.6
25	4.0	13	13	110	260	267	123	418	18	56	7.0	3.8
26	4.0	6.2	13	94	212	212	106	181	46	76	7.0	*4.0
27	4.1	7.2	14	89	181	163	98	112	41	52	7.0	3.8
28	4.6	24	28	84	160	*146	*91	85	22	39	7.0	4.0
29	5.7	37	632	80	---	131	84	254	18	51	6.4	4.6
30	6.0	17	182	76	---	117	78	160	15	98	13	4.9
31	6.0	---	89	60	---	110	---	103	---	60	22	---
Total	116.6	408.7	1,399.7	4,405	12,023	6,842	13,218	3,043	1,123	1,372	542.2	203.4
Mean	3.76	13.6	45.2	142	429	221	441	98.2	37.4	44.3	17.5	6.78
Cfsm	0.035	0.126	0.419	1.31	3.97	2.05	4.08	0.909	0.346	0.410	0.162	0.063
In.	0.04	0.14	0.48	1.52	4.14	2.56	4.55	1.05	0.39	0.47	0.19	0.07

Calendar year 1954: Max 3,570 Min 1.8 Mean 83.6 Cfsm 0.774 In. 10.50
Water year 1954-55: Max 4,590 Min 2.9 Mean 122 Cfsm 1.13 In. 15.40

Peak discharge (base, 3,500 cfs).--Feb. 6 (9 a.m.) 7,660 cfs (13.71 ft); Apr. 13 (2:30 p.m.) 3,820 cfs (8.50 ft).

* Discharge measurement made on this day.

North River near Tuscaloosa, Ala.

Location.--Lat 33°21'10", long 87°33'25", in NW $\frac{1}{4}$ sec. 35, T. 19 S., R. 10 W., on downstream side of pier near center of bridge on State Highway 69, 1000 ft upstream from Tierce Creek and 10 miles north of Tuscaloosa.

Drainage area.--366 sq mi (revised).

Records available.--November 1951 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 160 ft (by barometer).

Extremes.--Maximum discharge during year, 11,300 cfs Feb. 7 (gage height, 18.43 ft); minimum, 11 cfs Oct. 1, Sept. 28.
1951-55: Maximum discharge, that of Feb. 7, 1955; minimum, 8.4 cfs July 29, 1952.

Remarks.--Records good except those above 9,000 cfs, and those for Nov. 16 to Dec. 28, which are fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.4	9.0	2.0	375
.6	22	2.5	620
.8	42	4.0	1,700
1.1	92	8.0	5,440
1.5	193	15.0	9,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	25	48	440	187	555	300	208	193	61	234	22
2	14	25	49	485	178	465	364	184	142	53	178	21
3	13	25	43	339	178	396	430	173	109	49	140	20
4	13	57	40	227	150	360	330	153	90	53	113	21
5	12	64	39	193	253	352	382	*137	84	219	100	18
6	13	52	35	161	6,440	373	615	130	*101	94	79	18
7	18	56	33	155	9,350	369	2,900	125	96	373	70	19
8	16	*50	38	118	2,700	300	1,920	113	84	176	61	19
9	14	*42	63	115	1,340	260	1,150	98	79	145	66	18
10	14	36	64	624	1,010	247	1,150	90	96	240	123	16
11	*13	33	48	1,010	1,920	247	3,700	84	96	*170	100	16
12	13	31	42	555	1,580	227	2,510	81	61	130	84	15
13	13	30	46	347	1,040	215	4,200	88	70	153	71	16
14	14	30	45	250	821	215	4,300	96	73	187	55	16
15	15	38	58	244	686	205	2,510	90	130	237	*43	15
16	15	164	49	515	668	199	1,540	111	150	303	42	16
17	15	153	*68	490	1,380	199	1,040	94	120	661	66	15
18	15	88	153	621	975	218	770	81	92	347	42	15
19	15	59	102	2,100	752	322	600	75	75	202	38	14
20	16	50	73	1,580	595	902	510	79	61	140	38	*14
21	18	48	61	828	788	1,860	665	88	53	281	32	14
22	18	38	56	1,080	3,000	5,280	1,150	145	55	1,440	29	13
23	19	30	50	*912	*4,780	2,900	728	212	82	1,180	26	13
24	18	29	42	615	2,420	1,420	585	315	79	590	23	13
25	18	28	38	460	1,420	1,010	455	401	82	485	22	14
26	19	27	35	360	1,040	835	343	288	75	440	21	*18
27	20	31	36	311	807	626	300	173	137	401	20	14
28	23	43	64	285	674	500	288	120	135	644	21	12
29	28	49	2,230	250	-	*415	282	450	111	465	22	15
30	30	55	1,290	221	-----	360	237	626	79	334	19	15
31	26	-----	450	199	-----	322	-----	303	-----	315	21	-----
Total	520	1,486	5,486	15,870	47,132	22,154	36,254	5,411	2,910	10,568	1,999	485
Mean	16.8	49.5	177	512	1,683	715	1,208	175	97.0	341	64.5	16.2
Cfsm	0.048	0.135	0.494	1.40	4.60	1.95	3.30	0.478	0.265	0.932	0.176	0.044
In.	0.05	0.15	0.56	1.61	4.79	2.25	3.68	0.55	0.30	1.07	0.20	0.05
Calendar year 1954: Max	8,800				Min 9.0	Mean 314	Cfsm 0.858	In. 11.64				
Water year 1954-55: Max	9,350				Min 12	Mean 412	Cfsm 1.13	In. 15.26				

Peak discharge (base, 6,200 cfs),--Feb. 7 (2:30 a.m.) 11,300 cfs (18.43 ft).

* Discharge measurement made on this day.

Black Warrior River at Tuscaloosa, Ala.

Location.--Lat 33°12'50", long 87°34'25", in SW¹/₄ sec. 15, T. 21 S., R. 10 W., near right bank on downstream side of pier of bridge on U. S. Highway 82, in Tuscaloosa, a quarter of a mile upstream from Gulf, Mobile and Ohio Railroad bridge and three-quarters of a mile upstream from Tuscaloosa lock and dam.

Drainage area.--4,828 sq mi (revised).

Records available.--January 1889 to December 1894 (gage heights only), January 1895 to December 1902, January 1903 to December 1905 (gage heights only), August 1928 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 83.35 ft above mean sea level, datum of 1929, supplementary adjustment of 1944. Prior to December 1905, staff gage a third of a mile downstream and 300 ft downstream from present Gulf, Mobile and Ohio Railroad bridge at datum 2.5 ft higher. Aug. 1, 1928, to Aug. 28, 1939, staff gage just above former lock 10, half a mile upstream at present datum. Aug. 29, 1939, to Mar. 19, 1951, water-stage recorder at site a quarter of a mile downstream, and 55 ft downstream from Gulf, Mobile and Ohio Railroad bridge, at present datum. Auxiliary water-stage recorder, at site 500 ft downstream from Tuscaloosa lock and dam at datum 1.08 ft lower; Aug. 29, 1939, to Apr. 18, 1944, auxiliary staff gage at same site and datum.

Average discharge.--35 years (1894-1902, 1928-55), 7,720 cfs.

Extremes.--Maximum discharge during year, 113,000 cfs Feb. 7 (gage height, 56.66 ft); minimum daily, 93 cfs Nov. 3.
1889-1905, 1928-55: Maximum discharge, 223,000 cfs Mar. 29, 1951; maximum gage height, 67.7 ft Apr. 18, 1900; minimum daily discharge, 37 cfs Oct. 23, 1953.
Maximum stage known, that of Apr. 18, 1900.

Remarks.--Records good above 2,000 cfs, fair between 600 and 2,000 cfs, and poor below 600 cfs. Some regulation at low flow by lock below gage and occasional regulation by reservoir at lock 17 (usable capacity, 112,000 acre-ft). Diversion through lock valves included in figures of discharge.

Revisions (water years).--WSP 662: Drainage area. WSP 1002: 1940-43.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	197	222	915	11,200	2,720	8,800	5,820	2,800	4,580	1,090	3,080	535
2	390	198	922	13,600	2,750	8,230	6,390	2,480	2,980	1,040	2,770	854
3	763	93	490	8,800	4,100	7,200	6,800	2,070	*2,000	720	2,600	402
4	513	334	368	6,280	4,620	6,350	6,590	4,780	2,070	756	1,710	230
5	204	393	252	4,730	3,510	4,990	6,750	2,590	1,540	1,990	1,510	247
6	224	1,120	281	4,270	83,400	5,840	6,440	1,790	1,500	2,040	1,210	288
7	233	767	199	2,080	106,000	6,340	18,400	1,510	2,040	2,560	1,090	622
8	153	374	219	3,720	77,100	5,980	21,500	1,450	1,480	6,490	1,010	344
9	109	247	1,650	3,650	57,200	4,920	13,600	1,420	1,860	4,880	1,190	281
10	118	205	1,680	7,040	18,400	4,900	13,600	1,340	1,950	4,530	1,570	239
11	144	226	912	14,600	18,800	4,450	33,600	993	1,540	3,650	1,090	216
12	144	259	827	9,980	20,300	3,790	28,200	966	1,430	2,630	1,040	239
13	234	178	800	6,800	13,700	3,750	40,200	956	1,470	2,770	970	445
14	143	211	780	5,320	10,600	3,700	53,700	1,030	1,190	2,910	609	929
15	199	263	769	4,660	9,380	3,660	39,200	993	1,730	3,020	588	622
16	170	1,750	786	9,090	9,980	3,620	23,100	976	1,800	3,300	565	510
17	119	1,790	1,000	10,100	16,400	3,590	16,400	1,130	1,690	5,010	442	378
18	183	1,580	1,070	9,930	12,500	3,650	12,200	1,480	1,180	3,160	4,490	281
19	163	1,000	1,400	21,500	10,600	4,570	9,680	1,780	1,090	2,460	1,390	286
20	118	778	1,410	20,700	8,800	12,800	7,670	1,460	857	2,910	966	243
21	152	331	1,350	13,900	*7,670	20,400	8,520	1,480	693	3,080	646	228
22	160	260	1,340	*14,200	20,800	71,400	11,800	1,920	946	5,050	332	200
23	129	228	1,320	15,500	46,200	71,700	8,600	6,800	1,140	5,420	283	170
24	139	205	929	10,900	37,200	48,100	6,460	5,940	1,190	5,230	1,010	467
25	122	205	922	8,800	22,300	20,700	5,550	10,600	2,140	4,490	1,170	475
26	201	223	874	6,910	16,100	15,700	5,280	7,480	3,430	7,950	786	378
27	146	290	888	5,560	12,500	11,800	4,230	3,750	3,800	5,600	582	407
28	238	1,420	820	4,930	10,300	9,090	3,570	4,260	3,080	7,170	586	378
29	206	987	19,200	4,950	-----	*7,120	2,960	6,180	2,140	6,960	441	395
30	188	925	36,300	4,480	-----	6,460	2,840	13,200	1,200	6,390	344	314
31	199	-----	18,000	3,620	-----	6,460	-----	7,020	-----	3,960	292	-----
Total	6,397	16,862	98,675	271,600	663,910	400,060	429,850	102,584	55,726	119,216	36,362	11,621
Mean	206	562	3,183	8,761	23,710	12,910	14,330	3,309	1,858	3,846	1,173	387
Cfs/m	0.043	0.116	0.659	1.81	4.91	2.67	2.97	0.685	0.585	0.797	0.243	0.080
In.	0.05	0.13	0.76	2.09	5.11	3.08	3.31	0.79	0.43	0.92	0.28	0.09
Calendar year 1954: Max	114,000	Min	54	Mean	4,810	Cfs/m	0.996	In.	13.52			
Water year 1954-55: Max	106,000	Min	93	Mean	6,063	Cfs/m	1.26	In.	17.04			

Peak discharge (base, 85,000 cfs).--Feb. 7 (6 a.m.) 113,000 (56.66 ft).

* Discharge measurement made on this day.

Fivemile Creek near Greensboro, Ala.

Location.--Lat 32°50', long 87°36', in N½ sec. 5, T. 21 N., R. 5 E., near center of channel on downstream side of bridge on State Highway 13, 8½ miles north of Greensboro and 12 miles upstream from mouth.

Drainage area.--72.2 sq mi.

Records available.--July 1954 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 160 ft (by barometer).

Extremes.--1954: Maximum discharge during period July to September, 18 cfs July 18; maximum gage height, 2.06 ft Aug. 21; minimum discharge, 0.1 cfs Sept. 16.

1954-55: Maximum discharge during water year, 1,470 cfs Apr. 14 (gage height, 7.90 ft); minimum, 1.2 cfs Sept. 20 (gage height, 0.60 ft).

Remarks.--Records good above 40 cfs, fair below 40 cfs subsequent to Dec. 29, 1954, poor below 40 cfs prior to that date, and for periods of no gage-height record.

Rating tables, July 1, 1954, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 14 to Sept. 24, 1954, Sept. 25-30, 1955)

July 1 to Dec. 28, 1954				Dec. 29, 1954, to May 25, 1955				May 26 to Sept. 30, 1955			
1.7	0.1	2.1	3.5	1.5	4.6	4.5	178	0.5	0.8	2.0	25
1.8	.4	2.2	7.6	1.7	11	5.0	250	1.0	6.3	3.5	88
1.9	.9	2.3	14	3.0	63	6.0	480	1.5	14		
2.0	1.8	2.6	40	3.5	88	7.0	890				
				4.0	126	8.0	1,550				

Note.--Same as preceding table above 3.5 ft.

Discharge, in cubic feet per second, 1954

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1	a3.0	3.0	5.6	9	a4.9	3.0	0.4	17	8.2	2.3	0.5	25	4.3	4.3	2.8
2	a3.1	2.8	4.3	10	a5.0	3.5	.8	18	1.1	*2.3	1.0	26	4.3	4.3	2.8
3	a3.8	3.9	3.3	11	a5.4	2.0	1.2	19	10	2.5	2.3	27	3.9	5.6	3.0
4	a5.0	6.0	2.8	12	a4.8	1.2	.9	20	9.5	2.8	*2.1	28	4.3	5.6	2.6
5	a4.6	6.0	3.0	13	a4.3	1.7	.7	21	8.9	4.3	1.5	29	3.9	3.2	2.5
6	a4.3	4.7	1.6	14	*4.3	1.4	.6	22	5.1	3.0	3.2	30	3.0	3.9	2.0
7	a4.2	3.2	.4	15	4.3	.8	.5	23	3.5	3.3	3.3	31	2.6	6.0	-
8	a4.2	3.3	.3	16	5.1	.9	.2	24	6.0	3.9	3.2				
Total.....													162.8	104.5	59.4
Mean.....													5.25	3.37	1.98
Cubic feet per second per square mile.....													0.073	0.047	0.027
Runoff in inches.....													0.08	0.05	0.03

Peak discharge (base, 900 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for stations on nearby streams.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.1	4.2	9.0	91	41	59	41	28	24	7.5	49	5.3
2	2.1	3.7	8.0	97	40	55	157	24	20	6.3	38	5.0
3	1.5	3.2	7.5	97	39	49	290	20	17	6.4	25	4.6
4	1.6	4.5	7.0	63	37	45	330	18	16	8.4	17	4.0
5	1.8	7.2	7.0	49	46	43	198	15	14	22	14	4.0
6	2.5	6.4	7.0	44	328	45	205	*13	14	29	13	5.5
7	3.5	5.4	7.0	39	790	55	425	12	13	35	10	4.8
8	3.9	4.7	7.2	37	*525	61	600	10	12	58	8.5	4.6
9	5.2	4.4	14	50	340	50	450	8.3	10	35	11	3.9
10	2.5	4.3	25	55	220	42	400	7.3	10	31	15	3.3
11	2.6	4.2	27	112	172	39	915	6.4	12	32	14	3.1
12	*2.1	4.2	31	172	156	38	790	6.1	14	58	11	*2.7
13	2.6	4.1	*40	82	131	35	*958	10	11	121	8.7	2.5
14	3.9	4.4	40	53	100	32	1,200	16	9.6	70	7.3	2.8
15	4.7	6.0	31	47	94	30	660	17	16	66	*5.9	3.0
16	3.9	12	25	73	73	29	450	14	45	56	5.3	2.9
17	3.6	27	24	*94	126	28	350	12	47	56	5.2	2.6
18	3.4	17	40	106	172	28	270	9.6	28	116	5.0	2.4
19	3.2	9.0	48	161	126	34	212	7.6	18	54	7.1	2.1
20	3.1	7.0	33	205	80	191	161	7.9	13	23	8.7	1.7
21	3.0	5.5	22	126	*68	340	126	19	10	16	5.6	1.4
22	3.0	4.7	19	97	91	368	136	39	9.0	14	4.6	1.6
23	3.1	4.3	18	100	190	290	136	80	8.0	25	4.2	1.6
24	3.2	4.1	16	83	300	190	91	198	7.0	20	5.2	1.9
25	*3.5	4.0	13	68	202	104	68	280	8.0	19	5.5	2.1
26	3.9	4.5	11	59	100	80	51	228	13	18	5.2	*2.6
27	4.3	6.0	10	55	76	*68	42	80	31	18	4.7	2.8
28	7.6	12	36	53	66	55	*37	58	22	13	4.4	3.0
29	13	11	190	49	-	49	35	30	14	12	4.2	3.7
30	7.6	11	212	47	-	47	32	40	*9.8	68	4.2	5.0
31	5.6	-	215	44	-	43	-	*36	-	94	5.1	-
Total	115.4	213.0	1,199.7	2,495.7	14,729	2,642	9,796	1,330.2	495.4	1,207.6	331.6	96.5
Mean	3.72	7.10	38.7	80.5	169	85.2	327	42.9	16.5	39.0	10.7	3.22
Cfs/m	0.052	0.098	0.536	1.11	2.34	1.18	4.53	0.594	0.229	0.540	0.148	0.045
In.	0.06	0.11	0.62	1.29	2.44	1.36	5.05	0.68	0.26	0.62	0.17	0.05

Calendar year 1954: Max - Min - Mean - Cfs/m - In. -
Water year 1954-55: Max 1,200 Min 1.4 Mean 67.5 Cfs/m 0.935 In. 12.71

Peak discharge (base, 900 cfs).--Feb. 7 (8:30 a.m.) 940 cfs (7.11 ft); Apr. 14 (4 a.m.) 1,470 cfs (7.90 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 17-24, Nov. 1 to Dec. 12, and June 18-29; discharge estimated on basis of recorded range in stage, weather records, and records for stations on nearby streams.

Black Warrior River near Eutaw, Ala.

Location.--Lat 32°49'05", long 87°49'00", in SE $\frac{1}{4}$ sec. 6, T. 21 N., R. 3 E., on downstream side of right main channel pier of bridge on State Highway 41 between Eutaw and Wedgeworth, $\frac{1}{4}$ miles downstream from Big Creek and 4 miles southeast of Eutaw.

Drainage area.--5,797 sq mi (revised).

Records available.--May 1932 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 53.11 ft above mean sea level, adjustment of 1912. Auxiliary staff gage read once daily at lock 8, 12 miles upstream from base gage; prior to Jan. 10, 1955, auxiliary staff gages read twice daily at lock 7, 3 miles downstream from base gage.

Average discharge.--23 years, 8,858 cfs.

Extremes.--Maximum discharge during year, 51,700 cfs Feb. 9; maximum gage height, 46.9 ft Feb. 10; minimum daily discharge, 437 cfs Oct. 20, 27.

1932-55: Maximum discharge, 183,000 cfs Apr. 1, 1951; maximum gage height, 59.1 ft Apr. 1, 1951; minimum discharge, 177 cfs Oct. 9, 1935 (gage height, 18.44 ft); minimum daily, 203 cfs Oct. 9, 1935.

Remarks.--Records good above 2,500 cfs, fair between 1,000 and 2,500 cfs, and poor below 1,000 cfs. Occasional regulation by reservoir at lock 17 (usable capacity, 112,000 acre-ft).

Cooperation.--Gage-height record and 28 discharge measurements furnished by Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	446	482	1,080	20,000	3,980	13,500	7,540	4,100	8,320		4,220	(*)
2	455	525	1,080	19,000	3,300	11,100	7,500	3,870	5,520		3,300	
3	502	490	1,020	13,000	3,180	10,200	8,740	*3,410	4,000	1,400	2,650	
4	633	494	882	9,200	3,870	8,750	8,850	2,850	3,280			
5	*604	550	761	*6,860	4,100	7,600	8,850	3,760	2,740			
6	615	645	688	5,800	15,500	7,090	10,500			2,590	2,200	
7	560	1,000	657	4,880	31,400	7,610	12,700				3,000	
8	515	935	627	4,200	*45,400	7,880	21,100	1,800			4,500	
9	502	775	657	4,810	*51,500	7,220	22,400				6,000	630
10	470	663	1,260	4,810	*48,900	6,340	19,000				5,400	
11	470	610	1,660	9,640	42,800	6,120	21,600		2,100		4,800	
12	455	604	1,320	14,300	37,800	5,480	26,200				4,000	
13	467	588	1,150	10,800	30,800	4,790	32,800				*3,200	
14	474	588	1,060	7,720	25,500	4,440	36,200	1,200			2,740	
15	490	610	*990	6,710	18,700	4,220	42,300				2,630	(*)
16	470	768	990	7,000	13,700	3,870	41,300				2,650	
17	446	1,890	1,020	9,860	14,900	3,300	37,200				3,410	
18	443	1,870	1,270	10,700	18,000	3,520	31,900				5,020	
19	452	1,530	1,460	*13,400	15,200	3,980	*26,600				*3,860	
20	437	1,200	1,790	*21,000	12,700	7,880	15,800	1,900			*3,200	
21	*446	971	1,610	20,800	11,800	*15,600	*12,900				3,410	
22	449	775	1,530	17,100	12,100	23,700	12,500				3,300	
23	446	682	1,460	16,200	22,700	36,100	14,100	2,500			4,790	
24	446	610	1,380	15,800	*33,500	*43,700	11,500	6,780	2,100		5,570	550
25	452	582	1,180	12,600	35,200	44,400	9,420	9,600			5,020	
26	446	555	1,080	9,860	31,200	38,600	7,880	*12,500			4,900	
27	437	555	1,050	7,720	24,400	*31,100	7,180	9,270			6,340	
28	446	694	1,100	6,420	18,100	24,700	5,900	5,340			5,900	
29	470	1,040	3,830	5,630	-	*17,300	5,070	4,160			6,340	(*)
30	467	1,070	19,700	5,570	-----	*10,700	4,560	8,320			6,560	
31	458	-----	23,000	4,790	-----	8,050	-----	11,000	-----		5,680	(*)
Total	14,869	24,351	78,342	326,180	630,230	428,820	530,090	114,360	76,860	121,420	42,170	17,700
Mean	480	812	2,527	10,520	22,510	13,830	17,670	3,689	2,562	3,917	1,360	590
Cfsm	0.063	0.140	0.436	1.82	3.88	2.39	3.05	0.836	0.442	0.676	0.235	0.102
In.	0.10	0.16	0.50	2.09	4.04	2.75	3.40	0.73	0.49	0.78	0.27	0.11
Calendar year 1954: Max	55,100			Min	278	Mean	4,976	Cfsm	0.858	In.	11.66	
Water year 1954-55: Max	51,500			Min	437	Mean	6,590	Cfsm	1.14	In.	15.42	

* Discharge measurement made on this day.

Note.--No gage-height record June 27 to July 13; discharge estimated on basis of records for station at Tuscaloosa. Stage-discharge relation indefinite May 6-22, June 7 to July 5, Aug. 4, to Sept. 30; discharge estimated on basis of records for station at Tuscaloosa.

Tombigbee River near Coatopa, Ala.

Location.--Lat 32°26', long 88°02', in sec. 19, T. 17 N., R. 1 E., on left bank at downstream side of Moscow Memorial Bridge on U. S. Highway 80, 2 miles upstream from Sucarnoochee River, 5 miles southeast of Coatopa, 10 miles upstream from lock 3, 12 miles downstream from Demopolis lock and dam, and 13 miles southwest of Demopolis.

Drainage area.--15,500 sq mi, approximately.

Records available.--August 1928 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 29.30 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Dec. 18, 1934, chain gage, and Dec. 18, 1934, to Oct. 31, 1939, wire-weight gage, at same site and datum. Auxiliary staff gage read once daily at Demopolis lock and dam, 12 miles upstream from base gage; prior to Oct. 1, 1954, auxiliary staff gage at lock 3, 10 miles downstream from base gage.

Average discharge.--27 years, 21,810 cfs.

Extremes.--Maximum discharge during year, 86,100 cfs Apr. 18 (gage height, 41.3 ft); minimum daily, 377 cfs Sept. 12.

1928-55: Maximum discharge, 217,000 cfs Apr. 6, 1951 (gage height, 52.4 ft); minimum daily, 50 cfs Aug. 1-6, 1954 (results of closure of and storage above lock and dam at Demopolis during construction); minimum gage height, 1.64 ft Sept. 10, 1943, result of unusual lock manipulation (discharge not determined).

Remarks.--Records good above 3,000 cfs and fair below except those for period of no gage-height record, which are poor. Diurnal fluctuation and some regulation at low flow caused by operation of Demopolis lock and dam.

Cooperation.--Gage-height record and 17 discharge measurements furnished by Corps of Engineers.

Revisions (water years).--WSP 782: 1934. WSP 952: 1941.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		974	2,540	25,600	10,100	60,400	68,100	13,100	22,500	4,780	12,800	*1,450
2		1,070	2,250	31,300	9,060	54,700	69,400	11,800	20,800	4,150	10,700	2,170
3		1,200	1,940	30,400	8,520	50,300	69,300	11,200	19,200	3,790	9,060	2,630
4		974	3,260	28,800	8,520	44,900	70,200	9,870	17,600	3,440	7,710	2,240
5		1,340	3,390	25,300	9,060	37,100	68,500	11,500	14,200	3,100	7,440	2,320
6		2,040	2,850	19,100	19,500	26,900	65,400	9,600	9,600	3,560	6,640	1,670
7		1,600	1,100	15,300	48,700	20,600	58,700	6,000	6,900	4,150	5,380	1,940
8		1,920	*1,540	11,200	*62,000	17,600	58,700	6,510	8,000	5,000	4,270	1,860
9		*1,570	2,100	9,600	*69,800	16,300	58,300	6,130	5,500	8,250	4,150	1,820
10		614	2,540	9,870	*75,000	15,300	58,900	5,760	5,500	11,500	4,630	1,250
11		1,120	2,590	10,400	78,000	14,200	58,500	5,500	5,780	11,200	8,000	1,090
12		1,470	2,200	16,000	75,200	13,100	84,000	5,000	5,500	10,400	5,880	377
13		1,520	2,100	19,200	73,300	11,800	69,900	4,760	5,000	*8,790	5,380	2,350
14		1,700	2,170	17,300	67,400	11,000	78,200	4,630	4,630	7,710	4,880	919
15		2,000	3,120	14,700	54,400	10,400	83,700	4,510	6,260	7,440	4,390	1,150
16		2,100	2,460	12,800	38,900	11,000	85,500	4,880	6,380	7,440	3,670	1,030
17		2,070	4,200	13,100	32,900	9,600	85,900	4,270	6,640	9,060	3,100	1,150
18		2,070	3,950	16,000	31,900	8,250	86,100	4,390	4,510	15,900	*3,320	1,270
19		*2,620	2,640	20,000	30,900	9,060	85,500	4,510	6,380	16,300	3,440	995
20		2,900	2,000	25,100	28,000	15,300	*81,000	4,880	7,440	*15,900	3,790	1,170
21	1,140	2,980	2,560	32,200	24,300	28,000	74,300	5,130	5,000	*11,800	3,100	1,270
22	1,240	2,430	1,770	35,100	25,100	37,100	68,000	5,260	2,870	10,400	2,670	1,230
23	1,200	2,410	3,120	33,500	36,900	50,400	67,100	6,000	3,210	11,800	2,340	1,190
24	1,100	2,330	5,010	32,200	51,800	61,800	61,500	13,900	2,870	15,300	2,110	1,150
25	1,020	1,840	3,070	30,900	62,000	*69,400	54,900	26,200	3,100	13,900	2,760	1,190
26	1,100	1,820	2,410	26,700	67,800	74,500	46,800	31,400	3,790	12,300	3,100	1,150
27	1,420	1,500	2,200	21,900	66,300	*77,600	37,100	*31,700	5,380	15,400	2,240	1,290
28	1,200	1,620	3,660	17,600	65,000	*79,000	29,700	30,100	6,130	14,500	2,650	1,550
29	998	2,150	7,160	14,700	-	74,500	21,900	24,300	5,630	15,000	3,100	1,650
30	1,220	2,300	8,460	12,800	-----	*70,900	15,500	20,800	5,130	15,800	2,150	*1,530
31	1,600	-----	9,760	12,300	-----	68,400	-----	21,900	-----	14,700	*2,110	-----
Total	31,788	54,252	100,080	640,870	1,230,360	1,149,410	*1,900,6	355,490	229,410	306,740	144,980	44,031
Mean	1,025	1,808	3,228	20,672	43,940	37,080	63,350	11,470	7,647	9,895	4,676	1,468
Cfsm	0.066	0.117	0.208	1.33	2.85	2.39	4.09	0.740	0.495	0.638	0.302	0.095
In.	0.08	0.13	0.24	1.54	2.95	2.76	4.56	0.85	0.55	0.74	0.35	0.11

Calendar year 1954: Max 75,900 Min 50 Mean 10,500 Cfsm 0.677 In. 9.21
 Water year 1954-55: Max 86,100 Min 377 Mean 16,950 Cfsm 1.09 In. 14.86

* Discharge measurement made on this day.

* Expressed in thousands.

Notes.--No gage-height record Oct. 1-20; discharge estimated on basis of gage-height record for tailwater gage at Demopolis lock and dam, 12 miles upstream.

Sucarnoochee River at Livingston, Ala.

Location.--Lat 32°34', long 88°12', in SE¹ sec. 33, T. 19 N., R. 2 W., on right bank at downstream side of pier of main span of bridge on U. S. Highway 80, 500 ft upstream from Southern Railway bridge, three-quarters of a mile southwest of Livingston, and 9 miles upstream from Alamuchee Creek.

Drainage area.--606 sq mi (revised).

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 90.04 ft above mean sea level, datum of 1929, supplementary adjustment of 1944. Oct. 7 to Nov. 26, 1938, reference point and Nov. 27, 1938, to Jan. 12, 1939, wire-weight gage, at same site and datum.

Average discharge.--17 years, 771 cfs.

Extremes.--Maximum discharge during year, 4,240 cfs Apr. 14 (gage height, 20.1 ft); minimum, 53 cfs Oct. 1, 2 (gage height, 2.61 ft).
1938-55: Maximum discharge, 21,500 cfs Mar. 30, 1951 (gage height, 27.6 ft); minimum, 52 cfs Sept. 4, 5-7, 9, 10, 1954.

Remarks.--Records good.

Cooperation.--Gage-height record and 13 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 8 to Dec. 28)

Oct. 1 to Apr. 14

Apr. 15 to Sept. 30

2.6	52	11.0	1,410	2.8	70	10.0	1,220
3.5	116	15.0	2,510	4.0	178	15.0	2,500
5.0	265	20.0	4,210	6.0	438	20.0	4,200
8.0	733						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	69	104	697	183	510	319	258	234	124	1,130	96
2	53	69	100	403	178	463	319	*240	200	104	853	134
3	54	71	100	291	174	418	403	228	173	96	620	148
4	54	72	93	265	174	369	478	211	156	94	638	124
5	57	72	93	*224	203	354	418	200	148	90	517	106
6	*58	77	*96	193	2,330	333	403	189	138	94	438	96
7	54	87	93	178	*2,720	319	1,060	189	138	114	322	93
8	54	92	93	169	*2,920	326	1,710	184	148	158	246	92
9	56	92	93	160	*3,060	326	1,880	189	148	206	211	91
10	58	85	91	174	*3,260	306	2,090	178	168	222	469	87
11	57	82	93	224	3,020	264	2,510	163	148	216	485	86
12	58	80	104	478	1,430	272	2,600	153	148	178	283	88
13	60	79	108	494	661	259	3,480	148	163	148	216	86
14	64	77	108	319	510	247	4,140	148	153	*143	184	81
15	69	81	116	236	433	241	4,120	143	148	200	163	74
16	75	86	120	219	389	230	3,960	138	143	234	158	72
17	79	90	120	272	418	224	4,040	134	143	252	134	77
18	77	104	116	510	433	219	3,550	129	168	252	*124	77
19	*72	116	120	752	433	230	1,800	129	148	378	117	76
20	68	116	142	771	389	1,740	731	129	129	438	114	76
21	65	104	138	733	389	2,950	602	134	116	283	107	74
22	63	92	124	510	1,150	3,300	551	148	114	194	104	72
23	63	88	112	403	1,970	3,120	534	*168	116	537	99	70
24	63	87	108	375	2,180	2,300	501	254	184	469	96	73
25	64	87	104	312	2,180	1,410	423	750	138	378	92	70
26	63	85	100	259	1,660	810	378	*1,000	163	*336	89	70
27	65	87	100	230	790	558	329	770	134	240	89	75
28	65	90	116	208	592	463	309	423	158	374	89	*77
29	66	90	291	198	-	403	290	283	211	874	*90	74
30	*68	*96	419	193	-	375	270	240	148	895	*107	70
31	68	-----	715	193	-----	340	-----	234	-----	937	104	-----
Total	1,943	2,603	4,429	10,643	34,209	23,718	44,198	7,884	4,625	9,258	8,488	2,585
Mean	62.7	86.8	143	343	1,222	765	1,473	254	154	299	274	86.2
Cfsm	0.103	0.143	0.236	0.566	2.02	1.26	2.43	0.419	0.254	0.493	0.452	0.142
In.	0.12	0.16	0.27	0.65	2.10	1.46	2.71	0.48	0.28	0.57	0.52	0.16
Calendar year 1954: Max			3,600	Min	52	Mean	370	Cfsm	0.611	In.	8.30	
Water year 1954-55: Max			4,140	Min.	53	Mean	424	Cfsm	0.700	In.	9.48	

Peak discharge (base, 5,000 cfs).--No peak above base.

* Discharge measurement made on this day.

MOBILE RIVER BASIN

Alamuchee Creek near Cuba, Ala.

Location.--Lat 32°26', long 88°20', in NE $\frac{1}{4}$ sec. 24, T. 17 N., R. 4 W., on right bank on downstream side of bridge on U. S. Highway 80, $\frac{2}{3}$ miles northeast of Cuba and 4 miles upstream from Toomsaba Creek.

Drainage area.--63 sq mi, approximately.

Records available.--July 1954 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 161.50 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Extremes.--1954: Maximum discharge during period July to September, 9.4 cfs July 22 (gage height, 1.28 ft); minimum, 2.3 cfs part of each day Sept. 23-30 (gage height, 0.88 ft).

1954-55: Maximum discharge during water year, 1,180 cfs June 26 (gage height, 10.06 ft); minimum, 2.3 cfs Oct. 5 (gage height, 0.88 ft).

Remarks.--Records good above 30 cfs and fair below.

Rating tables, July 21, 1954, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

July 21, 1954, to Feb. 7, 1955

Feb. 8 to Sept. 30, 1955

0.8	1.5	2.0	31	0.9	3.3	5.0	233
.9	2.5	2.5	53	1.2	10	7.0	415
1.3	9.8	3.5	113	2.0	38	8.0	555
				2.5	56	9.0	790
				3.5	113		

Note.--Same as following table above 3.5 ft.

Discharge, in cubic feet per second, 1954

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1	-	4.2	3.7	9	-	3.2	3.5	17	-	2.5	3.5	25	5.8	3.2	2.4
2	-	4.4	3.9	10	-	3.2	3.5	18	-	*2.8	3.7	26	4.9	3.4	2.4
3	-	4.0	3.9	11	-	2.8	3.0	19	-	2.8	3.7	27	3.9	3.9	2.4
4	-	4.0	4.0	12	-	2.8	2.8	20	-	2.7	3.4	28	3.9	3.7	2.4
5	-	3.7	3.9	13	-	2.8	2.8	21	4.0	3.0	3.2	29	4.0	3.9	2.3
6	-	3.4	3.7	14	-	2.8	2.8	22	6.2	3.2	2.7	30	4.2	3.4	2.4
7	-	3.5	4.2	15	-	2.7	2.8	23	6.2	3.5	*2.4	31	4.2	3.5	-
8	-	3.2	3.9	16	-	2.7	2.8	24	5.8	3.5	2.4				
Total															
Mean															
Cubic feet per second per square mile															
Runoff in inches															

Peak discharge (base, 750 cfs).--No peak above base.

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	3.2	4.7	18	8.8	31	16	16	18	9.1	58	7.3
2	2.5	3.4	4.9	*18	8.6	29	22	16	18	7.6	40	5.9
3	2.5	3.4	4.9	13	8.4	27	25	15	15	7.0	48	4.8
4	2.5	3.9	4.7	10	7.8	24	21	14	13	5.8	33	4.2
5	2.5	4.2	4.6	9.0	15	23	49	13	12	8.5	106	4.0
6	2.5	3.7	4.4	8.2	*305	22	96	13	11	7.0	45	4.2
7	2.7	3.4	4.2	7.4	*301	21	43	13	12	7.3	23	4.2
8	2.7	3.2	4.4	6.9	*75	19	33	12	11	9.1	21	3.9
9	2.7	3.4	5.5	7.3	45	18	27	13	12	8.2	93	3.6
10	2.5	3.5	5.6	11	37	18	43	11	16	8.2	26	3.4
11	2.7	3.5	5.3	16	143	17	271	10	18	7.9	16	3.6
12	2.8	3.5	5.3	12	100	17	174	9.7	14	7.9	12	3.4
13	3.9	3.5	6.7	9.8	47	16	342	10	11	8.2	9.1	3.4
14	3.7	3.5	6.4	8.2	37	*17	*690	10	9.4	8.5	8.2	3.4
15	3.4	4.2	5.6	9.4	34	17	287	15	9.7	9.1	7.3	3.4
16	3.0	4.9	5.3	31	31	17	106	15	9.4	7.9	6.8	3.6
17	3.0	4.2	7.2	31	32	16	72	10	8.5	7.0	8.1	3.6
18	3.0	3.7	10	50	33	18	58	9.1	7.9	7.3	5.9	3.8
19	3.0	3.9	7.8	106	30	15	50	8.5	7.3	8.2	5.7	3.6
20	3.0	3.9	6.9	46	27	73	44	9.1	7.0	10	5.2	3.4
21	3.0	3.7	6.4	25	29	68	40	14	*7.0	37	5.0	3.4
22	3.0	3.7	6.0	29	70	45	38	19	6.6	27	4.6	3.3
23	3.0	4.0	5.6	24	146	35	35	*33	6.3	31	4.6	3.3
24	3.0	3.9	5.5	19	78	27	31	276	6.3	21	4.5	3.3
25	3.0	3.9	5.1	18	50	24	28	473	5.9	15	4.5	3.4
26	*3.0	3.7	5.1	14	40	22	24	141	224	*9.4	6.3	3.4
27	3.0	4.6	5.3	11	37	21	22	50	414	8.2	5.0	3.3
28	3.4	5.6	11	10	34	18	21	33	35	7.0	4.6	3.4
29	3.7	6.0	84	9.8	-	17	19	36	17	7.0	*4.2	3.4
30	3.5	*4.9	50	9.4	-	17	18	30	12	225	4.2	3.3
31	3.2	-	20	9.0	-	16	-	23	-	150	9.1	-
Total	92.8	118.1	318.4	606.4	1,809.6	767	2,743	1,370.4	972.3	700.4	631.9	114.2
Mean	2.99	3.94	10.3	19.6	84.6	24.7	91.4	44.2	32.4	22.6	20.4	3.81
Cfs/m	0.047	0.063	0.163	0.311	1.03	0.392	1.45	0.702	0.514	0.359	0.324	0.060
In.	0.05	0.07	0.19	0.36	1.07	0.45	1.62	0.81	0.57	0.41	0.37	0.07

Calendar year 1954: Max - Min - Mean - Cfs/m - In. -
 Water year 1954-55: Max 690 Min 2.5 Mean 28.1 Cfs/m 0.446 In. 6.04

Peak discharge (base, 750 cfs).--Apr. 14 (8 p.m.) 765 cfs (8.87 ft); June 26 (11 p.m.) 1,180 cfs (10.06 ft).

* Discharge measurement made on this day.

Kinterbish Creek near York, Ala.

Location.--Lat 32°19', long 88°11', in NE¼ sec. 33, T. 16 N., R. 2 W., near left bank on downstream side of pier of bridge on State Highway 17, half a mile downstream from small tributary, three-quarters of a mile north of Choctaw County line, 5½ miles downstream from Little Kinterbish Creek, and 14 miles southeast of York.

Drainage area.--91.4 sq mi.

Records available.--July 1954 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 120 ft (by barometer).

Extremes.--1954: Maximum discharge during period July to September, 36 cfs Sept. 8 (gage height, 1.71 ft); minimum, 1.8 cfs Aug. 15 (gage height, 0.60 ft).

1954-55: Maximum discharge during water year, 1,130 cfs Feb. 6 (gage height, 11.40 ft); minimum, 1.8 cfs Oct. 8; minimum gage height, 0.45 ft Sept. 29.

Remarks.--Records good above and fair below 20 cfs except those for periods of shifting-control, which are fair above and poor below 20 cfs.

Rating tables, July 28, 1954, to Sept. 30, 1955, except periods of shifting control (gage height, in feet, and discharge, in cubic feet per second)

July 28, 1954, to July 18, 1955

July 19 to Sept. 30, 1955

0.6	1.8	2.0	51	0.4	3.1	2.0	68
.7	3.3	2.8	100	.6	7.5	4.0	206
.9	7.6	5.0	296	1.0	21.		
1.2	16	9.0	770				

Discharge, in cubic feet per second, 1954

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1	-	8.1	5.9	9	-	3.5	7.9	17	-	4.8	4.1	25	-	6.6	3.5
2	-	8.6	6.4	10	-	3.3	4.8	18	-	4.2	6.2	26	-	7.1	3.2
3	-	5.9	5.2	11	-	3.0	4.6	19	-	5.0	7.4	27	-	6.9	2.8
4	-	5.2	4.8	12	-	2.7	4.4	20	-	3.3	6.2	28	9.2	6.4	2.7
5	-	5.0	4.6	13	-	2.6	3.5	21	-	3.0	5.2	29	8.9	6.2	2.8
6	-	4.4	4.4	14	-	2.2	3.5	22	-	3.3	4.2	30	8.6	7.1	3.2
7	-	4.1	4.2	15	-	2.0	3.2	23	-	4.1	4.1	31	8.1	7.1	-
8	-	3.7	1.8	16	-	3.3	3.0	24	-	5.9	4.1				
Total.....												- 146.6			
Mean.....												- 4.73			
Cubic feet per second per square mile.....												- 0.052			
Runoff in inches.....												- 0.06			

Peak discharge (base, 900 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--Shifting-control method used Sept. 14-30.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.7	6.9	*9.4	28	23	47	29	24	26	15	33	13
2	3.7	7.4	8.9	*32	23	44	48	22	22	13	*30	9.5
3	3.5	7.9	8.9	26	22	40	46	21	19	12	38	7.8
4	2.7	9.2	8.9	22	21	38	38	19	17	15	29	7.0
5	2.6	11	8.9	18	22	35	95	18	16	51	179	6.9
6	2.4	11	8.9	17	*657	34	104	17	15	34	70	7.0
7	2.2	9.4	8.6	16	*604	34	72	17	16	22	38	7.3
8	2.1	9.2	8.4	14	*124	32	56	16	15	18	28	6.9
9	2.2	8.9	9.4	13	80	31	46	15	15	14	54	6.1
10	2.1	8.9	11	16	65	30	61	14	24	12	43	5.6
11	2.1	8.9	11	27	141	29	336	13	25	12	25	5.3
12	1.8	9.4	10	27	104	28	173	12	19	16	19	5.3
13	2.4	10	12	18	68	28	*732	13	15	21	15	5.1
14	4.2	10	13	15	58	*27	700	13	14	23	13	5.1
15	6.2	11	11	15	54	27	214	12	15	30	12	5.3
16	7.1	12	10	40	51	27	136	12	20	21	11	5.1
17	4.8	15	11	54	62	26	100	12	16	30	9.8	5.3
18	3.7	12	15	50	58	25	83	11	14	20	9.5	5.1
19	3.3	9.9	13	120	52	40	71	9.9	12	18	9.0	5.1
20	3.2	9.7	9.7	63	48	96	64	11	11	14	8.4	5.6
21	3.0	8.9	8.4	42	45	92	60	18	*10	18	8.1	4.5
22	3.3	9.2	7.9	48	81	63	57	34	9.7	36	7.8	4.5
23	3.2	9.2	7.6	44	152	50	52	*56	9.7	176	7.3	4.3
24	4.1	9.2	7.4	34	100	42	44	440	9.7	130	9.0	4.3
25	4.1	8.6	6.9	30	71	38	40	316	9.7	52	8.1	4.5
26	*4.1	8.1	6.4	28	58	35	35	120	11	*32	7.3	4.5
27	4.4	8.6	6.9	26	52	32	33	60	191	26	7.3	4.3
28	5.2	9.9	9.4	26	50	31	31	42	60	21	8.1	4.3
29	5.9	10	77	26	-	31	29	36	29	18	7.5	4.3
30	6.9	11	69	24	-----	29	26	38	20	76	*6.9	4.3
31	7.4	-----	32	23	-----	29	-----	30	-----	46	12	-----
Total	117.4	290.4	445.9	982	2,946	1,191	3,613	1,491.9	705.8	1,040	763.1	173.2
Mean	3.79	9.68	14.4	31.7	105	38.4	120	48.1	23.5	33.5	24.6	5.77
Cfs/m	0.041	0.106	0.158	0.347	1.15	0.420	1.31	0.526	0.257	0.367	0.269	0.063
In.	0.05	0.12	0.18	0.40	1.20	0.48	1.47	0.61	0.29	0.42	0.31	0.07

Calendar year 1954: Max - Min - Mean - Cfs/m - In. -
 Water year 1954-55: Max 732 Min 1.8 Mean 37.7 Cfs/m 0.412 In. 5.60

Peak discharge (base, 900 cfs).--Feb. 6 (7:30 p.m.) 1,130 cfs (11.40 ft); Apr. 13 (1 p.m.) 1,040 cfs (10.75 ft).

* Discharge measurement made on this day.

Note.--Shifting-control method used Oct. 1 to Jan. 17, Feb. 25 to Mar. 19.

Tuckabum Creek near Butler, Ala.

Location.--Lat 32°11', long 88°10', in S½ sec. 15, T. 14 N., R. 2 W., on left bank 150 ft upstream from bridge on State Highway 17, 2½ miles upstream from Yantley Creek, 4 miles downstream from Bogueschitto Creek, and 7 miles northeast of Butler.

Drainage area.--112 sq mi.

Records available.--August 1954 to September 1955.

Gage.--Water-stage recorder.

Extremes.--1954: Maximum discharge during period August to September, 34 cfs Aug. 21 (gage height, 0.75 ft); minimum, 0.7 cfs Sept. 21-23, 30 (gage height, 0.19 ft).

1954-55: Maximum discharge during water year, 1,870 cfs Apr. 14 (gage height, 10.30 ft); minimum, 0.7 cfs Oct. 6 (gage height, 0.19 ft).

Remarks.--Records good above 10 cfs and fair below except those for period of no gage-height record, which are poor.

Rating table, Aug. 3, 1954, to Sept. 30, 1955 (gage height, in feet, and discharge, in cubic feet per second)

0.19	0.7	2.0	150
.3	3.5	3.0	260
.4	8.0	5.0	576
1.6	21	8.0	1,230
1.0	57	10.0	1,780

Discharge, in cubic feet per second, 1954

Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.	Day	Aug.	Sept.
1	as.0	2.2	9	4.4	2.2	17	3.0	1.2	25	3.0	1.2
2	as.6	2.2	10	4.4	2.2	18	*3.0	1.2	26	2.7	.9
3	9.1	2.2	11	4.0	2.2	19	3.0	1.2	27	2.7	.9
4	7.6	2.2	12	3.5	2.2	20	3.0	.9	28	2.5	.9
5	5.8	2.2	13	3.5	1.9	21	6.6	.7	29	2.5	.9
6	4.8	2.2	14	3.5	1.9	22	6.6	.7	30	2.5	.9
7	4.8	2.2	15	3.2	1.7	23	5.8	.7	31	2.5	-
8	4.8	2.2	16	3.2	*1.4	24	3.0	*.9			
Total.....										135.6	46.5
Mean.....										4.37	1.55
Cubic feet per second per square mile.....										0.039	0.014
Runoff in inches.....										0.04	0.02

Peak discharge (base, 1,000 cfs).--No peak above base.

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for nearby streams.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.7	*4.8	18	12	44	28	50	24	6.2	13	6.2
2	1.2	2.2	4.8	*17	11	41	195	26	20	5.8	12	7.6
3	.9	1.9	5.3	16	11	37	111	25	18	5.3	9.1	6.2
4	.9	4.0	4.4	14	10	34	68	23	16	5.3	15	4.8
5	.9	4.0	4.0	12	13	33	50	21	15	9.6	26	4.0
6	1.7	4.4	4.4	9.6	*537	31	45	20	14	7.1	19	3.5
7	24	4.0	3.5	8.6	*1,050	31	44	18	14	9.6	11	3.5
8	12	5.8	3.5	8.0	*180	28	44	17	13	8.0	8.0	3.2
9	4.4	5.3	4.4	7.6	98	26	40	16	15	8.6	35	3.0
10	2.7	4.4	4.4	9.1	70	25	77	15	16	8.0	39	3.0
11	2.2	3.5	4.8	9.1	61	25	469	14	16	7.1	19	3.0
12	1.7	3.5	7.1	9.1	60	25	254	13	17	8.0	12	2.7
13	1.7	3.2	9.1	11	44	25	1,150	12	15	12	9.1	2.7
14	1.7	3.2	9.1	9.6	38	*24	*1,600	12	12	14	7.1	2.7
15	1.7	4.4	9.6	9.6	36	22	422	12	12	11	5.8	2.5
16	1.7	5.8	9.6	24	34	21	218	11	11	8.0	5.3	2.2
17	1.9	7.1	10	53	45	20	160	11	11	8.0	4.4	2.2
18	1.9	10	11	57	53	20	128	12	10	8.0	4.0	2.2
19	1.9	8.0	12	125	45	47	104	11	9.6	7.1	3.5	2.2
20	1.7	6.6	12	65	38	230	88	12	9.1	5.8	3.5	2.2
21	1.7	5.8	9.6	33	35	123	79	14	*7.1	5.3	3.2	1.9
22	1.7	3.5	7.1	33	64	84	70	22	7.6	4.8	3.0	1.9
23	1.7	3.2	5.8	31	180	71	62	*50	7.1	29	3.2	1.9
24	1.7	3.0	5.8	26	128	52	55	480	7.1	30	6.6	1.9
25	1.7	2.7	5.3	20	88	44	48	222	9.1	20	5.3	1.9
26	*1.4	3.2	4.8	17	65	40	42	118	9.6	*11	3.5	2.2
27	1.9	4.0	4.8	15	54	34	37	54	13	7.6	5.3	2.2
28	2.7	4.0	5.8	14	49	29	35	36	11	7.1	4.4	2.2
29	2.7	4.4	12	14	-	28	34	30	8.0	6.2	3.2	2.2
30	2.5	4.4	12	13	-----	27	33	34	6.6	12	*3.0	2.2
31	2.2	-----	25	12	-----	26	-----	31	-----	12	3.0	-----
Total	89.9	131.2	255.8	720.3	3,109	1,347	5,720	1,422	373.9	307.5	304.5	90.1
Mean	2.90	4.37	8.25	23.2	111	43.5	191	45.9	12.5	9.92	9.82	3.00
Cfsm	0.026	0.039	0.074	0.207	0.991	0.388	1.71	0.410	0.112	0.089	0.088	0.027
In.	0.03	0.04	0.08	0.24	1.03	0.45	1.90	0.47	0.12	0.10	0.10	0.03

Calendar year 1954: Max - Min - Mean - Cfsm - In. -

Water year 1954-55: Max 1,600 Min 0.9 Mean 38.0 Cfsm 0.339 In. 4.59

Peak discharge (base, 1,000 cfs).--Feb. 7 (7:30 a.m.) 1,460 cfs (8.88 ft); Apr. 14 (8:30 a.m.)

1,870 cfs (10.30 ft).

* Discharge measurement made on this day.

Tombigbee River near Leroy, Ala.

Location.--Lat 31°34', long 88°02', in sec. 13, T. 7 N., R. 1 W., at navigation dam at lock 1, 4 miles upstream from Jackson Creek and 5 miles northwest of Leroy.

Drainage area.--19,100 sq mi, approximately.

Records available.--October 1928 to September 1955.

Gage.--Staff gages above and below dam read twice and once daily, respectively. Datum of gage is 7.28 ft below mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1954, staff gage above dam only. Since Oct. 19, 1954, auxiliary water-stage recorder at bridge on U. S. Highway 43, 8.3 miles downstream.

Average discharge.--27 years, 26,500 cfs.

Extremes.--Maximum discharge during year, 94,200 cfs Apr. 16-18 (gage height, 37.3 ft from pool gage, 36.6 ft from tailwater gage); minimum daily, 800 cfs Oct. 1-5.

1928-55: Maximum discharge, 201,000 cfs Apr. 11, 1951; maximum gage height, 46.0 ft Apr. 2, 1929; minimum daily discharge not determined.

Remarks.--Records good except those for period of indefinite stage-discharge relation, which are poor. Some regulation at low flow by locks and dams.

Cooperation.--Gage-height record and 24 discharge measurements furnished by the Corps of Engineers.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	800	1,160	2,540	14,200	12,700	63,000	73,000	30,400	25,700	5,970	16,700	*2,140
2	800	1,160	2,700	27,700	11,800	63,900	73,600	18,400	26,000	4,820	14,700	2,090
3	800	1,150	2,700	33,500	10,000	63,000	73,000	14,700	23,500	4,470	12,100	2,140
4	800	1,150	2,630	32,500	9,100	60,500	*73,600	13,200	21,100	4,320	*10,100	2,220
5	800	1,160	4,120	30,000	9,100	56,500	74,200	*11,100	18,900	3,630	9,890	2,220
6	1,160	1,160	4,620	27,600	12,200	50,100	74,200	12,300	15,700	3,170	9,070	2,180
7	1,570	1,170	3,110	22,000	30,900	42,600	73,000	10,200	11,800	4,110	8,360	2,140
8	1,540	1,190	2,030	16,700	52,100	33,700	71,500	7,360	7,720	5,350	6,340	*2,040
9	1,280	1,690	*2,020	12,700	*56,000	22,500	69,500	6,820	6,340	7,190	5,250	1,670
10	970	*2,140	2,110	10,400	60,300	19,400	68,000	6,710	6,590	10,500	*5,000	1,450
11	980	1,650	2,980	*10,400	*65,800	17,800	70,500	6,350	6,590	13,100	5,700	1,450
12	980	1,370	3,520	11,400	68,300	16,200	73,000	6,210	6,830	*12,700	6,910	1,400
13	1,000	1,470	3,070	15,700	69,000	14,700	79,800	6,000	6,590	11,800	6,900	1,380
14	1,000	1,620	2,730	18,900	*71,500	13,700	87,600	5,230	5,910	9,760	6,210	1,400
15	1,340	2,260	2,730	17,800	73,000	12,700	92,100	4,820	5,340	8,840	5,410	1,380
16	1,310	3,240	2,980	16,700	72,000	11,800	94,200	4,990	6,490	8,840	5,170	1,380
17	1,160	3,400	3,850	16,200	66,600	12,200	94,200	5,150	8,790	8,360	3,950	1,350
18	1,160	2,690	6,560	18,200	55,200	10,400	94,200	5,150	7,110	11,400	*3,080	1,350
19	*1,170	2,400	5,000	20,000	48,000	9,840	*93,500	4,990	5,830	15,000	2,980	1,350
20	1,160	2,600	3,170	24,100	42,600	12,500	93,500	5,150	7,410	16,200	3,510	1,310
21	1,160	3,820	2,220	28,100	39,400	20,000	93,500	6,850	8,330	15,200	4,040	1,310
22	1,160	4,320	2,040	32,500	35,700	26,900	93,500	8,470	*6,000	*13,200	3,720	1,310
23	1,160	3,230	2,730	36,000	35,700	35,300	92,100	10,200	3,410	11,100	3,400	1,310
24	1,160	2,540	4,210	36,800	*41,000	46,800	90,000	14,400	2,940	13,800	3,190	1,350
25	1,160	2,630	5,910	34,200	49,600	53,600	86,400	34,500	3,020	16,200	2,060	1,350
26	1,150	2,630	4,350	33,800	55,000	59,400	81,600	*45,100	3,860	15,200	2,340	1,350
27	1,160	2,540	3,410	31,100	59,900	63,400	75,200	44,200	6,050	13,700	3,360	1,380
28	1,150	2,350	4,100	27,200	62,700	67,600	63,100	41,300	6,980	14,200	2,580	1,400
29	1,160	2,480	7,160	20,600	-	70,700	50,900	36,300	7,190	15,200	2,600	1,430
30	1,160	2,480	9,760	16,700	-----	73,800	40,700	31,800	6,760	16,200	3,080	1,470
31	1,150	-----	11,700	14,200	-----	72,500	-----	26,700	-----	17,200	*2,470	-----
Total	34,490	64,850	122,660	705,900	*1,275,2	1,196,440	*2,363,2	485,050	284,780	330,730	180,150	47,640
Mean	1,113	2,162	3,957	22,770	45,540	38,600	78,770	15,650	9,493	10,670	5,811	1,588
cfsm	0.058	0.113	0.207	1.19	2.38	2.02	4.12	0.819	0.497	0.559	0.304	0.083
in.	0.07	0.13	0.24	1.37	2.48	2.33	4.60	0.94	0.55	0.64	0.35	0.09
Calendar year 1954: Max	78,100			Min 534		Mean 12,610	Cfsm 0.660	In. 8.96				
Water year 1954-55: Max	94,200			Min 800		Mean 19,430	Cfsm 1.02	In. 13.79				

* Discharge measurement made on this day.

† Expressed in thousands.

Note.--Stage-discharge relation indefinite Oct. 1 to Nov. 13, discharge estimated on basis of estimated leakage.

Chickasaw Creek near Whistler, Ala.

Location.--Lat 30°49'15", long 88°09'10", in NW¼ sec. 2, T. 3 S., R. 2 W., on downstream side of right pier of highway bridge, 2 miles upstream from Seabury Creek, 5 miles northwest of Whistler, and 8 miles northwest of Mobile.

Drainage area.--124 sq mi.

Records available.--October 1951 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 20 ft (from topographic map). Auxiliary staff gage 4 miles downstream from base gage.

Extremes.--Maximum discharge during year, 42,000 cfs Apr. 13 (gage height, 25.4 ft, from floodmarks), from rating curve extended above 8,000 cfs on basis of slope-area estimate of peak flow; minimum, 25 cfs Oct. 6 (gage height, 0.49 ft).

1951-55: Maximum discharge, that of Apr. 13, 1955; minimum, 18 cfs Sept. 3, 4, 1954 (gage height, 0.41 ft).

Remarks.--Records good except those for periods of no gage-height record, which are poor.

Cooperation.--Gage-height record and 16 discharge measurements furnished by Corps of Engineers.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 27

Apr. 28 to Sept. 30

0.5	26	13.0	2,550	1.2	62
.8	46	15.0	4,650	2.0	145
1.5	112	17.0	7,740	3.0	269
3.0	324	19.0	12,500	8.0	1,130
8.0	1,130	21.0	19,000	10.0	1,500
12.0	2,000				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*32	36	51	324	106	112	64	184	143	94	619	184
2	29	37	50	436	104	106	69	172	113	83	1,520	228
3	27	36	49	324	101	101	106	166	95	125	1,460	184
4	26	48	48	216	96	97	90	*143	85	123	788	138
5	27	*92	48	175	130	94	77	140	79	98	665	132
6	26	86	48	146	936	90	71	131	95	154	444	126
7	29	85	47	128	*1,350	85	66	124	1,020	117	352	120
8	40	55	46	110	*806	79	64	119	614	93	563	101
9	37	49	85	100	452	77	63	116	276	91	1,090	91
10	33	46	75	100	316	76	1,120	106	241	154	950	82
11	30	43	67	100	276	76	*6,910	*99	461	172	418	79
12	*28	42	67	100	230	75	*2,170	97	352	215	276	84
13	40	40	149	96	195	71	17,700	107	208	234	228	111
14	74	41	175	90	182	71	17,000	111	148	368	234	113
15	91	73	117	80	170	*69	2,200	107	*128	313	276	107
16	74	230	88	150	161	66	1,000	100	148	202	190	*102
17	51	268	101	*452	156	66	750	107	128	154	166	103
18	42	153	195	420	149	64	600	106	104	234	139	99
19	38	100	182	360	139	74	500	142	85	269	129	86
20	35	77	128	310	129	154	450	464	75	172	119	76
21	33	66	100	260	126	130	400	1,480	69	*190	106	71
22	32	60	86	220	188	104	360	820	66	344	100	66
23	31	58	78	200	238	99	330	450	60	228	93	66
24	29	56	74	200	195	89	260	270	58	215	85	95
25	28	53	70	*202	158	80	250	190	58	215	95	262
26	28	51	66	163	135	75	230	154	75	172	143	376
27	29	52	66	142	124	69	220	135	136	*461	208	184
28	34	60	*113	139	118	68	208	119	160	655	336	126
29	46	60	564	132	68	68	208	138	114	546	306	103
30	49	*54	580	120	-----	68	196	262	112	427	*196	103
31	41	-----	324	112	-----	66	-----	208	-----	368	143	-----
Total	1,189	2,191	3,917	6,105	7,466	2,621	53,772	7,065	5,506	7,296	12,439	3,796
Mean	38.4	73.0	126	197	267	84.5	1,792	228	184	235	401	127
Cfsm	0.310	0.589	1.02	1.59	2.15	0.681	14.5	1.84	1.48	1.90	3.23	1.02
In.	0.36	0.66	1.17	1.83	2.24	0.79	16.13	2.12	1.65	2.19	3.73	1.14

Calendar year 1954: Max 624 Min 19 Mean 85.7 Cfsm 0.691 In. 9.39
Water year 1954-55: Max 17,700 Min 26 Mean 311 Cfsm 2.51 In. 34.01

Peak discharge (base, 1,500 cfs).--Feb. 7 (2 a.m.) 1,540 cfs (10.22 ft); Apr. 11 (10:30 p.m.) 8,390 cfs (17.32 ft); Apr. 13 (7 p.m.) 42,000 cfs (25.4 ft); May 21 (2 p.m.) 1,640 cfs (10.65 ft); Aug. 2 (9 p.m.) 1,690 cfs (11.64 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Jan. 8-16, 18-24, Apr. 14-27, May 22-24; discharge estimated on basis of gage-height record for Shelton Beach pumping station, recorded range in stage, floodmarks, weather records, and records for nearby stations.

Leaf River near Collins, Miss.

Location.--Lat 31°41', long 89°24', in NE¼ sec. 33, T. 9 N., R. 14 W., St. Stephens meridian, on right bank at downstream side of bridge on U. S. Highway 84, 2 miles downstream from Oakahay Creek, 8 miles upstream from Rahoma Creek, and ½ miles north-east of Collins.

Drainage area.--752 sq mi.

Records available.--September 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 197.48 ft above mean sea level (Mississippi State Highway benchmark). Prior to Dec. 8, 1938, wire-weight gage at same site and datum.

Average discharge.--17 years, 1,041 cfs.

Extremes.--Maximum discharge during year, 14,200 cfs Apr. 16 (gage height, 21.49 ft); minimum, 64 cfs Oct. 12; minimum gage height, 3.92 ft Sept. 23.
1938-55: Maximum discharge, 38,100 cfs Jan. 8, 1950 (gage height, 31.14 ft); minimum, 63 cfs Sept. 14-16, 1954; minimum gage height, that of Sept. 23, 1955.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 25				May 26 to Sept. 30			
4.0	64	10.0	2,430	3.9	73		
4.5	126	13.0	4,520	4.5	153		
5.0	217	16.0	7,200	5.0	245		
6.0	496	19.0	10,700	6.0	505		
7.0	886	21.0	13,400	7.0	886		
8.0	1,340			8.0	1,340		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	77	92	635	215	734	206	219	229	107	793	143
2	70	76	91	464	206	580	403	202	201	104	945	118
3	70	75	93	346	193	512	368	193	179	103	1,290	105
4	72	87	92	271	185	448	341	181	163	104	886	105
5	72	103	92	251	282	403	292	171	153	105	659	100
6	73	108	89	204	3,580	368	244	*164	153	121	460	99
7	68	98	88	185	4,980	341	317	157	167	139	319	98
8	*67	91	89	173	5,840	319	403	149	263	202	257	95
9	67	87	94	164	7,970	300	403	146	*257	163	388	91
10	66	86	95	200	4,220	287	800	141	214	162	245	88
11	65	85	95	374	2,370	274	2,310	135	212	167	235	85
12	72	*82	104	297	1,700	261	2,550	130	221	131	233	84
13	107	82	*138	371	1,200	251	7,750	128	202	132	192	83
14	123	82	146	276	776	239	*10,100	125	190	*151	188	82
15	102	87	129	246	635	236	12,300	122	195	179	168	81
16	87	104	118	578	546	227	12,300	126	245	197	150	82
17	77	112	120	*820	512	222	4,440	169	245	396	136	82
18	74	116	141	998	464	213	2,310	161	221	355	*128	81
19	72	111	152	1,590	433	942	1,640	128	172	337	121	80
20	71	104	129	1,440	403	1,180	975	188	147	374	115	79
21	70	100	118	1,390	479	546	713	287	136	952	109	77
22	70	97	113	1,080	2,310	546	598	269	126	1,090	107	*76
23	71	93	111	776	3,190	448	512	217	124	1,250	104	78
24	71	92	108	635	3,990	371	448	395	121	879	103	108
25	72	89	106	529	*3,550	316	368	975	116	408	127	93
26	73	88	103	418	2,430	269	338	842	118	284	265	85
27	93	106	106	346	1,700	246	303	930	121	241	166	83
28	74	94	237	1,180	1,180	229	279	930	116	908	140	81
29	81	93	2,140	289	-	217	256	475	118	430	125	81
30	82	92	1,490	258	-----	*210	239	374	111	949	122	83
31	80	-----	930	234	-----	199	-----	295	-----	1,340	167	-----
Total	2,362	2,780	7,749	16,144	55,539	11,934	64,546	9,124	5,236	12,460	9,463	2,712
Mean	76.2	82.7	250	521	1,984	385	2,152	294	175	402	305	90.4
Cfsm	0.101	0.123	0.352	0.693	2.64	0.512	2.86	0.391	0.233	0.535	0.406	0.120
In.	0.12	0.14	0.58	0.80	2.75	0.59	3.19	0.45	0.26	0.62	0.47	0.13

Calendar year 1954: Max 7,220 Min 63 Mean 472 Cfsm 0.628 In. 8.52
Water year 1954-55: Max 12,300 Min 65 Mean 548 Cfsm 0.729 In. 9.90

Peak discharge (base, 8,000 cfs).--Feb. 9 (11 a.m.) 8,300 cfs (17.02 ft); Apr. 16 (2:30 a.m.) 14,200 cfs (21.49 ft)

* Discharge measurement made on this day.

Bowie Creek near Hattiesburg, Miss.

Location--Lat 31°26', long 89°26', in sec. 5, T. 5 N., R. 14 W., St. Stephens meridian, on left bank at downstream side of bridge on U. S. Highway 49, 2 miles southwest of Lux, 2 miles upstream from Okatoma Creek, and 10 miles northwest of Hattiesburg.

Drainage area--304 sq mi.

Records available--September 1938 to September 1955.

Gage--Water-stage recorder. Datum of gage is 160.04 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, wire-weight gage at same site and datum.

Average discharge--17 years, 467 cfs.

Extremes--Maximum discharge during year, 9,250 cfs Apr. 13 (gage height, 19.16 ft); minimum, 97 cfs Oct. 5 (gage height, 2.79 ft).

1938-55: Maximum discharge, 20,100 cfs Mar. 21, 1943 (gage height, 25.70 ft); minimum, 96 cfs Sept. 5-7, 1954 (gage height, 2.77 ft).

Remarks--Records good except those for periods of fragmentary or no gage-height record, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 13-15, Apr. 26 to May 20)

Oct. 1 to Feb. 7

Feb. 8 to Sept. 30

2.8	98	2.8	97	11.0	2,700
3.3	156	3.5	196	14.0	4,020
4.0	270	5.0	521	17.0	5,740
5.0	496	8.0	1,500	20.0	9,250
7.0	1,140				
10.0	2,300				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	98	107	114	471	160	213	145	157	137	113	151	f125
2	98	107	114	280	157	199	277	151	130	111	545	a120
3	98	106	114	216	155	195	472	145	126	110	378	a120
4	98	114	115	188	152	179	355	142	124	110	250	a115
5	98	120	116	170	399	174	222	*138	121	109	270	a115
6	98	126	116	159	1700	166	184	135	*122	120	344	a115
7	102	129	116	150	1940	162	168	134	126	131	322	a115
8	*107	*120	117	146	1900	156	176	131	129	179	270	a110
9	102	116	119	146	1660	151	210	129	130	151	472	a110
10	101	114	120	152	800	148	384	128	133	157	496	a110
11	100	111	122	173	f448	148	1,320	126	145	144	484	a105
12	105	110	130	200	a340	148	1,350	122	166	140	235	a105
13	144	109	150	208	a280	147	6,810	121	147	133	173	a105
14	208	108	*162	162	a250	144	*8,650	120	130	140	158	a105
15	172	110	156	156	a230	145	6,330	117	125	141	*140	a110
16	136	118	142	572	a220	147	2,580	116	122	162	f133	a115
17	117	120	134	*826	a210	142	865	117	120	189	f128	a115
18	109	129	133	996	a210	138	534	117	117	148	f122	a115
19	107	130	143	843	a200	144	390	117	116	141	f120	*f115
20	105	122	147	576	a200	298	322	204	115	162	f117	105
21	104	119	138	388	a200	558	290	372	114	163	f115	102
22	105	117	131	344	*f270	546	280	424	114	213	f111	102
23	105	116	129	355	571	401	260	280	114	270	f125	109
24	105	114	126	290	800	290	237	333	115	189	f116	122
25	105	112	124	242	752	217	215	448	114	169	f110	134
26	105	112	123	208	424	184	196	333	113	*154	f134	116
27	108	112	123	188	280	166	186	213	111	168	f131	109
28	107	114	131	190	235	158	177	163	111	148	f129	108
29	107	114	312	196	-	151	168	151	111	138	f121	105
30	108	114	590	182	-----	148	162	144	111	218	f154	103
31	109	-----	728	170	-----	*147	-----	144	-----	163	f154	-----
Total	3,471	3,470	5,235	9,543	15,143	6,308	33,915	5,672	3,709	4,794	6,708	3,360
Mean	112	116	169	308	541	205	1,330	153	124	154	216	112
Cfs/m	0.368	0.382	0.556	1.01	1.78	0.668	3.72	0.602	0.408	0.507	0.711	0.368
In.	0.42	0.42	0.64	1.17	1.85	0.77	4.15	0.69	0.45	0.59	0.82	0.41

Calendar year 1954: Max 1,140 Min 96 Mean 189 Cfs/m 0.622 In. 8.41
Water year 1954-55: Max 8,650 Min 98 Mean 278 Cfs/m 0.914 In. 12.38

Peak discharge (base, 4,000 cfs)--Apr. 13 (10:30 p.m.) 9,250 cfs (19.16 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage, weather records, and records for nearby stations.

f Fragmentary gage-height record; discharge computed from partly estimated gage heights.

Leaf River at Hattiesburg, Miss.

Location.--Lat 31°21', long 89°17', in NW¼ sec. 2, T. 4 N., R. 13 W., St. Stephens meridian, on left bank at downstream side of bridge on U. S. Highway 11, at eastern city limits of Hattiesburg, 300 ft downstream from Bowie Creek, 3,000 ft upstream from New Orleans & Northeastern Railroad bridge, and at mile 78.0 (by U. S. Weather Bureau).

Drainage area.--1,760 sq mi, approximately.

Records available.--September 1938 to September 1955. Gage-height records collected in same vicinity since 1904 are contained in reports of U. W. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 118.23 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Dec. 10, 1938, wire-weight gage at same site and datum.

Average discharge.--17 years, 2,629 cfs.

Extremes.--Maximum discharge during year, 23,200 cfs Apr. 15 (gage height, 21.33 ft); minimum, 367 cfs Oct. 3-6 (gage height, 4.27 ft).

1938-55: Maximum discharge, 71,300 cfs Mar. 22, 1943 (gage height, 28.91 ft); minimum, 348 cfs Sept. 4, 5, 1954 (gage height, 4.22 ft).

Flood in April 1900 reached a stage of about 33.6 ft, present datum, from reports of U. S. Weather Bureau.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 27 to May 20)

Oct. 1 to Apr. 15				Apr. 16 to Sept. 30			
4.2	340	12.0	7,450	4.5	438		
4.6	525	14.0	10,100	5.0	720		
5.0	765	16.0	13,000	6.0	1,460		
6.0	1,460	19.0	18,500				
8.0	3,150	22.0	24,800				

Note.--Same as preceding table above 6.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	378	418	446	2,880	830	1,980	747	912	898	457	2,270	875
2	374	413	448	2,020	798	1,540	1,100	*846	762	457	4,870	853
3	367	404	446	1,380	765	1,350	1,820	818	685	476	4,540	664
4	367	446	456	1,100	747	1,240	1,540	776	638	485	3,240	584
5	367	492	456	928	1,360	1,130	1,130	748	602	476	2,520	557
6	378	498	451	830	5,470	1,060	960	713	608	476	2,270	546
7	370	520	441	765	8,960	960	862	692	638	546	1,860	540
8	*382	492	441	723	9,790	928	1,020	657	*699	620	1,820	530
9	378	*460	456	711	10,500	895	1,160	638	785	650	3,340	520
10	378	456	470	723	10,200	895	1,500	614	804	755	2,880	500
11	378	422	470	791	6,940	862	4,960	602	832	818	1,940	465
12	382	413	525	1,130	3,740	830	6,280	584	860	*825	1,310	476
13	496	413	621	1,020	2,190	817	19,100	568	839	846	1,120	476
14	693	409	*657	960	2,140	830	*23,000	562	741	832	935	471
15	699	409	*687	862	1,740	862	23,200	540	671	958	*832	471
16	603	446	627	1,900	1,540	798	21,700	535	671	1,080	748	466
17	503	486	591	*3,150	1,460	765	16,300	552	720	1,420	685	471
18	460	520	609	2,880	1,420	759	10,500	608	748	1,310	632	476
19	432	555	615	3,740	1,380	765	4,540	853	671	1,160	590	*476
20	418	520	657	3,540	1,270	2,050	3,240	1,080	602	1,050	562	471
21	418	486	609	2,970	1,200	3,540	2,520	1,780	590	1,200	546	457
22	409	465	555	2,700	1,900	2,790	2,180	1,900	540	2,270	550	443
23	409	456	531	2,270	4,540	2,180	1,900	1,540	540	2,790	525	447
24	409	451	520	1,860	*5,840	1,620	1,700	1,900	540	2,440	379	540
25	409	441	508	1,580	6,730	1,240	1,500	1,980	530	1,940	552	626
26	409	436	503	1,310	5,180	1,020	1,310	2,140	510	1,310	535	535
27	409	432	503	1,130	3,540	928	1,160	1,780	485	988	706	500
28	441	441	537	1,020	2,610	862	1,120	1,700	510	1,120	713	471
29	432	446	1,220	1,020	-----	810	1,080	1,540	734	1,700	706	447
30	427	446	3,740	960	-----	778	995	1,200	510	1,980	620	458
31	427	-----	3,640	895	-----	*753	-----	1,050	-----	1,980	942	-----
Total	13,404	13,672	23,454	49,748	105,380	37,837	160,124	32,408	19,961	35,415	45,718	15,812
Mean	432	456	756	1,605	3,764	1,221	5,337	1,045	665	1,142	1,475	527
Cfs/m	0.245	0.259	0.430	0.912	2.14	0.694	3.03	0.594	0.378	0.649	0.838	0.299
In.	0.28	0.29	0.50	1.05	2.23	0.80	3.38	0.68	0.42	0.75	0.97	0.33

Calendar year 1954: Max 9,230 Min 348 Mean 1,188 Cfs/m 0.675 In. 9.17
Water year 1954-55: Max 23,200 Min 367 Mean 1,515 Cfs/m 0.861 In. 11.68

Peak discharge (base, 12,000 cfs).--Apr. 15 (8 a.m.) 23,200 cfs (21.33 ft).

* Discharge measurement made on this day.

PASCAGOULA RIVER BASIN

Tallahala Creek at Laurel, Miss.

Location.--Lat 31°41', long 89°07', in NE $\frac{1}{4}$ sec. 8, T. 8 N., R. 11 W., St. Stephens meridian, on right bank at downstream side of bridge on State Highway 15, half a mile upstream from Gulf, Mobile and Ohio Railroad bridge, half a mile southeast of city limits of Laurel, and 6 miles upstream from Tallahoma Creek.

Drainage area.--233 sq mi.

Records available.--September 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 201.37 ft above mean sea level (Mississippi State Highway benchmark). Prior to Dec. 14, 1938, wire-weight gage at same site and datum.

Average discharge.--17 years, 335 cfs.

Extremes.--Maximum discharge during year, 3,040 cfs Apr. 17 (gage height, 15.36 ft); minimum, 2.2 cfs Oct. 10, 11 (gage height, 1.75 ft)
1938-55: Maximum discharge, 13,700 cfs Jan. 21, 1947 (gage height, 20.29 ft); minimum, 1.8 cfs Nov. 3, 1952; minimum gage height, 1.75 ft Oct. 10, 11, 1954.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-15, 19-27, Nov. 25 to Dec. 29, July 6 to Aug. 2)

Oct. 1 to Feb. 12

Feb. 13 to Sept. 30

2.0	2.5	4.0	84	1.9	4.9	6.0	270
2.2	6.3	6.0	245	2.2	10	8.0	490
2.5	14	8.0	450	2.5	18	11.0	910
3.0	30	10.0	720	3.0	35	12.0	1,130
3.5	53	12.0	1,130	3.5	58	14.0	1,910
				4.0	90	16.0	3,980

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.0	5.7	12	344	83	178	94	48	102	12	58	17
2	4.4	5.2	12	264	76	155	164	43	71	13	328	17
3	3.7	4.6	11	161	72	142	280	39	53	12	526	18
4	3.9	12	11	113	67	125	215	36	43	13	526	13
5	3.9	8.8	11	94	102	113	155	*33	36	13	558	11
6	3.9	14	11	78	245	101	121	31	35	27	382	11
7	*4.2	16	11	66	510	90	129	28	32	27	155	11
8	3.5	13	11	56	626	82	109	26	46	18	84	10
9	3.5	11	13	50	656	75	95	25	*49	44	59	9.6
10	2.8	13	11	48	704	72	177	23	60	41	51	8.9
11	3.0	12	13	47	792	69	430	21	46	53	44	7.9
12	5.0	*9.8	17	51	930	67	634	20	40	45	76	7.8
13	7.8	8.0	*16	67	854	64	1,380	19	37	*27	71	7.9
14	8.0	7.0	24	137	582	71	*1,710	18	35	45	49	7.9
15	23	8.6	28	105	270	60	1,610	16	57	38	46	7.8
16	28	11	22	125	205	57	2,230	18	35	47	34	7.8
17	20	10	*25	*205	182	54	2,760	17	26	62	27	7.2
18	17	18	21	314	173	52	2,030	16	23	77	*23	6.6
19	15	19	23	414	155	69	1,890	17	20	37	20	6.4
20	11	17	25	450	142	207	480	33	18	29	19	6.4
21	8.8	21	22	450	137	562	220	27	17	26	16	6.2
22	6.8	18	22	486	168	658	173	42	18	41	16	*6.1
23	5.7	16	19	474	310	622	146	53	16	41	14	6.1
24	4.4	13	16	304	*490	394	125	68	13	33	13	6.1
25	4.0	10	14	245	562	270	109	109	12	41	13	5.8
26	3.9	9.3	14	177	598	191	90	300	11	31	14	5.8
27	7.1	9.6	14	153	382	146	78	418	12	39	11	5.6
28	5.8	9.1	20	109	220	117	65	502	18	30	11	5.8
29	12	9.1	49	105	-	98	58	586	19	34	11	6.4
30	11	9.8	284	94	-	*87	52	470	16	43	16	7.8
31	7.0	-	284	90	-	80	-	173	-	50	21	-
Total	253.1	348.6	1,086	5,856	9,893	5,128	17,207	3,275	1,016	1,089	3,272	282.1
Mean	8.44	11.6	35.0	189	353	165	574	106	33.9	35.1	106	8.74
Cfsm	0.036	0.060	0.150	0.811	1.52	0.708	2.46	0.455	0.145	0.151	0.455	0.038
In.	0.04	0.06	0.17	0.93	1.58	0.82	2.75	0.52	0.16	0.17	0.52	0.04

Calendar year 1954: Max 2,090 Min 2.8 Mean 137 Cfsm 0.588 In. 7.98
Water year 1954-55: Max 2,760 Min 2.8 Mean 133 Cfsm 0.571 In. 7.76

Peak discharge (base, 3,000 cfs).--Apr. 17 (1 a.m.) 3,040 cfs (15.36 ft).

* Discharge measurement made on this day.

Tallahala Creek near Runnelstown, Miss.

Location.--Lat 31°20', long 89°07', in NE¹/₄ sec. 8, T. 4 N., R. 11 W., St. Stephens meridian, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles south of Runnelstown and 9 miles upstream from mouth.

Drainage area.--612 sq mi.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 109.58 ft above mean sea level, datum of 1929, supplementary adjustment of 1941.

Average discharge.--16 years, 926 cfs.

Extremes.--Maximum discharge during year, 7,070 cfs Apr. 13 (gage height, 13.91 ft); minimum, 33 cfs Oct. 6 (gage height, 0.64 ft).
1939-55: Maximum discharge, 19,300 cfs Jan. 23, 1947 (gage height, 21.70 ft); minimum, 32 cfs Sept. 15, 16, 29, 1954 (gage height, 0.63 ft).

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

0.6	30	5.0	1,270
1.0	62	7.0	2,370
1.5	117	9.0	3,600
2.0	200	11.0	4,900
3.0	479	13.0	6,330
4.0	828		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	49	57	828	268	609	225	207	527	91	147	84
2	38	52	55	828	242	495	223	194	351	85	2,950	85
3	36	48	55	660	223	448	408	177	268	78	3,030	85
4	36	54	57	448	207	384	714	164	205	75	1,790	84
5	34	68	58	331	321	345	576	*154	168	73	1,370	83
6	*36	61	58	265	1,740	308	417	144	149	71	1,130	82
7	38	63	56	221	1,620	281	328	137	146	80	828	a80
8	34	59	56	190	1,570	252	311	130	133	90	511	a80
9	34	*62	58	173	1,680	237	372	125	*121	91	592	a75
10	34	63	61	171	1,680	218	417	118	143	126	402	a70
11	34	58	60	168	1,680	209	1,130	113	171	164	263	a65
12	39	57	69	158	1,740	198	1,570	109	166	*166	278	60
13	53	56	93	157	1,840	194	5,600	105	138	260	620	a60
14	48	54	*90	179	1,570	187	*5,740	103	130	325	292	a60
15	45	53	88	235	951	363	4,900	100	125	387	*200	a60
16	43	57	99	553	696	289	4,180	98	137	276	160	a60
17	44	58	112	643	543	207	3,600	101	218	292	147	a60
18	66	58	130	896	511	181	3,660	99	143	265	130	56
19	71	60	122	994	479	171	3,860	95	113	297	117	*55
20	61	68	101	1,060	417	222	3,540	124	101	237	107	54
21	55	68	101	*1,100	387	484	2,070	175	94	173	99	51
22	53	70	107	1,130	495	1,220	868	257	89	154	93	51
23	48	66	98	1,170	888	1,570	626	268	82	894	88	51
24	46	67	90	1,130	*994	1,420	527	789	94	576	85	88
25	45	66	85	808	1,150	994	448	432	86	273	82	122
26	43	62	79	626	1,250	643	387	375	80	181	81	82
27	42	61	78	511	1,270	479	342	576	75	168	84	65
28	44	60	81	417	951	378	300	808	76	237	88	58
29	51	60	91	342	-	311	265	951	129	187	86	56
30	48	58	123	311	-----	*270	230	1,130	93	173	83	54
31	48	-----	541	292	-----	247	-----	994	-----	154	84	-----
Total	1,384	1,796	3,009	16,795	27,363	13,814	47,834	9,352	4,561	6,699	16,017	2,076
Mean	44.6	59.9	97.1	542	977	446	1,594	302	152	216	517	69.2
Cfs/m	0.073	0.098	0.159	0.886	1.60	0.729	2.60	0.493	0.248	0.353	0.845	0.113
In.	0.08	0.11	0.18	1.02	1.66	0.84	2.91	0.57	0.28	0.41	0.97	0.13

Calendar year 1954: Max 3,590 Min 32 Mean 385 Cfs/m 0.629 In. 8.54

Water year 1954-55: Max 5,740 Min 34 Mean 413 Cfs/m 0.675 In. 9.16

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for station at Laurel.

Leaf River near McLain, Miss.

Location.--Lat 31°06'10", long 88°48'30", in SE $\frac{1}{4}$ sec. 29, T. 2 N., R. 8 W., St. Stephens meridian, on downstream side of right main pier of bridge on U. S. Highway 98 (formerly State Highway 15), $1\frac{1}{2}$ miles east of McLain, 2 miles downstream from Atkinson Creek, 6 miles upstream from Big Oktibee Creek, and $17\frac{1}{2}$ miles upstream from confluence with Chickasawhay River.

Drainage area.--3,510 sq mi, approximately.

Records available.--November 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 42.15 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to June 4, 1940, staff gage, and June 4 to Sept. 7, 1940, wire-weight gage, at same site and datum.

Average discharge.--16 years, 5,496 cfs.

Extremes.--Maximum discharge during year, 36,200 cfs Apr. 17 (gage height, 22.25 ft); minimum, 530 cfs Oct. 6 (gage height, 1.92 ft).

1939-55: Maximum discharge, 88,300 cfs Mar. 24, 1943 (gage height, 27.76 ft); minimum, 530 cfs Sept. 14, 15, Oct. 6, 1954; minimum gage height, 1.89 ft Sept. 14 15, 1954.

Flood in April 1900 reached a stage about 4 ft higher than that of Mar. 24, 1943, from information by local residents.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

1.9	510	8.0	5,420
2.5	790	12.0	10,800
3.0	1,070	16.0	17,000
4.0	1,680	20.0	26,000
6.0	3,320	23.0	41,200

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	572	595	640	4,540	1,750	4,650	1,490	2,030	2,270	895	2,690	1,540
2	550	595	618	4,430	1,680	3,820	1,460	1,960	1,820	840	7,600	1,370
3	550	595	618	3,520	1,580	2,960	1,610	1,820	1,520	895	14,800	1,250
4	550	640	618	2,600	1,490	2,600	2,430	*1,720	1,370	840	14,100	1,070
5	550	740	618	2,030	1,640	2,430	2,510	1,610	1,250	790	12,400	980
6	530	765	618	1,720	7,120	2,190	2,110	1,590	1,220	765	7,860	922
7	*595	740	618	1,520	13,800	2,030	1,890	1,460	*1,220	888	5,540	895
8	690	740	618	1,370	13,800	1,890	1,680	1,370	1,190	840	4,220	868
9	640	*740	618	1,310	13,800	1,820	1,750	1,310	1,130	868	3,920	840
10	595	*690	665	1,280	13,500	1,720	2,600	1,280	1,190	1,250	5,900	815
11	550	690	640	1,280	13,500	1,640	7,030	1,250	1,250	1,160	4,980	790
12	550	640	715	1,310	12,000	1,580	8,560	1,190	1,250	1,370	3,820	765
13	595	640	840	1,520	8,000	1,550	17,400	1,190	1,250	1,960	4,020	740
14	665	840	922	1,320	6,020	1,550	29,200	1,160	1,190	1,960	3,820	765
15	765	618	*922	1,460	4,650	1,550	*32,500	1,130	1,100	1,750	2,600	740
16	868	665	922	2,780	3,620	1,680	35,000	1,100	1,130	1,960	*2,030	715
17	815	665	950	5,660	3,140	1,750	36,200	1,070	1,100	1,960	1,640	715
18	715	690	1,010	*5,780	2,780	1,680	34,000	1,130	1,280	2,190	1,430	690
19	665	715	980	6,510	2,690	1,610	30,000	1,160	1,190	2,110	1,310	690
20	640	740	950	8,510	2,600	1,550	23,600	2,060	1,070	1,820	1,220	*690
21	618	740	950	5,900	2,430	2,350	15,700	2,870	980	*1,820	1,130	690
22	595	715	922	5,200	2,690	4,220	8,700	3,050	895	1,820	1,070	665
23	572	690	868	4,670	*4,980	4,430	5,310	3,140	895	2,960	1,010	865
24	572	665	815	4,430	7,300	4,220	4,220	3,140	895	3,920	950	790
25	572	640	790	3,920	8,280	3,620	3,620	4,020	868	3,230	980	895
26	572	640	765	3,230	8,840	2,870	3,140	3,620	840	2,510	1,070	950
27	550	640	765	2,690	8,000	2,350	2,780	3,320	840	2,030	1,040	840
28	572	640	815	2,430	6,020	2,030	2,600	2,960	815	1,820	1,190	765
29	618	840	1,070	2,190	-	1,820	2,350	2,960	790	1,960	1,280	715
30	618	618	1,160	2,030	-----	1,680	2,190	2,870	1,010	2,510	1,220	690
31	595	---	3,230	1,690	-----	*1,580	-----	2,600	-----	2,600	1,100	-----
Total	19,104	20,171	27,250	97,430	177,700	73,220	323,630	63,130	34,818	54,271	117,940	25,315
Mean	616	672	879	3,143	6,346	2,362	10,790	2,036	1,161	1,751	3,805	844
Cfsm	0.175	0.191	0.250	0.895	1.81	0.673	3.07	0.580	0.331	0.499	1.08	0.240
In.	0.20	0.21	0.29	1.03	1.88	0.78	3.43	0.87	0.37	0.58	1.25	0.27
Calendar year 1954: Max	20,400				Min 530	Mean	2,463	cfsm	0.702	In.	9.52	
Water year 1954-55: Max	36,200				Min 530	Mean	2,833	cfsm	0.807	In.	10.96	

* Discharge measurement made on this day.

Chunky Creek near Chunky, Miss.

Location.--Lat 32°20', long 88°54', in SW $\frac{1}{4}$ sec. 30, T. 6 N., R. 14 E., Choctaw meridian, on right bank at downstream side of bridge on U. S. Highway 80, 2,500 ft upstream from Illinois Central Railroad bridge, 1 $\frac{1}{4}$ miles east of Chunky, 3 $\frac{1}{4}$ miles upstream from Tallahatta Creek, and 5 $\frac{1}{2}$ miles downstream from Concobona Creek.

Drainage area.--368 sq mi.

Records available.--August 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 269.00 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Mar. 24, 1939, wire-weight gage at same site and datum.

Average discharge.--17 years, 468 cfs.

Extremes.--Maximum discharge during year, 6,240 cfs Apr. 15 (gage height, 14.27 ft); minimum, 1.7 cfs Oct. 1 (gage height, 2.10 ft).
1938-55: Maximum discharge, 30,700 cfs Jan. 7, 1950 (gage height, 25.08 ft); minimum, 1.6 cfs Sept. 28-30, 1954 (gage height, 2.09 ft).

Remarks.--Records good except those for periods of no gage-height record, which are poor.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

2.1	1.7	3.5	173
2.2	3.2	4.0	314
2.3	6.3	5.0	675
2.5	16	7.0	1,630
2.7	30	10.0	3,370
2.9	52	12.0	4,680
3.2	101	14.0	6,010

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	7.6	28	311	110	305	110	86	56	66	490	136
2	2.8	7.2	28	230	108	275	181	*80	48	42	261	80
3	3.0	7.2	a25	189	103	244	270	76	44	51	414	52
4	2.7	11	a25	142	101	219	222	68	40	29	410	40
5	2.7	17	a25	116	155	203	428	63	39	179	188	33
6	2.7	23	a25	101	1,910	192	635	62	40	119	116	28
7	2.1	21	a25	92	*2,780	184	518	60	88	50	86	26
8	2.1	17	a25	82	3,880	181	445	68	168	119	69	24
9	3.7	18	a40	77	3,190	168	394	65	90	121	255	21
10	3.0	16	a30	105	1,020	152	488	58	*190	112	258	19
11	3.2	14	a30	556	635	150	1,410	52	222	63	105	17
12	4.5	16	a45	452	400	145	1,690	50	140	62	74	16
13	12	17	a60	249	361	137	2,780	48	82	*154	60	15
14	*17	12	52	160	299	130	4,400	46	62	119	50	14
15	17	13	48	135	275	125	5,450	46	51	123	40	15
16	24	*30	45	396	255	123	3,070	73	44	108	*36	14
17	17	79	41	400	255	121	888	66	40	181	32	12
18	12	69	a45	424	258	119	400	55	37	205	29	13
19	10	56	a70	932	249	121	380	47	33	163	28	12
20	8.1	36	a50	932	222	208	314	52	30	157	24	*12
21	6.3	30	*46	445	520	330	278	158	28	340	21	11
22	5.6	28	40	377	1,520	339	264	170	38	211	21	11
23	5.2	24	37	384	1,910	330	247	108	41	593	21	12
24	4.9	22	33	*281	1,740	258	214	407	28	376	140	14
25	4.9	21	30	216	998	195	173	456	24	150	318	12
26	5.2	19	30	176	400	163	145	287	24	89	84	14
27	5.9	20	31	152	390	140	123	147	43	68	45	13
28	5.9	24	61	142	342	128	112	86	110	638	35	12
29	6.3	30	672	137	-	*116	103	68	55	801	30	12
30	6.3	27	1,110	125	-----	119	95	76	140	932	28	16
31	8.1	-----	758	116	-----	112	-----	69	-----	932	182	-----
Total	216.0	734.0	3,610	8,632	24,386	5,732	26,227	3,253	2,075	7,272	3,950	726
Mean	6.97	24.5	118	278	871	185	874	105	69.2	235	127	24.2
Cfsm	0.019	0.067	0.315	0.755	2.37	0.503	2.37	0.285	0.186	0.639	0.345	0.066
In.	0.02	0.07	0.36	0.87	2.46	0.58	2.65	0.33	0.21	0.73	0.40	0.07

Calendar year 1954: Max 2,950 Min 1.6 Mean 178 Cfsm 0.484 In. 6.56
Water year 1954-55: Max 5,450 Min 1.8 Mean 238 Cfsm 0.647 In. 8.75

Peak discharge (base, 5,000 cfs).--Apr. 15 (2 a.m.) 6,240 cfs (14.27 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for nearby stations.

Sowashee Creek at Meridian, Miss.

Location.--Lat 32°22'25", long 88°40'40", in SE $\frac{1}{4}$ sec. 8, T. 6 N., R. 16 E., Choctaw meridian, near right bank on downstream side of bridge on U. S. Highways 11 and 80 at eastern city limits of Meridian, 0.2 mile downstream from Southern Railway System bridge and 9 miles upstream from mouth.

Drainage area.--51.9 sq mi.

Records available.--October 1950 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 308.95 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Dec. 19, 1950, wire-weight gage at same site and datum.

Average discharge.--5 years, 39.0 cfs.

Extremes.--Maximum discharge during year, 1,370 cfs Apr. 13 (gage height, 6.90 ft); minimum, 0.2 cfs Oct. 4.

1950-55: Maximum discharge, 8,030 cfs Mar. 28, 1951 (gage height, 20.09 ft); minimum, that of Oct. 4, 1954.

Maximum stage known since at least 1900, 26.5 ft in February 1936, at site 500 ft upstream at present datum, from information by Southern Railway System.

Flood of Mar. 21, 1949, reached a stage of 23.6 ft at site 500 ft upstream at present datum, from information by Southern Railway System.

Remarks.--Records poor except those above 400 cfs, which are fair.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.6	0.8	16	10	31	15	g10	7.7	1.6	25	4.9
2	.3	.5	.8	15	10	27	26	g9.3	6.3	1.4	17	2.9
3	.3	.6	.8	12	9.7	25	21	*8.3	5.4	1.4	17	2.1
4	.3	1.1	.8	10	9.1	24	18	7.1	4.7	1.3	11	1.7
5	.3	1.3	1.0	10	21	23	109	6.3	4.3	1.3	13	1.6
6	.3	.8	.9	9.7	*469	21	38	6.1	3.9	5.7	11	1.6
7	.4	.7	.8	9.4	*183	22	27	6.6	4.9	5.1	6.6	1.6
8	.3	.7	.8	8.6	62	20	21	5.6	4.1	3.5	22	1.3
9	.3	.7	.8	8.8	47	19	19	4.7	4.6	2.1	15	1.1
10	.3	.8	.8	14	42	18	76	4.3	*29	1.8	6.8	1.0
11	.3	.6	1.0	18	75	18	192	3.9	18	1.8	4.9	1.0
12	.6	.6	1.1	12	41	17	67	3.5	8.0	2.6	3.7	1.0
13	1.2	.7	1.7	10	34	16	994	4.1	5.4	*4.3	5.4	.9
14	*1.1	.7	.9	g10	33	15	435	3.7	4.7	6.8	2.6	.8
15	.8	2.3	.8	g9.7	31	15	152	4.5	3.7	4.3	2.3	.9
16	.6	4.9	.8	g36	30	14	104	5.4	3.7	2.6	2.1	1.0
17	.6	*1.6	6.1	g22	34	14	79	3.5	3.4	2.6	2.0	.9
18	.6	1.4	3.0	g22	29	14	60	2.9	2.9	2.8	*1.8	.9
19	.6	.8	1.9	g55	27	19	49	2.6	2.3	2.1	1.6	.9
20	.6	1.0	1.7	g21	26	136	42	3.1	2.1	1.5	1.5	*.9
21	.6	.8	1.7	g17	93	63	g39	4.7	2.0	9.7	1.4	.8
22	.6	.8	*1.5	g25	224	64	g39	4.3	2.2	6.7	1.3	.8
23	.8	.8	1.4	g17	135	34	g34	12	3.9	20	2.1	.9
24	.6	.8	1.4	*15	71	28	g26	93	3.4	13	44	1.1
25	.6	.7	1.4	13	51	25	g20	110	3.1	4.9	5.1	1.0
26	.6	.8	1.4	11	42	22	g18	29	7.6	2.6	2.9	1.0
27	.5	.8	1.5	11	38	19	g16	16	19	2.0	2.5	.9
28	.6	2.4	9.8	11	34	18	g15	10	4.9	18	2.6	.9
29	.9	1.2	85	11	-	*17	g14	16	2.8	68	2.2	.9
30	.6	.8	27	10	-	16	g12	18	2.0	123	11	.9
31	.6	-	15	10	-	16	-	10	-	112	16	-
Total	17.1	32.3	174.4	500.2	1,890.8	830	2,777	428.5	180.0	436.5	261.4	38.2
Mean	0.55	1.08	5.63	16.1	67.5	26.8	92.6	13.8	6.00	14.1	8.43	1.27
Cfsm	0.011	0.021	0.108	0.310	1.30	0.516	1.78	0.266	0.116	0.272	0.162	0.024
In.	0.01	0.02	0.12	0.36	1.35	0.59	1.99	0.31	0.13	0.31	0.19	0.03

Calendar year 1954: Max 750 Min 0.3 Mean 25.0 Cfsm 0.482 In. 6.53
 Water year 1954-55: Max 994 Min 0.3 Mean 20.7 Cfsm 0.399 In. 5.41

Peak discharge (base, 1,300 cfs).--Apr. 13 (8 p.m.) 1,370 cfs (6.90 ft).

* Discharge measurement made on this day.

g Computed from twice-daily wire-weight-gage readings.

Chickasawhay River at Enterprise, Miss.

Location.--Lat 32°10', long 88°49', in NW $\frac{1}{4}$ sec. 24, T. 4 N., R. 14 E., Choctaw meridian, on right bank at downstream side of bridge on State Highway 513 in Enterprise, half a mile downstream from confluence of Chunky and Okatibbee Creeks and at mile 206.0 (by U. S. Weather Bureau).

Drainage area.--913 sq mi.

Records available.--August 1938 to September 1955. Gage-height records collected at same site since 1904 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 212.62 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Jan. 6, 1939, U. S. Weather Bureau staff gage at same site and datum.

Average discharge.--17 years, 1,194 cfs.

Extremes.--Maximum discharge during year, 9,000 cfs Apr. 15 (gage height, 19.66 ft); minimum, 20 cfs Oct. 5, 6, 10, 11 (gage height, -0.95 ft).

1938-55: Maximum discharge, 33,500 cfs Jan. 8, 1950 (gage height, 33.10 ft); minimum, 18 cfs Sept. 25-30, 1954; minimum gage height, -0.98 ft Sept. 26-30, 1954.

Maximum stage know, 37.2 ft in April 1900, from floodmark (from reports of U. S. Weather Bureau).

Remarks.--Records good.

Revisions (water years).--WSP 1334: 1953.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 6 to Dec. 28)

Oct. 1 to Feb. 9

Feb. 10 to Sept. 30

-1.0 16 1.0 290
-5 56 2.5 636
0.0 113 4.0 1,080

-0.7 42 6.0 1,760
-4 72 9.0 2,900
0.0 124 12.0 4,200
1.0 300 16.0 6,200
2.5 642 20.0 9,300
4.0 1,080

Note.--Same as following table above 4.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	31	65	836	280	807	342	300	150	179	1,830	375
2	32	32	63	516	270	722	441	*270	124	111	1,180	222
3	25	32	66	413	263	655	579	241	110	85	866	150
4	21	39	64	340	250	591	567	226	101	80	896	121
5	20	68	63	290	300	543	896	206	92	86	567	105
6	20	66	57	250	3,430	508	1,210	195	93	250	430	97
7	28	62	63	225	*5,660	486	987	211	138	206	332	89
8	28	55	62	201	5,840	474	926	188	226	181	300	83
9	21	50	64	195	5,900	463	1,080	176	199	208	807	74
10	20	45	67	259	4,380	430	1,270	159	*268	260	956	65
11	20	44	67	634	2,860	408	2,900	144	419	215	520	63
12	26	42	85	807	1,540	386	3,190	138	300	150	321	59
13	47	42	121	650	1,020	375	5,750	134	191	*191	237	55
14	*66	41	114	413	836	375	7,500	120	147	310	199	54
15	62	43	103	330	722	353	8,700	116	123	321	164	51
16	73	81	90	608	682	332	7,580	125	109	310	142	49
17	65	*120	108	836	695	321	5,150	147	97	300	125	53
18	48	121	179	896	668	310	3,660	128	88	364	*111	50
19	43	108	140	1,650	642	408	1,860	111	77	520	101	50
20	37	89	127	1,620	604	555	987	118	70	463	96	*46
21	36	80	113	1,140	836	1,050	836	172	66	532	87	45
22	35	67	*103	866	2,860	1,240	750	310	61	1,110	82	43
23	34	62	95	778	3,890	1,020	682	248	71	1,180	116	51
24	32	62	93	636	3,620	836	616	900	76	1,050	186	92
25	32	60	81	*516	2,940	629	532	866	69	520	452	66
26	29	54	75	434	1,830	508	463	682	63	321	222	52
27	31	57	78	392	1,140	441	408	419	240	230	121	50
28	36	81	180	360	926	408	375	260	441	1,350	100	54
29	41	77	1,080	340	-	*386	353	206	250	2,580	87	53
30	42	77	1,620	320	-----	364	321	199	148	2,620	189	50
31	35	-----	1,340	300	-----	342	-----	181	-----	2,120	807	-----
Total	1,109	1,886	6,626	18,031	54,881	16,726	60,911	7,803	4,607	18,201	12,629	2,467
Mean	35.8	62.9	214	582	1,960	540	2,030	252	154	587	407	82.2
Cfs/m	0.039	0.069	0.234	0.637	2.15	0.591	2.22	0.276	0.169	0.643	0.446	0.090
In.	0.05	0.08	0.27	0.73	2.24	0.68	2.48	0.32	0.19	0.74	0.51	0.10

Calendar year 1954: Max 5,720 Min 18 Mean 504 Cfs/m 0.552 In. 7.49
Water year 1954-55: Max 8,700 Min 20 Mean 564 Cfs/m 0.618 In. 8.39

Peak discharge (base, 10,000 cfs).--No peak above base.

* Discharge measurement made on this day.

Note.--Discharge Oct. 1-14, Oct. 18 to Nov. 4, Nov. 10-15, June 19-26, June 29 to July 2, July 7-12, Sept. 10-23, 26-30, computed from once-daily wire-weight-gage readings.

Chickasawhay River at Leakesville, Miss.

Location--Lat 31°08', long 88°33', in SW¹/₄ sec. 12, T. 2 N., R. 6 W., St. Stephens meridian, on left bank at downstream side of bridge on State Highway 63, half a mile south-east of Leakesville, 2 miles upstream from Foulk ditch, and 25 miles upstream from confluence with Leaf River.

Drainage area--2,680 sq mi, approximately.

Records available--September 1938 to September 1955.

Gage--Water-stage recorder. Datum of gage is 51.13 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, wire-weight gage at same site and datum.

Average discharge--17 years, 3,774 cfs.

Extremes--Maximum discharge during year, 18,600 cfs Apr. 15 (gage height, 25.00 ft); minimum, 210 cfs Oct. 3 (gage height, 6.89 ft).

1938-55: Maximum discharge, 39,600 cfs Apr. 29, 1944 (gage height, 30.13 ft); minimum, 210 cfs Oct. 24-26, 1952, Sept. 29, 30, Oct. 3, 1954; minimum gage height, 6.89 ft Oct. 3, 1954.

Maximum stage known, 34.12 ft Apr. 12, 1938; a discharge of 65,600 cfs was measured by Corps of Engineers on preceding day (gage height, 33.36 ft).

Remarks--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 29 to Jan. 1, Apr. 23 to May 26, May 31 to June 20)

Oct. 1 to Jan. 1

Jan. 2 to Sept. 30

6.9	210	9.0	727	7.3	280	14.0	3,800
7.5	311	10.0	1,110	8.0	452	18.0	7,500
8.0	430	13.0	2,770	9.0	779	22.0	13,000
				11.0	1,740	25.0	18,600

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	216	261	322	2,180	1,210	3,720	1,180	1,400	1,620	509	3,030	539
2	210	252	322	3,030	1,140	2,740	1,210	1,300	1,300	584	4,440	494
3	210	244	333	2,680	1,090	2,360	1,300	*1,180	1,090	524	5,940	702
4	216	270	333	2,040	1,020	2,170	1,880	1,110	961	468	5,110	818
5	216	311	333	1,580	1,050	1,980	1,880	1,050	858	468	4,120	868
6	216	311	322	1,300	2,150	1,860	1,800	961	779	509	2,950	569
7	261	344	311	1,110	5,740	1,680	1,620	920	*740	509	2,360	494
8	280	344	311	982	7,280	1,560	1,800	878	666	509	1,800	452
9	322	333	311	699	7,390	1,450	2,110	838	632	524	1,500	425
10	290	*322	322	1,070	7,070	1,400	2,950	818	632	569	1,400	399
11	252	311	333	1,070	6,970	1,350	7,070	779	702	600	1,300	373
12	236	311	368	982	6,970	1,300	6,970	740	818	600	1,350	360
13	252	300	418	920	6,860	1,250	11,800	721	818	721	1,500	348
14	261	290	430	1,020	5,940	1,210	18,000	702	838	858	1,250	336
15	252	290	*443	1,250	4,040	1,180	*18,400	702	798	779	1,000	324
16	252	300	443	2,040	2,950	1,160	17,400	702	702	702	*838	312
17	252	322	456	3,560	2,490	1,140	15,800	666	632	818	740	301
18	252	356	524	3,180	2,300	1,090	14,000	632	584	940	849	301
19	261	360	538	*3,330	2,170	1,070	12,500	649	539	982	600	290
20	252	392	552	3,640	2,110	1,090	11,700	913	509	1,110	554	*290
21	252	392	552	3,480	1,980	1,350	11,300	1,300	480	*961	509	280
22	244	405	538	3,480	2,040	2,420	9,000	1,160	466	1,140	494	280
23	244	392	510	3,530	*2,740	2,740	4,890	1,110	436	1,400	466	280
24	236	368	463	2,950	4,280	2,880	3,180	1,620	436	1,350	438	301
25	236	356	456	2,490	5,200	2,810	2,680	2,300	412	1,980	425	280
26	229	333	430	2,170	5,460	2,420	2,360	3,250	399	1,920	452	290
27	229	333	418	1,860	5,933	2,040	2,110	3,960	366	1,680	509	312
28	236	322	531	1,680	5,030	1,740	1,860	4,120	366	1,560	569	290
29	244	322	1,820	1,620	-	1,500	1,680	3,180	366	1,740	649	290
30	252	322	1,480	1,400	-	*1,350	1,500	2,490	452	1,680	569	280
31	261	-	1,050	1,300	-	1,250	-	2,040	-	2,230	509	-
Total	7,622	9,789	15,973	63,603	110,130	55,280	191,490	44,191	20,461	30,920	48,020	11,676
Mean	246	326	515	2,052	3,933	1,783	6,383	1,426	892	1,997	1,549	369
Cfsm	0.092	0.122	0.192	0.786	1.47	0.665	2.38	0.532	0.254	0.372	0.578	0.145
In.	0.11	0.14	0.22	0.88	1.53	0.77	2.66	0.61	0.28	0.43	0.67	0.16

Calendar year 1954: Max 13,700 Min 210 Mean 1,738 Cfsm 0.649 In. 8.81
Water year 1954-55: Max 18,400 Min 210 Mean 1,669 Cfsm 0.623 In. 8.46

* Discharge measurement made on this day.

Pascagoula River at Merrill, Miss.

Location.--Lat 30°59', long 88°44', in SW $\frac{1}{4}$ sec. 18, T. 1 S., R. 7 W., St. Stephens meridian, near right bank on downstream side of bridge on old State Highway 15, half a mile downstream from confluence of Leaf and Chickasawhay Rivers, half a mile west of Merrill, and at mile 88.0 (by U. S. Weather Bureau).

Drainage area.--6,600 sq mi, approximately.

Records available.--December 1930 to September 1955. Gage-height records collected in same vicinity since 1904 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 26.25 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Dec. 6, 1934, staff gage at same site and datum.

Average discharge.--25 years, 9,634 cfs.

Extremes.--Maximum discharge during year, 52,900 cfs Apr. 15 (gage height, 23.16 ft); minimum, 805 cfs Oct. 5, 6; minimum gage height, 2.33 ft Oct. 6.
1930-55: Maximum discharge, 154,000 cfs Apr. 13, 1938 (gage height, 29.71 ft); minimum, 696 cfs Nov. 3, 1936; minimum gage height, that of Oct. 6, 1954.
Maximum stage known, 32.5 ft in April 1900 (from information by U. S. Weather Bureau). Flood of July 9, 1916, reached a stage of 31 ft, present datum (from reports of U. S. Weather Bureau).

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

2.3	780	12.0	12,500
3.0	1,200	16.0	20,200
4.0	2,010	20.0	32,000
6.0	4,160	22.0	42,600
9.0	8,000	24.0	63,200

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	830	940	1,030	7,090	3,440	10,300	3,000	4,280	4,760	1,500	5,920	2,100
2	830	910	1,030	8,780	3,330	8,000	3,110	4,040	3,920	1,500	10,800	2,390
3	830	880	1,030	7,870	3,110	6,440	3,110	*3,680	3,110	1,500	19,900	2,140
4	830	940	1,030	6,180	2,890	5,660	4,040	3,440	2,790	1,540	22,500	2,140
5	805	1,060	1,030	4,760	3,000	5,140	4,880	3,220	2,490	1,580	21,100	2,010
6	805	1,200	1,030	3,920	7,670	4,760	4,520	3,000	2,290	1,500	16,600	1,830
7	*855	1,200	1,000	3,320	17,400	4,400	4,040	2,790	*2,250	1,500	10,900	al,700
8	970	1,160	1,000	2,690	20,200	4,040	3,650	2,590	2,290	1,540	8,130	al,600
9	1,030	1,160	1,000	2,580	21,100	3,800	4,040	2,440	2,100	1,500	7,220	al,500
10	1,030	*1,130	1,030	2,690	21,100	3,560	6,180	2,340	2,060	1,920	8,000	al,400
11	970	1,100	1,060	3,000	20,600	3,440	14,600	2,290	2,100	2,100	7,870	al,300
12	910	1,060	1,100	2,790	19,900	3,330	17,200	2,190	2,190	2,190	6,310	al,300
13	880	1,030	1,270	2,690	17,200	3,220	26,500	2,190	2,190	3,680	5,920	al,200
14	970	1,000	1,500	2,790	14,000	3,220	45,200	2,100	2,140	4,280	6,310	al,200
15	1,060	1,000	1,500	2,790	11,400	3,110	*51,800	2,010	2,100	3,680	4,880	al,200
16	1,160	1,030	*1,460	4,160	8,520	3,110	51,800	2,010	2,010	3,600	3,800	1,200
17	1,160	1,060	1,500	9,710	6,960	3,220	51,800	1,920	1,920	3,560	*3,110	al,200
18	1,100	1,100	1,620	10,900	6,050	3,220	49,800	1,920	1,960	3,680	2,690	al,100
19	1,030	1,130	1,740	*10,900	5,660	3,000	47,100	2,010	1,960	3,600	2,340	al,100
20	1,000	1,160	1,660	11,100	5,400	3,000	42,600	3,410	1,780	3,440	2,140	1,100
21	970	1,200	1,660	10,300	5,140	3,330	37,000	6,440	1,740	*3,330	2,010	*1,100
22	940	1,200	1,620	9,440	5,140	5,530	27,400	5,270	1,700	3,440	1,880	1,100
23	910	1,200	1,580	8,910	*7,090	7,220	19,900	5,270	1,650	5,010	1,780	1,060
24	910	1,130	1,500	8,390	10,100	7,350	12,500	5,010	1,620	6,050	1,780	1,130
25	880	1,130	1,420	7,610	12,500	7,090	8,520	6,700	1,580	5,790	1,740	1,340
26	880	1,100	1,340	6,570	13,700	6,180	7,220	7,090	1,580	5,400	1,740	1,420
27	855	1,060	1,340	5,530	14,000	5,140	6,310	8,390	1,540	4,760	1,780	1,380
28	855	1,060	1,460	4,880	12,500	4,400	5,660	8,910	1,500	4,280	1,960	1,270
29	890	1,060	3,850	4,520	-	3,920	5,140	7,740	1,460	4,520	2,290	1,200
30	940	1,060	4,520	4,160	-	*3,440	4,640	6,440	1,420	5,010	2,240	1,130
31	940	-	4,440	3,800	-	3,220	-	5,530	-	5,530	1,960	-
Total	29,015	32,450	49,650	184,930	299,100	144,790	573,290	126,570	64,250	102,910	197,600	42,640
Mean	936	1,062	1,598	5,965	10,680	4,671	19,110	4,083	2,142	3,320	6,374	1,428
Cfsm	0.142	0.164	0.242	0.904	1.62	0.708	2.90	0.619	0.325	0.503	0.966	0.216
In.	0.16	0.18	0.28	1.04	1.69	0.82	3.23	0.71	0.36	0.58	1.11	0.24
Calendar year 1954: Max	31,200											
Water year 1954-55: Max	51,800											
Min	805											
Mean	4,591											
Cfsm	5,061											
In.	9.46											
Cfsm	0.767											
In.	10.40											

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Chickasawhay River at Leakesville and Leaf River near McLain.

PASCAGOULA RIVER BASIN

Escatawpa River near Wilmer, Ala.

Location.--Lat 30°52', long 88°25', in NW¼ sec. 19, T. 2 S., R. 4 W., on downstream side of center main channel pier of bridge on State Highway 42 at Alabama-Mississippi State line, a quarter of a mile upstream from Gulf, Mobile and Ohio Railroad bridge, half a mile upstream from Rocky Creek, and 4 miles northwest of Wilmer.

Drainage area.--506 sq mi.

Records available.--August 1945 to September 1955.

Gage.--Water-stage recorder. Altitude of gage is 60 ft (from topographic map).

Average discharge.--10 years, 966 cfs.

Extremes.--Maximum discharge during year, 23,900 cfs Apr. 14 (gage height, 23.25 ft); minimum, 46 cfs Oct. 3, 4 (gage height, 2.32 ft).
1945-55: Maximum discharge, 35,000 cfs Nov. 28, 1948 (gage height, 24.0 ft), from rating curve extended above 16,000 cfs; minimum, 37 cfs Sept. 2, 3, 4, 1954.

Remarks.--Records good except those for period of no gage-height record, which are fair.

Cooperation.--Gage-height record and 13 discharge measurements furnished by Corps of Engineers.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 18-22, Mar. 1 to Apr. 10, Aug. 14-31, and Sept. 2-4)

2.3	42	10.0	2,800
2.7	85	16.0	6,430
3.3	185	19.0	9,400
4.0	345	21.0	14,500
6.0	1,010	23.0	22,500

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	75	86	1,490	398	458	122	333	333	333	1,140	616
2	*49	71	84	1,760	370	398	150	307	251	216	5,000	488
3	47	68	81	1,400	345	333	199	280	197	173	7,200	345
4	47	89	79	1,160	309	285	261	254	167	205	5,030	280
5	51	*159	81	1,010	369	251	238	236	148	261	3,510	245
6	52	154	77	911	2,060	258	199	214	239	488	2,750	229
7	78	135	76	769	4,360	214	185	197	504	333	2,300	209
8	106	114	75	633	*4,840	203	171	185	345	287	2,160	189
9	98	98	87	552	3,510	195	162	171	251	216	3,050	167
10	77	89	97	473	2,450	185	3,080	156	333	273	1,720	157
11	67	82	100	504	1,900	181	8,710	148	520	849	1,080	144
12	*62	75	109	488	1,490	171	*8,900	*133	321	1,240	718	135
13	72	72	212	504	1,160	159	13,800	132	242	766	584	139
14	122	75	223	488	892	*156	*22,500	135	199	638	504	146
15	120	95	201	443	701	152	*16,200	135	*165	735	428	*144
16	108	201	171	384	552	144	11,000	130	163	600	358	148
17	87	227	150	552	488	137	8,090	125	139	536	316	148
18	76	185	220	1,490	458	133	5,550	214	120	735	285	137
19	66	154	229	1,620	413	133	2,940	504	108	874	256	128
20	62	132	207	1,670	384	280	2,020	1,880	100	769	234	122
21	59	115	181	1,720	370	283	1,580	3,100	91	*1,490	216	112
22	56	104	156	1,600	413	251	1,280	1,850	87	1,040	199	108
23	55	98	137	1,400	552	247	1,040	1,040	78	1,120	185	109
24	54	94	128	1,200	650	218	856	735	76	968	171	137
25	53	89	118	*1,040	633	195	735	803	77	633	169	214
26	52	86	112	*892	584	171	616	820	97	839	212	290
27	53	85	109	786	536	152	536	884	123	1,580	271	236
28	63	87	*180	701	488	142	473	520	112	1,280	370	189
29	86	91	552	616	-	139	428	504	347	930	*321	156
30	89	*87	600	520	-----	133	384	488	874	892	287	135
31	79	-----	584	443	-----	126	-----	398	-----	650	295	-----
Total	2,200	3,280	5,502	29,219	31,695	6,463	112,403	16,811	6,807	22,169	41,319	5,997
Mean	71.0	109	177	943	1,132	208	3,747	542	227	715	1,333	200
Cfsm	0.140	0.215	0.350	1.86	2.24	0.411	7.41	1.07	0.449	1.41	2.63	0.395
In.	0.16	0.24	0.40	2.15	2.33	0.48	8.26	1.24	0.50	1.63	3.04	0.44
Calendar year 1954: Max			3,250	Min 38		Mean 282	Cfsm 0.557	In. 7.58				
Water year 1954-55: Max			22,500	Min 47		Mean 778	Cfsm 1.54	In. 20.87				

Peak discharge (base, 5,000 cfs).--Feb. 8 (9 a.m.) 5,030 cfs (14.00 ft); Apr. 14 (11 a.m.) 23,900 cfs (23.25 ft); Aug. 3 (5 a.m.) 7,660 cfs (17.48 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of weather records and records for nearby streams.

Tuxachanie Creek near Biloxi, Miss.

Location.--Lat 30°31', long 88°55', in NW¼ sec. 20, T. 6 S., R. 9 W., St. Stephens meridian, on downstream side of right pier of bridge on State Highway 57, 2½ miles upstream from mouth, 3¼ miles downstream from Hog Branch, and 7 miles north of city limits of Biloxi.

Drainage area.--89.6 sq mi.

Records available.--October 1952 to September 1955.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year, 7,000 cfs Apr. 13 (gage height, 19.48 ft), from rating curve extended above 4,100 cfs by logarithmic plotting; minimum, 3.1 cfs Oct. 4 (gage height, 0.81 ft).
1952-55: Maximum discharge, that of Apr. 13, 1955; minimum, 1.6 cfs Sept. 4, 5, 1954 (gage height, 0.77 ft).

Remarks.--Records good except those below 5 cfs and above 5,000 cfs, which are fair.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 15 to Aug. 1, Sept. 13-24)

0.8	2.9	5.0	788
1.0	7.0	7.0	1,360
1.2	13	9.0	2,040
1.5	26	12.0	3,220
1.8	48	15.0	4,600
2.0	75	18.0	6,100
3.0	276		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	7.0	9.1	828	53	44	13	23	12	8.8	1,700	58
2	3.4	6.8	8.2	617	48	41	14	22	11	7.9	4,250	110
3	3.4	6.1	7.9	265	44	38	15	20	10	7.9	3,190	60
4	3.3	11	7.8	172	39	33	15	*19	9.4	8.5	923	42
5	3.5	18	7.3	123	780	32	15	18	9.1	9.1	501	33
6	4.5	19	7.3	90	*3,180	31	16	17	10	8.8	326	30
7	4.5	14	7.3	68	3,140	26	15	17	10	8.5	254	27
8	4.3	11	7.3	52	842	24	15	16	*9.4	7.9	232	22
9	4.2	10	7.9	44	438	22	15	15	8.8	8.2	180	19
10	5.7	8.8	8.2	40	301	21	3,060	15	9.7	14	192	17
11	8.8	*7.6	7.6	38	262	21	5,350	15	11	33	162	16
12	14	6.8	18	33	203	20	1,480	15	12	70	121	14
13	11	6.5	33	30	152	18	4,270	15	10	156	120	13
14	14	6.3	34	27	129	18	5,690	15	8.8	314	123	13
15	12	7.0	24	26	114	17	1,230	15	8.2	*304	106	14
16	8.8	11	*19	483	106	17	488	17	7.9	182	62	13
17	7.0	15	18	815	105	16	298	17	6.5	106	*64	13
18	6.3	13	28	842	97	16	201	16	8.2	351	53	13
19	5.4	12	33	815	85	22	138	15	7.6	552	41	14
20	4.9	9.7	27	*451	72	116	*103	60	7.0	209	33	14
21	4.7	8.5	22	234	63	28	89	243	6.8	125	28	*13
22	4.5	7.9	19	180	*98	24	77	148	6.5	198	25	12
23	4.3	7.3	17	180	209	20	68	62	6.3	245	22	11
24	4.3	7.3	16	276	180	19	55	37	6.1	184	20	12
25	4.3	7.0	15	226	106	17	44	26	5.8	87	19	16
26	4.3	6.8	13	144	74	16	38	22	5.8	171	22	27
27	4.5	7.9	15	106	58	15	33	19	6.1	234	56	26
28	5.4	11	209	112	49	14	30	16	7.3	170	135	21
29	8.5	11	761	118	-	*13	27	15	7.9	78	97	17
30	10	10	438	84	-----	13	24	15	9.4	140	55	15
31	8.5	-----	186	63	-----	13	-----	13	-----	284	38	-----
Total	198.0	291.3	2,030.7	7,603	11,007	785	22,926	1,018	256.6	4,262.6	13,170	725
Mean	6.32	9.71	65.5	245	333	25.3	764	32.8	8.55	138	425	24.2
Cfsm	0.071	0.108	0.731	2.73	4.39	0.282	8.53	0.366	0.095	1.54	4.74	0.270
In.	0.08	0.12	0.84	3.16	4.57	0.33	9.52	0.42	0.11	1.77	5.47	0.30

Calendar year 1954: Max 761 Min 1.8 Mean 27.9 Cfsm 0.311 In. 4.24
Water year 1954-55: Max 5,690 Min 3.3 Mean 176 Cfsm 1.96 In. 26.69

Peak discharge (base, 2,000 cfs).--Feb. 7 (12:30 a.m.) 4,100 cfs (14.02 ft); Apr. 10 (9:30 p.m.) 6,400 cfs (18.46 ft); Apr. 13 (6 p.m.) 7,000 cfs (19.48 ft); Aug. 2 (7 p.m.) 4,500 cfs (14.80 ft).
* Discharge measurement made on this day.

BILOXI RIVER BASIN

Biloxi River at Wortham, Miss.

Location.--Lat 30°33', long 89°07', in SE $\frac{1}{4}$ sec. 31, T. 5 S., R. 11 W., St. Stephens meridian, on downstream side of right main pier of bridge on U. S. Highway 49, three-quarters of a mile east of Wortham, 1 mile downstream from Illinois Central Railroad bridge, 1 mile upstream from Saucier Creek, and 4 miles north of Lyman.

Drainage area.--98.3 sq mi.

Records available.--October 1952 to September 1955.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year, 7,460 cfs Apr. 13 (gage height, 19.33 ft), from rating curve extended above 5,100 cfs by logarithmic plotting; minimum, 2.4 cfs Oct. 1-7 (gage height, 1.70 ft).
1952-55: Maximum discharge, that of Apr. 13, 1955; minimum, 1.9 cfs Sept. 2-6, 14, 15, 1954; minimum gage height, 1.70 ft Sept. 14, 15, Sept. 28 to Oct. 7, 1954.

Remarks.--Records good except those above 6,000 cfs, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 5				Feb. 6 to Sept. 30			
1.7	2.4	2.3	64	1.7	3.5	6.0	943
1.8	7.4	2.6	118	1.8	9.2	9.0	1,940
2.0	24	3.0	200	2.0	27	12.0	3,260
				2.4	84	14.0	4,280
				3.0	200	16.0	5,410
				4.0	432		

Note.--Same as following table above 3.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	7.4	11	1,250	94	89	15	31	14	6.9	989	89
2	2.4	6.4	9.7	786	86	78	23	26	12	56	4,280	35
3	2.4	6.4	8.9	370	81	71	38	24	10	28	2,280	34
4	2.4	42	8.2	223	76	64	37	*22	8.6	15	838	26
5	2.4	84	7.4	160	1,280	59	32	20	8.6	12	370	24
6	2.4	42	7.4	128	*2,790	59	25	18	10	8.1	219	23
7	5.4	26	7.4	103	*1,710	52	22	17	9.2	6.4	148	21
8	6.9	20	7.4	85	760	45	20	16	*9.2	5.2	891	18
9	5.9	15	7.4	74	370	39	20	15	8.6	6.4	1,020	15
10	4.4	13	7.4	72	265	34	3,660	15	14	63	358	14
11	37	*10	8.2	88	239	35	3,460	12	11	117	198	12
12	18	8.9	16	74	179	33	1,250	12	7.5	71	148	12
13	17	7.4	108	61	140	32	5,090	11	7.5	272	156	12
14	27	6.9	67	48	125	28	4,700	12	7.5	202	108	11
15	20	8.9	48	45	117	24	1,130	13	7.5	*192	91	10
16	13	21	*33	880	110	24	520	17	7.5	91	78	9.2
17	8.2	22	33	943	103	22	346	21	13	52	*62	8.6
18	6.9	17	118	1,000	96	22	252	24	39	193	47	8.1
19	5.4	13	79	1,020	87	20	187	58	23	154	39	8.1
20	4.4	12	53	*532	82	22	*150	236	14	108	32	8.1
21	3.9	10	39	300	76	22	134	607	11	258	27	8.1
22	3.9	8.9	32	258	*360	22	123	270	7.5	435	24	*8.1
23	3.9	8.2	26	241	494	22	103	130	7.5	334	22	9.2
24	3.4	7.4	24	286	258	22	89	66	6.4	183	20	15
25	3.4	7.4	21	217	158	21	74	54	6.4	91	17	17
26	2.9	6.9	20	162	119	19	60	39	6.4	93	18	27
27	2.9	7.4	18	138	105	16	52	29	7.5	196	38	21
28	5.4	9.7	358	140	94	15	45	22	8.1	138	54	17
29	20	14	812	152	-	*15	39	23	13	87	50	16
30	15	14	358	120	-----	15	34	17	8.1	261	35	14
31	9.7	-----	314	103	-----	15	-----	15	-----	287	82	-----
Total	268.3	483.2	2,667.4	10,061	10,454	1,056	21,730	1,912	323.6	4,019.0	12,717	551.5
Mean	8.65	16.1	86.0	325	373	34.1	724	61.7	10.8	130	410	18.4
Cfsm	0.068	0.164	0.875	3.31	3.79	0.347	7.37	0.628	0.110	1.32	4.17	0.187
In.	0.10	0.18	1.01	3.81	3.96	0.40	8.22	0.72	0.12	1.52	4.81	0.21

Calendar year 1954: Max 1,130 Min 1.9 Mean 51.9 Cfsm 0.528 In. 7.15
Water year 1954-55: Max 5,090 Min 2.4 Mean 181 Cfsm 1.84 In. 25.06

Peak discharge (base, 2000 cfs).--Feb. 6 (3:30 p.m.) 3,560 cfs (12.62 ft); Apr. 10 (4 p.m.) 6,120 cfs (17.17 ft); Apr. 13 (5 p.m.) 7,460 cfs (19.33 ft); Aug. 2 (1 p.m.) 5,580 cfs (16.32 ft); Aug. 8 (8 p.m.) 2,740 cfs (10.90 ft).

* Discharge measurement made on this day.

Pearl River at Edinburg, Miss.

Location.--Lat 32°47', long 89°20', in SW¼ sec. 13, T. 11 N., R. 9 E., Choctaw meridian, on right bank 20 ft downstream from bridge on State Highway 16 at Edinburg, 1.100 ft downstream from Hooper Mill Creek, 3 miles upstream from Rice Creek, and 11½ miles northeast of Carthage.

Drainage area.--898 sq mi.

Records available.--August 1928 to September 1955. Gage-height records collected in same vicinity since 1908 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 341.67 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to July 2, 1930, staff gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930, to July 23, 1935, staff gage, and July 24, 1935, to Sept. 20, 1938, wire-weight gage, at present site and datum.

Average discharge.--27 years, 1,035 cfs.

Extremes.--Maximum discharge during year, 8,750 cfs Apr. 16 (gage height, 23.40 ft); minimum, 1.7 cfs Oct. 5 (gage height, 1.02 ft).

1928-55: Maximum discharge, 31,400 cfs Mar. 8, 1935; maximum gage height, 26.30 ft Feb. 16, 1950; minimum, that of Oct. 5, 1954.

Maximum stage known, 29.0 ft Mar. 1, 1902, from reports of U. S. Weather Bureau.

Remarks.--Records good except those for periods of backwater from debris or beaver dams, which are fair.

Rating tables, water year 1954-55, except periods of backwater from debris or beaver dams (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 31

June 1 to Sept. 30

1.0	1.4	3.0	105	20.0	4,920	1.2	12	4.0	205
1.2	5.0	5.0	291	22.0	6,700	1.5	20	6.0	461
1.5	12	7.0	592	23.5	9,000	2.0	43	10.0	1,200
1.8	22	11.0	1,420			3.0	115	15.0	2,560
2.0	31	16.0	2,870						

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	6.4	40	972	458	*3,780	1,570	253	2,440	107	573	115
2	3.8	6.2	37	814	369	3,270	1,300	*204	2,080	85	589	69
3	3.2	6.0	33	664	291	2,740	1,120	166	1,640	63	675	50
4	2.5	10	30	575	243	2,170	*892	137	1,290	50	621	39
5	2.2	17	26	524	248	1,700	776	117	1,000	*43	541	33
6	3.0	18	23	491	1,530	1,400	872	99	*783	37	461	29
7	3.0	17	19	459	1,900	1,210	1,680	87	589	35	591	27
8	2.8	*17	428	2,200	1,010	1,990	75	419	36	405	25	
9	2.5	17	21	369	*2,560	814	2,500	65	297	54	433	22
10	2.5	17	23	674	2,440	646	3,270	58	267	54	433	20
11	2.5	20	24	814	2,140	541	4,260	53	261	47	291	18
12	2.5	22	26	776	2,320	443	4,780	76	215	45	205	17
13	11	24	*32	700	2,590	383	6,080	68	185	52	148	17
14	30	25	34	628	2,560	334	6,480	59	170	94	115	16
15	31	38	35	610	2,320	305	8,170	48	152	131	*93	15
16	25	125	33	776	2,020	269	8,750	48	139	139	75	15
17	16	*103	40	795	1,780	248	7,990	52	119	175	64	14
18	12	88	51	*932	1,570	228	6,810	43	110	255	57	14
19	8.5	70	45	1,260	1,370	340	5,530	36	105	285	49	14
20	g8.2	62	45	1,230	1,190	738	4,500	35	99	303	44	14
21	g8.0	58	*45	1,190	1,740	1,330	3,630	141	98	309	38	13
22	g7.2	55	40	1,140	3,070	2,910	2,870	517	97	405	33	12
23	g7.2	49	33	1,060	3,230	2,910	3,170	280	93	509	34	12
24	g6.4	41	30	972	3,350	3,150	1,570	534	80	509	99	13
25	5.8	37	27	892	3,390	3,530	1,210	814	77	525	47	13
26	5.8	36	25	833	3,780	4,260	912	852	64	557	31	13
27	6.0	37	24	795	4,200	4,380	700	872	66	573	27	*13
28	6.6	48	40	757	4,140	3,930	541	892	51	657	24	15
29	7.8	47	1,190	719		3,350	428	1,600	51	711	23	15
30	8.0	45	952	664	-----	2,740	528	2,380	98	840	62	14
31	6.8	---	912	558	-----	2,110	-----	2,590	-----	711	166	-----
Total	251.2	1,161.6	3,952	24,071	59,000	57,167	95,659	13,053	13,136	8,401	6,847	716
Mean	8.10	38.7	127	776	2,107	1,844	3,122	421	438	271	221	23.9
Cfsm	0.0090	0.043	0.141	0.864	2.35	2.05	3.48	0.469	0.488	0.302	0.246	0.027
In.	0.01	0.05	0.16	1.00	2.44	2.37	3.88	0.54	0.54	0.35	0.28	0.03

Calendar year 1954: Max 2,830 Min 2.2 Mean 445 Cfsm 0.496 In. 6.72

Water year 1954-55: Max 8,750 Min 2.2 Mean 771 Cfsm 0.859 In. 11.65

* Discharge measurement made on this day.

g Computed from once-daily gage readings.

Note.--Backwater from debris or beaver dam Oct. 6 to Nov. 15, Nov. 26 to Dec. 28, Mar. 31 to Apr. 9, Apr. 23 to May 30, June 13 to July 17.

Lobutchka Creek near Carthage, Miss.

Location.--Lat 32°46', long 89°28', in NE¼ sec. 34, T. 11 N., R. 8 E., Choctaw meridian, near center of span on downstream side of bridge on State Highway 16, 3 miles upstream from mouth and 5 miles northeast of Carthage.

Drainage area.--313 sq mi.

Records available.--July 1937 to September 1955.

Gage.--Wire-weight gage and crest-stage indicator; gage read twice daily. Datum of gage is 334.98 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. Prior to Oct. 1, 1943, staff gage at Scotts Crossing bridge 4½ miles upstream at datum 12.37 ft higher. Oct. 1, 1943, to June 30, 1947, staff gage at site 5 miles upstream from present site at datum 13.02 ft higher.

Average discharge.--16 years (1939-55), 384 cfs.

Extremes.--Maximum discharge during year, 8,320 cfs Apr. 14 (gage height, 16.43 ft); minimum, 7.1 cfs Oct. 4-6 (gage height, 0.08 ft).
1937-55: Maximum discharge, 19,100 cfs Mar. 29, 1951 (gage height, 18.00 ft); minimum observed, 5.3 cfs Aug. 24, 1943 (gage height, 1.47 ft, site and datum then in use).

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 3-29)

0.0	4.9	11.0	1,320
1.0	39	13.0	2,070
2.0	89	14.0	2,760
3.0	162	15.0	3,980
5.0	355	15.5	5,080
8.0	746	16.1	7,060

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.4	14	52	378	123	*912	214	95	269	39	123	47
2	7.4	13	50	292	116	676	214	89	146	32	130	50
3	7.4	13	50	252	109	366	272	77	102	28	322	39
4	7.1	21	47	162	102	262	*355	67	77	28	489	28
5	7.1	67	43	130	109	223	312	62	67	206	426	23
6	9.0	50	37	109	551	187	606	57	*369	*74	202	21
7	14	37	34	95	1,070	214	1,070	54	463	37	102	20
8	10	43	35	89	*1,290	214	1,920	50	292	30	77	18
9	9.4	*41	34	83	1,130	187	2,250	*50	146	25	62	17
10	9.0	34	35	214	912	170	1,920	45	191	25	54	16
11	8.7	26	39	489	858	154	2,250	41	272	28	60	16
12	7.7	23	37	502	876	146	2,680	39	178	24	102	15
13	12	21	67	402	808	130	5,360	41	116	25	72	16
14	28	20	*83	333	704	123	7,060	39	89	58	54	16
15	24	21	77	272	402	116	*4,160	39	77	123	*43	15
16	16	75	77	344	272	109	2,940	37	67	138	35	15
17	12	214	67	390	333	102	2,130	35	72	242	32	15
18	10	170	62	402	426	102	1,590	32	83	450	28	16
19	10	102	60	*606	426	165	1,270	32	77	378	30	14
20	9.7	116	54	704	402	489	1,030	30	60	196	24	14
21	9.7	102	47	634	554	876	732	94	47	102	23	14
22	9.7	77	43	606	1,070	1,380	426	252	43	164	21	13
23	9.7	67	41	606	1,440	1,790	378	390	41	476	21	13
24	9.7	60	39	567	1,410	1,590	366	606	39	322	21	18
25	10	47	37	502	1,170	1,470	322	858	35	170	57	17
26	10	39	39	366	1,090	1,440	242	894	32	123	39	15
27	10	37	37	252	1,090	1,290	170	690	32	85	28	*15
28	11	47	41	187	1,030	1,130	138	567	47	67	24	16
29	14	41	288	162	-	912	123	634	67	72	21	18
30	16	45	528	146	-----	515	109	704	50	295	34	18
31	15	-----	489	130	-----	272	-----	648	-----	223	34	-----
Total	350.7	1,683	2,669	10,406	19,873	17,712	42,609	7,348	3,646	4,283	2,790	588
Mean	11.3	56.1	86.1	336	710	571	1,420	237	122	138	90.0	19.6
Cfsm	0.036	0.179	0.275	1.07	2.27	1.92	4.54	0.757	0.390	0.441	0.288	0.065
In.	0.04	0.20	0.32	1.24	2.36	2.10	5.06	0.87	0.43	0.51	0.33	0.07
Calendar year 1954: Max	3,380	Min	7.1	Mean	206	Cfsm	0.658	In.	8.96			
Water year 1954-55: Max	7,060	Min	7.1	Mean	312	Cfsm	0.997	In.	13.53			

* Discharge measurement made on this day.

Tuscolameta Creek at Walnut Grove, Miss.

Location.--Lat 32°35', long 89°28', in NW $\frac{1}{4}$ sec. 34, T. 9 N., R. 8 E., Choctaw meridian, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile southwest of Walnut Grove, 0.6 mile upstream from Gulf, Mobile and Ohio Railroad bridge, $7\frac{1}{2}$ miles upstream from junction of north and south drainage canals, and $15\frac{1}{2}$ miles upstream from mouth.

Drainage area.--411 sq mi (combined drainage area for all channels).

Records available.--January 1939 to September 1955.

Gage.--Water-stage recorder and wire-weight gage on north canal read twice daily. Prior to June 18, 1939, staff or wire-weight gage and June 18, 1939, to July 13, 1953, water-stage recorder and wire-weight gage, at site 0.2 mile upstream at same datum. Water-stage recorder on south canal at bridge on State Highway 35 (old) 1 mile southwest of north canal gage. Prior to Nov. 24, 1943, staff gage on south canal at same site and datum. Datum of gages is 332.70 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers).

Average discharge.--16 years, 468 cfs.

Extremes.--Maximum discharge during year, 12,100 cfs Apr. 14 (gage height, 17.50 ft, north canal); maximum recorded gage height, south canal, 18.35 ft Mar. 14; minimum discharge (combined flow), 2.4 cfs Oct. 2.

1939-55: Maximum discharge, 34,600 cfs Jan. 7, 1950 (gage height, 23.00 ft, north canal); maximum gage height, south canal, 21.53 ft Jan. 7, 1950; minimum discharge (combined flow), that of Oct. 2, 1954.

Prior to canalization, creek reached a stage of 24.5 ft, from floodmark, sometime between 1920 and 1925.

Remarks.--Records good except those between 250 and 3,500 cfs and those for periods of no gage-height record, which are fair. Discharge computed by combining the flow of individually rated low-water channels except when discharge in north canal exceeds about 1,500 cfs or that in south canal exceeds about 800 cfs, during which periods discharge is determined from combined stage-discharge relation for all channels referred to gage on north canal.

Revisions (water years).--WSP 892: 1939(M). WSP 1002: 1943.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	3.1	13	1,160	84	242	89	a47	33	24	492	83
2	2.7	2.9	12	386	84	206	132	a40	24	23	254	66
3	4.2	2.9	11	203	83	183	174	a34	20	16	379	36
4	3.9	a2.9	10	142	79	162	*141	*31	18	30	260	20
5	4.4	a5.0	10	116	108	144	193	28	17	26	138	17
6	4.2	8.8	10	99	2,740	135	338	30	*18	15	72	12
7	3.7	9.3	9.9	84	*3,450	136	958	51	45	53	45	10
8	3.1	8.3	9.4	72	4,500	132	678	44	67	55	30	9.9
9	2.8	7.7	9.8	68	4,700	120	415	33	40	62	24	9.9
10	2.9	8.0	10	522	2,350	120	742	28	61	54	37	9.1
11	3.9	9.5	13	1,020	558	111	*2,640	25	85	32	118	9.1
12	4.0	8.3	14	342	104	111	2,370	22	72	46	132	a8.6
13	*5.2	8.0	23	566	252	110	5,050	20	59	82	55	a8.5
14	9.1	8.4	35	260	206	93	11,300	18	33	110	29	a9.3
15	12	15	29	182	190	87	*7,800	34	24	229	18	a7.8
16	9.3	*195	22	476	176	82	4,270	71	21	161	14	a7.5
17	6.6	159	22	601	182	80	1,460	44	17	299	18	a7.4
18	4.9	a83	34	766	189	80	387	15	15	258	15	a7.2
19	3.9	a54	45	1,360	170	82	263	25	14	*272	11	*6.6
20	3.8	a16	34	1,100	154	123	201	27	18	148	11	7.7
21	3.7	a12	*29	736	2,060	492	190	70	14	73	11	6.9
22	a3.8	12	24	645	3,970	1,420	206	74	17	87	*12	a6.1
23	3.9	9.5	21	488	4,800	942	176	53	27	207	9.4	a6.1
24	4.1	8.8	18	345	*4,310	677	137	206	17	139	337	31
25	4.0	7.5	17	*228	2,570	301	107	186	23	*108	275	a38
26	4.1	8.9	16	161	788	191	82	127	20	60	64	16
27	4.1	9.0	19	134	371	148	74	71	43	43	29	9.7
28	4.1	14	63	122	288	116	60	44	185	543	19	9.0
29	4.2	22	a2.590	113	-	102	54	51	104	646	15	8.8
30	4.1	16	2,490	100	-----	91	49	56	39	1,110	32	9.4
31	2.9	-----	2,160	88	-----	87	-----	44	-----	838	146	-----
Total	140.4	734.8	7,823.1	13,215	39,754	7,099	40,836	1,664	1,220	5,849	3,101.4	493.6
Mean	4.53	24.5	252	426	1,420	229	1,361	53.7	40.7	187	100	16.5
Cfsm	0.011	0.060	0.613	1.04	3.45	0.557	3.31	0.131	0.099	0.455	0.243	0.040
In.	0.01	0.07	0.71	1.20	3.60	0.64	3.70	0.15	0.11	0.53	0.28	0.04

Calendar year 1954: Max 3,800 Min 2.7 Mean 231 Cfsm 0.562 In. 7.63

Water year 1954-55: Max 11,300 Min 2.7 Mean 334 Cfsm 0.813 In. 11.04

Peak discharge (base, 4,000 cfs).--Feb. 9 (2 a.m.) 5,200 cfs (15.72 ft); Feb. 23 (8 p.m.) 5,350 cfs (15.76 ft); Apr. 14 (12 m.) 12,100 cfs (17.50 ft).

* Discharge measurement made on this day.

No gage-height record at either north or south canal; discharge estimated on basis of weather records for other canal when available and records for nearby stations.

Note.--Discharge at north canal Oct. 1-13, 17-21, Oct. 23 to Nov. 3, Nov. 6-14, June 14-19, Sept. 19, computed from twice-daily wire-weight-gage readings.

Yockanookany River near Kosciusko, Miss.

Location.--Lat 33°02', long 89°35', in NE1/4 sec. 33, T. 14 N., R. 7 E., Choctaw meridian, on left bank at downstream side of bridge on State Highway 35, 2 miles south of Kosciusko.

Drainage area.--314 sq mi.

Records available.--August 1938 to September 1955. Prior to October 1947, published as Yockanookany River near Kosciusko.

Gage.--Water-stage recorder. Datum of gage is 374.34 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Mar. 28, 1939, staff gage at same site and datum.

Average discharge.--17 years, 398 cfs.

Extremes.--Maximum discharge during year, 6,250 cfs Apr. 13 (gage height, 14.56 ft); minimum, 3.9 cfs Oct. 4 (gage height, 2.58 ft).

1938-55: Maximum discharge, 19,300 cfs Mar. 29, 1951 (gage height, 18.72 ft); minimum, 2.3 cfs Aug. 20-24, 1943; minimum gage height, 0.10 ft Sept. 3-6, 1939. Flood in December 1932 reached a stage of above 17 ft (from information by Corps of Engineers).

Remarks.--Records fair except those for periods of no gage-height record, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

(Shifting-control method used Nov. 26, 27, Apr. 29 to May 24, May 28 to June 6)

Oct. 1 to Nov. 27

Nov. 28 to Sept. 30

2.6	4.1	5.0	82	2.9	6.6	7.0	180	13.0	2,670
2.8	7.1	6.0	135	3.0	7.8	8.0	302	13.5	3,400
3.0	11	6.5	174	3.5	15	9.0	489	14.0	4,600
3.5	22	7.0	233	4.0	26	10.0	740	15.0	7,600
4.0	38			5.0	60	11.0	1,110		
				6.0	107	12.0	1,650		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.5	12	28	194	88	208	144	68	38	12	77	16
2	4.6	11	25	147	88	*180	198	58	27	12	197	14
3	4.4	10	22	107	84	155	257	52	21	12	422	12
4	4.2	175	21	84	74	140	*203	44	18	15	163	11
5	6.4	104	21	70	124	126	1,180	40	16	17	84	10
6	15	53	20	64	1,170	119	1,870	36	23	17	48	9.4
7	22	30	19	58	2,060	113	1,720	33	*100	*16	33	*9.3
8	10	22	19	48	*1,790	104	1,870	30	80	20	45	9.3
9	8.4	19	33	56	1,720	94	1,530	29	60	18	167	9.1
10	6.1	*17	44	461	1,390	94	1,540	26	150	24	94	8.8
11	5.4	15	40	910	619	94	1,380	25	110	22	126	8.2
12	5.7	14	58	618	238	91	1,560	*25	100	29	176	8.0
13	15	14	107	225	171	86	4,820	23	80	27	64	8.0
14	20	14	80	130	151	78	5,350	21	60	56	34	8.0
15	10	19	*52	198	151	74	5,800	20	50	125	25	8.0
16	8	140	38	593	201	70	3,920	18	40	214	20	8.0
17	8	138	33	417	805	66	1,990	17	120	153	*16	8.3
18	8	98	36	460	546	75	672	16	100	217	15	7.7
19	8	220	34	*1,210	344	219	294	16	80	121	14	7.6
20	7	137	31	1,530	278	546	219	16	60	52	14	8.2
21	7	83	28	1,260	940	1,090	334	25	50	337	13	8.5
22	7	56	27	1,030	1,830	2,540	489	56	40	500	13	7.8
23	7	40	25	770	1,870	2,600	335	84	30	189	12	7.7
24	6	31	24	407	*1,590	2,670	219	467	25	136	12	9.0
25	6	24	23	225	1,410	2,480	159	990	20	96	12	9.0
26	6	19	22	163	776	1,360	122	819	18	66	12	8.8
27	25	23	23	136	335	473	101	492	16	40	11	8.6
28	20	29	76	130	244	257	91	155	16	28	11	*8.8
29	17	32	704	119	-	198	86	74	14	49	11	8.9
30	14	29	872	104	-	171	76	72	14	73	10	11
31	13	-	375	94	-	151	-	62	-	82	14	-
Total	308.7	1,628	2,960	12,008	20,887	16,722	38,329	3,909	1,576	2,781	1,965	277.0
Mean	9.96	54.3	95.5	387	746	539	1,278	126	52.5	89.7	63.4	9.23
Cfsm	0.032	0.173	0.304	1.23	2.38	1.72	4.07	0.401	0.167	0.286	0.202	0.029
In.	0.04	0.19	0.35	1.42	2.47	1.98	4.54	0.46	0.19	0.33	0.23	0.03

Calendar year 1954: Max 6,550 Min 3.8 Mean* 242 Cfsm 0.771 In. 10.47
Water year 1954-55: Max 5,800 Min 4.2 Mean 283 Cfsm 0.901 In. 12.23

Peak discharge (base, 3,000 cfs).--Mar. 22 (8 p.m.) 3,090 cfs (13.30 ft); Apr. 13 (6 p.m.) 6,250 cfs (14.56 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 13-28, June 7 to July 6, Aug. 15, 16, 18; discharge estimated on basis of recorded range in stage, weather records, and records for nearby stations.

Yockanookany River near Ofahoma, Miss.

Location.--Lat 32°42', long 89°40', in NE¼NW¼ sec. 22, T. 10 N., R. 6 E., Choctaw meridian, near center of main span on downstream side of bridge on State Highway 16, 1½ miles southeast of Ofahoma, 3 miles upstream from mouth, and 8½ miles southwest of Carthage.

Drainage area.--484 sq mi.

Records available.--October 1943 to September 1955. Prior to October 1947, published as Yockanookany River near Ofahoma.

Gage.--Wire-weight gage and crest-stage indicator; gage read once daily. Datum of gage is 311.15 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to July 1, 1944, staff gage at same site and datum.

Average discharge.--12 years, 669 cfs.

Extremes.--Maximum discharge during year, 6,320 cfs Apr. 15 (gage height, 17.00 ft); minimum, 6.1 cfs Oct. 3 (gage height, 3.37 ft).
1943-55: Maximum discharge observed, 20,700 cfs Mar. 31, 1951 (gage height, 20.28 ft); minimum, 4.9 cfs Aug. 20, Sept. 11, 1954; minimum gage height, 3.00 ft Oct. 11, 12, 1943.

Remarks.--Records fair.

Revisions (water years).--WSP 1204: 1948.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 9-15, Nov. 25 to Dec. 28, Aug. 24-30, Sept. 1-30)

Oct. 1 to Apr. 15			Apr. 16 to Sept. 30		
3.4	4.5	8.0	675	3.6	9.5
3.6	14	11.0	1,390	3.8	19
4.0	39	13.0	2,000	4.0	32
4.5	84	14.0	2,550	4.5	80
5.0	142	16.0	4,560	5.0	142
6.0	285	17.0	6,320		

Note.--Same as preceding table above 5.0 ft.

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	24	45	301	224	*1,390	505	129	370	26	224	18
2	6.5	24	44	352	196	994	335	116	155	24	182	17
3	6.5	24	39	407	175	741	285	104	116	19	196	20
4	7.3	31	38	426	175	465	301	92	80	23	465	20
5	7.3	33	38	426	480	318	*335	69	69	47	352	18
6	6.9	27	35	426	877	269	370	67	269	*26	335	16
7	8.1	71	33	320	1,140	239	689	63	*196	20	269	16
8	9.5	100	31	239	1,070	224	1,470	61	142	14	155	16
9	10	*64	28	239	1,040	196	2,000	*59	122	14	92	16
10	13	53	28	269	1,510	182	2,300	53	210	25	65	16
11	15	38	33	318	1,690	175	2,690	47	155	19	98	16
12	15	26	45	318	1,750	168	2,850	44	122	16	162	16
13	15	22	60	370	1,420	155	5,000	43	142	18	142	13
14	16	28	*69	426	1,360	148	6,100	39	116	21	196	13
15	15	31	90	547	1,020	142	6,100	38	92	38	175	13
16	12	99	123	589	631	136	5,900	35	61	104	*92	13
17	26	175	112	589	407	123	5,000	31	69	224	42	12
18	15	142	100	526	370	117	5,340	30	129	318	31	12
19	16	168	60	*763	588	148	3,850	30	129	445	26	12
20	16	162	56	763	526	335	2,320	32	116	426	24	11
21	16	168	*55	763	946	653	1,610	33	98	285	24	10
22	16	196	48	854	1,690	1,420	1,090	36	69	224	23	10
23	16	162	42	1,090	1,720	1,660	653	38	59	301	20	9.5
24	14	106	41	1,310	1,610	1,690	465	167	39	285	19	27
25	14	64	37	1,310	1,720	2,140	465	388	31	352	18	68
26	12	51	36	1,210	1,780	2,480	445	301	27	388	17	17
27	12	44	40	1,020	1,780	2,550	335	335	25	285	17	*14
28	14	45	47	763	1,610	2,360	224	445	24	196	17	14
29	15	43	106	505	-	2,000	182	631	23	142	17	14
30	20	44	182	352	-----	1,580	155	697	23	505	20	14
31	23	-----	239	239	-----	877	610	-----	-----	443	36	-----
Total	415.1	2,265	1,978	18,030	29,105	26,075	59,344	4,863	3,278	5,273	3,551	501.5
Mean	13.4	75.5	63.8	582	1,039	841	1,978	157	109	170	115	16.7
Cfs/m	0.028	0.156	0.132	1.20	2.15	1.74	4.09	0.324	0.225	0.351	0.238	0.035
In.	0.03	0.17	0.15	1.39	2.24	2.00	4.56	0.37	0.25	0.41	0.27	0.04

Calendar year 1954: Max 5,900 Min 5.3 Mean 316 Cfs/m 0.653 In. 8.85
Water year 1954-55: Max 6,100 Min 6.5 Mean 424 Cfs/m 0.876 In. 11.88

* Discharge measurement made on this day.

Pearl River at Meeks Bridge, near Canton, Miss.

Location.--Lat 32°30'50", long 89°56'25", in NE $\frac{1}{4}$ sec. 25, T. 8 N., R. 3 E., Choctaw meridian, near left bank on downstream side of Meeks Bridge on State Highway 43, $3\frac{1}{2}$ miles northeast of Goshen Springs, $5\frac{1}{2}$ miles upstream from Mill Creek, 9 miles southeast of Canton, and 10 miles downstream from Fannegusha Creek.

Drainage area.--2,780 sq mi, approximately.

Records available.--July 1939 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 270.53 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Sept. 15, 1939, staff gage at same site and datum.

Average discharge.--16 years, 3,262 cfs.

Extremes.--Maximum discharge during year, 28,600 cfs Apr. 18 (gage height, 23.56 ft); minimum, 72 cfs Oct. 10, 11, 12 (gage height, 0.47 ft).

1939-55: Maximum discharge, 57,800 cfs Apr. 2, 1951 (gage height, 26.30 ft); minimum, that of Oct. 10, 11, 12, 1954; minimum gage height observed, 0.11 ft Oct. 26, Nov. 2, 1943.

Flood in December 1932 reached a stage of 26.4 ft, from floodmarks.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-30, Apr. 30 to July 16)

0.2	64	8.0	3,200
.5	97	12.0	6,100
1.0	167	16.0	9,900
1.5	262	20.0	15,900
2.0	368	22.0	21,400
4.0	1,120	24.0	31,200

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	g84	g182	4,510	1,560	10,200	*6,820	1,810	3,200	g400	3,440	386
2	73	87	g177	4,370	1,420	8,900	5,540	1,560	3,280	g333	2,780	538
3	73	g92	g181	3,260	1,290	7,900	4,170	1,330	3,140	g330	2,080	273
4	73	g97	164	*2,360	1,160	*7,180	3,320	1,160	2,900	g294	2,160	400
5	73	g97	182	1,910	1,120	6,180	2,960	1,040	2,540	g275	2,600	330
6	73	g96	g181	1,610	2,060	5,140	2,720	900	2,110	g386	2,360	282
7	73	g101	g170	1,330	4,520	4,100	2,960	820	1,960	458	2,010	249
8	73	125	g169	1,200	8,460	3,260	3,820	760	*1,860	g386	1,660	231
9	73	162	g167	1,120	7,160	2,780	4,740	700	1,660	g316	1,380	215
10	72	169	g184	1,120	*7,630	2,420	5,680	*625	1,330	g308	1,160	202
11	72	157	g165	1,710	8,000	2,110	7,720	555	1,200	g320	1,120	195
12	*76	148	167	2,720	8,400	1,860	9,400	505	1,200	g359	1,560	186
13	84	133	169	3,020	7,900	1,660	13,500	473	1,120	g313	1,510	179
14	84	130	181	2,840	*6,730	1,510	17,400	443	980	g284	1,040	172
15	82	*128	202	2,420	5,700	1,360	21,800	428	840	g414	840	167
16	83	151	241	2,160	*5,140	1,240	23,800	414	700	940	700	164
17	90	299	273	2,360	4,450	*1,160	27,000	400	607	1,420	572	161
18	97	720	277	2,780	g3,890	1,080	28,600	400	555	1,470	g458	154
19	105	662	271	3,140	g3,440	1,040	27,000	400	558	2,160	g359	*151
20	109	538	*258	3,820	g3,200	1,080	23,800	400	555	2,060	g359	150
21	105	428	260	4,170	g3,560	1,760	20,200	428	505	1,810	g333	146
22	101	372	256	4,170	g6,370	4,360	16,900	400	g458	*1,710	g308	140
23	95	372	239	3,960	9,200	6,100	13,500	538	g414	1,420	284	139
24	89	346	226	3,820	10,800	7,180	10,600	960	g386	1,510	*266	136
25	86	296	217	3,680	11,800	7,630	8,300	1,560	g359	1,810	271	136
26	85	256	206	*3,440	12,400	7,810	6,190	2,110	g346	1,660	607	136
27	85	231	198	3,140	12,500	7,810	4,590	2,360	g428	1,470	590	150
28	85	210	200	2,780	*11,600	7,810	3,500	2,480	572	1,330	400	153
29	85	195	241	2,360	--	7,900	2,720	2,540	473	1,660	308	142
30	85	188	1,950	2,010	--	7,900	2,160	2,780	g443	1,960	275	138
31	g85	--	3,680	1,760	--	7,630	--	3,080	--	2,900	275	--
Total	2,597	7,070	11,633	84,650	169,480	146,100	331,590	34,379	36,639	32,464	34,043	6,405
Mean	83.8	236	375	2,731	6,053	4,713	11,050	1,109	1,221	1,047	1,098	214
Cfsm	0.030	0.085	0.135	0.982	2.18	1.70	3.97	0.399	0.439	0.377	0.395	0.077
In.	0.03	0.09	0.16	1.13	2.27	1.95	4.44	0.46	0.49	0.43	0.46	0.09
Calendar year 1954: Max	9,780	Min	72	Mean	1,437	Cfsm	0.517	In.	7.00			
Water year 1954-55: Max	28,600	Min	72	Mean	2,458	Cfsm	0.884	In.	12.00			

* Discharge measurement made on this day.

g Computed from U. S. Weather Bureau once-daily wire-weight-gage readings.

Pelahatchie Creek near Fannin, Miss.

Location (revised).--Lat 32°23'18", long 89°58'05", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 6 N., R. 3 E., Choctaw meridian, near right bank 200 ft downstream from new bridge on State Highway 471, 2.2 miles downstream from Clark Creek, 2.2 miles south of Fannin, and 7.5 miles upstream from mouth.

Drainage area.--205 sq mi.

Records available.--January 1951 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 279.31 ft above mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to July 6, 1951, wire-weight gage and crest-stage indicator at same site and datum.

Extremes.--Maximum discharge during year, 13,500 cfs Apr. 13 (gage height, 22.08 ft); no flow for many days.

1951-55: Maximum discharge, that of Apr. 13, 1955; no flow at times.

Maximum stage known since at least 1880, about 23.7 ft in February 1950, from information by local residents.

Remarks.--Records good except those for computed on basis of wire-weight-gage readings and those below 2 cfs, which are fair.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 21				Feb. 22 to Sept. 30			
0.7	0	3.0	46	0.6	0.1	9.0	565
.8	.4	4.0	94	.7	.3	13.0	1,150
.9	1.0	5.0	180	1.0	1.9	17.0	2,040
1.1	2.6	7.0	340	1.5	7.0	18.0	2,470
1.3	4.9	10.0	695	2.0	16	19.0	3,300
1.6	9.7	15.0	1,550	3.0	43	20.0	5,060
2.0	18	18.0	2,570	4.0	88	22.0	13,000
				6.0	245		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	779	15	82	14	9.7	6.5	0.3	349	18
2		0	0	201	13	67	17	8.6	6.1	.4	128	15
3		0	0	49	12	54	18	*7.6	5.7	.4	188	8.0
4		0	0	29	12	45	20	5.8	4.5	.3	236	5.5
5		0	0	21	115	39	28	5.7	3.3	8.8	263	4.3
6		0	0	16	1,320	34	65	5.4	2.1	62	156	3.2
7		0	0	14	*1,850	30	184	5.3	2.6	60	33	2.6
8		0	0	10	2,160	27	218	4.8	1.9	137	127	2.1
9		0	0	9.4	1,650	24	156	3.5	*2.1	132	370	1.7
10		0	0	37	*396	22	437	2.5	1.8	72	204	1.2
11		0	0	319	118	21	1,710	2.5	1.4	180	77	1.0
12	(*)	0	.3	481	84	18	2,550	2.4	1.3	180	116	.8
13		0	.1	227	69	7.3	2,210	2.5	1.5	70	188	.7
14		0	0	80	51	5.6	8,650	2.5	1.2	72	114	.7
15		*.6	0	44	41	5.0	3,280	2.5	1.3	361	42	.7
16		.18	0	46	*36	4.6	1,890	2.4	1.8	458	16	.5
17		*0	0	172	33	*4.5	526	2.1	27	493	13	.5
18		0	0	236	30	4.3	150	2.1	13	414	7.8	.4
19	(*)	0	0	370	28	5.3	88	2.1	7.3	469	5.3	*.3
20		0	*0	481	29	14	60	2.9	6.4	517	4.4	.3
21		0	0	245	930	45	48	3.0	4.4	565	3.4	.3
22		0	0	132	3,830	414	42	3.0	3.1	*553	3.0	.2
23		0	0	176	*5,880	481	39	47	2.1	350	*2.6	.2
24		0	0	160	3,180	254	34	254	1.8	227	2.5	.2
25		0	0	92	*2,040	121	29	300	1.4	136	2.1	.2
26		0	0	52	596	62	23	168	1.2	40	1.9	.2
27		0	0	*38	164	40	19	49	4.8	24	1.7	1.7
28		0	5.3	28	110	29	16	11	.6	19	1.4	298
29		0	114	22	-	21	14	16	.5	27	1.2	849
30		0	604	19	-	17	12	11	.5	114	2.1	532
31		-	849	17	-	14	-	7.9	-	591	2.5	-
Total	0	1.4	1,572.7	4,602.4	24,892	2,011.6	29,527	952.8	119.0	6,333.2	2,661.9	1,749.5
Mean	0	0.047	50.7	148	889	64.9	984	30.7	3.97	204	85.9	58.3
Cfsm	0	0.00023	0.247	0.722	4.34	0.317	4.80	0.150	0.019	0.995	0.419	0.284
In.	0	0.0003	0.29	0.83	4.52	0.36	5.36	0.17	0.02	1.15	0.48	0.32

Calendar year 1954: Max 2,100 Min 0 Mean 93.1 Cfsm 0.454 In. 6.17

Water year 1954-55: Max 9,210 Min 0 Mean 204 Cfsm 0.995 In. 13.50

Peak discharge (base, 2,500 cfs).--Feb. 23 (2 a.m.) 7,430 cfs (20.70 ft); Apr. 13 (9 p.m.) 13,500 cfs (22.08 ft).

* Discharge measurement or observation of no flow made on this day.

Note.--Discharge May 4 to Aug. 21 computed from once- or twice-daily wire-weight-gage readings.

Pearl River at Jackson, Miss.

Location.--Lat 32°17'20", long 90°10'45", in SE $\frac{1}{4}$ sec. 10, T. 5 N., R. 1 E., Choctaw meridian, on left bank at downstream side of bridge on U. S. Highway 80 (old) at eastern city limits of Jackson, 0.2 mile upstream from Illinois Central Railroad bridge, a quarter of a mile upstream from Town Creek, and 4 $\frac{1}{2}$ miles upstream from Richland Creek.

Drainage area.--3,100 sq mi, approximately.

Records available.--June 1901 to December 1913 (prior to 1903 and for 1913, gage heights only), August 1928 to September 1955. Gage-height records collected at same site since 1904 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 234.90 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Dec. 31, 1913, chain gage, and Aug. 15, 1928, to Sept. 14, 1934, staff gage, at same site and datum.

Average discharge.--36 years (1903-12, 1928-55), 3,719 cfs.

Extremes.--Maximum discharge during year, 27,500 cfs Apr. 20 (gage height, 31.50 ft); minimum daily, 78 cfs Oct. 11; minimum gage height, 2.23 ft Oct. 7.
1901-13, 1928-55: Maximum discharge observed, 60,000 cfs Dec. 19, 1932 (gage height, 35.2 ft); maximum gage height, 37.20 ft Apr. 1, 1902 (discharge not determined); minimum daily discharge, that of Oct. 11, 1954; minimum gage height, 0.20 ft Nov. 4, 5, 1911.

Remarks.--Records good.

Revisions.--WSP 662: Drainage area.

Rating table, water year 1954-55, except for period of indefinite stage-discharge relation (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 8-11; rate of change in stage used as a factor Feb. 23-25, Mar. 3-7, Apr. 12-14, 22-28)

2.3	72	18.0
3.0	247	24.0
5.0	928	28.0
8.0	2,060	30.0
12.0	3,600	32.0
		30,500

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*e84	87	208	3,680	g1,680	12,700	7,310	2,330	g2,750	g498	3,320	315
2	e83	*85	206	4,160	g1,530	12,300	7,170	1,830	g2,860	g498	3,680	385
3	e83	85	203	4,040	1,340	10,800	6,530	1,570	g2,940	g464	2,970	532
4	e82	119	203	*3,360	1,230	*9,960	5,360	1,380	g2,860	g417	2,210	498
5	e82	108	200	2,370	1,380	8,800	*4,040	1,230	2,670	g820	2,330	447
6	e81	108	*200	1,800	3,560	7,710	3,130	1,110	2,440	532	2,670	382
7	e81	108	192	1,490	4,800	6,880	3,010	1,000	2,100	498	2,370	327
8	e80	110	*187	1,260	5,520	5,480	3,160	910	1,910	g568	1,950	291
9	e79	*112	187	1,110	*6,410	g3,960	g3,760	856	1,830	g712	2,250	267
10	e79	154	176	1,450	7,030	g2,940	g4,920	820	1,680	g784	1,950	244
11	e78	200	169	1,340	7,450	g2,480	6,710	*748	1,380	*498	1,490	227
12	*101	208	250	2,020	7,590	g2,180	10,100	694	1,260	568	1,300	219
13	115	187	195	2,860	7,680	1,910	17,500	658	1,230	622	1,570	208
14	92	174	182	2,970	*7,820	1,720	23,500	622	1,150	532	1,570	200
15	92	*219	179	2,820	7,590	1,530	25,200	604	*g1,040	481	1,110	192
16	87	256	189	2,520	6,960	1,420	25,700	568	*g892	820	874	187
17	87	208	241	2,210	6,100	1,300	25,200	532	g766	1,570	748	182
18	90	259	270	2,670	5,240	1,190	*25,200	515	g676	1,990	640	176
19	99	586	291	3,240	4,360	1,150	26,300	g532	g640	1,830	532	176
20	110	640	288	3,480	3,640	1,110	27,500	g622	g622	2,330	464	171
21	129	550	282	3,920	g5,040	1,530	26,900	g712	g640	2,900	417	*166
22	136	*481	*282	4,200	9,100	g3,480	23,000	g730	g604	4,160	382	164
23	122	420	282	4,160	9,920	g4,320	20,200	g1,150	g622	4,000	345	158
24	112	598	267	4,040	11,900	g5,080	17,100	g2,370	g712	2,210	327	158
25	110	379	250	3,840	13,000	5,650	14,700	1,640	g464	1,640	*306	154
26												
28	96	348	244	3,680	12,900	6,150	12,100	1,800	g430	1,760	297	154
27	99	321	250	3,440	12,900	6,530	9,600	g2,060	g430	1,640	532	156
28	99	291	477	3,090	*12,800	6,830	7,510	g2,250	g481	1,640	604	164
29	90	250	712	2,670	-	7,030	6,300	g2,480	g522	2,020	464	464
30	87	222	622	2,290	-----	7,170	4,080	g2,400	g550	3,050	366	*564
31	85	-----	2,400	*g1,910	-----	7,310	-----	g2,520	-----	2,820	333	-----
Total	2,930	7,669	10,264	88,090	184,450	158,600	402,790	39,243	39,251	44,872	40,371	8,328
Mean	94.5	256	331	2,842	6,588	5,116	13,430	1,266	1,308	1,447	1,302	278
Cfsm	0.030	0.083	0.107	0.917	2.13	1.65	4.33	0.408	0.422	0.467	0.420	0.090
In.	0.04	0.09	0.12	1.06	2.21	1.90	4.83	0.47	0.47	0.54	0.48	0.10

Calendar year 1954: Max 10,600 Min 78 Mean 1,703 Cfsm 0.549 In. 7.45
Water year 1954-55: Max 27,500 Min 78 Mean 2,813 Cfsm 0.907 In. 12.31

* Discharge measurement made on this day.

e Stage-discharge relation indefinite; discharge estimated on basis of weather records and 2 discharge measurements.

g Computed from once-daily U. S. Weather Bureau wire-weight-gage readings.

Strong River at Dlo, Miss.

Location.--Lat 31°58'45", long 89°54'05", in SW¼ sec. 28, T. 2 N., R. 4 E., Choctaw meridian, on left bank at downstream side of bridge on U. S. Highway 49, 460 ft upstream from Illinois Central Railroad bridge, a quarter of a mile south of Dlo, 1,500 ft downstream from Sellers Creek, 1.6 miles upstream from Dobbs Creek, and 2 miles northwest of Mendenhall.

Drainage area.--429 sq mi.

Records available.--August 1928 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 257.99 ft above mean sea level (Corps of Engineers benchmark). Prior to Oct. 19, 1938, staff gage at site 700 ft upstream at datum 5.00 ft higher.

Average discharge.--26 years (1928-29, 1930-55), 558 cfs.

Extremes.--Maximum discharge during year, 19,800 cfs Apr. 13 (gage height, 31.07 ft); minimum, 13 cfs Oct. 7 (gage height, 2.25 ft).
1928-55: Maximum discharge, 23,300 cfs Jan. 7, 1950 (gage height, 33.0 ft, from floodmark); minimum, 12 cfs Sept. 1, 1954 (gage height, 2.20 ft).

Remarks.--Records good. Slight regulation at low flow by water mill above station.

Revisions (water years).--WSP 697: 1929. WSP 872: Drainage area.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 26 to Nov. 9)

Oct. 1 to Apr. 13				Apr. 13 to Sept. 30			
2.2	12	6.0	690	15.0	3,530	28.0	12,800
2.4	27	10.0	1,800	20.0	5,630	31.0	19,500
2.7	54	15.0	3,530	25.0	8,400		
3.0	90	20.0	5,850	Note.--Same as preceding table below 15.0 ft.			
4.0	253	23.0	7,550				

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	25	*27	605	94	400	94	96	81	35	416	40
2	20	25	27	262	90	359	147	87	66	22	244	36
3	20	24	28	178	84	300	148	81	62	30	319	35
4	20	40	27	142	81	262	131	76	54	36	444	32
5	21	36	29	114	471	231	119	70	50	40	752	31
6	18	30	28	96	3,910	214	385	66	56	52	207	29
7	17	29	27	81	4,850	197	766	64	120	107	120	29
8	16	27	29	73	*4,090	180	349	62	*70	174	82	26
9	17	25	29	70	2,850	168	235	58	57	125	69	25
10	16	25	32	199	2,230	160	717	*57	70	112	63	25
11	18	21	30	494	754	147	2,490	55	87	90	233	22
12	22	18	48	500	455	142	3,300	53	66	61	137	25
13	34	19	55	466	349	131	*16,400	53	54	249	75	26
14	33	19	44	253	280	132	17,500	52	49	120	57	24
15	27	23	39	181	253	122	12,800	50	48	477	47	22
16	25	49	33	500	230	118	6,790	54	69	422	43	21
17	22	45	40	*500	214	114	3,260	53	48	400	40	22
18	22	43	51	558	197	122	715	50	48	636	38	22
19	21	43	42	950	183	119	455	47	48	762	36	23
20	21	37	41	870	181	118	359	74	41	512	36	22
21	21	32	40	740	3,400	116	309	85	37	738	33	22
22	21	28	*38	641	6,730	158	290	76	40	309	31	*22
23	21	26	37	488	*7,310	222	253	82	69	617	37	23
24	16	25	34	390	5,400	290	219	594	106	290	42	23
25	18	23	33	290	4,150	231	193	766	54	188	*33	23
26	18	24	33	210	2,500	171	169	455	43	*120	35	23
27	*22	25	33	166	690	132	152	228	36	90	41	23
28	19	26	99	147	477	114	130	144	35	85	46	76
29	26	25	2,130	128	-----	103	114	126	33	84	38	188
30	24	25	2,220	116	-----	93	103	126	45	649	37	55
31	24	-----	1,140	104	-----	*90	-----	118	-----	896	38	-----
Total	660	862	6,543	10,512	52,483	5,436	69,092	4,058	1,742	8,535	3,869	1,015
Mean	21.3	28.7	211	339	1,874	175	2,303	131	58.1	275	125	33.8
Cfsm	0.050	0.067	0.492	0.790	4.37	0.408	5.37	0.305	0.135	0.641	0.291	0.079
In.	0.06	0.07	0.57	0.91	4.55	0.47	5.99	0.35	0.15	0.74	0.34	0.09

Calendar year 1954: Max 5,450 Min 16 Mean 258 Cfsm 0.601 In. 8.16
Water year 1954-55: Max 17,500 Min 16 Mean 452 Cfsm 1.05 In. 14.29

Peak discharge (base, 5,000 cfs).--Feb. 23 (2 a.m.) 7,670 cfs (23.20 ft); Apr. 13 (6 p.m.) 19,800 cfs (31.07 ft).

* Discharge measurement made on this day.

PEARL RIVER BASIN

Pearl River near Monticello, Miss.

Location.--Lat 31°33', long 90°05', in SW $\frac{1}{4}$ sec. 23, T. 7 N., R. 21 W., St. Stephens meridian, near left bank on downstream side of pier of bridge on U. S. Highway 84, 1.0 mile east of Monticello, $2\frac{1}{2}$ miles upstream from Halls Creek, and 3 miles upstream from Silver Creek.

Drainage area.--5,040 sq mi, approximately.

Records available.--October 1938 to September 1955. Gage-height records collected since 1924 at site $1\frac{1}{4}$ miles upstream from station are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 158.66 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, staff gage, Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder, and Jan. 11, 1949, to Oct. 16, 1952, wire-weight gage, all at present site and datum.

Average discharge.--17 years, 6,190 cfs.

Extremes.--Maximum discharge during year, 44,000 cfs Apr. 14 (gage height, 26.88 ft); minimum, 312 cfs Nov. 3, 4 (gage height, 3.54 ft).

1938-55: Maximum discharge observed, 59,300 cfs Jan. 7, 1950 (gage height, 29.44 ft); minimum, 292 cfs Oct. 22, 1952; minimum gage height, that of Nov. 3, 4, 1954.

Flood in April 1902 reached a stage of about 33 ft, from reports of U. S. Weather Bureau. A discharge of 69,900 cfs was measured Apr. 8, 1938, by Corps of Engineers (gage height, 30.15 ft, from floodmark).

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 3 to June 18)

Oct. 1 to Feb. 6				Feb. 7 to Sept. 30			
3.5	300	8.0	3,700	3.8	458	15.0	11,900
4.0	495	13.0	9,240	4.0	540	20.0	19,500
5.0	1,070	19.0	17,800	5.0	1,020	24.0	30,500
				7.0	2,610	27.0	44,500
				10.0	5,670		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	334	330	495	4,400	2,940	14,400	7,820	13,100	3,100	962	6,550	933
2	330	324	477	4,500	2,580	13,800	8,590	7,700	3,200	962	5,120	825
3	327	321	459	4,700	2,310	13,500	8,460	4,600	3,300	904	4,700	787
4	324	334	441	4,800	*2,080	13,300	8,200	3,600	3,400	962	4,600	732
5	324	389	436	4,600	4,500	12,900	7,700	3,100	3,400	1,050	4,200	800
6	327	464	432	*3,900	17,200	12,400	7,940	2,610	3,400	1,220	4,100	850
7	334	428	423	2,940	21,900	11,500	5,560	2,340	3,200	1,400	3,700	800
8	351	389	414	2,400	*21,500	10,400	5,010	2,120	2,900	1,360	3,500	754
9	334	362	432	2,080	18,300	9,110	4,860	1,940	2,610	1,180	4,800	*688
10	324	351	428	2,040	14,400	7,460	8,950	1,740	2,430	1,150	4,000	646
11	321	344	428	3,700	11,500	5,670	16,800	1,620	2,430	1,180	*3,300	624
12	337	337	459	3,900	9,890	4,300	18,860	1,460	2,200	1,180	2,700	582
13	472	337	526	3,120	8,980	3,700	34,700	1,400	1,900	*1,120	2,340	561
14	477	362	560	3,400	8,720	3,300	43,500	1,290	1,700	1,460	2,020	561
15	423	393	560	3,800	8,590	3,000	43,000	1,220	1,620	2,700	2,070	561
16	389	450	504	5,500	8,590	2,700	*42,000	1,150	1,620	2,430	1,900	532
17	362	495	490	6,330	8,460	2,430	39,500	1,120	*1,460	1,980	1,840	524
18	348	536	495	5,200	8,070	*2,250	36,500	*1,090	1,360	4,200	1,320	511
19	337	522	495	6,550	7,460	2,610	32,500	1,120	1,260	5,670	1,180	503
20	327	472	518	6,660	6,550	3,900	29,300	1,220	1,150	4,600	1,050	491
21	324	522	522	5,800	11,700	2,520	27,400	1,620	1,090	6,110	962	478
22	321	739	531	6,000	20,100	2,610	26,200	1,400	1,090	6,880	877	474
23	324	744	531	6,330	23,500	3,600	25,600	1,360	1,090	7,820	850	478
24	330	*690	522	5,900	23,800	4,800	25,300	2,560	1,090	8,850	800	483
25	340	646	518	5,500	22,100	5,670	25,000	4,700	1,090	6,330	787	495
26	344	600	513	5,100	19,900	6,220	24,400	4,600	1,150	3,900	754	474
27	*337	585	508	4,800	17,800	6,660	23,200	3,500	992	2,900	550	462
28	344	575	*628	4,600	15,700	6,990	21,700	2,900	*933	2,520	800	462
29	385	550	8,840	4,200	-	7,220	19,700	2,900	904	2,430	825	561
30	365	527	12,100	3,900	-----	7,460	17,200	3,200	904	3,500	933	825
31	340	-----	7,700	3,400	-----	7,700	-----	3,200	-----	6,770	992	-----
Total	10,856	14,118	42,585	140,050	349,120	214,080	645,330	87,480	57,973	95,680	74,120	18,457
Mean	350	471	1,367	4,518	12,470	6,906	21,510	2,822	1,932	3,086	2,391	615
Cfsm	0.069	0.093	0.271	0.896	2.47	1.37	4.27	0.560	0.383	0.612	0.474	0.122
In.	0.08	0.10	0.31	1.03	2.58	1.58	4.76	0.65	0.43	0.71	0.55	0.14

Calendar year 1954: Max 17,500 Min 321 Mean 2,755 Cfsm 0.547 In. 7.42
Water year 1954-55: Max 43,500 Min 321 Mean 4,794 Cfsm 0.951 In. 12.92

* Discharge measurement made on this day.

Pearl River near Bogalusa, La.

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

Drainage area.--6,630 sq mi, approximately.

Records available.--October 1938 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 55.00 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, wire-weight gage at same site and datum.

Average discharge.--17 years, 8,955 cfs.

Extremes.--Maximum discharge during year, 52,700 cfs Apr. 16 (gage height, 20.15 ft); minimum, 1,120 cfs Oct. 5, 6; minimum gage height, 5.38 ft Oct. 6.
1938-55: Maximum discharge, 60,000 cfs Jan. 25, 26, 1947; maximum gage height, 20.32 ft Jan. 13, 1950; minimum discharge, 1,100 cfs Sept. 15, 16, 17, 1954; minimum gage height, 5.36 ft Sept. 16, 1954.
Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet,
and discharge, in cubic feet per second)
(Shifting-control method used Nov. 8 to Dec. 30)

5.4	1,120	15.0	10,300
6.0	1,460	17.0	14,800
7.0	2,060	18.0	18,500
9.0	3,360	18.5	22,500
11.0	4,990	19.0	29,000
13.0	7,300	20.1	50,400

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,150	1,290	1,320	12,700	5,190	26,100	8,840	27,500	4,330	2,180	4,990	2,120
2	1,180	1,260	1,290	10,700	4,790	23,600	9,140	26,100	4,330	2,250	6,660	2,180
3	1,210	1,180	1,290	7,300	4,330	20,600	9,620	21,500	4,250	2,180	*7,970	2,120
4	1,150	1,260	1,260	6,060	4,010	18,000	10,300	14,600	4,250	2,180	7,040	2,000
5	*1,120	1,520	1,240	5,840	4,280	16,800	10,300	9,460	4,330	2,120	6,420	1,880
6	1,120	1,580	1,210	5,840	8,650	16,400	9,950	6,910	4,420	2,310	5,950	1,820
7	1,150	1,460	1,180	5,620	15,200	15,700	9,460	5,730	4,510	*2,250	5,620	1,820
8	1,320	1,400	1,150	4,990	19,800	15,100	*8,540	5,090	*4,510	2,310	5,400	1,820
9	1,460	1,380	1,180	4,250	23,600	14,200	7,560	4,600	4,330	2,570	6,780	1,820
10	1,380	1,320	1,210	3,780	26,100	13,200	7,830	4,250	4,250	2,630	7,040	1,760
11	1,260	1,260	1,210	3,500	26,100	11,800	10,900	4,010	4,090	2,570	7,040	1,700
12	1,240	1,210	1,290	3,500	24,800	10,100	14,500	3,780	4,010	2,570	6,300	1,640
13	1,940	1,180	1,520	4,330	18,500	8,110	19,800	*5,840	3,860	2,630	5,090	1,580
14	2,630	1,150	1,700	4,690	14,800	6,660	32,300	3,500	3,640	2,570	4,420	1,580
15	2,570	1,150	1,640	4,250	12,700	*5,730	43,700	3,360	3,430	2,570	3,860	*1,520
16	2,120	1,150	1,580	5,210	11,600	5,190	50,400	3,290	3,230	2,700	3,500	1,520
17	1,700	1,210	1,520	9,060	11,200	4,790	50,400	3,290	3,090	3,290	3,360	1,460
18	1,460	1,260	1,580	10,600	11,000	4,420	50,400	3,230	2,960	3,570	3,230	1,460
19	1,380	1,320	1,640	11,000	10,800	4,170	48,100	3,090	2,890	3,500	2,960	1,430
20	1,320	1,350	1,580	9,950	10,500	4,010	48,100	3,360	2,760	4,250	2,760	1,400
21	1,260	1,380	1,460	9,620	9,780	4,600	45,900	5,240	2,630	5,620	2,570	1,400
22	1,240	1,350	1,430	9,140	9,780	5,730	43,700	5,840	2,500	5,510	2,370	1,380
23	1,210	*1,290	1,400	8,390	13,800	5,090	39,600	4,790	2,440	6,300	2,250	1,380
24	1,210	1,320	1,380	8,390	*17,600	4,600	37,700	4,010	2,440	7,830	2,180	1,400
25	1,180	1,430	1,380	*8,390	21,500	4,990	35,800	4,600	2,370	8,250	2,180	1,400
26	1,180	1,460	1,350	7,830	24,800	5,950	32,300	5,290	2,310	8,840	2,060	1,430
27	1,210	1,430	1,350	7,170	26,100	6,660	32,300	5,840	2,250	7,830	2,000	1,430
28	*1,240	1,400	*1,460	6,660	27,500	7,300	30,600	5,840	2,310	5,840	2,000	1,400
29	1,350	1,380	1,760	6,420	-	7,690	29,000	5,090	2,310	4,600	2,060	1,380
30	1,380	1,350	3,380	6,060	-	8,110	29,000	4,510	2,180	4,420	2,120	1,350
31	1,320	-	9,150	5,620	-	8,540	-	4,250	-	5,190	2,060	-
Total	43,640	39,680	53,090	216,860	418,810	313,940	816,040	215,590	101,210	123,430	130,240	48,580
Mean	1,408	1,323	1,713	6,995	14,960	10,130	27,200	6,955	3,374	3,982	4,201	1,619
Cfsm	0.212	0.200	0.258	1.06	2.26	1.53	4.10	1.05	0.509	0.601	0.634	0.244
In.	0.24	0.22	0.30	1.22	2.35	1.76	4.58	1.21	0.57	0.69	0.75	0.27

Calendar year 1954: Max 17,600 Min 1,100 Mean 4,140 Cfsm 0.624 In. 8.46
Water year 1954-55: Max 50,400 Min 1,120 Mean 6,907 Cfsm 1.04 In. 14.14

* Discharge measurement made on this day.

Bogue Lusa near Franklinton, La.

Location.--Lat 30°52'05", long 90°00'10", in NE¼NW¼ sec. 21, T. 2 S., R. 12 E., St. Helena meridian, near right bank at downstream side of bridge on State Highway 10 at Sheridan store, three-quarters of a mile upstream from Witches Creek and 9 miles east of Franklinton.

Drainage area.--12.1 sq mi.

Records available.--October 1948 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 205.19 ft above mean sea level (Louisiana Department of Highways reference mark). Prior to Dec. 2, 1948, staff gage at same site and datum.

Average discharge.--7 years, 19.0 cfs.

Extremes.--Maximum discharge during year, 430 cfs Apr. 13 (gage height, 6.79 ft); minimum, 1.2 cfs July 9 (gage height, 1.29 ft), caused by temporary dam upstream; minimum daily, 1.4 cfs July 9.
1948-55: Maximum discharge, 4,020 cfs Nov. 26, 1948 (gage height, 11.0 ft, from graph based on gage readings); minimum, 0.2 cfs June 4, 1952, caused by temporary dam upstream; minimum daily, 1.3 cfs July 1, 1952.

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 7 to Dec. 12, Feb. 8 to Mar. 23, June 3, 4, 19-24, July 6-10, 28, Aug. 1-14, 28, 31)

1.2	1.3	3.0	36
1.5	3.7	4.0	67
1.7	6.1	5.0	124
2.0	12	6.0	257
2.5	23		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1	4.5	6.1	25	7.5	9.1	6.1	3.5	1.9	2.3	7.1	5.2
2	3.0	4.1	6.3	16	7.5	9.1	8.6	3.3	1.9	2.2	*22	3.8
3	2.7	4.0	6.1	9.9	6.9	9.0	7.4	3.2	1.7	2.2	16	3.1
4	2.8	24	6.1	8.6	6.6	8.8	6.3	3.2	1.6	1.9	21	2.8
5	*2.7	28	6.4	7.7	72	8.2	6.3	3.1	2.3	1.9	7.7	3.0
6	2.7	10	6.0	7.2	100	8.1	6.0	3.0	4.0	1.7	5.3	3.2
7	6.0	7.7	5.8	6.6	48	7.5	*5.4	3.0	*3.2	*1.5	4.4	2.9
8	4.4	6.9	6.1	6.0	26	7.4	5.2	3.0	2.6	1.5	3.9	2.5
9	3.3	6.6	9.0	5.8	19	7.2	12	3.0	2.2	1.4	4.4	2.3
10	3.0	6.4	8.4	7.5	16	7.7	105	2.9	5.3	1.5	4.4	2.2
11	3.1	6.1	6.9	7.5	14	7.5	71	2.9	7.6	1.9	3.7	2.0
12	8.7	6.0	16	6.1	13	7.1	17	*2.9	3.9	1.9	3.5	2.0
13	42	5.8	32	5.7	12	7.1	229	3.1	2.8	3.5	3.5	2.2
14	36	6.0	11	5.3	12	*7.1	60	3.0	2.4	4.0	3.4	*2.2
15	13	6.7	7.1	5.8	12	7.1	22	3.0	2.2	4.1	3.1	2.2
16	6.0	12	5.7	88	12	6.9	13	7.8	2.2	3.4	3.0	2.1
17	4.2	10	8.8	57	11	6.6	9.9	16	2.0	3.3	2.6	2.2
18	3.8	7.7	13	37	11	6.4	8.2	5.8	1.9	5.0	2.6	2.9
19	3.4	9.9	7.9	54	11	6.4	7.1	4.0	1.7	14	2.5	2.3
20	3.2	8.4	7.4	23	11	6.7	6.7	63	1.7	7.7	2.4	2.1
21	3.1	7.1	5.6	15	15	6.7	7.4	22	1.7	4.8	2.3	2.2
22	3.2	*6.6	5.4	14	20	7.2	6.7	5.8	1.7	5.7	2.2	2.3
23	3.2	6.4	5.3	13	*17	6.7	5.8	4.0	1.6	19	2.9	2.2
24	3.1	6.4	5.3	*15	12	6.4	5.3	3.4	1.7	7.2	3.0	2.6
25	3.1	6.1	5.2	11	10	6.3	4.6	3.0	1.9	4.7	2.4	2.6
26	3.1	6.0	5.1	9.0	10	5.7	4.4	2.6	1.9	5.6	2.9	2.3
27	*3.1	6.3	5.3	9.3	9.9	5.6	4.2	2.5	2.1	11	4.2	2.1
28	4.6	6.9	*26	11	9.7	5.8	4.0	2.2	2.4	8.4	7.5	2.4
29	12	6.7	33	9.1	-	5.7	3.8	2.1	2.2	4.9	4.8	2.0
30	7.1	6.3	13	8.2	-----	5.7	3.6	2.0	2.2	4.7	4.1	2.0
31	4.9	-----	10	7.7	-----	5.7	-----	1.9	-----	4.5	9.5	-----
Total	207.6	245.6	301.3	512.0	532.1	218.5	682.0	194.2	74.5	147.4	172.3	75.9
Mean	6.70	8.19	9.72	16.5	19.0	7.05	22.1	0.626	2.48	4.75	5.56	2.53
Cfs/m	0.554	0.677	0.803	1.36	1.57	0.583	1.83	0.517	0.205	0.393	0.480	0.209
In.	0.64	0.75	0.93	1.57	1.64	0.67	2.03	0.60	0.23	0.45	0.53	0.23

Calendar year 1954: Max 414 Min 1.9 Mean 11.2 Cfs/m 0.926 In. 12.53
Water year 1954-55: Max 229 Min 1.4 Mean 9.16 Cfs/m 0.757 In. 10.28

Peak discharge (base, 350 cfs).--Apr. 13 (11 a.m.) 430 cfs (6.79 ft).

* Discharge measurement made on this day.

Bogue Chitto near Tylertown, Miss.

Location.--Lat 31°11', long 90°17', in SE $\frac{1}{4}$ sec. 34, T. 3 N., R. 9 E., Washington meridian, near right bank on downstream side of bridge on U. S. Highway 98, a quarter of a mile upstream from Fernwood, Columbia & Gulf Railroad bridge, a quarter of a mile upstream from Bars Branch, 2 $\frac{1}{4}$ miles downstream from Topisaw Creek, and 9 miles northwest of Tylertown.

Drainage area.--502 sq mi.

Records available.--August 1944 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 227.40 ft above mean sea level, datum of 1929, supplementary adjustment of 1941.

Average discharge.--11 years, 875 cfs.

Extremes.--Maximum discharge during year, 38,700 cfs Apr. 14 (gage height, 32.08 ft); minimum, 193 cfs Sept. 20, 21, 22, 23 (gage height, 7.30 ft).
1944-55: Maximum discharge, 45,700 cfs Jan. 7, 1950 (gage height, 33.50 ft); minimum, 181 cfs Sept. 13, 14, 1954 (gage height, 7.21 ft).

Remarks.--Records good.

Rating table, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Rate of change in stage used as a factor Feb. 6-8, Apr. 12-15)

7.3	193	12.0	2,810
7.6	261	15.0	5,600
8.0	395	20.0	11,700
9.0	828	25.0	18,900
10.0	1,360	30.0	29,900

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	221	228	238	2,050	357	560	296	322	256	326	261	248
2	212	226	238	852	343	514	503	316	*245	261	290	233
3	208	224	240	648	326	*468	692	309	238	245	312	221
4	208	238	240	535	*319	435	560	303	235	235	319	217
5	210	243	238	460	1,540	407	427	296	235	248	343	212
6	*212	245	235	*411	8,800	387	365	*290	235	230	560	212
7	245	245	238	380	*14,600	385	352	290	233	264	309	212
8	346	240	235	357	*8,780	354	316	287	233	238	353	210
9	336	*235	*240	350	4,050	343	357	284	228	226	815	208
10	261	233	235	380	1,640	336	968	278	256	251	372	204
11	235	230	235	582	995	329	3,690	273	261	233	300	202
12	267	230	261	714	782	326	*8,610	270	261	228	287	201
13	435	230	303	543	648	326	*23,800	267	256	240	290	201
14	415	230	309	431	582	319	*27,200	261	238	273	261	201
15	350	258	300	391	539	312	7,250	261	233	284	253	199
16	281	267	270	1,040	501	306	3,060	258	230	332	245	199
17	251	267	267	1,910	472	296	1,300	258	228	312	240	199
18	238	366	278	1,910	443	293	875	258	224	290	235	199
19	235	411	290	1,910	431	316	714	261	219	300	233	197
20	228	303	276	1,630	419	395	604	343	217	322	230	195
21	226	267	264	1,270	897	828	547	346	214	456	228	193
22	226	261	258	898	2,610	898	505	316	217	514	226	*195
23	226	253	256	852	4,700	848	468	312	264	526	226	195
24	226	240	256	737	3,690	547	443	326	248	357	233	197
25	226	238	253	582	2,050	431	411	560	235	303	228	199
26	226	233	253	501	946	368	364	447	219	267	*221	197
27	226	235	258	443	737	336	365	326	214	*253	228	202
28	233	238	607	427	626	319	354	287	*214	258	226	201
29	248	235	1,730	431	-	303	343	273	272	261	224	199
30	233	235	2,350	411	-	293	332	256	560	387	224	195
31	228	-----	3,240	384	-----	290	-----	258	-----	309	276	-----
Total	7,918	7,564	14,871	24,420	63,223	12,648	86,091	9,390	7,418	9,229	9,068	6,143
Mean	255	252	480	788	2,258	408	2,870	303	247	298	293	205
Cfsm	0.508	0.502	0.956	1.57	4.50	0.813	5.72	0.604	0.492	0.594	0.584	0.408
In.	0.59	0.56	1.10	1.81	4.68	0.94	6.38	0.70	0.55	0.68	0.67	0.46

Calendar year 1954: Max 3,240 Min 189 Mean 368 Cfsm 0.733 In. 9.94
Water year 1954-55: Max 27,200 Min 193 Mean 707 Cfsm 1.41 In. 19.12

Peak discharge (base, 6,000 cfs).--Feb. 7 (5 p.m.) 15,900 cfs (22.97 ft); Apr. 14 (3 a.m.) 38,700 cfs (32.08 ft).

* Discharge measurement made on this day.

Bogue Chitto at Franklinton, La.

Location.--Lat 30°50'35", long 90°09'45". in SE¹/₄SE¹/₄ sec. 26, T. 2 S., R. 10 E., on right bank just downstream from bridge on State Highway 10, three-quarters of a mile west of Franklinton and 3½ miles upstream from Lawrence Creek.

Drainage area.--985 sq mi.

Records available.--August 1928 to September 1931, October 1938 to September 1955. Gage-height records collected in this vicinity since 1922 are contained in reports of U. S. Weather Bureau.

Gage.--Water-stage recorder. Datum of gage is 124.81 ft above mean sea level, datum of 1929, supplementary adjustment of 1941. August 1928 to September 1931 staff gage at site about a quarter of a mile downstream at datum 1.00 ft higher. October 1938 to June 22, 1939, wire-weight gage at same site and datum.

Average discharge.--20 years, 1,637 cfs.

Extremes.--Maximum discharge during year, 48,000 cfs Apr. 15 (gage height, 18.26 ft); minimum, 442 cfs Oct. 5, 6; minimum gage height, 0.03 ft Sept. 21-24, 1928-31, 1938-55; Maximum discharge, 50,000 cfs Mar. 21, 1943 (gage height, 18.46 ft); minimum, 350 cfs Nov. 6-8, 1938; minimum gage height, -0.09 ft Oct. 7, 1952. Maximum stage known, 27.6 ft, former site and datum, from floodmark, sometime in April 1900.

Remarks.--Records good except for those for periods of no gage-height record, which are poor.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-13, Nov. 6 to Dec. 29, July 23 to Sept. 30)

Oct. 1 to Feb. 8					Feb. 9 to Sept. 30				
0.1	430	4.0	3,140		0.1	440	10.0	10,800	
0.0	470	8.0	7,490		.5	610	11.0	12,500	
.5	695	10.0	10,600		1.0	860	13.0	16,600	
1.0	945	13.0	16,600		2.0	1,540	14.0	19,200	
2.0	1,520				4.0	3,400	16.0	23,600	
					6.0	5,520	18.0	44,600	
					8.0	7,850			

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	479	510	538	4,220	920	1,200	705	950	575	750	1,040	680
2	506	502	542	2,700	895	1,070	755	900	550	650	*945	632
3	470	497	542	1,560	845	975	915	850	525	600	1,100	588
4	454	628	542	1,250	845	915	1,040	800	525	550	1,100	565
5	*446	720	547	1,080	2,490	860	915	750	500	550	975	552
6	462	605	542	972	7,260	832	*832	700	550	*550	1,140	552
7	520	560	538	895	12,800	832	780	680	*525	525	1,100	542
8	546	542	845	16,200	805	730	850	500	500	500	915	547
9	564	533	556	820	14,400	805	805	640	500	500	977	534
10	556	528	560	845	5,560	780	1,580	630	600	500	1,220	520
11	497	515	556	870	3,300	780	3,610	620	650	500	860	516
12	609	515	628	1,060	2,280	755	5,300	*610	800	550	755	504
13	1,540	515	845	1,110	1,780	755	10,200	600	550	550	680	500
14	1,250	515	720	972	1,460	*730	28,000	590	525	600	655	512
15	845	520	572	895	1,340	705	40,000	580	500	600	655	508
16	695	560	650	2,880	1,240	680	15,300	800	500	650	632	*496
17	805	578	628	4,120	1,200	680	6,000	900	500	650	610	508
18	564	569	672	3,920	1,160	680	3,200	700	475	700	588	512
19	542	650	650	4,020	1,100	655	2,380	600	475	650	565	504
20	528	672	650	3,420	1,100	680	1,960	1,300	475	650	588	500
21	515	605	628	2,860	1,130	805	1,740	3,050	475	650	565	492
22	510	*574	628	2,160	2,450	1,270	1,580	1,500	450	800	552	492
23	506	564	596	1,790	*4,250	1,200	1,100	1,200	450	1,390	538	492
24	502	550	592	*1,660	5,820	1,040	1,340	1,000	475	1,000	534	492
25	497	542	592	1,460	4,540	975	1,250	850	475	805	534	508
26	497	538	587	1,250	2,700	888	1,180	1,100	475	705	538	512
27	*497	542	*592	1,140	1,660	805	1,130	850	500	680	588	520
28	533	556	816	1,080	1,380	780	1,090	750	500	888	632	516
29	800	545	2,330	1,030	-	730	1,060	650	500	755	632	508
30	569	542	2,950	1,000	-----	730	1,000	625	550	1,100	632	500
31	524	-----	3,520	972	-----	705	-----	500	-----	1,460	680	-----
Total	18,402	16,797	25,928	54,856	101,885	26,102	138,837	27,755	15,450	22,008	23,525	15,804
Mean	594	560	836	1,770	3,639	842	4,628	895	515	710	759	527
Cfsm	0.603	0.569	0.849	1.80	3.69	0.855	4.70	0.909	0.523	0.721	0.771	0.535
In.	0.69	0.63	0.98	2.07	3.85	0.99	5.24	1.05	0.58	0.83	0.89	0.60

Calendar year 1954: Max 3,520 Min 406 Mean 801 Cfsm 0.833 In. 11.04
Water year 1954-55: Max 40,000 Min 446 Mean 1,355 Cfsm 1.36 In. 18.40

Peak discharge (base, 7,000 cfs).--Feb. 8 (9:30 p.m.) 18,000 cfs (13.56 ft); Apr. 15 (5 a.m.) 48,000 cfs (18.26 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Apr. 22 to May 19, May 23 to July 22; discharge estimated on basis of 3 discharge measurements, weather records, and records for stations at Bush, La., and Tylertown, Miss.

Bogue Chitto near Bush, La.

Location.--Lat 30°37'45", long 89°53'50", in T. 5 S., R. 13 E., near center of span on downstream side of bridge on State Highway 21, 0.2 mile downstream from Gulf, Mobile, and Ohio Railroad bridge and 1.4 miles north of Bush.

Drainage area.--1,210 sq mi, approximately.

Records available.--October 1937 to September 1955.

Gage.--Water-stage recorder. Datum of gage is 44.25 ft above mean sea level, datum of 1929, supplementary adjustment of 1941 (levels by Corps of Engineers). Prior to Oct. 22, 1938, staff gage, Oct. 22, 1938, to Nov. 30, 1945, chain gage, and Dec. 1, 1945, to July 21, 1954, wire-weight gage, all at same site and datum.

Average discharge.--18 years, 1,932 cfs.

Extremes.--Maximum discharge during year, 41,800 cfs Apr. 16 (gage height, 15.43 ft); minimum, 460 cfs Sept. 22, 23; minimum gage height, 2.31 ft Oct. 5.
1937-55: Maximum discharge, 51,200 cfs Mar. 23, 1943 (gage height, 15.9 ft), from rating curve extended above 20,000 cfs on basis of records for station at Franklinton; minimum, 460 cfs Oct. 1, 1937, Sept. 22, 23, 1955; minimum gage height, 0.7 ft Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

Remarks.--Records good.

Rating tables, water year 1954-55 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Apr. 25 to May 21, May 23 to July 23, Aug. 1-10, Aug. 30 to Sept. 30)

Oct. 1 to Feb. 10

Feb. 11 to Sept. 30

2.3	530	9.0	4,520	2.1	480	10.0	6,500
3.0	755	10.0	6,520	3.0	745	11.0	10,500
5.0	1,540	11.0	10,500	4.0	1,120	12.0	16,500
7.0	2,620	12.0	16,500	6.0	2,200	14.0	30,800
8.0	3,380			8.0	3,700	15.1	39,300
				9.0	4,750		

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	605	620	620	3,290	1,120	1,900	780	1,200	658	610	1,450	710
2	590	605	620	3,870	1,080	1,720	798	1,140	640	745	1,250	710
3	590	590	620	3,260	1,040	1,550	815	1,060	625	658	*1,220	640
4	*575	668	605	2,130	1,000	1,450	980	960	610	595	1,220	625
5	545	895	620	1,640	1,500	1,500	1,080	868	595	565	1,220	610
6												
7	545	965	620	1,320	3,470	1,200	960	798	625	*535	1,100	595
8	545	808	605	1,200	5,390	1,120	*868	762	625	535	1,250	580
9	605	720	605	1,040	9,750	1,060	815	728	*595	520	1,160	580
10	590	685	620	1,000	14,200	1,020	832	710	580	535	960	550
11	635	650	635	965	16,200	980	1,550	710	580	520	1,080	535
12												
13	635	635	635	965	9,220	960	3,220	692	640	535	1,160	520
14	590	635	650	1,000	5,050	940	4,000	*675	692	580	960	520
15	1,100	620	860	1,120	3,290	920	4,950	658	640	610	850	505
16	1,920	620	1,040	1,120	2,550	902	7,550	658	610	625	815	505
17	1,720	605	895	1,040	2,140	*885	20,900	640	595	640	780	*505
18												
19	1,120	635	825	1,600	1,900	868	*39,300	625	580	728	745	505
20	895	685	790	3,160	1,720	850	21,800	815	550	710	728	505
21	755	702	825	4,230	1,550	832	8,400	920	550	780	710	505
22	702	685	842	4,680	1,450	832	4,620	762	535	710	675	490
23	650	755	790	4,520	1,350	832	3,300	832	535	710	675	490
24												
25	635	772	772	3,870	1,350	850	2,830	2,010	520	692	658	490
26	620	*702	738	3,210	1,550	960	2,550	2,900	505	710	625	475
27	605	650	720	2,600	*2,620	1,300	2,340	1,770	520	942	640	475
28	590	650	702	2,190	3,640	1,220	2,080	1,080	520	1,250	625	475
29	590	635	685	*1,970	4,400	1,100	1,840	1,000	550	1,040	610	490
30												
31	590	635	685	1,720	4,500	1,000	1,720	960	535	868	625	505
2	575	635	685	1,500	3,240	902	1,550	1,040	550	815	640	490
3	*805	650	*860	1,410	2,200	850	1,450	845	565	798	675	505
4	650	650	1,360	1,320		815	1,350	798	580	902	710	505
5	702	635	2,340	1,240	-----	798	1,250	728	535	850	692	490
6	668	-----	2,760	1,160	-----	798	-----	692	-----	1,220	675	-----
Total	22,742	20,397	26,629	65,340	108,470	32,714	146,458	30,016	17,440	22,533	27,163	16,085
Mean	734	680	659	2,108	3,874	1,055	4,882	968	581	727	876	536
Cfs/m	0.607	0.562	0.710	1.74	3.20	0.872	4.03	0.800	0.480	0.601	0.724	0.443
In.	0.70	0.63	0.82	2.01	3.33	1.01	4.50	0.92	0.54	0.69	0.83	0.49

Calendar year 1954: Max 3,450 Min 500 Mean 954 Cfs/m 0.788 In. 10.71
Water year 1954-55: Max 39,300 Min 475 Mean 1,488 Cfs/m 1.21 In. 16.47

Peak discharge (base, 8,000 cfs).--Feb. 10 (7 a.m.) 17,200 cfs (12.12 ft); Apr. 16 (10 a.m.) 41,800 cfs (15.43 ft).

* Discharge measurement made on this day.

For several years records of the water-surface elevation of many of the lakes in Florida have been collected by the Geological Survey under cooperative agreements with the Corps of Engineers and various State, county, and municipal agencies. Except for Lake Okeechobee these records have not been published but are available in the files of the district office of the Geological Survey in Ocala, Fla. The records for certain key lakes are based on water-stage recorders or once-daily readings of a staff gage by a local observer. The remainder of the records are based on twice-weekly to about once-monthly readings of a staff gage, depending on the amount of fluctuation in the lake elevation. The records are available in tabular form with monthly and yearly extremes indicated for each year of record.

The lakes for which records have been collected are listed in the following table. The maximum and minimum elevations shown in the table are in feet above mean sea level, except for a few lakes for which the datum of the gage has not been determined. Because of the effect of wind on lake stages, mean daily, rather than momentary, maximum and minimum elevations have been shown in the table. In certain of the lakes accurate and reliable data for extremes prior to the period of record are available and are listed below.

Lakes in Florida for which records are available

Lake	County	Elevation, in feet, above mean sea level		Records available
		Maximum daily	Minimum daily	
Adair, Lake, at Orlando.....	Orange	80.3	74.2	1942-55
Alligator Lake near Ashton.....	Osceola	66.4	60.8	1941-55
Annie, Lake, near Lake Placid.....	Highlands	115.1	110.6	1951-55
Apopka, Lake, at Winter Garden.....	Orange and Lake	68.9	64.5	1942-55
Aphawa, Lake, near Minneola.....	Lake	a3.1	a-0.3	1953-55
Arbuckle, Lake, near Avon Park.....	Polk	58.7	51.6	1941-55
Ariana, Lake, at Auburndale.....	Polk	a5.8	a2.1	1945-48
Bay Lake near Sulphur Springs.....	Hillsborough	46.7	43.0	1946-55
Bessie, Lake, at Windermere.....	Orange	101.7	96.5	1932-41
Big Lake Fairview at Orlando.....	Orange	a5.0	a1.6	1948-55
Butler, Lake, at Windermere.....	Orange	101.3	97.6	1933-55
Cannon, Lake, at Winter Haven.....	Polk	132.3	130.4	1946-48
Carroll, Lake, near Sulphur Springs.....	Hillsborough	40.1	34.2	1946-55
Clay, Lake, near Lake Placid.....	Highlands	79.4	76.9	1951-55
Clear Lake near Cocoa.....	Brevard	24.4	19.8	1954-55
Clinch, Lake, at Frostproof.....	Polk	110.2	102.8	1947-55
Concord, Lake, at Orlando.....	Orange	79.6	74.0	1942-50
Conine, Lake, at Florence Villa.....	Polk	130.6	128.3	1946-54
Conway, Lake, at Pine Castle.....	Orange	89.4	84.7	1952-55
Cooper, Lake, near Lutz.....	Hillsborough	62.5	58.8	1946-55
Corrine, Lake, near Orlando.....	Orange	92.9	90.3	1943-49
Crooked Lake near Babson Park.....	Polk	124.0	117.1	1945-55
Crystal Lake near Lakeland.....	Polk	a8.0	a1.8	1951-52
Cypress Lake near St. Cloud.....	Osceola	57.2	49.7	1942-55
Dead River near Tavares c/.....	Lake	b68.1	60.2	1942-55
Deer Lake at Winter Haven.....	Polk	141.0	138.7	1946-55
Delancy, Lake, near Eureka.....	Marion and Putnam	a2.8	a-1.3	1953-55
Dora, Lake, at Mount Dora.....	Orange and Lake	b65.8	b60.5	1942-55
East Tohopekaliga Lake at St. Cloud.....	Osceola	b62.2	53.1	1941-55
Ellen, Lake, near Sulphur Springs.....	Hillsborough	41.7	37.6	1946-55
Eloise, Lake, near Eloise.....	Polk	132.2	129.1	1945-52
Francis, Lake, near Lake Placid.....	Highlands	71.6	68.4	1954-55
Gentry, Lake, near St. Cloud.....	Osceola	63.1	59.3	1949-55
Grassy Lake near Lake Placid.....	Highlands	94.5	89.8	1951-55
Griffin, Lake, at Leesburg.....	Lake	60.4	57.6	1952-55
Hamilton, Lake, at Lake Hamilton.....	Polk	124.3	118.2	1945-55
Hanna Lake near Lutz.....	Hillsborough	62.9	57.7	1946-55
Hart Lake near Narcoossee.....	Orange	64.9	56.8	1941-55
Hartbridge, Lake, at Winter Haven.....	Polk	139.7	129.7	1946-55
Hatchineha, Lake, near Haines City.....	Polk	56.8	48.4	1942-55
Highland, Lake, at Orlando.....	Orange	79.5	73.0	1942-55
Hobbs, Lake, near Lutz.....	Hillsborough	68.1	63.6	1946-55
Howard, Lake, at Winter Haven.....	Polk	132.8	129.6	1945-55
Huntley, Lake, at Lake Placid.....	Highlands	84.9	81.8	1951-55
Istokpoga, Lake, near DeSoto City.....	Highlands	442.9	36.0	1936-55
Ivanhoe, Lake, at Orlando.....	Orange	78.5	73.1	1942-55
Jessie, Lake, near Auburndale.....	Polk	132.6	130.3	1946-54
Jessup, Lake, near Sanford.....	Seminole	b6.4	-0.6	1941-48
Johnson, Lake, near Keystone Heights.....	Clay	a9.6	a-1.8	1945-55
Josephine, Lake, near DeSoto City.....	Highlands	76.8	69.9	1946-55
June-in-Winter, Lake, near Lake Placid.....	Highlands	77.6	72.2	1945-55
Keene, Lake, near Lutz.....	Hillsborough	63.3	60.9	1948-55
Kerr, Lake, near Eureka.....	Marion	25.6	22.2	1950-52; 1955
Keystone, Lake, near Odessa.....	Hillsborough	43.2	38.4	1946-55
Kingsley, Lake, at Camp Blanding.....	Clay	177.8	174.5	1945-55
Kissimmee, Lake, near Lake Wales.....	Polk	56.6	46.7	1942-55
Letta, Lake, near Avon Park.....	Highlands	101.4	98.3	1951-55
Little Lake Fairview at Orlando.....	Orange	a4.9	a1.1	1948-55
Lochloosa, Lake, at Lochloosa.....	Alachua	61.9	56.0	1942-52
Lotela, Lake, near Avon Park.....	Highlands	109.4	104.5	1950-55
Lower Miakka Lake near Sarasota.....	Sarasota	18.2	-	1946-55
Lulu, Lake, near Winter Haven.....	Polk	132.3	130.3	1946-52
Magdalene, Lake, near Lutz.....	Hillsborough	50.2	46.2	1946-55
Maitland, Lake, at Winter Park.....	Orange	67.0	64.6	1946-52
Mariana, Lake, near Auburndale.....	Polk	137.8	134.7	1946-55
Mary Jane, Lake, near Narcoossee.....	Orange	64.0	58.8	1949-55
McOoy, Lake, at Lake Placid.....	Highlands	87.7	84.8	1951-55
Minnehaha, Lake, at Clermont.....	Lake	98.8	94.0	1945-55
Mirror, Lake, near Lake Placid.....	Highlands	94.9	90.6	1951-55
Mountain Lake near Lake Wales.....	Polk	116.8	108.6	1945-55

a Gage datum.

b Occurred prior to period of record.

c Dead River is equalizing channel between Lake Harris and Lake Eustis.

d Estimated.

Lakes in Florida for which records are available--Continued

Lake	County	Elevation, in feet, above mean sea level		Records available
		Maximum daily	Minimum daily	
Newnans Lake near Gainesville.....	Alachua	71.2	64.3	1945-52
Okeechobee, Lake, in Southern Florida c/.	Palm Beach	18.8	10.3	1931-55
Orange Lake near Boardman or at Orange Lake.	Alachua	61.6	52.7	1945-55
Otis, Lake, at Winter Haven.....	Polk	127.8	125.6	1954-55
Park Lake at Orlando.....	Orange	90.6	85.7	1942-55
Parker, Lake, at Lakeland.....	Polk	131.8	127.9	1950-55
Pearl, Lake, at Lake Placid.....	Highlands	88.1	85.3	1951-55
Pebble Lake near Keystone Heights.....	Clay	a15.2	a-11.8	1945-55
Placid, Lake, near Lake Placid.....	Highlands	95.6	90.0	1945-55
Platt, Lake, near Lutz.....	Hillsborough	51.4	46.9	1946-55
Poinsett, Lake, near Cocoa.....	Brevard	17.6	8.0	1941-55
Reedy Lake near Frostproof.....	Polk	80.4	77.3	1945-48
Rex Beach Lake at Sebring.....	Highlands	103.8	99.6	1945-55
Rochelle, Lake, at Lake Alfred.....	Polk	129.9	126.4	1946-55
Rowena, Lake, at Orlando.....	Orange	74.8	71.0	1942-45
Savannah at Fort Pierce.....	St. Lucie	17.0	7.4	1944-52
Savannah at Walton.....	St. Lucie	16.4	9.6	1944-49
Savannah at White City.....	St. Lucie	16.9	10.0	1944-50
Scott Lake near Lakeland.....	Polk	168.2	163.8	1953-55
Seminole Lake near Largo.....	Pinellas	7.4	4.0	1950-55
Shipp, Lake, at Winter Haven.....	Polk	132.4	130.4	1946-52
Sirena, Lake, at Lake Placid.....	Highlands	88.0	83.8	1951-55
Speir, Lake, near Orlando.....	Orange	95.2	88.6	1943-49
Spring Lake at Orlando.....	Orange	90.0	86.5	1942-55
Stemper, Lake, near Lutz.....	Hillsborough	62.0	58.7	1946-55
Sue, Lake, at Orlando.....	Orange	73.8	71.0	1946-55
Susannah, Lake, near Orlando.....	Orange	97.0	94.6	1943-49
Tarpon, Lake, near Tarpon Springs.....	Pinellas	6.4	1.2	1945-55
Tohopekaliga, Lake, at Kissimmee.....	Osceola	58.6	50.6	1942-55
Trafford, Lake, near Immokalee.....	Collier	22.6	15.7	1941-55
Tsala Apopka, Lake, at Inverness.....	Citrus	39.3	36.6	1936-43
Underhill, Lake, at Orlando.....	Orange	98.9	94.8	1942-49
Upper Mialcka Lake near Sarasota.....	Sarasota	19.3	12.0	1946-55
Ward Lake near Bradenton.....	Manatee	a5.6	a-2.6	1945-47
Washington, Lake, near Eau Gallie.....	Brevard	20.1	13.0	1942-55
Weir, Lake, at Oklawaha.....	Marion	b59.6	55.3	1942-55

a Gage datum.

b Occurred prior to period of record.

c Daily elevations published in annual water-supply papers.

Measurements of streamflow in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River made at points other than regular gaging stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. Measurements believed to have been made under base-flow conditions are identified by an asterisk (*) to the left of the discharge figure. These measurements when correlated with the simultaneous discharge of a nearby stream where continuous records are available will give a picture of the low-flow potentiality of stream. The column headed "Measured previously" shows the water years in which measurements were made at the same, or practically the same, site.

Determinations of peak flow at points other than regular gaging stations are given in a separate table on page

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955

Ogeechee River basin, Ga.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
North Fork Ogeechee River.	Ogeechee River.	Lat 33°31', long 82°54', at bridge on State Highway 22, 2½ miles south of Crawfordville.	27.9	1943, 1944, 1953	Oct. 6	0
South Fork Ogeechee River	....do.....	Lat 33°31', long 82°55', at bridge on State Highway 22, 2½ miles south of Crawfordville.	33.0	1951, 1953	Oct. 6	*.36
Long Creek...	....do.....	Lat 33°22', long 82°45', at bridge on county road, 6 miles southwest of Warrenton.	13.0	1953	Oct. 4	0
Fowler Branch	Long Creek...	Lat 33°19', long 82°44', at bridge on State Highway 16, 7½ miles south of Warrenton.	.94		Oct. 14	0
Long Creek...	Ogeechee River.	Lat 33°19', long 82°46', at bridge on county road, 1 mile northeast of Jewell and 3¼ miles north of Shoals.	34.0	1943, 1953	Oct. 4	0
Ogeechee River.	Atlantic Ocean.	Lat 33°18', long 82°47', at bridge on State Highway 16, at Jewell.	240	1951, 1953	Oct. 14	*.50
Do.....	....do.....	Lat 32°59', long 82°26', at bridge on State Highway 24, 1½ miles southwest of Louisville.	495	1944, 1953	Oct. 13	*19.2
Rocky Comfort Creek.	Ogeechee River.	Lat 33°25', long 82°43', at bridge on State Highway 24, 3¼ miles west of Warrenton.	15.0	1953	Oct. 4	0
Do.....	....do.....	Lat 33°23', long 82°41', at bridge on State Highway 16, 2½ miles southwest of Warrenton.	27.0	1943, 1951, 1953	Oct. 4	0
Goldens Creek	Rocky Comfort Creek.	Lat 33°24', long 82°40', at bridge on State Highway 12, at Warrenton.	7.1	1953	Oct. 4	0
Rocky Comfort Creek.	Ogeechee River.	Lat 33°15', long 82°36', at bridge on State Highway 80, 1 mile north of Gibson.	94.0	1944, 1953	Oct. 13	*.30
Duhart Creek.	Rocky Comfort Creek.	Lat 33°13', long 82°29', at bridge on State Highway 80, 1 mile west of Stapleton.	3.17		Oct. 6	*1.86
Rocky Comfort Creek.	Ogeechee River.	Lat 33°00', long 82°25', at bridge on State Highway 24, 0.7 mile southwest of Louisville.	286	1944, 1951, 1953	Oct. 13	*46.7
Ogeechee River.	Atlantic Ocean.	Lat 32°58', long 82°23', at bridge on State Highway 4, 2½ miles southeast of Louisville.	801	1953	Oct. 13	*59.3
Big Creek....	Ogeechee River.	Lat 33°11', long 82°25', at bridge on Penns Bridge Road, 3 miles southwest of Wrens.	8.07	1953	Oct. 6	*2.40
Do.....	....do.....	Lat 33°03', long 82°22', at bridge on Middle Ground Road, 4½ miles northeast of Louisville.	56.9	1943, 1944, 1953	Oct. 6	*4.74
Unnamed tributary.	Big Creek....	Lat 33°02', long 82°22', at bridge on Middle Ground Road, 4 miles northeast of Louisville.	2.31	1953	Oct. 6	*.08
Big Creek....	Ogeechee River.	Lat 32°54', long 82°21', at bridge on State Highway 17, 3½ miles southeast of Louisville.	95.8	1951	Oct. 13	*23.6
Salter Branch	Williamson Swamp Creek.	Lat 32°53', long 82°30', at bridge on county road, 1 mile southeast of Bartow.	5.4	1953	Oct. 15	*.08
Williamson Swamp Creek.	Ogeechee River.	Lat 32°52', long 82°28', at bridge on State Highway 78, 0.4 mile southwest of Bartow.	185	1944, 1951, 1953	Oct. 15	*17.1
Nails Creek..	Williamson Swamp Creek.	Lat 32°51', long 82°29', at bridge on State Highway 78, 1½ miles south of Bartow.	5.7	1953	Oct. 15	0
Gray Coat Creek.	....do.....	Lat 32°52', long 82°27', at bridge on State Highway 78, 1½ miles east of Bartow.	9.0	1953	Oct. 15	0
Williamson Swamp Creek.	Ogeechee River.	Lat 32°51', long 82°24', at bridge on State Highway 4, 1½ miles south of Wadley.	232	1951, 1953	Oct. 15	*21.7
Rocky Creek..	....do.....	Lat 32°49', long 82°24', at bridge on State Highway 4, 4 miles south of Wadley.	11	1951, 1953	Oct. 15	0
Chew Mill Creek.	....do.....	Lat 34°49', long 82°05', at bridge on State Highway 17, 2½ miles northeast of Herndon.	23	1954	Nov. 1	*3.58

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Ogeechee River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Big Dukes Pond Creek.	Ogeechee River.	Lat 34°48', long 82°01', at bridge on State Highway 17, 4½ miles west of Millen.	20	1954	Nov. 1	0
Rocky Creek..	Buckhead Creek.	Lat 33°04', long 82°06', at bridge on State Highway 24, 5 miles southwest of Waynesboro.	31.7	1953	Oct. 5	*.12
Do.....	.....do.....	Lat 33°02', long 82°06', at bridge on State Highway 56, 6 miles southwest of Waynesboro.	34.8	1944,1953	Oct. 5	0
Buckhead Creek.	Ogeechee River.	Lat 32°58', long 82°07', at bridge on State Highway 56, 10½ miles southwest of Waynesboro.	63.7	1944,1953	Oct. 5	0
Richardson Creek.	.....do.....	Lat 32°43', long 82°02', at bridge on State Highway 23, 1½ miles northeast of Thrift.	11		Oct. 26	0
Unnamed tributary.	Upper Black Creek.	Lat 32°21', long 81°39', at bridge on State Highway 26, 2½ miles southeast of Brooklet.	12.1		Oct. 26	0
Pole Branch.	Iris Creek...	Lat 32°19', long 81°34', at bridge on State Highway 26, ½ mile south of Stilson.	-		Oct. 26	0
Caney Branch.	Black Creek..	Lat 32°14', long 81°31', at bridge on State Highway 26, 6½ miles south of Stilson.	9.53		Oct. 26	0
Mill Creek...	.....do.....	Lat 32°09', long 81°30', at bridge on State Highway 30, 6 miles southwest of Eldorado.	29.2		Oct. 26	0
Canoochee River.	Ogeechee River.	Lat 32°36', long 82°15', at bridge on State Highway 26, 4½ miles east of Swainsboro.	54	1951-52, 1954	Oct. 27	0
Reedy Creek..	Little Canoochee River.	Lat 32°35', long 82°12', at bridge on State Highway 26, 7½ miles east of Swainsboro.	10		Oct. 26	0

Altamaha River basin, Ga.

Sugar Creek..	South River..	Lat 33°42', long 84°18', at bridge on Clifton Church Road, 2½ miles east of Constitution.	8.8	1954	Sept. 9	*2.67
Indian Creek.	Snapping Creek.	Lat 33°46', long 84°13', at bridge on Indian Creek Road, east of Decatur.	4.60	1950-54	Sept. 9	*.89
Snapping Creek.	South River..	Lat 33°44', long 84°11', at bridge on State Highway 12, east of Decatur.	28	1943, 1953-54	Sept. 9	*6.25
Pole Bridge Creek.	.....do.....	Lat 33°43', long 84°08', at bridge on State Highway 12, west of Lithonia.	3.4	1954	Sept. 9	*.83
Yellow River.	Ocmulgee River.	Lat 34°00', long 83°59', at bridge on State Highway 20, 3 miles north of Lawrenceville.	2.09	1952,1954	Oct. 13 Sept.22	0 0
Do.....	.....do.....	Lat 33°59', long 84°01', at bridge on county road, 2½ miles northwest of Lawrenceville.	6.08	1952,1954	Oct. 14	0
Little Suwannee Creek.	Yellow River.	Lat 34°01', long 84°01', at bridge on county road, 4 miles southeast of Suwannee.	4.99	1952,1954	Oct. 13	0
Ager Creek...	Little Suwannee Creek.	Lat 34°00', long 84°02', at bridge on county road, 4 miles southeast of Suwannee.	3.17	1952,1954	Oct. 13	0
Little Suwannee Creek.	Yellow River.	Lat 34°00', long 84°01', at bridge on county road, 3½ miles northwest of Lawrenceville.	9.62	1952,1954	Oct. 13 Sept.13	0 0
Yellow River.	Ocmulgee River.	Lat 33°59', long 84°01', at bridge on county road, 2½ miles northwest of Lawrenceville.	17.7	1952,1954	Oct. 14 Sept.22	*.06 *.24
Do.....	.....do.....	Lat 33°58', long 84°02', at bridge on State Highway 120, 2½ miles west of Lawrenceville.	19.1	1952,1954	Oct. 4 Oct. 14 Sept.21	0 0 *.17
Wolf Creek...	Yellow River.	Lat 34°00', long 84°03', at bridge on county road, 4½ miles northwest of Lawrenceville.	1.83	1952,1954	Oct. 4 Oct. 13	0 *.09
Do.....	.....do.....	Lat 33°58', long 84°02', at bridge on State Highway 120, 3 miles west of Lawrenceville.	3.84	1952,1954	Oct. 14 Sept.21	*.15 *.42
Yellow River.	Ocmulgee River.	Lat 33°57', long 84°02', at bridge on county road, 3 miles west of Lawrenceville.	25.3	1952,1954	Oct. 14 Sept.21	0 *.32
Do.....	.....do.....	Lat 33°57', long 84°03', at bridge on county road, 3½ miles west of Lawrenceville.	26.5	1952,1954	Oct. 14 Sept.21	0 *.24
Do.....	.....do.....	Lat 33°56', long 84°03', at bridge on State Highway, 3½ miles southwest of Lawrenceville.	28.0	1943,1951 1952,1954	Oct. 7 Oct. 14 Sept.21	0 0 *.19
Redland Creek	Pew Creek....	Lat 33°57', long 84°02', at bridge on State Highway 8, 2½ miles southwest of Lawrenceville.	3.11	1952,1954	Oct. 14 Sept.21	*.27 *.43
Unnamed tributary.	Yellow River.	Lat 33°55', long 84°02', at bridge on county road, 4½ miles southwest of Lawrenceville.	5.99	1952,1954	Oct. 4 Oct. 14 Sept.21	*.52 *.34 *.36

* Base flow

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Altamaha River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Yellow River.	Ocmulgee River.	Lat 33°55', long 84°03', at bridge on county road, 1 mile east of Gloster.	43.5	1952,1954	Oct. 14 Sept. 21	*0.79 *.49
Do.....	.....do.....	Lat 33°54', long 84°04', at bridge on county road, 0.5 mile south of Gloster.	45.1	1952,1954	Oct. 7 Oct. 14 Sept. 21	*.29 *.70 *.59
Bankstan Creek.	Yellow River.	Lat 33°54', long 84°04', at bridge on county road, 1 mile south of Gloster.	4.32	1952,1954	Oct. 14 Sept. 21	*.29 *.09
Fork Creek...	.....do.....	Lat 33°55', long 84°05', at bridge on county road, 0.8 mile west of Gloster.	2.34	1952,1954	Oct. 14 Sept. 21	*.12 *.11
Knox Creek...	Sweetwater Creek.	Lat 33°59', long 84°08', at bridge on State Highway 120, 1½ miles southeast of Duluth.	1.48	1952,1954	Oct. 4 Oct. 14 Sept. 20	*.01 *.03 *.49
Fork Creek...	.....do.....	Lat 33°58', long 84°06', at bridge on State Highway, 3½ miles southeast of Duluth.	1.96	1954	Oct. 14 Sept. 20	*.02 *.13
Sweetwater Creek.	Yellow River.	Lat 33°57', long 84°06', at bridge on county road, 4½ miles south-east of Duluth.	19.5	1954	Oct. 14	*.16
Beaver Ruin Creek.	Sweetwater Creek.	Lat 33°56', long 84°12', at bridge on county road, 1½ miles south-east of Norcross.	2.34	1952,1954	Oct. 14 Sept. 20	.12 *.28
Do.....	.....do.....	Lat 33°56', long 84°10', at bridge on county road, 2½ miles south-east of Norcross.	5.75	1952,1954	Oct. 14	*.28
Unnamed tributary.	Beaver Ruin Creek.	Lat 33°56', long 84°09', at bridge on county road, 4 miles east of Norcross.	9.45	1952,1954	Oct. 14 Sept. 19	*.42 *.59
Sweetwater Creek.	Yellow River.	Lat 33°56', long 84°06', at bridge on State Highway 8, 7 miles southwest of Lawrenceville.	48.1	1951-52, 1954	Oct. 7 Oct. 14 Sept. 20	*0 *0 *1.80
Jackson Creek	Sweetwater Creek.	Lat 33°53', long 84°11', at bridge on county road, 4½ miles south-east of Norcross.	3.83	1952,1954	Oct. 4 Oct. 14 Sept. 20	*.41 *.49 *.54
Do.....	.....do.....	Lat 33°53', long 84°10', at bridge on county road, 4½ miles south-east of Norcross.	5.75	1952,1954	Oct. 14 Sept. 20	*.35 *.63
Pumpkin Vine Creek.	Jackson Creek	Lat 33°59', long 84°10', at bridge on county road, 3½ miles south-east of Norcross.	1.73	1952,1954	Oct. 14 Sept. 20	*.22 *.34
Jackson Creek	Sweetwater Creek.	Lat 33°54', long 84°09', at bridge on county road, 5 miles south-east of Norcross.	9.66	1952,1954	Oct. 14 Sept. 20	*.33 *.80
Camp Creek...	Jackson Creek	Lat 33°53', long 84°08', at bridge on county road, 6½ miles south-east of Norcross.	5.55	1952,1954	Oct. 4 Oct. 14 Sept. 20	*.61 *.62 *.61
Jackson Creek	Sweetwater Creek.	Lat 33°53', long 84°07', at bridge on county road, 6½ miles south-east of Norcross.	18.8	1952,1954	Oct. 14 Sept. 9	*.74 *1.98
Yellow River.	Ocmulgee River.	Lat 33°53', long 84°05', at bridge on county road, 1½ miles south-west of Gloster.	124	1952,1954	Oct. 14	*1.61
Do.....	.....do.....	Lat 33°52', long 84°05', at bridge on county road, 3½ miles west of Snellville.	126	1952,1954	Oct. 14 Sept. 9	*2.01 *7.91
Stone Mountain Creek.	Yellow River.	Lat 33°49', long 84°08', at bridge on U. S. Highway 78, 1½ miles east of Stone Mountain.	9.2	1950-51, 1953	Sept. 9	*.72
Crooked Creek	Stone Mountain Creek.	Lat 33°46', long 84°07', at bridge on Stephenson Road, 4 miles north of Lithonia.	7.0	1953-54	Sept. 9	*1.29
Big Haynes Creek.	Yellow River.	Lat 33°52', long 83°58', at bridge on State Highway 10, 1½ miles east of Snellville.	7.99		Sept. 22	*.87
Gum Creek....	.....do.....	Lat 33°38', long 83°54', at bridge on county road, 3¼ miles north-west of Covington.	31		Oct. 13	*1.69
Alcovy River.	Ocmulgee River.	Lat 33°59', long 83°57', at bridge on county road, 3 miles north-east of Lawrenceville.	4.0		Oct. 6 Sept. 22	*.11 *.66
Cedar Creek..	Alcovy River.	Lat 33°58', long 83°57', at bridge on county road, 2½ miles north-east of Lawrenceville.	4.6		Oct. 6	*.19
West Bear Creek.	Bear Creek...	Lat 33°31', long 83°47', at bridge on State Highway 213, 3¼ miles west of Mansfield.	7.5		Oct. 13	*.48
Tusshaw Creek.	Branch Creek.	Lat 33°23', long 83°58', at bridge on county road, 5½ miles north of Jackson.	59	1943	Oct. 4	*1.52
Yellow River Creek.	Ocmulgee River	Lat 33°18', long 83°51', at bridge on State Highway 16, 6¼ miles east of Jackson.	28	1943,1953	Oct. 4	*1.00
Hopoethyloholo Creek.	Big Sandy Creek.	Lat 33°15', long 84°01', at culvert on State Highway 36, 3½ miles southwest of Jackson.	5.4	1953	Oct. 5	*.19

* Base flow

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Altamaha River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Aboothla-coosta Creek.	Big Sandy Creek.	Lat 33°16', long 83°58', at bridge on county road, 2 miles south of Jackson.	3.4	1953	Oct. 5	*0.39
Towaliga River.	Ocmulgee River.	Lat 33°16', long 84°04', at bridge on State Highway 16, 6½ miles west of Jackson.	105	1943, 1953	Oct. 4	*5.69
Cabin Creek..	Towaliga River.	Lat 33°14', long 84°04', at bridge on county road, 7½ miles southwest of Jackson.	33		Oct. 4	*2.76
Rocky Creek..	.....do.....	Lat 33°07', long 83°57', at bridge on county road, 2½ miles north of Forsyth.	26.5		Oct. 5	*.57
Caney Creek..	Ocmulgee River.	Lat 33°02', long 83°43', at bridge on county road, 1½ miles northeast of Dames Ferry.	108	1943	Oct. 7 Sept. 23	0 *.24
Walkers Branch.	Rum Creek....	Lat 33°04', long 83°55', at bridge on State Highway 85, 3¼ miles northeast of Forsyth.	4.9	1943, 1953	Oct. 6	*.19
Rum Creek....	Ocmulgee River.	Lat 33°00', long 83°45', at bridge on State Highway 87, 1 mile south of Popes Ferry.	74	1951	Oct. 5	*.29
Tobler Creek.	.....do.....	Lat 32°58', long 83°44', at bridge on State Highway 87, 4½ miles northeast of Bolingbroke.	9.3		Oct. 5	0
Beaverdam Creek.	.....do.....	Lat 32°55', long 83°43', at bridge on State Highway 87, 8 miles northwest of Macon.	12		Nov. 4 Sept. 22	*.42 *.58
Walnut Creek.	.....do.....	Lat 32°59', long 83°37', at bridge on State Highway 18, 5½ miles southwest of Gray.	29		Oct. 7 Sept. 23	0 *4.60
Bonner Creek.	Walnut Creek.	Lat 32°59', long 83°34', at bridge on State Highway 11, 2½ miles southwest of Gray.	4.2		Oct. 7 Sept. 23	*.07 *.70
Walnut Creek.	Ocmulgee River.	Lat 32°53', long 83°37', at bridge on State Highway 11, 3 miles north of Macon.	79	1943-44, 1951	Nov. 4 Sept. 22	0 *8.26
Swift Creek..	.....do.....	Lat 32°48', long 83°34', at crossing of Macon, Dublin & Savannah RR., 4¼ miles east of Macon.	11	1943, 1951, 1953	Nov. 4 Sept. 22	*6.35 *5.64
Stone Creek..	.....do.....	Lat 32°46', long 83°32', at bridge on county road, 5½ miles east of Macon.	31	1953	Nov. 4 Sept. 22	*4.46 *3.65
Tobesofkee Creek.	.....do.....	Lat 33°01', long 84°01', at bridge on county road, 5 miles west of Forsyth.	27.7		Oct. 6	*.03
Todd Creek...	Tobesofkee Creek.	Lat 33°01', long 83°58', at bridge on State Highway 83, 1½ miles southwest of Forsyth.	7.07		Oct. 5	*.36
Little Tobesofkee Creek.	.....do.....	Lat 32°57', long 84°03', at bridge on State Highway 83, 8¼ miles southwest of Forsyth.	17	1943-44	Oct. 6	*.08
Do.....	.....do.....	Lat 32°55', long 83°58', at bridge on State Highway 42, 8 miles south of Forsyth.	30.5	1953	Oct. 6	*.62
Yellow Creek.	Little Tobesofkee Creek.	Lat 32°56', long 83°57', at bridge on State Highway 42, 6½ miles south of Forsyth.	9.0	1953	Oct. 6	*1.29
Rocky Creek..	Tobesofkee Creek.	Lat 33°58', long 83°45', at bridge on county road, 2 miles southwest of Wesleyan College.	20.7	1953	Nov. 4 Sept. 22	0 *.23
Wolf Creek...	Rocky Creek..	Lat 33°52', long 83°43', at bridge on county road, 0.8 mile south of Wesleyan College.	4.4	1953	Nov. 4 Sept. 22	*.19 *.16
Rocky Creek..	Tobesofkee Creek.	Lat 32°49', long 83°42', at bridge on State Highway 22, at Macon.	37	1944, 1951, 1953	Nov. 4 Sept. 23	*.48 *.61
Echeconnee Creek.	Ocmulgee River.	Lat 32°54', long 84°05', at bridge on State Highway 7, 2½ miles north of Culloden.	19	1943	Oct. 6	*.83
Do.....	.....do.....	Lat 32°53', long 83°59', at bridge on State Highway 42, at Dyas.	50.2	1953	Oct. 6	*2.65
Little Echeconnee Creek.	Echeconnee Creek.	Lat 32°48', long 83°57', at bridge on State Highway 42, 6½ miles northeast of Roberta.	10		Oct. 22	0
Echeconnee Creek.	Ocmulgee River.	Lat 32°46', long 83°50', at bridge on county road, 10½ miles east of Roberta.	196	1953	Nov. 5 Sept. 23	*4.80 *4.73
Do.....	.....do.....	Lat 32°42', long 83°42', at bridge on State Highway 11, 8½ miles south of Macon.	-	1944	Sept. 23	*58.3
Flat Creek...	.....do.....	Lat 32°36', long 83°29', at bridge on State Highway 87, 4½ miles north of Tarversville.	36	1944	Nov. 4	*1.60
Savage Creek.	.....do.....	Lat 32°35', long 83°28', at bridge on State Highway 87, 4 miles north of Tarversville.	33	1944	Nov. 4	*1.36
Richland Creek.	Savage Creek.	Lat 32°34', long 83°27', at bridge on State Highway 87, 1½ miles north of Tarversville.	19	1944	Nov. 4	*.63

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Altamaha River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Shellstone Creek.	Ocmulgee River.	Lat 32°31', long 83°26', at bridge on State Highway 87, 2½ miles south of Taversville.	28	1944	Nov. 4	*1.14
South Shellstone Creek.	Shellstone Creek.	Lat 32°25', long 83°22', at bridge on State Highway 87, 2½ miles north of Cochran.	42		Nov. 4	0
Big Indian Creek.	Ocmulgee River.	Lat 32°21', long 83°55', at bridge on State Highway 49, 3 miles southwest of Port Valley.	14		Oct. 20	0
Mossy Creek..	Big Indian Creek.	Lat 32°35', long 83°51', at bridge on State Highway 49, 3 miles northeast of Port Valley.	34		Oct. 20	*7.29
Mule Creek...	Mossy Creek..	Lat 32°36', long 83°46', at bridge on State Highway 49, 4½ miles southwest of Byron.	18		Oct. 20	0
Mossy Creek..	Big Indian Creek.	Lat 32°33', long 83°46', at bridge on county road, 7½ miles east of Port Valley.	82	1944	Oct. 20	*32.8
Unnamed tributary.	Jordan Creek.	Lat 32°24', long 83°22', at bridge on county road, at Cochran.	6.1		Nov. 4	0
Do.....	Limestone Creek.	Lat 32°20', long 83°19', at bridge on State Highway 257, 4½ miles south of Cochran.	16		Nov. 4	*.89
Horse Creek..	Big Horse Creek.	Lat 31°52', long 82°58', at bridge on State Highway 31, 5½ miles north of Jacksonville.	69		Oct. 15	0
Boggy Creek..	Horse Creek..	Lat 31°56', long 82°57', at bridge on State Highway 31, 8½ miles northeast of Jacksonville.	1.3		Oct. 15	0
Alligator Creek.	Big Horse Creek.	Lat 31°52', long 82°59', at bridge on State Highway 31, 3½ miles north of Jacksonville.	27		Oct. 15	0
Unnamed tributary.	....do.....	Lat 31°58', long 82°56', at bridge on State Highway 31, 8 miles south of McRae.	.63		Oct. 15	0
Do.....	....do.....	Lat 31°57', long 82°56', at bridge on State Highway 31, 8½ miles south of McRae.	2.9		Oct. 15	0
Alligator Creek.	Little Ocmulgee River.	Lat 32°11', long 82°54', at bridge on State Highway 31, 6½ miles north of McRae.	128	1951,1954	Oct. 15	0
Sugar Creek..	Turnpile Creek.	Lat 32°03', long 82°55', at bridge on State Highway 30, 1 mile south of McRae.	66	1951,1954	Oct. 15	0
Turnpile Creek.	Little Ocmulgee River.	Lat 31°59', long 82°55', at bridge on State Highway 31, 5½ miles south of McRae.	47		Oct. 15	0
Oconee River.	Altamaha River.	Lat 34°20', long 83°45', at bridge on U. S. Highway 23, 5 miles northeast of Gainesville.	14	1953	Oct. 15	*5.85
Do.....	....do.....	Lat 34°14', long 83°34', at bridge on county road, 1½ miles south of Mayesville.	70	1943,1951, 1953	Oct. 18	*15.6
Border Creek.	Oconee River.	Lat 34°11', long 83°29', at bridge on State Highway 15, 2 miles southwest of Commerce.	3.5		Oct. 18	*.74
Roger Creek..	Border Creek.	Lat 34°09', long 83°28', at bridge on county road, 3½ miles south of Commerce.	2.0		Oct. 18	*.78
Little Curry Creek.	Big Curry Creek.	Lat 34°07', long 83°31', at bridge on county road, 3 miles east of Jefferson.	3.8	1953	Oct. 18	*.82
Sandy Creek..	Oconee River.	Lat 33°59', long 83°23', at bridge on State Highway 24, at Athens.	61	1943,1951, 1953	Oct. 4	*2.55
West Fork Trail Creek.	Trail Creek..	Lat 33°58', long 83°21', at bridge on county road, at Athens.	4.4	1953	Oct. 4	*.58
Oconee River.	Altamaha River.	Lat 33°57', long 83°22', 1 1/3 miles downstream from Seaboard Air Line RR. bridge, at Athens.	283	1953	Oct. 12	*21.8
Pond Fork....	Middle Oconee River.	Lat 34°11', long 83°40', at bridge on county road, 1½ miles northeast of Pendergrass.	24		Oct. 18	*3.70
Allen Creek..	Pond Fork....	Lat 34°12', long 83°45', at bridge on county road, 1½ miles east of Candler.	12	1953	Oct. 15	*2.19
Unnamed tributary.	Walnut Creek.	Lat 34°10', long 83°47', at bridge on county road, 2½ miles south of Candler.	4.2	1953	Oct. 15	*.85
Middle Oconee River.	Oconee River.	Lat 34°06', long 83°36', at bridge on State Highway 11, 2½ miles southwest of Jefferson.	128	1951,1953	Oct. 18	*13.4
Mulberry River.	Middle Oconee River.	Lat 34°07', long 83°52', at bridge on county road, 5½ miles southeast of Flowery Branch.	13	1953	Oct. 15	*1.19
Mulberry Creek.	Mulberry River.	Lat 34°08', long 83°52', at bridge on county road, 5 miles southeast of Flowery Branch.	13	1953	Oct. 15	*1.18
Mulberry River.	Middle Oconee River.	Lat 34°08', long 83°49', at bridge on State Highway 211, 7 miles southeast of Flowery Branch.	43	1953	Oct. 15	*3.82

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Altamaha River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Rock Creek...	Little Mulberry River.	Lat 34°02', long 83°50', at bridge on county road, 1½ miles north of Auburn.	7.3		Oct. 1	*0.20
Mulberry River.	Middle Oconee River.	Lat 34°03', long 83°43', at bridge on State Highway 53, 4½ miles north of Winder.	117	1951	Oct. 1	*9.36
Bear Creek...	....do.....	Lat 33°53', long 83°34', at bridge on county road, 2 miles north-east of Statham.	3.8		Oct. 1	*1.03
Barber Creek.	....do.....	Lat 33°56', long 83°36', at bridge on county road, 1½ miles south of Statham.	8.8		Oct. 1	*2.67
Shoal Creek..	Oconee River.	Lat 33°56', long 83°17', at bridge on State Highway 10, 2½ miles south of Winterville.	7.8	1953	Oct. 1	*.69
Greenbrier Creek.	....do.....	Lat 33°48', long 83°25', at bridge on county road, 1½ miles north of Farmington.	4.0		Oct. 4	*.53
Williamson Creek.	Apalachee River.	Lat 33°58', long 83°48', at bridge on county road, 2½ miles south-east of Carl.	4.2		Oct. 1	*1.11
Apalachee River.	Oconee River.	Lat 33°54', long 83°43', at bridge on State Highway 11, 2½ miles south of Bethlehem.	54	1943,1954	Oct. 1	*8.77
Big Robinson Creek.	Apalachee River.	Lat 33°48', long 83°29', at bridge on county road, 2½ miles west of Bishop.	17		Oct. 4	*2.23
Wolf Creek..	....do.....	Lat 33°44', long 83°25', at bridge on county road, 3 miles south of Farmington.	3.6		Oct. 4	*.22
Shoulder-bone Creek.	Oconee River.	Lat 33°20', long 83°05', at bridge on State Highway 16, 7 miles northwest of Sparta.	98	1943	Oct. 12	*.10
Gladly Creek..	Cedar Creek..	Lat 33°08', long 83°31', at bridge on county road, 7½ miles north of Gray.	81.4		Sept.23	*1.37
Hog Creek....	....do.....	Lat 33°07', long 83°31', at bridge on county road, 7½ miles north of Gray.	18	1943,1953	Oct. 11 Sept.23	*.12 *3.03
Cedar Creek..	Little River.	Lat 33°11', long 83°26', at bridge on State Highway 44, 10 miles south of Eatonton.	125	1951-54	Oct. 11 Sept.23	*.06 *7.42
Champion Creek.	Oconee River.	Lat 33°07', long 83°11', at bridge on county road, 3½ miles north-east of Milledgeville.	5.4	1953	Oct. 12 Sept.22	*.14 *.70
Gantry Creek.	Champion Creek.	Lat 33°07', long 83°11', at bridge on county road, 3 miles north-east of Milledgeville.	3.66	1953	Sept.22	*.20
Unnamed tributary.	Tobler Creek.	Lat 33°07', long 83°13', at bridge on county road, near Milledgeville.	-		Oct. 12	*.02
Tobler Creek.	Oconee River.	Lat 33°07', long 83°13', at bridge on county road, at Milledgeville.	92	1953	Oct. 12 Sept.22	0 *0
Fishing Creek	....do.....	Lat 33°05', long 83°20', at bridge on State Highway 22, 6½ miles west of Milledgeville.	11	1952	Oct. 11 Sept.22	*.38 *.28
Do.....	....do.....	Lat 33°05', long 83°16', at bridge on county road, 2½ miles west of Milledgeville.	60	1951-52	Oct. 11 Sept.22	*.03 *2.80
Do.....	....do.....	Lat 33°04', long 83°15', at bridge on State Highway 49, at Milledgeville.	62	1944,1948, 1951	Oct. 11	*.10
Camp Creek...	....do.....	Lat 33°02', long 83°14', at bridge on State Highway 29, at Midway.	28	1943,1951, 1952	Oct. 12 Sept.22	*.26 *1.39
Town Creek...	....do.....	Lat 33°00', long 83°05', at bridge on State Highway 24, 10½ miles southeast of Milledgeville.	-	1943	Sept.22	*6.40
Buffalo Creek	....do.....	Lat 33°02', long 82°58', at bridge on county road, 2 miles east of Linton.	93	1943-44, 1951	Oct. 12	*1.15
Keg Creek....	Buffalo Creek	Lat 33°01', long 82°54', at bridge on county road, 5½ miles north-west of Sandersville.	74	1943,1951	Nov. 6	*2.30
Sandy Hill Creek.	....do.....	Lat 32°51', long 82°56', at bridge on State Highway 24, 8½ miles west of Sandersville.	35		Nov. 6	*.84
Wolf Creek	Commissioner Creek.	Lat 33°01', long 83°31', at bridge on State Highway 22, at Gray.	1.5	1952-53	Oct. 7 Sept.22	*.04 *.36
Commissioner Creek.	Oconee River.	Lat 32°59', long 83°25', at bridge on State Highway 49, 6½ miles southeast of Gray.	37	1943, 1951-53	Oct. 7	*.46
Slash Creek..	Little Commissioner Creek.	Lat 32°54', long 83°27', at bridge on county road, at Mountain Springs, 8½ miles southeast of Gray.	10		Sept.23	*1.15
Sandy Creek..	Big Sandy Creek.	Lat 32°52', long 83°30', at bridge on county road, 9½ miles south of Gray.	15	1951,1953	Oct. 11 Sept.23	*.13 *.38

* Base flow.

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Altamaha River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Big Sandy Creek.	Oconee River.	Lat 32°46', long 83°20', at bridge on county road, 7½ miles south of Gordon.	83	1951	Nov. 6	*24.9
Clear Creek..	Big Sandy Creek.	Lat 32°50', long 83°21', at bridge on State Highway 18, 3½ miles south of Gordon.	2.2		Nov. 6	0
Buckeye Creek	Oconee River.	Lat 32°46', long 82°52', at bridge on State Highway 57, 9 miles west of Wrightsville.	-		Sept. 23	*9.20
Long Branch..	.....do.....	Lat 32°31', long 82°55', at bridge on State Highway 31, south of Dublin.	4.7		Oct. 15	0
Cobb Creek...	Altamaha River.	Lat 32°02', long 82°23', at bridge on State Highway 56, 1½ miles northeast of Cedar Crossing.	74	1951-52, 1954	Nov. 15	0
Little Cedar Creek.	Cedar Creek..	Lat 32°44', long 82°42', at bridge on State Highway 78, 1½ miles east of Wrightsville.	12		Oct. 15	0
Cypress Creek	Ohoopsee River	Lat 32°44', long 82°40', at bridge on State Highway 78, 3 miles east of Wrightsville.	4.3		Oct. 15	0
Little Ohoopsee River.	.....do.....	Lat 32°46', long 82°35', at bridge on State Highway 78, 1½ miles northeast of Wrightsville.	63	1944, 1951, 1954	Oct. 15 Nov. 18	0 0
Hurricane Branch.	Little Ohoopsee River.	Lat 32°47', long 82°35', at bridge on State Highway 78, 9 miles northeast of Wrightsville.	5.8		Oct. 15	0
Smith Creek..	.....do.....	Lat 32°48', long 82°32', at bridge on State Highway 78, 1½ miles northeast of Wrightsville.	7.3		Oct. 15	0
Big Battleground Creek.	Battleground Creek.	Lat 32°46', long 82°37', at bridge on State Highway 78, 6½ miles northeast of Wrightsville.	1.1		Oct. 15	0
Pendleton Creek.	Ohoopsee River	Lat 32°17', long 82°18', at State Highway 4, 4½ miles north of Lyons.	184		Oct. 26	0
Swift Creek..	Pendleton Creek.	Lat 32°14', long 82°20', at bridge on State Highway 4, 1½ miles north of Lyons.	46		Oct. 26	0

Satilla River basin, Ga.

Satilla River	Atlantic Ocean.	Lat 31°36', long 83°08', at bridge on State Highway 32, 7½ miles east of Ocilla.	30	1949-50	Nov. 4	0
Hunters Creek	Satilla River	Lat 31°36', long 83°07', at bridge on State Highway 32, 8½ miles east of Ocilla.	20		Nov. 4	0
Wiggins Creek	.....do.....	Lat 31°34', long 83°02', at bridge on State Highway 32, 12 miles west of Douglas.	20		Nov. 4	0
Bear Creek...	.....do.....	Lat 31°34', long 83°00', at bridge on State Highway 32, 9½ miles west of Douglas.	3.4		Nov. 4	0
Satilla River	Atlantic Ocean.	Lat 31°25', long 82°51', at bridge on State Highway 31, 6½ miles south of Douglas.	269	1949-50, 1952, 1954	Oct. 18	0
Unnamed tributary.	Satilla River	Lat 31°26', long 82°51', at bridge on State Highway 31, 5½ miles south of Douglas.	2.9		Oct. 18	0
Do.....	.....do.....	Lat 31°24', long 82°51', at bridge on State Highway 31, 6½ miles north of Pearson.	4.5		Oct. 18	0
Mose Smith Pond Creek.	Pudding Creek	Lat 31°19', long 82°59', at bridge on State Highway 50, 3½ miles east of Willacoochee.	3.4		Oct. 19	0
Pudding Creek	Satilla River	Lat 31°22', long 82°50', at bridge on State Highway 31, 4½ miles north of Pearson.	64		Oct. 18	0
Sweetwater Creek.	.....do.....	Lat 31°20', long 82°51', at bridge on State Highway 31, 2½ miles north of Pearson.	5.3		Oct. 18	0
Ricketson Bay Creek.	Little Red Bluff Creek	Lat 31°17', long 82°48', at bridge on State Highway 50, 3½ miles east of Pearson.	5.3		Oct. 19	0
Unnamed tributary.	Red Bluff Creek.	Lat 31°17', long 82°45', at bridge on State Highway 50, 6½ miles east of Pearson.	2.7		Oct. 19	0
Red Bluff Creek.	Satilla River	Lat 31°16', long 82°43', at bridge on State Highway 50, 8½ miles east of Pearson.	76	1949-50	Oct. 19	0
Seventeen Mile Creek.	.....do.....	Lat 31°31', long 82°50', at bridge on State Highway 135, east of Douglas.	144		Nov. 4	0
Unnamed tributary.	Seventeen Mile Creek.	Lat 31°33', long 82°48', at bridge on State Highway 135, 3½ miles northeast of Douglas.	6.1		Nov. 4	0
Do.....	.....do.....	Lat 31°33', long 82°48', at bridge on State Highway 135, 4 miles northeast of Douglas.	2.0		Nov. 4	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Satilla River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Seventeen Mile Creek.	Satilla River	Lat 31°31', long 82°45', at bridge on State Highway 32, 6 miles east of Douglas.	164		Oct. 18 Nov. 4	0 0
Otter Creek.	Seventeen Mile Creek.	Lat 31°35', long 82°45', at bridge on State Highway 135, 8½ miles northeast of Douglas.	12		Nov. 4	0
Unnamed tributary.	Otter Creek.	Lat 31°35', long 82°45', at bridge on State Highway 135, 8 miles northeast of Douglas.	3.5		Nov. 4	0
Tiger Creek.	.....do.....	Lat 31°35', long 82°45', at bridge on State Highway 135, 6½ miles northeast of Douglas.	8.0		Nov. 4	0
Otter Creek.	Seventeen Mile Creek.	Lat 31°31', long 82°45', at bridge on State Highway 32, 6½ miles east of Douglas.	37		Oct. 18 Nov. 4	0 0
Hog Creek.	Satilla River	Lat 31°31', long 82°38', at bridge on State Highway 32, east of Nicholls.	29		Oct. 18	0
Unnamed tributary.	Hog Creek.	Lat 31°31', long 82°37', at bridge on State Highway 32, 1 mile east of Nicholls.	4.9		Oct. 18	0
Do.....	.....do.....	Lat 31°32', long 82°36', at bridge on State Highway 32, 2 miles east of Nicholls.	4.3		Oct. 18	0
Hurricane Creek.	.....do.....	Lat 31°31', long 82°39', at bridge on State Highway 32, west of Nicholls.	23		Oct. 18	0
Bear Creek.	Hurricane Creek.	Lat 31°31', long 82°40', at bridge on State Highway 32, 1½ miles west of Nicholls.	5.1		Oct. 18	0
Unnamed tributary.	Bear Creek.	Lat 31°31', long 82°40', at bridge on State Highway 32, 2½ miles west of Nicholls.	5.5		Oct. 18	0
Hurricane Creek.	Alabama River	Lat 31°48', long 82°40', at bridge on State Highway 135, 6½ miles southwest of Hazlehurst.	17		Nov. 4	0
Unnamed tributary.	Hurricane Creek.	Lat 31°48', long 82°40', at bridge on State Highway 135, 6½ miles southwest of Hazlehurst.	4.3		Nov. 4	0
Do.....	.....do.....	Lat 31°47', long 82°41', at bridge on State Highway 135, 8 miles southwest of Hazlehurst.	1.7		Nov. 4	0
Burket Creek.	.....do.....	Lat 31°49', long 82°39', at bridge on State Highway 135, 4½ miles southwest of Hazlehurst.	4.5		Nov. 4	0
Whitehead Creek.	.....do.....	Lat 31°44', long 82°42', at bridge on State Highway 135, 11 miles southwest of Hazlehurst.	28		Nov. 4	0
Hurricane Creek.	Alabama River	Lat 31°32', long 82°27', at bridge on State Highway 32, at Alma.	164		Oct. 18	0
Town Creek.	Little Hurricane Creek.	Lat 31°41', long 82°43', at bridge on State Highway 135, 14½ miles southwest of Hazlehurst.	12		Nov. 4	0
Unnamed tributary.	Town Creek.	Lat 31°42', long 82°43', at bridge on State Highway 135, 13½ miles southwest of Hazlehurst.	2.2		Nov. 4	0
Little Hurricane Creek.	Alabama River	Lat 31°33', long 82°33', at bridge on State Highway 32, 5 miles west of Alma.	54	1949-50, 1954	Oct. 18	0
Do.....	.....do.....	Lat 31°30', long 82°32', at bridge on State Highway 64, 5 miles southwest of Alma.	59	1952,1954	Oct. 18	0
Mill Branch.	Big Branch.	Lat 31°33', long 82°31', at bridge on State Highway 32, 5½ miles west of Alma.	4.1		Oct. 18	0
Little Hurricane Creek.	Alabama River	Lat 31°25', long 82°26', at bridge on State Highway 4, 8½ miles south of Alma.	109	1952,1954	Oct. 18	0
Big Satilla Creek.	Little Satilla	Lat 31°50', long 82°37', at bridge on State Highway 135, 2½ miles southwest of Hazlehurst.	1.6		Nov. 4	0
Unnamed tributary.	Big Satilla Creek.	Lat 31°51', long 82°37', at bridge on State Highway 135, 2 miles southwest of Hazlehurst.	1.3		Nov. 4	0
Big Satilla Creek.	Little Satilla Creek.	Lat 31°47', long 82°34', at bridge on State Highway 15, 6½ miles south of Hazlehurst.	16		Oct. 18 Nov. 4	0 0
Unnamed tributary.	Big Satilla Creek.	Lat 31°46', long 82°34', at bridge on county road, at Spella Still, 7½ miles south of Hazlehurst.	3.2		Nov. 4	0
Do.....	.....do.....	Lat 31°41', long 82°30', at bridge on State Highway 15, 10 miles north of Alma.	1.4		Oct. 18	0
Big Satilla Creek.	Little Satilla River.	Lat 31°39', long 82°26', at bridge on State Highway 4, 8½ miles north of Alma.	118	1949-50, 1952,1954	Oct. 18	0

St. Marys River basin, Ga.

Boone Creek.	St. Marys River.	Lat 30°35', long 82°03', at bridge on State Highway 23, 3½ miles north of St. George.	-		Oct. 4	0
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DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

St. Marys River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Harris Creek.	St. Marys River.	Lat 30°38', long 82°03', at bridge on State Highway 23, $8\frac{1}{2}$ miles north of St. George.	-		Oct. 4	0.94
Unnamed tributary.	.....do.....	Lat 30°40', long 82°03', at bridge on State Highway 23, $9\frac{1}{2}$ miles north of St. George.	-		Oct. 4	0
Do.....	.....do.....	Lat 30°41', long 82°04', at bridge on State Highway 23, 10 $\frac{1}{2}$ miles north of St. George.	-		Oct. 4	0
Do.....	.....do.....	Lat 30°42', long 82°04', at bridge on State Highway 23, 12 $\frac{1}{2}$ miles north of St. George.	-		Oct. 4	0
Do.....	.....do.....	Lat 30°43', long 82°04', at bridge on State Highway 23, 13 $\frac{1}{2}$ miles north of St. George.	-		Oct. 4	0
Cornhouse Creek.	.....do.....	Lat 30°43', long 82°04', at bridge on State Highway 23, 14 miles north of St. George.	-		Oct. 4	0
Unnamed tributary.	.....do.....	Lat 30°46', long 82°04', at bridge on State Highway 23, $5\frac{1}{2}$ miles southwest of Folkston.	-		Oct. 4	0
North Fork Spanish Creek.	Spanish Creek	Lat 30°55', long 82°05', at bridge on State Highway 4, 7 $\frac{1}{2}$ miles northwest of Folkston.	-		Oct. 4	0
East Fork Spanish Creek.	.....do.....	Lat 30°54', long 82°05', at bridge on State Highway 4, $6\frac{1}{2}$ miles northwest of Folkston.	-		Oct. 4	0
Spanish Creek.	St. Marys River.	Lat 30°48', long 82°02', at bridge on State Highway 23, 2 miles southwest of Folkston.	-		Oct. 4	2.17

St. Johns River basin, Fla.

La-No'-che Camp Spring	Norris Lake..	Sec. 5, T. 18 S., R. 28 E., 1,000 ft above Lake Norris and 2 miles south of Paisley.	-		Nov. 26	*1.10
Big Creek....	Lake Louisa..	NE $\frac{1}{4}$ sec. 32, T. 23 S., R. 26 E., 1 mile above Lake Louisa and $7\frac{1}{2}$ miles southeast of Clermont.	-	1945-47, 1953-54	Oct. 28 Dec. 8 Jan. 19 Mar. 2 Apr. 12 May 25 July 11	*5.89 *6.67 *5.90 *3.58 *3.38 *1.79 77.6
Little Creek.	.....do.....	NE $\frac{1}{4}$ sec. 25, T. 23 S., R. 25 E., $\frac{1}{2}$ mile above Lake Louisa and $6\frac{1}{2}$ miles south of Clermont.	-	1945-47, 1953-54	Oct. 28 Dec. 8 Jan. 19 Mar. 2 Apr. 12 May 25 July 11	0 0 0 0 0 0 0

Lake Okeechobee and the Everglades, Fla.

Lake Annie Outlet.	Lake Placid..	SW $\frac{1}{4}$ sec. 32, T. 37 S., R. 30 E., at bridge on State Highway 70, 6 miles south of Lake Placid.	5.72	1947-54	Jan. 13 June 22 Aug. 9 Sept. 30	*3.10 *3.89 *5.35 *2.81
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Peace River basin, Fla.

Tiger Branch.	Little Charley Bowlegs Creek.	SW $\frac{1}{4}$ sec. 33, T. 34 S., R. 28 E., at culvert on Office Road in Highlands Hammock State Park, 5.8 miles southwest of Sebring.	2.18	1954	Jan. 12 Feb. 28 Sept. 21	*0.74 *.74 *2.34
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Suwannee River basin, Ga.

Tatum Creek..	Suwannee River.	Lat 30°54', long 82°40', at bridge on State Highway 89, 11 miles southeast of Homerville.	39	1949-50, 1952,1954	Oct. 20	0
Suwanneechee Creek.	.....do.....	Lat 30°59', long 82°53', at bridge on State Highway 38, at Dupont.	140	1949-50, 1952,1954	Oct. 20	0
West Fork Deep Creek.	Deep Creek...	Lat 31°45', long 83°41', at bridge on State Highway 7, 0.7 mile northwest of Worth.	17		Oct. 26	0
South Fork Deep Creek.	.....do.....	Lat 31°45', long 83°40', at bridge on State Highway 7, at Worth.	4.7		Oct. 26	0
Alabama River	Suwannee River.	Lat 31°32', long 83°24', at bridge on State Highway 35, $8\frac{1}{2}$ miles northeast of Tifton.	570		Nov. 4	0
Unnamed tributary.	Alapaha River	Lat 31°25', long 83°10', at bridge on State Highway 50, 3 miles east of Alapaha.	1.2		Oct. 19	0

* Base flow.

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

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Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Suwannee River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Willacoochee Creek.	Alapaha River	Lat 31°36', long 83°10', at bridge on State Highway 32, 4 $\frac{1}{4}$ miles east of Ocilla.	69		Nov. 4	0
Reedy Creek..	Willacoochee Creek.	Lat 31°34', long 83°19', at bridge on State Highway 35, 4 $\frac{1}{2}$ miles southwest of Ocilla.	29	1949,1954	Nov. 4	0
Stump Creek..	Little Brushy Creek.	Lat 31°36', long 83°16', at bridge on State Highway 32, 1 mile west of Ocilla.	9.4		Nov. 4	0
Little Brushy Creek.	Willacoochee Creek.	Lat 31°35', long 83°12', at bridge on State Highway 32, 3 miles east of Ocilla.	5.6		Nov. 4	0
Willacoochee Creek.	Alapaha River	Lat 31°22', long 83°06', at bridge on State Highway 50, 3 $\frac{1}{2}$ miles east of Willacoochee.	231	1944,1949, 1950,1954	Oct. 11 Oct. 19	0 0
Unnamed tributary.	....do.....	Lat 31°21', long 83°04', at bridge on State Highway 50, 1 $\frac{1}{2}$ miles west of Willacoochee.	3.5		Oct. 19	0
Alapaha River	Suwannee River.	Lat 31°03', long 83°03', at bridge on State Highway 37, 2 miles east of Lakeland.	1,060	1950,1954	Oct. 20	*5.98
Unnamed tributary.	Withlacoochee River.	Lat 31°28', long 83°22', at bridge on State Highway 50, 6 $\frac{1}{2}$ miles southeast of Tifton.	1.9		Oct. 19	0
Withlacoochee River.	Suwannee River.	Lat 31°25', long 83°21', at bridge on State Highway 50, 2 miles west of Enigma.	11		Oct. 19	0
Camp Creek...	Withlacoochee River.	Lat 31°25', long 83°21', at bridge on State Highway 50, at Enigma.	3.5		Oct. 19	0
Unnamed tributary.	....do.....	Lat 31°25', long 83°20', at bridge on State Highway 50, 6 $\frac{1}{2}$ miles southeast of Tifton.	1.5		Oct. 19	0
Do.....	Dry Creek....	Lat 31°25', long 83°20', at bridge on State Highway 50, at Enigma.	2.9		Oct. 19	0
Gum Creek....	....do.....	Lat 31°24', long 83°18', at bridge on State Highway 50, 1 $\frac{1}{2}$ miles east of Enigma.	3.3		Oct. 19	0
Unnamed tributary.	New River....	Lat 31°26', long 83°26', at bridge on State Highway 50, 5 miles southeast of Tifton.	10		Oct. 11	0
Do.....	....do.....	Lat 31°26', long 83°25', at bridge on State Highway 50, 6 miles southeast of Tifton.	.9		Oct. 19	0
New River....	Withlacoochee River.	Lat 31°27', long 83°29', at bridge on State Highway 35, 1 $\frac{1}{2}$ miles east of Tifton.	4.4		Oct. 19 Nov. 4	0 0
Unnamed tributary.	New River....	Lat 31°23', long 83°30', at bridge on State Highway 7, 5 $\frac{1}{2}$ miles south of Tifton.	.14		Oct. 12	0
Bear Branch..	Days Creek...	Lat 31°08', long 83°26', at bridge on State Highway 7, 1 mile north of Adel.	11		Oct. 12	0
Little River.	Withlacoochee River.	Lat 31°24', long 83°32', at bridge on State Highway 35, 4 $\frac{1}{2}$ miles south of Tifton.	16		Oct. 12	0
Arnold Creek.	Little River.	Lat 31°23', long 83°33', at bridge on State Highway 35, 5 $\frac{1}{2}$ miles south of Tifton.	8.4		Oct. 12	0
Gum Creek....	....do.....	Lat 31°21', long 83°35', at bridge on State Highway 35, 1 mile northeast of Omega.	4.8		Oct. 12	0
Ty Ty Creek..	Warrior Creek	Lat 31°20', long 83°37', at bridge on State Highway 35, 1 $\frac{1}{2}$ miles northeast of Croeland.	97		Oct. 12 Oct. 20	0 0
Warrior Creek	Little River.	Lat 31°18', long 83°40', at bridge on State Highway 35, 3 miles northeast of Norman Park.	160		Oct. 12 Oct. 20	0 0
Unnamed tributary.	Warrior Creek	Lat 31°17', long 83°41', at bridge on State Highway 31, 1 mile northeast of Norman Park.	2.7		Oct. 12	0
Bull Creek...	Little River.	Lat 31°09', long 83°37', at bridge on State Highway 37, 2 $\frac{1}{2}$ miles southwest of Ellenton.	12		Oct. 20	0
Indian Creek.	....do.....	Lat 31°15', long 83°44', at bridge on State Highway 35, 3 miles southwest of Norman Park.	10		Oct. 12 Oct. 20	0 0
Unnamed tributary.	Indian Creek.	Lat 31°14', long 83°44', at bridge on State Highway 35, 3 $\frac{1}{2}$ miles southwest of Norman Park.	5.6		Oct. 12	0
Indian Creek.	Little River.	Lat 31°11', long 83°43', at bridge on State Highway 37, 4 miles east of Moultrie.	21		Oct. 20	0
Little Indian Creek.	Indian Creek.	Lat 31°13', long 83°45', at bridge on State Highway 35, 4 miles northeast of Moultrie.	4.1		Oct. 12 Oct. 20	0 0
Do.....	....do.....	Lat 31°11', long 83°44', at bridge on State Highway 37, 3 $\frac{1}{2}$ miles east of Moultrie.	8.8		Oct. 20	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Suwannee River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Bear Creek...	Indian Creek.	Lat 31°15', long 83°43', at bridge on State Highway 55, 2½ miles southwest of Norman Park.	5.4		Oct. 12	0
Do.....	.....do.....	Lat 31°11', long 83°41', at bridge on State Highway 37, 6½ miles east of Moultrie.	17		Oct. 20	0
Reedy Creek..	Bear Creek...	Lat 31°10', long 83°39', at bridge on State Highway 37, 7½ miles east of Moultrie.	8.0		Oct. 20	0
Morrison Creek.	Wells Mill Creek.	Lat 37°07', long 83°26', at bridge on State Highway 76, 2 miles south of Adel.	11		Oct. 12	0
Wells Mill Creek.	Little River.	Lat 31°04', long 83°28', at bridge on State Highway 76, 5½ miles southwest of Adel.	7.4		Oct. 12	0
Slaughter Creek.	....do.....	Lat 30°59', long 83°30', at bridge on State Highway 76, 3 miles north of Morven.	7.2		Oct. 12	0
Unnamed tributary.	Slaughter Creek.	Lat 30°58', long 83°30', at bridge on State Highway 76, 1 mile north of Morven.	1.9		Oct. 12	0
Downing Creek	....do.....	Lat 30°54', long 83°30', at bridge on State Highway 76, 5½ miles south of Morven.	5.8		Oct. 12	0
Jones Creek..	Downing Creek	Lat 30°55', long 83°30', at bridge on State Highway 76, 2 miles south of Morven.	1.8		Oct. 12	0
Withlacoochee River.	Suwannee River.	Lat 30°47', long 83°27', at bridge on State Highway 38, 6½ miles east of Quitman.	1,480		Oct. 12	*8.03
Okapilco Creek.	Withlacoochee River.	Lat 31°12', long 83°47', at bridge on State Highway 35, 1½ miles north of Moultrie.	27	1949-50, 1954	Oct. 12 Oct. 20	0 0
Coon Creek...	Okapilco Creek.	Lat 30°52', long 83°31', at bridge on State Highway 76, 6½ miles northeast of Quitman.	1.2		Oct. 12	0
Unnamed tributary.	Coon Creek...	Lat 30°50', long 83°31', at bridge on State Highway 76, 4 miles northeast of Quitman.	1.4		Oct. 12	0
Piscola Creek	Okapilco Creek.	Lat 30°47', long 83°41', at bridge on State Highway 38, 1 mile southwest of Dixie.	84		Oct. 12	0
Unnamed tributary.	Piscoke Creek	Lat 30°47', long 83°39', at bridge on State Highway 38, 0.8 mile northeast of Dixie.	5.6		Oct. 12	0
Do.....	.....do.....	Lat 30°47', long 83°36', at bridge on State Highway 38, 2½ miles east of Quitman.	15		Oct. 12	0

Aucilla River basin, Ga.

Olive Creek..	Aucilla River	Lat 30°50', long 83°58', at bridge on State Highway 38, at Thomasville.	1.5		Oct. 12	*0
Aucilla River	Gulf of Mexico.	Lat 30°49', long 83°52', at bridge on State Highway 38, 7½ miles east of Thomasville.	7.3		Oct. 12	0
Masse Branch.	Olive Creek..	Lat 30°48', long 83°50', at bridge on State Highway 38, 9 miles east of Thomasville.	11		Oct. 12	0
Aucilla River	Gulf of Mexico.	Lat 30°47', long 83°48', at bridge on State Highway 133, southwest of Boston.	82		Oct. 12	0
Unnamed tributary.	Aucilla Creek	Lat 30°47', long 83°46', at bridge on State Highway 38, 2 miles east of Boston.	1.4		Oct. 12	0

Ochlockonee River basin, Ga.

Ochlockonee River.	Gulf of Mexico.	Lat 31°11', long 83°48', at bridge on State Highway 37, west of Moultrie.	95	1949-50, 1954	Oct. 20	0
Little Creek.	Ochlockonee River.	Lat 31°12', long 83°53', at bridge on State Highway 37, 1½ miles west of Funston.	5.5	1949	Oct. 14 Oct. 20	0 0
Unnamed tributary.	Little Creek.	Lat 31°12', long 83°54', at bridge on State Highway 37, 1½ miles west of Funston.	2.6		Oct. 14	0
Bridge Creek.	Ochlockonee River.	Lat 31°12', long 83°56', at bridge on State Highway 37, 3½ miles west of Funston.	37	1949-50	Oct. 14 Oct. 20	0 0
Unnamed tributary.	Bridge Creek.	Lat 31°12', long 83°56', at bridge on State Highway 37, 4 miles west of Funston.	5.2		Oct. 14	0
Do.....	Big Creek....	Lat 31°00', long 83°52', at bridge on State Highway 35, at Coolidge.	3.7		Oct. 12	0
Do.....	.....do.....	Lat 30°59', long 83°53', at bridge on State Highway 35, 2½ miles southwest of Coolidge.	1.1		Oct. 12	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Ochlockonee River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured precisely (water years)	Date	Discharge (cfs)
Big Creek....	Ochlockonee River.	Lat 30°58', long 83°53', at bridge on State Highway 35, 2½ miles southwest of Coolidge.	49		Oct. 12	0
Coon Creek....	....do.....	Lat 30°56', long 83°55', at bridge on State Highway 35, 2 miles southwest of Merrillville.	3.6		Oct. 12	0
Unnamed tributary.	Coon Creek...	Lat 30°55', long 83°55', at bridge on State Highway 35, 5 miles southwest of Merrillville.	2.9		Oct. 12	0
Little Ochlockonee River.	Ochlockonee River.	Lat 31°13', long 84°00', at bridge on State Highway 37, 9½ miles west of Funston.	17		Oct. 14 Oct. 20	0 0
Unnamed tributary.	Little Ochlockonee River.	Lat 31°13', long 83°59', at bridge on State Highway 37, 9 miles west of Funston.	3.0		Oct. 14	0
Lost Creek....	....do.....	Lat 31°14', long 84°03', at bridge on State Highway 37, 2½ miles southwest of Sale City.	3.5		Oct. 19	0
Do.....	....do.....	Lat 31°10', long 84°03', at bridge on State Highway 93, 1½ miles east of Cotton.	21		Oct. 20	0
Big Creek....	Little Creek.	Lat 31°08', long 84°07', at bridge on State Highway 93, 2 miles east of Pelham.	3.1		Oct. 20	0
Goodwater Creek.	Oguina Creek.	Lat 30°53', long 83°56', at bridge on State Highway 35, 4½ miles northeast of Thomasville.	1.2		Oct. 12	0
Attapulgus Creek.	Little River.	Lat 30°53', long 84°23', at culvert on State Highway 38, 3½ miles east of Climax.	3.4	1952,1954	Oct. 21	*.40
Do.....	....do.....	Lat 30°44', long 84°27', at bridge on State Highway 1, 2 miles southeast of Attapulgus.	54		Oct. 21	5.82
Little Attapulgus Creek.	Attapulgus Creek.	Lat 30°43', long 84°30', at bridge on county road, 2½ miles south of Attapulgus.	2.1		Oct. 21	5.27
Swamp Creek..	....do.....	Lat 30°43', long 84°25', at bridge on State Highway 1, 4½ miles southeast of Attapulgus.	39		Oct. 21	.43

Apalachicola River basin, Ga.

Smith Creek..	Chattahoochee River.	Lat 34°43', long 83°44', at bridge on county road, 1½ miles north of Helen.	8.78	1953	Oct. 18	*8.47
Chattahoochee River	Apalachicola River.	Lat 34°42', long 83°44', at bridge on State Highway 75, at Helen.	45.0	1953	Oct. 15	*29.4
Dukes Creek..	Chattahoochee River.	Lat 34°41', long 83°46', at bridge on county road, 2½ miles west of Helen.	13.0		Oct. 15	*7.76
Do.....	....do.....	Lat 34°40', long 83°43', at bridge on State Highway 75, south of Nacoochee.	21.5	1937,1951, 1953	Oct. 18	*12.3
Chattahoochee River.	Apalachicola River.	Lat 34°41', long 83°41', at county road (abandoned), 0.5 mile south of Sautee.	73.8	1939,1953	Oct. 18	*38.0
Chickamauga Creek.	Sautee Creek.	Lat 34°43', long 83°39', at bridge on county road, 2½ miles north-east of Sautee.	16.1		Oct. 18	*12.9
Sautee Creek.	Chattahoochee River.	Lat 34°41', long 83°40', at bridge on State Highway 105, 0.4 mile southeast of Sautee.	33.4	1937,1951, 1953	Oct. 18	*21.8
Chattahoochee River.	Apalachicola River.	Lat 34°38', long 83°39', at bridge on county road, 7½ miles east of Cleveland.	117		Oct. 19	*65.5
Glade Creek..	Soque River..	Lat 34°38', long 83°29', at Anandale, 3 miles northeast of Clarkesville.	6.33		Oct. 7	*2.49
Beaverdam Creek.	....do.....	Lat 34°37', long 83°32', at bridge on State Highway 115, near Clarkesville.	13.3		Oct. 7	*6.53
Hazel Creek..	....do.....	Lat 34°35', long 83°31', at bridge on county road, 1 mile south of Clarkesville.	16.6		Oct. 7	*4.90
Little Hazel Creek.	Hazel Creek..	Lat 34°33', long 83°32', at bridge on county road, 1½ miles south of Demorest.	5.12		Oct. 19	*1.26
Soque River..	Chattahoochee River.	Lat 34°34', long 83°35', at Cannon Bridge, 2½ miles west of Demorest.	154		Oct. 19	134
Mossy Creek..	....do.....	Lat 34°33', long 83°44', at bridge on U. S. Highway 129, 3½ miles southeast of Cleveland.	5.02	1953	Oct. 19	*3.12
Dean Creek...	Mossy Creek..	Lat 34°32', long 83°44', at bridge on U. S. Highway 129, 4½ miles southeast of Cleveland.	2.35	1953	Oct. 19	*1.20
Little Mud Creek.	Mud Creek....	Lat 34°30', long 83°35', at bridge on county road, 2½ miles west of Baldwin.	4.3		Oct. 19	*2.45

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
King Creek...	Little Mud Creek.	Lat 34°27', long 83°37', 1½ miles west of Georgia State Industrial School and 2 miles southwest of Alto.	0.42		Oct. 19	*.42
Chestatee River.	Chattahoochee River.	Lat 34°40', long 83°55', at bridge on U. S. Highway 19, 10 miles northeast of Dahlongega.	33.1		Oct. 14	*14.1
Tesnatee Creek.	Chestatee River.	Lat 34°40', long 83°51', at bridge on U. S. Highway 129, 6½ miles northwest of Cleveland.	8.28		Oct. 14	*2.96
Little Tesnatee Creek.	Tesnatee Creek.	Lat 34°37', long 83°47', at bridge on U. S. Highway 129, northwest of Cleveland.	9.89	1953	Oct. 15	*4.44
Do.....	.....do.....	Lat 34°36', long 83°48', at bridge on county road, 2½ miles west of Cleveland.	25.4	1953	Oct. 14	*13.1
Yahoola Creek	Chestatee River.	Lat 34°33', long 83°58', at bridge on State Highway 52, at Dahlongega.	31.1	1951,1953	Oct. 14	*16.9
Cane Creek...	.....do.....	Lat 34°32', long 84°00', at bridge on U. S. Highway 19, at Dahlongega.	21.9	1951,1953	Oct. 19	*6.91
Chestatee River.	Chattahoochee River.	Lat 34°26', long 83°59', at bridge on county road, 3¼ miles southeast of Auraria.	290		Oct. 20	*108
Do.....	.....do.....	Lat 34°20', long 83°58', at bridge on State Highway 53, 8 miles west of Gainesville.	288	1943	Oct. 14	*122
Mud Creek....	.....do.....	Lat 34°12', long 83°55', at bridge on county road, 1½ miles north of Flowery Branch.	4.8	1953	Oct. 13	*.44
Flowery Branch.	.....do.....	Lat 34°11', long 83°56', at bridge on U. S. Highway 23, at Flowery Branch.	1.7	1953	Oct. 13	*.46
Big Creek....	.....do.....	Lat 34°10', long 83°58', at bridge on county road, 2¼ miles southwest of Flowery Branch.	4.1	1953	Oct. 13	*.76
Six Mile Creek.	.....do.....	Lat 34°14', long 84°03', at bridge on State Highway 141, 6 miles east of Cumming.	-		Sept.22	*1.44
Two Mile Creek.	Six Mile Creek.	Lat 34°15', long 83°59', at bridge on State Highway 141, 9 miles east of Cumming.	-		Sept.21	*1.10
Unnamed tributary.	Four Mile Creek.	Lat 34°15', long 84°00', at bridge on State Highway 141, 8 miles east of Cumming.	-		Sept.22	*.11
Suwannee Creek.	Ball Ridge Creek.	Lat 34°14', long 84°08', near State Highway 141, above pumping plant and ½ miles north of Cumming.	2.5		Nov. 15 Sept.21	*.99 *.46
Ball Ridge Creek.	Chattahoochee River.	Lat 34°12', long 84°06', at bridge on county road, 2¼ miles east of Cumming.	11.9	1953	Oct. 14 Sept.21	*3.00 *1.82
Richland Creek.	.....do.....	Lat 34°08', long 84°03', at bridge on State Highway 20, west of Buford.	4.4	1952	Oct. 6	*.60
Big Creek....	.....do.....	Lat 34°07', long 84°06', at bridge on county road, 0.5 mile above mouth.	13.5		Oct. 13 Sept.22	*3.23 *2.53
Brush Creek..	.....do.....	Lat 34°03', long 84°05', at bridge on county road, at west city limits of Suwannee.	1.9	1952	Oct. 6	*.041
Ivy Creek....	Suwannee Creek.	Lat 34°04', long 84°00', at bridge on State Highway 20, south of Buford.	18	1952	Oct. 6	0
Big Creek....	Chattahoochee River.	Lat 34°11', long 84°13', at bridge on State Highway 141, 5 miles west of Cumming.	-		Sept.22	0
Do.....	.....do.....	Lat 34°09', long 84°13', at bridge on U. S. Highway 19, 6 miles southwest of Cumming.	36.4	1953	Oct. 13 Sept.22	*2.81 *2.03
Do.....	.....do.....	Lat 34°04', long 84°16', at bridge on county road, 2¼ miles east of Alpharetta.	67.4	1954	Sept.21	*1.79
Four Killer Creek.	Big Creek....	Lat 34°04', long 84°20', at bridge on U. S. Highway 19, 2¼ miles southwest of Alpharetta.	4.8	1954	Sept.20	*.08
Big Creek....	Chattahoochee River.	Lat 34°02', long 84°20', at bridge on Holcombs Bridge Road east of Roswell.	96.4	1954	Oct. 6	*2.75
Soap Creek...	.....do.....	Lat 33°57', long 84°28', at bridge on South Roswell Road, east of Marietta.	31.0	1954	Sept.12	*4.96
Rottenwood Creek.	.....do.....	Lat 33°55', long 84°29', at bridge on Terrell Mill Road, near Marietta.	15	1944,1949, 1951,1953, 1954	Sept. 9	*3.55

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
North Fork Peachtree Creek.	Peachtree Creek.	Lat 33°50', long 84°19', at bridge on Clairmont Road, near Atlanta.	27.8	1917,1920, 1944,1949, 1951-52, 1954	Sept. 9	*5.19
Do.....	.....do.....	Lat 33°49', long 84°22', at bridge on Lindbergh Drive, Atlanta.	38.5	1953-54	Sept.23	*1.92
South Fork Peachtree Creek.	.....do.....	Lat 33°48', long 84°17', at bridge on U. S. Highway 29, near Decatur.	9.08	1951-52, 1954	Sept. 9	*.21
Montreal Branch.	Burnt Fork Creek.	Lat 33°50', long 84°16', at bridge on Hudson Road, near Montreal.	1.84	1944,1949, 1951-52,	Sept. 9	*.22
Peachtree Creek.	Chattahoochee River.	Lat 33°49', long 84°25', at bridge on Northside Drive, Atlanta.	86.5	1944,1947, 1949,1951, 1952,1954	Sept.21	*3.96
Nancy Creek..	.....do.....	Lat 33°55', long 84°18', at bridge on North Shallowford Road, 1½ miles north of Chamblee.	9.30		Sept.10 Sept.23	*1.86 *2.19
Chattahoochee River.	Apalachicola River.	Lat 33°50', long 84°28', 50 ft above outfall of Clayton sewage treatment plant of the city of Atlanta.	-	1954	Oct. 7	232
Proctor Creek	Chattahoochee River.	Lat 33°48', long 84°29', at bridge on Bolton Road, Atlanta.	15.5	1950-51, 1953-54	Sept.21	*1.00
Unnamed trib- utary.	Nickajack Creek.	Lat 33°48', long 84°32', at bridge on county road, 6 miles west of Austell.	1.9	1953	Sept.12	*.70
North Utoy Creek.	Utoy Creek...	Lat 33°44', long 84°31', at bridge on Fairburn Road, north of Ben Hill.	9.65	1950-51, 1953-54	Sept.23	*.36
South Utoy Creek.	.....do.....	Lat 33°44', long 84°31', at bridge on Fairburn Road, north of Ben Hill.	12.3	1950-51, 1953-54	Sept.23	*1.67
Sweetwater Creek.	Chattahoochee River.	Lat 33°50', long 84°43', at bridge on county road, 5 miles west of Austell.	102		Sept.22	*1.3
Powder Springs Creek.	Sweetwater Creek.	Lat 33°52', long 84°43', at bridge on State Highway 6, west of Powder Springs.	17	1952,1954	Sept. 9	*1.17
Do.....	.....do.....	Lat 33°49', long 84°40', at bridge on county road, near Southern Ry., 1 mile west of Austell.	29	1952	Sept. 9	*2.26
Noses Creek..	.....do.....	Lat 33°57', long 84°37', at bridge on State Highway 120, west of Marietta.	6.3	1953-54	Sept. 9	*.56
Wards Creek..	Noses Creek..	Lat 33°55', long 84°36', at bridge on Wards Road, southwest of Marietta.	5.7	1944, 1950-54	Sept. 9	*.60
Noses Creek..	Sweetwater Creek.	Lat 33°50', long 84°39', at bridge on Powder Springs Mableton Road, near Clarksdale.	46	1950-52	Sept. 9	*3.26
Olley Creek..	.....do.....	Lat 33°50', long 84°38', at bridge on Powder Springs Mableton Road, north of Austell.	14	1950-52	Sept. 9	*2.37
Deep Creek...	Chattahoochee River.	Lat 33°38', long 84°36', at bridge on Jones Road, north of Fair- burn.	11	1953-54	Sept.23	*.29
Pea Creek....	.....do.....	Lat 35°37', long 84°42', at bridge on State Highway 154, 6½ miles northeast of Palmetto.	9.1	1953-54	Sept.23	*.34
Big Bear Creek.	.....do.....	Lat 33°34', long 84°40', at bridge on county road, ¾ miles north of Palmetto.	8.4	1954	Sept.23	*.18
Central- hatchee Creek.	.....do.....	Lat 33°24', long 85°10', at bridge on county road, 4 miles north- east of Centralhatchee.	24.0		Oct. 11	*2.70
Do.....	.....do.....	Lat 33°19', long 85°06', at bridge on U. S. Highway 27, north of Franklin.	57	1953	Oct. 11	*5.42
Caney Creek..	New River....	Lat 33°16', long 84°58', at bridge on county road, 3 miles north- west of Corinth.	23		Oct. 12	0
Yellowjacket Creek.	Chattahoochee River.	Lat 33°11', long 84°55', at bridge on U. S. Highway 27, north of Hogansville.	40	1952	Oct. 12	*.40
Flat Creek...	Yellowjacket Creek.	Lat 33°08', long 84°51', at bridge on county road, 2 miles west of St. Marks.	19	1952	Oct. 19	*1.29
Do.....	.....do.....	Lat 33°08', long 84°55', at bridge on U. S. Highway 29, south of Hogansville.	27	1943, 1951-52	Oct. 12	*.89
Beach Creek..	.....do.....	Lat 33°04', long 84°51', at bridge on county road, 4½ miles north- west of Odessadale.	11	1952	Oct. 19	*2.22
Bear Creek...	Beach Creek..	Lat 33°06', long 84°51', at bridge on county road, 2½ miles south- west of St. Marks.	12	1952	Oct. 19	*.37

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Beach Creek..	Yellowjacket Creek.	Lat 33°06', long 84°56', at bridge on U. S. Highway 29, northeast of La Grange.	45	1943, 1951, 1953	Oct. 12	*2.70
Do.....	....do.....	Lat 33°06', long 84°59', at bridge on county road, 4½ miles northwest of La Grange.	52	1912, 1952	Oct. 12	*3.69
Shoal Creek..	Beach Creek..	Lat 33°04', long 84°58', at bridge on U. S. Highway 29, northeast of La Grange.	9.2	1952	Oct. 20	*.90
Do.....	....do.....	Lat 33°05', long 85°00', at bridge on county road, 3¼ miles northeast of La Grange.	16	1953	Oct. 20	*2.03
Whitewater Creek.	Chattahoochee River.	Lat 33°06', long 85°08', at bridge on State Highway 109, northwest of La Grange.	27	1943	Oct. 20	*.24
Wehadkee Creek.	....do.....	Lat 33°04', long 85°12', at bridge on county road, 10½ miles west of La Grange.	99		Oct. 20	*.20
Long Cane Creek.	....do.....	Lat 33°01', long 84°58', at bridge on county road, 3½ miles east of La Grange.	9.9	1953	Oct. 20	*.83
Do.....	....do.....	Lat 33°59', long 85°00', at bridge on U. S. Highway 27, southeast of La Grange.	23	1952-53	Oct. 10	*1.37
Flat Shoal Creek.	....do.....	Lat 32°59', long 84°51', at bridge on county road, 5½ miles southwest of Odessadales.	24		Oct. 19	*.34
Sulphur Creek	Flat Shoal Creek.	Lat 33°56', long 84°47', at bridge on county road, 1½ miles northwest of Durand.	7.3	1953	Oct. 19	0
Mill Creek...	White Sulphur Creek.	Lat 32°52', long 84°49', at bridge on county road, 4½ miles east of Chipley.	.65		Oct. 19	0
White Sulphur Creek.	Sulphur Creek	Lat 32°55', long 84°48', at bridge on State Highway 18, at White Sulphur Springs.	22	1943, 1952-53	Oct. 19	*1.04
Sulphur Creek	Flat Shoal Creek.	Lat 32°57', long 84°50', at bridge on county road, 1½ miles south of Stovall.	43	1953	Oct. 19	*1.06
Unnamed tributary.	Crawford Creek.	Lat 32°54', long 84°50', at bridge on State Highway 18, 1½ miles southwest of White Sulphur Springs.	5.1		Oct. 19	*.89
Crawford Creek.	Sulphur Creek	Lat 32°56', long 84°50', at bridge on State Highway 18, northeast of Chipley.	2.7	1953	Oct. 19	*.51
Flat Shoal Creek.	Chattahoochee River.	Lat 32°57', long 84°55', at bridge on U. S. Highway 27, southeast of La Grange.	119	1943-44, 1952-53	Oct. 20	*6.80
Do.....	....do.....	Lat 32°53', long 85°05', at bridge on State Highway, 5½ miles east of West Point.	204		Oct. 20	*22.4
Mountain Creek.	....do.....	Lat 32°50', long 84°51', at bridge on U. S. Highway 27, south of Chipley.	2.0	1945, 1951	Oct. 21	*.30
Do.....	....do.....	Lat 32°48', long 84°53', at bridge on county road, 4½ miles southwest of Chipley.	9.3	1945	Oct. 21	*1.23
Mulberry Creek.	....do.....	Lat 32°43', long 84°44', at bridge on State Highway 85, 2 miles north of Waverly Hall.	12.3		Oct. 21	0
Dowdell Creek	Mulberry Creek.	Lat 32°45', long 84°48', at bridge on county road, 5 miles northwest of Waverly Hall.	28	1943	Oct. 21	*8.54
Palmetto Creek.	....do.....	Lat 32°46', long 84°52', at bridge on county road, 1½ miles northeast of Hamilton.	8.9	1951	Oct. 21	*2.74
Ossahatchie Creek.	....do.....	Lat 32°59', long 84°46', at bridge on State Highway 85, 2½ miles southwest of Waverly Hall.	19.1		Oct. 21	0
Do.....	....do.....	Lat 32°41', long 84°52', at bridge on U. S. Highway 27, south of Hamilton.	42.6	1943, 1951	Oct. 21	*.15
Standing Boy Creek.	Chattahoochee River.	Lat 32°38', long 84°54', at bridge on U. S. Highway 27, 1 mile southwest of Rehobeth.	-		Oct. 21	*.017
Heiferhorn Creek.	Standing Boy Creek.	Lat 32°57', long 84°55', at bridge on U. S. Highway 27, 2½ miles southwest of Rehobeth.	2.40		Oct. 21	*.040
Bull Creek...	Chattahoochee River.	Lat 32°54', long 84°51', at bridge on State Highway 85, 1½ miles southwest of Midland.	10.4	1948	Oct. 14	0
Unnamed tributary.	Bull Creek...	Lat 32°52', long 84°50', at bridge on State Highway 22, 5½ miles west of Upatoi.	.93	1948	Oct. 14	0
Bull Creek...	Chattahoochee River.	Lat 32°52', long 84°51', at bridge on State Highway 22, 6½ miles west of Upatoi.	14.2	1948	Oct. 14	*.90
South Fork Upatoi Creek.	Upatoi Creek.	Lat 32°26', long 84°33', at bridge on State Highway 22, 1 mile west of Geneva.	-	1943	Oct. 27	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
South Fork Upatoi Creek.	Upatoi Creek.	Lat 32°34', long 84°37', at bridge on State Highway 22, 3½ miles west of Geneva.	-		Oct. 27	0
Baker Creek.	....do.....	Lat 32°33', long 84°40', at bridge on State Highway 22, 4 miles east of Upatoi.	18.8	1948	Oct. 14	0
Tar River.	....do.....	Lat 32°33', long 84°42', at bridge on State Highway 22, 2½ miles east of Upatoi.	3.0	1948	Oct. 14	0
Kendall Creek	....do.....	Lat 32°33', long 84°43', at bridge on State Highway 22, 1½ miles east of Upatoi.	16.0	1943, 1948	Oct. 14	*.18
Cox Creek.	....do.....	Lat 32°33', long 84°44', at bridge on State Highway 22, 0.6 mile east of Upatoi.	3.3	1948, 1951	Oct. 14	0
Pine Knot Creek.	Eelbeck Creek	Lat 32°26', long 84°44', at bridge on State Highway 103, 1¼ miles east of Eelbeck.	67.2	1943-44, 1948, 1951	Oct. 13	*68.1
Randall Creek	Upatoi Creek.	Lat 32°35', long 84°48', at bridge on county road, 2 miles east of Midland.	4.64	1948	Oct. 14	0
Unnamed tributary.	Randall Creek	Lat 32°35', long 84°47', at bridge on county road, 2½ miles east of Midland.	.08	1948	Oct. 14	0
Do.	....do.....	Lat 32°35', long 84°47', at bridge on county road, 2½ miles east of Midland.	.11	1948	Oct. 14	0
Randall Creek	Upatoi Creek.	Lat 32°33', long 84°47', at bridge on State Highway 22, 2 miles west of Upatoi.	18.8	1943, 1948	Oct. 14	*.24
Unnamed tributary.	Randall Creek	Lat 32°33', long 84°46', at bridge on State Highway 22, 1½ miles west of Upatoi.	.28		Oct. 14	0
Dozier Creek.	....do.....	Lat 32°32', long 84°49', at bridge on State Highway 22, 4½ miles west of Upatoi.	3.4	1948	Oct. 14	*.05
Unnamed tributary.	Dozier Creek.	Lat 32°32', long 84°49', at bridge on State Highway 22, 4 miles west of Upatoi.	.23		Oct. 14	0
Do.	....do.....	Lat 32°33', long 84°48', at bridge on State Highway 22, 3½ miles west of Upatoi.	.14		Oct. 14	0
Randall Creek	Upatoi Creek.	Lat 32°27', long 84°48', at bridge on State Highway 103, 2½ miles northwest of Eelbeck.	47.2	1948	Oct. 13	*.13
Do.	....do.....	Lat 32°25', long 84°48', at bridge on 2nd Armored Division Road, 6 miles east of Sand Hill.	51.4	1943-44, 1948	Oct. 13	*.33
Unnamed tributary.	Long Branch.	Lat 32°25', long 84°50', at bridge on 2nd Armored Division Road, 4½ miles east of Sand Hill.	-		Oct. 13	0
Long Branch.	Upatoi Creek.	Lat 32°25', long 84°50', at bridge on 2nd Armored Division Road, 4 miles east of Sand Hill.	2.0	1948	Oct. 13	0
Wolf Creek.	....do.....	Lat 32°28', long 84°51', at bridge on State Highway 103, 5 miles northeast of Sand Hill.	2.0	1948	Oct. 13	0
Unnamed tributary.	Wolf Creek.	Lat 32°28', long 84°51', at bridge on State Highway 103, 5 miles northeast of Sand Hill.	2.3		Oct. 13	0
Wolf Creek.	Upatoi Creek.	Lat 32°26', long 84°51', at bridge on Steam Mill Road, 4 miles northeast of Sand Hill.	8.5	1948	Oct. 13	0
Do.	....do.....	Lat 32°25', long 84°50', at bridge on 2nd Armored Division Road, 4 miles east of Sand Hill.	9.3	1948	Oct. 13	*.22
Ochillee Creek.	....do.....	Lat 32°19', long 84°41', at bridge on State Highway 26, at Ida Vesper.	7.3	1948	Oct. 14	*3.43
Unnamed tributary.	Ochillee Creek.	Lat 32°19', long 84°43', at bridge on State Highway 26, 1½ miles west of Ida Vesper.	1.4	1948	Oct. 14	0
Ochillee Creek.	Upatoi Creek.	Lat 32°19', long 84°44', at bridge on Christopher Road, at Christopher.	24.2	1948	Oct. 14	*7.75
Do.	....do.....	Lat 32°22', long 84°49', at bridge on Hourglass Road, at Hurley.	51.7	1948	Oct. 13	*11.4
Steam Mill Creek.	....do.....	Lat 32°26', long 84°53', at bridge on St. Marys Road, 1½ miles northeast of Sand Hill.	1.5	1948	Oct. 13	0
Do.	....do.....	Lat 32°25', long 84°53', at bridge on 2nd Armored Division Road, 0.8 mile east of Sand Hill.	2.4	1948	Oct. 13	0
Tiger Creek.	....do.....	Lat 32°27', long 84°54', at bridge on Steam Mill Road 2½ miles north of Sand Hill.	2.0	1948	Oct. 13	0
Do.	....do.....	Lat 32°26', long 84°54', at bridge on St. Marys Road, 1¼ miles north of Sand Hill.	3.4	1948	Oct. 13	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Tiger Creek..	Uptoai Creek.	Lat 32°24', long 84°53', at bridge on road 0.2 mile above mouth, at Sand Hill.	4.9	1948	Oct. 13	*0.067
Heriot Creek. ....do.....		Lat 32°23', long 84°53', at bridge on Marne Road, 1½ miles south-east of Sand Hill.	2.2	1948	Oct. 13	*.93
Opossum Creek ....do.....		Lat 32°24', long 84°54', at bridge on State Highway 1, 0.6 mile southwest of Sand Hill.	1.3	1948	Oct. 14	0
Hamel Creek.. ....do.....		Lat 32°23', long 84°55', at bridge on Marne Road, 2½ miles south-west of Sand Hill.	1.5	1948	Oct. 13	*.48
Uptoai Creek.	Chattahoochee River.	Lat 32°23', long 84°57', at water plant, 1 mile from outpost No. 1.	447	1943	Oct. 12	*121
Armory Creek.	Uptoai Creek.	Lat 32°22', long 84°57', at bridge on Marne Road, 4 miles southwest of Sand Hill.	.9	1948	Oct. 13	*.22
Hichitee Creek.	Chattahoochee River.	Lat 32°18', long 84°47', at bridge on State Highway 1, 2½ miles south of Cusseta.	15.9	1948	Oct. 14	*3.07
Do.....do.....do.....		Lat 32°14', long 84°51', at bridge on county road, 4 miles north of Louvale.	46.4	1944	Oct. 26	*7.91
Hannahatchee Creek.	....do.....	Lat 32°09', long 84°50', at bridge on State Highway 1, 1½ miles south of Louvale.	74.1	1944, 1951-53	Oct. 26	*1.24
Frog Bottom Creek.	Colochee Creek.	Lat 32°06', long 84°49', at bridge on State Highway 1, 3½ miles north of Lumpkin.	7.68	1953	Oct. 26	*.25
Hannahatchee Creek.	Chattahoochee River.	Lat 32°09', long 84°57', at bridge on county road, 2½ miles south-west of Julia.	134		Oct. 26	*17.7
Tobannee Creek.	....do.....	Lat 31°52', long 85°06', at bridge on county road, 0.8 mile south of Georgetown.	12		Oct. 22	*3.44
Hodchodkee Creek.	Pataula Creek	Lat 32°03', long 84°47', at bridge on State Highway 27, 1 mile east of Lumpkin.	10.6	1953	Oct. 26	*4.36
McCallop Creek.	Holanna Creek	Lat 31°49', long 84°52', at bridge on State Highway 50, 5 miles northwest of Cuthbert.	3.4		Oct. 22	*.15
Holanna Creek	Pataula Creek	Lat 31°47', long 84°57', at bridge on county road, at Morris.	41		Oct. 22	*11.5
Hog Creek....	Cemochechobee Creek.	Lat 31°39', long 84°58', at bridge on county road, 5½ miles north-east of Fort Gaines.	25		Oct. 21	*5.29
Cemochechobee Creek.	Chattahoochee River.	Lat 31°37', long 85°03', at bridge on State Highway 39, 2 miles north of Fort Gaines.	103		Oct. 21	*32.4
Colomokee Creek.	....do.....	Lat 31°31', long 85°01', at bridge on State Highway 39, 6 miles south of Fort Gaines.	94		Oct. 21	*55.5
Sawhatchee Creek.	....do.....	Lat 31°17', long 85°02', at bridge on county road, 9 miles south-west of Blakely.	26		Oct. 23	*1.20
Flint River..	Apalachicola River.	Lat 33°37', long 84°24', at bridge on county road, 2 miles west of Forest Park.	3.1	1954	Sept.13	*1.15
Camp Creek...	Flint River..	Lat 33°34', long 84°26', at bridge on county road, 1½ miles south-west of Riverdale.	6.0	1953-54	Sept.13	*2.37
Flint River..	Apalachicola River.	Lat 33°14', long 82°24', at bridge on State Highway 92, 3½ miles south of Woolsey.	194	1951-53	Oct. 5 Oct. 12	*6.05 *6.31
Woolsey Creek	Horton Creek.	Lat 33°21', long 84°25', at bridge on county road, 0.5 mile from Woolsey.	2.9	1953	Oct. 5	*.33
Flint River..	Apalachicola River.	Lat 33°18', long 84°26', at county road, 9½ miles west of Griffin.	219		Oct. 1	.92
Heads Creek..	Wildcat Creek	Lat 33°18', long 84°21', at bridge on State Highway 92, 6 miles northwest of Griffin.	10	1952-54	Oct. 5 Oct. 12	*.46 *.98
Do.....do.....do.....		Lat 33°17', long 84°23', at bridge on county road, 7 miles west of Griffin.	22		Oct. 12	*1.48
Shoal Creek..	....do.....	Lat 33°16', long 84°23', at bridge on county road, 0.9 mile above mouth and 7½ miles west of Griffin.	21	1953-54	Oct. 5 Oct. 12	*1.33 *1.41
Wildcat Creek	Flint River..	Lat 33°16', long 84°24', at bridge on county road, 8½ miles west of Griffin.	48		Oct. 5 Oct. 12 Sept.26	*4.11 *2.79 *5.38
Whiteoak Creek.	....do.....	Lat 33°11', long 84°35', at bridge on State Highway 85, 0.7 mile north of Alvaton.	146	1943,1951	Oct. 18	3.89
Coleman Creek	Redoak Creek.	Lat 33°09', long 84°44', at bridge on State Highway 41, 1 mile north of Primrose.	7.7		Oct. 18	*.41

* Base flow

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Little Redoak Creek.	Redoak Creek.	Lat 33°08', long 84°44', at bridge on State Highway 41, 1½ miles southeast of Primrose.	8.6		Oct. 18	*0.80
Walnut Creek.	Bridge Creek.	Lat 33°00', long 84°43', at bridge on State Highway 41, 1 mile south of Greenville.	4.5	1953	Oct. 21	*.11
Kendall Creek	Walnut Creek.	Lat 32°59', long 84°43', at bridge on State Highway 41, 2½ miles south of Greenville.	8.70	1953	Oct. 18	*.92
Cold Spring Branch.	Cane Creek...	Lat 32°54', long 84°40', at government fish hatchery, 0.7 mile northeast of Warm Springs.	1.01	1943	Oct. 6	4.83
Edwards Creek	Lazar Creek..	Lat 32°43', long 84°33', at bridge on State Highway 41, 2½ miles north of Talbotton.	9.6	1951	Oct. 27	*1.03
Celeotchee Creek.	....do.....	Lat 32°48', long 84°33', at bridge on county road, 2 miles north of Woodland.	8.29		Oct. 27	*2.96
Ten Mile Creek.	Potato Creek.	Lat 32°56', long 84°21', at bridge on county road, 3½ miles northwest of Thomaston.	20		Oct. 5	*3.01
Basin Creek..	....do.....	Lat 32°56', long 84°23', at bridge on county road, 4 miles northwest of Thomaston.	6.70		Oct. 5	*1.03
Hackasofkee Creek.	Flint River..	Lat 32°42', long 84°26', at bridge on State Highway 22, 6½ miles east of Talbotton.	12.1	1944	Oct. 27	*.92
East Swift Creek.	Swift Creek..	Lat 32°52', long 84°15', at bridge on county road, 4½ miles southeast of Thomaston.	6.7	1943	Oct. 6	*1.35
Auchumpkee Creek.	Flint River..	Lat 32°45', long 84°13', at bridge on State Highway 22, 1½ miles southeast of Thomaston.	45.7	1943-44	Oct. 6	*.03
Ulochatchee Creek.	....do.....	Lat 32°46', long 84°07', at bridge on State Highway 22, 6½ miles northwest of Roberta.	29.9	1944	Oct. 22 Sept. 23	0 *.22
Flint River..	Apalachicola River.	Lat 32°40', long 84°06', at bridge on State Highway 128, 6 miles southwest of Roberta.	-	1920,1947	Sept. 22	*239
Spring Creek.	Flint River..	Lat 32°42', long 84°03', at bridge on State Highway 128, 2½ miles southwest of Roberta.	3.0		Oct. 22 Sept. 27	0 *.14
Culpepper Creek.	Spring Creek.	Lat 32°41', long 84°00', at bridge on State Highway 7, 2 miles south of Roberta.	-	1951	Oct. 22 Sept. 23	*1.16 *1.27
Mathews Creek	....do.....	Lat 32°42', long 84°02', at bridge on State Highway 128, 1½ miles southwest of Roberta.	6.5		Oct. 22 Sept. 22	0 *.37
Avera Creek..	....do.....	Lat 32°39', long 84°00', at bridge on county road, 4½ miles south of Roberta.	-		Sept. 23	*13.7
Patsiliga Creek.	Flint River..	Lat 32°34', long 84°05', at bridge on State Highway 128, 1 mile north of Reynolds.	158	1951	Oct. 22	*32.5
Unnamed tributary.	....do.....	Lat 32°33', long 84°00', at bridge on State Highway 96, at Nakomis.	12		Oct. 22 Sept. 22	*.03 *.95
Toteover Creek.	....do.....	Lat 32°27', long 84°05', at bridge on State Highway 128, 10½ miles north of Oglethorpe.	11	1944	Oct. 21	31.6
Cedar Creek..	Whitewater Creek.	Lat 32°26', long 84°23', at bridge on State Highway 137, 12½ miles southwest of Butler.	15		Oct. 20	*18.4
Shoal Creek..	Buck Creek...	Lat 32°23', long 84°27', at bridge on State Highway 137, at Tazewell.	43	1944	Oct. 20	*35.4
Buck Creek...	Flint River..	Lat 32°19', long 84°18', at bridge on State Highway 3, 5½ miles north of Ellaville.	144		Oct. 19	*89.9
Mills Creek..	....do.....	Lat 32°17', long 84°05', at bridge on State Highway 49, 1½ miles southwest of Oglethorpe.	7.8	1943	Oct. 21	*8.34
Beaver Creek.	....do.....	Lat 32°18', long 84°02', at bridge on State Highway 26, at Montezuma.	39	1946-47, 1951	Oct. 21	*18.2
Camp Creek...	....do.....	Lat 32°19', long 84°06', at bridge on State Highway 49, 5½ miles southwest of Oglethorpe.	54	1944,1951	Oct. 21	*18.9
Hogcrawl Creek.	....do.....	Lat 32°17', long 83°54', at bridge on county road, 7½ miles east of Montezuma.	41		Oct. 21	*.75
Horsehead Creek.	Hogcrawl Creek.	Lat 32°17', long 83°56', at bridge on State Highway 26, 5½ miles east of Montezuma.	16		Oct. 21	*.33
Unnamed tributary.	Gulley Creek.	Lat 31°57', long 83°50', at bridge on State Highway 30, 3 miles west of Cordele.	.9		Oct. 26	0
Cedar Creek..	Flint River..	Lat 31°56', long 83°47', at bridge on State Highway 7, 2½ miles south of Cordele.	13	1954	Oct. 26	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Chokee Creek.	Flint River..	Lat 31°57', long 84°03', at bridge on State Highway 30, at Desoto.	16	1954	Oct. 26	0
Unnamed tributary.	.....do.....	Lat 31°37', long 84°03', at bridge on State Highway 257, 7½ miles northeast of Albany.	17		Oct. 19	0
Piney Woods Creek.	.....do.....	Lat 31°34', long 84°02', at bridge on State Highway 50, 7 miles east of Albany.	54		Oct. 19	0
Do.....	.....do.....	Lat 31°36', long 84°03', at bridge on State Highway 257, 6½ miles east of Albany.	58		Oct. 19	0
Kinchafoonee Creek.	.....do.....	Lat 32°17', long 84°35', at bridge on county road, 4¼ miles southwest of Buena Vista.	34	1944, 1953	Oct. 20	*13.2
Muckalee Creek.	.....do.....	Lat 32°11', long 84°22', at bridge on State Highway 153, 5½ miles southwest of Ellaville.	54	1944	Oct. 19	*9.52
Little Muckalee Creek.	Muckalee Creek.	Lat 32°12', long 84°20', at bridge on State Highway 153, 2½ miles southwest of Ellaville.	9.2		Oct. 19	*1.62
Mill Creek...	.....do.....	Lat 32°03', long 84°11', at bridge on State Highway 30, 2½ miles east of Americus.	5.1		Oct. 26	0
Phillema Creek.	.....do.....	Lat 32°02', long 84°10', at bridge on State Highway 30, 5½ miles southeast of Americus.	.45		Oct. 26	0
Boggy Branch.	Phillema Creek.	Lat 32°00', long 84°07', at bridge on State Highway 30, 4 miles north of Leslie.	.9		Oct. 26	0
Radium Springs.	Flint River..	Lat 31°31', long 84°08', at mouth of outflow channel from springs, 4 miles south of Albany.	-	1937, 1951-54	Oct. 19 Nov. 7	4.09 18.0
Dry Creek....	.....do.....	Lat 31°27', long 84°08', at bridge on State Highway 3, near plant at Mitchell.	68		Oct. 19	0
Raccoon Creek	.....do.....	Lat 31°22', long 84°10', at bridge on State Highway 3, 1 mile south of Baconton.	93		Oct. 19	0
Coolleewahoe Creek.	.....do.....	Lat 31°30', long 84°17', at bridge on State Highway 62, 1½ miles east of Pretoria.	60		Oct. 19	0
Do.....	.....do.....	Lat 31°20', long 84°20', at bridge on State Highway 91, at Newton.	120		Oct. 20	*1.65
Town Branch..	Carter Creek.	Lat 31°46', long 84°47', at bridge on State Highway 50, east of Cuthbert.	4.9		Oct. 22	*2.49
Little Pachitla Creek.	Pachitla Creek.	Lat 31°35', long 84°44', at bridge on county road, 1½ miles north of Edison.	32		Oct. 26	*5.59
Pachitla Creek.	Ichawaynoch-away Creek	Lat 31°33', long 84°41', at bridge on State Highway 37, west of Dickey.	190	1951	Oct. 26	*62.0
Ichawaynoch-away Creek.	Flint River..	Lat 31°28', long 84°34', at bridge on State Highway 62, 3½ miles west of Leary.	600	1954	Oct. 26	*156
Alligator Creek.	Ichawaynoch-away Creek.	Lat 31°21', long 84°34', at bridge on county road, 2¼ miles southwest of Milford.	15		Oct. 20	0
Do.....	.....do.....	Lat 31°22', long 84°33', at bridge on county road, 1½ miles south of Milford.	16		Oct. 20	0
Chickasawhat- chee Creek.	.....do.....	Lat 31°44', long 84°23', at bridge on State Highway 50, 4½ miles southeast of Dawson.	24		Oct. 26	*1.13
Do.....	.....do.....	Lat 31°39', long 84°26', at bridge on county road, 8¼ miles south of Dawson.	63	1951	Oct. 26	*6.05
Kiokee Creek.	Chickasawhat- chee Creek.	Lat 31°30', long 84°22', at bridge on State Highway 62, 3 miles west of Pretoria.	67		Oct. 17	0
Unnamed tributary.	Kiokee Creek.	Lat 31°30', long 84°24', at bridge on State Highway 62, 5¼ miles west of Pretoria.	1.0		Oct. 19	2.64
Keel Creek...	Chickasawhat- chee Creek.	Lat 31°26', long 84°29', at bridge on State Highway 37, 3½ miles south of Leary.	11		Oct. 21	0
Chickasawhat- chee Creek.	Ichawaynoch-away Creek.	Lat 31°21', long 84°29', at bridge on State Highway 37, at Elmodel.	322		Oct. 21	*1.24
Ichawaynoch-away Creek.	Flint River..	Lat 31°13', long 84°28', at bridge on State Highway 91, 10½ miles southwest of Newton.	1,050	1940	Oct. 25	*215
Big Cypress Creek.	Ichawaynoch-away Creek.	Lat 31°15', long 84°36', at bridge on county road, 9½ miles northeast of Colquitt.	12		Oct. 20	0
Big Slough...	Flint River..	Lat 31°15', long 84°12', at bridge on State Highway 3, north of Camilla.	35		Oct. 20	0
Unnamed tributary.	Big Slough...	Lat 31°11', long 84°09', at bridge on State Highway 3, 3½ miles north of Pelham.	6.7		Oct. 20	0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Apalachicola River basin, Ga.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Flint River..	Apalachicola River.	Lat 30°55', long 84°35', at bridge on U. S. Highway 84, at Bain-bridge.	-		Oct. 8	2,450
Spring Creek.	Flint River..	Lat 31°25', long 84°47', at bridge on State Highway 62, 3½ miles southwest of Arlington.	54	1951-52, 1954	Oct. 14 Oct. 21	0 0
Unnamed tributary.	Spring Creek.	Lat 31°25', long 84°47', at bridge on State Highway 62, 3½ miles southwest of Arlington.	4.6		Oct. 14	0
Perry Creek..	....do.....	Lat 31°26', long 84°45', at bridge on State Highway 62, southwest of Arlington.	14		Oct. 21	*.03
Long Branch..	....do.....	Lat 31°18', long 84°42', at bridge on county road, at Damascus.	18		Oct. 21	0
Spring Creek.	Flint River..	Lat 31°10', long 84°45', at bridge on State Highway 1, at Colquitt.	284	1952, 1954	Oct. 21	*10.1
Big Drain Creek.	Spring Creek.	Lat 31°05', long 84°41', at bridge on State Highway 1, 1 mile south of Boykin.	42		Oct. 21	0
Aycocks Creek	....do.....	Lat 31°09', long 84°48', at bridge on State Highway 91, 4 miles west of Colquitt.	61		Oct. 21	0

Choctawhatchee River basin, Ala.

West Fork Choctawhatchee River.	Choctawhatchee River.	Sec. 14, T. 8 N., R. 25 E., at bridge on Alabama Highway 10, at Blue Springs.	84.7	1943-53	Oct. 13	*43.4
Choctawhatchee River.	Choctawhatchee Bay.	Sec. 21, T. 1 N., R. 22 E., at bridge on Alabama Highway 12, 1 mile east of Geneva.	1,347	1904, 1922-25, 1949	Feb. 2	*398
Double Bridges Creek.	Choctawhatchee River.	Sec. 20, T. 1 N., R. 22 E., at bridge on Alabama Highway 27, at Geneva.	194	1904, 1922-25, 1942	Oct. 12	*37.3
Pea River....	....do.....	Sec. 5, T. 5 N., R. 21 E., at bridge on county road, 6 miles east of Elba.	-	1948	Oct. 11	*39.8
Whitewater Creek.	Pea River....	Sec. 5, T. 5 N., R. 20 E., 1 mile above mouth and 1 mile north of Elba.	328	1905-6, 1935, 1942-46, 1951	Oct. 11	*49.6
Pea River....	Choctawhatchee.	Sec. 30, T. 1 N., R. 22 E., at bridge on Alabama Highway 30, 1 mile southwest of Geneva.	1,560	1922-25	Oct. 12	*186

Yellow River basin, Ala.

Lightwood Knot Creek.	Yellow River.	Sec. 36, T. 4 N., R. 17 E., at bridge on Alabama Highway 12, 1 mile east of Babble.	113	1942, 1944-53	Oct. 12	*29.2
Conecuh River	Escambia River.	Sec. 13, T. 10 N., R. 20 E., at bridge on U. S. Highway 51, 3 miles north of Troy.	253	1943-53	Oct. 11	*1.78
Escambia Creek.	....do.....	Sec. 33, T. 1 N., R. 8 E., at bridge on U. S. Highway 31, at Flomaton.	323	1939-51	Oct. 13	*141

Mobile River basin

Carteay River.	Coosawatee River.	Lat 34°38', long 84°25', at bridge on county road, 5½ miles south-east of Ellijay, Ga.	89.2		Oct. 21	*57.6
Rock Creek...	Cherrylog Creek.	Lat 34°47', long 84°24', at bridge on State Highway 5, 7½ miles northeast of Ellijay, Ga.	10.7	1951	Oct. 21	*4.99
Mountaintown Creek.	Coosawatee River.	Lat 34°45', long 84°33', at bridge on State Highway 2, 5½ miles northwest of Ellijay, Ga.	31.6		Oct. 21	*19.2
Talking Rock Creek.	....do.....	Lat 34°31', long 84°30', at bridge on State Highway 5, at Talking Rock, Ga.	17		Oct. 25	*3.26
Talona Creek.	Talking Rock Creek.	Lat 34°33', long 84°30', at bridge on county road, at Whitestone, Ga. 3½ miles north of Talking Rock, Ga.	26		Oct. 25	*6.79
Do.....	....do.....	Lat 34°32', long 84°31', at bridge on county road, 1½ miles north of Talking Rock, Ga.	35		Oct. 25	*9.32
Talking Rock.	Coosawatee River.	Lat 34°31', long 84°31', at bridge on State Highway 5, 1½ miles northwest of Talking Rock, Ga.	56	1951	Oct. 25	*11.5
Town Creek...	Talking Rock Creek.	Lat 34°33', long 84°33', at bridge on State Highway 5, 3 miles northwest of Talking Rock, Ga.	12.4		Oct. 25	*3.56
Scarecorn Creek.	....do.....	Lat 34°29', long 84°35', at bridge on State Highway 55, 5½ miles southwest of Talking Rock, Ga.	21.1	1953	Oct. 26	*4.51

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Talking Rock Creek.	Coosawatee River.	Lat 34°35', long 84°40', at bridge on State Highway 158, 2½ miles southwest of Carters, Ga.	142	1930	Oct. 25	*26.5
Coosawatee River.	Oostanaula River.	Lat 34°36', long 84°42', at bridge on State Highway 61, at Carters, Ga.	512	1952	Oct. 25	*214
Sugar Creek..	Coosawatee River.	Lat 34°40', long 84°43', at bridge on State Highway 61, 2 miles southeast of Ramhurst, Ga.	6.87	1952	Oct. 25	*1.08
Sallacoo Creek.	....do.....	Lat 34°26', long 84°43', at bridge on State Highway 53, 0.8 mile west of Fairmount, Ga.	50.8	1951-53	Oct. 22	*1.36
Pinhook Creek	Sallacoo Creek.	Lat 34°26', long 84°42', at bridge on State Highway 61, 2½ miles north of Fairmount, Ga.	16.5	1952-53	Oct. 25	*.53
Pinelog Creek	....do.....	Lat 34°22', long 84°43', at bridge on State Highway 61, 2 miles northeast of Pine Log, Ga.	24.2	1951-53	Oct. 11	*8.61
Little Pine-log Creek.	Pinelog Creek	Lat 34°21', long 84°45', at bridge on State Highway 140, 1¼ miles west of Pine Log, Ga.	11.1	1953	Oct. 11	*1.56
Pinelog Creek.	Sallacoo Creek.	Lat 34°26', long 84°46', at bridge on county road, 2 miles southeast of Sonoraville, Ga.	65.7	1953	Oct. 25	*14.3
Cedar Creek..	Pinelog Creek	Lat 34°24', long 84°50', at bridge on county road, 6½ miles east of Adairsville, Ga.	15.0	1953	Oct. 11	*.41
Do.....	....do.....	Lat 34°26', long 84°48', at bridge on county road, 4½ miles west of Fairmount, Ga.	28.1	1953	Oct. 25	*5.71
Pinelog Creek	Sallacoo Creek.	Lat 34°27', long 84°52', at bridge on State Highway 53, 5½ miles west of Fairmount, Ga.	99.2	1953	Oct. 22	*20.2
Dews Lake outflow.	Pinelog Creek	Lat 34°30', long 84°49', at bridge on county road, 6½ miles west of Ranger, Ga.	9.84	1949	Oct. 22	*8.48
Conasauga River.	Oostanaula River.	Lat 35°00', long 84°44', at bridge on U. S. Highway 411, 9½ miles north of Carndall, Ga.	107		Oct. 26	*20.0
Do.....	....do.....	Lat 34°55', long 84°50', at bridge on county road, at Beavertdale, 6½ miles northwest of Carndall, Ga.	181		Oct. 27	*28.3
Sumach Creek.	Conasauga River.	Lat 34°54', long 84°45', at bridge on State Highway 61, 2 miles north of Carndall, Ga.	23.8		Oct. 26	*1.25
Mill Creek...	....do.....	Lat 34°49', long 84°46', at bridge on State Highway 61, at Etowah, Ga.	21.7		Oct. 26	*2.14
Coahulla Creek.	....do.....	Lat 34°54', long 84°55', at bridge on county road, at Prater Mill and 9 miles north of Dalton, Ga.	87		Oct. 27	*11.3
Mill Creek...	Coahulla Creek.	Lat 34°48', long 85°01', at bridge on State Highway 3, 3½ miles northwest of Dalton, Ga.	18.0		Oct. 27	*2.98
Holly Creek..	Conasauga River.	Lat 34°46', long 84°46', at bridge on State Highway 2, at Chatsworth, Ga.	49.7	1951-52	Oct. 25	*2.61
Rock Creek...	Holly Creek..	Lat 34°42', long 84°44', at bridge on State Highway 61, at Ramhurst, Ga.	16.3	1952	Oct. 25	*1.17
Oothkalooa Creek.	Oostanaula River.	Lat 34°30', long 84°58', at bridge on State Highway 53, 1¼ miles southwest of Calhoun, Ga.	65.9		Oct. 21	*20.1
Snake Creek..	....do.....	Lat 34°34', long 85°01', at bridge on county road, at Sugar Valley, Ga.	13	1943, 1951	Oct. 21	*1.56
John Creek...	....do.....	Lat 34°26', long 85°06', at bridge on county road, 7 miles north of Shannon, Ga.	35	1943	Oct. 5	*5.52
Rocky Creek..	John Creek...	Lat 34°27', long 85°05', at bridge on county road, at Curryville, Ga.	10	1943	Oct. 20	0
Lowry Branch.	Oostanaula River.	Lat 34°28', long 85°07', at bridge on county road, 2½ miles west of Curryville, Ga.	10	1943	Oct. 5	*.20
Villanow Creek.	East Armuchee Creek.	Lat 34°41', long 85°07', at bridge on State Highway 2, 9½ miles east of LaFayette, Ga.	5.47	1943	Nov. 2	*.29
West Armuchee Creek.	Armuchee Creek.	Lat 34°34', long 85°10', at bridge on county road, 1½ miles north-east of Subligna, Ga.	34		Oct. 19	*5.40
Woodward Creek.	Oostanaula River.	Lat 34°25', long 85°02', at bridge on State Highway 53, 4 miles northeast of Shannon, Ga.	12		Oct. 5	*2.75
Etowah River.	Cocsa River..	Lat 34°31', long 84°04', at bridge on State Highway 9, 4½ miles west of Dahlonga, Ga.	68		Oct. 20	*37.3
Do.....	....do.....	Lat 34°21', long 84°07', at bridge on State Highway 9, 4½ miles south of Dawsonville, Ga.	128	1951, 1953	Oct. 13	*56.4

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Shoal Creek..	Etowah River.	Lat 34°25', long 84°09', at bridge on State Highway 53, 1½ miles west of Dawsonville, Ga.	20	1953	Oct. 13	*13.2
Cochrans Creek.	East Amicalola Creek.	Lat 34°32', long 84°12', at bridge on State Highway 52, ¾ miles northwest of Dawsonville, Ga.	6.8		Oct. 22	*4.55
Do.....	.....do.....	Lat 34°30', long 84°12', at bridge on State Highway 136, 6¼ miles northwest of Dawsonville, Ga.	26	1953	Oct. 22	*16.9
East Amicalola Creek.	Amicalola Creek.	Lat 34°29', long 84°12', at bridge on State Highway 183, 6¼ miles northwest of Dawsonville, Ga.	28	1953	Oct. 13	*20.6
Amicalola Creek.	Etowah River.	Lat 34°27', long 84°13', at bridge on county road, 5½ miles west of Dawsonville, Ga.	77	1953	Oct. 22	*42.8
Do.....	.....do.....	Lat 34°26', long 84°13', at bridge on State Highway 53, 5½ miles west of Dawsonville, Ga.	86	1953	Oct. 20	*50.3
Brewton Creek	.....do.....	Lat 34°19', long 84°13', at bridge on county road, 8½ miles northwest of Cumming, Ga.	-		Sept.22	*2.45
Settingdown Creek.	.....do.....	Lat 34°18', long 84°16', at bridge on county road, 7 miles southeast of Ball Ground, Ga.	49		Oct. 13	*4.38
Hinton Creek.	Long Swamp Creek.	Lat 34°29', long 84°25', at bridge on State Highway 108, 1½ miles north of Jasper, Ga.	3.2	1953	Oct. 26	*1.12
Darnell Creek	.....do.....	Lat 34°26', long 84°22', at bridge on State Highway 53, 2 miles northeast of Tate, Ga.	3.75	1953	Oct. 26	*.58
Long Swamp Creek.	Etowah River.	Lat 34°25', long 84°22', at bridge on State Highway 53, 1½ miles east of Tate, Ga.	54	1953	Oct. 26	*14.7
Do.....	.....do.....	Lat 34°20', long 84°21', at bridge on county road, 2 miles east of Ball Ground, Ga.	76		Oct. 13	*17.9
Smithwick Creek.	.....do.....	Lat 34°18', long 84°21', at bridge on county road, 3½ miles southeast of Ball Ground, Ga.	116	1930	Oct. 13	*2.08
Sharp Mountain Creek.	.....do.....	Lat 34°24', long 84°26', at bridge on State Highway 143, 4½ miles south of Jasper, Ga.	21.2	1953	Oct. 26	*5.68
Do.....	.....do.....	Lat 34°20', long 84°24', at bridge on county road, 1½ miles west of Ball Ground, Ga.	64.0		Oct. 12	*13.0
Do.....	.....do.....	Lat 34°19', long 84°24', at bridge on State Highway 5, 2½ miles southwest of Ball Ground, Ga.	73.2	1913	Oct. 13	*17.0
Etowah River.	Coosa River..	Lat 34°18', long 84°24', at bridge on county road, 3 miles south of Ball Ground, Ga.	569		Oct. 13	*198
Canton Creek.	Etowah River.	Lat 34°14', long 84°30', at bridge on State Highway 5 spur, at Canton, Ga.	22	1951	Oct. 12 Sept.23	*1.49 *1.50
Shoal Creek..	.....do.....	Lat 34°20', long 84°34', at bridge on State Highway 140, 0.8 mile northwest of Waleska, Ga.	21.0		Oct. 11 Sept.23	*2.75 *3.01
Do.....	.....do.....	Lat 34°18', long 84°34', at bridge on county road, 1½ miles southwest of Waleska, Ga.	29.5	1916	Oct. 11 Sept.23	*3.64 *3.15
Rubes Creek..	Little River.	Lat 34°06', long 84°30', at bridge on county road, 1 mile east of Woodstock, Ga.	14	1953	Oct. 12	*0
Little River.	Etowah River.	Lat 34°07', long 84°30', at bridge on State Highway 5, 1½ miles north of Woodstock, Ga.	137	1953	Oct. 12	*1.91
Noonday Creek	Little River.	Lat 33°59', long 84°36', at bridge on State Highway 29, 3½ miles northwest of Marietta, Ga.	4.1	1953-54	Sept.12	*.32
Do.....	.....do.....	Lat 34°05', long 84°32', at bridge on county road, 1 mile south of Woodstock, Ga.	43	1953	Oct. 12	*1.00
Proctor Creek	Etowah River.	Lat 34°02', long 84°40', at bridge on State Highway 3, 3 miles west of Kennesaw, Ga.	7.9	1953-54	Sept.12	*.44
Pettit Creek.	.....do.....	Lat 34°16', long 84°45', at bridge on State Highway 81, 1½ miles south of White, Ga.	2.6		Oct. 11	0
Do.....	.....do.....	Lat 34°11', long 84°49', at bridge on U. S. Highway 411, southeast of Atco, Ga.	38	1951-53	Oct. 8	*6.78
Nancy Creek..	Pettit Creek.	Lat 34°11', long 84°50', at bridge on county road, 2½ miles northwest of Cartersville, Ga.	11	1953	Oct. 8	*1.78
Raccoon Creek	Etowah River.	Lat 34°07', long 84°53', at bridge on State Highway 113, 1½ miles east of Stilesboro, Ga.	55	1951	Oct. 14	*4.98
Euharlee Creek.	.....do.....	Lat 33°59', long 85°05', at bridge on county road, 2 miles southwest of Rockmart, Ga.	24		Oct. 14	*.37

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Unnamed tributary.	Alin Creek...	Lat 33°59', long 85°03', at bridge on county road, 1 mile south of Rockmart, Ga.	7.9		Oct. 14	*.45
Do.....	Euharlee Creek.	Lat 34°01', long 85°03', at bridge on State Highway 101, 1½ miles north of Rockmart, Ga.	5.9		Oct. 14	0
Fish Creek...	.....do.....	Lat 34°01', long 85°07', at bridge on State Highway 6, 4 miles west of Rockmart, Ga.	15		Oct. 14	*.12
Euharlee Creek.	Etowah River.	Lat 34°02', long 85°03', at bridge on State Highway 101, at Aragon, Ga.	88	1951	Oct. 14	*24.5
Unnamed tributary.	Euharlee Creek.	Lat 34°05', long 85°07', at bridge on county road, 4 miles northwest of Aragon, Ga.	3.8		Oct. 15	0
Hill Creek...	.....do.....	Lat 33°59', long 84°59', at Southern Ry. bridge, 3½ miles east of Rockmart, Ga.	5.4		Oct. 15	0
Two Run Creek	Etowah River.	Lat 34°15', long 84°54', at bridge on State Highway 20, 3 miles east of Kingston, Ga.	32.0		Oct. 8	*7.67
Do.....	.....do.....	Lat 34°13', long 84°58', at bridge on county road, 2 miles southwest of Kingston, Ga.	50.0	1930	Oct. 7	*10.0
Barnsley Creek.	.....do.....	Lat 34°15', long 85°01', at bridge on State Highway 20, 4½ miles west of Kingston, Ga.	17		Oct. 7	*3.23
Dykes Creek..	.....do.....	Lat 34°15', long 85°05', at bridge on State Highway 20, 5½ miles east of Rome, Ga.	16		Oct. 5	*3.25
Unnamed tributary.	Silver Creek.	Lat 34°11', long 85°10', at bridge on county road, southeast of Lindale, Ga.	24		Oct. 7	*9.03
Beach Creek..	Coosa River..	Lat 34°16', long 85°16', at bridge on State Highway 20, 5½ miles west of Rome, Ga.	8.3		Oct. 5	*.22
Cedar Creek..	Big Cedar Creek.	Lat 33°57', long 85°13', at bridge on county road, 4½ miles south of Cedartown, Ga.	9.8	1943, 1951, 1953	Oct. 15	*2.05
Lime Branch..	Cedar Creek..	Lat 33°56', long 85°18', at bridge on county road, 6 miles southwest of Cedartown, Ga.	7.6	1953	Oct. 15	*.55
Unnamed tributary.	Lime Branch..	Lat 33°56', long 85°17', at State Highway 100, 5½ miles south of Cedartown, Ga.	5.8	1953	Oct. 15	*.38
Do.....	.....do.....	Lat 33°58', long 85°19', at bridge on county road, 5 miles southwest of Cedartown, Ga.	16	1943	Oct. 15	*.01
Lime Branch.	Cedar Creek..	Lat 33°58', long 85°16', at bridge on county road, 2½ miles south of Cedartown, Ga.	41	1953	Oct. 15	*6.74
Cedar Creek..	Big Cedar Creek.	Lat 34°01', long 85°16', at bridge on State Highway 6, at Cedartown, Ga.	73	1951	Oct. 14	*17.6
Do.....	.....do.....	Lat 34°08', long 85°18', at bridge on State Highway 53, 2½ miles northeast of Cave Springs, Ga.	160		Oct. 7	*62.5
Little Cedar Creek.	.....do.....	Lat 34°06', long 85°20', at bridge on county road, at Cave Springs, Ga.	18	1939, 1944, 1951-52	Oct. 6	*13.1
Unnamed tributary.	Little Cedar Creek.	Lat 34°06', long 85°20', at foot-bridge 75 ft above mouth, at Cave Springs, Ga.	5.5		Oct. 6	*6.58
Little Cedar Creek.	Big Cedar Creek.	Lat 34°07', long 85°20', at bridge on State Highway 53, at Cave Springs, Ga.	25		Oct. 6 Oct. 25	*24.8 *25.4
Do.....	.....do.....	Lat 34°08', long 85°20', at bridge on county road, 1½ miles north of Cave Springs, Ga.	28	1944	Oct. 6	*24.4
Chattooga River.	Coosa River..	Lat 34°42', long 85°16', at bridge on State Highway 2, at LaFayette, Ga.	3.9	1943, 1951	Nov. 1	*.88
Duck Creek...	Chattooga River.	Lat 34°40', long 85°20', at bridge on county road, 4½ miles southwest of LaFayette, Ga.	20.3		Nov. 1	*1.60
Allen Creek..	.....do.....	Lat 34°36', long 85°23', at bridge on county road, 9½ miles southwest of LaFayette, Ga.	13.4		Nov. 1	0
Chelsea Creek	Teloga Creek.	Lat 34°31', long 85°26', at bridge on county road, 3½ miles northeast of Menlo, Ga.	3.57		Oct. 19	*.25
Cane Creek...	Chattooga River.	Lat 34°34', long 85°19', at bridge on county road, 1½ miles north of Trion, Ga.	36.0	1951	Oct. 19	*.29
Wickers Creek	.....do.....	Lat 34°22', long 85°22', at bridge on county road, 3½ miles southeast of Lysterly, Ga.	5.7		Oct. 20	*1.17
Congo Spring.	Little River.	Sec. 35, T. 8 S., R. 9 E., 1 mile southwest of Congo, Ala.	-		May 10	*3.84

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Bristow Spring.	Unnamed branch to Coosa River	Sec. 3, T. 10 S., R. 8 E., $\frac{1}{2}$ mile southwest of Bristow and $1\frac{1}{2}$ miles northwest of Leesburg, Ala.	-		May 10 May 10 May 10	*0.48 *.65 *.44
Ladiga Creek.	Terrapin Creek.	Sec. 34, T. 12 S., R. 10 E., at bridge on Alabama Highway 74, $2\frac{1}{2}$ miles northeast of Piedmont, Ala.	-	1944-45	July 14	*6.30
Unnamed spring.	.....do.....	Sec. 6, T. 13 S., R. 10 E., at bridge on Southern Ry. at Piedmont, Ala.	-		July 14	*.58
City Spring..	.....do.....	Sec. 6, T. 13 S., R. 10 E., in Piedmont, Ala.	-		July 14	*.80
Springville Spring.	Big Canoe Creek.	Sec. 31, T. 14 S., R. 2 E., in Springville, Ala.	-		July 6 Aug. 9 Aug. 9 Sept. 6	*4.06 *2.29 *2.31 *1.99
Little Tallahatchee Creek.	Tallahatchee Creek.	Sec. 27, T. 14 S., R. 8 E., at bridge on county road, 2 miles northeast of Weaver, Ala.	-		July 12	*8.33
Williams Branch.	.....do.....	Sec. 14, T. 14 S., R. 8 E., at bridge on Southern Ry. at Jacksonville, Ala.	-	1948	July 12	*2.48
Tallahatchee Creek.	Ohatchee Creek.	Sec. 9, T. 14 S., R. 8 E., at bridge on county road, 2 miles west of Jacksonville, Ala.	-	1948	July 12	*29.2
Boiling Spring.	Choccolocco Creek.	Sec. 27, T. 16 S., R. 8 E., $2\frac{1}{2}$ miles east of Oxford, Ala.	-		July 13	*3.86
Coldwater Spring.	.....do.....	Sec. 32, T. 16 S., R. 7 E., below weir at Anniston pumping plant, Anniston, Ala.	-	1941, 1944-47	Dec. 9 Jan. 12	†35.4 †38.0
Cedar Spring.	Cheaha Creek.	Sec. 28, T. 17 S., R. 6 E., 7 miles northeast of Talladega, Ala.	-		July 15	*6.46
Crooked Creek	Tallasee-hatchee Creek.	Secs. 27-33, T. 21 S., R. 4 E., at highway bridge at east edge of Sylacauga, Ala.	-		June 20	*2.95
Do.....	.....do.....	Sec. 22, T. 21 S., R. 4 E., above Hickman Springs, $\frac{1}{2}$ mile upstream from highway bridge and 2 miles northeast of Sylacauga, Ala.	-		June 20	*3.81
Do.....	.....do.....	Sec. 22, T. 21 S., R. 4 E., below Hickman Springs at highway bridge, $2\frac{1}{2}$ miles northeast of Sylacauga, Ala.	-		June 20	*6.12
Do.....	.....do.....	Sec. 14, T. 21 S., R. 4 E., 200 ft below bridge on county road, 100 ft above pumping plant, 4 miles northeast of Sylacauga, Ala.	-	1943	June 20	*6.68
Bear Creek...	Tallapoosa River.	Lat 33°50', long 85°04', at bridge on State Highway 120, $7\frac{1}{2}$ miles east of Buchanan, Ga.	12	1953	Oct. 1	0
Beach Creek..	.....do.....	Lat 33°46', long 85°13', at bridge on State Highway 120, $3\frac{1}{2}$ miles southwest of Buchanan, Ga.	27	1943	Oct. 1	*2.46
Duncan Creek.	.....do.....	Lat 33°46', long 85°20', at bridge on county road, $3\frac{1}{2}$ miles northwest of Tallapoosa, Ga.	11	1953	Oct. 1	*9.29
Walker Creek.	.....do.....	Lat 33°42', long 85°16', at bridge on State Highway 100, $2\frac{1}{2}$ miles south of Tallapoosa, Ga.	15	1953	Oct. 1	*2.13
Tallapoosa River.	Alabama River	Sec. 34, T. 19 S., R. 10 E., at bridge on county highway, 1 mile northeast of Ocala, Ala.	787	1939-51	Oct. 1	*26.4
Shades Creek.	Cahaba River.	Sec. 24, T. 18 S., R. 3 W., at bridge on county road, at Hollywood, Ala.	-	1952-53	June 23	5.51
Unnamed branch.	Shades Creek.	Sec. 27, T. 18 S., R. 3 W., 1 mile northeast of Oxmoor, Ala.	-	1953	June 23	*.03
Shades Creek.	Cahaba River.	Sec. 33, T. 18 S., R. 3 W., at abandoned road, $1\frac{1}{2}$ miles southwest of Oxmoor, Ala.	-	1953	June 23	10.9
Unnamed branch.	Shades Creek.	Sec. 33, T. 18 S., R. 3 W., at highway bridge, $2/3$ mile southwest of Oxmoor, Ala.	-		June 23	*.02
Do.....	.....do.....	Sec. 5, T. 19 S., R. 3 W., at highway bridge, $\frac{1}{2}$ mile northeast of Shannon, Ala.	-	1953	June 23	*.05
Do.....	.....do.....	Sec. 5, T. 19 S., R. 3 W., at bridge on Louisville & Nashville RR., at Shannon, Ala.	-		June 23	*.04
Do.....	.....do.....	Sec. 8, T. 19 S., R. 3 W., at abandoned bridge at Shannon Mine, Ala.	-		June 23	*.10
Shades Creek.	Cahaba River.	Sec. 8, T. 19 S., R. 3 W., at old ford at Shannon Mine, Ala.	-	1953	June 23	11.1

* Base flow.

† Includes flow over weir and diversion from pool for municipal water supply for city of Anniston.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Unnamed branch.	Shades Creek.	Sec. 21, T. 19 S., R. 3 W., 1½ miles northeast of Parkwood, Ala.	-	1953	June 23	*0.20
Shades Creek.	Cahaba River.	Sec. 21, T. 19 S., R. 3 W., 1½ miles northeast of Parkwood, Ala.	-	1953	June 23	10.5
Do.....	....do.....	Sec. 20, T. 19 S., R. 3 W., at Louisville & Nashville RR. bridge, 1 mile west of Parkwood, Ala.	-	1953	June 23	10.8
Do.....	....do.....	Sec. 30, T. 19 S., R. 3 W., at bridge on county road, ½ mile southwest of Parkwood, Ala.	-	1953	June 23	9.59
Little Shades Creek.	Shades Creek.	Sec. 6, T. 19 S., R. 3 W., at bridge on county road between Shannon and Wenonah, Ala.	-		June 23	4.00
Do.....	....do.....	Sec. 23, T. 19 S., R. 4 W., below mine pumpage, 2½ miles northwest of Parkwood, Ala.	-	1953	June 23	11.8
Shades Creek.	Cahaba River.	Sec. 27, T. 19 S., R. 4 W., at bridge on county road, 1½ miles north of Greenwood, Ala.	-	1953	June 23	24.9
Unnamed branch.	Shades Creek.	Sec. 27, T. 19 S., R. 4 W., at bridge on county road, 1 mile north of Greenwood, Ala.	-		June 23	0
Shades Creek.	Cahaba River.	Sec. 34, T. 19 S., R. 4 W., at bridge on Southern Ry., 1 mile west of Greenwood, Ala.	-	1953	June 23	23.6
Allen Branch.	Shades Creek.	Sec. 35, T. 19 S., R. 4 W., at Southern Ry., 1/3 mile west of Morgan, Ala.	-		June 23	0
Unnamed branch.	....do.....	Sec. 34, T. 19 S., R. 4 W., at Southern Ry., 1½ miles west of Greenwood, Ala.	-		June 23	0
Shades Creek.	Cahaba River.	Sec. 3, T. 20 S., R. 4 W., at bridge on county road, 1 mile southwest of Greenwood, Ala.	-	1953	June 23	23.3
Do.....	....do.....	Sec. 9, T. 20 S., R. 4 W., at bridge on county road, 2½ miles southwest of Greenwood, Ala.	-	1953	June 23	25.6
Big Brown Creek.	East Fork Tombigbee River.	Lat 34°57', long 88°27', NE ¼ sec. 27, T. 5 S., R. 8 E., Chickasaw meridian, Prentiss County, at bridge on Highway 80, 6½ miles southeast of Booneville, Miss.	-	1952-54	Oct. 2	*.22
Mantachle Creek.	....do.....	Lat 34°15', long 88°29', SE ¼ sec. 32, T. 9 S., R. 8 E., Chickasaw meridian, Itawamba County, at bridge on U. S. Highway 78, ½ mile east of Dorsey, Miss.	62	1943, 1945-46, 1952-54	Nov. 22	*1.75
Little Coonewar Creek.	West Fork Tombigbee River.	Lat 34°16', long 88°47', NE ¼ sec. 32, T. 9 S., R. 5 E., Chickasaw meridian, Lee County, at bridge on county road, 4 miles west of Tupelo, Miss.	6.8	1945, 1953-54	Oct. 20	0
Do.....	....do.....	Lat 34°15', long 88°47', NE ¼ sec. 4, T. 10 S., R. 5 E., Chickasaw meridian, Lee County, at bridge on State Highway 6, 3¼ miles southwest of Tupelo, Miss.	10	1945, 1953	Oct. 20	0
Coonewar Creek.	....do.....	Lat 34°07', long 88°43', on line between secs. 12 and 7, T. 11 S., on line between R. 5 E., and R. 6 E., Chickasaw meridian, Lee County, at bridge ¼ mile upstream from Gulf, Mobile and Ohio RR. and 1 mile north of Shannon, Miss. on State Highway 45.	-	1952-54	Oct. 20	0
Tallabinnela Creek.	....do.....	Lat 34°03', long 88°45', sec. 11, T. 12 S., R. 5 E., Chickasaw meridian, Chickasaw County, at highway bridge, 2 miles north of Okolona, Miss.	35	1943, 1954	Oct. 20	0
Mattubby Creek.	Tombigbee River.	Lat 33°52', long 88°36', on line between secs. 7 and 8, T. 14 S., R. 7 E., Chickasaw meridian, Monroe County, at bridge on State Highway 45, 5½ miles upstream from mouth and 4½ miles northwest of Aberdeen, Miss.	-	1942, 1952-54	Oct. 20	0
Unnamed spring.	Robinson Creek.	Sec. 19, T. 9 N., R. 9 E., above millpond at Beatrice, Ala.	.10		May 11 May 24 June 22 July 19 July 25 Aug. 29	*.11 *.31 *.12 *.07 *.68 *.09
Unnamed branch.	....do.....	Sec. 19, T. 9 N., R. 9 E., below millpond at Beatrice, Ala.	.57		May 11 May 24 June 22 July 19 July 25 Aug. 29	*.02 7.63 *.22 *.10 *.18 *.02

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Williams Creek.	Buttahatchee River.	Sec. 35, T. 10 S., R. 14 W., at bridge on U. S. Highway 43, at Hamilton, Ala.	27.6	1954	Oct. 12 Sept. 25	*5.42 *5.52
Beaver Creek.	....do.....	Sec. 20, T. 12 S., R. 13 W., at bridge on U. S. Highway 78, 2 miles south of Guin, Ala.	-	1946, 1954	Oct. 12 Sept. 25	*2.79 *2.74
Purgatory Creek.	Beaver Creek.	Sec. 33, T. 12 S., R. 13 W., at bridge on State Highway 167, at Guin, Ala.	-	1954	Oct. 12 Sept. 24	*5.68 *6.25
Bogue Creek..	Buttahatchee River.	Sec. 31, T. 13 S., R. 15 W., at bridge on U. S. Highway 278, at Sulligent, Ala.	-	1954	Oct. 13 Sept. 24	*6.45 *6.71
Buttahatchie River.	Tombigbee River.	Lat 33°40', long 88°27', NE¼ sec. 19, T. 16 S., R. 18 W., Huntsville meridian, Lowndes County, at bridge on U. S. Highway 45, 3½ miles northwest of Kolola Springs, Miss.	874	1943-44, 1954	Oct. 20	*105
Line Creek...	Tibbee Creek.	Lat 33°39', long 89°04', S½ sec. 26, T. 16 S., R. 2 E., Chicksaw meridian, Webster County, at bridge ¼ mile downstream from Gulf, Mobile and Ohio RR., and 64 miles north of Maben, Miss. on Highway 15.	-	1952-54	Aug. 23	0
Do.....	....do.....	Lat 33°36', long 88°49', NE¼ sec. 22, T. 20 N., R. 4 E., Choctaw meridian, Clay County, at bridge on State Highway 10, 1 mile northeast of Cedar Bluff, Miss.	167	1944, 1953-54	Oct. 21	*.30
Trim Cane Creek.	Line Creek...	Lat 33°28', long 88°55', W½ sec. 35, T. 19 N., R. 15 E., Choctaw meridian, Oktibbeha County, 3 miles upstream from Biba Wila Creek and 6 miles west of Starkville, Miss.	-	1952-54	Oct. 21	0
Catalpa Creek	Tibbee Creek.	Lat 33°29', long 88°38', SE¼ sec. 28, T. 19 N., R. 16 E., Choctaw meridian, at bridge on U. S. Highway 82, 0.5 mile east of Maynew, Miss.	108	1942-44, 1952-54	Oct. 21	*.02
Luxapalila Creek.	Tombigbee River.	Sec. 12, T. 13 S., R. 13 W., at bridge on U. S. Highway 78, 2 miles northwest of Winfield, Ala.	-	1942-46, 1949, 1952-54	Oct. 12 Sept. 24	*3.76 *3.93
Yellow Creek.	Luxapalila Creek.	Sec. 28, T. 16 S., R. 15 W., below milldam, 1½ miles south of Vernon, Ala.	-	1942-45, 1954	Sept. 24	*8.52
Do.....	....do.....	Lat 33°34', long 88°19', SE¼ sec. 21, T. 17 S., R. 17 W., Huntsville meridian, Lowndes County, at bridge on county road, ¼ mile northwest of Steens, Miss.	-	1944, 1954	Oct. 20	*21.0
Luxapalila Creek.	Tombigbee River.	Lat 33°31', long 88°24', SW¼ sec. 11, T. 18 S., R. 18 W., Huntsville meridian, Lowndes County, at pumping plant, 3½ miles northeast of Columbus, Miss.	726	1943-44, 1954	Oct. 21	*60.9
Do.....	....do.....	Lat 33°30', long 88°24', SW¼ sec. 14, T. 16 S., R. 18 W., Huntsville meridian, Lowndes County, at highway bridge, 2.2 miles east of Columbus, Miss.	783	1942, 1954	Oct. 20	*57.9
Lubbub Creek.	....do.....	Sec. 28, T. 19 S., R. 14 W., at bridge on U. S. Highway 82, 1 mile east of Reform, Ala.	63.8	1954	Sept. 25	*.48
Bear Creek...	Lubbub Creek.	Sec. 5, T. 20 S., R. 13 W., at bridge on old U. S. Highway 82, 2 miles northeast of Gordo, Ala.	22.2	1954	Sept. 25	*2.02
Lubbub Creek.	Tombigbee River.	Sec. 9, T. 22 S., R. 1 W., at bridge on county road, ½ miles northeast of Aliceville, Ala.	300	1954	Sept. 24	*6.44
New River....	Sipsey River.	Sec. 10, T. 13 S., R. 11 W., at bridge on U. S. Highway 76, 8 miles east of Winfield, Ala.	55.6	1942, 1946, 1951, 1954	Oct. 12 Sept. 25	*1.56 *1.22
Little New River.	New River....	Sec. 8, T. 13 S., R. 11 W., at bridge on U. S. Highway 76, 6 miles east of Winfield, Ala.	45.1	1942, 1946, 1954	Oct. 12 Sept. 25	*.50 *.30
Noxubee River	Tombigbee River.	Lat 33°17', long 88°51', SE¼ sec. 32, T. 17 N., R. 14 E., Choctaw meridian, Oktibbeha County, 100 ft below diversion through Octoc Creek and 12 miles south of Starkville, Miss.	-	1941, 1954	Oct. 21	*5.54
Octoc Creek..	Noxubee River	Lat 33°18', long 88°51', NE¼ sec. 32, T. 17 N., R. 14 E., Choctaw meridian, Oktibbeha County, 100 ft below entrance of diversion from Noxubee River and 12 miles south of Starkville, Miss.	-	1941, 1954	Oct. 21	0

* Base flow.

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and easter Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Mobile River basin--Continued						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Hashuqua Creek.	Noxubee River	Lat 33°06', long 88°41', on line between sec. 32 and 5, on line between T. 14 N., and T. 15 N., R. 16 E., Choctaw meridian, Noxubee County, at bridge on State Highway 14, 1 mile upstream from mouth of Wolf Creek and 7 miles west of Macon, Miss.	-	1952-54	Nov. 8	*40.3
Running Water Creek	....do.....	Lat 33°02', long 88°34', in sec. 28, T. 14 N., R. 17 E., Choctaw meridian, Noxubee County, at bridge on U. S. Highway 45, 4½ miles south of Macon, Miss.	46	1942-44, 1952-54	Nov. 8	*5.73
Brindle Creek	Mulberry Fork.	Sec. 15, T. 11 S., R. 2 W., at bridge on county road, 2 miles northeast of Hanceville, Ala.	106	1949, 1954	Oct. 12 Sept. 26	*.16 3.78
Copeland Creek.	....do.....	Sec. 12, T. 11 S., R. 1 W., at bridge on county road, at Blountsville, Ala.	-	1954	Oct. 12 Sept. 26	*.13 .70
Do.....	....do.....	Sec. 20, T. 11 S., R. 1 W., at bridge on county road, near Chambliss Mill, Ala.	-	1954	Oct. 12 Sept. 26	*5.49 6.12
Unnamed branch.	Sandy Creek..	Sec. 17, T. 10 S., R. 8 W., at bridge on county road, 1½ miles north of Double Springs, Ala.	-		Oct. 13	*.49
West Fork....	Sipsey Fork..	Sec. 30, T. 10 S., R. 7 W., at bridge on State Highway 74, 5 miles east of Double Springs, Ala.	176	1942, 1949, 1954	Oct. 13 Sept. 24	*7.82 *5.26
Sipsey Fork..	Mulberry Fork	Sec. 33, T. 11 S., R. 7 W., at bridge on county road, 1½ miles north of Falls City, Ala.	365	1943-54	Sept. 24	*7.99
Pumphouse Creek.	Clear Creek..	Sec. 32, T. 9 S., R. 10 W., at dam site at Haleyville, Ala.	-	1954	Oct. 13 Sept. 26	*.26 *.23
Clear Creek..	Sipsey Fork..	Sec. 1, T. 11 S., R. 9 W., at bridge on county road, 2 miles southwest of Double Springs, Ala.	88.5	1954	Oct. 13 Sept. 24	*9.42 *9.61
Do.....	....do.....	Sec. 9, T. 12 S., R. 7 W., at bridge on county road, ½ mile south of Falls City, Ala.	147	1904-5, 1939-54	Sept. 24	*16.3
Mill Creek...	Lost Creek...	Sec. 17, T. 13 S., R. 9 W., at bridge on county road, 1 mile northeast of Carbon Hill, Ala.	28.5	1954	Oct. 12 Sept. 25	*.24 *.21
Calvert Prong	Locust Fork..	Sec. 14, T. 12 S., R. 1 E., at bridge on U. S. Highway 231, 3½ miles northwest of Oneonta, Ala.	34.8	1949, 1954	Oct. 11 Sept. 26	*6.16 7.12
North River..	Black Warrior River.	Sec. 16, T. 18 S., R. 10 W., at bridge on county road, 4 miles north of Samantha, Ala.	219	1939-54	Sept. 25	*.51
Big Sandy Creek.	....do.....	Sec. 14 (revised), T. 24 N., R. 8 E., at bridge on U. S. Highway 82, at Duncanville, Ala.	56.0	1943-45, 1954	Oct. 11 Sept. 24	*21.6 *20.0
Elliot's Creek	....do.....	Sec. 1, T. 23 N., R. 4 E., at bridge on State Highway 13, at Moundville, Ala.	31.2	1949, 1954	Oct. 12 Sept. 24	*9.11 *7.20
Fivemile Creek.	....do.....	Sec. 18, T. 22 N., R. 4 E., at bridge on State Highway 60, 1 mile east of Akron, Ala.	104	1943-44, 1954	Oct. 12 Sept. 24	*3.44 *3.38
Big Brush Creek.	....do.....	Sec. 2, T. 21 N., R. 3 E., at bridge on State Highway 60, 1 mile northeast of Wedgeworth, Ala.	193	1943-45, 1954	Oct. 12 Sept. 24	*1.69 *3.50
Bassetts Creek.	Tombigbee River.	Sec. 25, T. 6 N., R. 1 W., at bridge on U. S. Highways 43 and 84, 1½ miles north of Wagarville, Ala.	128	1954	Oct. 1	*5.42
Lewis Creek..	....do.....	Sec. 37, T. 4 N., R. 1 W., at bridge on U. S. Highway 43, 5 miles north of McIntosh, Ala.	43.9	1954	Oct. 1	*.84
Bilbo Creek..	....do.....	Sec. 3, T. 3 N., R. 1 E., at bridge on U. S. Highway 43, 2 miles south of McIntosh, Ala.	73.2	1954	Oct. 1	*.82
Bates Creek..	....do.....	Sec. 24, T. 3 N., R. 1 W., 0.6 mile above U. S. Highway 43 and 4 miles northwest of Calvert, Ala.	73.7	1954	Oct. 1	*.45
Cedar Creek..	Mobile River.	Sec. 10, T. 1 N., R. 1 W., just below Cedar Falls, 4 miles southwest of Mt. Vernon, Ala.	71.2	1954	Oct. 3	*6.40
Bayou Sara...	....do.....	Sec. 35, T. 2 S., R. 1 W., at bridge on county road, 2 miles west of Saraland, Ala.	13.6	1949, 1954	Oct. 1	*2.96
Eight Mile Creek.	Chickasaw Creek.	Sec. 36, T. 3 S., R. 2 W., at bridge on Bear Fork Road, 1½ miles south of Eight Mile, Ala.	27.0	1954	Oct. 2	*29.4
Three Mile Creek.	Mobile Bay...	Sec. 12, T. 4 S., R. 2 W., at bridge on State Highway 42, 1 mile west of Crichton, Ala.	12.1	1949, 1954	Oct. 2	*10.0

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pascagoula River basin, Miss.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Leaf River...	Pascagoula River.	Lat 32°01', long 89°26', SW $\frac{1}{4}$ sec. 13, T. 2 N., R. 8 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 2 $\frac{1}{2}$ miles west of Sylvaena.	118	1943, 1951-52	Oct. 25	*0.36
Ichusa Creek.	Leaf River...	Lat 32°01', long 89°24', W $\frac{1}{2}$ sec. 17, T. 2 N., R. 9 E., Choctaw meridian, Smith County, at bridge 2 $\frac{1}{2}$ miles upstream from mouth and 1 $\frac{1}{2}$ miles west of Sylvaena on State Highway 18.	-	1952	Oct. 25	0
West Tallahala Creek.	....do.....	Lat 32°00', long 89°22', NE $\frac{1}{4}$ sec. 22, T. 2 N., R. 9 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 2 miles southeast of Sylvaena.	155	1943, 1951-52	Oct. 25	*.19
Oakohay Creek	....do.....	Lat 32°03', long 89°34', on line between sec. 34, T. 3 N., and sec. 3, T. 2 N., R. 7 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 3 miles west of Raleigh.	66	1943, 1951-52	Oct. 25	0
Big Creek....	....do.....	Lat 31°41', long 89°19', SW $\frac{1}{4}$ sec. 4, T. 8 N., R. 13 W., St. Stephens meridian, Jones County, at bridge on U. S. Highway 84, 10 $\frac{1}{2}$ miles west of Laurel.	97	1943-44, 1951, 1954	Oct. 27	*17.5
Leaf River...	Pascagoula River.	Lat 31°37', long 89°20', sec. 32, T. 8 N., R. 13 W., St. Stephens meridian, Jones County, 1 $\frac{1}{2}$ miles downstream from Big Creek and 8 miles west of Ellisville, on State Highway 586.	-	1945, 1954	Oct. 27	*114
Oakey Woods Creek.	Leaf River...	Lat 31°41', long 89°28', SW $\frac{1}{4}$ sec. 1, T. 8 N., R. 15 W., St. Stephens meridian, at bridge on U. S. Highway 84, Covington County, 6 miles northeast of Collins.	15	1943, 1951-52, 1954	Oct. 26	*1.81
Station Creek	Oakey Woods Creek.	Lat 31°40', long 89°30', on line between secs. 9 and 16, T. 8 N., R. 15 W., St. Stephens meridian, Covington County, at bridge on U. S. Highway 84, 3.1 miles northeast of Collins.	59	1943, 1951-52, 1954	Oct. 26	*1.08
Okatoma Creek	Bowie Creek..	Lat 31°48', long 89°39', sec. 7, T. 9 N., R. 16 W., St. Stephens meridian, Covington County, at bridge $\frac{1}{2}$ mile east of Mount Olive on State Highway 35.	-	1945, 1954	Oct. 27	*41.4
Do.....	....do.....	Lat 31°59', long 89°53', NW $\frac{1}{4}$ sec. 19, T. 8 N., R. 15 W., St. Stephens meridian, Covington County, at bridge on U. S. Highway 84, at Collins.	167	1943-45, 1951-52, 1954	Oct. 26	*45.6
Big Creek....	....do.....	Lat 31°23', long 89°23', in NE $\frac{1}{4}$ sec. 23, T. 5 N., R. 14 W., St. Stephens meridian, at bridge on U. S. Highway 49, 1 mile upstream from mouth and 5 $\frac{1}{2}$ miles northwest of intersection of U. S. Highway 49 and State Highway 24 in Hattiesburg.	-	1953-54	Oct. 19	*.54
Gorden Creek.	Leaf River...	Lat 31°46', long 89°18', in W $\frac{1}{2}$ sec. 10, T. 4 N., R. 13 W., St. Stephens meridian, Forrest County, at bridge on Ronnie Street in Hattiesburg, 1/8 mile upstream from New Orleans & Northeastern RR. bridge.	-	1952, 1954	Oct. 19	*.18
Burkette Creek.	....do.....	Lat 31°17', long 89°18', NE $\frac{1}{4}$ sec. 28, T. 4 N., R. 13 W., St. Stephens meridian, Forrest County, on U. S. Highway 49, 1 $\frac{1}{2}$ miles south of Hattiesburg.	-	1953-54	Oct. 18	*.21
Priests Creek	....do.....	Lat 31°16', long 89°17', NE $\frac{1}{4}$ sec. 34, T. 4 N., R. 13 W., St. Stephens meridian, Forrest County, on U. S. Highway 49, 2 $\frac{1}{2}$ miles south of Hattiesburg.	-	1953-54	Oct. 18	*3.01
Myers Creek..	....do.....	Lat 31°14', long 89°16', SE $\frac{1}{4}$ sec. 11, T. 3 N., R. 13 W., St. Stephens meridian, in Forrest County, on U. S. Highway 49, 5 $\frac{1}{2}$ miles south of Hattiesburg.	-	1953-54	Oct. 18	*.49
Tallahoma Creek.	Tallahala Creek.	Lat 32°00', long 89°14', NE $\frac{1}{4}$ sec. 23, T. 2 N., R. 10 E., Choctaw meridian, Jasper County, at bridge 2 $\frac{1}{2}$ miles northeast of Bay Springs on State Highway 18.	-	1952, 1954	Oct. 25	*.04

* Base flow.

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pascagoula River basin, Miss.--Continued						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Tallahama Creek.	Tallahama Creek.	Lat 31°43', long 89°10', SE $\frac{1}{4}$ sec. 26, T. 9 N., R. 12 W., St. Stephens meridian, Jones County, at bridge on county road, 2 miles northwest of Laurel and 1.2 miles above U. S. Highway 84 bridge.	-		Oct. 27	*1.61
Denham Creek.	Leaf River...	Lat 31°12', long 89°05', W $\frac{1}{2}$ sec. 22, T. 3 N., R. 11 W., St. Stephens meridian, Perry County, at bridge $\frac{1}{2}$ mile upstream from mouth and $\frac{1}{2}$ mile south of Mahned on U. S. Highway 98.	-	1953-54	Oct. 21	*3.47
Bogue Homo...	.....do.....	Lat 31°24', long 89°01', NW $\frac{1}{4}$ sec. 17, T. 5 N., R. 10 W., St. Stephens meridian, Perry County, at bridge on county road, 4 miles above State Highway 42 and 7 miles northwest of Richton.	-	1944	Oct. 22	*8.35
Buck Creek..	Bogue Homo...	Lat 31°21'50", long 89°02'55", in SE $\frac{1}{4}$ sec. 25, T. 5 N., R. 11 W., St. Stephens meridian, Perry County, at bridge on State Highway 42, $2\frac{1}{2}$ miles upstream from Bogue Homo and 3.7 miles east of Runnelstown.	19.1	1954	Oct. 21	*1.59
Dickey's Creek.	Leaf River...	Lat 31°11', long 88°56', NW $\frac{1}{4}$ sec. 31, T. 3 N., R. 9 W., St. Stephens meridian, Perry County, at bridge $\frac{1}{2}$ mile upstream from mouth and $\frac{1}{2}$ miles northwest of Beaumont on State Highway 24.	-	1953-54	Oct. 21	*.85
Carters Creek	.....do.....	Lat 31°10', long 88°55', NW $\frac{1}{4}$ sec. 5, T. 2 N., R. 9 W., St. Stephens meridian, Perry County, at bridge $\frac{1}{2}$ mile upstream from mouth and $\frac{1}{2}$ mile southeast of Beaumont on U. S. Highway 98.	-	1953-54	Oct. 21	*.80
Thompson Creek.	.....do.....	Lat 31°21', long 88°55', NW $\frac{1}{4}$ sec. 32, T. 5 N., R. 9 W., St. Stephens meridian, Perry County, at bridge $\frac{1}{2}$ mile east of Richton on State Highway 42.	-	1943, 1951 1953-54	Oct. 22	*5.22
Little Creek.	.....do.....	Lat 31°08', long 88°51', SW $\frac{1}{4}$ sec. 15, T. 2 N., R. 9 W., St. Stephens meridian, Perry County, 5 miles southeast of Beaumont.	-	1953-54	Oct. 21	*2.56
Big Oktibbee Creek.	.....do.....	Lat 31°05', long 88°45', SE $\frac{1}{4}$ sec. 35, T. 2 N., R. 8 W., St. Stephens meridian, Green County, on State Highway 15, 2.3 miles east of junction of State Highway 24, near McLain.	-	1953-54	Oct. 19	0
Piney Woods Creek.	Gaines Creek.	Lat 31°26', long 88°48', NE $\frac{1}{4}$ sec. 32, T. 6 N., R. 8 W., St. Stephens meridian, Wayne County, at bridge $\frac{3}{4}$ miles northeast of Piave on county road.	-	1953-54	Oct. 19	*.10
Gaines Creek.	Leaf River...	Lat 31°20', long 88°51', NE $\frac{1}{4}$ sec. 1, T. 4 N., R. 9 W., St. Stephens meridian, at bridge on county highway, 6 miles east of Richton.	54	1943, 1951 1953, 1954	Oct. 22	*.38
Chunky Creek.	Chickasawhay River.	Lat 32°33', long 89°07', W $\frac{1}{2}$ sec. 7, T. 8 N., R. 12 E., Choctaw meridian, Newton County, at bridge $\frac{1}{2}$ mile downstream from Gulf, Mobile and Ohio RR. and $1\frac{1}{2}$ miles south of Union on Highway 15.	-	1952, 1954	Oct. 21	*.16
Potterchitto Creek.	Chunky Creek.	Lat 32°20', long 89°11', SW $\frac{1}{4}$ sec. 28, T. 6 N., R. 11 E., Choctaw meridian, Newton County, at bridge on county road 1 mile northwest of Newton.	6.0	1942-44, 1951-52, 1954	Oct. 22	*.73
Do.....	.....do.....	Lat 32°21', long 89°08', SE $\frac{1}{4}$ sec. 23, T. 6 N., R. 11 E., Choctaw meridian, Newton County, at bridge $\frac{1}{2}$ mile downstream from Gulf, Mobile and Ohio RR. and 2 miles northeast of Newton on State Highway 15.	-	1952, 1954	Oct. 21	*.93
Tarlow Creek.	Potterchitto Creek.	Lat 32°17', long 89°09', W $\frac{1}{2}$ sec. 11, T. 5 N., R. 11 E., Choctaw meridian, Newton County, at bridge on State Highway 15, $\frac{1}{2}$ mile downstream from mouth of Bethel Creek and $2\frac{1}{2}$ miles south of Newton.	-	1952-53	Oct. 21	*.14

Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pascagoula River basin, Miss.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Turkey Creek.	Potterchitto Creek.	Lat 32°23', long 89°07', NE $\frac{1}{4}$ sec. 12, T. 6 N., R. 11 E., Choctaw meridian, Newton County, at bridge $\frac{1}{2}$ mile downstream from Gulf, Mobile & Ohio RR. and 4 miles south of Decatur on State Highway 15.	-	1952, 1954	Oct. 21	*0.02
Unnamed tributary.	Turkey Creek.	Lat 32°20', long 89°06', NE $\frac{1}{4}$ sec. 30, T. 6 N., R. 12 E., Choctaw meridian, Newton County, at culvert on U. S. Highway 80, 0.2 mile upstream from mouth and 3.8 miles northeast of Newton.	-	1953	Oct. 22	0
Bethel Creek.	Potterchitto Creek.	Lat 32°20', long 89°03', on line between secs. 26 and 27, T. 6 N., R. 12 E., Choctaw meridian, Newton County, at bridge on U. S. Highway 80, 1.7 miles west of Hickory.	22	1943, 1951-52, 1954	Oct. 22	*.27
Tallahatta Creek.	Chunky Creek.	Lat 32°20', long 88°52', SW $\frac{1}{4}$ sec. 28, T. 6 N., R. 14 E., Choctaw meridian, Lauderdale County, at bridge on U. S. Highway 80, 2 miles upstream from mouth and 0.5 mile west of Meehan Junction.	71	1943-44, 1951-54	Oct. 22	*.51
Okatibbee Creek.	Chickasawhay River.	Lat 32°21', long 88°45', E $\frac{1}{2}$ sec. 22, T. 6 N., R. 15 E., Choctaw meridian, Lauderdale County, at bridge $\frac{1}{2}$ mile west of city limits of Meridian on Old Highway 80.	-	1953-54	Oct. 22	*2.57
Pachuta Creek.	Souinlovey Creek.	Lat 32°02', long 88°53', NE $\frac{1}{4}$ sec. 8, T. 2 N., R. 14 E., Choctaw meridian, Clarke County, at bridge on U. S. Highway 11, $\frac{1}{2}$ mile south of Pachuta.	23	1943, 1951-52, 1954	Oct. 18	*1.34
Do.....	.....do.....	Lat 32°06', long 88°50', SW $\frac{1}{4}$ sec. 14, T. 2 N., R. 14 E., Choctaw meridian, Clark County, at bridge on county road, $\frac{1}{2}$ mile upstream from mouth and 2 miles northwest of Harmony.	-	1952, 1954	Oct. 18	*1.29
Archusa Creek.	Chickasawhay River.	Lat 32°02', long 88°43', SE $\frac{1}{4}$ sec. 1, T. 2 N., R. 15 E., Choctaw meridian, Clark County, at bridge on State Highway 18, 1 mile east of Quitman.	55	1943, 1951-52, 1954	Oct. 18	*19.0
Carson Sand Creek.	.....do.....	Lat 31°47', long 88°41', W $\frac{1}{2}$ sec. 34, T. 10 N., R. 7 W., St. Stephens meridian, Wayne County, at bridge 1 mile upstream from mouth and 1 mile south of Hiwannee on Highway 45.	-	1953-54	Oct. 19	*.69
Hortons Mill Creek.	.....do.....	Lat 31°45', long 88°39', SW $\frac{1}{4}$ sec. 13, T. 9 N., R. 7 W., St. Stephens meridian, Wayne County, 4.5 miles north of Waynesboro on U. S. Highway 45.	-	1953-54	Oct. 19	*1.48
Bucatunna Creek.	.....do.....	Lat 32°05', long 88°35', NW $\frac{1}{4}$ sec. 20, T. 3 N., R. 17 E., Choctaw meridian, Clarke County, at bridge 2 miles upstream from Long Creek and $\frac{1}{2}$ mile east of Sykes on State Highway 18.	-	1953-54	Oct. 18	*.38
Long Creek...	.....do.....	Lat 32°06', long 88°37', NE $\frac{1}{4}$ sec. 24, T. 3 N., R. 16 E., Choctaw meridian, Clarke County, at bridge 2 $\frac{1}{2}$ miles upstream from mouth and 8 miles northeast of Quitman on State Highway 18.	-	1953-54	Oct. 11	*1.37
Rocky Creek...	.....do.....	Lat 32°05', long 88°32', SE $\frac{1}{4}$ sec. 22, T. 3 N., R. 17 E., Choctaw meridian, Clarke County, at bridge at intersection of Greasy Creek, 2 $\frac{1}{2}$ miles east of Sykes on State Highway 18.	-	1953-54	Oct. 18	0
Buckatunna Creek.	.....do.....	Lat 31°39', long 88°31', S $\frac{1}{2}$ sec. 18, T. 8 N., R. 5 W., St. Stephens meridian, Wayne County, at bridge 0.3 mile east of Denham on county road.	468	1943, 1953-54	Oct. 19	*13.3
Big Creek....	.....do.....	Lat 31°35', long 88°42', N $\frac{1}{2}$ sec. 16, T. 7 N., R. 7 W., St. Stephens meridian, Wayne County, at bridge on State Highway 63 at Clara.	46	1943-44, 1951, 1953-54	Oct. 19	*4.50
Do.....	.....do.....	Lat 31°13', long 88°39', NE $\frac{1}{4}$ sec. 13, T. 3 N., R. 7 W., St. Stephens meridian, Green County, at truss bridge on State Highway 63, 1 mile upstream from Mason Creek, 6.2 miles north of Leakesville.	-	1954	Oct. 19	*4.04

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pascagoula River basin, Miss.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Big Creek....	Chickasawhay River.	Lat 31°08', long 88°39', NW¼ sec. 24, T. 2 N., R. 7 W., St. Stephens meridian, Greene County, at bridge on State Highway 24, 6½ miles west of Leakesville	140	1943-44, 1951, 1953-54	Oct. 19	*10.2
Brushy Creek. ....do.....		Lat 31°08', long 88°40', on line between secs. 14 and 23, T. 2 N., R. 7 W., St. Stephens meridian, Green County, at bridge ½ mile upstream from mouth and 7 miles west of Leakesville on Highway 594.	-	1953-54	Oct. 19	*1.18
Whiskey Creek	Pascagoula River.	Lat 30°55', long 88°47', SE¼ sec. 28, T. 1 S., R. 8 W., St. Stephens meridian, George County, at bridge on county road, 5½ miles southwest of Merrill and 2 miles above mouth.	-	1954	Oct. 20	*4.70
Big Creek....	....do.....	Lat 30°56', long 88°37', SE¼ sec. 19, T. 1 S., R. 6 W., St. Stephens meridian, George County, at bridge on U. S. Highway 98, ¼ mile downstream from Gulf, Mobile & Ohio RR. and 2 miles northwest of Lucedale.	-	1954	Oct. 20	*11.1
Do.....	....do.....	Lat 30°51', long 88°42', SW¼ sec. 21, T. 2 S., R. 7 W., St. Stephens meridian, George County, at bridge 2½ miles upstream from mouth and 8 miles southwest of Lucedale on county road.	-	1953	Oct. 20	*14.9
Black Creek..	....do.....	Lat 30°41', long 88°35', NW¼ sec. 22, T. 4 S., R. 6 W., St. Stephens meridian, Jackson County, at bridge 5½ miles upstream from mouth and 3½ miles north of Wade on county road.	-	1953	Oct. 20	*.60
Little Black Creek.	Black River..	Lat 31°04', long 89°25', SE¼ sec. 5, T. 1 N., R. 14 W., St. Stephens meridian, Lamar County, at bridge on U. S. Highway 11, 5 miles north of Lumberton.	-		Oct. 19	*12.3
Boggy Hollow Creek.	Little Black Creek.	Lat 31°05', long 89°25', SW¼ sec. 33, T. 2 N., R. 14 W., St. Stephens meridian, Lamar County, at bridge on U. S. Highway 11, 1½ miles upstream from mouth and 5.9 miles north of Lumberton.	22.4	1953-54	Oct. 19	*8.17
Big Creek....	Black Creek..	Lat 31°04', long 89°16', in NE¼ sec. 11, T. 1 N., R. 13 W., St. Stephens meridian, at highway bridge, 1 mile upstream from mouth and 5 miles west of Brooklyn, Forrest County.	-	1954	Oct. 18	*2.19
Black Creek..	Pascagoula River.	Lat 31°03', long 89°12', NW¼ sec. 18, T. 1 N., R. 12 W., St. Stephens meridian, Forrest County, at bridge on U. S. Highway 49, at Brooklyn.	360	1942-45, 1954	Oct. 18	*108
Wall Creek...	Black Creek..	Lat 31°05'47", long 89°12'53", in NE¼ sec. 32, T. 2 N., R. 12 W., St. Stephens meridian, at bridge 2.0 miles upstream from mouth and 3.0 miles northwest of Brooklyn on U. S. Highway 49.	22.3	1953-54	Oct. 18	*12.7
Beaver Dam Creek.	Pascagoula River.	Lat 30°59', long 89°12', SW¼ sec. 4, T. 1 S., R. 12 W., St. Stephens meridian, ¼ mile north of Maxie on U. S. Highway 49.	-	1953-54	Oct. 18	*2.17
Red Creek....	....do.....	Lat 31°01', long 89°27', NW¼ sec. 31, T. 1 N., R. 14 W., St. Stephens meridian, at bridge on U. S. Highway 11, 0.5 mile north of Lumberton.	15.6	1953-54	Oct. 19	*.56
Do.....	Black Creek..	Lat 30°51', long 89°12', NW¼ sec. 28, T. 2 S., R. 12 W., St. Stephens meridian, at bridge on State Highway 26, 2½ miles upstream from Kerby Creek and 4 miles west of Wiggins.	-	1952-54	Oct. 19	*22.5
Do.....	....do.....	Lat 30°47', long 89°08', NW¼ sec. 19, T. 3 S., R. 11 W., St. Stephens meridian, at bridge on U. S. Highway 49, ½ mile north of Perkinston.	218	1942-43, 1945-46, 1953-54	Oct. 20	*46.1
Flint Creek..	Red Creek....	Lat 30°52', long 89°07', SW¼ sec. 17, T. 2 S., R. 11 W., St. Stephens meridian, Stone County, at bridge, 1½ miles northeast of Wiggins on State Highway 29.	-	1953-54	Oct. 20	*6.16

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pascagoula River basin, Miss.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Flint Creek..	Red Creek....	Lat 30°50', long 89°05', NE $\frac{1}{4}$ sec. 27, T. 2 S., R. 11 W., St. Stephens meridian, Stone County, at bridge on State Highway 26, 4.4 miles east of Wiggins.	-	1954	Oct. 20	*16.2
Bluff Creek..	....do.....	Lat 30°51', long 88°58', SE $\frac{1}{4}$ sec. 23, T. 2 S., R. 10 W., St. Stephens meridian, Stone County, at bridge on State Highway 26, 12.1 miles east of Wiggins.	-	1954	Oct. 20	*4.98
Do.....	Moungers Creek.	Lat 30°32', long 88°41', S $\frac{1}{2}$ sec. 9, T. 6 S., R. 7 W., St. Stephens meridian, Jackson County, at bridge in Vanleave.	-	1953	Oct. 21	0
Little Bluff Creek.	Pascagoula River.	Lat 30°31', long 88°42', SW $\frac{1}{4}$ sec. 16, T. 6 S., R. 7 W., St. Stephens meridian, Jackson County, on State Highway 59, 0.7 mile south of Vanleave.	-	1953	Oct. 21	*.03
Fourmile Creek.	Escatawpa River.	Lat 30°29', long 88°30', NW $\frac{1}{4}$ sec. 32, T. 6 S., R. 5 W., St. Stephens meridian, Jackson County, at bridge on county road, 3.5 miles from State Highway 63 at Escatawpa.	-	1953-54	Oct. 20	0
Rocky Creek..	....do.....	Lat 30°55', long 88°32', NE $\frac{1}{4}$ sec. 36, T. 1 S., R. 6 W., George County, St. Stephens meridian, on State Highway 15, 3 miles east of Lucedale.	-	1953-54	Oct. 20	*4.38
Black Creek..	....do.....	Lat 30°30', long 88°30', NW $\frac{1}{4}$ sec. 28, T. 6 S., R. 5 W., St. Stephens meridian, Jackson County, at Mississippi Export RR. bridge, $\frac{1}{2}$ mile upstream from county road that leads from Escatawpa to Helena and 4.2 miles northeast from intersection of county road and State Highway 63 at Escatawpa.	-	1953-54	Oct. 20	*.42

Tchoutacabouffa River basin, Miss.

Hester Creek.	Tuxachanie Creek.	Lat 30°33', long 88°57', SE $\frac{1}{4}$ sec. 2, T. 6 S., R. 10 W., St. Stephens meridian, Harrison County, at bridge, 3 miles northeast of Highway 55 on county road and 10 miles north of Biloxi.	-	1953-54	Oct. 20	*1.92
Hog Branch Creek.	....do.....	Lat 30°32', long 88°57', NE $\frac{1}{4}$ sec. 11, T. 6 S., R. 10 W., St. Stephens meridian, Harrison County, at bridge, 2 miles northeast of Highway 55 on county road and 9 miles north of Biloxi.	-	1953-54	Oct. 20	*.76

Biloxi River basin, Miss.

Saucier Creek	Biloxi River.	Lat 30°34', long 89°06', NW $\frac{1}{4}$ sec. 33, T. 5 S., R. 11 W., St. Stephens meridian, Harrison County, $\frac{1}{2}$ miles east of U. S. Highway 49 at Wortham, on county road.	-	1953	Oct. 20	*3.07
Flat Branch..	....do.....	Lat 30°34', long 89°06', NE $\frac{1}{4}$ sec. 32, T. 5 S., R. 11 N., St. Stephens meridian, Harrison County, $\frac{1}{2}$ mile east of U. S. Highway near Wortham, on county road.	-	1953	Oct. 10	*.08
Little Biloxi Creek.	....do.....	Lat 30°31', long 89°07', NE $\frac{1}{4}$ sec. 17, T. 6 S., R. 11 W., St. Stephens meridian, Harrison County, at U. S. Highway 49, 2 miles north of Lyman.	71.0	1942-43, 1953-54	Oct. 8	*4.22

Bayou Bernard basin, Miss.

Bayou Bernard	Gulf of Mexico.	Lat 30°27', long 89°06', SW $\frac{1}{4}$ sec. 9, T. 7 S., R. 11 W., St. Stephens meridian, Harrison County, 1,000 ft upstream from Gulf and Ship Island RR. bridge, 4 miles north of Gulfport, on U. S. Highway 49.	16	1942-43, 1954	Oct. 20	*0.68
Turkey Creek.	Bayou Bernard	Lat 30°25', long 89°06', on line between secs. 21 and 28, T. 7 S., R. 11 W., St. Stephens meridian, Harrison County, at U. S. Highway 49, 2 $\frac{1}{2}$ miles north of Gulfport.	24.3	1942, 1954	Oct. 26	*.24

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pearl River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Richland Creek.	Pearl River..	Lat 32°17', long 89°56', in NE¼ sec. 13, T. 5 N., R. 3 E., Choctaw meridian, at bridge on U. S. Highway 80, 3 miles east of Brandon, Miss.	-	1954	Oct. 19 Nov. 17 Sept. 15	0 0 0
Do.....	.....do.....	Lat 32°15', long 90°00', in SE¼ sec. 5, T. 4 N., R. 3 E., Choctaw meridian, on county road 4½ miles east of Whitfield, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	0 0 *.09
Tumaloo Creek.	Richland Creek.	Lat 32°11', long 90°00', W¼ sec. 16, T. 4 N., R. 3 E., Choctaw meridian, Rankin County, at bridge 2 miles upstream from mouth and 5½ miles south of city limits of Brandon, Miss., on county road.	-	1953-54	Oct. 20 Nov. 18 Sept. 14	0 0 0
Richland Creek.	Pearl River..	Lat 32°12', long 90°03', in NW¼ sec. 12, T. 4 N., R. 2 E., Choctaw meridian, at bridge on County Highway 469, 5½ miles northeast of Florence, Miss.	-	1954	Oct. 20 Nov. 18	0 *.02
Steens Creek.	.....do.....	Lat 32°09', long 90°07', in NW¼ sec. 32, T. 4 N., R. 2 E., Choctaw meridian, Rankin County, at bridge 1 mile upstream from Illinois Central RR. and 1 mile south of Florence, Miss., on U. S. Highway 49.	-	1953-54	Oct. 20 Nov. 18 Sept. 14	*.09 *.14 *.06
Indian Creek.	Steens Creek.	Lat 32°09', long 90°07', in SW¼ sec. 29, T. 4 N., R. 2 E., Choctaw meridian, 0.7 mile upstream from mouth, and at eastern edge of Florence, Miss., on State Highway 469.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.14 0 0
French Branch	.....do.....	Lat 32°12', long 90°10', in SW¼ sec. 2, T. 3 N., R. 1 E., Choctaw meridian, 1 1/3 miles upstream from mouth and 3½ miles on county road southwest of Florence, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.04 *.12 *.04
Mountain Creek.	.....do.....	Lat 32°08', long 90°08', in SE¼ sec. 7, T. 3 N., R. 2 E., Choctaw meridian, on State Highway 469, 3 miles south of Florence, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	0 *.61 *.06
Hominy Creek.	Mountain Creek.	Lat 32°05', long 90°08', in S¼ sec. 19, T. 3 N., R. 2 E., Choctaw meridian, 2 miles upstream from mouth, on State Highway 469, and 5 miles south of Florence, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.12 *.19 *.10
Steens Creek.	Pearl River..	Lat 32°07', long 90°11', in SW¼ sec. 10, T. 3 N., R. 1 E., Choctaw meridian, 3½ miles upstream from mouth on county road, and 5 miles southwest of Florence, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.78 *2.94 *2.42
Purvis Creek.	Strong River.	Lat 32°12', long 89°46', in corner of secs. 10, 11, 14, and 15, T. 4 N., R. 5 E., Choctaw meridian, on county road, 2 miles northeast of Rufus near Johns, Miss.	-	1954	Oct. 19 Nov. 18 Sept. 14	0 0 0
Billy Walker Creek.	Purvis Creek.	Lat 32°10', long 89°47', in NE¼ sec. 21, T. 4 N., R. 5 E., Choctaw meridian, 2½ miles upstream from mouth and 4½ miles northeast of Johns, Miss.	-	1954	Oct. 19 Nov. 18 Sept. 14	0 *.02 0
Strong River.	Pearl River..	Lat 32°04', long 89°45', in SE¼SE¼ sec. 26, T. 3 N., R. 5 E., Choctaw meridian, at bridge on State Highway 18, 2 miles southeast of Puckett, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*3.36 *23.0 *2.69
Clear Creek..	Brushy Creek.	Lat 32°08', long 89°48', in NE¼ sec. 5, T. 3 N., R. 5 E., Choctaw meridian, 3 miles upstream from mouth and 2½ miles east of Johns, Miss.	-	1954	Oct. 19 Nov. 18 Sept. 14	*.07 *.10 0
Brushy Creek.	Strong River.	Lat 32°05', long 89°47', in SW¼ sec. 22, T. 3 N., R. 5 E., Choctaw meridian, 2 miles upstream from mouth and ½ mile southwest of Puckett, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.75 *1.14 *.78
Campbells Creek.	.....do.....	Lat 32°08', long 89°50', N¼ sec. 1, T. 3 N., R. 4 E., Choctaw meridian, Rankin County, at bridge at Johns, Miss. on State Highway 18.	-	1953-54	Oct. 20 Nov. 18 Sept. 14	*.49 *.79 *.53
Do.....	.....do.....	Lat 32°05', long 89°52', in NE¼ sec. 22, T. 3 N., R. 4 E., Choctaw meridian, on county road, 4½ miles southwest of Johns, Miss.	-	1954	Oct. 20 Nov. 18 Sept. 14	*.35 *1.52 *.39

* Base flow.

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pearl River basin--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Dobbs Creek...	Strong River.	Lat 32°08', long 89°55', in SW $\frac{1}{4}$ sec. 32, T. 4 N., R. 4 E., Choc-taw meridian, on county road between Cato and Rock Hill, $\frac{1}{2}$ miles west of Johns, Miss.		1954	Oct. 20 Nov. 18 Sept. 14	0 0 *.02
Do.....	.....do.....	Lat 32°00', long 89°56', in SW $\frac{1}{4}$ sec. 18, T. 2 N., R. 4 E., Choc-taw meridian, at bridge on U. S. Highway 49, $3\frac{1}{2}$ miles upstream from mouth and 2.5 miles north-west of Dlo, Miss.	55.1	1948, 1950, 1952-54	Oct. 20 Nov. 18 Sept. 14	0 *.07 *.13
Riles Creek...	.....do.....	Lat 31°56', long 89°55', in NE $\frac{1}{4}$ sec. 17, T. 1 N., R. 4 E., Choc-taw meridian, at bridge on State Highway 20 at Merit, and 1 mile upstream from mouth and 3 miles southwest of Mendenhall, Miss.	25.3	1948, 1950, 1953-54	Feb. 21	1,030
Big Creek....	.....do.....	Lat 31°53', long 90°03', in SW $\frac{1}{4}$ sec. 36, T. 1 N., R. 2 E., Choc-taw meridian, Simpson County, at bridge on State Highway 20, 2 miles above mouth and 5.5 miles west of Pinola, Miss.	44.0	1948, 1953-54	Apr. 13	4,380
Fair River...	Pearl River..	Lat 31°37', long 90°08', in SE $\frac{1}{4}$ sec. 31, T. 8 N., R. 21 W., St. Stephens meridian, at Gulf, Mobile and Ohio RR. bridge, 1 mile upstream from mouth and $4\frac{1}{2}$ miles north of Monticello, Miss.	-		Feb. 21	5,920
Holliday Creek.	.....do.....	Lat 31°21', long 89°53', on line between secs. 35 and 2, on line between T. 4 N., and T. 5 N., R. 19 W., St. Stephens meridian, Marion County, at bridge 1/8 mile upstream from Illinois Central RR., $1\frac{1}{2}$ miles upstream from mouth, and $\frac{1}{2}$ mile south of Goss, Miss. on State Highway 13.	-	1953-54	Oct. 26	*39.9
Jones Creek...	.....do.....	Lat 31°16', long 89°50', NW $\frac{1}{4}$ sec. 32, T. 4 N., R. 18 W., St. Stephens meridian, Marion County, at bridge 1/8 mile upstream from Illinois Central RR., 1 mile upstream from mouth and at north-ern edge of Columbia, Miss. on State Highway 13.	-	1953-54	Oct. 26	*.39
Silver Creek.	.....do.....	Lat 31°14', long 89°52', NE $\frac{1}{4}$ sec. 15, T. 3 N., R. 13 E., Washing-ton meridian, at bridge on county road in Foxworth, Marion County, $2\frac{1}{2}$ miles upstream from mouth.	36.8	1954	Oct. 26	*28.0
Graves Creek.	.....do.....	Lat 31°16', long 89°43', W $\frac{1}{2}$ sec. 33, T. 4 N., R. 17 W., St. Stephens meridian, Marion County, at bridge, $1\frac{1}{2}$ miles upstream from mouth and $5\frac{1}{2}$ miles east of city limits of Columbia, Miss. on State High-way 24.	-	1953-54	Oct. 26	*10.8
Upper Little Creek.	.....do.....	SE $\frac{1}{4}$ sec. 27, T. 3 N., R. 18 W., St. Stephens meridian, at bridge on State Highway 13, 0.5 mile south of Lampton, Miss.	115	1929, 1944, 1953-54	Oct. 26	*35.2
Ten Mile Creek.	.....do.....	Lat 31°10', long 89°50', NW $\frac{1}{4}$ sec. 12, T. 2 N., R. 13 E., St. Stephens meridian, Marion County, at bridge on State Highway 35, 1.5 miles upstream from mouth and 9 miles south of Columbia, Miss.	37.9	1954	Oct. 26 Apr. 12	*53.5 11,500
Lower Little Creek.	.....do.....	Lat 31°09', long 89°45', SE $\frac{1}{4}$ sec. 12, T. 2 N., R. 18 W., St. Stephens meridian, Marion County, at bridge $2\frac{1}{2}$ miles above mouth and $\frac{1}{2}$ mile from Hub, Miss. on State Highway 13.		1929, 1953-54	Oct. 26	*40.8
Big Creek....	Bogue Chitto.	Lat 31°27', long 90°27', N $\frac{1}{2}$ sec. 36, T. 6 N., R. 7 E., Washing-ton meridian, Lincoln County, at bridge $\frac{1}{2}$ mile upstream from mouth and $\frac{1}{2}$ mile north of Bogue Chitto, Miss. on Highway 51.		1952-54	Apr. 13	8,000
Leatherwood Creek.	.....do.....	Lat 31°12', long 90°16', NW $\frac{1}{4}$ sec. 26, T. 3 N., R. 9 E., Washing-ton meridian, just upstream from bridge on county road, 1 mile upstream from mouth and $2\frac{1}{2}$ miles southeast of Holmes-ville, Miss.	34.2	1953	Oct. 22	*7.46

* Base flow.

DISCHARGE MEASUREMENTS AT POINTS OTHER THAN GAGING STATIONS

Discharge measurements made at points other than gaging stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River during water year 1955--Continued

Pearl River basin, Miss.--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
McGee Creek..	....do.....	Lat 31°07', long 90°08', N $\frac{1}{2}$ sec. 30, T. 2 N., R. 11 E., Washington meridian, Walthall County, at bridge $\frac{1}{4}$ mile upstream from Fernwood, Columbia & Gulf RR. and on city limits east on State Highway 24, of Tylertown, Miss.	130	1942-43, 1953-54	Apr. 13	10,700
Pushepatapa Creek.	Pearl River..	In sec. 37, T. 1 S., R. 12 E., at bridge on State Highway 262, 0.1 mile below confluence of East and West Forks and $8\frac{1}{2}$ miles west of Angle, La.	-		Sept. 29	*43.0
Silver Creek.	Bogue Chitto.	In lot 45, T. 1 S., R. 10 E., at bridge on State Highway 38, $1\frac{1}{2}$ miles above Little Silver Creek and 3.6 miles west of Clifton, La.	-		Sept. 30	*21.3
Bogue Chitto.	Pearl River..	Lat 30°43'10", long 90°05'00", at bridge on State Highway 753, 0.5 mile south of Enon, La. and 1.0 mile below Nick Creek.	1,107		Apr. 15	50,500
Talisheek Creek.	....do.....	In SE $\frac{1}{4}$ sec. 10, T. 6 S., R. 13 E., at bridge on State Highway 41, 0.4 mile northeast of Talisheek, La. and 0.8 mile above Moses Branch.	17.3		Sept. 29	*2.60
East Fork Hobolochitto Creek.	....do.....	SW $\frac{1}{4}$ sec. 13, T. 6 S., R. 17 W., St. Stephens meridian, at bridge on U. S. Highway 11, $\frac{1}{4}$ mile north of Picaune, Miss.	108	1947, 1953-54	Oct. 21	*9.85
West Fork Hobolochitto Creek.	....do.....	SW $\frac{1}{4}$ sec. 27, T. 5 S., R. 17 W., Pearl River County, $\frac{1}{4}$ mile upstream from George's Branch and $2\frac{1}{2}$ miles north of Picaune, Miss.	-	1953-54	Oct. 21	*28.0
Georges Branch.	Hobolochitto Creek.	Lat 30°34', long 89°41', SE $\frac{1}{4}$ sec. 27, T. 5 S., R. 17 W., St. Stephens meridian, Pearl River County, $1\frac{1}{8}$ mile above mouth and $2\frac{1}{2}$ miles north of Picaune, Miss.	-	1953	Oct. 21	*2.10
Mill Creek...	....do.....	Lat 30°34', long 89°40', SW $\frac{1}{4}$ sec. 38, T. 5 S., R. 17 S., St. Stephens meridian, Pearl River County, at bridge $\frac{1}{2}$ mile upstream from New Orleans & Northeastern RR. and $1\frac{1}{2}$ miles north of city limits of Picaune, Miss. on Highway 11.	-	1953-54	Oct. 21	*1.54
Hobolochitto Creek.	Pearl River..	Lat 30°33', long 89°42', on line between secs. 9 and 10, T. 6 S., R. 17 W., St. Stephens meridian, Pearl River County, at bridge $1\frac{1}{2}$ miles downstream from New Orleans & Northeastern RR. and on northeast city limits of Picaune, Miss. on State Highway 43.	-	1946-48, 1953	Oct. 21	*42.7

* Base flow.

The following table contains determinations of peak discharge made at crest stage by indirect methods or by current meter or computed from rating curve at points other than regular gaging stations.

Determinations of peak discharge during water year October 1954 to September 1955

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Mush Creek...	Cedar Creek..	Sec. 29, T. 15 N., R. 11 E., at bridge on State Highway 43, 12 miles south of Selma, Ala.	45.4	1951-52	Apr. 11	22,100
Pursley Creek	Alabama River	Sec. 2, T. 11 N., R. 7 E., at bridge on State Highway 11, 4 miles southwest of Camden, Ala.	60.2	1951, 1954	Apr. 11	7,000
Petty Creek..	Boyer Creek..	In NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 5 S., R. 7 E., Chickasaw meridian, Prentiss County, at culvert on U. S. Highway 45, 2 miles south of Booneville, Miss.	1.78		Mar. 21	680
Frank's Creek	Twenty Mile Creek.	In SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 6 S., R. 6 E., Chickasaw meridian, Prentiss County, at culvert on U. S. Highway 45, 0.2 mile south of Frankstown and $1\frac{1}{2}$ miles west of Wheeler, Miss.	.21		Mar. 21	87.8

Determinations of peak discharge during water year October 1954 to September 1955--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Red Boot Creek.	Little Briar Creek.	In NWSE $\frac{1}{4}$ sec. 11, T. 9 S., R. 9 E., Chickasaw meridian, Itawamba County, at culvert on State Highway 25, 4.45 miles north of junction of State Highway 25 and U. S. Highway 78 near Fulton, Miss.	.15		Mar. 21	119
Gunnors Creek	Coonewah Creek.	Lat 34°14', long 88°49', in SWNE $\frac{1}{4}$ sec. 6, T. 10 S., R. 5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 2,500 ft upstream from Coonewah Creek and 8 miles west of intersection of U. S. Highway 45 and State highway in Tupelo, Miss.	0.09		Mar. 21	151
Five Mile Creek.	Mud Creek....	In NESE $\frac{1}{4}$ sec. 6, T. 9 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 45, 2½ miles south of Sallitillo, Miss.	1.31		Mar. 21	728
Truckstop ditch.	Kings Creek..	In NESE $\frac{1}{4}$ sec. 22, T. 9 S., R. 5 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 78, 2.6 miles west of intersection of U. S. Highways 45 and 78 in Tupelo, Miss.	.22		Mar. 21	242
Hodges Creek.	....do.....	In SWNW $\frac{1}{4}$ sec. 6, T. 10 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 45 at Tupelo, Miss.	.10		Mar. 21	127
Clear Branch.	Tulip Creek..	In SWSE $\frac{1}{4}$ sec. 34, T. 9 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 78, 1.3 miles east of Tupelo, Miss.	.75		Mar. 21	269
Cow Pike Pass	South Tulip Creek.	In SWSE $\frac{1}{4}$ sec. 25, T. 9 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 78, 5½ miles east of Tupelo, Miss.	.14		Mar. 21	160
Coonewah Creek.	West Fork Tombigbee River.	Lat 34°07', long 88°43', on line between secs. 12 and 7, T. 11 S., on line between R. 5 E., and R. 6 E., Chickasaw meridian, Lee County, at bridge ½ mile upstream from Gulf, Mobile and Ohio RR. and 1 mile north of Shannon, Miss. on Highway 45.		1952-54	Mar. 21	18,100
Cedartree Branch.	Bob Miller Creek.	In SWSE $\frac{1}{4}$ sec. 36, T. 9 S., R. 3 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 3 miles east of Pontotoc, Miss.	.16		Mar. 21	93
Cotton Gin Branch.	Chiwapa Creek	In SESE $\frac{1}{4}$ sec. 1, T. 10 S., R. 4 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 7½ miles west of Tupelo, Miss.	.23		Mar. 21	195
Dry Creek....	....do.....	On line between secs. 2 and 11, T. 10 S., R. 4 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 8.0 miles west of intersection of State Highway 6 and U. S. Highway 45 and St. Louis-San Francisco RR. in Tupelo, Miss.	1.39		Mar. 21	975
Shell Creek..	Reeds Branch.	Lat 34°14', long 88°49', in NWSE $\frac{1}{4}$ sec. 6, T. 10 S., R. 5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 6.6 miles west of intersection of State Highway 6 and U. S. Highway 45, and St. Louis-San Francisco Ry. in Tupelo, Miss.	.20		Mar. 21	149
Gravel Branch.	Chiwapa Creek	In NWSE $\frac{1}{4}$ sec. 20, T. 11 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 45, 1.6 miles east of junction of U. S. Highways 45 and 45W at Shannon, Miss.	.29		Mar. 21	216
Vandal Branch	....do.....	In SWSE $\frac{1}{4}$ sec. 20, T. 11 S., R. 6 E., Chickasaw meridian, Lee County, at culvert on U. S. Highway 45, 1.6 miles east of junction of U. S. Highways 45 and 45W at Shannon, Miss.	.19		Mar. 21	76
Willgo Creek.	Tallabinnella Creek.	In NWNE $\frac{1}{4}$ sec. 11, T. 12 S., R. 5 E., Chickasaw meridian, Chickasaw County, at bridge on U. S. Highway 45W, 5 miles south of junction with U. S. Highway 45 at Shannon, Miss.	4.60		Mar. 21	1,390
Cowbell Creek	Chookatonchee Creek.	In NWSE $\frac{1}{4}$ sec. 5, T. 12 S., R. 3 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 15, 1.75 miles north of Houlka, Miss.	.53		Mar. 21 Apr. 12	322 380

Determinations of peak discharge during water year October 1954 to September 1955--Continued

Stream	Tributary to	Location	Drainage (rea (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Greys Branch.	Little Houlka Creek.	In SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 12 S., R. 3 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 15, 0.3 mile south of Houlka, Miss.	0.30		Mar. 21 Apr. 12	190 160
Houlka Creek.	Chookatonchee Creek.	In NE $\frac{1}{4}$ sec. 20, T. 13 S., R. 3 E. Chickasaw meridian, Chickasaw County, at bridge on State High- way 15, 2 $\frac{1}{2}$ miles north of Houston, Miss.	32.2		Mar. 21	8,450
Sister Creek.	Mobile River.	Sec. 1, T. 1 S., R. 1 W., at bridge on U. S. Highway 43, 6 miles south of Mt. Vernon, Ala.	4.11		Apr. 13	4,110
Coal Creek...	....do.....	Sec. 12, T. 1 S., R. 1 W., at bridge on U. S. Highway 43, 3 miles north of Axis, Ala.	16.7		Apr. 13	5,160
Norton Creek.	Bayou Sara...	Sec. 3, T. 3 S., R. 1 W., at bridge on U. S. Highway 43, $\frac{1}{2}$ mile south of Saraland, Ala.	4.15		Apr. 13	6,030
Waterfall Branch.	Oaktribbee Creek.	Lat 31°07'10" long 88°45'25", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 2 N., R. 8 W., St. Stephens meridian, at culvert on State Highway 594, 4.2 miles east of Molain, Miss.	.65		Apr. 12	445
Mosquito Branch.	Little Sweet- water Creek.	In SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 2 S., R. 8 W., St. Stephens meridian, at culvert on State Highway 26, 1.0 mile west of Bennedale, Miss.	.22		Apr. 12	514
Thief Creek..	Black Creek..	In SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 2 S., R. 8 W., St. Stephens meridian, at culvert on State Highway 26, 0.5 mile west of Bennedale, Miss.	1.10		Apr. 12	1,950
Andy's Creek.	....do.....	In NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 4 N., R. 15 W., St. Stephens meridian, at culvert on U. S. Highway 98, 11 miles west of Hattiesburg, Miss.	.73		Apr. 12	1,370
Blown Pine Creek.	....do.....	On line between SW $\frac{1}{4}$ sec. 18 and NW $\frac{1}{4}$ sec. 21, T. 4 N., R. 15 W., St. Stephens meridian, at cul- vert on U. S. Highway 98, 9 $\frac{1}{2}$ miles west of Hattiesburg, Miss.	1.79		Apr. 12	2,260
Anderson's Creek.	Bluff Creek..	In SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 2 S., R. 10 W., St. Stephens meridian, at culvert on State Highway 26, 9 $\frac{1}{2}$ miles southwest of Lucedale, Miss.	.79		Apr. 12	1,050
Boggan's ditch.	Westville Creek.	In NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 1 N., R. 4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5 $\frac{1}{2}$ miles south of Mendenhall, Miss.	.94		Apr. 12	764
Baking Powder Draw.	....do.....	In SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 10 N., R. 19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 16.0 miles north of intersection of U. S. Highways 84 and 13 east of Prentiss, Miss.	.84		Apr. 12	323
Barret's Branch.	Strong River.	In NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 1 N., R. 2 E., Choctaw meridian, Simpson County, at culvert on State Highway 20, 5 miles west of Pinola, Miss.	.91		Apr. 12	1,200
Potato ditch.	Cottonseed Branch.	In NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 1 N., R. 2 E., Choctaw meridian, Simpson County, at culvert on State Highway 20, 3.6 miles east of Georgetown, Miss.	.28		Apr. 12	181
Bradley's ditch.	....do.....	In NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 1 N., R. 2 E., Choctaw meridian, at cul- vert on State Highway 20, 6 $\frac{1}{2}$ miles west of Pinola, Miss.	1.29		Apr. 12	516
Fair Oak Springs ditch.	Fair River...	In NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 17 N., R. 9 E., Washington meridian, Lin- coln County, at culvert on U. S. Highway 84, 6.6 miles east of Brookhaven, Miss.	.11		Apr. 12	120
Small Pine ditch.	....do.....	In SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 7 N., R. 9 E., Washington meridian, at culvert on U. S. Highway 84, Lincoln County, 9 miles west of Monticello, Miss.	.16		Apr. 12	213
Roadside Park ditch.	Pearl River..	In SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 7 N., R. 12 E., St. Stephens meridian, at culvert on U. S. Highway 84, 3.0 miles east of Monticello, Miss.	.25		Apr. 12	138
Brodie's Draw	....do.....	In SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 7 N., R. 11 E., Washington meridian, Lawrence County, at culvert on U. S. Highway 84, 0.7 mile west of Monticello, Miss.	.18		Apr. 12	172

Determinations of peak discharge during water year October 1954 to September 1955--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Discharge (cfs)
Goines Draw..	East Prong Creek.	In NE¼NW¼ sec. 2, T. 9 N., R. 19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss, Miss.	0.34		Apr. 12	402
Plum ditch...	Hooker Hollow Creek.	At center of line between NE¼ and SE¼ sec. 7, T. 7 N., R. 19 W., St. Stephens meridian, Jefferson Davis County, at culvert on U. S. Highway 84, 4.2 miles west of Prentiss, Miss.	.23		Apr. 12	211
Sweetgum ditch.	Dry Creek....	On line between secs. 22 and 23, T. 5 N., R. 19 W., St. Stephens meridian, Marion County, at culvert on State Highway 13, 8.4 miles north of Columbia, Miss.	1.93		Apr. 12	980
Sagebrush Draw.	Sweetgum ditch.	On line between secs. 22 and 23, T. 5 N., R. 19 W., St. Stephens meridian, Marion County, at culvert on State Highway 13, 8.2 miles north of Columbia, Miss.	.04		Apr. 12	68.0
Elmer's Draw.	Indian Creek.	In SE¼SE¼NW¼ sec. 26, T. 3 N., R. 12 E., Washington meridian, Marion County, at culvert on U. S. Highway 98, 5.7 miles west of Columbia, Miss.	.91		Apr. 12	1,150
Stewart's Branch.	Pearl River..	In SE¼NW¼ sec. 1, T. 3 N., R. 18 W., Choctaw meridian, Marion County, at culvert on U. S. Highway 98, 3.8 miles east of Columbia, Miss.	1.32		Apr. 12	1,800
Tung Tree ditch.	Kelley Creek.	In SW¼SE¼ sec. 20, T. 4 N., R. 16 W., St. Stephens meridian, Lamar County, at culvert on U. S. Highway 98, 12 miles northeast of Columbia, Miss.	.04		Apr. 12	96.1
Kokomo Draw..	Ten Mile Creek.	In SW¼SE¼ sec. 28, T. 3 N., R. 12 E., Washington meridian, Marion County, at culvert on U. S. Highway 98 at Kokomo, Miss.	1.26		Apr. 12	1,320
Ten Mile Creek.	Pearl River..	In NW¼ sec. 12, T. 2 N., R. 13 E., St. Stephens meridian, Marion County, at bridge on State Highway 35, 1.5 miles upstream from mouth and 9 miles south of Columbia, Miss.	39.9	1953	Apr. 12	11,300
Middle Fork Hickory Flat.	Bogue Chitto.	On line between secs. 5 and 8, T. 2 N., R. 10 E., Washington meridian, Walthall County, at bridge on State Highway 24, 5½ miles northwest of Tylertown, Miss.	-	1953	Feb. 5	450
Cattle Draw..	McGee's Creek	In SW¼NW¼ sec. 32, T. 3 N., R. 12 E., Washington meridian, Marion County, at culvert on U. S. Highway 98, 9.1 miles west of Columbia, Miss.	1.66		Apr. 12	1,100

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