Surface Water Supply of the United States 1953

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

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

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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.

The data were computed under supervision of district engineers, Surface Water Branch, as follows:

I. E. Anderson ..... Jackson, Miss.
F. N. Hansen ..... Baton Rouge, La.
A. O. Patterson ..... Ocala, Fla.
M. T. Thomson ..... Atlanta, Ga.
M. R. Williams ..... Montgomery, Ala.

CALENDAR FOR WATER YEAR 1953

OCTOBER 1952

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER 1952

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER 1952

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY 1953

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY 1953

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MARCH 1953

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL 1953

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY 1953

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE 1953

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY 1953

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST 1953

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER 1953

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

CONTENTS

ILLUSTRATIONS

SCOPE OF WORK

This volume is one of a series of 18 reports presenting measurements of stage, discharge, and content of streams, lakes, and reservoirs in the United States during the water year ending September 30, 1953. 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 12,800 gaging stations in the 48 States and at many others in the Territories of Alaska and Hawaii. On September 30, 1953, the Geological Survey and cooperating organizations were maintaining 6,750 gaging stations, including those in Alaska and Hawaii. Discharge measurements only were made at many other points in the 1953 water year, most of which are published at the end of this report.

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.

Florida: State Division of Water Survey and Research, A. G. Matthews, chief engineer; State Geological Survey, Herman Gunter, director; State Park Service, L. G. Scoggin, director, succeeded by E. L. Hill; State Road Department, A. A. McKethan, chairman, succeeded by R. A. Simpson; State Trustees of Internal Improvement Fund, F. C. Elliot, engineer and secretary; Dale County, E. A. Anderson, county engineer; Pinellas County, W. A. McMullin, Jr., county engineer, and C. A. Peterson, director of public works; the city of Jacksonville, Haydon Burns, chairman of city commission; the cities of Miami and Miami Beach, W. A. Glass, director, Miami Department of Water and Sewers, C. A. Renshaw, city manager, Miami Beach; city of Pensacola, O. J. Semmes, Jr., city manager; the town of Perry, W. T. Pace, mayor; the city of Tampa, J. S. Long, superintendent of water department; and the Central and Southern Florida Flood Control District, W. T. Wallis, chief engineer.

Georgia: State Department of Mines, Mining and Geology, Garland Peyton, director, and State Highway Department of Georgia, J. L. Gillis, director.

Louisiana: State Department of Public Works, R. T. Sessums, director.

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 117 gaging stations, of which 32 were in Alabama, 33 in Florida, 28 in Georgia, 1 in Louisiana, and 23 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.

State	District office	Address
Alabama a/	Montgomery	507 New Post Office Building.
Florida b/	Ocala	Building 211, Camp Roosevelt.
Georgia c/	Atlanta	644 Peachtree-Seventh Building.
Louisiana	Baton Rouge	850 North Fifth 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 (cfsm) 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 measurements of peak discharge (such as slope-area or contracted-opening measurements, 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 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

A, PEARL RIVER NEAR COLUMBIA, MISS.

B, LITTLE MANATEE RIVER NEAR WIMAUMA, FLA.

FIGURE 1.—GAGING-STATION STRUCTURES.

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 1953 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). 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 values for the maximum day and the minimum day for each month are underlined. If the value 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 values; 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"). Values 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 values 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, values 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.

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	....do.....	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.

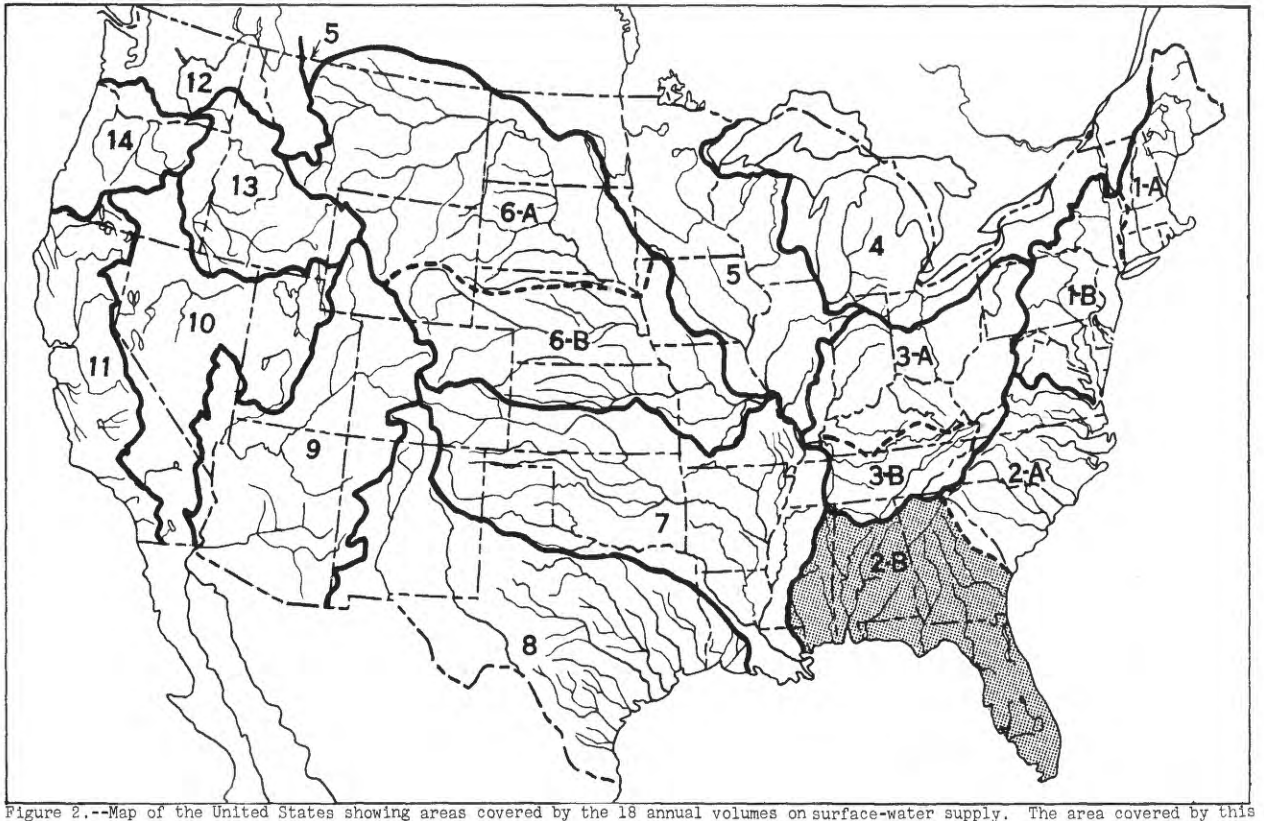

Figure 2.--Map of the United States showing areas covered by the 18 annual volumes on surface-water supply. The area covered by this report is shaded.

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

(A = Annual Reports; B = Bulletin)

Report	Character of data	Year
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, 1899-1953

Year	WSP	Year	WSP	Year	WSP	Year	WSP	Year	WSP
1899	36	1911	302	1923	562	1934	757	1944	1002
1900	48	1912	322	1924	582	1935	782	1945	1032
1901	65, 75	1913	352	1925	602	1936	802	1946	1052
1902	83	1914	382	1926	622	1937	822	1947	1082
1903	98	1915	402	1927	642	1938	852	1948	1112
1904	127	1916	432	1928	662	1939	872	1949	1142
1905	168	1917	452	1929	682	1940	892	1950	1172
1906	204	1918	472	1930	697	1941	922	1951	1204
1907-8	242	1919-20	502	1931	712	1942	952	1952	1234
1909	262	1921	522	1932	727	1943	972	1953	1274
1910	282	1922	542	1933	742				

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 under "Miscellaneous discharge measurements" 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.
Georgia.....	1895-1906	Bull. 16, 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:

Report	Issued by
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 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.	
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 1952 to September 1953 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	Corps of Engineers.
Do.....	Franklin, Ga.....	1945-53a/	Do.
Flint River.....	Near Molena, Ga.....	1953b/	Do.
Do.....	Newton, Ga.....	1947-53a/	Do.
Harney Pond Canal.....	At Lake Okeechobee, Fla.....	1951-53	Do.
Indian Prairie Canal...	Near Okeechobee, Fla.....	1951-53	Do.
Miami Canal.....	At Lake Okeechobee, Fla.....	1951-53	Do.
Nine Mile Canal.....	....do.....	1951-53	Do.
North New River and Hillsboro Canals.	....do.....	1951-53	Do.
Old Town Creek.....	Verona, Miss.....	1947-53a/	Do.
Prairie Creek.....	Gallion, Ala.....	1952-53a/	Do.
Taylor Creek.....	At Lake Okeechobee, Fla.....	1951-53	Do.
Tishimingo Creek.....	Saltillo, Miss.....	1949-53	Do.
Upatoi Creek.....	Fort Benning, Ga.....	1948-53a/	Do.
Valley Creek.....	Oak Grove, Ala.....	1946-53	Do.
Do.....	Bessemer, Ala.....	1938-39, 1946-53a/	Do.

a/ Some earlier records published in reports of Geological Survey.
b/ October 1952 to June 1953 published elsewhere in this report.

HYDROLOGIC CONDITIONS

The water year 1953 was characterized by slightly below normal to slightly above normal runoff over most of the south Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Pearl River. Runoff was deficient over most of this area during the first three months of the water year and during August. Runoff during January was above normal for the first time since June 1952 in Alabama. Moderate to severe flooding occurred during May over most of the area covered by this report except Florida. Hurricane "Florence" caused moderate flooding in Florida and Georgia during September. For three key gaging stations in the area covered by this report, a comparison of the monthly and yearly mean discharges during the 1953 water year with the median discharge for the 25-year period 1921-45 is shown in figure 3 on the opposite page.

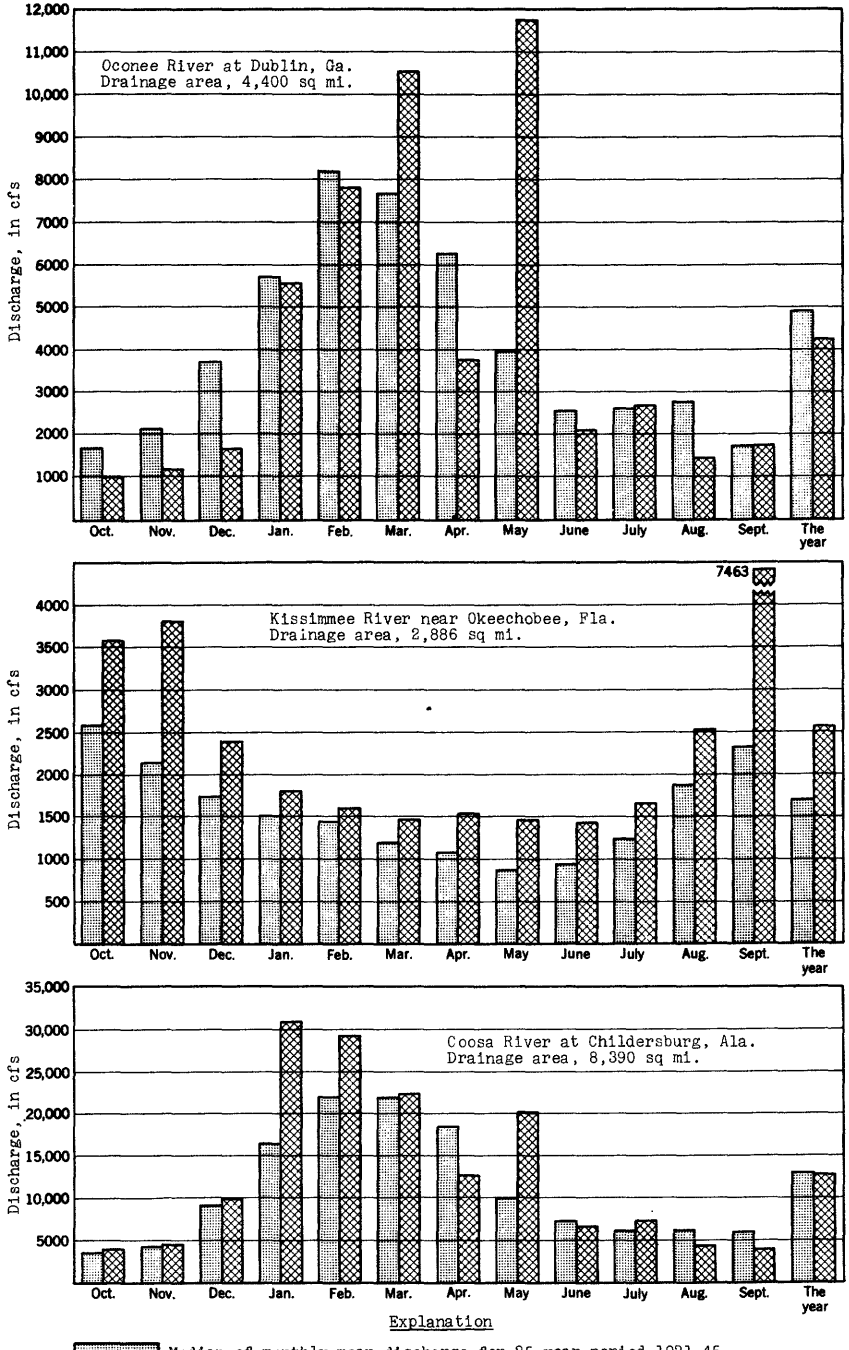

Figure 3.--Comparison of discharge at three key gaging stations during 1953 water year with median discharge for 25-year period.

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 1953.

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.--16 years, 1,688 cfs.

Extremes.--Maximum discharge during year, 14,400 cfs May 9 (gage height, 11.0 ft); minimum, 242 cfs Sept. 1.
1937-53: Maximum discharge, 24,600 cfs Aug. 17, 1940, Mar. 27, 1944 (gage height, 12.8 ft); minimum observed, 146 cfs Sept. 28, 1938.
Maximum stage known, 17.0 ft in October 1929, from information by local residents.

Remarks.--Records good except those below 400 cfs, which are fair, and those for periods of no gage-height record, which are poor.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 10)

0.4	242	7.5	2,770
2.0	462	8.0	3,740
4.0	860	9.0	6,250
6.0	1,550	10.0	9,650
7.0	2,170	11.0	14,400

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	447	294	621	1,060	1,830	5,690	2,700	910	885	621	583	242
2	402	294	602	1,130	1,890	5,560	2,600	970	760	660	511	255
3	353	294	565	1,160	1,950	5,420	2,500	1,060	680	660	462	268
4	333	294	529	1,160	2,020	5,420	2,400	1,270	583	660	462	320
5	314	300	529	1,160	2,090	6,250	2,500	1,550	529	660	494	417
6	294	307	547	1,160	2,090	6,840	2,400	2,020	494	660	478	462
7	288	307	565	1,130	2,090	6,540	2,300	5,900	462	640	417	529
8	274	307	547	1,130	2,020	5,970	2,200	12,200	462	*621	388	583
9	281	314	547	1,160	2,020	5,160	2,100	13,900	462	602	402	660
10	288	320	*547	1,200	1,890	4,540	2,000	13,400	462	547	388	740
11	320	346	565	1,240	1,830	4,190	2,100	10,500	478	494	374	740
12	360	374	565	1,270	1,770	4,300	2,100	7,800	529	478	374	680
13	402	388	565	1,310	1,710	4,910	2,000	7,150	583	462	388	565
14	417	402	583	1,310	1,650	5,160	1,900	6,690	621	432	353	500
15	447	417	602	1,310	1,710	5,160	1,890	5,560	602	402	333	500
16	462	432	602	1,270	1,850	4,660	1,950	4,420	602	374	314	450
17	462	447	602	1,270	1,950	4,300	1,950	3,640	565	346	300	400
18	447	447	602	1,240	2,020	3,960	1,890	2,940	565	320	288	350
19	402	447	602	1,310	2,170	3,740	1,830	2,490	565	326	*274	400
20	374	462	583	1,310	2,370	3,640	1,710	2,170	602	353	326	450
21	353	478	583	1,470	2,560	3,420	1,650	1,950	602	388	374	450
22	340	511	565	1,550	2,770	3,640	1,600	1,710	583	447	432	400
23	326	529	547	1,600	3,120	3,320	1,550	1,550	565	529	388	350
24	320	547	565	1,710	3,960	3,320	1,470	1,430	565	583	326	400
25	320	565	602	1,770	5,040	3,220	1,430	1,310	529	621	314	1,000
26	320	565	680	1,830	5,690	3,030	1,310	1,240	529	660	307	2,000
27	320	583	740	1,830	5,690	2,940	1,200	*1,130	547	700	300	2,500
28	*314	602	785	1,830	5,690	2,940	1,130	1,100	583	720	281	3,000
29	300	621	835	1,830	-	2,900	1,030	1,030	621	720	268	3,400
30	300	640	885	1,830	-	2,800	970	1,030	621	680	255	3,500
31	294	-	970	1,830	-	2,800	-	970	-	640	248	-
Total	10,874	12,834	19,227	43,370	73,420	135,740	56,360	120,990	17,236	17,006	11,402	26,511
Mean	351	428	620	1,399	2,622	4,379	1,879	3,903	575	549	368	884
Cfsm	0.181	0.221	0.320	0.721	1.35	2.26	0.969	2.01	0.296	0.283	0.190	0.456
In.	0.21	0.25	0.37	0.83	1.41	2.61	1.08	2.32	0.33	0.33	0.22	0.51

Calendar year 1952: Max 10,500 Min 220 Mean 1,298 Cfsm 0.669 In. 9.10
Water year 1952-53: Max 13,900 Min 242 Mean 1,493 Cfsm 0.770 In. 10.47

* Discharge measurement made on this day.
Note.--No gage-height record Mar. 29 to Apr. 14, Sept. 14-30; discharge estimated on basis of weather records and records for station near Eden.

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 1953.

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.--16 years, 2,214 cfs.

Extremes.--Maximum discharge during year, 15,600 cfs May 14 (gage height, 12.4 ft); minimum, 348 cfs Nov. 5-9.
1937-53: Maximum discharge, 26,300 cfs Mar. 31, 1944 (gage height, 14.7 ft); minimum, 230 cfs Aug. 2, 1952.
Maximum stage known, 20.0 ft in October 1929, from data furnished by Central of Georgia Railway Co.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 21 to Nov. 12)

0.8	339	10.0	7,100
2.0	720	11.0	9,800
4.0	1,380	12.0	13,700
6.0	2,200	13.0	18,950
8.0	3,700		

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	640	370	640	950	2,310	6,900	4,320	1,660	1,340	820	885	496
2	624	370	656	1,020	2,310	7,850	4,180	1,560	1,240	802	820	608
3	592	367	672	1,110	2,370	8,100	3,920	1,420	1,180	802	755	592
4	544	358	688	1,180	2,370	*7,850	3,800	1,340	1,110	802	688	528
5	496	351	720	1,240	2,370	7,600	3,600	1,420	1,040	785	672	560
6	432	348	720	1,310	2,370	7,350	3,510	1,780	980	770	640	496
7	389	348	688	1,310	2,490	7,600	3,510	2,310	985	755	624	480
8	395	348	656	1,340	2,690	7,600	3,510	2,490	802	*755	624	512
9	512	354	656	1,380	2,830	7,850	3,420	2,830	755	755	640	544
10	720	364	656	1,380	3,070	8,350	3,330	3,510	704	785	656	560
11	835	376	*656	1,420	3,240	8,600	3,330	4,480	640	820	624	576
12	820	401	656	1,420	3,330	8,350	3,150	9,200	592	770	560	592
13	672	432	656	1,420	3,240	8,100	3,150	14,600	592	704	496	624
14	592	464	656	1,420	3,070	7,850	3,240	15,100	624	624	464	656
15	560	480	656	1,420	2,990	7,850	*3,150	12,800	640	576	432	656
16	544	480	656	1,450	2,830	7,350	3,150	10,500	755	544	416	624
17	560	480	656	1,450	2,760	7,100	2,990	8,600	915	512	401	528
18	592	496	656	1,480	2,620	6,900	2,830	7,600	1,080	480	389	432
19	592	512	672	1,520	2,550	6,700	2,760	6,900	980	496	389	367
20	592	512	688	1,560	2,550	6,500	2,690	6,100	850	544	*544	398
21	560	544	704	1,590	2,620	6,100	2,690	5,180	770	560	704	448
22	528	592	738	1,590	2,690	6,500	2,620	4,480	720	592	850	448
23	496	624	770	*1,620	2,830	7,850	2,550	3,800	688	592	950	401
24	464	640	785	1,660	2,990	8,900	2,490	3,420	688	592	950	376
25	432	640	770	1,700	3,240	9,200	2,370	2,990	688	592	868	395
26	416	640	755	1,820	3,600	8,600	2,250	2,620	720	608	738	885
27	401	640	785	1,950	4,320	7,600	2,100	2,310	785	820	592	1,950
28	395	640	820	2,050	5,720	6,700	1,950	*2,050	785	950	544	2,990
29	*379	640	850	2,150	-	5,900	1,860	1,820	820	1,020	528	3,510
30	373	640	885	2,200	-	5,360	1,780	1,620	820	1,020	480	3,920
31	370	-	915	2,250	-	4,820	-	1,480	-	950	432	-
Total	16,517	14,451	22,137	47,360	82,370	229,880	90,200	147,970	25,188	22,197	19,355	26,152
Mean	533	482	714	1,528	2,942	7,415	3,007	4,773	840	716	624	872
Cfsm	0.201	0.182	0.269	0.577	1.11	2.80	1.13	1.80	0.317	0.270	0.235	0.329
In.	0.23	0.20	0.31	0.67	1.16	3.23	1.26	2.08	0.35	0.31	0.27	0.37

Calendar year 1952: Max 11,600 Min 230 Mean 1,773 Cfsm 0.669 In. 9.11
Water year 1952-53: Max 15,100 Min 348 Mean 2,038 Cfsm 0.769 In. 10.44

* Discharge measurement made on this day.

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 1953.

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.--16 years, 425 cfs.

Extremes.--Maximum discharge during year, 8,500 cfs Sept. 28 (gage height, 13.7 ft); minimum daily, 9.5 cfs July 19.
1937-53: 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, 1.2 cfs June 2, 3, 1941.

Remarks.--Records fair.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 22, Sept. 27-30)

1.6	5.3	6.0	932
1.7	10	8.0	1,420
1.9	28	10.0	2,190
2.1	55	11.0	2,940
2.3	94	12.0	4,640
2.7	207	13.0	8,090
3.2	371		

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	88	22	55	267	428	3,590	568	112	27	64	371	44
2	89	22	49	286	383	2,940	511	99	24	48	233	40
3	59	22	49	289	428	2,380	457	101	21	39	133	38
4	46	20	59	296	428	1,970	406	276	19	35	86	34
5	36	18	60	300	406	*1,930	371	866	21	46	69	32
6	33	17	60	271	383	1,930	346	2,140	24	39	79	34
7	*28	16	60	244	457	2,130	428	2,380	35	28	68	44
8	44	15	60	214	766	2,020	448	2,130	44	29	120	77
9	330	15	59	200	998	1,850	448	2,190	40	*40	133	88
10	406	16	59	207	998	1,740	492	2,020	42	68	233	62
11	358	23	*68	229	826	1,740	626	1,600	46	54	263	52
12	271	60	84	233	666	1,740	726	1,270	60	39	139	48
13	190	88	94	214	606	1,970	1,120	932	69	30	59	44
14	144	68	90	190	568	2,130	1,400	646	68	21	36	43
15	130	55	79	177	587	1,970	*1,450	457	75	17	29	38
16	144	50	73	177	646	1,930	1,320	358	77	14	25	32
17	141	46	66	181	646	1,850	1,140	263	79	32	23	44
18	117	40	60	177	666	1,680	932	200	79	10	20	94
19	94	40	57	229	666	1,420	726	153	66	9.5	25	94
20	81	64	60	323	746	1,220	606	128	52	16	*39	99
21	69	184	128	371	826	1,120	492	115	42	175	30	84
22	59	197	181	358	826	1,100	428	106	33	726	29	64
23	52	177	184	*334	888	1,270	383	94	17	1,020	26	50
24	48	139	156	474	954	1,710	334	86	23	910	20	39
25	43	103	150	606	1,020	2,070	303	81	24	726	15	52
26	39	86	204	626	1,220	1,820	263	73	39	457	12	772
27	35	77	237	587	1,710	1,510	226	62	49	332	42	2,980
28	30	73	214	549	3,170	1,220	190	*50	92	457	108	7,630
29	27	66	194	511	-	1,040	159	43	103	587	115	*5,340
30	25	60	204	530	-	888	130	36	90	606	84	3,170
31	*23	-	222	492	-	686	-	30	-	492	59	-
Total	3,259	1,879	3,375	10,142	22,912	54,564	17,429	19,097	1,480	7,166.5	2,723	21,262
Mean	105	62.6	109	327	818	1,760	581	616	49.3	231	87.8	709
Cfsm	0.189	0.113	0.196	0.589	1.47	3.17	1.05	1.11	0.089	0.416	0.158	1.28
In.	0.22	0.13	0.23	0.68	1.53	3.66	1.17	1.28	0.10	0.48	0.18	1.43

Calendar year 1952: Max 2,070 Min 4.0 Mean 330 Cfsm 0.595 In. 8.11
Water year 1952-53: Max 7,630 Min 9.5 Mean 453 Cfsm 0.816 In. 11.09

Peak discharge (base, 1,800 cfs).--Mar. 1 (2 p.m.) 3,590 cfs (11.5 ft); Mar. 25 (8 a.m.) 2,130 cfs (9.9 ft); May 6 (10 p.m.) 2,520 cfs (10.5 ft); Sept. 28 (3 p.m.) 8,500 cfs (13.7 ft).
* Discharge measurement made on this day.

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 1953.

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

Average discharge.--14 years, 588 cfs.

Extremes.--Maximum discharge during year, 5,800 cfs May 1 (gage height, 14.0 ft); minimum daily, 150 cfs Oct. 5, 6.
1939-53: 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, 70 cfs Oct. 25-27, 1941.

Remarks.--Records good. Figures of daily discharge include flow diverted from Chattahoochee River (averaging about 12 cfs) for Atlanta municipal supply.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Dec. 30				Dec. 31 to Sept. 30			
2.2	150	5.0	990	2.5	145	9.0	2,500
3.0	332	6.0	1,340	3.0	265	12.0	4,280
4.0	654			6.0	1,260	14.0	5,800

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	174	176	207	1,580	448	852	564	5,060	319	379	280	151
2	*172	176	223	*852	432	818	564	2,180	298	343	283	165
3	161	174	322	1,060	415	920	530	1,290	286	340	260	198
4	154	172	253	699	400	1,620	514	2,380	283	648	235	195
5	150	176	274	530	379	2,510	498	2,000	280	750	232	590
6	150	176	465	448	385	1,160	478	1,750	310	464	225	498
7	152	183	297	400	1,660	920	631	3,720	340	367	212	274
8	159	176	253	415	1,070	801	564	*1,750	355	343	205	230
9	207	181	245	2,790	699	733	478	1,190	337	448	316	215
10	258	190	467	4,040	580	682	530	988	358	355	280	190
11	214	231	1,130	1,700	530	988	733	852	514	304	208	*190
12	201	238	479	1,060	564	1,400	1,340	784	385	277	205	182
13	190	218	345	801	648	954	3,200	716	313	265	200	172
14	190	205	300	682	514	818	1,280	665	295	258	188	175
15	*190	205	276	597	2,590	767	835	631	295	285	178	163
16	190	196	262	547	1,640	699	733	597	307	304	172	165
17	190	194	253	514	*920	648	648	580	*355	710	168	163
18	174	194	245	852	733	665	614	564	313	818	200	157
19	172	212	242	1,060	631	954	631	614	268	1,890	316	216
20	165	482	276	716	813	801	580	954	580	852	610	1,400
21	154	*332	636	835	2,370	699	547	631	481	614	385	597
22	154	238	401	733	3,130	1,020	514	564	498	733	255	319
23	161	216	372	784	1,330	1,120	514	514	382	648	230	242
24	172	203	550	1,830	1,530	1,060	478	481	464	464	218	218
25	170	203	432	988	2,500	835	481	432	826	400	202	265
26	168	216	401	733	1,580	733	481	415	1,120	352	190	784
27	170	278	372	631	1,190	*682	448	400	767	328	180	2,140
28	168	238	317	580	988	631	432	370	1,160	373	172	1,060
29	170	216	288	614	-	597	415	358	584	346	172	597
30	168	214	293	498	-	564	1,540	355	432	313	165	432
31	170	-	2,080	464	-	564	-	340	-	*289	157	-
Total	5,438	6,509	12,956	30,033	30,669	28,215	21,805	34,125	13,485	15,240	7,299	12,343
Mean	175	217	418	969	1,095	910	727	1,101	450	492	235	411
Cfsm	0.401	0.498	0.959	2.22	2.51	2.09	1.67	2.53	1.03	1.13	0.539	0.943
In.	0.46	0.56	1.11	2.56	2.61	2.41	1.86	2.92	1.15	1.30	0.62	1.05

Calendar year 1952: Max 10,400 Min 134 Mean 548 Cfsm 1.26 In. 17.10
Water year 1952-53: Max 5,060 Min 150 Mean 598 Cfsm 1.37 In. 18.61

Peak discharge (base, 5,000 cfs).--May 1 (6 p.m.) 5,800 cfs (14.0 ft).
* Discharge measurement made on this day.

Yellow River near Snellville, Ga.

Location.--Lat 33°51', long. 84°05', on right bank at highway bridge, 3½ miles west of Snellville, Gwinnett County, 4 miles downstream from Sweetwater Creek, 6½ miles northeast of town of Stone Mountain, and 7½ miles upstream from Stone Mountain Creek.

Drainage area.--144 sq mi.

Records available.--October 1942 to September 1953.

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.--11 years, 177 cfs.

Extremes.--Maximum discharge during year, 3,180 cfs Jan. 10 (gage height, 11.0 ft); minimum, 17 cfs Sept. 1.
1942-53: Maximum discharge, 6,580 cfs Nov. 29, 1948 (gage height, 19.4 ft, from floodmark); minimum observed, 5.0 cfs Sept. 9, 10, 1951 (gage height, 0.50 ft).

Remarks.--Records good.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

0.7	13	2.0	216
.9	26	3.0	502
1.2	57	11.0	3,180
1.6	125		

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	29	39	*50	326	136	211	151	599	71	76	57	17
2	27	40	68	281	129	221	146	735	65	65	52	18
3	25	40	81	323	125	231	140	563	64	61	47	28
4	23	40	67	224	119	582	133	550	63	96	43	53
5	24	45	98	174	115	582	125	351	61	176	42	133
6	25	40	100	142	138	334	133	858	68	131	51	89
7	26	40	79	129	566	254	158	1,560	73	84	50	61
8	25	40	71	297	337	221	136	582	73	76	44	45
9	38	41	68	2,010	228	197	129	351	74	74	40	35
10	42	55	298	2,940	185	183	187	254	65	61	36	30
11	39	71	275	1,180	169	264	169	*214	131	55	*33	27
12	38	64	180	*486	183	284	351	187	91	51	31	25
13	36	57	129	312	169	246	410	169	79	49	30	23
14	33	53	101	241	162	216	257	151	85	46	30	*24
15	33	52	87	206	683	197	197	142	74	47	29	22
16	33	51	81	183	425	183	174	136	79	60	28	21
17	*31	51	76	164	284	169	151	138	85	84	26	20
18	30	50	71	257	216	192	146	129	73	103	52	18
19	30	71	68	226	190	231	151	196	63	146	41	35
20	30	146	82	187	410	187	136	262	153	84	43	226
21	25	84	115	204	995	183	129	183	180	125	37	87
22	26	68	92	174	980	246	125	151	*176	249	31	60
23	30	58	101	330	425	287	121	127	115	214	32	44
24	30	53	111	582	*395	257	115	113	121	125	29	37
25	31	50	101	323	425	216	113	105	169	92	25	155
26	33	57	96	228	351	192	115	98	115	76	23	249
27	34	65	85	192	281	178	105	92	119	67	21	599
28	33	57	79	178	236	169	101	84	136	68	20	262
29	30	52	76	160	-	158	100	82	103	63	20	148
30	33	52	84	146	-	*155	440	82	87	58	19	100
31	35	-	488	138	-	153	-	77	-	53	18	-
Total	957	1,682	3,558	12,943	9,057	7,379	5,044	9,121	2,911	2,815	1,078	2,691
Mean	30.9	56.1	115	418	323	238	168	294	97.0	90.8	34.8	89.7
Cfsm	0.215	0.390	0.799	2.90	2.24	1.65	1.17	2.04	0.674	0.631	0.242	0.623
In.	0.25	0.44	0.92	3.34	2.33	1.90	1.30	2.35	0.75	0.73	0.28	0.70

Calendar year 1952: Max 2,280 Min 14 Mean 155 Cfsm 1.08 In. 14.67
Water year 1952-53: Max 2,940 Min 17 Mean 162 Cfsm 1.12 In. 15.29

Peak discharge (base, 2,100 cfs).--Jan. 10 (11 a.m.) 3,180 cfs (11.0 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 1953. 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.--9 years (1944-53), 485 cfs.

Extremes.--Maximum discharge during year, 5,420 cfs Jan. 11 (gage height, 13.6 ft); minimum daily, 61 cfs Oct. 4.
1944-53: Maximum discharge, 16,200 cfs Nov. 29, 1948 (gage height, 20.3 ft); minimum daily, 24 cfs Sept. 9, 1951.

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

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Backwater from return of overbank flow May 8-10; shifting-control method used May 11 to Sept. 30)

0.8	53	4.0	739
1.0	78	8.0	2,100
1.5	151	12.0	4,230
2.0	241	14.0	5,740

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	*88	98	157	1,270	453	768	478	2,030	237	256	162	79
2	86	83	154	*798	441	768	465	1,650	217	227	227	72
3	81	112	193	940	417	768	453	1,690	204	231	186	135
4	61	94	193	700	406	1,070	429	1,440	195	382	157	164
5	70	99	202	530	382	1,840	417	1,800	195	465	143	186
6	88	95	258	441	394	1,370	429	1,550	212	490	134	294
7	78	102	221	406	978	918	465	2,820	202	360	120	231
8	*75	94	210	394	1,270	768	453	*2,800	256	294	137	167
9	88	83	184	1,630	798	696	417	1,350	241	327	134	135
10	108	114	233	4,100	626	640	490	870	225	262	138	120
11	94	120	668	5,100	543	768	570	768	262	200	117	105
12	105	143	503	2,940	543	1,110	768	654	316	197	111	91
13	120	132	360	1,170	*556	888	1,170	584	227	202	105	95
14	97	123	272	828	503	768	888	530	241	172	86	106
15	102	118	252	682	1,170	768	640	490	272	159	97	*90
16	102	102	217	598	1,550	668	556	453	241	272	95	91
17	98	128	202	530	1,010	598	503	441	252	252	110	83
18	94	120	200	710	739	598	453	441	*241	406	95	84
19	74	123	191	888	626	768	465	441	208	584	122	90
20	102	225	215	682	768	696	453	668	371	429	153	478
21	81	*283	316	768	1,730	612	417	570	503	316	138	465
22	81	195	316	696	2,570	710	394	465	490	441	111	239
23	86	145	283	739	2,030	888	394	406	371	478	114	193
24	84	161	327	1,370	1,370	918	371	360	371	417	123	162
25	88	141	305	1,270	1,580	768	360	349	371	294	105	167
26	74	145	294	828	1,370	668	371	316	441	249	97	566
27	105	162	272	668	1,070	*612	371	294	349	239	88	1,040
28	94	161	252	612	888	570	338	272	417	217	87	1,040
29	88	148	241	570	-	530	327	254	417	213	70	570
30	90	134	241	503	-	516	710	252	305	191	78	382
31	90	-	828	465	-	490	-	223	-	*162	92	-
Total	2,772	3,983	8,760	33,826	26,781	24,518	15,015	27,231	8,850	9,384	3,732	7,720
Mean	89.4	133	283	1,091	956	791	500	878	295	303	120	257
Cfsm	0.226	0.336	0.715	2.76	2.41	2.00	1.26	2.22	0.745	0.765	0.303	0.649
In.	0.26	0.37	0.82	3.18	2.51	2.31	1.41	2.56	0.83	0.88	0.35	0.72

Calendar year 1952: Max 5,260 Min 60 Mean 417 Cfsm 1.05 In. 14.32
Water year 1952-53: Max 5,100 Min 61 Mean 473 Cfsm 1.19 In. 16.20

Peak discharge (base, 5,400 cfs).--Jan. 11 (7 a.m.) 5,420 cfs (13.6 ft).
* Discharge measurement made on this day.

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 1953.

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.--14 years (1939-53), 1,735 cfs (unadjusted).

Extremes.--Maximum discharge during year, 11,500 cfs May 1 (gage height, 9.26 ft); minimum daily, 466 cfs Sept. 19.
1906-15, 1939-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

4.1	420
4.5	820
5.0	1,530
9.0	11,000

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	810	554	899	1,960	2,460	2,660	2,520	4,560	1,270	1,660	555	482
2	990	552	652	2,060	2,460	2,540	2,510	9,430	818	1,510	540	563
3	1,150	548	718	1,300	2,450	2,690	2,500	5,390	808	1,790	1,030	504
4	516	728	736	1,180	2,500	3,420	2,360	4,590	1,860	786	776	506
5	514	534	541	1,860	2,440	6,880	584	6,980	894	605	842	582
6	676	532	542	1,770	2,430	5,070	1,690	6,010	692	1,640	1,430	558
7	512	648	533	1,690	2,460	2,640	1,570	8,410	650	1,640	594	514
8	521	530	829	1,940	1,340	2,660	1,580	6,670	1,640	1,370	483	506
9	929	525	*955	2,080	2,000	2,640	1,620	6,190	1,190	1,550	486	835
10	846	532	758	2,380	2,470	2,600	1,500	5,540	1,120	1,320	482	674
11	548	728	1,390	3,200	2,470	2,620	876	3,390	1,330	800	486	*846
12	546	724	1,770	9,080	2,480	3,070	1,060	2,650	1,270	580	480	492
13	545	624	1,240	7,730	2,460	3,610	2,530	2,630	694	1,460	509	472
14	*765	612	528	4,000	2,440	3,150	2,580	2,590	630	1,020	494	476
15	918	531	1,620	2,460	2,690	2,920	2,560	2,580	1,560	736	476	716
16	828	524	1,280	2,560	*2,590	2,840	2,570	1,780	1,670	1,640	482	843
17	696	526	1,750	2,520	2,590	2,660	2,520	992	1,510	1,570	564	1,350
18	544	528	1,340	2,520	2,600	2,550	2,530	2,000	1,620	733	564	1,400
19	538	544	716	2,510	2,600	2,580	2,510	2,010	772	1,150	478	466
20	750	539	531	2,500	2,560	2,540	2,520	1,810	877	1,830	500	518
21	969	932	538	2,600	2,620	2,500	2,490	2,340	652	1,820	485	1,040
22	1,050	528	1,290	2,520	6,000	2,550	1,390	1,920	1,380	1,890	488	1,370
23	747	516	1,370	2,550	7,200	2,550	1,500	1,780	1,700	1,830	488	1,380
24	650	846	673	2,590	6,370	2,600	1,470	643	1,760	1,900	489	1,420
25	548	744	540	2,570	6,640	2,650	628	1,830	1,760	2,320	487	1,750
26	554	822	1,140	2,590	6,740	2,630	630	1,500	1,670	556	485	2,450
27	601	523	767	2,590	4,090	2,650	1,490	1,210	1,540	1,500	490	2,640
28	630	702	540	2,520	2,650	2,600	1,390	1,020	1,510	1,310	482	2,420
29	602	642	864	2,490	-	2,580	1,020	754	1,650	1,460	493	2,400
30	564	534	1,870	2,520	-	2,550	2,150	762	1,560	1,250	486	2,370
31	608	-	1,960	2,480	-	2,530	-	634	-	1,500	478	-
Total	21,665	18,352	30,880	85,320	90,800	90,730	54,848	100,595	38,057	42,726	17,602	32,543
Mean	699	612	996	2,752	3,243	2,927	1,828	3,245	1,269	1,378	568	1,085
(†)	-322	-71	+46	+481	+162	-153	+91	-81	+24	-153	-46	+74
Adjusted for change in reservoir contents												
Mean	377	541	1,042	3,233	3,405	2,774	1,919	3,164	1,293	1,225	522	1,159
Cfsm	0.265	0.381	0.734	2.28	2.40	1.95	1.35	2.23	0.911	0.863	0.368	0.816
In.	0.31	0.43	0.85	2.63	2.50	2.25	1.51	2.57	1.02	0.99	0.42	0.91

	Observed			Adjusted		
Calendar year 1952:	Max 22,900	Min 500	Mean 1,660	Mean 1,636	Cfsm 1.15	In. 15.68
Water year 1952-53:	Max 9,430	Min 466	Mean 1,710	Mean 1,713	Cfsm 1.21	In. 16.39

* Discharge measurement made on this day.
† Change in contents, equivalent in cubic feet per second, in Lloyd Shoals Reservoir, 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, 1½ 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 1953. 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 1½ 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.--40 years (1893-1911, 1931-53), 2,767 cfs.

Extremes.--Maximum discharge during year, 38,400 cfs May 1 (gage height, 22.7 ft); minimum daily, 610 cfs Sept. 15.

1893-1913, 1931-53: Maximum discharge, 83,500 cfs Nov. 29, 1948 (gage height, 28.0 ft); minimum daily, 192 cfs Nov. 9, 16, 23, 1931; 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 Railway bridge 500 ft downstream.

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

Revisions.--WSP 822: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 23 to Sept. 22; rate of change in stage used as a factor Dec. 31, Feb. 15, Apr. 30, Sept. 26)

3.8	610	15.0	9,240
4.0	700	18.0	16,300
6.0	1,750	22.0	33,800
12.0	5,600		

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	950	750	750	4,470	2,900	4,540	3,380	30,200	950	1,860	1,920	678
2	950	700	1,100	3,320	2,900	4,280	3,380	17,500	1,530	1,860	1,080	775
3	1,100	700	1,100	3,080	2,960	4,020	3,200	15,100	1,310	1,750	850	1,000
4	1,230	700	1,200	2,360	3,020	4,210	3,080	14,800	1,150	2,080	1,280	1,120
5	678	825	1,000	2,080	3,140	6,030	2,420	11,200	1,120	1,100	1,080	1,420
6	655	750	825	2,300	3,020	7,960	1,260	10,400	1,150	825	1,120	1,640
7	800	700	775	2,140	3,080	5,040	2,480	11,400	950	1,700	1,640	1,020
8	725	700	800	2,140	2,780	3,950	2,540	12,500	950	1,860	1,000	*800
9	725	678	1,050	2,960	1,970	3,690	2,300	7,280	1,800	1,970	925	775
10	1,050	700	1,200	4,680	2,900	3,560	4,470	7,280	1,530	1,970	725	1,050
11	1,020	750	1,080	5,600	3,140	3,690	4,960	*6,030	1,530	1,700	750	950
12	700	875	1,530	6,500	3,200	4,540	2,840	4,280	1,640	1,150	775	1,100
13	*700	925	1,860	9,060	3,080	4,890	3,500	3,820	1,530	800	775	700
14	750	850	1,360	7,280	2,960	4,750	3,950	3,690	975	1,530	775	655
15	950	750	800	4,210	5,730	4,540	3,760	3,560	875	1,280	775	610
16	1,180	700	1,640	3,260	*6,400	4,210	3,560	3,320	1,580	1,820	655	925
17	1,050	700	1,420	2,960	5,200	3,890	3,440	2,190	1,800	4,210	655	1,050
18	850	750	1,750	2,960	4,150	3,500	3,380	1,640	1,800	3,260	975	1,420
19	700	775	1,480	3,020	3,690	4,410	3,260	2,540	1,800	3,320	825	1,580
20	678	850	975	3,080	3,560	4,680	2,900	3,140	1,340	3,200	775	950
21	825	825	975	3,320	3,630	4,210	3,020	3,020	1,340	3,260	775	1,360
22	1,080	1,050	900	3,560	5,360	6,920	2,600	2,840	*1,000	3,200	800	1,750
23	1,150	725	1,580	3,630	8,900	6,120	1,970	2,420	1,580	3,020	725	1,640
24	950	*725	1,920	6,120	8,420	4,890	1,970	2,240	1,860	2,660	700	1,700
25	825	1,020	1,360	4,750	10,800	4,340	1,920	1,260	1,860	2,780	725	1,860
26	678	975	1,020	4,020	12,100	4,020	1,120	2,190	1,920	2,480	700	3,430
27	678	1,050	1,360	3,630	10,400	3,820	1,050	1,970	1,970	*1,340	725	9,960
28	775	750	1,080	3,500	5,760	3,760	1,800	1,700	2,080	2,540	750	8,260
29	800	825	900	3,380	-	3,500	1,800	1,480	1,860	2,080	750	3,380
30	750	800	1,970	3,260	-	*3,080	4,630	1,230	1,920	2,020	655	3,560
31	750	-	3,300	3,140	-	3,320	-	1,100	-	1,750	632	-
Total	26,702	23,873	40,060	119,770	135,150	138,360	85,940	193,320	44,700	66,375	27,292	57,118
Mean	861	796	1,292	3,864	4,827	4,463	2,865	6,236	1,490	2,141	880	1,904
Cfsm	0.384	0.355	0.577	1.72	2.15	1.99	1.28	2.78	0.665	0.956	0.393	0.850
In.	0.44	0.40	0.67	1.98	2.24	2.29	1.43	3.20	0.74	1.10	0.45	0.95

Calendar year 1952: Max 43,400 Min 632 Mean 2,539 Cfsm 1.13 In. 15.43
Water year 1952-53: Max 30,200 Min 610 Mean 2,626 Cfsm 1.17 In. 15.89

Peak discharge (base, 14,000 cfs).--May 1 (6 a.m.) 38,400 cfs (22.7 ft).
* Discharge measurement 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 1953.

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.--16 years, 193 cfs.

Extremes.--Maximum discharge during year, 7,790 cfs May 1 (gage height, 20.8 ft); minimum, 29 cfs Oct. 22.
1937-53: Maximum discharge, 9,830 cfs Mar. 21, 1944 (gage height, 23.2 ft), from rating curve extended above 5,600 cfs; minimum daily, 6 cfs Sept. 10, 1951.

Remarks.--Records good.

Revisions (water years).--WSP 1204: 1942-43.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 13-24, Mar. 23 to Apr. 12)

2.5	30	10.0	1,900
2.7	55	15.0	3,940
3.0	114	21.0	7,950
5.0	680		

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	38	37	45	588	192	358	165	7,310	124	116	112	60
2	38	39	51	262	186	373	165	5,030	126	92	103	99
3	34	38	60	232	154	316	162	2,040	110	82	96	133
4	32	37	58	180	143	376	154	3,300	110	86	90	340
5	32	37	55	146	133	352	149	2,340	107	88	84	226
6	32	37	62	*128	131	265	154	1,460	114	86	78	177
7	34	38	64	121	226	238	241	1,290	126	78	72	133
8	34	37	55	146	210	217	207	896	136	94	88	105
9	41	38	54	337	160	198	226	641	136	116	214	*88
10	54	40	55	602	146	189	1,030	448	128	119	138	80
11	48	44	64	588	143	232	1,290	*364	168	84	96	76
12	45	48	65	352	149	322	800	316	131	70	88	72
13	*41	45	57	250	174	262	615	280	105	64	82	69
14	40	44	54	207	180	241	391	256	99	64	78	62
15	39	42	54	180	1,160	262	316	241	99	67	70	62
16	52	42	52	160	824	235	283	226	101	256	69	60
17	40	42	54	146	*355	204	250	220	119	1,100	65	62
18	40	42	52	171	271	210	232	210	107	1,050	126	60
19	38	47	52	220	238	325	223	232	92	1,100	99	60
20	37	72	64	177	220	352	207	370	174	1,230	88	247
21	34	76	138	189	364	292	195	271	195	476	114	214
22	*31	55	107	171	641	641	186	226	207	304	84	112
23	33	48	78	304	448	420	180	201	*107	265	72	86
24	34	45	92	680	546	328	174	189	92	210	72	80
25	34	*45	138	343	1,050	274	165	177	86	165	65	152
26	34	47	165	247	1,230	241	165	160	88	138	62	762
27	37	49	126	210	1,010	220	162	152	121	165	60	2,000
28	41	48	99	189	518	204	152	143	165	334	57	1,490
29	36	47	88	171	-	189	143	136	131	204	58	462
30	32	45	96	157	-	*177	1,960	136	112	146	58	283
31	34	-	504	146	-	*171	-	131	-	*126	54	-
Total	1,169	1,351	2,758	8,000	11,202	8,684	10,742	29,392	3,716	8,575	2,692	7,912
Mean	37.7	45.0	89.0	258	400	280	358	948	124	277	86.8	264
Cfsm	0.207	0.247	0.489	1.42	2.20	1.54	1.97	5.21	0.681	1.52	0.477	1.45
In.	0.24	0.28	0.56	1.64	2.29	1.78	2.20	6.01	0.76	1.75	0.55	1.62

Calendar year 1952: Max 5,160 Min 15 Mean 187 Cfsm 1.03 In. 14.02
Water year 1952-53: Max 7,310 Min 31 Mean 264 Cfsm 1.45 In. 19.68

Peak discharge (base, 1,900 cfs).--May 1 (1 p.m.) 7,790 cfs (20.8 ft); May 4 (8 a.m.) 3,590 cfs (14.3 ft); Sept. 27 (10 p.m.) 2,370 cfs (11.4 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 3¼ miles upstream from Flat Creek.

Drainage area.--108 sq mi.

Records available.--September 1943 to September 1953.

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.--10 years, 83.9 cfs.

Extremes.--Maximum and minimum discharges for the water years 1944-53, some of which have been revised, are contained in the following table. They supersede figures published in the water-supply papers indicated.

WSP	Water year	Maximum			Minimum observed		
		Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1002	1944	(a)	*3,000	†8.6	-	-	-
1032	1945	(b)	*386	†4.4	-	-	-
1052	1946	Jan. 16, 1946	*1,110	†6.2	-	-	-
1082	1947	Apr. 15, 1947	*960	†5.9	-	-	-
-	1948	Feb. 10, 1948	820	†5.6	Oct. 1,4,5,1947	39	0.42
-	1949	Feb. 11, 1949	1,110	†6.2	Aug. 14, 1949	46	.52
-	1950	June 1, 1950	268	†3.7	(c)	25	.20
-	1951	Dec. 30, 1950	193	†3.0	(d)	21	.16
-	1952	May 30, 1952	1,110	†6.2	Aug. 27, 28,1952	24	.16
-	1953	Sept.27, 1953	490	4.75	Oct. 4, 1952	27	.22

* Revised.
† From graph based on gage readings.
a Mar. 23, Apr. 23, 1944.
b Feb. 21, July 16, 1945.
c June 30, July 1, 2, 1950.
d Sept. 3-5, 9-11, 13, 1951.

1943-53: Maximum discharge, 3,000 cfs (revised) Mar. 23, Apr. 23, 1944 (gage height, 8.6 ft, from graph based on gage readings); minimum observed, 21 cfs Sept. 3-5, 9-11, 13, 1951.

Remarks.--Records good except those prior to Oct. 1, 1952, which are fair.

Revisions.--Revised figures of discharge, in cubic feet per second, for the water years 1944-47, superseding those published in WSP 1002, 1032, 1052, and 1082, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge
1944		1944-Con.		1946	
Mar. 23	1,220	Apr. 24	506	Jan. 16	865
24	1,400	26	254	17	506
25	414	27	1,470		
29	284	28	690	1947	
30	775	29	300	Apr. 15	820
31	338			16	414
Apr. 19	284	1945			
22	442	Feb. 21	318		
23	1,680	July 16	300		

	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
March 1944	7,343	1,400	60	237	2.19	2.52
April	8,962	1,680	96	299	2.77	3.09
Water year 1943-44	39,738	1,680	42	109	1.01	13.67
Calendar year 1944	39,893	1,680	46	109	1.01	13.72
February 1945	3,373	318	57	120	1.11	1.16
July	2,264	300	36	73.0	.676	.78
Water year 1944-45	26,650	318	35	73.0	.676	9.16
Calendar year 1945	27,736	358	35	76.0	.704	9.54
January 1946	4,922	865	74	159	1.47	1.70
Water year 1945-46	33,209	865	40	91.0	.843	11.43
Calendar year 1946	31,437	865	43	86.1	.797	10.82
April 1947	4,167	820	69	139	1.29	1.44
Water year 1946-47	29,838	820	35	81.7	.756	10.28

Big Indian Creek at Perry, Ga.--Continued

Discharge, in cubic feet per second, water year October 1947 to September 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	61	79	106	185	126	300	83	69	55	69	52
2	40	163	79	126	132	126	650	83	64	74	74	52
3	40	230	79	106	116	144	318	79	61	58	121	52
4	39	116	74	97	111	144	210	88	61	52	150	64
5	40	83	74	92	111	*126	170	97	58	49	121	74
6	40	88	79	92	106	138	170	92	55	49	88	69
7	43	83	79	92	111	268	284	101	55	46	69	64
8	79	101	79	92	150	284	*442	83	55	49	64	61
9	79	88	92	88	268	220	230	83	52	101	61	61
10	55	79	144	88	690	300	210	83	52	144	*58	58
11	49	*150	230	88	362	300	185	74	52	138	61	58
12	49	138	242	88	242	414	170	74	52	106	58	58
13	49	88	254	126	220	254	144	83	52	132	55	55
14	49	83	284	210	210	150	126	79	52	116	52	52
15	49	88	*230	150	201	150	132	74	52	106	55	55
16	69	101	220	101	163	185	132	69	55	116	79	52
17	156	88	220	97	170	185	116	64	58	92	79	49
18	318	88	150	101	177	193	106	*64	58	74	69	49
19	111	144	121	97	144	156	101	64	58	83	61	49
20	88	138	111	*101	132	144	101	64	58	69	79	49
21	74	101	111	138	132	132	97	61	55	61	74	*46
22	64	88	111	138	193	132	97	61	55	58	64	46
23	58	106	116	111	201	156	97	61	52	58	58	49
24	64	126	116	170	150	177	97	64	49	58	55	49
25	69	163	138	414	132	144	97	64	46	79	52	46
26	69	126	185	163	132	126	92	64	49	64	52	46
27	*64	92	150	121	126	132	92	79	49	55	49	49
28	61	83	116	126	126	138	88	74	52	58	49	83
29	61	79	106	126	138	121	83	88	*55	170	49	92
30	58	79	101	121	-	116	83	83	58	144	49	69
31	55	-	101	193	-	132	-	79	-	83	46	-
Total	2,178	3,241	4,271	3,959	5,331	5,513	5,220	2,359	1,649	2,597	2,120	1,708
Mean	70.3	108	138	128	184	178	174	76.1	55.0	83.8	68.4	56.9
Cfsm	0.651	1.00	1.28	1.19	1.70	1.65	1.61	0.705	0.509	0.776	0.633	0.527
In.	0.75	1.12	1.48	1.37	1.83	1.90	1.80	0.81	0.57	0.89	0.73	0.59

Calendar year 1947: Max 820 Min 35 Mean 93.9 Cfsm 0.869 In. 11.82
Water year 1947-48: Max 690 Min 39 Mean 110 Cfsm 1.02 In. 13.84

Peak discharge (base, 500 cfs).--Oct. 18 (10 a.m.) 506 cfs (4.8 ft); Jan. 25 (2 p.m.) 574 cfs (5.0 ft); Feb. 10 (2 p.m.) 820 cfs (5.6 ft); Apr. 2 (11 a.m.) 775 cfs (5.3 ft); Apr. 7 (11 p.m.) 690 cfs (5.0 ft).

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1948 to September 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	74	58	177	185	156	170	254	268	97	79	121	126
2	74	61	132	144	116	156	150	177	83	88	92	111
3	69	64	121	132	106	150	138	170	74	74	83	69
4	106	*61	116	121	101	138	138	126	74	69	111	79
5	150	61	106	126	136	138	126	111	74	64	97	74
6	92	74	101	220	138	138	121	106	74	61	64	69
7	74	92	106	230	138	138	116	101	74	58	58	64
8	61	79	242	156	156	126	111	101	111	55	88	61
9	55	69	414	132	268	*138	126	97	101	52	74	61
10	55	69	268	121	*650	144	101	101	83	58	55	58
11	64	64	163	116	775	138	116	111	83	55	52	55
12	106	61	132	116	318	126	144	101	88	125	49	52
13	83	64	126	111	254	126	170	92	92	*101	49	52
14	64	64	*121	111	193	132	126	88	83	74	49	52
15	61	64	116	106	170	177	111	88	83	83	58	52
16	58	64	116	106	170	156	101	83	111	163	74	52
17	58	74	111	106	300	126	97	83	92	138	*92	52
18	58	83	144	106	254	126	97	83	83	106	88	52
19	58	83	230	106	300	132	*97	83	74	92	74	55
20	58	116	220	111	775	121	92	83	74	92	64	55
21	58	88	150	106	338	116	97	79	83	92	61	52
22	61	92	121	106	220	116	185	79	83	74	64	55
23	61	116	116	106	177	121	177	97	83	69	64	58
24	58	170	111	106	170	116	116	318	83	64	64	52
25	58	144	116	101	163	116	111	254	92	64	58	52
26	58	92	111	*101	163	116	101	126	101	58	52	52
27	58	157	101	106	201	116	92	92	101	52	58	61
28	58	442	101	106	254	121	92	88	111	52	83	*61
29	58	960	101	106	-	156	230	88	101	49	101	58
30	58	414	300	111	-	132	538	101	79	55	69	52
31	58	-	362	138	-	163	-	*116	-	79	69	-
Total	2,122	4,100	4,952	3,855	7,162	4,185	4,271	3,691	2,625	2,395	2,235	1,854
Mean	68.4	137	160	124	256	135	142	119	87.5	77.3	72.1	61.8
Cfsm	0.633	1.27	1.48	1.15	2.37	1.25	1.31	1.10	0.810	0.716	0.668	0.572
In.	0.73	1.42	1.71	1.33	2.47	1.44	1.46	1.27	0.90	0.83	0.77	0.64

Calendar year 1948: Max 960 Min 46 Mean 114 Cfsm 1.06 In. 14.35
Water year 1948-49: Max 960 Min 49 Mean 119 Cfsm 1.10 In. 14.97

Peak discharge (base, 500 cfs).--Nov. 29 (8 p.m.) 1,060 cfs (6.1 ft); Feb. 11 (1 a.m.) 1,110 cfs (6.2 ft); Feb. 20 (2 p.m.) 1,060 cfs (5.9 ft); Apr. 30 (9 a.m.) 610 cfs (4.9 ft).

* Discharge measurement made on this day.

Big Indian Creek at Perry, Ga.--Continued

Discharge, in cubic feet per second, water year October 1949 to September 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	88	64	64	64	74	74	55	230	25	43	64
2	52	79	61	64	64	79	74	52	74	29	37	43
3	55	64	61	69	64	*74	69	58	52	37	34	39
4	52	61	61	69	64	74	74	55	64	31	31	36
5	55	58	64	69	61	170	92	52	64	29	28	34
6	58	58	64	69	58	230	79	49	52	*33	29	37
7	55	61	92	74	64	170	69	46	46	49	29	58
8	69	*58	121	74	69	144	64	46	64	170	29	64
9	64	58	97	64	64	132	64	46	83	83	30	74
10	61	64	74	64	92	97	64	43	61	55	39	43
11	61	61	69	88	97	83	64	43	52	*69	31	40
12	58	61	69	101	79	79	64	43	43	69	34	40
13	55	61	69	83	69	88	64	43	39	74	37	40
14	55	64	92	79	74	132	61	49	37	55	40	38
15	55	64	163	74	83	97	58	61	36	52	35	36
16	55	61	106	69	69	116	58	55	34	49	43	34
17	55	58	101	69	61	126	58	49	33	46	40	33
18	55	58	79	79	61	92	58	43	32	40	40	33
19	58	61	74	79	58	79	*58	43	30	39	40	33
20	55	64	74	69	58	79	58	46	30	43	37	31
21	55	64	*74	69	61	79	55	46	30	74	33	31
22	52	61	74	69	97	79	55	46	36	46	31	40
23	52	61	74	69	177	88	55	46	35	111	30	64
24	52	69	69	64	150	79	52	43	31	111	*28	52
25	52	101	64	*64	79	69	64	43	30	46	27	39
26	97	132	74	64	69	69	121	40	28	39	74	36
27	101	88	79	64	69	69	88	43	28	40	61	33
28	92	69	74	74	64	126	97	52	28	49	46	33
29	79	69	69	69	-	185	74	64	27	43	43	40
30	74	69	64	69	-	106	61	*64	25	40	40	46
31	79	-	64	64	-	74	-	182	-	43	52	-
Total	1,914	2,045	2,434	2,209	2,139	3,238	2,046	1,646	1,454	1,719	1,162	1,264
Mean	61.7	68.2	78.5	71.3	76.4	104	68.2	53.1	48.5	55.5	37.5	42.1
Cfsm	0.571	0.631	0.727	0.660	0.707	0.963	0.631	0.492	0.449	0.514	0.347	0.390
In.	0.66	0.70	0.84	0.76	0.74	1.11	0.70	0.57	0.50	0.59	0.40	0.44

Calendar year 1949: Max 775 Min 46 Mean 106 Cfsm 0.981 In. 13.31
Water year 1949-50: Max 230 Min 25 Mean 63.8 Cfsm 0.591 In. 8.01

Peak discharge (base, 500 cfs).--No peak above base.
* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1950 to September 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	40	46	79	69	52	88	39	29	64	43	23
2	40	40	46	64	83	52	61	37	27	69	39	*22
3	*39	40	49	*64	64	52	52	37	27	79	36	21
4	37	46	64	64	58	52	52	*35	26	92	31	21
5	36	46	61	61	55	52	49	36	*26	121	29	21
6	36	40	52	61	55	64	49	35	26	97	28	23
7	36	40	97	74	88	64	52	34	26	52	26	24
8	37	40	132	101	*106	64	83	33	*24	39	26	23
9	38	40	92	79	97	61	88	31	24	34	26	21
10	37	40	64	64	88	58	58	31	24	31	37	22
11	35	40	55	58	79	55	52	74	23	28	34	22
12	34	43	52	58	69	58	52	116	25	26	29	22
13	33	43	55	55	61	64	52	132	49	25	36	21
14	32	43	55	55	58	58	49	111	46	24	39	22
15	30	40	74	74	58	55	46	88	39	24	34	27
16	30	43	64	79	58	52	46	55	36	24	*36	43
17	32	*43	55	64	61	52	46	37	35	25	36	49
18	37	43	49	58	64	55	49	31	34	36	34	43
19	83	40	49	55	61	*120	64	31	31	38	33	35
20	132	43	46	52	58	144	97	31	29	*38	31	33
21	88	46	46	49	64	83	88	32	29	33	30	31
22	58	43	46	46	69	61	64	34	29	31	27	34
23	55	43	46	46	61	55	74	32	27	34	23	92
24	49	43	43	55	55	52	88	31	28	32	34	97
25	46	43	43	61	55	52	64	31	40	32	33	144
26	43	43	46	55	52	52	52	49	52	38	29	144
27	43	46	79	52	52	49	46	64	39	34	26	79
28	43	46	88	52	52	49	46	46	40	39	25	58
29	43	46	126	52	-	74	43	36	79	39	23	43
30	43	46	177	52	-	132	40	32	74	46	23	37
31	40	-	126	55	-	106	-	31	-	46	24	-
Total	1,408	1,278	2,123	1,894	1,850	2,049	1,790	1,472	1,043	1,368	960	1,297
Mean	45.4	42.6	68.5	61.1	66.1	66.1	59.7	47.5	34.8	44.1	31.0	43.2
Cfsm	0.420	0.394	0.634	0.566	0.612	0.612	0.553	0.440	0.322	0.408	0.287	0.400
In.	0.48	0.44	0.73	0.65	0.64	0.71	0.62	0.51	0.36	0.47	0.33	0.45

Calendar year 1950: Max 230 Min 25 Mean 59.4 Cfsm 0.550 In. 7.46
Water year 1950-51: Max 177 Min 21 Mean 50.8 Cfsm 0.470 In. 6.39

Peak discharge (base, 500 cfs).--No peak above base.
* Discharge measurement made on this day.

Big Indian Creek at Perry, Ga.--Continued

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	34	49	43	55	52	80	105	46	141	34	41	80
2	34	79	43	52	52	70	111	44	85	31	36	55
3	32	101	43	52	92	70	95	44	60	41	31	70
4	*31	88	64	49	111	188	85	111	50	28	30	46
5	29	52	83	52	83	*384	85	111	48	27	34	36
6	27	43	88	49	64	*238	85	55	50	27	*36	34
7	26	61	74	46	*58	*117	75	46	50	27	38	31
8	26	58	58	46	55	90	70	50	46	28	41	31
9	26	43	58	46	52	80	75	58	*46	28	36	30
10	26	43	61	46	52	80	*75	52	46	*27	34	28
11	26	40	58	49	52	135	70	85	46	27	31	27
12	26	39	55	46	52	220	65	117	41	26	30	31
13	26	39	52	46	58	177	75	80	38	26	30	36
14	26	39	49	49	69	135	100	50	36	26	30	34
15	26	79	58	46	*185	100	90	46	36	26	*27	31
16	27	132	61	46	*318	85	70	44	46	26	26	34
17	26	185	55	*46	254	*75	65	41	46	26	25	31
18	26	144	64	46	*129	75	60	41	70	25	25	36
19	*26	74	92	43	85	90	58	41	90	25	25	46
20	26	52	101	46	80	95	58	44	60	25	25	41
21	27	46	121	49	95	75	52	44	75	26	26	48
22	37	43	106	52	85	70	50	41	80	41	25	65
23	34	43	74	69	70	134	48	41	48	36	25	85
24	34	43	61	64	70	*538	46	41	38	31	30	46
25	34	43	55	52	75	*506	50	52	36	28	26	36
26	32	43	74	49	90	*300	65	60	34	31	25	36
27	32	*43	111	49	148	*193	75	65	34	31	25	34
28	36	46	97	74	162	*141	*65	50	31	30	*25	31
29	39	43	69	111	105	117	52	103	31	29	38	31
30	35	43	58	83	-	100	48	*910	31	27	75	31
31	35	-	58	58	-	75	-	300	-	26	90	-
Total	927	1,876	2,144	1,666	2,853	4,833	2,123	2,913	1,569	892	1,041	1,211
Mean	29.9	62.5	69.2	53.7	98.4	156	70.8	94.0	52.3	28.8	33.6	40.5
Cfsm	0.277	0.579	0.641	0.497	0.911	1.44	0.656	0.870	0.484	0.267	0.311	0.374
In.	0.32	0.65	0.74	0.57	0.98	1.66	0.73	1.00	0.54	0.31	0.36	0.42

Calendar year 1951: Max 185 Min 21 Mean 51.2 Cfsm 0.474 In. 6.45
Water year 1951-52: Max 910 Min 25 Mean 65.7 Cfsm 0.608 In. 8.28

Peak discharge (base, 500 cfs).--Mar. 24 (8 p.m.) 730 cfs (5.4 ft); May 30 (11 a.m.) 1,110 cfs (6.2 ft).
* Discharge measurement made on this day.

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	31	34	41	129	95	123	60	70	36	44	46	36
2	31	36	46	95	85	100	62	75	36	41	44	50
3	30	36	58	75	70	95	60	233	36	46	41	52
4	27	34	58	60	62	100	58	284	34	70	38	41
5	28	31	60	*55	58	148	55	129	36	95	36	41
6	*28	36	70	50	58	141	62	117	36	148	36	117
7	28	36	58	50	85	90	129	254	41	129	34	62
8	34	36	50	60	100	85	148	254	46	111	34	46
9	46	36	46	105	75	75	95	148	46	70	85	38
10	41	70	46	155	60	75	135	95	41	85	129	36
11	36	100	55	148	58	95	338	*80	41	80	65	*36
12	36	80	50	105	60	129	300	70	44	52	46	34
13	*36	55	48	75	60	105	201	*65	38	46	41	34
14	36	46	46	65	58	100	169	58	36	44	38	34
15	38	44	46	60	158	90	111	55	36	44	36	34
16	46	41	44	58	*242	85	95	52	36	62	36	36
17	41	41	41	55	157	75	85	52	41	75	46	36
18	36	41	44	65	85	75	75	52	44	95	41	34
19	36	44	41	95	70	80	80	62	41	111	38	36
20	36	70	46	95	70	80	85	65	44	148	38	105
21	34	90	80	123	85	80	70	75	60	177	36	148
22	31	60	65	141	141	129	65	85	*58	254	36	75
23	34	46	55	100	129	123	65	60	48	155	34	44
24	34	*44	75	169	105	100	65	52	44	85	34	48
25	34	41	95	201	155	85	62	48	41	60	34	95
26	34	44	129	111	308	75	65	44	46	58	31	177
27	34	46	100	80	300	65	62	41	60	65	31	400
28	36	44	65	70	200	62	58	41	90	123	34	374
29	34	41	52	70	-	62	55	38	95	117	46	189
30	34	41	50	65	-	60	58	38	48	*65	44	100
31	34	-	85	65	-	*58	-	38	-	50	38	-
Total	1,074	1,444	1,845	2,850	3,189	2,845	3,028	2,830	1,379	2,805	1,346	2,588
Mean	34.6	48.1	59.5	91.9	114	91.8	101	91.3	46.0	90.5	43.4	86.3
Cfsm	0.320	0.445	0.551	0.851	1.06	0.850	0.935	0.845	0.426	0.838	0.402	0.799
In.	0.37	0.50	0.64	0.98	1.10	0.98	1.04	0.97	0.48	0.97	0.46	0.89

Calendar year 1952: Max 910 Min 25 Mean 64.1 Cfsm 0.594 In. 8.08
Water year 1952-53: Max 400 Min 27 Mean 74.6 Cfsm 0.691 In. 9.38

Peak discharge (base, 500 cfs).--No peak above base.
* Discharge measurement made on this day.

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, 2¼ miles downstream from Jordon Creek, and at mile 135.1.

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

Records available.--January 1944 to September 1953 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.--9 years, 4,246 cfs.

Extremes.--Maximum discharge during year, 32,400 cfs May 7 (gage height, 25.8 ft, from graph based on gage readings); minimum daily, 1,140 cfs Oct. 29, Nov. 5.
1944-53: Maximum discharge, 68,000 cfs Dec. 2, 1948 (gage height, 34.4 ft, from graph based on gage readings); minimum daily, 870 cfs Oct. 15-17, 22-24, 1951.
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 for monthly change in contents).

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.9	1,140	14.0	10,000
4.0	2,410	20.0	18,200
8.0	5,080	26.0	33,000

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	1,240	1,240	1,360	3,120	6,930	14,700	5,710	3,120	2,080	3,120	3,780	1,240
2	1,420	1,190	1,360	3,580	5,850	16,000	5,360	3,640	1,900	3,120	3,520	1,300
3	1,420	1,190	1,420	3,840	5,570	15,400	5,080	6,130	1,900	2,930	3,120	1,300
4	1,420	1,190	1,660	4,100	5,290	13,600	4,870	17,700	2,080	2,860	2,410	1,540
5	1,540	1,140	1,780	4,380	*5,010	11,500	4,800	27,900	1,900	3,000	1,960	1,840
6	1,540	1,190	1,840	4,660	4,800	9,740	4,800	30,000	1,840	3,060	1,960	1,960
7	1,190	1,240	1,720	4,800	4,940	8,560	5,080	31,800	1,840	2,800	1,900	2,220
8	1,190	1,190	1,600	4,590	5,150	7,580	5,080	30,900	1,840	2,340	1,900	2,410
9	1,240	1,190	1,480	4,310	5,150	7,840	4,730	27,300	1,780	3,060	2,080	2,080
10	1,240	1,190	1,480	4,240	5,010	8,190	5,010	24,000	1,900	3,640	1,900	1,660
11	1,300	1,240	1,660	4,450	4,870	8,370	6,270	20,900	2,480	3,780	1,780	1,540
12	1,420	1,360	1,780	4,590	4,660	7,920	7,170	18,200	2,410	3,520	1,660	1,600
13	1,480	1,420	1,780	4,870	4,450	7,250	8,010	15,300	3,000	3,120	1,600	1,540
14	1,240	1,480	2,080	5,220	4,590	6,700	8,740	12,700	2,340	2,930	1,540	1,540
15	1,190	1,540	1,720	5,710	5,500	6,480	8,940	10,500	2,220	1,900	1,480	1,360
16	1,300	1,480	1,960	6,340	6,270	6,480	8,740	8,460	1,780	2,340	1,420	1,240
17	1,540	1,360	1,660	7,090	6,560	6,630	8,010	6,860	1,720	2,930	1,360	1,240
18	1,660	1,240	*2,020	7,920	6,560	6,700	7,330	6,130	2,220	3,580	1,480	1,420
19	1,540	1,240	2,150	8,100	*6,860	6,700	7,090	5,500	2,410	4,240	1,660	1,600
20	*1,360	1,300	2,280	7,500	7,660	6,560	7,010	5,010	2,480	4,730	1,720	1,960
21	1,240	1,420	2,150	6,630	8,370	6,270	5,920	4,450	2,410	5,150	1,660	2,220
22	1,190	1,420	1,900	5,990	8,560	6,270	5,500	4,310	2,220	5,780	1,600	1,960
23	1,240	1,540	2,020	5,710	8,100	6,560	5,150	4,450	2,220	6,630	1,480	1,960
24	1,480	1,600	2,540	5,920	7,500	6,780	4,870	4,520	2,150	7,250	1,420	2,600
25	1,540	1,420	2,800	6,060	7,330	7,010	4,520	4,590	2,480	6,930	1,360	*2,540
26	1,420	1,300	3,060	6,130	8,650	6,700	4,100	4,310	2,670	6,340	1,300	3,190
27	1,300	1,540	3,060	6,200	10,700	8,100	3,520	3,710	2,740	5,780	1,300	4,940
28	1,190	1,540	2,670	6,480	13,000	8,010	2,800	3,190	2,800	5,290	1,300	5,640
29	1,140	1,540	2,670	6,860	-	7,500	2,540	3,060	3,000	4,730	1,360	5,780
30	1,190	1,420	2,410	6,860	-	6,700	2,860	2,740	3,060	*4,170	1,360	5,710
31	1,240	-	2,410	6,560	-	*6,130	-	2,410	-	3,900	1,300	-
Total	41,640	40,350	62,480	172,810	183,890	258,930	169,610	353,790	67,870	124,950	55,670	69,130
Mean	1,343	1,345	2,015	5,575	6,568	8,353	5,654	11,410	2,262	4,031	1,796	2,304
Cfsm	0.353	0.354	0.530	1.47	1.73	2.20	1.49	3.00	0.595	1.06	0.473	0.606
In.	0.41	0.40	0.61	1.70	1.80	2.54	1.66	3.46	0.66	1.22	0.55	0.68

Calendar year 1952: Max 34,400 Min 1,020 Mean 3,883 Cfsm 1.02 In. 13.92
Water year 1952-53: Max 31,800 Min 1,140 Mean 4,387 Cfsm 1.15 In. 15.69

* 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 1953. 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.--17 years, 5,565 cfs.

Extremes.--Maximum discharge during year, 35,300 cfs May 13 (gage height, 17.0 ft); minimum, 1,630 cfs Nov. 6-10.
1936-53: Maximum discharge, 70,000 cfs Dec. 8, 1948; maximum gage height, 22.7 ft Dec. 9, 1948; minimum discharge, 1,310 cfs Oct. 21, 1938; minimum gage height, 0.0 ft Sept. 12-14, Oct. 20, 25-27, 1951.
Maximum stage known, 26.3 ft Jan. 21, 1925.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 27, Jan. 1 to Feb. 19, May 22 to July 16)

0.8	1,630	10.0	10,200
1.0	1,750	13.0	16,600
4.0	3,730	16.0	29,200
6.0	5,400	17.0	35,300

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	2,300	1,690	1,870	3,240	7,840	11,900	8,980	5,800	4,420	3,310	6,640	2,050
2	2,110	1,690	1,670	3,170	7,840	12,100	8,980	5,130	4,030	3,310	6,100	2,050
3	1,990	1,690	1,870	3,170	8,080	12,100	8,840	4,590	3,660	3,380	5,600	2,050
4	1,870	1,690	1,810	3,380	8,200	12,500	8,560	4,500	3,310	3,450	5,040	2,370
5	1,930	1,690	1,750	3,590	8,200	13,500	8,080	4,860	3,030	3,520	4,590	2,300
6	1,930	1,690	1,810	3,730	7,960	15,000	7,600	5,220	2,890	*3,520	4,260	2,700
7	1,930	1,630	1,930	3,880	7,840	16,600	7,840	6,300	2,960	3,520	3,800	2,960
8	1,990	1,630	1,990	4,030	8,080	17,500	8,320	7,960	2,960	3,520	3,310	2,820
9	2,050	1,630	2,050	4,260	7,960	17,800	8,700	10,200	2,890	3,730	2,960	2,760
10	1,930	1,630	2,050	4,420	7,600	16,900	8,840	14,700	2,820	3,880	2,760	2,820
11	1,870	1,690	1,990	4,680	7,240	16,000	9,120	23,200	2,760	3,660	2,700	2,820
12	1,870	1,690	1,930	4,950	7,120	15,000	9,400	31,500	2,760	3,730	2,760	2,700
13	1,870	1,690	1,930	5,040	7,000	14,000	10,700	34,600	2,820	3,960	2,700	2,440
14	1,870	1,750	1,990	5,130	7,000	12,900	11,400	33,400	3,030	4,100	2,560	2,240
15	1,930	1,810	2,050	5,130	7,120	12,300	11,700	29,200	3,100	4,180	2,440	2,180
16	1,930	1,810	2,110	5,220	7,360	11,700	11,600	25,600	3,100	4,100	2,300	2,180
17	1,870	1,870	2,240	5,220	7,600	11,400	11,600	21,900	3,100	3,730	*2,240	2,110
18	1,810	1,930	2,370	5,400	7,720	10,900	11,600	18,800	2,960	3,240	2,370	2,050
19	1,810	1,930	2,300	5,700	7,840	*10,900	11,600	16,600	2,700	3,170	2,440	1,930
20	1,930	1,870	2,180	6,000	8,080	10,600	11,600	14,700	2,560	3,450	2,500	1,930
21	1,990	1,810	2,300	*6,400	8,840	10,200	11,400	12,900	2,700	3,880	2,440	1,990
22	1,990	1,810	2,440	7,120	9,540	10,100	11,000	11,000	2,820	4,260	2,500	2,110
23	1,930	1,810	2,500	7,720	10,200	10,100	10,400	9,680	2,890	4,680	2,560	2,300
24	1,810	1,870	2,440	8,440	10,900	10,200	9,820	8,320	2,960	5,040	2,500	2,500
25	1,750	1,930	2,370	8,980	11,000	10,100	9,120	*7,240	2,890	5,220	2,440	2,630
26	1,750	1,930	2,370	9,260	11,200	9,680	8,560	6,200	2,890	5,400	2,300	3,730
27	*1,810	1,990	2,440	8,980	11,600	9,260	7,960	5,700	2,960	5,800	2,240	8,320
28	1,930	1,870	2,700	8,560	11,700	8,980	7,360	5,500	3,100	6,100	2,240	11,600
29	1,870	1,810	2,960	8,200	-	8,840	*6,880	5,400	3,170	6,520	2,240	13,100
30	1,810	1,870	3,100	7,960	-	8,700	6,300	5,220	3,240	6,880	2,180	12,100
31	1,690	-	3,170	7,840	-	8,840	-	4,950	-	6,880	2,110	-
Total	59,120	53,400	68,880	178,800	238,660	376,600	283,860	400,870	91,480	133,120	95,820	107,840
Mean	1,907	1,780	2,222	5,768	8,524	12,150	9,462	12,930	3,049	4,294	3,091	3,595
Cfsm	0.368	0.344	0.429	1.11	1.65	2.35	1.83	2.50	0.589	0.829	0.597	0.694
In.	0.42	0.38	0.49	1.28	1.72	2.71	2.04	2.88	0.66	0.96	0.69	0.77

Calendar year 1952: Max 32,700 Min 1,460 Mean 5,118 Cfsm 0.988 In. 13.43
Water year 1952-53: Max 34,600 Min 1,630 Mean 5,722 Cfsm 1.10 In. 15.00

* Discharge measurement made on this day.

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 1953.
Gage.--Water-stage recorder. Datum of gage is 784.42 ft above mean sea level, datum of 1929.
Extremes.--1951: Maximum discharge during period July to September, 295 cfs Sept. 22 (gage height, 3.25 ft); minimum, 2.3 cfs Sept. 8, 9.
1951-52: Maximum discharge during water year, 1,150 cfs Mar. 10 (gage height, 11.5 ft, from floodmark); minimum, 4.5 cfs Oct. 8, 18-20.
1952-53: Maximum discharge during water year, 744 cfs July 4 (gage height, 6.2 ft); minimum, 5.6 cfs Sept. 1-3.
Remarks.--Records good except those for period of no gage-height record, which are fair.

Rating table, July 7, 1951, to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 28 to Dec. 14, 1951)

0.6	1.4	1.6	52
.7	2.7	2.0	97
.8	4.7	3.0	250
1.0	11	5.0	600
1.3	27		

Discharge, in cubic feet per second, 1951

Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.	Day	July	Aug.	Sept.
1	-	4.7	2.7	9	10	4.1	2.6	17	7.6	4.5	4.7	25	5.3	4.1	10
2	-	4.3	2.6	10	*10	3.7	*2.6	18	7.0	3.9	5.6	26	5.8	3.7	8.6
3	-	3.7	2.6	11	9.3	10	3.3	19	9.6	3.9	5.3	27	5.3	3.5	11
4	-	3.3	2.7	12	8.6	5.9	3.3	20	6.2	3.7	4.5	28	5.3	3.1	7.3
5	-	3.3	2.7	13	8.6	5.0	3.3	21	5.6	3.3	4.5	29	5.3	3.1	5.6
6	-	4.1	2.7	14	8.3	5.3	9.0	22	5.9	3.9	40	30	*5.9	3.3	5.6
7	12	5.9	2.6	15	7.9	5.0	7.3	23	5.6	4.1	12	31	6.4	3.1	-
8	10	4.1	2.4	16	7.9	*4.5	5.6	24	5.0	*3.7	7.9				
Total													-	131.8	190.6
Mean													-	4.25	6.35
Cubic feet per second per square mile													-	0.246	0.367
Runoff in inches													-	0.28	0.41

* Discharge measurement made on this day.

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	5.9	26	8.6	27	23	29	47	32	20	16	12	12
2	5.9	11	8.6	25	23	25	40	29	19	15	11	15
3	5.3	9.3	8.6	24	178	160	37	28	19	14	9.6	13
4	5.0	8.6	26	23	63	389	36	27	18	14	9.0	10
5	5.0	7.9	13	36	*38	83	34	25	22	13	16	10
6	5.0	8.3	10	28	30	51	33	25	20	12	19	10
7	4.7	20	9.3	25	26	49	32	24	18	12	27	9.6
8	4.7	10	9.3	24	24	40	31	*23	18	18	20	9.6
9	4.7	9.0	10	23	23	36	31	23	17	16	28	10
10	5.0	8.6	10	23	22	*a460	30	23	18	14	18	9.6
11	5.0	8.3	9.3	*20	21	a360	30	26	19	12	14	*9.3
12	5.0	8.3	9.0	18	20	91	30	23	19	12	11	11
13	5.0	7.9	8.6	18	*20	62	35	23	18	12	11	18
14	5.0	9.0	11	18	20	50	33	23	18	11	14	11
15	5.0	9.3	44	18	20	46	30	22	16	11	13	14
16	*4.7	9.6	18	18	26	42	29	22	16	11	11	13
17	4.7	8.6	16	18	23	40	28	21	16	9.6	11	10
18	4.6	8.3	36	18	21	40	28	20	16	9.6	10	9.6
19	4.5	8.3	28	17	20	69	28	28	*15	16	9.6	17
20	4.5	8.3	300	18	20	43	27	32	14	14	9.6	10
21	16	8.3	*528	17	20	72	26	23	16	11	10	9.6
22	9.6	8.3	87	25	19	118	26	22	15	10	10	9.6
23	10	8.3	52	23	19	294	26	21	14	9.6	10	9.6
24	15	8.3	36	20	21	142	50	23	13	12	10	9.0
25	8.3	8.3	30	20	20	79	72	26	12	14	9.6	8.6
26	7.3	7.9	54	19	27	82	126	21	12	10	9.0	9.0
27	7.0	7.9	37	25	35	53	137	20	12	9.6	9.0	8.6
28	8.6	*9.0	33	113	33	*46	56	20	74	9.3	8.6	8.6
29	6.7	9.0	31	48	30	42	41	21	23	10	10	8.6
30	7.9	8.6	30	30	-	39	36	23	17	10	14	8.3
31	*7.6	-	27	25	-	38	-	22	-	*9.0	13	-
Total	203.1	288.5	1,538.3	804	885	3,150	1,245	741	562	376.7	397.0	321.2
Mean	6.55	9.62	49.6	25.9	30.5	102	41.5	23.9	18.7	12.2	12.8	10.7
Cfsm	0.379	0.556	2.87	1.50	1.76	5.90	2.40	1.38	1.08	0.705	0.740	0.618
In.	0.44	0.62	3.31	1.73	1.90	6.80	2.68	1.59	1.20	0.81	0.85	0.69

Calendar year 1951: Max - Min - Mean - Cfsm - In. -
Water year 1951-52: Max 528 Min 4.5 Mean 28.7 Cfsm 1.66 In. 22.62

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of 6 discharge measurements and floodmark.

Allen Creek at Talmo, 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	8.3	10	11	30	20	34	27	61	14	16	12	5.6
2	7.6	10	20	34	20	54	26	41	13	14	11	5.6
3	7.0	10	15	31	19	44	25	36	12	16	11	24
4	7.6	10	*13	25	18	74	25	49	12	148	10	25
5	7.6	10	20	22	18	51	25	36	12	49	9.6	21
6	*7.6	10	16	20	23	41	26	145	12	29	9.3	18
7	8.3	10	14	19	54	38	26	79	13	25	8.6	16
8	7.9	10	14	*140	30	36	*24	53	14	22	8.3	13
9	15	10	14	270	26	33	23	42	14	20	*7.6	12
10	11	16	51	201	24	32	23	37	13	18	7.3	11
11	10	14	27	64	25	35	22	34	12	16	7.0	10
12	9.6	12	20	40	27	35	46	31	11	15	6.7	10
13	9.3	12	18	34	24	33	31	29	13	14	6.7	9.6
14	9.0	12	16	29	25	32	26	*28	25	13	6.4	9.6
15	9.0	12	15	26	86	31	26	27	19	26	6.2	9.3
16	9.0	12	14	*25	42	*28	31	27	18	25	5.9	9.3
17	9.0	12	14	24	33	27	26	27	18	20	5.9	9.0
18	8.6	12	14	26	28	30	26	27	16	20	5.9	*7.9
19	8.6	23	14	23	27	32	26	49	14	28	7.0	34
20	8.3	20	18	22	25	28	25	30	42	23	18	32
21	8.3	23	17	28	32	28	25	28	22	20	14	19
22	8.6	15	15	23	69	42	23	26	20	33	12	16
23	9.0	14	18	52	50	59	23	24	16	28	11	15
24	*9.0	12	16	47	50	44	22	22	*15	20	9.3	14
25	9.0	12	16	31	47	38	21	20	94	18	8.3	34
26	9.0	14	15	27	48	33	21	18	30	17	7.6	37
27	9.0	12	14	26	*40	31	20	17	21	16	7.0	45
28	9.3	12	14	25	37	30	20	16	20	16	6.7	22
29	9.3	12	14	23	-	28	20	16	19	15	6.4	18
30	9.6	12	16	22	-	27	225	16	24	14	6.2	17
31	10	-	87	21	-	27	-	15	-	13	5.9	-
Total	278.4	385	600	1,430	967	1,135	955	1,106	598	767	264.8	528.9
Mean	8.98	12.8	19.4	46.1	34.5	36.6	31.8	35.7	19.9	24.7	8.54	17.6
Cfsm	0.519	0.740	1.12	2.66	1.99	2.12	1.84	2.06	1.15	1.43	0.494	1.02
In.	0.60	0.83	1.29	3.07	2.07	2.44	2.05	2.38	1.28	1.65	0.57	1.14

Calendar year 1952: Max 460 Min 7.0 Mean 26.6 Cfsm 1.54 In. 20.97
Water year 1952-53: Max 270 Min 5.6 Mean 24.7 Cfsm 1.43 In. 19.37

* 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 1953 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.--16 years (1937-53), 490 cfs.

Extremes.--Maximum discharge during year, 5,520 cfs Jan. 11 (gage height, 10.9 ft); minimum daily, 67 cfs Sept. 13.
1901-2, 1929-32, 1937-53: Maximum discharge observed, 19,600 cfs Feb. 28, 1902 (gage height, 25.5 ft, site and datum then in use); minimum daily, 42 cfs Sept. 23, 1941.

Remarks.--Records good except those for period of no gage-height record, which are fair. Diurnal fluctuation and slight regulation at times caused by powerplants above station.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 23-27)

0.7	63	3.0	1,500
1.0	127	4.0	1,900
1.5	320	8.0	3,630
2.0	690	11.0	5,600

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	163	156	*204	1,250	425	650	425	1,320	279	289	186	96
2	144	159	208	848	399	750	425	2,060	265	256	182	100
3	133	159	315	785	399	850	412	960	235	208	179	239
4	117	159	274	681	379	1,200	386	884	239	310	159	189
5	122	163	252	497	361	1,600	379	756	260	460	*153	172
6	139	163	350	425	367	1,300	379	1,100	252	576	153	144
7	133	163	289	379	952	1,000	467	2,060	260	320	147	186
8	122	163	252	425	1,250	750	438	2,680	260	243	144	156
9	153	163	235	3,440	776	650	386	1,460	252	248	144	139
10	211	166	274	3,740	560	580	379	794	260	239	147	114
11	208	204	812	5,160	504	580	379	*609	609	208	156	92
12	166	226	618	*3,300	497	620	452	535	504	179	144	112
13	172	200	386	1,170	535	*618	812	489	269	189	127	67
14	156	169	320	785	475	576	600	452	305	189	124	*100
15	166	176	294	636	1,210	527	452	425	355	189	124	96
16	163	176	260	560	1,620	512	419	405	300	219	104	96
17	153	176	235	512	1,130	482	412	399	305	243	110	96
18	159	172	239	584	700	467	379	392	300	243	117	92
19	156	179	235	700	568	527	386	399	269	320	104	102
20	153	373	239	568	1,000	482	379	709	405	332	208	618
21	*144	367	300	600	2,060	452	361	543	1,130	320	230	482
22	147	344	305	609	3,100	512	350	445	*654	519	142	189
23	127	265	274	636	2,430	848	338	392	355	519	139	159
24	156	222	294	1,170	*1,170	952	332	373	315	405	133	150
25	156	208	294	1,170	994	785	326	361	260	284	130	150
26	159	196	274	747	926	609	326	*338	432	204	124	535
27	159	211	260	584	830	543	326	326	460	211	112	943
28	159	222	243	543	660	512	305	294	379	211	110	1,080
29	159	204	235	497	-	475	315	294	367	211	104	460
30	156	200	239	475	-	*445	482	294	279	211	96	305
31	156	-	960	432	-	438	-	279	-	189	94	-
Total	4,767	6,104	9,969	33,908	26,277	21,292	12,207	22,827	10,814	8,744	4,326	7,459
Mean	154	203	322	1,094	938	687	407	736	360	282	140	249
Cfsm	0.387	0.510	0.809	2.75	2.36	1.73	1.02	1.85	0.905	0.709	0.352	0.626
In.	0.45	0.57	0.93	3.17	2.46	1.99	1.14	2.13	1.01	0.82	0.41	0.70

Calendar year 1952: Max 6,000 Min 100 Mean 495 Cfsm 1.24 In. 16.92
Water year 1952-53: Max 5,160 Min 67 Mean 462 Cfsm 1.16 In. 15.78

Peak discharge (base, 3,800 cfs).--Jan. 11 (4 p.m.) 5,520 cfs (10.9 ft).
* Discharge measurement made on this day.
Note.--No gage-height record Feb. 28 to Mar. 12; discharge estimated on basis of records for stations on nearby streams.

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 1953 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.--43 years (1903-13, 1914-31, 1937-53), 1,482 cfs.

Extremes.--Maximum discharge during year, 8,210 cfs Jan. 13 (gage height, 16.1 ft); minimum daily, 166 cfs Sept. 15.
1903-31, 1937-53: Maximum gage height observed, 35.4 ft Aug. 26, 1908 (discharge not determined); minimum daily discharge, 60 cfs Sept. 28, 1925.

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.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Dec. 11)

0.5	156	4.0	1,230
1.0	262	13.0	5,560
2.0	525	16.0	8,100

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	329	360	469	2,340	1,080	1,880	1,230	5,740	649	666	511	238
2	347	360	483	2,200	1,040	1,750	1,190	4,780	617	649	497	244
3	299	373	585	1,980	1,040	2,060	1,150	4,330	585	601	570	274
4	276	373	716	1,660	962	2,520	1,150	3,510	585	555	441	511
5	283	360	649	1,320	926	3,510	1,080	2,760	540	1,190	441	400
6	225	373	633	*1,080	890	3,280	1,080	2,660	585	1,150	413	386
7	287	373	733	926	1,360	2,570	1,110	3,850	585	1,110	360	400
8	316	360	633	854	2,250	1,980	1,190	4,230	649	1,270	400	386
9	*309	360	585	2,350	2,200	1,700	1,110	4,480	633	767	373	400
10	347	360	555	4,230	1,660	1,530	1,080	3,610	617	601	360	322
11	427	413	716	5,220	1,270	1,530	1,040	*2,020	801	570	373	285
12	511	469	1,270	7,010	1,230	1,700	1,150	1,620	1,150	570	347	258
13	307	511	1,040	7,990	1,230	1,750	1,700	1,440	872	455	334	249
14	373	469	784	5,130	1,190	1,570	1,700	1,320	682	469	332	*238
15	386	413	666	1,930	2,570	1,530	1,320	1,230	854	469	292	166
16	386	427	585	1,480	3,230	1,440	1,150	1,190	872	525	292	232
17	373	413	555	1,320	*3,040	1,320	1,080	1,150	716	585	276	217
18	360	413	555	1,270	2,290	1,320	1,080	1,150	*733	617	280	219
19	360	413	540	1,530	1,660	1,550	1,000	1,080	682	733	299	219
20	347	469	525	1,480	1,480	1,400	1,040	1,270	716	767	585	441
21	334	801	633	1,700	2,900	1,320	1,000	1,480	1,080	699	570	1,150
22	334	818	682	1,660	4,280	2,570	926	1,230	1,570	784	511	872
23	295	649	666	1,480	5,160	3,510	926	1,080	1,080	1,000	360	455
24	334	585	682	3,040	5,800	2,710	890	962	908	1,000	347	373
25	329	*497	699	2,760	5,220	2,340	854	926	784	836	347	427
26	360	483	666	2,390	3,460	1,980	854	926	784	633	329	801
27	*360	497	617	1,840	2,660	1,660	890	818	1,040	483	299	2,250
28	360	525	585	1,480	2,200	1,480	854	750	1,080	666	292	2,060
29	347	511	555	1,360	-	1,400	784	716	890	511	267	1,700
30	347	483	555	1,230	-	*1,320	2,550	666	784	*555	251	1,000
31	347	-	1,210	1,150	-	1,230	-	682	-	483	247	-
Total	10,595	13,911	20,827	73,390	64,278	59,390	34,158	63,656	24,123	21,969	11,596	17,173
Mean	342	464	672	2,367	2,296	1,916	1,139	2,053	804	709	374	572
Cfsm	0.314	0.426	0.617	2.17	2.11	1.76	1.04	1.88	0.738	0.650	0.343	0.525
In.	0.36	0.48	0.71	2.50	2.20	2.03	1.16	2.17	0.82	0.75	0.40	0.59

Calendar year 1952: Max 12,500 Min 225 Mean 1,278 Cfsm 1.17 In. 15.98
Water year 1952-53: Max 7,990 Min 166 Mean 1,137 Cfsm 1.04 In. 14.17

Peak discharge (base, 6,000 cfs).--Jan. 13 (8 a.m.) 8,210 cfs (16.1 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 1953.

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 December 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.--16 years (1937-53), 547 cfs.

Extremes.--Maximum discharge during year, 4,330 cfs Jan. 11 (gage height, 13.4 ft); minimum daily, 79 cfs Oct. 6.
1901-8, 1937-53: Maximum gage height observed, 27.5 ft Aug. 25, 1908, datum then in use (discharge not determined); minimum daily discharge, 36 cfs Sept. 11, 1951.
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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 12 to June 21)

0.9	75	7.0	1,350
1.0	87	10.0	2,390
2.0	232	14.0	4,800
4.0	616		

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	104	120	167	1,190	430	770	490	1,980	208	353	186	85
2	103	124	179	1,080	430	726	490	2,390	194	299	179	92
3	95	126	240	840	400	864	470	1,740	179	265	176	326
4	90	127	240	726	391	960	450	1,710	179	265	164	391
5	85	126	232	530	372	1,580	430	1,350	180	430	155	232
6	79	127	248	*430	353	1,520	430	1,110	186	510	147	282
7	90	127	256	382	594	960	450	1,850	198	372	138	274
8	90	126	224	372	960	748	450	2,230	224	726	137	191
9	*109	124	200	906	770	660	430	1,580	232	490	147	155
10	128	134	208	2,750	594	594	430	1,010	224	326	133	135
11	145	152	256	4,120	490	616	450	*704	326	256	126	131
12	133	172	299	2,940	480	748	470	572	440	224	135	124
13	124	170	290	1,520	510	770	660	510	362	208	121	121
14	120	156	232	888	470	660	638	450	290	197	117	*108
15	120	151	208	682	1,050	638	510	420	290	196	101	108
16	144	149	197	572	1,880	616	430	391	290	232	101	106
17	144	147	191	510	*1,350	550	410	372	274	248	101	110
18	130	148	188	490	792	530	382	372	*256	739	108	103
19	114	151	184	616	616	682	391	372	224	1,580	121	97
20	112	191	191	616	594	638	391	480	299	638	208	326
21	105	274	274	638	1,010	550	362	480	470	410	190	572
22	100	256	290	1,010	2,030	1,010	353	400	638	470	149	382
23	101	208	256	726	2,190	1,380	344	353	510	594	131	216
24	110	*185	290	1,210	1,460	1,380	335	317	450	430	124	172
25	112	176	299	1,580	1,780	1,010	326	299	530	299	117	188
26	113	173	274	936	1,740	770	335	274	530	240	108	450
27	*113	185	240	682	1,240	660	326	256	594	240	100	984
28	114	192	224	572	912	594	299	240	1,190	290	96	1,190
29	114	179	216	530	-	550	299	224	1,330	248	95	840
30	112	173	216	490	-	*530	743	224	500	*224	92	500
31	113	-	530	450	-	510	-	216	-	208	87	-
Total	3,466	4,849	7,539	30,984	25,888	24,774	12,974	24,876	11,797	12,207	4,090	8,991
Mean	112	162	243	999	925	799	432	802	393	394	132	300
Cfsm	0.257	0.372	0.557	2.29	2.12	1.83	0.991	1.84	0.901	0.904	0.303	0.688
In.	0.30	0.42	0.64	2.64	2.21	2.11	1.11	2.12	1.01	1.04	0.35	0.77

Calendar year 1952: Max 9,400 Min 79 Mean 511 Cfsm 1.17 In. 15.96
Water year 1952-53: Max 4,120 Min 79 Mean 472 Cfsm 1.08 In. 14.72

Peak discharge (base, 5,000 cfs).--No peak above base.
* Discharge measurement made on this day.

Oconee River near Sparta, Ga.

Location.--Lat 33°19'40", long. 83°08'40", at downstream side of left bank pier of bridge on State Highway 16, 4 miles downstream from Richland Creek, 1¼ miles upstream from Shoulderbone Creek, 11 miles west of Sparta, Hancock County, and at mile 170.9.

Drainage area.--1,830 sq mi, approximately.

Records available.--October 1949 to April 1953 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 316.3 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department). Prior to Feb. 21, 1951, wire-weight gage at same site and datum.

Extremes.--Maximum discharge during period October to April not determined; minimum daily, 350 cfs Oct. 6.
1949-53: Maximum discharge, 26,300 cfs Mar. 4, 1952 (gage height, 26.0 ft); minimum daily, 140 cfs Sept. 12, 1951.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Diurnal fluctuation and some regulation at low flow by Barnett Shoals powerplant.

Discharge, in cubic feet per second, October 1952 to April 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a500	475	656	3,450	1,780	3,450	2,270					
2	a460	493	670	3,690	1,780	3,090	2,220					
3	a440	505	740	3,330	1,670	3,570	2,160					
4	a420	505	906	2,910	1,570	4,460	2,100					
5	a380	505	986	*2,380	1,570	6,020	2,000					
6	a350	505	874	1,940	1,470	5,890	2,000					
7	a400	505	954	1,670	1,720	4,850	2,000					
8	a450	505	986	1,520	3,210	3,570	2,050					
9	a450	505	826	2,550	3,450	3,030	2,000					
10	451	505	810	a5,000	2,790	2,730	2,000					
11	511	535	810	a7,800	2,160	2,850	2,050					
12	614	600	1,280	a10,000	*2,000	3,330	2,100					
13	568	698	1,670	a12,000	2,000	3,210	2,670					
14	*481	670	1,280	a10,000	2,000	2,970	2,790					
15	523	614	1,070	3,940	5,110	2,790	*2,440					
16	554	587	946	2,610	6,020	2,730	-					
17	535	587	922	2,220	5,500	2,490	-					
18	511	587	874	2,100	4,070	2,440	-					
19	487	587	858	2,270	2,850	3,090	-					
20	475	*614	882	2,490	2,380	2,970	-					
21	451	810	962	2,490	3,450	2,610	-					
22	439	1,140	1,120	3,090	6,280	6,280	-					
23	427	970	1,100	3,090	7,710	7,840	-					
24	427	842	1,140	4,980	8,750	5,760	-					
25	439	726	1,140	5,240	9,660	4,720	-					
26	463	684	1,180	4,460	8,490	*3,810	-					
27	475	684	1,090	3,210	5,890	3,210	-					
28	475	705	978	2,490	4,330	2,850	-					
29	475	726	938	2,220	-	2,670	-					
30	463	684	930	2,050	-	2,490	-					
31	463	-	1,830	1,880	-	2,380	-					
Total	14,557	19,058	31,408	119,070	109,660	114,150	-					
Mean	470	635	1,013	3,841	3,916	3,682	-					
Cfsm	0.257	0.347	0.554	2.10	2.14	2.01	-					
In.	0.30	0.39	0.64	2.42	2.23	2.32	-					

Calendar year 1952: Max 24,000 Min 340 Mean 2,139 Cfsm 1.17 In. 15.93
Water year 1952-53: Max - Min - Mean - Cfsm - In. -

Peak discharge (base, 10,000 cfs).--Jan. 13 (time and discharge unknown).
* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for station near Greensboro and Apalachee River near Buckhead.

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 1953 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 Fraleys 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.--38 years (1906-8, 1909-16, 1918-31, 1937-53), 3,476 cfs (adjusted for storage).

Extremes.--Maximum discharge during year, 28,500 cfs May 3 (gage height, 25.5 ft); minimum daily, 95 cfs Aug. 20.

1903-31, 1937-53: 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 (at Fraleys Ferry); minimum daily, 90 cfs for several days in August and September 1925.

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

Remarks.--Records good prior to Mar. 30, fair thereafter. Flow regulated by Sinclair Reservoir 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	678	572	970	594	2,970	7,260	3,800	8,900	1,060	2,580	956	1,970
2	660	455	1,000	415	2,880	6,500	1,890	17,100	588	1,500	156	1,650
3	630	642	1,000	405	2,700	6,400	1,900	18,600	526	1,100	2,670	2,550
4	606	704	1,040	385	2,520	6,500	3,320	20,900	686	555	2,970	2,250
5	570	704	1,150	*355	2,340	6,500	1,950	14,200	1,020	1,080	3,210	220
6	558	704	1,190	*174	2,250	6,500	3,500	12,200	582	1,820	3,510	195
7	540	704	1,230	171	2,340	6,500	2,080	*14,500	198	2,620	1,320	165
8	522	704	1,270	171	3,510	6,400	1,250	11,200	2,760	1,890	621	346
9	630	630	1,270	405	3,600	6,300	2,010	8,540	2,630	1,580	202	130
10	*654	455	1,270	2,490	4,300	6,300	3,100	7,700	2,010	1,400	270	*125
11	690	510	1,270	8,420	4,200	6,300	3,690	7,260	2,580	375	653	153
12	760	704	1,270	11,000	4,100	5,800	1,910	7,150	2,440	192	954	159
13	886	774	1,440	11,600	*3,800	4,600	4,300	6,200	2,790	1,640	1,300	159
14	725	455	1,530	11,000	3,700	5,000	*3,570	3,280	1,890	1,930	*1,570	159
15	704	510	1,530	7,940	6,200	3,240	1,900	3,420	2,340	1,330	144	135
16	760	704	1,530	5,000	9,290	4,500	*310	1,480	2,350	3,510	115	1,150
17	830	781	1,440	3,800	8,900	4,600	*165	854	*2,480	2,200	174	1,220
18	760	642	1,350	3,330	7,940	1,920	294	2,620	3,750	570	526	1,150
19	704	466	1,270	3,240	6,820	893	262	4,300	2,470	1,440	364	282
20	678	*522	1,040	3,240	6,400	2,140	626	3,540	355	4,510	95	147
21	642	654	445	3,330	6,500	3,820	610	3,110	223	5,070	103	1,140
22	618	830	445	3,700	6,500	7,150	541	2,860	1,680	4,000	135	1,800
23	582	1,040	445	4,200	6,600	9,810	592	1,330	3,240	4,000	130	1,850
24	570	1,110	472	6,820	8,540	9,680	551	434	1,470	3,420	128	1,960
25	570	1,110	510	7,590	13,000	7,820	302	3,260	2,700	2,520	764	2,090
26	582	1,110	528	6,710	15,700	*6,600	270	1,370	1,680	1,480	1,190	3,800
27	630	1,040	558	5,400	13,900	6,200	758	806	226	3,030	1,670	3,900
28	630	1,040	570	4,400	9,680	6,100	498	935	171	3,600	905	3,800
29	630	1,040	570	3,700	-	4,200	831	*1,120	1,490	3,040	760	3,700
30	618	1,040	594	3,240	-	2,300	4,750	546	1,190	*2,360	189	3,800
31	564	-	746	3,060	-	3,070	-	186	-	1,440	531	-
Total	20,181	22,356	30,943	126,285	171,180	170,903	51,510	189,901	49,575	67,782	28,285	42,155
Mean	651	745	998	4,074	6,114	5,513	1,717	6,126	1,652	2,187	912	1,405
(†)	0	+252	+618	+1,090	-90	-244	+2,570	+2,863	+118	-114	-293	+269

Adjusted for change in reservoir contents

Mean	651	997	1,616	5,164	6,024	5,269	4,287	8,809	1,770	2,073	619	1,674
Cfsm	0.221	0.338	0.548	1.75	2.04	1.79	1.45	2.99	0.600	0.703	0.210	0.567
In.	0.25	0.38	0.63	2.02	2.12	2.06	1.62	3.45	0.67	0.81	0.24	0.63

	Observed						Adjusted					
Calendar year 1952:	Max	54,000	Min	445	Mean	3,082	Mean	3,155	Cfsm	1.07	In.	14.55
Water year 1952-53:	Max	20,900	Min	95	Mean	2,660	Mean	3,096	Cfsm	1.05	In.	14.88

* Discharge measurement made on this day.

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

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. Prior to Jan. 20, 1953, at site 80 ft upstream.

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 1953 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.--36 years (1898-1912, 1931-53), 4,992 cfs.

Extremes.--Maximum discharge during year, 33,900 cfs May 8 (gage height, 23.2 ft); minimum, 364 cfs Sept. 17 (gage height, 0.57 ft).
1898-1913, 1931-53: 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) above station.

Revisions.--WSP 822: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 4 to Apr. 24, Aug. 17-21, Sept. 29, 30)

0.5	340	14.0	12,100
1.0	535	18.0	18,800
3.0	1,730	24.0	37,200
9.0	6,420		

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	990	900	1,370	2,150	5,020	15,400	5,580	2,360	1,400	2,080	2,710	760
2	960	840	1,400	2,290	4,940	17,800	5,180	6,510	1,050	2,290	2,010	900
3	930	748	1,500	1,940	4,700	18,600	4,780	9,390	1,500	2,780	1,500	1,870
4	870	670	1,530	1,730	4,460	17,400	3,740	12,600	1,240	2,150	1,210	2,150
5	840	840	1,560	1,600	4,140	15,900	4,140	16,700	1,210	1,660	2,860	2,940
6	815	960	1,630	1,440	3,820	13,900	3,820	23,600	1,440	1,560	3,340	2,080
7	766	960	1,700	1,340	3,900	12,200	4,620	29,800	1,600	2,010	3,660	1,080
8	790	960	1,700	1,210	4,220	11,100	4,940	33,500	1,340	2,570	3,180	840
9	930	990	*1,700	1,300	4,940	10,500	3,980	33,100	1,600	3,020	1,730	680
10	990	1,050	1,730	1,630	5,420	9,860	3,900	31,200	3,180	2,640	1,370	620
11	1,080	1,080	1,730	2,640	5,420	9,740	6,150	27,800	3,180	2,290	900	517
12	1,080	930	1,730	5,820	6,060	9,980	7,770	23,600	3,020	1,870	840	429
13	1,080	990	1,700	7,570	5,500	10,100	*7,470	19,200	3,020	1,140	1,020	403
14	1,140	1,140	1,730	8,510	5,260	9,740	6,600	16,200	2,500	1,050	1,270	383
15	1,180	1,110	1,800	9,280	6,330	9,170	7,470	13,200	1,530	1,800	1,500	372
16	1,050	840	1,870	9,740	8,510	8,290	6,330	9,060	1,340	1,870	1,630	372
17	1,050	870	1,870	10,100	9,620	7,270	4,140	5,820	2,290	2,290	840	368
18	1,110	1,080	1,800	9,980	10,200	7,370	2,500	4,300	2,290	3,340	*610	960
19	1,140	1,140	1,730	7,770	10,900	6,690	2,150	3,260	3,260	2,710	730	1,240
20	1,080	1,110	1,730	*5,740	11,300	4,700	2,010	5,100	3,660	2,940	1,080	1,400
21	1,020	990	1,800	5,340	11,500	4,140	1,800	6,060	2,360	3,900	1,110	870
22	960	1,110	1,560	5,500	11,400	6,150	1,800	5,580	1,210	5,900	840	680
23	960	1,210	1,270	5,660	11,000	8,840	1,730	5,260	1,180	5,980	645	1,210
24	900	1,340	1,270	6,510	10,600	9,740	1,660	4,220	2,500	4,860	530	1,730
25	900	1,470	1,530	7,870	10,800	10,400	1,600	3,020	3,180	3,500	478	2,080
26	870	1,470	1,800	8,730	12,100	11,100	1,530	*2,640	2,430	2,940	440	2,780
27	870	1,470	1,800	9,170	*12,800	11,500	1,340	3,660	3,260	1,470	760	5,260
28	*900	1,470	1,730	9,280	13,600	11,700	1,240	2,290	2,360	1,660	1,440	6,060
29	900	1,440	1,630	8,620	-	11,100	1,440	1,800	1,440	2,860	1,630	5,820
30	900	1,400	1,530	6,780	-	9,860	1,340	1,940	1,340	3,020	1,300	5,660
31	900	-	1,730	5,500	-	6,600	-	1,870	-	2,780	1,110	-
Total	29,951	32,578	51,160	172,740	218,460	326,840	112,750	364,640	62,910	82,930	44,273	52,514
Mean	966	1,086	1,650	5,572	7,802	10,540	3,758	11,760	2,097	2,675	1,428	1,750
Cfsm	0.220	0.247	0.375	1.27	1.77	2.40	0.854	2.67	0.477	0.608	0.325	0.398
In.	0.25	0.28	0.43	1.46	1.84	2.77	0.95	3.08	0.53	0.70	0.37	0.44

Calendar year 1952: Max 46,800 Min 670 Mean 4,512 Cfsm 1.03 In. 13.95
Water year 1952-53: Max 33,500 Min 368 Mean 4,251 Cfsm 0.966 In. 13.10

* 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 above Buckhorn Branch and 5 miles southeast of Dudley, Laurens County.

Drainage area.--62.9 sq mi.

Records available.--November 1951 to September 1953.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year, 2,390 cfs May 7 (gage height, 9.4 ft); minimum, 2.9 cfs Oct. 4, 5 (gage height, 1.07 ft).
1951-53: Maximum discharge, that of May 7, 1953; minimum, 1.8 cfs July 31, 1952 (gage height, 0.93 ft).

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 9 to Dec. 8)

0.9	1.3	3.0	164
1.1	5.3	4.0	322
1.3	11	6.0	740
1.5	19	8.0	1,440
1.7	30	9.0	2,050
2.0	52		

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	4.6	5.6	7.4	70	136	192	59	89	18	17	17	8.2
2	4.2	5.3	9.4	43	104	165	64	163	18	14	15	12
3	3.3	4.9	9.8	44	88	*150	58	1,020	14	12	14	92
4	2.9	4.2	15	37	79	160	52	375	14	12	16	119
5	3.1	4.0	14	33	69	246	46	240	14	31	40	42
6	*3.5	3.8	16	30	68	167	52	1,220	18	56	*21	33
7	4.0	*4.2	14	29	143	134	178	*1,710	25	*23	17	23
8	6.0	4.0	12	30	146	120	111	653	27	17	14	18
9	12	4.2	*12	58	95	107	73	313	28	23	16	16
10	11	7.4	11	95	81	104	301	214	25	28	15	15
11	8.8	18	15	95	78	177	578	165	72	21	12	14
12	7.4	11	14	69	79	185	278	134	32	14	13	13
13	6.3	7.9	12	56	78	136	*386	115	21	12	12	13
14	5.8	6.9	11	51	72	126	185	102	17	11	9.8	12
15	6.1	6.6	10	49	436	134	139	90	16	11	8.8	11
16	7.9	6.3	9.8	47	443	112	124	83	16	22	8.2	12
17	6.1	5.8	9.4	45	174	96	103	76	16	90	8.5	11
18	5.3	5.8	9.4	56	131	99	96	70	14	40	*9.8	11
19	5.3	6.3	9.4	108	114	116	105	71	12	38	18	34
20	5.3	12	11	*77	114	95	86	108	11	100	15	101
21	5.8	14	17	101	152	98	76	108	10	358	12	35
22	5.6	10	16	127	222	200	72	79	10	207	9.4	22
23	6.6	8.5	14	114	147	150	67	61	12	126	8.2	17
24	6.9	7.9	15	322	134	116	62	50	13	81	7.9	17
25	6.9	7.1	38	264	361	99	58	44	14	50	7.6	32
26	5.1	7.1	52	127	785	84	73	*37	15	38	7.6	290
27	5.1	7.6	31	108	523	78	57	31	38	33	7.4	494
28	*4.2	7.1	25	103	270	75	48	26	64	40	7.6	276
29	3.3	6.6	22	94	-	69	43	23	42	31	11	126
30	3.8	6.3	21	83	-	63	55	22	22	25	9.1	100
31	4.6	-	61	85	-	61	-	21	-	20	7.6	-
Total	176.8	216.4	543.6	2,650	5,322	3,914	3,685	7,513	668	1,601	395.5	2,019.2
Mean	5.70	7.21	17.5	85.5	190	126	123	242	22.3	51.6	12.8	67.3
Cfsm	0.091	0.115	0.278	1.36	3.02	2.00	1.96	3.85	0.355	0.820	0.203	1.07
In.	0.10	0.13	0.32	1.57	3.14	2.31	2.19	4.44	0.40	0.95	0.23	1.19

Calendar year 1952: Max 578 Min 2.4 Mean 42.8 Cfsm 0.680 In. 9.25
Water year 1952-53: Max 1,710 Min 2.9 Mean 78.6 Cfsm 1.25 In. 16.97

Peak discharge (base, 550 cfs).--Feb. 16 (2 a.m.) 668 cfs (5.7 ft); Feb. 26 (12 m.) 880 cfs (6.5 ft); Apr. 11 (10 a.m.) 692 cfs (5.8 ft); May 3 (12 m.) 1,350 cfs (7.8 ft); May 7 (1 a.m.) 2,390 cfs (9.4 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 edge of pier of bridge on U. S. Highway 280, a quarter of a mile downstream from Seaboard 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 September 1953.

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

Average discharge.--16 years, 5,227 cfs.

Extremes.--Maximum discharge during year, 35,200 cfs May 10 (gage height, 18.7 ft); minimum, 576 cfs Sept. 19.
1937-53: Maximum discharge, 66,300 cfs Dec. 5, 1948 (gage height, 22.6 ft); minimum, 558 cfs Sept. 13, 1951.

Remarks.--Records good. Flow regulated by Sinclair Reservoir (see p.35 for change in monthly contents).

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second
(Shifting-control method used Apr. 1 to July 31)

1.6	590	12.0	9,400
2.0	770	15.0	16,700
5.0	2,460	18.0	30,700
9.0	5,520	19.0	37,100

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	995	970	1,380	2,080	8,400	15,800	11,100	1,960	2,260	1,600	3,210	1,270
2	1,170	970	1,380	2,400	6,790	16,700	9,230	2,520	1,900	2,080	3,070	1,120
3	1,120	970	1,380	2,590	5,700	17,600	7,150	5,170	1,540	2,400	2,590	970
4	1,070	895	1,440	2,460	5,340	19,200	6,000	7,280	1,600	2,790	2,020	1,720
5	1,020	845	1,490	2,260	5,080	21,600	5,000	8,890	1,600	2,460	1,660	2,140
6	995	870	1,540	2,140	4,830	21,200	4,740	11,300	1,490	*2,020	2,720	2,720
7	970	945	1,600	1,960	4,580	19,600	5,170	16,400	1,600	1,780	3,350	2,520
8	970	995	1,660	1,840	4,580	17,300	5,430	23,500	1,720	2,020	3,720	1,660
9	1,040	1,020	1,720	1,720	4,830	15,500	5,610	30,700	1,660	2,520	3,570	1,240
10	1,120	1,020	1,720	1,780	5,080	14,100	5,520	34,500	1,660	3,070	2,520	1,070
11	1,120	1,070	1,720	2,080	5,430	13,300	6,000	34,500	2,860	3,070	1,840	920
12	1,170	1,120	1,720	2,790	5,610	15,000	6,670	31,900	3,420	2,860	1,410	870
13	1,220	1,120	1,720	4,740	5,900	12,300	7,800	28,900	3,420	2,460	1,270	770
14	1,200	1,020	1,720	5,900	5,900	12,000	8,550	25,500	3,350	1,780	1,350	702
15	1,220	1,120	1,720	6,550	6,000	11,800	9,060	22,000	3,070	1,380	1,440	680
16	1,240	1,170	*1,780	7,150	6,670	11,800	9,230	18,800	2,200	1,780	1,490	635
17	1,220	1,040	1,840	7,800	7,280	11,300	8,890	15,500	1,600	2,080	*1,780	612
18	1,140	945	1,900	8,400	8,100	10,700	7,950	11,800	2,140	2,260	1,350	590
19	1,170	1,040	1,840	9,230	9,060	9,760	5,610	7,950	2,400	3,280	1,100	680
20	1,140	1,170	1,840	9,760	10,300	9,060	4,180	5,080	2,930	3,280	1,100	1,120
21	1,170	1,220	1,840	9,060	11,500	8,250	3,640	5,170	3,500	3,280	1,170	1,380
22	1,120	1,120	1,900	7,540	12,800	7,410	3,210	5,800	2,930	3,870	1,300	1,380
23	1,070	1,120	1,780	6,110	13,300	7,540	3,070	6,000	1,840	5,000	1,220	1,320
24	1,040	1,220	1,490	6,110	13,300	8,250	2,860	5,610	1,440	5,520	1,020	1,300
25	1,020	1,300	1,490	6,550	13,000	9,230	2,660	*5,080	2,140	5,430	895	1,600
26	970	1,380	1,720	7,030	13,800	10,300	2,520	4,100	3,070	4,580	820	2,400
27	*945	1,440	1,960	7,540	14,600	11,100	2,400	3,420	2,720	3,720	770	5,340
28	970	1,440	2,080	8,250	15,200	11,800	2,200	3,940	3,140	2,520	795	7,670
29	945	1,440	2,020	8,890	-	12,300	*2,020	3,210	2,790	2,020	1,200	7,410
30	970	1,410	1,960	9,400	-	12,500	2,020	2,460	1,960	2,930	1,600	7,410
31	970	-	1,960	9,400	-	12,300	-	2,400	-	3,210	1,440	-
Total	33,500	33,405	53,310	171,510	232,960	404,600	165,490	391,340	69,950	89,050	54,790	61,219
Mean	1,081	1,114	1,720	5,533	8,320	13,050	5,516	12,620	2,332	2,873	1,767	2,041
Cfsm	0.212	0.218	0.337	1.08	1.63	2.55	1.08	2.47	0.456	0.562	0.346	0.399
In.	0.24	0.24	0.39	1.24	1.70	2.94	1.20	2.85	0.51	0.65	0.40	0.45

Calendar year 1952: Max 43,500 Min 845 Mean 4,976 Cfsm 0.974 In. 13.24
Water year 1952-53: Max 34,500 Min 590 Mean 4,825 Cfsm 0.944 In. 12.81

* Discharge measurement made on this day.

Ohoopee 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, Tattnall 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 1953.

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.--20 years (1903-7, 1937-53), 944 cfs.

Extremes.--Maximum discharge during year, 7,140 cfs Mar. 1 (gage height, 15.3 ft); minimum daily, 45 cfs Sept. 21.

1903-7, 1937-53: Maximum discharge observed, 15,100 cfs Mar. 3, 1939 (gage height, 19.8 ft); minimum daily, 28 cfs June 4, 1941.

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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 11 to July 23)

1.1	41	7.0	1,370
1.5	86	10.0	2,560
2.0	155	13.0	4,760
4.0	542	16.0	8,010

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	177	84	127	542	1,560	7,020	1,960	612	234	207	235	82
2	158	82	126	636	1,500	6,240	1,770	564	199	161	184	82
3	140	81	130	684	1,500	5,320	1,600	564	174	140	154	82
4	125	80	143	708	1,460	4,670	1,430	1,090	155	176	143	89
5	112	79	154	684	1,400	4,400	1,300	1,960	142	199	177	133
6	102	78	163	612	1,330	4,580	1,240	3,540	146	216	140	137
7	95	78	176	576	1,400	4,760	1,460	4,160	139	185	163	115
8	130	78	182	542	1,740	4,670	1,530	4,240	132	181	284	98
9	322	76	176	520	1,920	4,400	1,460	4,940	129	*182	304	94
10	588	78	174	531	1,850	3,840	1,560	5,320	129	169	218	86
11	636	96	190	564	1,700	3,610	1,850	4,850	163	190	143	76
12	588	129	*239	612	1,670	3,680	2,080	4,760	150	218	115	70
13	392	157	239	636	1,630	3,920	2,450	4,240	136	150	99	64
14	304	171	232	660	1,500	4,000	2,680	3,330	216	118	89	60
15	266	158	206	636	1,460	4,160	*2,860	2,500	248	102	92	56
16	248	142	184	636	1,600	3,920	3,050	1,920	239	92	99	54
17	248	133	171	612	1,810	*3,400	2,980	1,530	248	84	90	53
18	239	126	163	612	1,920	3,050	2,560	1,240	248	79	89	50
19	214	119	155	660	2,040	2,920	2,120	1,060	204	82	98	49
20	190	171	160	760	2,120	2,860	1,880	920	171	120	*129	48
21	168	230	235	838	2,300	2,740	1,700	838	155	372	218	45
22	150	266	313	892	2,560	3,190	1,530	734	142	812	190	46
23	136	248	304	948	3,120	3,760	1,370	660	133	812	166	48
24	125	212	275	1,120	3,680	3,610	1,210	588	176	531	201	69
25	116	194	266	1,270	4,000	3,610	1,060	542	248	362	187	99
26	109	177	332	*1,400	4,080	3,610	948	498	235	275	149	573
27	104	160	352	1,430	4,760	3,470	864	454	204	230	125	3,360
28	99	149	509	1,500	6,350	3,330	786	412	206	234	112	5,120
29	92	140	509	1,500	-	2,980	708	*372	239	342	100	5,620
30	*89	133	487	1,530	-	2,560	660	322	239	392	96	6,240
31	86	-	487	1,560	-	2,200	-	275	-	313	87	-
Total	6,548	4,105	7,559	26,411	63,960	120,480	50,656	59,035	5,579	7,726	4,676	22,798
Mean	211	137	244	852	2,284	3,886	1,689	1,904	186	249	151	760
Cfsm	0.190	0.123	0.220	0.768	2.06	3.50	1.52	1.72	0.168	0.224	0.136	0.685
In.	0.22	0.14	0.25	0.89	2.14	4.04	1.70	1.98	0.19	0.26	0.16	0.76

Calendar year 1952: Max 5,320 Min 44 Mean 780 Cfsm 0.703 In. 9.56
Water year 1952-53: Max 7,020 Min 45 Mean 1,040 Cfsm 0.937 In. 12.73

* Discharge measurement made on this day.

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 1953. 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.--22 years, 13,080 cfs.

Extremes.--Maximum discharge during year, 66,700 cfs May 16 (gage height, 9.0 ft); minimum, 2,760 cfs Nov. 7-10.
1931-53: Maximum discharge, 178,000 cfs Apr. 18, 1936 (gage height, 12.03 ft); minimum, 1,760 cfs Oct. 8, 9, 14, 15, 1931.
Maximum stage known, 14.6 ft Jan. 23, 1925 (discharge, 300,000 cfs, from rating curve extended above 180,000 cfs).

Remarks.--Records good below 10,000 cfs and fair above.

Revisions.--WSP 822: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Feb. 10)

-1.6	2,760	6.0	20,500
0.0	4,320	7.0	31,400
3.0	8,070	8.0	46,000
4.0	9,800	9.0	66,700
5.0	13,100		

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	4,870	3,030	3,700	6,280	21,400	34,000	24,500	12,100	9,800	6,650	10,200	4,000
2	4,540	3,030	3,700	6,520	22,400	35,300	24,500	11,400	9,080	6,400	10,000	4,000
3	4,320	2,940	3,700	6,650	23,400	38,100	24,500	10,200	8,070	5,920	10,000	3,900
4	4,000	2,940	3,700	6,780	23,400	38,100	24,500	9,620	7,320	6,040	10,000	3,800
5	3,800	2,940	3,700	6,910	22,400	38,100	23,400	9,260	6,650	6,280	9,620	3,800
6	3,600	2,850	3,700	7,040	21,400	38,100	23,400	9,800	6,040	6,520	8,900	4,430
7	3,500	2,850	3,800	7,180	21,400	39,600	22,400	11,000	5,800	6,780	8,070	4,980
8	3,500	2,760	3,800	7,180	20,500	41,100	20,500	12,600	5,560	6,780	7,610	5,560
9	3,500	2,760	4,000	7,180	20,500	44,300	19,600	15,000	5,440	6,650	7,610	5,800
10	3,900	2,850	4,100	7,180	20,500	46,000	18,800	18,000	5,440	*6,650	7,610	5,440
11	4,320	2,940	4,210	7,180	19,600	47,800	18,800	22,400	5,440	7,180	7,460	4,870
12	4,540	3,030	4,320	7,320	19,600	46,000	19,600	30,200	5,320	7,610	6,910	4,540
13	4,430	3,120	4,320	7,610	18,800	44,300	21,400	41,100	5,560	7,760	6,040	4,320
14	4,100	3,210	4,320	8,070	18,000	42,700	22,400	53,700	6,160	7,610	5,320	4,100
15	3,900	3,210	*4,320	8,900	18,000	41,100	24,500	62,200	6,520	7,460	4,870	3,700
16	3,800	3,210	4,320	9,620	17,200	38,100	25,600	66,700	6,780	7,180	4,540	3,500
17	3,800	3,210	4,320	10,200	17,200	36,700	26,700	64,400	7,040	6,780	4,430	3,300
18	3,800	3,300	4,430	11,000	17,200	35,300	26,700	60,000	6,780	6,520	4,430	3,120
19	3,800	3,300	4,540	11,700	18,000	34,000	27,800	55,800	6,160	6,520	4,540	3,120
20	3,600	3,300	4,650	12,600	18,800	31,400	27,800	49,700	5,680	6,400	4,760	2,940
21	3,500	3,400	4,760	13,700	18,800	30,200	26,700	42,700	5,560	6,910	4,980	2,850
22	3,500	3,600	4,870	15,000	19,600	29,000	25,600	38,100	5,680	7,910	4,980	2,940
23	3,600	3,700	5,090	16,400	21,400	29,000	24,500	32,700	6,040	8,730	4,870	3,210
24	3,500	3,700	5,200	18,000	22,400	27,800	22,400	27,800	6,280	9,260	4,760	3,500
25	3,400	3,600	5,320	18,800	25,600	27,800	20,500	23,400	6,040	9,620	4,650	3,800
26	3,300	3,500	5,090	19,600	29,000	26,700	18,800	20,500	5,560	10,000	*4,540	4,980
27	3,210	3,600	4,980	19,800	31,400	26,700	17,200	18,000	5,560	10,400	4,210	9,260
28	3,120	3,700	5,090	20,500	32,700	25,600	16,400	16,400	6,040	10,700	4,000	14,300
29	3,120	3,700	5,320	20,500	-	25,600	15,000	13,700	6,400	11,000	3,800	21,400
30	3,120	3,700	5,680	20,500	-	25,600	13,700	12,100	6,520	10,700	3,700	27,800
31	*3,120	-	6,040	21,400	-	24,500	-	10,700	-	10,400	3,800	-
Total	116,110	96,980	139,090	367,100	600,600	‡1,088.6	668,200	881,280	190,320	241,320	191,210	177,260
Mean	3,745	3,233	4,487	11,840	21,450	35,120	22,270	28,430	6,344	7,785	6,168	5,909
Cfsm	0.275	0.238	0.330	0.871	1.58	2.58	1.64	2.09	0.466	0.572	0.454	0.434
In.	0.32	0.27	0.38	1.00	1.64	2.97	1.83	2.41	0.52	0.66	0.52	0.48

Calendar year 1952: Max 71,400 Min 2,760 Mean 12,470 Cfsm 0.917 In. 12.51
Water year 1952-53: Max 66,700 Min 2,760 Mean 13,040 Cfsm 0.959 In. 13.00

* Discharge measurement made on this day.
‡ Expressed in thousands.

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. Prior to Nov. 22, 1952, at site 300 ft downstream.

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

Records available.--March 1937 to September 1953.

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.--16 years, 931 cfs.

Extremes.--Maximum discharge during year, 12,700 cfs Sept. 30 (gage height, 17.8 ft); minimum observed, 25 cfs Nov. 6.
1937-53: Maximum discharge, 39,000 cfs Apr. 4, 1948 (gage height, 22.4 ft, from floodmark); minimum observed, 12 cfs Nov. 15, 16, 1942, Dec. 6-14, 1943.
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. Atlantic Coast Line Railroad diverts 4 to 5 cfs from pool at gage for use in shops.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Mar. 6 to June 15)

2.6	23	10.0	1,540
3.0	49	12.0	2,420
3.5	92	14.0	4,060
4.0	144	16.0	7,300
5.0	278	18.0	13,400
7.0	660		

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	107	32	51	106	343	2,000	592	404	63	75	806	1,200
2	88	30	46	110	377	2,080	488	343	*63	70	528	1,080
3	78	*30	44	122	910	2,130	404	302	53	79	368	938
4	65	31	43	128	994	2,080	343	270	49	94	278	858
5	61	29	44	123	966	1,900	302	234	48	86	234	1,050
6	57	27	46	111	884	1,660	294	220	45	150	220	1,500
7	44	29	46	100	966	1,470	478	220	41	115	368	2,370
8	*92	30	46	95	1,360	1,260	780	220	75	82	478	2,800
9	413	28	45	110	1,620	1,170	1,050	248	69	91	1,140	2,870
10	732	29	47	111	1,660	*910	1,300	278	69	137	1,900	2,600
11	684	35	48	117	1,620	806	1,590	294	114	122	2,660	2,270
12	592	40	46	130	1,540	806	1,820	286	124	109	2,800	1,950
13	450	41	44	143	1,470	910	2,420	248	144	*122	2,420	1,620
14	234	42	44	*162	1,400	1,050	2,800	220	162	122	1,820	1,200
15	206	43	45	168	1,360	1,200	3,180	206	186	114	1,140	910
16	180	45	46	168	1,470	1,330	3,740	186	174	119	832	548
17	156	43	*48	143	1,500	1,440	4,180	162	138	200	780	422
18	144	42	46	132	1,440	1,500	4,300	131	123	220	614	360
19	133	42	45	162	1,260	1,500	4,060	112	122	241	548	310
20	117	70	47	234	1,170	1,500	3,640	102	134	326	614	278
21	92	83	58	294	1,140	1,500	3,180	90	174	478	858	241
22	83	74	63	286	1,110	1,500	*2,800	83	168	528	1,140	234
23	70	69	78	286	1,140	1,470	2,420	77	125	440	1,440	248
24	65	67	92	334	1,230	1,440	2,180	83	102	488	1,700	256
25	61	70	98	334	1,360	1,360	1,950	83	99	592	*1,780	318
26	61	74	96	360	1,500	1,300	1,620	78	94	708	1,740	934
27	57	67	93	*377	1,660	1,170	1,170	74	95	938	1,580	3,340
28	49	63	88	386	1,860	1,050	806	71	89	1,170	1,440	4,680
29	44	59	83	386	-	994	592	84	83	1,300	1,330	7,300
30	39	55	81	386	-	884	478	83	80	1,300	1,300	11,300
31	35	-	95	368	-	756	-	71	-	1,170	1,260	-
Total	5,289	1,419	1,842	6,472	35,310	42,126	54,867	5,563	3,105	11,786	36,116	55,985
Mean	171	47.3	59.4	209	1,261	1,359	1,829	179	104	380	1,165	1,866
Cfsm	0.132	0.036	0.046	0.161	0.970	1.05	1.41	0.138	0.080	0.292	0.896	1.44
In.	0.15	0.04	0.05	0.19	1.01	1.21	1.57	0.16	0.09	0.34	1.03	1.61

Calendar year 1952: Max 2,870 Min 17 Mean 464 Cfsm 0.357 In. 4.85
Water year 1952-53: Max 11,300 Min 27 Mean 712 Cfsm 0.548 In. 7.45

* Discharge measurement made on this day.

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 Satilla River. Prior to Nov. 8, 1952, at site 1,500 ft upstream.

Drainage area.--646 sq mi.

Records available.--January 1951 to September 1953.

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.--1951: Maximum discharge during period January to September, 5,100 cfs Apr. 3 (gage height, 10.5 ft); minimum, 0.7 cfs June 12, 25.
1951-52: Maximum discharge during water year, 1,860 cfs June 1 (gage height, 8.8 ft); minimum, 0.4 cfs Sept. 11-15.
1952-53: Maximum discharge during water year, 17,200 cfs Sept. 29 (gage height, 13.5 ft); minimum, 0.4 cfs June 23, 24.

Remarks.--Records good except those prior to Nov. 8, 1952, which are fair, and those for periods of no gage-height record, which are poor.

Rating tables, Jan. 27, 1951, to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 13 to Mar. 8, May 20 to June 26, July 26 to Aug. 31, and Oct. 30 to Dec. 31, 1951; Jan. 1 to Apr. 10, May 16 to June 3, 1952)

Jan. 27, 1951, to Nov. 7, 1952

0.8	0.4	3.0	130
.9	1.0	5.0	368
1.0	2.0	7.0	760
1.2	5.2	8.0	1,100
1.4	10	9.0	2,020
1.6	18	10.4	4,910
2.0	38		

Nov. 8, 1952, to Sept. 30, 1953

-0.2	0.2	4.0	250
-.1	.5	5.0	380
0.0	1.2	6.0	575
.2	3.1	7.0	870
.4	5.8	8.0	1,450
.6	9.6	9.0	2,640
1.0	21	10.0	5,100
1.5	44	11.0	7,690
2.0	76	13.4	16,800

Discharge, in cubic feet per second, January to September 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				-	214	101	2,820	660	1.0	9.5	*416	2.1
2				-	238	93	3,920	502	.9	*11	416	16
3				-	280	84	4,910	333	.9	48	333	89
4				-	298	77	*4,330	226	.9	28	175	39
5				-	305	72	3,490	155	.8	26	130	50
6				-	292	75	2,600	109	1.0	30	135	75
7				-	319	81	2,020	74	.9	22	84	*125
8				-	368	85	1,600	50	.9	11	47	140
9				-	400	90	1,330	37	.8	7.8	31	80
10				-	466	79	1,100	28	.8	5.0	24	39
11				-	502	72	940	*22	.8	3.6	18	22
12				-	502	90	790	19	.7	2.8	15	12
13				-	466	155	640	17	*.9	2.1	12	13
14				-	416	220	502	12	1.1	1.8	11	23
15				-	368	244	384	8.9	.9	1.6	10	37
16				-	333	238	305	5.7	.8	1.5	170	40
17				-	305	238	286	3.6	.9	1.7	92	64
18				-	280	232	274	2.0	.9	1.8	39	130
19				-	250	305	256	1.7	.8	1.6	120	135
20				-	*226	600	268	1.4	.8	2.0	180	114
21				-	208	850	262	1.4	.8	2.6	*125	160
22				-	190	1,020	262	*1.1	1.0	13	54	202
23				-	175	1,100	274	1.0	1.2	232	32	185
24				-	160	1,200	700	1.0	.9	226	16	145
25				-	145	1,260	850	.9	.7	49	11	a110
26				-	135	1,260	850	1.2	.8	11	7.3	a140
27				274	120	1,150	820	1.4	1.9	11	5.4	a120
28				256	111	1,060	910	1.5	15	39	*4.1	a80
29				238	-	940	880	1.4	30	57	3.4	a60
30				220	-	1,260	790	1.2	19	196	3.1	a70
31				214	-	1,720	-	.9	-	400	2.8	-
Total				-	8,072	16,051	39,363	2,280.3	88.8	1,455.4	2,722.1	2,517.1
Mean				-	288	518	1,312	73.6	2.96	46.9	87.8	83.9
Cfsm				-	0.446	0.802	2.03	0.114	0.0046	0.073	0.136	0.130
In.				-	0.46	0.92	2.26	0.13	0.005	0.08	0.16	0.14

Calendar year	: Max	Min	Mean	Cfsm	In.
Water year	: Max	Min	Mean	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 stations on nearby streams.

Little Satilla River near Offerman, Ga.--Continued

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	70	18	113	820	347	1,100	700	90	1,720	3.0	1.2	1.5
2	60	50	108	750	354	1,100	660	80	1,410	2.0	1.1	1.0
3	50	384	102	680	384	1,100	600	60	980	1.5	1.0	.6
4	35	640	113	620	432	*1,150	520	40	680	2.0	.9	*.7
5	25	680	145	560	432	1,260	416	30	600	3.0	.9	.6
6	20	660	170	502	416	1,330	319	20	500	2.5	1.2	.5
7	15	680	185	466	400	1,280	256	15	400	2.0	1.6	.5
8	12	660	196	448	376	1,020	208	14	500	1.5	1.6	.5
9	10	620	226	416	347	850	*180	13	600	1.0	1.3	.5
10	7.0	560	256	368	333	700	150	12	650	.9	1.3	.5
11	4.5	448	280	333	312	730	130	12	600	1.5	1.8	*.4
12	3.5	326	326	305	286	880	110	13	500	2.0	2.8	.4
13	2.5	262	354	268	262	1,020	100	15	400	3.0	2.5	.4
14	2.0	238	347	*232	238	980	150	20	300	2.0	2.0	.4
15	1.5	214	384	220	220	850	200	25	200	1.5	1.5	.4
16	1.2	208	466	196	250	730	150	36	100	2.0	1.0	.5
17	1.0	202	502	185	256	660	100	21	100	3.0	1.5	.6
18	*1.0	185	502	170	368	580	90	13	100	4.0	2.0	.5
19	1.0	180	620	165	368	502	97	*8.6	90	2.0	2.5	.8
20	.9	208	680	155	354	448	87	16	80	.9	2.5	.9
21	1.3	256	730	145	400	400	68	17	70	*2.0	2.0	.9
22	6.1	280	850	140	448	384	51	9.2	65	1.5	1.0	1.4
23	22	256	910	145	502	361	39	5.9	60	1.4	.9	.9
24	30	226	910	175	600	347	32	16	30	1.4	.8	.9
25	37	190	880	196	640	484	42	155	20	1.4	.7	1.0
26	35	165	880	196	700	620	104	432	30	1.5	.6	.9
27	36	140	1,020	202	850	760	196	660	40	1.5	.7	.8
28	40	135	1,100	220	980	820	202	700	30	1.4	.8	.8
29	37	125	1,060	262	1,060	820	155	700	10	6.6	.9	15
30	26	*118	960	305	-	790	108	820	*4.0	1.3	1.0	36
31	22	-	880	333	-	760	-	1,100	-	.9	2.0	-
Total	615.5	9,314	16,275	10,158	12,915	24,796	6,220	5,168.7	10,869.0	62.2	43.6	70.8
Mean	19.9	310	525	328	445	800	207	167	362	2.01	1.41	2.36
Cfsm	0.031	0.480	0.813	0.508	0.689	1.24	0.320	0.259	0.560	0.0031	0.0022	0.0037
In.	0.04	0.54	0.94	0.59	0.74	1.43	0.36	0.30	0.62	0.004	0.003	0.004

Calendar year 1951: Max - Min - Mean - Cfsm - In. -
Water year 1951-52: Max 1,720 Min 0.4 Mean 264 Cfsm 0.409 In. 5.57

* Discharge measurement made on this day.
Note.--No gage-height record Oct. 1-17, Apr. 11-18, May 1-15, June 4 to July 21, Aug. 12 to Sept. 4, and Sept. 8-10; discharge estimated on basis of weather records, recorded range in stage, and records for stations on nearby streams.

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	32	0.5	2.0	78	192	700	430	61	*0.7	2.0	245	*350
2	24	.5	2.5	81	183	760	490	49	.7	1.3	142	245
3	17	.5	2.5	80	410	760	215	38	.7	3.7	96	183
4	11	.5	2.0	82	530	730	160	27	.6	118	104	235
5	7.3	.5	5.0	89	550	700	134	19	.7	395	67	290
6	5.0	.5	6.0	94	530	*675	134	18	.9	380	43	380
7	3.4	.5	5.0	91	600	575	305	15	.9	215	46	970
8	5.7	.5	4.0	83	830	450	470	15	.7	126	75	1,380
9	18	.5	4.0	92	870	350	575	15	.7	81	99	1,120
10	18	*.7	8.0	96	7.0	280	675	10	.8	147	215	700
11	15	1.0	10	100	675	305	790	7.8	2.2	270	270	530
12	11	.8	8.0	96	625	380	870	5.6	1.8	365	290	470
13	7.5	.6	7.0	85	625	410	1,310	4.1	3.1	308	410	335
14	5.4	.8	7.0	74	675	410	1,450	3.1	2.3	96	365	210
15	4.1	.6	*7.6	65	760	410	1,610	2.6	1.8	40	225	126
16	13	.6	8.0	59	790	430	*1,610	2.2	1.5	30	165	89
17	26	.6	8.4	57	760	450	1,450	1.9	1.8	26	275	68
18	27	.6	10	62	675	450	1,380	1.8	1.9	89	250	51
19	24	.6	11	110	575	450	1,240	1.6	1.2	122	174	38
20	21	.9	11	147	490	410	1,180	2.0	.8	206	245	40
21	14	.9	22	138	430	410	960	2.1	.6	642	395	42
22	9.2	.9	29	122	430	410	790	1.6	.5	1,310	600	40
23	5.7	1.1	39	104	450	430	600	1.5	.4	1,120	625	30
24	3.8	1.0	44	205	470	450	410	1.4	1.2	790	550	33
25	2.5	.9	45	305	510	470	280	1.3	2.3	530	490	75
26	1.6	1.1	50	305	550	430	206	1.2	4.2	350	430	1,750
27	1.1	1.9	56	*260	625	410	160	1.0	3.1	430	395	*13,300
28	.9	2.0	54	225	675	395	126	.9	3.7	575	530	16,800
29	.7	2.0	49	220	-	395	98	.9	4.3	625	675	16,800
30	.6	2.0	46	235	-	450	76	.9	3.0	575	760	14,200
31	*.6	-	61	225	-	490	-	.8	-	470	550	-
Total	336.1	25.9	624.0	4,085	16,275	14,825	20,164	313.3	49.1	10,438.0	9,801	70,880
Mean	10.8	0.86	20.1	131	581	478	672	10.1	1.64	337	316	2,363
Cfsm	0.017	0.0013	0.031	0.203	0.899	0.740	1.04	0.016	0.0025	0.522	0.489	3.66
In.	0.02	0.001	0.04	0.23	0.94	0.85	1.16	0.02	0.003	0.60	0.56	4.08

Calendar year 1952: Max 1,720 Min 0.4 Mean 195 Cfsm 0.302 In. 4.11
Water year 1952-53: Max 16,800 Min 0.4 Mean 405 Cfsm 0.627 In. 8.50

* Discharge measurement made on this day.
Note.--No gage-height record Nov. 28 to Dec. 14; discharge estimated on basis of weather records and records for stations on nearby streams.

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 1953.

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.--22 years, 2,077 cfs.

Extremes.--Maximum discharge during year, 32,500 cfs Sept. 30 (gage height, 19.5 ft); minimum observed, 84 cfs Nov. 10, 11, 14.
1931-53: 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 from information by local residents, in September 1928 (discharge, 110,000 cfs).

Remarks.--Records good.

Revisions.--WSP 822: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 21 to Feb. 2)

2.6	84	11.0	3,160
3.0	130	13.0	5,520
4.0	294	15.0	9,760
6.0	800	17.0	17,500
9.0	1,920	19.0	29,000

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	324	118	126	220	830	2,390	2,120	2,450	144	155	3,240	3,510
2	284	112	122	212	860	2,510	2,070	2,020	*141	143	3,160	3,420
3	256	*104	118	229	920	2,570	2,020	1,610	138	141	3,000	3,240
4	229	100	114	256	980	2,710	1,830	1,260	134	147	2,710	2,920
5	204	95	113	265	1,160	2,850	1,570	980	130	166	2,220	2,710
6	185	94	112	274	1,330	3,000	1,330	800	129	304	1,880	2,510
7	172	89	111	284	1,570	3,160	1,330	695	124	558	1,610	2,330
8	185	88	106	294	1,850	3,160	1,330	595	120	650	1,300	2,270
9	185	87	111	304	2,020	*3,160	1,410	520	123	635	1,090	2,510
10	168	85	112	304	2,120	3,000	1,530	470	123	570	1,050	3,080
11	178	85	114	294	2,270	2,850	1,740	432	125	545	1,260	3,700
12	274	88	111	304	2,450	2,640	1,970	420	161	680	1,880	4,240
13	420	86	108	304	2,640	2,450	2,270	409	204	*830	2,640	4,480
14	545	84	107	314	2,780	2,270	2,570	409	284	800	3,330	4,360
15	582	87	107	314	2,850	2,120	2,920	398	324	980	3,900	3,900
16	532	91	*108	314	2,850	2,020	3,240	387	284	830	4,360	3,420
17	458	93	106	314	2,850	2,020	3,700	354	265	620	4,240	3,000
18	387	94	106	304	2,780	2,020	4,240	324	256	495	4,120	2,510
19	344	94	108	314	2,780	2,120	4,760	304	238	445	3,700	2,070
20	304	100	111	314	2,780	2,220	5,360	284	212	445	3,330	1,650
21	265	100	118	365	2,780	2,270	*5,860	265	196	520	3,240	1,300
22	247	96	119	409	2,710	2,330	6,040	247	183	620	3,080	1,050
23	229	100	124	445	2,570	2,390	6,220	220	174	890	2,920	860
24	212	106	133	482	2,450	2,450	6,040	212	178	1,300	2,920	800
25	191	112	150	520	2,390	2,450	5,860	198	177	1,610	*3,000	1,120
26	172	118	168	620	2,330	2,450	5,360	183	174	1,970	3,160	2,480
27	161	130	183	*740	2,330	2,450	4,620	178	178	2,450	3,330	5,200
28	151	130	201	800	2,330	2,390	3,900	169	171	2,710	3,510	7,620
29	141	130	212	830	-	2,330	3,330	159	166	2,780	3,600	16,600
30	130	130	220	830	-	2,270	2,850	151	162	2,920	3,600	28,400
31	122	-	220	830	-	2,220	-	145	-	3,160	3,600	-
Total	8,237	3,026	4,079	12,603	60,540	77,240	99,390	17,248	5,418	31,069	89,980	127,260
Mean	266	101	132	407	2,162	2,492	3,313	556	181	1,002	2,903	4,242
Cfsm	0.092	0.035	0.046	0.141	0.751	0.865	1.15	0.193	0.063	0.348	1.01	1.47
In.	0.11	0.04	0.05	0.16	0.78	1.00	1.28	0.22	0.07	0.40	1.16	1.64

Calendar year 1952: Max 4,900 Min 80 Mean 1,038 Cfsm 0.360 In. 4.91
Water year 1952-53: Max 28,400 Min 84 Mean 1,469 Cfsm 0.510 In. 6.91

* Discharge measurement made on this day.

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, January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1953. Prior to January 1927, published as St. Marys River at Moniac.

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 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.--8 years (1921-23, 1927-29, 1932-33, 1950-53), 169 cfs.

Extremes.--Maximum discharge during year, 1,920 cfs Sept. 27 (gage height, 13.93 ft); no flow June 1-4.
1921-23, 1927-30, 1932-34, 1950-53: 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 good.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

4.0	0	6.0	44
4.1	.1	7.0	92
4.2	.7	8.0	160
4.3	1.6	9.0	279
4.4	2.6	10.0	464
4.5	3.7	11.0	708
4.7	7.0	13.0	1,430
5.0	14	14.0	1,960

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	42	4.3	2.2	2.0	3.3	13	1.9	51	0	0.6	95	411
2	35	4.0	2.2	2.0	3.7	12	1.6	44	0	.4	74	390
3	29	3.7	2.2	1.7	8.4	*11	1.6	39	0	.3	60	339
4	25	3.5	2.0	1.6	9.0	11	1.8	33	0	.3	50	352
5	22	3.3	2.0	1.4	8.4	11	1.6	28	.1	.1	44	499
6	19	3.1	2.2	1.3	7.5	10	2.5	24	.1	.1	91	642
7	18	3.0	2.0	1.2	11	9.2	43	23	.1	*.1	124	561
8	20	2.8	1.0	1.2	23	8.4	*57	27	.3	.1	96	464
9	25	2.7	1.8	6.3	25	7.5	50	26	.3	.3	78	402
10	26	2.6	1.8	11	25	6.7	48	23	.2	.8	63	350
11	25	2.6	1.8	11	25	10	44	19	.1	.5	52	300
12	23	2.9	1.7	11	24	20	69	16	.1	.4	47	252
13	21	2.9	1.4	10	23	19	187	13	.1	.2	45	206
14	19	2.8	1.3	9.7	20	17	260	11	.1	.1	39	167
15	18	2.7	1.2	9.0	22	15	226	8.8	.1	.3	35	143
16	17	2.7	1.2	8.2	23	14	225	7.3	.3	1.8	31	126
17	16	2.7	1.1	7.0	21	13	258	5.8	.6	4.3	32	115
18	15	2.6	1.0	6.7	18	11	224	4.9	.4	4.3	*37	101
19	14	2.6	.9	6.5	18	9.5	275	4.0	.4	6.5	40	93
20	13	3.0	.9	*6.9	17	8.6	390	3.2	.4	16	53	94
21	11	3.8	1.1	6.9	20	7.3	345	2.9	.4	18	74	97
22	*10	3.7	1.2	6.1	20	7.0	286	2.2	.4	31	96	111
23	9.7	3.2	1.2	5.6	20	7.0	*238	1.8	.7	31	108	95
24	8.6	3.0	1.2	6.3	18	6.5	188	1.4	.5	40	120	280
25	7.9	3.2	1.1	5.9	17	5.8	149	.9	2.4	40	124	698
26	7.0	2.9	1.0	5.2	16	4.9	130	*.6	2.2	42	137	939
27	6.7	2.9	1.0	4.8	16	3.8	115	.4	1.7	81	164	1,850
28	6.1	2.8	1.1	4.4	15	3.5	94	.2	1.9	113	423	1,880
29	5.6	2.6	1.0	4.2	-	3.0	74	.1	1.5	164	547	1,710
30	5.0	2.4	.9	3.8	-	2.6	60	.1	1.0	180	511	1,640
31	4.6	-	1.2	3.6	-	2.2	-	.1	-	131	441	-
Total	524.2	91.0	44.8	172.5	477.3	290.5	4,046.0	421.7	16.4	908.5	3,931	15,307
Mean	16.9	3.03	1.45	5.56	17.0	9.37	135	13.6	0.55	29.3	127	510
Cfsm	0.106	0.019	0.0091	0.035	0.106	0.059	0.844	0.085	0.0034	0.183	0.794	3.19
In.	0.12	0.02	0.01	0.04	0.11	0.07	0.94	0.10	0.004	0.21	0.91	3.56

Calendar year 1952: Max 1,260 Min 0 Mean 84.2 Cfsm 0.526 In. 7.16
Water year 1952-53: Max 1,880 Min 0 Mean 71.9 Cfsm 0.449 In. 6.09

* Discharge measurement 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 1953.

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

Extremes.--Maximum discharge during year, 1,930 cfs Aug. 28 (gage height, 9.72 ft); minimum, 1.9 cfs June 23 (gage height, 1.58 ft).
1950-53: 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 good.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 3-12)

Oct. 1 to Aug. 29				Aug. 30 to Sept. 30			
1.6	2.0	5.0	242	2.5	58	7.0	510
1.7	3.3	6.0	350	3.0	92	8.0	736
1.8	5.4	7.0	490	4.0	167	9.0	1,290
2.0	12	8.0	680	5.0	254	9.6	1,800
2.5	46	9.0	1,190	6.0	363		
3.0	81	9.7	1,910				
4.0	156						

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	101	9.6	5.2	8.8	19	28	16	56	2.0	6.6	37	1,240
2	84	8.4	5.2	8.1	23	24	14	47	2.1	5.4	21	1,020
3	69	7.8	5.2	7.8	86	*22	17	40	2.5	4.6	12	820
4	55	7.2	5.4	7.5	95	22	21	33	2.5	4.1	7.5	673
5	44	6.9	5.4	7.2	97	21	17	28	3.0	4.8	5.4	597
6	36	6.6	6.0	7.5	87	19	19	23	3.5	*6.3	15	870
7	51	6.3	6.0	7.5	73	19	202	20	3.9	6.0	25	577
8	89	5.7	*5.7	7.8	84	19	*333	19	4.1	4.6	14	492
9	110	5.4	5.4	42	94	17	360	16	4.8	4.4	16	434
10	128	5.2	5.2	68	92	17	412	14	3.9	5.7	15	387
11	132	5.2	5.4	46	86	26	432	11	3.0	6.0	12	339
12	120	5.7	5.7	52	77	72	457	8.4	2.9	5.4	28	284
13	103	6.3	5.4	52	66	69	*784	6.9	2.6	4.4	57	229
14	86	6.0	5.2	47	57	70	686	5.4	2.9	3.5	75	178
15	72	5.7	5.2	42	62	70	680	4.6	6.0	2.9	83	136
16	61	5.2	5.2	38	78	67	662	3.7	4.8	3.5	143	104
17	52	5.2	5.0	34	73	60	*623	3.3	3.9	5.4	*158	80
18	46	5.2	5.2	32	68	53	587	3.2	3.7	5.0	150	63
19	40	5.0	5.2	30	61	47	535	3.0	4.1	6.3	161	94
20	36	6.3	5.4	*29	54	44	518	2.9	3.5	10	222	249
21	35	8.8	6.6	28	49	40	458	2.8	2.9	6.6	340	236
22	36	7.5	6.9	27	47	41	388	2.8	2.5	4.6	808	175
23	33	6.9	6.6	26	42	45	326	2.6	2.6	3.5	808	138
24	31	6.6	6.3	33	38	44	267	2.4	96	3.2	788	173
25	*26	6.0	6.3	34	36	41	213	*2.4	31	2.9	725	359
26	22	6.3	6.3	31	33	37	172	2.3	14	6.9	644	525
27	19	6.3	6.3	29	32	33	138	2.3	15	76	752	1,230
28	16	6.0	6.3	27	30	30	106	2.3	14	96	1,730	*1,100
29	14	5.4	6.0	25	-	26	84	2.1	10	96	1,860	1,080
30	12	5.4	6.3	23	-	22	68	2.1	8.1	81	1,770	1,190
31	11	-	7.2	22	-	18	-	2.1	-	59	1,440	-
Total	1,770	190.1	178.7	879.2	1,739	1,163	9,575	374.6	265.8	540.6	12,971.9	14,872
Mean	57.1	6.34	5.76	28.4	62.1	37.5	319	12.1	8.86	17.4	418	496
Cfsm	0.381	0.042	0.038	0.189	0.414	0.250	2.13	0.081	0.059	0.116	2.79	3.31
In.	0.44	0.05	0.04	0.22	0.43	0.29	2.37	0.09	0.07	0.13	3.22	3.69

Calendar year 1952: Max 236 Min 2.9 Mean 38.5 Cfsm 0.257 In. 3.50
Water year 1952-53: Max 1,860 Min 2.0 Mean 122 Cfsm 0.813 In. 11.04

Peak discharge (base, 1,500 cfs).--Aug. 28 (11 a.m.) 1,930 cfs (9.72 ft).
* 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 1953.

Gage.--Water-stage recorder. Datum of gage is 40.00 ft above mean sea level (levels by Mees & 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.--27 years, 673 cfs.

Extremes.--Maximum discharge during year, 7,870 cfs Sept. 28 (gage height, 16.41 ft); minimum, 24 cfs June 2-4; minimum gage height, 1.50 ft July 6.
1926-53: 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 good.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.4	20	9.0	1,350
1.9	49	11.0	2,140
3.0	149	13.0	3,410
5.0	400	15.0	5,600
7.0	800	16.2	7,490

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	194	51	36	42	58	92	50	236	25	41	376	3,700
2	171	48	36	44	60	87	47	207	24	37	296	3,050
3	151	46	36	43	90	*83	48	182	24	34	235	2,530
4	133	45	35	41	137	78	48	161	24	31	190	2,140
5	120	43	36	40	147	75	48	142	26	29	162	1,980
6	108	41	36	39	140	73	52	126	29	29	192	1,990
7	114	40	36	38	133	71	199	115	35	*32	265	2,420
8	125	39	36	40	147	68	476	109	42	34	286	2,610
9	153	38	*35	68	179	64	545	103	48	32	341	2,240
10	174	38	35	146	175	62	500	97	50	32	310	1,820
11	182	38	35	164	160	65	464	89	47	37	262	1,510
12	176	39	35	136	148	92	505	82	40	38	244	1,280
13	164	40	35	124	137	146	1,000	75	35	35	283	1,060
14	149	41	34	115	128	146	*1,610	68	46	34	272	898
15	134	40	34	106	131	135	1,550	63	52	37	246	755
16	124	40	34	98	160	127	1,480	58	52	43	230	639
17	114	38	34	92	162	118	1,580	50	48	44	258	551
18	105	37	34	86	151	108	1,370	46	43	43	348	491
19	100	37	34	*83	138	97	1,370	43	38	49	454	469
20	106	40	35	80	129	88	1,710	40	34	70	750	611
21	99	43	37	78	121	83	1,580	38	32	75	1,240	798
22	94	46	40	76	117	82	1,300	37	30	78	2,090	770
23	90	44	41	74	116	82	1,010	34	32	80	2,470	666
24	84	42	40	74	109	83	785	32	54	118	2,380	855
25	*78	41	38	78	104	80	611	30	99	145	2,240	2,570
26	73	40	37	78	99	74	505	*29	80	139	2,150	3,730
27	69	40	37	74	95	69	433	28	62	228	2,220	5,250
28	63	38	36	70	94	64	376	28	60	379	4,100	7,490
29	59	37	36	66	-	60	321	26	54	514	5,540	7,490
30	55	37	36	63	-	56	274	26	47	543	5,210	6,660
31	53	-	39	61	-	52	-	26	-	469	4,460	-
Total	3,614	1,227	1,119	2,417	3,565	2,660	21,847	2,426	1,312	3,529	40,100	69,023
Mean	117	40.9	36.1	78.0	127	85.8	728	78.3	43.7	114	1,294	2,301
Cfsm	0.162	0.057	0.050	0.108	0.176	0.119	1.01	0.109	0.061	0.158	1.80	3.20
In.	0.19	0.06	0.06	0.12	0.18	0.14	1.13	0.13	0.07	0.18	2.07	3.57

Calendar year 1952: Max 1,790 Min 30 Mean 223 Cfsm 0.310 In. 4.22
Water year 1952-53: Max 7,490 Min 24 Mean 419 Cfsm 0.582 In. 7.90

Peak discharge (base, 1,600 cfs).--Apr. 20 (1 p.m.) 1,740 cfs (10.05 ft); Aug. 29 (3 p.m.) 5,600 cfs (15.00 ft); Sept. 8 (5 a.m.) 2,670 cfs (11.99 ft); Sept. 28 (7 p.m.) 7,870 cfs (16.41 ft).
* Discharge measurement made on this day.

St. Johns River near Melbourne, Fla.

Location.--Lat 28°05', long. 80°45', in sec. 6, T. 28 S., R. 36 E., on left bank 10 ft upstream from bridge on U. S. Highway 192, 2 miles upstream from Lake Washington, and 9 miles west of Melbourne.

Drainage area.--910 sq mi, approximately.

Records available.--November 1939 to September 1953.

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.--14 years, 750 cfs.

Extremes.--Maximum discharge during year, 6,900 cfs Sept. 21 (gage height, 9.05 ft); minimum not determined; minimum gage height, 3.05 ft July 11.
1939-53: Maximum discharge, 8,070 cfs Oct. 1, 1947; maximum gage height, 9.33 ft Sept. 30, 1948; maximum reverse flow measured, 109 cfs Sept. 18, 1950, wind effect; minimum gage height, that of July 11, 1953.

Remarks.--Records poor.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53, except period of indefinite stage-discharge relation (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 15				May 16 to Sept. 30			
4.8	70	5.5	466	3.7	170	6.0	1,220
4.9	75	6.0	1,080	4.0	195	8.0	4,140
5.0	92	8.0	3,920	4.5	284	8.5	5,160
5.1	130	8.4	4,810	5.0	430	9.1	7,110
				5.5	672		

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	1,590	4,330	1,650	614	413	422	210	210			547	3,010
2	1,660	4,200	1,580	591	404	404	210	194			579	3,160
3	1,700	4,060	1,540	591	466	378	210	178	e60	e54	600	*3,280
4	1,720	3,880	1,490	557	448	352	210	146			611	3,410
5	1,750	3,740	1,430	530	448	361	202	124			642	3,440
6	1,790	3,640	1,390	521	431	318	162	118			666	3,500
7	*1,820	3,510	1,320	512	422	310	227	130			*666	3,630
8	1,860	3,380	1,280	493	580	293	276	170	e58	e58	660	3,870
9	1,890	3,260	1,240	512	568	268	252	154			660	4,090
10	1,890	3,150	1,200	539	557	227	227	124			660	4,420
11	1,890	3,070	1,200	530	539	210	218	106			679	4,730
12	1,860	2,990	1,140	521	539	202	235	94			679	4,950
13	1,850	2,880	1,080	502	*557	218	276	84	e57	e130	666	5,090
14	1,820	2,780	1,090	493	548	202	293	77			648	5,110
15	1,790	2,700	1,080	484	580	178	252	*73			642	5,070
16	1,780	2,600	1,030	493	580	162	260				648	5,210
17	1,810	*2,500	976	484	580	146	252				648	5,340
18	1,900	2,420	950	466	591	118	210	e70	e56		654	*5,570
19	1,990	2,340	922	466	557	106	235			e168	654	6,120
20	2,310	2,310	880	466	539	98	243				660	6,400
21	2,780	2,290	866	493	539	90	210				679	6,740
22	3,120	2,200	838	475	548	95	202			*172	745	6,740
23	3,620	2,130	796	448	557	*118	186	e65	e55	192	973	*6,660
24	4,000	2,060	768	466	530	170	*170			222	1,120	6,510
25	4,220	1,970	740	457	512	178	154			261	1,390	6,320
26	4,380	1,930	712	448	493	154	218			302	1,610	6,150
27	4,710	1,860	698	440	475	138	243			348	1,820	6,150
28	4,760	1,820	670	431	457	138	235	e61	e54	384	2,120	6,010
29	*4,660	1,750	647	440	-	170	210			420	*2,310	5,890
30	4,540	1,700	625	422	-	186	202			460	2,510	5,800
31	4,440	-	614	413	-	202	-		-	501	2,800	-
Total	81,900	83,450	32,442	15,298	14,458	6,612	6,690	3,023	1,700	5,480	30,946	152,370
Mean	2,642	2,782	1,047	493	516	213	223	97.5	56.7	177	998	5,079
Cfsm	2.90	3.06	1.15	0.542	0.567	0.234	0.245	0.107	0.062	0.195	1.10	5.58
In.	3.35	3.41	1.33	0.63	0.59	0.27	0.27	0.12	0.07	0.22	1.26	6.23

Calendar year 1952: Max 4,760 Min - Mean 705 Cfsm 0.775 In. 10.55
Water year 1952-53: Max 6,740 Min - Mean 1,190 Cfsm 1.31 In. 17.75

* Discharge measurement made on this day.
e Stage-discharge relation indefinite; discharge estimated on basis of records for nearby stations.

St. Johns River near Christmas, Fla.

Location.--Lat 28°33', long. 80°57', in sec. 29 or 32, T. 22 S., R. 34 E., on left bank 15 ft downstream from bridge on State Highway 50, 4 miles east of Christmas.

Drainage area.--1,410 sq mi, approximately.

Records available.--December 1933 to September 1953.

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.--19 years (1934-53), 1,309 cfs.

Extremes.--Maximum discharge during year, 10,100 cfs Sept. 29 (gage height, 9.99 ft); minimum, 197 cfs July 6 (gage height, 2.05 ft).
1933-53: Maximum discharge, 10,700 cfs Oct. 12, 13, 1947; maximum gage height, that of Sept. 29, 1953; no flow Mar. 22-27, Apr. 19, June 12, 13, 1939; minimum gage height, 0.48 ft June 19, 1945.

Remarks.--Records good. Records include small inflow from Tootoosahatchee Creek at high stages.

Revisions (water years).--WSP 1082: 1926(M). WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 12, Aug. 27 to Sept. 30		Feb. 13 to July 6		July 7 to Aug. 26	
5.0	808	2.0	194	2.1	200
6.0	1,370	3.0	291	3.0	307
7.0	2,650	4.0	476	4.0	582
9.0	7,450	5.0	767	5.0	990
10.0	10,100	6.0	1,370	6.0	1,600
		7.0	2,650	7.0	2,720
				7.4	3,460

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	2,460	5,480	2,460	1,310	824	683	663	735	250	207	1,300	6,150
2	2,330	5,350	2,400	1,290	820	660	644	694	243	204	1,230	6,090
3	2,160	5,220	2,330	1,230	844	653	627	660	239	201	1,250	5,980
4	2,070	5,100	2,300	1,210	844	633	608	627	235	200	1,280	*6,040
5	2,000	*5,020	2,260	1,200	840	616	590	595	240	199	1,440	6,170
6	1,940	4,880	2,160	1,170	832	608	570	570	242	198	*1,510	6,120
7	1,920	4,780	2,140	1,140	820	595	588	565	245	203	1,540	6,170
8	*1,900	4,710	2,100	1,120	898	582	598	565	242	202	1,660	6,830
9	1,890	4,560	2,050	1,160	961	565	588	545	235	203	1,830	7,580
10	1,880	4,450	2,010	1,170	970	550	560	523	229	201	1,950	8,190
11	1,840	4,330	1,920	1,150	980	535	545	498	226	226	1,980	8,380
12	1,810	4,220	1,900	1,140	*980	528	578	476	227	260	1,830	8,270
13	1,810	4,130	1,870	1,110	962	531	1,280	455	222	239	1,700	8,140
14	1,800	3,990	1,840	*1,090	956	531	2,360	*438	217	221	1,580	7,900
15	2,020	3,850	1,790	1,060	917	523	2,600	421	214	219	1,510	7,660
16	2,590	3,740	1,780	1,040	923	519	2,370	405	213	235	1,510	7,610
17	2,780	3,640	1,740	1,040	906	510	2,140	390	219	225	1,520	*7,710
18	2,830	*3,510	1,700	1,020	872	500	1,850	378	213	214	1,580	8,080
19	3,070	3,390	1,660	1,000	867	485	1,660	364	208	207	1,620	8,690
20	3,920	3,330	1,640	980	856	476	1,540	351	204	206	1,700	9,010
21	4,750	3,260	1,590	985	833	476	1,420	341	201	212	1,860	9,180
22	5,280	3,240	1,580	995	828	512	1,290	331	201	206	2,180	9,260
23	5,480	3,140	1,550	990	822	603	1,200	322	*202	229	2,470	9,260
24	5,620	3,030	1,510	961	806	666	1,120	312	204	278	2,860	*9,340
25	5,580	2,970	1,480	951	778	691	1,050	302	205	300	3,200	9,340
26	5,550	2,850	1,450	941	749	*717	1,000	292	207	633	3,460	9,340
27	5,720	2,780	1,420	917	721	726	962	284	213	847	3,670	9,520
28	5,720	2,650	1,380	893	698	717	912	277	212	1,100	4,540	9,840
29	5,650	2,600	1,350	866	-	710	861	266	210	1,300	5,220	10,000
30	5,700	2,510	1,330	857	-	702	789	260	210	1,340	5,420	10,000
31	5,600	-	1,310	836	-	683	-	255	-	1,330	5,900	-
Total	105,670	116,710	56,000	32,822	24,107	18,486	33,563	13,497	6,628	12,045	72,300	241,850
Mean	3,409	3,890	1,806	1,059	861	596	1,119	435	221	389	2,332	8,062
Cfsm	2.42	2.76	1.28	0.751	0.611	0.423	0.794	0.309	0.157	0.276	1.65	5.72
In.	2.79	3.08	1.48	0.87	0.64	0.49	0.89	0.36	0.17	0.32	1.91	6.38

Calendar year 1952: Max 5,720 Min 106 Mean 1,172 Cfsm 0.831 In. 11.32
Water year 1952-53: Max 10,000 Min 198 Mean 2,010 Cfsm 1.43 In. 19.38

* Discharge measurement made on this day.

Econlockhatchee River near Chuluota, Fla.

Location.--Lat 28°41', long. 81°07', on line between secs. 9 and 10, T. 21 S., R. 32 E., on right bank 10 ft downstream from highway bridge, 3 miles northeast of Chuluota and 6 miles upstream from mouth.
Drainage area.--260 sq mi, approximately.
Records available.--November 1935 to September 1953.
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.--17 years (1936-53), 265 cfs.
Extremes.--Maximum discharge during year, 4,080 cfs Sept. 6 (gage height, 13.72 ft); minimum, 31 cfs June 2-4 (gage height, 0.92 ft).
1935-53: 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 except those for periods of no gage-height record, which are poor. Records include some flow diverted from Lake Mary Jane in Lake Okeechobee and the Everglades basin through Econlockhatchee Headwaters Canal.
Revisions (water years).--WSP 892: 1939. WSP 1234: Drainage area.

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	1,030	813	99	49	59	73	149	194	32	43	650	*2,250
2	905	675	91	51	62	68	120	164	32	39	604	2,350
3	764	573	86	52	99	64	100	140	31	37	620	2,180
4	608	*496	82	51	145	61	87	118	32	36	630	*2,140
5	465	426	78	51	161	58	76	100	32	35	*598	3,430
6	366	364	77	50	162	55	68	85	34	35	600	3,980
7	376	319	70	49	153	54	63	81	34	35	622	3,330
8	337	279	68	49	180	52		96	34	33	690	2,730
9	*337	245	65	52	195	50	a94	114	34	35	660	2,630
10	312	217	62	67	192	48		106	34	35	608	2,640
11	301	192	61	a73	194	46		88	35	35	616	2,260
12	294	178	60	a77	*194	45		76	35	34	670	1,850
13	273	164	57	a78	181	44	a420	65	35	34	646	1,560
14	246	148	56	*79	164	44		*58	37	33	572	1,310
15	241	140	60	76	152	43		52	41	34	514	1,130
16	245	133	63	72	147	42		48	42	39	614	*1,010
17	276	125	64	70	140	41		46	46	38	890	979
18	321	112	62	66	131	41	a860	44	54	37	962	1,120
19	368	*105	61	64	124	40		42	53	37	1,000	1,450
20	790	101	60	61	115	38		40	49	37	1,140	2,070
21	1,340	114	59	59	108	43		39	47	37	1,170	2,320
22	2,140	139	58	57	102	121	a550	38	45	35	1,200	1,960
23	2,590	148	56	55	95	348		37	42	38	1,450	1,590
24	2,410	148	54	56	90	616		36	*49	64	1,720	1,450
25	2,030	139	53	58	87	578	409	35	61	119	2,090	1,250
26	1,670	133	52	60	85	*526	343	34	59	211	2,190	1,100
27	1,370	123	51	59	83	460	305	34	73	276	1,800	1,080
28	1,170	119	50	60	78	373	279	33	62	532	1,710	1,140
29	1,110	109	50	61	-	300	258	33	53	975	2,050	1,420
30	1,090	103	49	61	-	236	227	33	47	958	2,200	1,640
31	968	-	49	60	-	185	-	32	-	780	2,220	-
Total	26,743	7,080	1,963	1,883	3,678	4,793	11,366	2,141	1,294	4,746	33,706	57,249
Mean	863	236	63.3	60.7	131	155	379	69.1	43.1	153	1,087	1,908
Cfsm	3.32	0.908	0.243	0.233	0.504	0.596	1.46	0.266	0.166	0.588	4.18	7.34
In.	3.83	1.01	0.28	0.27	0.53	0.69	1.63	0.31	0.19	0.68	4.82	8.19

Calendar year 1952: Max 2,590 Min 30 Mean 211 Cfsm 0.812 In. 11.02
Water year 1952-53: Max 3,980 Min 31 Mean 429 Cfsm 1.65 In. 22.43

Peak discharge (base, 1,200 cfs).--Oct. 23 (3 p.m.) 2,630 cfs (12.00 ft); Sept. 6 (4 a.m.) 4,080 cfs (13.72 ft); Sept. 21 (4 p.m.) 2,420 cfs (11.72 ft).
* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for nearby stations.

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

Location.--Lat 28°43', long. 81°02', in sec. 33, 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 15½ miles southeast of Sanford.
Drainage area.--1,910 sq mi, approximately.
Records available.--July 1951 to September 1953 (discharge measurements only).
Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark).
Extremes.--1951-53: Maximum discharge measured, 10,500 cfs Sept. 3, 1953; minimum measured, 256 cfs June 24, 1953.

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

Oct. 9	2,790	May 13	827
Nov. 5	7,670	June 24	256
19	5,110	Aug. 5	1,830
Jan. 15	1,440	Sept. 3	10,500
Feb. 11	1,190	17	9,950
Mar. 27	2,190		

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 1953 (discharge measurements only).
Gage.--Water-stage recorder. Datum of gage is 0.09 ft below mean sea level, datum of 1929 (corrected).
Extremes.--1941-53: Maximum discharge measured, 13,000 cfs Sept. 25, 1945; maximum reverse flow measured, 915 cfs June 7, 1944 (affected by tide).

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

Oct. 8	3,040	May 11	2,400
Nov. 3	8,200	June 25	880
20	5,500	Aug. 3	1,880
Jan. 17	1,900	Sept. 4	9,500
Feb. 9	1,490	14	11,450
Apr. 3	3,160		

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 1953.
Gage.--Staff gage read once daily. Prior to Nov. 6, 1935, reference point at same site.
Average discharge.--18 years (1935-53), 263 cfs.
Extremes.--Maximum daily discharge during year, 1,100 cfs Aug. 29; minimum, 196 cfs Oct. 4, 5; minimum gage height, 2.96 ft Nov. 8-19, Dec. 2-9, 11-13, 1935-53: Maximum discharge observed, 2,060 cfs Sept. 17, 1945 (gage height, 5.60 ft), from rating curve extended above 700 cfs; minimum, 105 cfs June 5-13, 1939; minimum gage height, 2.51 ft June 4-6, 1941.
Remarks.--Records fair except those for periods of no gage-height record, which are poor.

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	208	257	230	223	242	247	252	208	217	217	555	851
2	204	257	223	223	242	247	242	208	217	226	495	738
3	200	247	223	223	262	242	242	208	217	221	*449	*732
4	196	*247	223	218	272	242	*242	204	217	221	376	*851
5	196	247	223	218	272	242	242	204	221	226	334	726
6	219	242	220	218	a270	242	242	200	221	226	a334	664
7	*555	242	220	218	a270	237	297	226	258	221	a334	628
8	652	237	218	223	270	237	297	221	258	221	a340	533
9	670	237	218	257	*272	237	286	221	252	231	371	495
10	585	237	220	257	272	237	272	217	246	252	343	462
11	511	237	216	252	267	237	262	*215	246	313	287	444
12	460	237	213	252	267	237	275	213	246	306	217	432
13	416	237	213	247	262	242	356	213	246	298	a235	406
14	402	237	225	247	267	242	377	213	252	291	a265	*383
15	426	237	223	242	272	247	367	213	258	283	a300	388
16	574	237	223	242	272	257	380	213	270	306	330	401
17	525	237	223	*237	267	257	361	213	270	306	322	438
18	479	237	223	237	267	252	317	213	264	313	334	462
19	448	237	223	237	262	252	287	213	258	298	380	579
20	479	*240	218	242	262	257	264	213	258	283	390	579
21	579	a242	223	237	262	302	246	213	258	276	395	551
22	557	a245	218	237	262	367	236	217	264	270	356	495
23	497	249	218	237	262	373	221	217	270	276	361	462
24	471	242	218	252	262	402	217	217	264	270	376	438
25	405	242	a218	252	257	373	210	217	*264	264	395	406
26	352	240	a218	247	257	341	224	217	258	298	610	427
27	336	235	a218	247	252	322	224	217	252	330	a900	462
28	315	233	218	247	252	311	219	217	246	438	a1,050	432
29	290	233	218	247	-	294	213	217	236	683	a1,100	411
30	271	230	218	242	-	289	213	217	221	689	1,010	427
31	261	-	223	242	-	267	-	217	-	652	965	-
Total	12,739	7,214	6,826	7,400	7,375	8,531	8,083	6,632	7,425	9,705	14,509	15,703
Mean	411	240	220	239	263	275	269	214	248	313	468	523
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952 : Max 670 Min 196 Mean 243 Cfsm - In. -
Water year 1952-53: Max 1,100 Min 196 Mean 307 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 1953 (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.--1932-53: Maximum discharge measured, 199 cfs Apr. 29, 1952; minimum measured, 62.7 cfs Nov. 6, 1935, but may be inaccurate owing to adverse measuring conditions and abnormal backwater from St. Jonns River.

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

Oct. 8..... 146	May 11..... 163
Nov. 21..... 166	June 25..... 177
Jan. 16..... 162	Aug. 3..... 160
Feb. 10..... 172	

St. Johns River near De Land, Fla.

Location.--Lat 29°01', long. 81°23', T. 17 S., R. 29 E., on left bank 1,000 ft downstream from 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 1953.
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.
Average discharge.--19 years, 3,084 cfs.
Extremes.--Maximum daily discharge during year, 13,700 cfs Sept. 30; minimum daily, 658 cfs July 10.
1934-53: Maximum daily discharge, 14,400 cfs Sept. 30, 1945; maximum reverse flow measured, 697 cfs June 6, 1944.
Remarks.--Records fair except those below 1,500 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a4,700	7,520	5,800	a3,200	1,650	1,470	3,880	4,890	700	1,100	2,110	6,990
2	a4,600	7,850	5,730	a3,200	1,660	1,360	*4,020	4,680	714	1,120	2,320	*7,550
3	a4,600	*7,980	5,720	a3,100	1,730	1,340	3,720	4,440	1,080	970	2,500	8,170
4	a4,500	8,100	5,380	a3,000	1,790	1,250	3,560	4,300	1,060	970	*2,530	a8,500
5	a4,500	8,020	5,390	a3,000	1,990	1,230	3,440	4,050	973	899	2,470	a9,200
6	a4,400	8,200	5,110	a2,900	2,120	1,260	3,420	3,890	1,080	894	2,600	a9,700
7	a4,400	8,250	5,030	a2,800	2,350	1,190	3,320	3,580	1,130	866	2,740	a10,000
8	a4,500	8,360	5,100	a2,800	2,200	1,140	3,220	3,390	1,310	820	2,780	a10,500
9	*4,510	8,450	5,210	a2,700	2,310	1,220	3,180	3,360	1,350	671	2,700	a10,700
10	4,430	8,560	5,250	a2,600	*2,330	1,140	3,100	3,030	1,290	*658	2,780	a11,000
11	4,380	8,550	5,010	a2,600	2,370	1,220	2,970	2,720	1,290	906	2,880	a11,300
12	4,340	8,340	5,000	a2,500	2,390	1,190	2,830	*2,620	1,220	1,100	2,680	a11,500
13	4,230	8,240	5,160	a2,500	2,300	1,180	3,220	2,550	1,120	1,350	2,630	a11,600
14	4,290	8,240	5,020	a2,400	2,340	1,220	2,880	2,380	1,190	1,430	2,720	a11,800
15	4,390	8,060	4,710	a2,400	2,240	1,300	3,200	2,200	1,310	1,340	2,850	*12,100
16	4,490	7,940	4,620	*2,360	2,320	1,240	3,370	2,100	1,160	1,580	3,110	11,900
17	4,480	7,850	4,640	2,360	2,280	1,280	3,410	2,110	1,030	1,510	3,210	11,700
18	4,340	7,800	4,700	2,390	2,150	1,260	3,950	2,000	1,260	1,630	3,390	11,800
19	4,480	7,690	4,600	2,200	2,220	1,340	4,130	1,820	1,140	1,760	*3,790	11,700
20	4,560	7,520	4,580	2,230	2,180	1,280	3,890	1,520	1,230	1,950	3,890	11,900
21	3,000	*7,580	4,440	2,230	2,220	1,250	4,150	1,250	1,240	1,970	a4,000	11,900
22	3,310	7,360	4,120	2,210	2,160	2,030	4,380	1,230	1,170	1,800	a4,000	12,000
23	3,520	7,370	4,020	2,310	1,820	2,590	4,730	1,150	1,490	1,680	a4,100	12,000
24	4,130	7,420	4,000	2,410	1,710	3,170	4,920	991	1,450	1,810	a4,100	*12,100
25	4,690	7,280	3,820	2,390	1,770	3,410	5,300	907	1,380	1,750	a4,000	12,100
26	5,310	7,000	3,700	2,410	1,720	3,450	5,480	742	*1,490	1,860	a4,000	12,400
27	5,870	6,720	3,680	2,410	1,660	3,740	5,230	738	1,300	1,670	4,000	12,700
28	6,350	6,360	a3,600	2,180	1,560	3,800	4,960	750	1,360	1,600	4,690	13,300
29	6,390	6,090	a3,500	1,940	-	3,700	5,070	*721	1,180	1,710	5,520	13,500
30	6,880	5,950	a3,400	1,810	-	3,780	5,170	702	1,100	1,820	5,120	13,700
31	7,200	-	a3,300	1,690	-	3,820	-	681	-	1,910	6,540	-
Total	145,770	230,650	143,340	77,230	57,540	59,850	118,100	71,492	35,797	43,104	107,750	335,310
Mean	4,702	7,688	4,624	2,491	2,055	1,931	3,937	2,306	1,193	1,390	3,476	11,180
Cfsm	1.59	2.60	1.56	0.842	0.694	0.652	1.33	0.779	0.403	0.470	1.17	3.78
In.	1.83	2.90	1.80	0.97	0.72	0.75	1.48	0.90	0.45	0.54	1.35	4.21

Calendar year 1952: Max 8,560 Min 620 Mean 2,795 Cfsm 0.944 In. 12.85
Water year 1952-53: Max 13,700 Min 658 Mean 3,907 Cfsm 1.32 In. 17.90

* Discharge measurement made on this day.
a No gage-height record at base gage and/or at auxiliary gage; discharge estimated on basis of records for other stations in St. Johns River basin.

Palatlakaha 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 northeast of Mascotte.

Drainage area.--160 sq mi, approximately.

Records available.--May 1945 to September 1953.

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.--8 years, 110 cfs.

Extremes.--Maximum discharge during year, 364 cfs Sept. 30 (gage height, 6.95 ft); minimum, 26 cfs Oct. 3-6; minimum gage height, 3.84 ft Oct. 6.
1945-53: Maximum discharge, 458 cfs Oct. 4, 5, 1945 (gage height, 7.06 ft); minimum observed, 0.2 cfs June 18, 19, 1945; minimum gage height observed, 2.14 ft June 19, 1945.

Remarks.--Records poor.

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	27	56	41	44	46	42	50	69	52	40	73	164
2	27	55	41	44	49	41	49	70	50	38	73	167
3	27	54	40	44	54	40	48	70	48	*37	74	172
4	26	53	40	44	53	40	48	70	48	38	73	174
5	26	52	40	44	53	38	46	69	46	38	73	174
6	27	52	39	44	52	38	46	70	58	38	74	176
7	32	50	38	44	53	38	*50	72	65	38	74	180
8	34	50	*39	44	54	36	50	74	66	38	75	180
9	35	48	40	52	52	36	50	74	65	38	77	182
10	34	48	40	55	52	35	50	74	64	38	*81	185
11	35	48	39	55	51	35	50	74	62	38	82	186
12	35	47	39	*56	51	35	51	74	61	38	82	191
13	36	46	39	55	50	36	61	73	59	38	83	194
14	38	46	40	55	48	42	62	72	58	38	82	197
15	39	46	40	54	50	42	65	71	56	39	82	204
16	43	45	40	54	48	41	68	70	55	40	83	216
17	44	45	40	54	48	40	68	68	54	40	86	236
18	46	44	41	54	46	40	68	68	54	39	84	248
19	48	44	42	54	46	40	70	*67	53	38	83	258
20	54	44	42	54	45	39	69	65	51	39	83	269
21	58	44	42	52	45	44	68	64	49	40	83	276
22	60	44	42	52	45	48	67	62	49	40	83	284
23	*61	43	42	51	44	52	67	64	50	47	83	*288
24	61	43	42	52	*44	56	66	62	50	54	86	293
25	61	43	42	50	44	56	65	62	48	64	90	299
26	61	42	42	50	44	55	67	60	48	68	93	310
27	61	42	42	49	43	54	68	59	47	72	98	329
28	61	42	43	48	42	54	68	58	46	74	125	332
29	58	42	42	48	-	53	68	55	44	74	149	340
30	58	42	42	46	-	52	70	54	42	74	155	346
31	56	-	44	46	-	51	-	53	-	74	160	-
Total	1,369	1,400	1,266	1,548	1,352	1,349	1,793	2,067	1,598	1,449	2,782	7,050
Mean	44.2	46.7	40.8	49.9	48.3	43.5	59.8	66.7	53.3	46.7	89.7	235
Cfsm	0.276	0.292	0.255	0.312	0.302	0.272	0.374	0.417	0.333	0.292	0.561	1.47
In.	0.32	0.33	0.29	0.36	0.31	0.31	0.42	0.48	0.37	0.34	0.65	1.64

Calendar year 1952: Max 197 Min 23 Mean 73.9 Cfsm 0.462 In. 6.30
Water year 1952-53: Max 346 Min 26 Mean 68.6 Cfsm 0.429 In. 5.82

* Discharge measurement made on this day.

Palatlakaha 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 above mouth.

Records available.--May 1945 to September 1953 (discharge measurements only).

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

Extremes.--1945-53: 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 1952 to September 1953

Oct. 23..... 61.9
Dec. 8..... 41.0
Jan. 12..... 53.5
Feb. 24..... 47.4
Apr. 7..... 60.9
May 19..... 63.5
July 3..... 50.8
Aug. 10..... 75.0
Sept.24..... 353

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 1953.

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.--11 years, 293 cfs.

Extremes.--Maximum discharge during year, 568 cfs Sept. 30 (gage height, 3.74 ft); minimum, 193 cfs Oct. 5; minimum gage height, 1.78 ft Jan. 4-8.
1942-53: Maximum discharge observed, 704 cfs Oct. 7, 8, 11, 1949 (gage height, 4.22 ft); minimum, 74 cfs June 23-26, 1943; minimum gage height observed, 1.16 ft June 26, 1943.
Maximum stage known, about 6.4 ft in 1926, from information by local resident.

Remarks.--Records good.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 26 to Dec. 3)

Oct. 1 to Dec. 1		Dec. 2 to Sept. 30	
1.9	192	1.7	185
2.0	203	2.0	233
2.4	258	3.0	418
		3.8	582

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	201	242	227	206	216	255	283	310	221	255	283	*408
2	201	241	226	205	259	253	283	312	219	253	283	412
3	201	241	226	198	*259	253	279	308	210	249	283	416
4	195	238	224	197	262	253	277	308	203	247	283	431
5	193	239	224	197	260	246	275	302	210	242	293	429
6	199	238	223	197	262	235	281	301	228	237	299	431
7	218	236	223	197	264	235	306	299	253	235	301	439
8	229	235	224	197	268	235	299	308	*251	233	301	439
9	232	235	224	210	268	231	297	308	247	228	308	458
10	231	235	226	205	266	223	295	302	244	242	308	450
11	231	236	218	213	264	228	297	299	244	237	317	445
12	228	234	218	216	270	231	301	297	244	223	314	446
13	227	232	218	211	266	231	321	295	244	219	314	448
14	227	232	216	211	260	242	308	293	242	221	314	448
15	229	234	213	213	272	242	302	290	242	223	314	450
16	239	234	213	213	272	*242	310	286	246	223	323	456
17	242	232	213	214	270	235	308	283	249	231	323	479
18	242	232	214	216	260	231	306	281	249	233	338	506
19	247	234	213	218	260	228	306	279	244	231	336	501
20	252	236	213	218	262	228	304	272	240	*230	336	516
21	244	234	214	218	268	246	302	268	237	238	336	522
22	244	234	*211	216	266	274	302	266	233	237	338	526
23	250	228	211	216	260	275	302	264	233	253	343	526
24	250	229	211	221	260	301	302	262	249	257	341	533
25	250	229	211	221	264	301	304	257	251	262	339	537
26	250	231	210	214	264	293	325	251	260	279	361	544
27	250	232	206	214	259	292	*319	247	277	283	369	564
28	250	225	205	214	259	290	316	246	272	281	380	559
29	244	227	202	208	-	286	308	233	264	281	401	555
30	241	227	202	208	-	284	314	226	259	281	395	568
31	241	-	202	208	-	283	-	223	-	283	399	-
Total	7,178	7,012	6,681	6,510	7,340	7,882	9,032	8,676	7,265	7,627	10,173	14,442
Mean	232	234	216	210	262	254	301	280	242	246	328	481
Cfsm	0.362	0.366	0.338	0.328	0.409	0.397	0.470	0.438	0.378	0.384	0.512	0.752
In.	0.42	0.41	0.39	0.38	0.43	0.46	0.52	0.50	0.42	0.44	0.59	0.84

Calendar year 1952: Max 400 Min 176 Mean 256 Cfsm 0.400 In. 5.47
Water year 1952-53: Max 568 Min 193 Mean 273 Cfsm 0.427 In. 5.80

* 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. Records include flow of old Oklawaha River channel.

Drainage area.--910 sq mi, approximately.

Records available.--February to September 1943 (discharge measurements only), October 1943 to September 1953.

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.--10 years, 377 cfs.

Extremes.--Maximum discharge during year, 784 cfs Sept. 27 (gage height, 48.22 ft); minimum, 138 cfs Jan. 29 (gage height, 43.02 ft); minimum daily, 138 cfs Jan. 29. 1943-53: Maximum discharge, 988 cfs Oct. 19, 1944 (gage height, 49.31 ft); minimum, 42 cfs Nov. 26, 1943 (gage height, 40.90 ft); minimum daily, 90 cfs Dec. 12, 1943.

Remarks.--Records fair. Flow regulated by powerplant above station. Normal limits of regulation of reservoir insufficient to affect monthly figures of runoff.

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	295	333	277	244	228	297	242	294	216	353	350	578
2	282	338	267	247	236	274	242	294	208	344	341	573
3	273	330	261	246	*304	271	242	301	211	335	338	569
4	268	331	260	247	299	271	244	278	228	342	335	565
5	261	324	260	245	296	263	253	273	217	337	341	573
6	252	323	260	245	314	260	245	279	316	318	344	571
7	263	324	263	231	382	257	330	276	325	318	339	576
8	305	322	254	246	417	253	323	294	*346	314	344	566
9	355	319	254	279	370	244	292	288	336	312	361	557
10	319	*317	254	304	347	242	288	288	312	304	380	564
11	307	316	255	286	360	246	282	278	a305	307	419	555
12	305	315	254	277	355	244	277	274	a302	302	403	544
13	300	309	256	276	349	239	317	272	a303	281	400	539
14	287	311	254	278	338	246	341	272	a308	276	384	533
15	287	312	253	276	341	258	325	260	a315	280	383	532
16	314	311	255	276	357	*249	332	244	a335	285	392	560
17	321	307	247	338	353	244	325	255	a350	314	399	627
18	319	296	246	349	341	245	312	257	a355	339	419	674
19	322	286	252	311	311	234	323	255	a350	342	424	692
20	339	287	252	280	322	237	337	255	345	306	412	735
21	403	285	255	270	322	231	313	243	a340	263	424	750
22	412	284	*256	266	324	277	351	241	a340	*284	462	744
23	406	285	257	267	316	324	296	246	a340	320	462	731
24	396	282	255	268	305	327	293	261	a345	318	451	728
25	382	278	254	270	301	310	292	242	a350	319	*436	719
26	364	283	254	270	299	287	295	237	360	316	444	724
27	352	283	257	251	299	275	297	238	367	331	484	752
28	353	279	258	176	297	271	*297	227	a370	357	557	728
29	342	280	245	138	-	271	302	226	a364	345	605	719
30	330	280	242	223	-	249	295	228	a360	368	573	735
31	330	-	244	226	-	245	-	228	-	366	561	-
Total	10,044	9,130	7,911	8,106	9,085	8,141	8,903	8,104	9,519	9,896	12,967	19,013
Mean	324	304	255	261	324	263	297	261	317	319	418	634
Cfsm	0.356	0.334	0.280	0.287	0.356	0.289	0.326	0.287	0.348	0.351	0.459	0.697
In.	0.41	0.37	0.32	0.33	0.37	0.33	0.36	0.33	0.39	0.40	0.53	0.78

Calendar year 1952: Max 674 Min 190 Mean 308 Cfsm 0.338 In. 4.61
Water year 1952-53: Max 752 Min 138 Mean 331 Cfsm 0.364 In. 4.92

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Oklawaha River near Ocala.

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 1953.

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.--23 years, 402 cfs.

Extremes.--Maximum discharge during year, 1,220 cfs Aug. 27 (gage height, 4.15 ft); minimum, 190 cfs Jan. 30 (gage height, 0.02 ft).
1930-53: Maximum discharge, 1,810 cfs June 15, 1934; maximum gage height, 5.52 ft Sept. 6, 1933; minimum discharge, 41 cfs May 7, 1939; minimum gage height, -1.76 ft Aug. 2, 1932.

Remarks.--Records fair. 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-11, Oct. 28 to Nov. 30, Dec. 21-27, Jan. 15-25)

Oct. 1 to Jan. 14		Jan. 15 to Sept. 30	
0.5	206	0.1	200
1.0	265	1.0	325
2.0	418	2.0	479
2.4	529	3.0	745
		4.1	1,190

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	393	296	247	235	261	302	254	344	237	382	502	989
2	363	291	241	232	253	290	247	338	226	370	465	949
3	329	284	236	228	292	269	248	337	221	368	a440	925
4	304	274	234	222	*318	275	250	340	250	366	a420	901
5	296	269	238	222	310	268	251	314	316	361	a420	877
6	283	261	236	218	303	262	254	314	346	348	a420	862
7	310	260	234	215	343	260	412	322	358	346	a420	843
8	324	258	234	214	391	260	450	344	360	337	a440	839
9	346	248	227	286	402	254	409	337	*362	336	a480	805
10	338	248	226	301	374	244	378	322	346	340	a540	773
11	317	247	230	279	376	261	374	318	316	348	587	748
12	303	*251	233	278	378	257	362	309	316	.344	569	718
13	294	246	245	266	361	247	420	292	312	340	535	695
14	295	246	236	265	350	253	438	290	322	325	517	679
15	291	248	a235	251	366	281	427	281	349	348	508	667
16	301	248	a236	239	373	286	421	274	386	385	487	670
17	305	248	a237	254	362	*260	416	276	414	442	490	718
18	312	246	a239	316	355	250	392	281	404	447	554	756
19	307	241	a240	281	349	246	398	281	386	433	566	809
20	318	245	a242	309	338	239	433	276	366	a450	559	866
21	398	245	245	295	340	251	438	272	348	*472	639	893
22	514	242	*248	272	332	309	410	267	349	430	784	885
23	527	239	260	268	326	374	388	262	367	415	798	889
24	502	240	248	271	318	379	367	272	465	418	881	877
25	462	239	239	274	312	362	355	271	445	412	*831	866
26	412	239	236	281	307	336	362	248	481	414	802	854
27	375	238	241	276	331	318	*374	253	487	418	977	870
28	357	240	236	254	318	299	366	247	445	428	1,160	858
29	335	246	235	206	-	281	358	240	421	440	1,190	862
30	308	242	238	209	-	271	352	240	397	500	1,110	870
31	296	-	251	264	-	261	-	239	-	528	1,010	-
Total	10,815	7,565	7,403	7,981	9,439	8,705	11,004	9,002	10,798	12,291	20,101	24,813
Mean	349	252	239	257	337	281	367	290	360	396	648	827
Cfsm	0.317	0.229	0.217	0.234	0.306	0.255	0.334	0.264	0.327	0.360	0.589	0.752
In.	0.37	0.26	0.25	0.27	0.32	0.29	0.37	0.30	0.37	0.42	0.68	0.84

Calendar year 1952: Max 942 Min 226 Mean 329 Cfsm 0.299 In. 4.08
Water year 1952-53: Max 1,190 Min 206 Mean 383 Cfsm 0.348 In. 4.74

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Oklawaha River at Moss Bluff.

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., 700 ft downstream from Paradise Landing, 0.7 mile downstream from head of springs, and 6.0 miles northeast of Ocala.

Records available.--January 1933 to September 1953.

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, supplementary staff gage at same site and datum.

Average discharge.--20 years, 834 cfs.

Extremes.--Maximum discharge during year, 990 cfs Sept. 27; maximum gage height at head of springs, 2.52 ft Sept. 30; minimum discharge, 726 cfs date unknown; minimum gage height at head of springs, 0.78 ft Apr. 2-6.

1933-53: Maximum 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 observed at head of springs, 0.06 ft June 22, 1945.

Remarks.--Records good. 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	811	841	826	786	770	752	a730	765	761	760	773	866
2	810	842	829	792	772	751	a730	764	756	762	777	873
3	*806	844	825	794	771	749	a730	761	753	761	777	885
4	804	845	822	783	769	751	a730	761	754	760	779	893
5	809	848	826	782	764	743	a731	763	754	761	784	902
6	810	849	821	777	766	740	a732	766	754	763	784	908
7	812	844	819	777	770	743	a733	769	754	762	781	908
8	813	842	819	786	764	744	a734	768	754	761	781	910
9	809	847	820	802	755	741	*a735	768	750	761	786	916
10	804	852	824	793	757	743	736	767	751	762	786	922
11	804	851	816	782	764	744	736	767	753	764	786	926
12	806	846	813	774	770	741	742	765	752	765	788	927
13	807	845	815	772	764	743	741	764	753	764	791	931
14	808	845	815	774	765	743	732	766	757	761	792	934
15	813	845	810	775	764	741	740	766	755	759	793	937
16	813	842	806	777	755	741	746	766	753	760	795	942
17	810	842	806	777	754	738	742	766	754	763	797	943
18	811	844	806	780	749	740	748	767	758	765	799	942
19	814	849	806	781	754	740	752	766	754	764	804	948
20	815	852	809	781	758	736	749	763	752	765	806	955
21	811	844	816	780	756	737	748	761	752	766	806	953
22	812	835	806	772	752	739	751	761	752	766	808	952
23	816	831	800	777	751	738	754	762	753	768	813	954
24	819	832	797	778	755	738	757	762	756	770	816	961
25	824	834	797	766	757	736	760	763	755	770	818	972
26	824	834	797	763	757	a735	763	764	755	770	822	984
27	829	832	796	767	755	a734	763	761	755	768	829	988
28	834	829	794	*772	753	a733	762	754	755	768	838	984
29	826	828	794	770	-	a732	766	755	755	768	848	984
30	826	827	798	768	-	a731	767	759	757	767	854	982
31	835	-	799	770	-	a730	-	761	-	768	861	-
Total	25,245	25,241	25,127	24,128	21,291	22,947	22,340	23,671	22,627	23,692	24,872	28,082
Mean	814	841	811	778	760	740	745	764	754	764	802	936
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 934 Min 794 Mean 845 Cfsm - In. -
Water year 1952-53: Max 988 Min 730 Mean 793 Cfsm - In. -

* Discharge measurement made on this day.
a No artesian pressure record; discharge estimated on basis of observer's readings and 1 discharge measurement.

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 1953.

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.--6 years, 121 cfs.

Extremes.--Maximum discharge during year, 382 cfs Sept. 30 (gage height, 5.96 ft); minimum, 6.3 cfs Jan. 7, 8 (gage height, 3.01 ft).

1947-53: Maximum discharge, 677 cfs Mar. 17-24; 1948; maximum gage height, 7.81 ft Mar. 17, 1948; minimum discharge, 1.2 cfs June 27, 1950; minimum gage height, 3.01 ft Jan. 7, 8, 1953.

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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

3.0	6.0	4.6	90
3.4	18	5.0	160
3.8	32	5.9	365
4.2	54		

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	24	19	13	9.6	14	11	13	81	40	50	38	147
2	23	19	13	8.2	15	11	13	81	40	48	36	*162
3	*23	18	13	8.4	15	11	13	80	36	47	36	175
4	22	18	13	9.0	*15	10	13	76	35	47	35	181
5	21	18	12	7.6	15	10	13	75	36	46	36	195
6	20	18	13	7.1	14	9.3	13	74	40	45	40	214
7	21	18	12	6.5	14	9.0	21	77	46	44	38	224
8	20	17	12	6.3	15	9.0	24	79	45	42	38	231
9	21	17	12	16	15	8.7	26	78	*45	41	38	235
10	20	17	12	16	14	8.4	28	77	44	40	38	238
11	20	17	13	16	13	8.7	31	75	43	38	38	240
12	19	*17	12	15	14	9.0	35	73	41	38	40	238
13	19	16	12	14	14	9.0	40	72	40	36	41	235
14	18	16	11	13	14	9.3	44	71	43	36	42	231
15	19	16	11	13	15	11	44	69	48	36	42	231
16	20	15	10	13	16	11	49	66	59	37	41	235
17	18	15	9.6	13	14	11	52	65	55	40	41	246
18	18	15	9.3	13	14	*10	52	64	52	40	43	257
19	19	14	9.0	13	13	10	56	62	49	39	44	260
20	20	17	8.7	14	13	10	60	60	47	39	46	280
21	29	17	8.7	14	13	10	59	60	45	*38	48	300
22	28	17	9.0	14	13	12	58	59	43	38	52	304
23	26	16	*8.7	13	12	14	57	60	42	38	59	310
24	24	15	8.4	14	12	15	58	58	43	38	63	312
25	23	14	8.2	15	12	15	57	56	41	36	72	317
26	23	14	8.2	14	12	15	60	55	45	36	84	320
27	22	14	8.2	13	12	15	60	54	56	35	90	346
28	22	15	7.9	13	12	14	*60	50	55	36	108	349
29	21	14	7.6	14	-	14	60	47	52	38	114	354
30	20	14	7.4	14	-	14	71	44	50	38	124	365
31	20	-	8.2	13	-	13	-	42	-	38	137	-
Total	663	487	321.1	382.7	384	347.4	1,240	2,040	1,356	1,238	1,742	7,732
Mean	21.4	16.2	10.4	12.3	13.7	11.2	41.3	65.8	45.2	39.9	56.2	258
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 244 Min 7.4 Mean 79.6 Cfsm - In. -
Water year 1952-53: Max 365 Min 6.3 Mean 49.1 Cfsm - In. -

* Discharge measurement made on this day.

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 1953.

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.--6 years, 34.4 cfs.

Extremes.--Maximum discharge during year, 116 cfs Sept. 30 (gage height, 4.43 ft); no flow for many days.
1947-53: Maximum discharge, 341 cfs Mar. 12, 13, 1948 (gage height, 6.04 ft); no flow for many days.

Remarks.--Records poor. 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.

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	0			0	0	0	0	1.1	0	0.5	0.3	19
2	0			0	0	0	0	1.2	0	.5	.1	*20
3	0			0	.1	0	0	1.2	0	.4	0	21
4	0			0	**.2	0	0	1.2	0	.3	0	26
5	0			0	.2	0	0	1.2	0	.2	.1	38
6	0			0	.1	0	1.0	1.1	.1	.2	.5	42
7	0			0	.1	0	2.4	1.2	.4	.1	.4	42
8	0			0	.1	0	1.8	1.2	.3	0	.3	41
9	0			.8	.1	0	1.4	1.2	*.2	0	.2	40
10	0			.7	0	0	1.2	1.1	.1	0	.1	38
11	0			.5	0	0	1.0	.9	.1	0	.5	38
12	0	(*)		.4	*0	0	1.2	a.8	0	0	1.1	38
13	0			.3	0	0	1.4	a.8	0	0	.8	38
14	0			.2	0	0	1.4	a.7	.1	0	.6	40
15	0			.2	.1	0	1.2	a.6	.5	0	.4	38
16	0			.1	.1	0	1.2	.5	1.2	.2	.2	43
17	0			.1	.1	0	1.2	a.4	1.2	.4	.4	52
18	0			.1	0	*0	1.0	a.4	.8	.4	.5	57
19	0			.1	0	0	1.0	a.3	.6	.1	.4	55
20	.2			.1	0	0	1.2	a.3	.5	0	.4	72
21	6.4			.1	0	0	1.2	a.2	.4	0	.5	83
22	4.2			0	0	.5	1.2	a.2	.2	*0	1.2	81
23	3.8		(*)	0	0	.6	1.2	a.1	.2	0	1.4	78
24	1.9			0	0	.7	a1.1	a.1	.4	0	3.4	75
25	1.3			0	0	.5	a.9	0	.3	0	3.8	72
26	.9			0	0	.2	a.8	0	.9	0	4.8	76
27	.7			0	0	.2	a.6	0	1.4	0	5.9	87
28	.5			0	0	.2	*.5	0	1.2	.1	14	87
29	.2			0	-	.1	.6	0	1.0	.4	13	85
30	.1			0	-	0	1.1	0	.8	.5	14	99
31	0	-		0	-	0	-	0	-	.5	16	-
Total	20.2	0	0	3.7	1.2	3.0	28.8	18.0	12.9	4.8	85.3	1,621
Mean	0.65	0	0	0.12	0.04	0.10	0.96	0.58	0.43	0.15	2.75	54.0
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 43 Min 0 Mean 6.86 Cfsm - In. -
Water year 1952-53: Max 99 Min 0 Mean 4.93 Cfsm - In. -

* Discharge measurement or observation of no flow made on this day.
** Field estimate made on this day.
a No gage-height record; discharge estimated on basis of records for Orange Lake Outlet near Citra.

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, 8¼ miles east of Orange Springs.

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

Records available.--October 1943 to September 1953.

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

Average discharge.--10 years, 2,181 cfs.

Extremes.--Maximum discharge during year, 4,950 cfs Sept. 1 (gage height, 7.96 ft); minimum, 1,180 cfs June 1-3 (gage height, 4.79 ft).
1943-53: Maximum discharge, 7,320 cfs Sept. 10, 1950 (gage height, 9.50 ft); minimum, 956 cfs June 3, 4, 6-19, 1945; minimum gage height, 3.97 ft June 17, 18, 1945.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second) (Shifting-control method used Nov. 14 to Dec. 28)

4.8	1,180	6.6	2,760
5.2	1,380	7.0	3,360
6.0	2,020	8.0	5,010

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	1,850	2,050	1,440	1,410	1,430	1,380	1,340	1,710	1,180	1,690	1,640	4,930
2	*1,820	1,980	1,440	1,420	1,430	1,370	1,300	1,670	1,180	1,670	1,670	4,770
3	1,780	1,920	1,430	1,420	1,470	1,360	1,280	1,640	1,180	1,640	1,660	4,500
4	1,750	1,850	1,430	1,400	1,510	1,340	1,300	1,600	1,190	1,590	1,650	4,210
5	1,710	1,800	1,430	1,390	*1,520	1,320	1,280	1,580	1,260	1,540	1,680	3,970
6	1,680	1,750	1,420	1,370	1,520	1,300	1,280	1,530	1,330	1,490	1,750	3,820
7	1,710	1,710	1,420	1,360	1,510	1,280	1,770	1,540	1,400	1,460	1,810	3,650
8	1,820	1,670	1,410	1,350	1,550	1,280	2,310	1,560	1,420	1,410	1,830	3,470
9	1,910	1,640	1,400	1,660	1,560	1,260	2,480	1,560	1,420	1,370	1,860	3,330
10	1,920	1,620	1,410	1,890	1,560	1,260	2,520	1,550	*1,400	1,360	1,910	3,230
11	1,880	1,600	1,420	2,030	1,550	1,320	2,520	1,530	1,370	1,360	1,910	3,140
12	1,860	1,580	1,410	2,080	1,550	1,510	2,660	1,500	1,370	1,350	1,850	3,050
13	1,840	1,560	1,400	2,050	1,540	1,550	2,800	1,480	1,400	1,340	1,800	2,940
14	1,800	1,550	1,390	2,000	1,540	1,490	2,790	1,450	1,450	1,340	1,770	2,870
15	1,790	1,540	1,370	1,950	1,590	1,460	2,720	1,420	1,500	1,410	1,760	2,800
16	1,800	1,530	1,360	1,890	1,630	1,480	2,650	1,390	1,510	1,450	1,750	2,770
17	1,760	*1,520	1,360	1,820	1,630	1,470	2,540	1,360	1,530	1,480	1,780	2,770
18	1,730	1,510	1,360	1,770	1,630	1,430	2,480	1,340	1,530	1,460	1,830	2,870
19	1,760	1,510	1,340	1,750	1,600	*1,360	2,420	1,320	1,510	1,510	1,850	2,980
20	1,820	1,520	1,340	1,710	1,580	1,310	2,360	1,300	1,490	1,580	1,850	3,080
21	2,110	1,540	1,350	1,710	1,560	1,310	2,280	1,290	1,470	1,570	1,840	3,310
22	2,490	1,540	1,350	1,680	1,530	1,450	2,210	1,280	1,450	1,560	1,860	3,470
23	2,690	1,520	*1,340	1,670	1,500	1,570	2,130	1,280	1,490	*1,540	2,020	3,780
24	2,760	1,510	1,340	1,650	1,490	1,650	2,050	1,260	1,550	1,570	2,210	4,480
25	2,730	1,490	1,350	1,630	1,480	1,640	1,990	1,240	1,510	1,610	2,490	4,740
26	2,660	1,490	1,350	1,590	1,450	1,620	1,960	1,240	1,550	1,640	2,930	4,740
27	2,570	1,480	1,350	1,550	1,430	1,560	1,930	1,220	1,650	1,660	3,500	4,880
28	2,450	1,460	1,340	1,520	1,400	1,520	1,880	1,220	1,670	1,670	4,330	4,870
29	2,350	1,460	1,340	1,490	-	1,480	*1,810	1,210	1,690	1,680	4,790	4,750
30	2,230	1,450	1,350	1,460	-	1,430	1,770	1,200	1,700	1,640	4,870	4,740
31	2,150	-	1,390	1,440	-	1,380	-	1,190	-	1,640	*4,930	-
Total	63,180	48,350	42,830	51,110	42,740	44,140	62,810	43,640	43,350	47,260	71,380	112,910
Mean	2,038	1,612	1,382	1,649	1,526	1,424	2,094	1,408	1,445	1,525	2,303	3,764
Cfsm	0.970	0.768	0.658	0.785	0.727	0.678	0.997	0.670	0.688	0.726	1.10	1.79
In.	1.12	0.86	0.76	0.91	0.76	0.78	1.11	0.77	0.77	0.84	1.26	2.00

Calendar year 1952: Max 3,840 Min 1,340 Mean 1,867 Cfsm 0.889 In. 12.10
Water year 1952-53: Max 4,930 Min 1,180 Mean 1,846 Cfsm 0.879 In. 11.94

* Discharge measurement made on this day.

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. Prior to Jan. 5, 1953, at site 600 ft upstream.

Drainage area.--120 sq mi, approximately.

Records available.--January 1951 to September 1953.

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, 1,490 cfs Sept. 24 (gage height, 8.72 ft); minimum, 2.2 cfs July 17, 18 (gage height 1.34 ft).
1951-53: Maximum discharge, that of Sept. 24, 1953; minimum, 0.2 cfs July 31, Aug. 1, 2, 1952.

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

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 21-24)

Oct. 1 to Jan. 5				Jan. 6 to Sept. 30			
2.3	10	5.0	128	1.3	2.0	4.0	86
2.8	20	6.0	231	1.4	2.6	5.0	155
3.4	38	7.0	394	1.6	4.6	6.0	281
4.0	62	7.8	601	1.8	8.1	7.0	479
4.5	88			2.0	14	8.0	800
				3.0	46	8.7	1,460

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	598	211	27	14	a24	a51	168	91	4.2	2.5	8.9	972
2	564	193	26	13	a26	49	176	82	4.0	3.4	10	*948
3	519	178	26	12	g33	48	179	74	4.0	7.3	13	891
4	466	162	25	12	g32	47	178	66	4.0	5.6	20	849
5	415	146	24	*10	g31	45	172	59	4.2	5.4	41	800
6	364	134	23	a9	a32	*39	165	52	5.0	4.6	46	794
7	345	120	22	g7.9	a36	36	312	50	13	4.0	45	884
8	322	104	22	g8.6	a44	35	380	57	20	4.4	47	1,090
9	309	96	21	g20	g47	32	366	53	7.9	*3.3	56	1,100
10	*287	89	21	a18	g48	29	358	47	5.6	4.0	57	1,040
11	270	82	20	a17	a50	30	354	41	4.8	4.6	103	956
12	256	76	19	g15	g54	38	387	38	4.8	5.2	167	856
13	251	70	18	g15	g58	40	404	35	6.0	3.4	106	759
14	252	66	18	a15	g59	39	382	33	6.9	2.7	77	687
15	290	64	18	g15	a61	37	*354	31	7.9	2.6	61	633
16	294	59	17	g16	a68	35	360	28	5.4	2.6	54	601
17	305	55	16	a17	g71	33	329	26	4.7	2.3	53	585
18	304	51	15	a18	a70	29	301	24	4.2	2.3	55	615
19	310	49	15	a19	g66	27	286	22	3.8	2.5	*49	649
20	305	49	15	g20	g66	24	268	20	3.4	3.5	67	864
21	315	51	15	g20	a64	32	236	18	3.2	6.0	147	649
22	*364	*45	15	*g20	a63	104	210	16	3.6	5.9	142	643
23	*458	40	15	*g20	a61	163	190	15	5.2	13	161	723
24	448	38	15	a20	a59	194	172	13	4.4	6.7	229	1,380
25	419	36	14	a21	a58	195	155	10	3.8	4.7	271	1,560
26	381	35	14	g22	a56	173	149	8.9	3.6	62	401	1,120
27	345	34	14	g22	a54	155	144	8.1	4.2	83	492	1,050
28	315	32	13	g22	a52	152	123	7.1	4.4	28	580	933
29	283	30	13	g22	-	152	108	*6.3	3.2	16	737	828
30	250	29	13	g22	-	150	101	5.6	2.7	12	856	748
31	230	-	14	a22	-	158	-	4.7	-	9.2	*940	-
Total	10,834	2,424	563	524.5	1,445	2,371	7,467	1,041.7	162.1	322.7	6,091.9	25,807
Mean	349	80.8	18.2	16.9	51.6	76.5	249	33.6	5.40	10.4	197	860
Cfsm	2.91	0.673	0.152	0.141	0.430	0.638	2.08	0.280	0.045	0.087	1.64	7.17
In.	3.36	0.75	0.17	0.16	0.45	0.73	2.31	0.32	0.05	0.10	1.89	8.00

Calendar year 1952: Max 613 Min 0.2 Mean 108 Cfsm 0.900 In. 12.21
Water year 1952-53: Max 1,380 Min 2.3 Mean 162 Cfsm 1.35 In. 18.29

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Moultrie Creek near St. Augustine.
g Computed from once-daily staff-gage readings.

South Fork Black Creek near Penney Farms, Fla.

Location.--Lat 29°59', long. 81°51', in sec. 13, T. 6 S., R. 24 E., on right bank 20 ft downstream from bridge on State Highway 16, half a mile downstream from Greens Creek, 2½ miles west of Penney Farms, and 10 miles west of Green Cove Springs.

Drainage area.--134 sq mi.

Records available.--November 1939 to September 1953.

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.--14 years, 168 cfs.

Extremes.--Maximum discharge during year, 5,790 cfs Apr. 20 (gage height, 19.40 ft); minimum, 28 cfs June 23 (gage height, 1.25 ft).
1939-53: Maximum discharge, 13,900 cfs Oct. 19, 1944 (gage height, 26.33 ft, from floodmarks), from rating curve extended above 8,000 cfs; minimum, 15 cfs Nov. 8-10, 13, 14, 1940, June 14-16, 1951; minimum gage height, 0.77 ft June 21, 22, 1950.

Remarks.--Records good except those for period of doubtful gage-height record, which are poor.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second) (Shifting-control method used Oct. 24 to Nov. 21, Feb. 16 to Mar. 25)

1.2	27	12.0	1,080
1.6	43	14.0	1,570
2.0	65	16.0	2,630
4.0	238	17.9	4,220
10.0	810		

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	219	86	49	55	50	60	47	70	29	36	116	*1,410
2	160	78	46	47	287	58	44	63	29	34	85	*926
3	115	72	46	42	1,140	56	45	58	30	33	67	558
4	88	68	47	38	605	*57	59	55	29	31	57	592
5	72	66	46	36	286	54	52	52	31	32	147	452
6	65	64	45	34	223	51	70	50	34	34	279	408
7	123	60	44	33	180	51	2,280	52	62	35	206	440
8	267	57	42	34	172	51	2,000	56	47	*31	138	494
9	313	55	40	375	162	48	879	49	39	30	125	354
10	271	54	*39	729	141	46	429	46	35	33	215	298
11	197	66	43	482	118	88	284	45	32	49	1,350	270
12	145	73	41	280	104	263	262	43	31	43	1,220	233
13	113	67	39	203	94	198	359	41	86	38	571	197
14	94	60	38	157	85	138	*314	40	73	36	290	170
15	80	61	38	85	147	100	220	39	68	40	175	153
16	114	58	38	105	182	84	187	38	50	77	129	148
17	160	54	37	91	168	70	157	37	43	45	197	149
18	120	52	37	80	129	61	124	37	37	36	573	151
19	97	50	36	80	107	56	727	36	33	36	932	280
20	124	68	37	114	95	51	4,100	35	31	40	*548	563
21	405	108	38	*129	88	52	1,240	36	30	42	520	584
22	1,320	85	37	110	80	234	594	36	29	35	1,570	429
23	896	68	37	94	78	446	323	34	29	38	1,530	314
24	475	60	36	118	78	348	228	33	47	43	4,200	460
25	390	55	36	113	75	230	175	32	47	63	2,120	678
26	*224	54	35	90	72	170	142	32	40	194	1,470	481
27	182	55	36	77	68	125	122	*31	126	1,050	2,020	730
28	159	54	35	67	64	95	100	31	84	713	1,440	810
29	133	51	34	61	-	75	87	31	49	494	2,850	482
30	110	48	34	55	-	61	77	30	40	324	1,340	*343
31	96	-	39	52	-	55	-	30	-	179	956	-
Total	7,327	1,907	1,225	4,066	5,078	3,530	15,727	1,298	1,370	3,944	27,436	13,557
Mean	236	63.6	39.5	131	181	114	524	41.9	45.7	127	885	452
Cfsm	1.76	0.475	0.295	0.978	1.35	0.851	3.91	0.313	0.341	0.948	6.60	3.37
In.	2.03	0.53	0.34	1.13	1.41	0.98	4.36	0.36	0.38	1.09	7.61	3.76

Calendar year 1952: Max 1,320 Min 27 Mean 111 Cfsm 0.828 In. 11.23
Water year 1952-53: Max 4,200 Min 29 Mean 237 Cfsm 1.77 In. 23.98

Peak discharge (base, 1,300 cfs).--Oct. 22 (11:30 a.m.) 1,460 cfs (13.67 ft); Apr. 7 (7:30 p.m.) 3,920 cfs (17.57 ft); Apr. 20 (4 a.m.) 5,790 cfs (19.40 ft); July 27 (2 p.m.) 1,310 cfs (13.17 ft); Aug. 11 (4:30 p.m.) 2,120 cfs (15.22 ft); Aug. 24 (8:30 a.m.) 5,430 cfs (19.08 ft); Aug. 27 (5 a.m.) 2,550 cfs (15.88 ft); Aug. 29 (7 a.m.) 3,530 cfs (17.14 ft); Sept. 1 (10 a.m.) 1,520 cfs (13.88 ft).
* Discharge measurement made on this day.
Note.--Discharge computed on basis of doubtful gage-height record Nov. 1 to Dec. 16.

North Fork Black Creek near Middleburg, Fla.

Location.--Lat 30°06'50", long. 81°54'35", in sec. 33, T. 4 S., R. 24 E., on left bank a third of a mile upstream from Big Branch, 4 miles northwest of Middleburg, and 6½ miles upstream from confluence with South Fork.

Drainage area.--174 sq mi.

Records available.--November 1931 to September 1953.

Gage.--Staff gage read twice daily. Datum of gage is 0.62 ft above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to Mar. 29, 1933, at site three-eighths of a mile downstream at different datum.

Average discharge.--21 years (1932-53), 175 cfs.

Extremes.--Maximum discharge during year, 4,890 cfs Aug. 28 (gage height, 17.78 ft, from floodmark); minimum, 7.2 cfs June 2 (gage height, 0.66 ft).

1931-53: Maximum discharge, 10,400 cfs Oct. 19, 1944 (gage height, 23.76 ft, from floodmark), from rating curve extended above 7,000 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 7,000 cfs).

Remarks.--Records good except those for periods of tide effect, which are fair.

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

Rating table, water year 1952-53, except period of tide effect (gage height, in feet, and discharge, in cubic feet per second) (Shifting-control method used Oct. 19 to Nov. 2)

0.6	5.0	8.0	734
.8	13	13.0	1,500
1.0	23	14.0	1,770
1.5	58	15.0	2,280
3.0	181	16.4	3,470

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	154	26	26	40	56	40	33	45	7.9	25	134	761
2	121	e26	26	39	54	37	31	40	7.5	21	116	747
3	97	e25	27	38	130	36	30	36	8.2	18	155	611
4	e72	e24	29	35	190	*34	47	33	7.9	15	86	656
5	e58	e23	30	32	189	32	50	31	10	15	138	759
6	e54	e23	31	30	165	32	53	29	19	24	369	897
7	e69	23	31	28	137	31	759	30	38	*39	381	738
8	141	25	30	55	119	30	1,680	32	36	23	176	507
9	238	23	28	514	120	29	1,310	31	33	27	250	359
10	290	23	*28	695	114	28	728	29	25	28	173	400
11	253	24	26	847	97	66	415	28	20	96	226	638
12	186	25	26	491	83	323	349	25	18	65	186	395
13	136	25	25	265	74	351	1,030	23	22	39	199	222
14	103	26	25	177	65	277	1,410	21	25	32	248	154
15	78	27	25	135	84	190	*873	20	57	27	169	131
16	66	28	26	113	136	144	531	19	68	26	161	119
17	54	25	25	96	122	108	408	17	72	26	299	110
18	53	25	26	86	104	80	297	17	43	24	194	98
19	54	25	25	84	86	62	282	16	31	25	152	179
20	84	30	26	83	75	51	457	15	27	32	186	674
21	145	42	26	*89	67	45	470	16	25	52	*295	822
22	198	40	28	90	60	123	392	16	18	41	1,590	669
23	199	38	28	84	56	336	228	14	15	68	1,820	456
24	171	36	26	130	52	303	152	13	21	68	1,230	855
25	131	34	26	146	49	213	116	12	32	54	924	1,520
26	*97	32	28	141	48	143	92	11	33	45	810	1,460
27	76	30	26	133	45	102	78	*10	34	433	763	1,780
28	56	28	25	116	44	76	67	9.5	35	517	2,700	1,980
29	36	27	25	92	-	56	56	9.5	33	548	3,400	1,280
30	31	26	25	74	-	46	50	9.0	29	360	2,000	*823
31	29	-	29	61	-	39	-	8.2	-	204	1,110	-
Total	3,530	832	833	5,039	2,621	3,463	12,474	665.2	850.5	3,017	20,640	20,800
Mean	114	27.7	26.9	163	93.6	112	416	21.5	28.4	97.3	666	693
Cfsm	0.655	0.159	0.155	0.937	0.538	0.644	2.39	0.124	0.163	0.559	3.83	3.98
In.	0.75	0.18	0.18	1.08	0.56	0.74	2.67	0.14	0.18	0.64	4.41	4.45

Calendar year 1952: Max 1,180 Min 10 Mean 89.0 Cfsm 0.511 In. 6.97
Water year 1952-53: Max 3,400 Min 7.5 Mean 205 Cfsm 1.18 In. 15.98

Peak discharge (base, 1,300 cfs).--Apr. 8 (2 p.m.) 1,980 cfs (14.46 ft); Apr. 14 (1 a.m.) 1,560 cfs (13.32 ft); Aug. 22 (9 p.m.) 2,460 cfs (15.28 ft); Aug. 28 (9 p.m.) 4,890 cfs (17.78 ft); Sept. 8 (2 a.m.) 2,270 cfs (14.98 ft).

* Diacharge measurement made on this day.

e Stage-discharge relation affected by tide; discharge computed from effective gage heights.

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 1953.

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

Average discharge.--14 years, 25.5 cfs.

Extremes.--Maximum discharge during year, 738 cfs Oct. 23 (gage height, 7.83 ft); minimum, 0.5 cfs June 25, 26 (gage height, 2.50 ft).
1939-53: 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 fair.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.5	0.5	5.0	68
2.6	1.2	5.5	84
2.7	2.6	5.8	118
2.8	4.7	6.2	215
2.9	8.3	6.4	273
3.5	37	7.0	466
4.0	48	7.6	661

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	11	60	3.1	3.1	3.1	2.6	14	21	0.7	0.7	1.0	407
2	8.7	54	3.1	2.4	3.3	2.6	13	18	.7	.7	.9	307
3	6.2	49	3.0	2.3	4.7	2.3	11	15	.7	.6	.9	237
4	4.7	44	2.8	2.2	4.2	2.2	12	12	.7	.6	1.5	191
5	3.8	40	2.6	2.0	4.2	*2.0	10	10	.8	.6	5.3	a165
6	3.1	35	2.6	1.9	3.8	1.7	11	8.3	.8	.7	2.0	145
7	3.3	28	2.4	1.9	3.6	1.6	180	7.3	1.5	.7	1.5	157
8	4.5	22	a2.4	1.9	4.7	1.5	196	6.9	1.6	*.7	1.5	132
9	5.0	20	a2.4	13	4.7	1.5	109	5.6	1.0	.7	2.0	a114
10	4.5	18	a2.4	14	4.0	1.1	78	4.7	.9	.9	13	101
11	3.6	16	*2.4	11	4.0	1.5	69	4.0	.8	1.2	24	a87
12	3.1	15	2.3	9.6	3.6	3.0	64	3.1	.8	1.5	15	a73
13	2.8	13	2.3	8.7	3.3	3.1	64	2.8	.7	1.2	6.9	a63
14	2.6	12	2.3	8.3	3.1	2.8	57	2.3	.9	.9	6.2	a60
15	5.0	11	2.3	7.8	6.9	2.3	49	2.0	.9	.8	4.7	a55
16	200	10	2.2	7.3	6.5	2.0	*46	1.6	.9	.8	3.3	a47
17	140	9.1	2.2	6.9	5.6	1.7	43	1.5	.9	.8	2.6	a42
18	86	8.3	2.2	6.5	5.0	1.5	37	1.2	.8	.7	2.0	45
19	223	7.3	2.0	6.5	4.2	1.4	78	1.1	.8	.7	1.9	66
20	417	6.9	2.0	6.2	4.2	1.0	270	1.0	.7	.7	*22	420
21	401	6.9	2.2	6.2	4.2	1.1	199	1.0	.7	.7	51	411
22	517	6.2	2.2	*5.6	4.0	118	130	.9	.7	.7	113	279
23	615	5.6	2.2	5.3	3.8	165	86	.8	.7	.7	150	356
24	430	5.0	2.0	5.3	3.8	87	71	.8	.6	.7	524	654
25	298	4.7	2.0	4.7	4.0	68	61	.8	.6	.8	546	469
26	215	4.5	1.9	4.2	3.6	54	52	.7	.7	6.2	563	366
27	*157	4.2	1.9	4.2	3.1	44	48	.7	.8	3.1	453	320
28	112	4.0	a1.9	4.0	3.0	38	42	*.7	.8	2.2	430	261
29	85	3.8	a1.9	3.8	-	28	36	.7	.7	1.6	423	204
30	72	3.6	a2.0	3.6	-	20	28	.7	.7	1.2	326	157
31	66	-	3.3	3.3	-	17	-	.7	-	1.0	*333	-
Total	4,105.9	527.1	72.5	173.7	116.2	679.5	2,164	137.9	24.6	35.1	4,030.2	6,401
Mean	132	17.6	2.34	5.60	4.15	21.9	72.1	4.45	0.82	1.13	130	213
Cfsm	5.67	0.755	0.100	0.240	0.178	0.940	3.09	0.191	0.035	0.048	5.58	9.14
In.	6.55	0.84	0.12	0.28	0.19	1.08	3.45	0.22	0.04	0.06	6.43	10.22

Calendar year 1952: Max 615 Min 0.4 Mean 18.9 Cfsm 0.811 In. 11.07
Water year 1952-53: Max 654 Min 0.6 Mean 50.6 Cfsm 2.17 In. 29.48

Peak discharge (base, 350 cfs).--Oct. 19 (9:30 p.m.) 501 cfs (7.11 ft); Oct. 23 (1 a.m.) 738 cfs (7.83 ft); Aug. 25 (10 p.m.) 674 cfs (7.64 ft); Sept. 1 (4 a.m.) 440 cfs (6.92 ft); Sept. 21 (1 a.m.) 479 cfs (7.04 ft); Sept. 24 (5:30 a.m.) 714 cfs (7.76 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Little Haw Creek near Seville and Spruce Creek near Samsula.

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 40, 1¾ miles north of Samsula, and 9½ miles west of New Smyrna.

Drainage area.--32 sq mi, approximately.

Records available.--May 1951 to September 1953.

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

Extremes.--Maximum discharge during year, 529 cfs Sept. 7 (gage height, 13.92 ft); minimum, 0.2 cfs June 3, July 3; minimum gage height, 4.04 ft July 3.
1951-53: Maximum discharge, that of Sept. 7, 1953; minimum, 0.1 cfs for several days in 1951 and 1952; minimum gage height, 3.95 ft June 9, 1951, May 16, 17, 1952.

Remarks.--Records fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 24 to Jan. 31, Apr. 2-18)

4.0	0.1	4.8	7.5
4.1	.4	5.0	14
4.2	.8	7.0	86
4.3	1.2	9.9	173
4.4	1.9	11.0	292
4.5	2.8	13.6	491
4.6	3.8		

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	82	27	3.4	3.0	4.5	7.8	30	24	0.4	0.6	74	*467
2	56	22	3.3	2.0	14	7.1	27	20	.3	.4	56	425
3	38	18	3.2	2.7	29	6.7	24	16	.3	.6	62	408
4	28	16	3.0	2.6	22	6.2	23	14	.3	2.1	*49	409
5	22	14	3.5	2.5	20	6.0	21	11	.5	2.0	192	355
6	19	12	4.3	2.5	18	5.4	20	10	.8	1.4	185	321
7	22	9.8	4.3	2.2	19	5.2	42	58	1.4	1.1	140	380
8	32	8.4	4.3	2.2	44	5.1	46	112	1.4	.8	123	452
9	*32	7.8	4.5	3.7	38	4.6	36	59	1.0	1.2	187	488
10	26	7.1	4.5	5.8	30	4.2	35	33	.7	3.8	148	446
11	21	7.1	4.5	5.4	*26	4.9	33	23	.7	4.2	112	378
12	18	7.8	4.2	4.6	23	13	34	18	.8	5.1	78	316
13	18	6.9	3.8	3.8	20	15	179	*14	.8	6.2	54	259
14	22	6.2	4.5	3.5	17	12	178	10	.6	6.7	39	192
15	50	5.8	4.9	*3.4	18	9.5	*122	8.4	.6	6.0	31	124
16	98	5.1	4.8	3.3	18	8.1	102	8.1	1.0	6.9	26	*103
17	66	4.9	4.6	3.3	16	6.4	73	6.7	1.0	6.4	25	148
18	59	4.6	4.6	3.1	15	5.2	48	5.2	1.1	6.4	31	291
19	92	4.5	4.5	3.0	13	4.5	123	4.3	1.0	13	33	298
20	274	*6.2	4.6	3.1	12	3.6	218	3.7	1.0	13	31	279
21	398	10	4.5	3.5	12	6.2	150	3.5	.7	14	52	269
22	*383	8.4	4.3	3.6	16	272	94	3.0	.7	13	119	244
23	*335	7.1	4.0	3.5	16	417	60	2.5	1.0	14	116	172
24	*291	6.0	3.7	6.7	15	370	40	2.0	*1.0	18	135	*147
25	*242	5.4	3.6	7.5	14	321	30	1.6	.8	22	201	121
26	*182	5.1	3.3	6.4	12	269	66	1.3	1.2	57	274	109
27	122	4.8	3.1	5.8	10	213	94	1.2	2.1	107	259	256
28	87	4.5	2.9	5.4	9.0	136	61	.8	1.8	166	314	238
29	63	3.8	2.9	5.2	-	78	40	.6	1.3	208	410	191
30	46	3.7	2.9	4.8	-	52	30	.6	1.0	164	398	136
31	34	-	3.1	4.6	-	37	-	.4	-	111	463	-
Total	3,258	260.0	121.6	123.6	520.5	2,311.7	2,079	475.9	27.3	981.9	4,417	8,422
Mean	105	8.67	3.92	3.99	18.6	74.6	69.3	15.4	0.91	31.7	142	281
Cfsm	3.28	0.271	0.122	0.125	0.581	2.33	2.17	0.481	0.028	0.991	4.44	8.78
In.	3.79	0.30	0.14	0.14	0.60	2.69	2.42	0.55	0.03	1.14	5.13	9.79

Calendar year 1952: Max 398 Min 0.1 Mean 22.7 Cfsm 0.709 In. 9.68
Water year 1952-53: Max 488 Min 0.3 Mean 63.0 Cfsm 1.97 In. 26.72

Peak discharge (base, 400 cfs, revised).--Oct. 21 (10:30 a.m.) 410 cfs (12.68 ft); Mar. 22 (8 p.m.) 464 cfs (13.35 ft); Aug. 31 (6 p.m.) 506 cfs (13.73 ft); Sept. 7 (10:30 p.m.) 529 cfs (13.92 ft).
* Discharge measurement made on this day.

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 24 ft upstream from bridge on U. S. Highway 192, 1½ miles west of city hall in Melbourne, and 2½ miles upstream from Indian River.

Drainage area.--12.6 sq mi.

Records available.--March 1951 to September 1953.

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

Extremes.--Maximum discharge during year, 444 cfs Oct. 21 (gage height, 8.94 ft), from rating curve extended above 200 cfs on basis of velocity-area studies; minimum, 3.9 cfs July 4; minimum gage height, 2.83 ft Jan. 29, 30.
1951-53: Maximum discharge, that of Oct. 21, 1952; minimum, 1.8 cfs June 25, 26, 27, 28, 1951; minimum gage height, 2.79 ft June 27, 28, 1951.

Remarks.--Records fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 11 to Aug. 1, Aug. 24 to Sept. 13)

Oct. 1-27				Oct. 28 to Sept. 30			
3.4	12	6.0	124	2.67	4.0	5.0	73
4.0	31	7.0	204	3.0	9.3	6.4	149
5.0	72	8.0	315	4.0	40		

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	37	a50	8.9	7.5	6.9	8.4	10	11	7.7	4.0	8.8	48
2	71	a45	8.6	7.5	7.2	8.4	10	11	7.4	4.0	8.4	37
3	48	a42	8.6	7.5	7.9	8.2	9.9	9.9	7.4	4.2	7.9	*48
4	31	a38	8.4	7.4	7.9	8.0	9.7	9.5	7.7	4.0	7.7	38
5	28	a34	8.2	7.4	7.7	8.0	9.5	9.3	7.9	4.2	11	33
6	26	a32	8.2	7.4	7.7	8.0	9.3	8.6	7.7	4.2	15	30
7	*22	a30	8.4	7.4	8.9	8.4	12	9.3	7.7	4.5	*11	33
8	*21	a26	8.4	7.2	19	8.2	13	10	7.5	4.5	9.5	59
9	18	a24	8.0	7.7	16	8.2	12	11	6.9	6.3	9.3	65
10	15	a23	8.4	8.0	13	8.8	11	9.9	6.8	6.9	9.1	59
11	14	a22	8.6	8.0	11	8.9	12	9.1	6.4	6.3	9.9	51
12	12	a21	8.4	7.7	11	9.7	28	8.8	6.0	5.7	9.5	47
13	14	a21	8.2	*7.2	*9.9	11	27	8.6	5.8	5.6	8.9	46
14	12	a21	8.6	7.2	9.1	11	28	8.0	5.6	5.2	8.8	46
15	12	a20	8.9	7.0	8.9	9.7	22	*8.4	5.4	5.0	8.6	49
16	15	a19	8.9	7.4	8.6	9.1	17	8.8	5.4	5.0	8.6	64
17	17	a18	8.8	7.5	8.6	8.9	14	8.6	5.2	5.1	8.8	95
18	41	*16	8.8	7.5	8.2	8.8	13	8.6	5.2	5.6	9.1	*111
19	65	14	8.6	7.5	8.6	8.6	13	8.6	6.2	6.0	8.9	138
20	180	15	8.4	7.4	8.0	8.4	12	8.8	5.8	5.4	8.9	146
21	*310	16	8.2	7.7	8.2	8.4	11	8.6	5.4	5.4	9.3	112
22	*185	14	8.2	7.5	8.4	8.0	11	8.6	*5.4	7.1	11	96
23	*102	13	8.0	7.4	8.9	12	10	8.8	4.4	9.1	30	80
24	73	11	8.0	7.4	9.1	*23	9.7	8.6	4.5	8.9	34	72
25	57	11	8.0	7.2	8.9	22	9.7	8.9	4.2	13	48	67
26	98	9.9	8.0	7.0	8.8	17	15	8.9	6.0	11	46	63
27	106	10	7.9	6.9	8.6	14	17	9.3	6.2	13	55	69
28	98	9.9	8.0	6.8	8.4	12	14	9.3	5.2	11	88	74
29	72	9.5	7.9	6.8	-	11	12	8.8	4.4	10	98	67
30	59	9.1	7.9	6.6	-	11	11	8.2	4.2	9.9	65	61
31	a54	-	7.9	6.8	-	10	-	7.9	-	9.3	66	-
Total	1,913	644.4	258.5	227.5	263.4	325.1	412.8	281.7	181.6	209.4	738.0	2,004
Mean	61.7	21.5	8.34	7.34	9.41	10.5	13.8	9.09	6.05	6.75	23.8	66.8
Cfsm	4.90	1.71	0.662	0.583	0.747	0.833	1.10	0.721	0.480	0.536	1.89	5.30
In.	5.65	1.90	0.76	0.67	0.78	0.96	1.22	0.83	0.54	0.62	2.18	5.91

Calendar year 1952: Max 310 Min 2.4 Mean 13.6 Cfsm 1.08 In. 14.75
Water year 1952-53: Max 310 Min 4.0 Mean 20.4 Cfsm 1.62 In. 22.02

Peak discharge (base, 100 cfs).--Oct. 21 (6:30 a.m.) 444 cfs (8.94 ft); Oct. 26 (11 p.m.) 269 cfs (7.62 ft); Aug. 28 (8:30 p.m.) 135 cfs (6.38 ft); Sept. 20 (1 a.m.) 191 cfs (6.87 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.

North Canal near Vero Beach, Fla.

Location.--Lat 27°41'32", long. 80°24'53", in SE¼ 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 1953 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, 417 cfs Sept. 18; maximum gage height, 8.37 ft Oct. 18; minimum daily, 8 cfs July 9.
1950-53: Maximum discharge, 456 cfs Oct. 2, 1951 (gage height, 9.6 ft, present datum, at site then in use, from graph based on fragmentary gage-height record); minimum daily, 3 cfs July 1, 2, 1952.

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

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	29	36	15	17	13	12	20	18	*14	11	44	50
2	23	32	15	17	13	12	19	16	15	11	36	34
3	19	30	15	15	15	12	19	15	14	12	*32	61
4	19	28	15	14	14	*13	19	15	16	11	28	76
5	37	26	16	12	13	14	19	14	19	10	27	45
6	47	24	15	d11	14	14	19	14	20	9	24	50
7	35	23	16	d10	13	15	22	14	26	9	21	112
8	30	21	15	d10	14	15	29	17	22	9	22	136
9	36	20	15	d12	13	15	24	20	17	8	33	115
10	35	20	*16	14	13	15	21	18	15	10	30	125
11	31	19	18	13	*13	16	20	*16	14	10	30	77
12	27	18	19	d12	13	18	18	15	14	11	23	53
13	25	18	23	d12	13	18	19	14	13	10	20	39
14	26	18	26	d12	12	30	21	14	13	*11	19	34
15	27	18	26	d12	12	23	19	13	12	12	18	35
16	26	18	25	d12	12	19	*18	13	12	15	18	*86
17	36	17	25	d11	12	17	16	13	10	14	24	187
18	242	18	23	d11	12	17	16	13	10	15	27	258
19	215	*19	24	d11	12	16	28	13	9	17	37	385
20	209	20	21	*d11	12	15	26	14	10	18	54	226
21	185	20	21	12	13	16	21	14	10	23	36	114
22	123	19	20	12	12	20	18	15	10	35	46	76
23	107	18	20	11	12	36	17	15	*10	56	30	75
24	111	18	19	11	12	45	16	15	10	54	27	66
25	222	17	17	11	12	33	15	15	10	77	104	46
26	157	16	18	10	12	*27	18	14	10	114	129	42
27	125	16	18	10	11	24	27	14	10	146	*107	58
28	*79	16	17	9	11	22	23	14	11	131	82	74
29	55	15	*16	11	-	21	20	15	11	123	142	63
30	44	15	16	11	-	20	19	15	11	71	92	123
31	39	-	17	13	-	20	-	14	-	51	84	-
Total	2,421	613	582	370	353	610	606	459	398	1,114	1,446	2,921
Mean	78.1	20.4	18.8	11.9	12.6	19.7	20.2	14.8	13.3	35.9	46.6	97.4
Ac-ft	4,800	1,220	1,150	734	700	1,210	1,200	910	789	2,210	2,870	5,790

Calendar year 1952: Max 242 Min 3 Mean 23.6 Ac-ft 17,150
Water year 1952-53: Max 385 Min 8 Mean 32.6 Ac-ft 23,580

* Discharge measurement made on this day.
d Doubtful gage-height record; discharge computed from reconstructed gage-height graph based on recorded graph.

Main Canal at Vero Beach, Fla.

Location.--Lat 27°38'54", long. 80°24'10", in SE¼ 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 1953 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, 835 cfs Sept. 18 (gage height, 12.22 ft); minimum, 18 cfs May 16-18 (gage height, 8.53 ft).
1950-53: Maximum discharge, 1,380 cfs Oct. 18, 1950 (gage height, 13.1 ft, present datum); minimum, 12 cfs Oct. 10-13, 1950 (gage height, 8.5 ft, present datum).
Flood of Oct. 18, 1950, was highest recorded since January 1949.

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

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 23-28)

Oct. 1 to Aug. 31				Sept. 1-30			
8.5	11	9.5	173	8.9	56	11.5	630
8.7	31	10.0	292	9.5	153	12.1	800
9.0	74	10.9	541	10.5	366		

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	63	113	26	35	26	22	24	28	*27	30	96	133
2	51	96	26	35	26	23	24	26	28	28	92	108
3	44	83	27	38	36	26	24	23	26	28	*81	118
4	44	74	28	35	38	*24	24	22	31	26	69	200
5	58	66	29	34	31	23	24	21	34	24	61	140
6	69	61	32	31	30	28	24	21	38	27	57	110
7	64	61	29	28	29	28	26	22	74	29	50	133
8	61	58	32	29	36	28	29	26	51	27	51	160
9	74	52	*40	34	35	28	28	41	39	26	64	157
10	71	51	40	45	31	28	28	31	30	23	57	144
11	60	51	45	34	*30	29	28	*26	28	23	52	116
12	52	45	43	29	28	35	29	22	26	28	52	90
13	48	44	44	27	27	41	32	20	23	*32	47	74
14	57	43	41	27	26	61	40	21	24	27	44	66
15	74	43	41	27	26	43	32	20	23	24	43	61
16	79	39	40	27	24	35	*29	19	24	24	43	*256
17	171	36	36	28	23	30	23	18	35	23	44	425
18	491	35	32	26	22	28	22	18	38	21	48	537
19	412	*36	31	23	22	24	26	20	32	21	45	786
20	482	38	31	*24	23	23	29	22	31	21	57	627
21	420	36	31	24	23	23	28	22	30	22	57	424
22	280	35	32	24	22	31	26	22	28	32	79	286
23	240	34	34	24	22	50	24	22	*34	92	71	240
24	292	30	34	28	22	54	22	24	34	150	58	195
25	526	29	32	27	23	43	21	26	30	148	68	158
26	366	28	30	23	23	*36	30	26	30	148	96	131
27	360	28	31	23	22	32	39	26	36	216	107	177
28	247	28	30	23	22	31	34	26	43	184	*103	177
29	*184	27	*28	23	-	29	30	26	40	202	202	158
30	144	26	29	20	-	24	29	26	35	139	182	247
31	123	-	35	22	-	26	-	24	-	119	186	-
Total	5,707	1,426	1,039	877	748	984	828	737	1,002	1,984	2,362	6,650
Mean	184	47.5	33.5	28.3	26.7	31.7	27.6	23.8	33.4	63.4	76.2	222
Ac-ft	11,320	2,830	2,060	1,740	1,480	1,950	1,640	1,460	1,990	3,900	4,680	13,190

Calendar year 1952: Max 526 Min 16 Mean 49.6 Ac-ft 35,970
Water year 1952-53: Max 786 Min 18 Mean 66.6 Ac-ft 48,240

* Discharge measurement made on this day.

South Canal near Vero Beach, Fla.

Location.--Lat 27°36'14", long. 80°23'13", in SE¼ 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 1953 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, 446 cfs Oct. 25; maximum gage height, 8.32 ft Sept. 18; minimum daily, 6 cfs May 30, 31; minimum gage height, 3.36 ft Dec. 7.
1950-53: Maximum discharge, 707 cfs Oct. 18, 1950 (gage height, 9.9 ft, present datum); minimum daily, 4 cfs June 15, 1951; minimum gage height, 2.43 ft June 3, 4, 1952.
Flood of Oct. 18, 1950, was highest recorded since January 1949.

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

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	34	53	23	21	18	17	15	17	*11	13	41	47
2	30	47	23	23	18	17	15	16	11	12	36	38
3	28	43	22	23	26	17	15	16	7	12	*34	59
4	28	40	22	19	24	*16	15	15	30	13	30	127
5	30	38	23	22	21	13	16	16	30	15	28	63
6	47	36	23	21	19	13	17	16	34	25	28	44
7	47	34	20	19	17	21	17	17	48	22	26	51
8	47	32	20	19	22	16	19	28	28	16	24	51
9	68	31	*21	23	22	23	19	37	20	15	25	82
10	62	30	28	28	19	32	17	24	16	13	25	86
11	53	30	32	21	*17	30	16	*20	15	11	24	71
12	51	29	30	19	17	30	17	17	14	11	24	51
13	51	30	31	17	16	30	29	16	14	*11	21	39
14	54	29	28	17	16	34	30	15	13	11	20	33
15	74	28	30	17	16	26	23	15	13	8	19	47
16	91	28	29	17	16	21	20	14	14	10	19	188
17	195	29	28	19	16	19	*18	13	20	14	24	*204
18	379	30	23	18	15	18	18	12	24	13	34	243
19	304	*28	22	17	14	15	18	15	20	12	26	349
20	374	28	22	*17	15	14	19	14	21	14	22	246
21	311	28	22	17	18	15	17	14	17	14	20	129
22	189	26	21	17	17	22	16	17	14	22	18	69
23	177	26	23	18	16	24	16	20	*15	68	16	59
24	308	25	22	23	17	28	15	18	15	92	16	48
25	396	24	22	21	16	25	15	16	13	78	28	40
26	247	24	20	19	16	*22	21	16	14	66	55	38
27	219	23	23	19	16	20	28	15	17	144	*58	53
28	*129	23	20	18	16	18	22	12	21	108	68	49
29	86	23	21	17	-	17	20	9	18	133	108	45
30	69	23	21	16	-	16	19	6	15	69	79	79
31	59	-	*22	17	-	15	-	6	-	56	68	-
Total	4,237	918	737	599	496	642	562	502	562	1,122	1,064	2,728
Mean	137	30.6	23.8	19.3	17.7	20.7	18.7	16.2	18.7	36.2	34.3	90.9
Ac-ft	8,400	1,820	1,460	1,190	984	1,270	1,110	996	1,110	2,230	2,110	5,410

Calendar year 1952: Max 396 Min 11 Mean 32.5 Ac-ft 23,590
Water year 1952-53: Max 396 Min 6 Mean 38.8 Ac-ft 28,090

* 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 NW¼ sec. 4, T. 36 S., R. 40 E., on left bank 10 ft upstream from bridge on State Highway 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 1953 (discharge measurements).

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

Extremes.--1952-53: Maximum discharge measured, 755 cfs Oct. 30, 1952; no flow observed Feb. 26, 1953; reverse flow occurred at times on several days during year caused by tidal 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.

Pairs of discharge measurements, in cubic feet per second, made approximately at maximum and minimum discharge of tidal cycle of day shown, October 1952 to September 1953

Date	Maximum	Minimum	Mean
Oct. 30	755	-	755
Nov. 25	450	282	366
Dec. 30	306	28.2	167
Jan. 30	185	91.2	138
Feb. 26	192	0	96
Mar. 26	341	177	259
Apr. 20	236	122	179
May 18	182	43.6	113
June 18	226	3.5	115
July 16	311	187	249
Aug. 11	456	375	416
Sept. 3	536	425	480

Diversion canal near White City, Fla.

Location.--Lat 27°20', long. 80°31', in NW¼ sec. 23, T. 36 S., R. 38 E., on right bank 10 ft downstream from bridge on Ideal Holding Company Road, and 12 miles west of White City.

Records available.--October 1952 to September 1953 (discharge measurements).

Gage.--Water-stage recorder. Datum of gage is 17.11 ft above mean sea level, datum of 1929.

Extremes.--1952-53: Maximum discharge measured, 326 cfs Nov. 25, 1952; minimum discharge measured, 5.4 cfs May 18, 1953.

Remarks.--Flow regulated and diverted for agricultural purposes by several pumps and control structures upstream and downstream from gage.

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

Oct. 28..... 186	Feb. 26..... 38.0	June 18..... 20.1
Nov. 25..... 326	Mar. 25..... 98.6	July 15..... 66.7
Dec. 30..... 35.8	Apr. 20..... 45.1	Aug. 10..... 84.5
Jan. 29..... 15.4	May 18..... 5.4	Sept. 4..... 184

Lake Okeechobee, Fla.

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

Records available.--October 1931 to September 1953 in reports of Geological Survey. 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 Jan. 1, 1951, seven staff gages at various locations on rim of lake at same datum.

Extremes.--1931-53: Maximum gage height observed, 20.1 ft, present datum, Sept. 4, 1933; minimum observed, 10.3 ft, present datum, May 17, 1932.

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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14.11	15.79	15.24	15.19	15.22	14.82	14.15	13.75	12.89	13.31	13.96	14.28
2	14.12	15.76	15.26	15.23	15.26	14.92	14.16	13.75	12.91	13.32	13.98	14.34
3	14.15	15.73	15.28	15.24	15.32	14.91	14.18	13.69	12.92	13.32	13.98	14.36
4	14.12	15.72	15.28	15.15	15.34	14.88	14.11	13.70	12.94	13.40	13.94	14.44
5	14.15	15.68	15.27	15.23	15.30	14.86	14.07	13.57	12.92	13.38	14.00	14.51
6	14.14	15.69	15.28	15.17	15.32	14.81	14.03	13.54	13.12	13.40	14.01	14.53
7	14.27	15.67	15.26	15.17	15.30	14.81	14.04	13.50	13.15	13.39	13.97	14.67
8	14.35	15.62	15.25	15.18	15.26	14.77	13.77	13.46	13.13	13.39	13.99	14.76
9	14.37	15.56	15.26	15.20	15.29	14.68	13.98	13.52	13.11	13.40	13.97	14.82
10	14.42	15.57	15.27	15.27	15.30	14.67	13.95	13.48	13.10	13.40	13.91	14.92
11	14.58	15.57	15.20	15.27	15.25	14.63	13.77	13.41	13.10	13.42	13.91	14.97
12	14.56	15.51	15.22	15.18	15.25	14.65	14.04	13.41	13.08	13.34	13.88	15.03
13	14.45	15.53	15.26	15.22	15.23	14.64	13.95	13.38	13.09	13.38	13.87	15.04
14	14.50	15.49	15.24	15.21	15.23	14.65	14.05	13.37	13.13	13.36	13.85	15.09
15	14.53	15.47	15.20	15.25	15.25	14.65	14.21	13.31	13.09	13.41	13.86	15.14
16	14.59	15.43	15.17	15.26	15.18	14.61	14.25	13.31	13.10	13.41	13.92	15.24
17	14.65	15.38	15.52	15.25	15.16	14.53	14.09	13.23	13.16	13.43	13.88	15.34
18	14.77	15.34	15.20	15.25	15.10	14.61	13.99	13.21	13.12	13.42	13.85	15.40
19	14.88	15.31	15.22	15.25	15.11	14.52	14.15	13.15	13.15	13.44	13.86	15.49
20	15.00	15.34	15.17	15.24	15.08	14.47	13.91	13.15	13.18	13.42	13.88	15.59
21	14.91	15.31	15.18	15.21	15.07	14.44	13.93	13.24	13.18	13.40	13.84	15.63
22	15.70	15.31	15.18	15.28	15.06	14.50	13.88	13.18	13.21	13.40	13.83	15.71
23	15.54	15.32	15.18	15.26	15.08	14.51	13.86	13.13	13.20	13.42	13.85	15.78
24	15.60	15.30	15.19	15.43	15.08	14.43	13.85	13.11	13.20	13.51	13.78	15.80
25	15.65	15.27	15.19	15.22	15.05	14.42	13.82	13.08	13.17	13.58	13.83	15.87
26	15.72	15.26	15.18	15.22	15.04	14.38	13.89	13.07	13.20	13.60	13.80	15.95
27	15.75	15.26	15.16	15.27	15.02	14.34	13.77	13.07	13.14	13.67	13.79	16.04
28	15.81	15.21	15.14	15.26	14.95	14.29	13.80	13.00	13.29	13.66	13.82	16.02
29	15.81	15.26	15.19	15.26	-	14.24	13.75	12.97	13.32	13.73	13.91	16.03
30	15.80	15.26	15.22	15.25	-	14.23	13.74	12.96	13.37	13.83	13.98	16.04
31	15.76	-	15.25	15.26	-	14.18	-	12.91	-	13.94	14.18	-

Note.--Figures in above table are means of readings from 3 gages.

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 1953.
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.--22 years, 265 cfs.
Extremes.--Maximum discharge during year, 6,200 cfs Aug. 30; maximum gage height, 7.77 ft Oct. 21; no flow Apr. 30 to June 5.
1931-53: 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.
Revisions.--WSP 1234: Drainage area.

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	297	648	92	35	48	23	2.0		0	1,610	1,260	g2,980
2	278	592	86	36	48	20	1.7		0	1,160	1,510	g2,040
3	239	550	84	35	77	19	1.5		0	897	1,340	1,850
4	228	498	79	33	77	17	1.4	(*)	0	742	1,450	2,510
5	242	455	75	31	71	15	1.2		0	669	1,180	4,090
6	289	420	69	30	66	14	.9		.3	606	1,210	3,330
7	361	381	65	29	61	12	.8		3.6	492	1,510	2,950
8	437	345	61	28	71	11	.6		3,780	431	g1,450	*3,370
9	*530	315	57	45	*77	9.5	.5		3,640	414	g1,360	3,820
10	530	292	54	109	77	8.3	.4		2,190	350	g1,240	3,540
11	564	269	52	152	84	7.2	.3		1,400	431	g1,150	3,400
12	557	243	48	133	90	7.6	.1		936	511	g949	3,020
13	537	230	44	122	92	17	7.4		705	511	g804	2,400
14	498	223	43	117	92	15	16		537	473	g727	g2,040
15	511	215	44	114	95	12	8.5		*408	461	g845	g1,920
16	804	197	*46	106	95	9.3	5.7		320	437	g813	g1,710
17	1,240	178	44	99	86	7.8	4.4		252	392	g804	1,630
18	1,990	160	41	89	77	6.4	3.5		197	340	g764	1,980
19	2,070	147	40	80	70	5.2	2.8		160	325	g676	2,980
20	3,440	141	39	74	64	4.4	2.1		152	386	g599	3,740
21	4,820	*144	38	69	56	4.0	1.6		187	408	564	3,120
22	4,090	139	36	64	50	4.8	1.4		212	467	537	2,430
23	*3,370	133	34	59	46	5.5	1.0		335	473	734	2,250
24	2,480	126	34	66	42	5.2	.7		837	990	962	1,970
25	1,830	120	33	73	38	*4.2	.5		1,400	975	990	1,670
26	1,360	114	32	71	33	3.8	.5		3,060	2,020	1,030	1,450
27	1,140	109	31	68	30	3.8	.4		4,710	2,680	2,020	1,410
28	1,000	104	31	64	26	3.6	.2		4,750	2,400	g3,260	1,690
29	884	99	30	59	-	3.3	.1		3,640	1,630	g3,710	1,990
30	780	95	29	54	-	2.6	0		2,380	1,240	g5,710	2,040
31	712	-	*30	51	-	2.3	-		-	*1,180	g4,580	-
Total	38,108	7,682	1,523	2,197	1,839	283.8	68.2	0	36,191.9	26,101	45,738	75,280
Mean	1,229	256	49.1	70.9	65.7	9.15	2.27	0	1,206	842	1,475	2,509
Cfsm	2.83	0.589	0.113	0.163	0.151	0.021	0.0052	0	2.77	1.94	3.39	5.77
In.	3.26	0.66	0.13	0.19	0.16	0.02	0.006	0	3.09	2.23	3.91	6.44

Calendar year 1952: Max 4,820 Min 0 Mean 200 Cfsm 0.460 In. 6.26
Water year 1952-53: Max 5,710 Min 0 Mean 644 Cfsm 1.48 In. 20.10

Peak discharge (base, 1,500 cfs).--Oct. 21 (8 a.m.) 4,920 cfs (7.77 ft); June 8 (3 p.m.) 4,710 cfs (7.38 ft); June 27 (10 p.m.) 4,990 cfs (7.42 ft); July 27 (5:30 p.m.) 3,260 cfs (6.99 ft); Aug. 2 (9 a.m.) 1,570 cfs (6.43 ft); Aug. 7 (6 a.m.) 1,550 cfs (6.42 ft); Aug. 30 (2 p.m.) 6,200 cfs (7.75 ft); Sept. 5 (10 a.m.) 4,160 cfs (7.20 ft); Sept. 9 (7 p.m.) 3,920 cfs (7.16 ft); Sept. 20 (8 a.m.) 3,880 cfs (7.26 ft).
* Discharge measurement or observation of no flow made on this day.
g Computed from once- or twice-daily staff-gage readings and recorded range in stage.

Brick-Alligator Canal near Ashton, Fla.

Location.--Lat 28°10'40", long. 81°12'26", in sec. 34, T. 26 S., R. 31 E., near center span at downstream side of highway bridge, 2,200 ft northwest of Brick Lake and 5 miles southeast of Ashton.
Records available.--December 1949 to September 1953 (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.--1949-53: Maximum discharge measured, 132 cfs Oct. 19, 1950; reverse flow observed Jan. 23, May 29, 1952.
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 1952 to September 1953

Oct. 2	46.8	Apr. 23	55.8
Nov. 13	32.0	June 3	a.1
Dec. 17	25.3	July 20	4.53
Feb. 5	32.0	Aug. 24	75.2
Mar. 18	20.6	Sept.17	0

a Field estimate.

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.--31.4 sq mi (excludes area drained by Brick Lake).
Records available.--December 1949 to September 1953 (discharge measurements only).
Gage.--Water-stage recorder. Datum of gage is 58.98 ft (revised) above mean sea level, datum of 1929 (levels by Corps of Engineers).
Extremes.--1949-53: Maximum discharge measured, 93.5 cfs Dec. 12, 1951; 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 1952 to September 1953

Nov. 13	85.4	June 3	53.2
Dec. 16	77.0	July 21	29.6
Feb. 5	55.0	Aug. 25	45.6
Mar. 18	59.1	Sept.17	0
Apr. 23	71.8		

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 36 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.--118 sq mi.
Records available.--November 1949 to September 1953.
Gage.--Water-stage recorder. Datum of gage is 57.08 ft (corrected) above mean sea level (levels by Corps of Engineers).
Extremes.--Maximum discharge during year, 701 cfs Sept. 30 (gage height, 7.66 ft); minimum, 57 cfs July 11 (gage height, 2.88 ft).
1949-53: Maximum discharge, that of Sept. 30, 1953; maximum gage height, that of Sept. 30, 1953; minimum discharge, 1.8 cfs July 1, 1950 (gage height, 1.88 ft).
Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 17 to Feb. 3o)

2.9	58	6.0	429
3.5	102	7.7	708
4.0	152		

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	*185	390	181	117	119	120	122	179	66	61	141	396
2	181	382	179	117	120	118	120	173	66	59	144	403
3	180	372	174	115	126	116	119	167	*66	61	156	434
4	178	361	171	112	*127	114	118	162	67	65	153	533
5	173	352	168	112	128	109	116	153	69	64	171	543
6	170	340	164	110	128	106	115	145	71	63	173	543
7	168	330	160	109	130	106	116	141	74	62	170	544
8	167	316	156	110	146	104	119	141	74	62	166	570
9	163	306	153	116	153	99	119	140	73	60	173	581
10	159	296	150	119	156	98	119	138	71	59	174	*606
11	153	*287	144	119	155	94	118	132	71	60	176	611
12	148	278	142	119	156	94	137	129	71	68	172	608
13	144	269	140	120	153	101	210	124	70	71	166	599
14	145	259	141	120	153	100	237	120	69	71	159	587
15	181	251	139	121	152	100	248	116	68	69	152	579
16	194	241	137	121	151	98	254	114	68	*68	146	573
17	199	233	137	120	150	*95	255	110	69	66	144	*596
18	210	227	*133	120	146	93	255	106	67	65	150	613
19	216	220	132	118	144	91	252	103	66	65	158	638
20	254	218	130	118	143	89	250	99	65	66	173	662
21	307	223	129	119	141	89	244	96	64	74	207	660
22	344	220	126	120	140	98	*237	93	67	83	224	659
23	373	216	126	121	139	111	230	90	74	106	234	662
24	386	212	125	124	137	124	224	87	74	121	243	667
25	394	208	123	122	133	125	215	85	72	131	255	662
26	400	203	122	122	130	126	211	82	71	150	*293	654
27	413	198	120	122	127	126	208	79	69	154	303	672
28	416	194	118	122	123	126	201	76	67	155	322	694
29	413	191	116	120	-	125	193	73	65	155	349	698
30	405	185	116	119	-	124	187	71	63	151	366	*700
31	399	-	118	120	-	123	-	68	-	146	385	-
Total	7,818	7,978	4,370	3,664	3,906	3,342	5,549	3,592	2,067	2,711	6,398	17,947
Mean	252	266	141	118	140	108	185	116	68.9	87.5	206	598
Cfsm	2.14	2.25	1.19	1.00	1.19	0.915	1.57	0.983	0.584	0.742	1.75	5.07
In.	2.46	2.51	1.38	1.15	1.23	1.05	1.75	1.13	0.65	0.85	2.02	5.66

Calendar year 1952: Max 416 Min 41 Mean 128 Cfsm 1.08 In. 14.72
Water year 1952-53: Max 700 Min 59 Mean 190 Cfsm 1.61 In. 21.84

* Discharge measurement made on this day.

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.--128 sq mi (includes area drained by Econlockhatchee Headwaters Canal above point of diversion).

Records available.--May 1942 to September 1953 (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.--1942-53: 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 1952 to September 1953

Oct. 1	225	Apr. 22	274
Nov. 11	322	June 2	60.4
Dec. 18	127	July 16	62.8
Feb. 4	125	Aug. 26	320
Mar. 17	101	Sept.30	257

Ajay-East Tohopekaliga Canal near Narcoossee, Fla.
(Formerly published as Hart-East Tohopekaliga Canal near Narcoossee)

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.--181 sq mi.

Records available.--May 1942 to September 1953 (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.--1942-53: 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 1952 to September 1953

Oct. 1	186	Apr. 22	387
30	508	June 3	39.8
Nov. 11	440	July 21	8.54
Dec. 18	170	Aug. 26	330
Feb. 5	172	Sept.17	762
Mar. 17	127	30	1,050

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 upstream 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 1953.

Gage.--Staff gage read 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.

Extremes.--Maximum discharge during year, 969 cfs Sept. 30 (gage height, 9.06 ft); minimum, 162 cfs Oct. 11, 12; minimum gage height, 3.17 ft Oct. 1, 2, 3.
1950-53: Maximum discharge, that of Sept. 30, 1953; minimum observed, 27 cfs Aug. 29, 1950 (gage height, 1.18 ft).
1942-53: Maximum discharge measured, 1,140 cfs Sept. 19, 1945 (gage height, 9.08 ft); no flow on May 25, 1949.

Remarks.--Records good.

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	165	272	337	276	231	227	210	352	*242	251	250	413
2	*165	278	334	273	*227	227	210	351	244	248	250	423
3	164	283	332	271	227	225	208	346	240	246	250	429
4	164	288	331	269	225	224	207	341	239	244	252	436
5	163	296	326	268	224	221	207	338	240	241	255	440
6	164	299	327	264	227	218	205	336	243	239	260	451
7	164	308	326	266	231	217	218	341	248	236	262	453
8	165	314	323	266	243	215	217	345	252	235	265	470
9	165	318	321	272	247	214	215	346	251	232	267	485
10	164	*322	318	270	247	214	214	342	249	230	271	501
11	162	326	315	266	247	213	212	333	247	231	274	*506
12	163	326	310	264	245	212	210	327	247	229	276	517
13	164	328	309	262	243	210	273	322	250	227	277	521
14	168	331	312	262	241	208	294	317	250	224	276	*544
15	174	331	308	261	241	206	314	314	249	222	275	539
16	179	332	*303	261	239	203	323	310	251	220	275	574
17	180	333	299	258	239	*202	329	306	252	215	275	600
18	181	336	297	254	239	199	333	303	249	214	278	627
19	188	336	293	251	237	198	337	298	251	212	285	688
20	203	337	290	250	235	195	342	293	249	*210	286	723
21	208	342	289	248	235	194	*346	290	247	208	289	747
22	212	342	289	246	237	198	345	286	245	207	299	774
23	214	344	286	244	240	211	344	282	242	210	310	793
24	219	345	285	245	237	222	341	278	241	214	*313	*809
25	224	342	284	243	235	220	344	273	241	222	317	816
26	230	340	282	241	233	218	345	270	244	241	323	828
27	239	338	281	239	231	217	350	267	254	247	329	889
28	246	337	279	238	229	215	355	262	254	249	342	944
29	250	336	277	236	-	214	357	259	254	250	364	*960
30	*258	337	274	234	-	214	354	256	251	250	398	966
31	264	-	276	232	-	212	-	252	-	253	391	-
Total	5,969	9,697	9,413	7,930	6,612	6,583	8,559	9,536	7,416	7,157	9,034	18,866
Mean	193	323	304	256	236	212	285	308	247	231	291	629
Cfsm	0.643	1.08	1.01	0.853	0.787	0.707	0.950	1.03	0.823	0.770	0.970	2.10
In.	0.74	1.20	1.17	0.98	0.82	0.82	1.06	1.18	0.92	0.89	1.12	2.34

Calendar year 1952: Max 453 Min 112 Mean 242 Cfsm 0.807 In. 10.98
Water year 1952-53: Max 966 Min 162 Mean 293 Cfsm 0.977 In. 13.24

* Discharge measurement made on this day.
Note.--Discharge for period June 5 to Sept. 10 was computed on basis of gage-height record for East Tohopekaliga Lake at St. Cloud.

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.--541 sq mi.

Records available.--May 1942 to December 1949 (discharge measurements only), January 1950 to September 1953.

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.

Extremes.--Maximum daily discharge during year, 2,440 cfs Sept. 29, 30; maximum daily reverse flow, about 228 cfs Oct. 23; minimum gage height, 3.20 ft Oct. 6.
1942-53: Maximum daily discharge, that of Sept. 29, 30, 1953; maximum reverse flow, that of Oct. 23, 1952.

Remarks.--Records good except those for period of reverse flow, which are poor.

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	206	235	338	341	290	302	303	511	367	362	429	1,230
2	201	255	336	332	290	305	301	506	*367	353	428	1,280
3	197	259	340	348	*311	300	301	502	365	353	428	1,320
4	190	274	346	336	313	296	304	492	358	354	431	1,410
5	191	265	343	321	311	311	299	485	357	350	441	1,460
6	190	268	349	324	304	303	278	477	374	351	449	1,490
7	211	292	340	324	305	304	314	492	405	346	463	1,520
8	206	285	337	319	325	303	321	505	407	342	470	1,580
9	217	282	341	321	307	305	313	513	405	337	484	1,600
10	217	281	347	329	302	285	315	505	405	334	490	1,630
11	221	292	373	342	296	289	311	496	407	330	498	*1,640
12	223	*300	339	336	296	299	313	488	405	357	505	1,630
13	212	302	341	324	307	302	366	482	393	337	498	1,610
14	210	304	357	321	294	294	409	474	395	341	496	1,620
15	208	308	363	319	315	298	413	469	387	*339	489	1,620
16	208	310	*348	319	309	300	459	459	391	340	506	1,640
17	209	310	342	317	307	298	472	452	395	334	516	1,700
18	207	312	344	313	319	288	478	444	389	326	554	1,790
19	200	307	342	319	301	*291	509	445	385	324	624	1,880
20	204	311	333	311	296	289	541	443	380	323	657	1,950
21	77	321	346	308	307	294	*522	434	374	321	732	2,000
22	-216	311	341	298	315	312	522	429	364	323	777	2,080
23	-228	314	339	284	319	315	518	423	361	335	811	*2,190
24	-225	319	336	303	311	326	518	418	359	351	853	2,210
25	-210	322	335	309	309	331	513	410	359	381	*879	2,220
26	-204	326	335	290	310	321	532	412	362	403	934	2,170
27	60	328	338	285	316	309	538	407	362	410	976	2,260
28	159	347	346	287	312	306	524	399	366	417	1,020	2,430
29	*240	334	334	296	-	309	508	383	362	423	1,080	2,440
30	*244	337	326	290	-	300	506	376	360	423	1,140	2,440
31	213	-	334	290	-	300	-	375	-	433	1,180	-
Total	4,038	9,011	10,609	9,756	8,597	9,385	12,521	14,106	11,366	11,053	20,238	54,040
Mean	130	300	342	315	307	303	417	455	379	357	653	1,801
Cfsm	0.240	0.555	0.632	0.582	0.567	0.560	0.771	0.841	0.701	0.660	1.21	3.33
In.	0.28	0.62	0.73	0.67	0.59	0.65	0.86	0.97	0.78	0.76	1.39	3.71

Calendar year 1952: Max 766 Min -228 Mean 368 Cfsm 0.680 In. 9.26
Water year 1952-53: Max 2,440 Min -228 Mean 479 Cfsm 0.885 In. 12.01

* Discharge measurement made on this day.
Note.--Negative sign indicates reverse flow caused by relative high discharges from Canoe Creek downstream.

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.--82.8 sq mi (includes area drained by Brick Lake).

Records available.--November 1949 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 48.17 ft above mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--Maximum discharge during year, 1,140 cfs Sept. 29 (gage height, 11.03 ft); minimum, 1.7 cfs July 21; minimum gage height, 4.25 ft, June 3.
1949-53: 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 of 1935 (before canal was opened) reached a stage of 13.5 ft, from information by Florida State Road Department.

Remarks.--Records good above 10 cfs and fair below except for days of no gage-height or doubtful gage-height record, which are poor. Records do not include diversions through Brick-Alligator Canal above station.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 10				Nov. 11 to Feb. 16, June 13 to Sept. 30				Feb. 17 to June 12			
6.5	73	9.5	383	4.3	1.4	8.0	203	4.2	2.2	6.0	52
7.0	100	10.0	535	4.6	5.9	9.0	329	4.6	8.0	7.0	104
8.0	185	10.5	796	5.0	14	10.0	545	5.0	16	8.0	203
9.0	299	10.9	1,100	5.5	28	10.5	796	5.5	31	8.8	300
				6.0	49	11.0	1,190				
				7.0	104						

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	152	248	55	16	49	37	66	39	3.4	13	3.4	406
2	*170	222	51	15	48	34	57	35	*3.0	11	3.2	364
3	172	200	47	14	*58	32	51	31	3.0	10	3.0	331
4	144	181	44	14	54	30	45	27	*3.2	9.8	2.8	339
5	116	163	42	13	51	27	40	24	3.5	9.0	2.8	329
6	100	146	39	13	47	25	35	24	5.5	8.1	2.8	301
7	113	132	36	13	53	25	78	27	8.4	6.6	2.7	268
8	100	117	33	14	236	23	96	30	10	6.3	2.7	255
9	93	104	31	34	256	22	90	30	9.1	5.7	2.8	244
10	87	95	28	46	237	20	80	26	7.2	5.3	3.8	*240
11	81	90	27	46	210	19	72	24	7.0	5.1	4.6	242
12	77	*83	24	43	185	18	149	23	16	4.5	4.5	243
13	74	77	23	38	156	28	248	21	44	3.7	4.3	238
14	75	72	26	35	128	28	295	19	40	3.7	4.2	231
15	125	67	26	35	119	33	277	18	39	4.3	4.2	227
16	131	62	24	31	101	32	240	16	38	4.0	4.9	256
17	174	59	*22	30	90	28	200	14	35	3.6	8.1	378
18	299	55	22	28	80	*24	163	12	31	3.1	24	482
19	418	51	21	27	72	22	136	11	27	2.8	58	583
20	702	68	20	34	65	19	114	9.1	25	*2.5	105	675
21	1,100	88	20	86	59	31	94	8.2	22	2.1	142	680
22	*1,060	87	19	84	58	160	81	9.4	21	2.0	160	718
23	*888	87	19	87	59	269	*71	9.4	20	2.1	157	691
24	*713	84	18	103	54	282	61	8.7	18	2.2	148	624
25	*585	82	18	97	51	243	52	7.8	16	2.5	129	572
26	499	78	17	88	47	212	62	7.2	19	2.8	130	545
27	*451	74	17	79	44	178	61	6.7	23	2.4	*196	735
28	*408	70	16	73	40	141	54	6.0	22	2.4	284	1,080
29	358	64	16	66	-	110	48	5.5	20	2.2	420	*1,120
30	*316	60	15	59	-	90	44	4.8	18	2.1	458	1,080
31	277	-	16	54	-	77	-	4.1	-	2.2	442	-
Total	10,058	3,066	832	1,413	2,707	2,319	3,160	537.9	557.3	147.1	2,917.8	14,477
Mean	324	102	26.8	54.6	96.7	74.8	105	17.4	18.6	4.75	94.1	483
Cfsm	3.91	1.23	0.324	0.551	1.17	0.903	1.27	0.210	0.225	0.057	1.14	5.83
In.	4.52	1.38	0.37	0.63	1.22	1.04	1.42	0.24	0.25	0.07	1.31	6.50

Calendar year 1952: Max 1,100 Min 0.2 Mean 60.2 Cfsm 0.727 In. 9.89
Water year 1952-53: Max 1,120 Min 2.0 Mean 116 Cfsm 1.40 In. 18.95

* Discharge measurement made on this day.
Note.--Doubtful gage-height record Apr. 27 to May 21 and June 16 to July 16; discharge computed from reconstructed gage-height graph, based on recorded graph and engineer's readings.

Cypress Creek at Vineland, Fla.

Location.--Lat 28°23'25", long. 81°31'11", in sec. 21, T. 24 S., R. 28 E., on left bank at downstream side of bridge on State Highway 535, 1 mile west of Vineland.

Drainage area.--31.0 sq mi.

Records available.--August 1945 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 96.14 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.--8 years, 9.0 cfs.

Extremes.--Maximum discharge during year, 135 cfs Sept. 27 (gage height, 3.61 ft); no flow for many days.
1945-53: Maximum discharge observed, 181 cfs Sept. 16, 1945 (gage height, 3.83 ft); no flow at times; minimum gage height, 0.25 ft June 9, 1949.

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

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 25-28)

Oct. 1 to Feb. 28

1.6	0.2	2.0	1.6
1.7	.4	2.2	4.5
1.8	.6	2.3	6.9
1.9	1.0	2.4	10

Mar. 1 to Sept. 30

1.4	0	2.0	0.9	2.7	20
1.5	.1	2.1	1.4	2.9	34
1.6	.1	2.2	2.2	3.1	56
1.7	.2	2.3	3.9	3.3	85
1.8	.3	2.4	6.9	3.6	133
1.9	.6	2.5	10		

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	1.9	2.0	0.6	0.4	0.7	0.7	0.8	1.1	*0	1.8	5.9	13
2	1.6	1.7	.5	.4	**.9	.7	.7	.9	0	1.5	4.4	12
3	1.2	1.6	.5	.4	1.7	.6	.6	.8	0	1.2	3.4	18
4	1.1	1.4	.5	.3	1.7	.6	.5	.7	0	1.1	3.2	29
5	1.4	1.3	.5	.3	1.6	.5	.4	.6	0	.9	7.6	20
6	1.9	1.2	.4	.3	1.4	.4	.4	.5	.1	.8	7.6	17
7	a2.1	1.1	.4	.3	1.4	.5	.9	.8	.5	.8	5.3	22
8	a2.1	1.0	.4	.3	2.7	.4	.9	1.3	.4	.7	4.1	36
9	a2.0	.9	.4	.7	2.1	.4	.8	1.1	.4	.9	3.2	25
10	a1.7	*.9	.4	1.0	1.7	.3	.8	1.0	.3	1.1	4.7	22
11	a1.6	.8	.4	.9	1.5	.3	.7	.8	.3	1.1	7.2	*22
12	a1.5	.8	.3	.8	1.5	.2	3.2	.7	.2	.9	5.6	20
13	a1.4	.7	.3	.8	1.3	.2	33	.6	.2	.8	5.6	18
14	a2.0	.7	.4	.8	1.2	.2	21	.4	.2	.7	4.4	18
15	a3.0	.7	**.4	.7	1.5	.2	13	.4	.3	.8	10	27
16	a5.0	.6	.4	.7	1.4	**.2	8.3	.3	.6	.9	30	31
17	a8.0	.6	.4	.7	1.3	.2	5.6	.2	.5	*.8	16	*54
18	a8.0	.5	.4	.6	1.2	.2	3.6	.2	.4	.8	10	64
19	a7.0	.5	.3	.6	1.1	**.1	2.9	.1	.3	.7	9.7	79
20	a5.8	.8	.3	.6	1.1	.1	*2.2	.1	.2	.7	9.0	103
21	a5.6	1.2	.3	.6	1.0	.3	1.8	.1	.2	1.8	8.6	87
22	5.9	1.1	.3	.5	1.0	.9	1.6	.1	.2	1.7	10	88
23	6.2	1.0	.3	.6	1.2	1.7	1.4	.1	.6	1.9	16	111
24	5.2	.9	.3	1.0	1.2	1.8	1.2	0	.7	3.4	*11	107
25	4.5	.8	.3	.8	1.1	1.6	1.1	0	.6	7.6	12	101
26	4.0	.8	.3	.7	1.0	1.3	1.7	0	4.1	8.6	21	95
27	3.8	.8	.3	.7	.9	1.2	1.9	.1	12	6.9	20	125
28	3.6	.7	.3	.7	.8	1.1	1.7	0	7.6	7.6	21	122
29	3.0	.7	.3	.7	-	1.0	1.5	0	3.9	10	27	*115
30	2.5	.6	.3	.6	-	.9	1.3	0	2.4	8.6	18	114
31	2.2	-	.4	.6	-	.8	-	0	-	8.0	14	-
Total	106.8	28.4	11.6	19.1	37.2	19.6	115.5	13.0	37.2	85.1	335.5	1,715
Mean	3.45	0.95	0.37	0.62	1.33	0.63	3.85	0.42	1.24	2.75	10.8	57.2
Cfsm	0.111	0.031	0.012	0.020	0.043	0.020	0.124	0.014	0.040	0.089	0.348	1.85
In.	0.13	0.03	0.01	0.02	0.04	0.02	0.14	0.02	0.04	0.10	0.40	2.06

Calendar year 1952 : Max 15 Min 0 Mean 1.25 Cfsm 0.040 In. 0.54
Water year 1952-53 : Max 125 Min 0 Mean 6.96 Cfsm 0.225 In. 3.01

Peak discharge (base, 55 cfs).--Sept. 20 (12:30 a.m.) 112 cfs (3.47 ft); Sept. 23 (11 a.m.) 112 cfs (3.47 ft); Sept. 27 (11 a.m. to 4 p.m.) 135 cfs (3.61 ft).

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

** Field estimate made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for Reedy Creek near Loughman.

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.--194 sq mi.

Records available.--November 1939 to September 1953.

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.

Average discharge.--14 years, 84.5 cfs.

Extremes.--Maximum discharge during year, 513 cfs Aug. 30 (gage height, 4.08 ft); minimum, 4.9 cfs June 2 (gage height, 1.84 ft).
1939-53: Maximum discharge, 530 cfs Oct. 22, 23, 1944, Sept. 20, 21, 1947; maximum gage height, that of Aug. 30, 1953; minimum, 2.6 cfs June 2, 3, 1945; minimum gage height, 0.78 ft June 3, 1945.

Remarks.--Records fair.

Revisions (water years).--WSP 1142: 1940, 1944-45, 1947(M). WSP 1204: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 14		Jan. 15 to Sept. 30			
2.3	24	1.85	5.0	2.4	24
2.5	39	1.9	5.5	2.5	33
2.8	87	2.0	7.2	2.7	61
3.0	134	2.1	9.7	2.9	110
		2.2	13	3.5	311
		2.3	18	4.0	485

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	32	76	37	30	31	30	50	70	*5.8	83	a230	478
2	33	68	36	31	32	30	a45	65	5.4	74	a230	474
3	33	63	34	34	*35	29	a38	61	6.7	61	a210	468
4	32	60	34	34	35	28	a33	58	7.8	51	a200	457
5	30	55	33	34	35	26	a29	53	16	43	189	436
6	29	51	32	33	37	25	28	50	27	34	182	401
7	31	48	30	33	a45	24	34	51	41	30	a170	384
8	a34	46	29	32	a58	23	37	56	43	24	a150	380
9	a36	43	29	35	68	22	37	51	40	27	a130	370
10	37	40	28	40	68	20	35	47	38	27	a110	412
11	36	38	27	44	65	20	34	47	37	24	a105	415
12	35	*36	26	48	61	22	38	51	38	22	a100	387
13	a34	35	26	49	56	24	91	56	40	17	99	a360
14	a35	34	28	51	51	24	138	56	41	17	107	328
15	a35	a32	*29	48	51	27	219	53	43	*26	119	318
16	36	30	29	47	48	*28	274	48	40	32	126	318
17	40	30	29	43	47	30	274	43	38	38	132	345
18	52	29	29	40	45	34	250	37	38	39	141	373
19	70	28	28	38	44	35	223	33	37	37	168	401
20	112	31	28	35	43	33	195	30	34	34	195	429
21	126	37	a27	35	40	35	*165	28	32	34	236	443
22	126	38	a27	33	38	43	141	24	29	33	246	446
23	132	39	a27	32	37	48	122	23	26	39	253	429
24	132	40	a27	37	35	65	107	20	24	41	260	408
25	126	42	a26	35	34	81	94	17	23	50	*267	404
26	124	40	26	35	33	88	96	16	41	72	301	401
27	119	40	26	35	32	91	96	15	72	a120	418	460
28	112	40	26	35	31	88	88	12	74	a140	471	478
29	102	39	26	35	-	79	81	10	83	a130	488	478
30	91	38	25	34	-	68	76	8.4	86	a125	510	460
31	81	-	26	32	-	56	-	6.9	-	a160	499	-
Total	2,082	1,266	892	1,157	1,235	1,276	3,168	1,196.3	1,106.7	1,684	7,042	12,341
Mean	67.2	42.2	28.8	37.3	44.1	41.2	106	38.6	36.9	54.3	227	411
Cfsm	0.346	0.218	0.148	0.192	0.227	0.212	0.546	0.199	0.190	0.280	1.17	2.12
In.	0.40	0.24	0.17	0.22	0.24	0.24	0.61	0.23	0.21	0.32	1.35	2.37

Calendar year 1952: Max 207 Min 8.6 Mean 50.0 Cfsm 0.258 In. 3.51
Water year 1952-53: Max 510 Min 5.4 Mean 94.4 Cfsm 0.487 In. 6.60

* 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.

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 6 ft downstream from bridge on private road, a quarter of a mile downstream from Lake Pierce, and 7 miles northeast of Lake Wales.

Drainage area.--54.2 sq mi.

Records available.--October 1947 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 72.70 ft above mean sea level (Corps of Engineers benchmark).

Average discharge.--6 years, 57.4 cfs.

Extremes.--Maximum discharge during year, 158 cfs Sept. 30 (gage height, 5.48 ft); minimum daily, 26 cfs June 3; minimum gage height, 3.43 ft June 5 (wind effect).
1947-53: Maximum discharge, 180 cfs Oct. 3, 4, 1948; maximum gage height, that of Sept. 30, 1953; minimum discharge, 10 cfs June 29, 1950 (gage height, 2.87 ft).

Remarks.--Records good.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Feb. 28		Mar. 1 to Sept. 30	
4.2	57	3.4	23
4.6	77	4.0	46
5.1	118	4.5	74
		5.0	114
		5.5	160

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	75	104	88	67	60	57	50	42	27	57	57	80
2	74	103	86	66	61	57	49	41	27	55	57	81
3	73	102	85	66	62	*56	49	41	26	55	57	87
4	71	101	84	65	62	56	49	39	27	54	56	97
5	70	98	83	63	62	56	48	38	29	53	58	98
6	70	97	83	62	61	55	45	37	36	51	58	104
7	70	96	80	62	62	55	47	39	44	51	57	107
8	70	93	78	62	70	54	47	45	46	54	57	113
9	71	91	78	68	69	52	46	47	46	54	58	115
10	70	90	78	72	68	51	46	46	46	53	55	125
11	70	90	78	73	68	50	45	45	48	52	*55	126
12	69	89	74	72	69	50	44	44	58	53	54	127
13	68	88	73	70	68	51	48	43	58	51	53	128
14	68	86	75	70	67	52	48	42	58	51	52	125
15	69	85	75	70	69	54	*46	41	58	50	53	*132
16	70	85	73	69	66	54	48	40	57	*50	55	143
17	70	83	72	68	65	53	46	39	57	48	54	147
18	74	81	*72	68	64	52	45	38	56	48	53	148
19	77	80	71	68	62	51	46	37	55	47	53	150
20	97	90	70	68	62	50	46	37	54	48	54	150
21	110	99	70	70	62	50	44	37	53	51	58	149
22	111	97	70	68	62	54	43	35	52	51	59	149
23	111	96	69	68	62	57	42	35	52	54	60	147
24	111	95	68	70	62	58	41	34	53	54	62	146
25	111	93	68	66	62	58	40	33	54	56	62	142
26	110	93	68	64	61	56	44	32	59	56	64	139
27	113	93	68	63	61	54	45	*32	60	55	67	149
28	111	92	67	*62	59	54	44	31	60	55	70	153
29	*109	90	66	62	-	53	42	29	58	56	78	152
30	106	89	66	61	-	51	42	28	57	57	80	153
31	105	-	66	60	-	50	-	28	-	58	60	-
Total	2,654	2,769	2,302	2,063	1,788	1,661	1,365	1,175	1,471	1,638	1,844	3,860
Mean	85.6	92.3	74.3	66.5	63.9	53.6	45.5	37.9	49.0	52.8	59.5	129
Cfsm	1.58	1.70	1.37	1.23	1.18	0.989	0.839	0.699	0.904	0.974	1.10	2.38
In.	1.82	1.90	1.58	1.42	1.23	1.14	0.94	0.81	1.01	1.12	1.27	2.65

Calendar year 1952: Max 113 Min 30 Mean 60.3 Cfsm 1.11 In. 15.13
Water year 1952-53: Max 153 Min 26 Mean 67.4 Cfsm 1.24 In. 16.89

* Discharge measurement made on this day.

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 1953.

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 of 0.48 ft (corrected) lower.

Extremes.--Maximum daily discharge during year, 2,700 cfs Sept. 30; maximum gage height, 8.92 ft Sept. 30; minimum daily discharge, 506 cfs June 4; minimum gage height, 3.11 ft June 5 (wind effect).
1949-53: Maximum daily discharge, that of Sept. 30, 1953; maximum gage height, that of Sept. 30, 1953; minimum discharge, 139 cfs Aug. 27 to Sept. 4, 1950; minimum gage height, 1.13 ft, present site and datum, Sept. 2, 1950 (wind effect).
Maximum stage of Lake Hatchineha since 1942, 9.6 ft Oct. 11, 1947.

Remarks.--Records fair. Discharge measurements 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	530	1,030	883	700	659	653	674	847	528	794	752	1,580
2	530	1,030	876	694	657	651	676	839	524	771	752	1,610
3	534	1,020	870	698	668	645	676	828	509	756	752	1,630
4	532	1,020	863	683	664	638	676	817	506	733	756	1,670
5	532	1,010	858	670	657	636	674	809	512	714	756	1,710
6	*534	1,000	848	668	*653	624	668	801	560	703	760	1,800
7	537	996	839	666	657	624	685	809	635	687	763	1,840
8	537	984	829	666	703	617	696	820	650	672	779	1,870
9	539	976	824	683	711	605	695	828	650	661	786	1,910
10	532	970	822	700	716	592	703	813	650	646	786	*1,980
11	530	967	817	705	720	588	695	801	653	638	801	2,100
12	528	956	793	694	722	584	699	790	*672	638	813	2,110
13	521	948	788	687	722	582	741	779	691	620	817	2,040
14	519	*939	796	685	714	580	748	771	691	616	817	2,010
15	525	934	791	683	727	578	744	760	691	602	828	2,070
16	530	926	777	683	707	574	775	744	695	*595	843	2,130
17	530	918	768	681	709	*566	756	733	703	584	858	2,240
18	550	911	763	678	703	562	771	722	699	577	893	2,250
19	583	900	758	676	694	556	790	*714	691	574	938	2,330
20	704	939	754	681	689	552	798	706	687	570	969	2,280
21	851	967	752	700	692	558	786	691	684	567	1,040	2,240
22	928	956	742	696	696	586	786	676	684	567	1,080	2,350
23	998	950	*738	689	694	611	786	661	695	570	1,130	2,360
24	1,040	942	733	703	689	647	786	650	703	577	1,180	2,410
25	1,060	934	731	692	685	666	794	635	703	602	1,230	2,440
26	1,070	926	727	678	681	664	839	624	729	620	1,300	2,420
27	1,080	921	722	676	672	661	*855	609	771	642	1,340	2,600
28	1,080	913	718	674	664	668	847	588	790	661	1,400	2,670
29	1,070	900	709	674	-	670	836	567	801	695	1,470	2,610
30	*1,020	893	703	666	-	670	847	553	801	729	1,520	2,700
31	1,030	-	707	661	-	672	-	544	-	741	1,550	-
Total	22,084	28,676	24,299	21,190	19,325	19,080	22,502	22,529	19,958	20,122	30,459	63,960
Mean	712	956	784	684	690	615	750	727	665	649	983	2,132
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 1,340 Min 457 Mean 786 Cfsm - In. -
Water year 1952-53: Max 2,700 Min 508 Mean 861 Cfsm - In. -

* Discharge measurement made on this day.

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 mile 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 1953 (discharge measurements only).

Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 47.25 ft above mean sea level, datum of 1929 (from simultaneous water level readings with Lake Kissimmee during period of no flow).

Extremes.--1950-53: Maximum discharge measured, 2,220 cfs Sept. 28, 1953; no flow at times each year.

Remarks.--Discharge at this station consists of high water 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 records for Hatchineha-Kissimmee Canal near Lake Wales.

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

Oct. 3	85.9	Feb. 6	**0.5	June 8	0
24	180	26	**.5	July 17	0
Nov. 14	88.6	Mar. 17	21.3	Aug. 11	0
Dec. 17	16.4	Apr. 15	8.26	Sept.11	892
23	7.99	27	9.42	28	2,220
Jan. 16	10.1	May 21	0		

** Field estimate.

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 1953.

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.--20 years, 1,176 cfs.

Extremes.--Maximum discharge during year, 4,480 cfs Sept. 30 (gage height, 11.75 ft); minimum daily, 676 cfs Oct. 8; minimum gage height, 5.21 ft June 5 (wind effect).
1933-53: Maximum discharge, 8,820 cfs Oct. 5 or 6, 1948; maximum gage height, 12.70 ft, present datum, Oct. 13, 1947; no flow Sept. 3, 4, 1935, caused by hurricane blowing upstream; minimum gage height observed, 1.10 ft, present datum, Sept. 4, 1935.

Remarks.--Records fair.

Revisions.--WSP 1204: Drainage area.

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	690	1,840	1,490	1,160	993	949	939	896	783	807	797	1,740
2	688	1,840	1,480	1,130	976	942	932	899	785	799	797	1,780
3	699	1,850	1,470	1,160	1,000	929	929	908	775	797	797	1,820
4	697	1,850	1,460	1,160	1,000	918	932	894	760	801	805	1,910
5	691	1,830	1,440	1,090	986	949	916	883	748	795	831	1,980
6	684	1,790	1,430	1,090	962	929	873	877	783	795	845	2,040
7	686	1,810	1,420	1,080	959	926	890	902	820	789	864	2,100
8	*676	1,770	1,400	1,060	1,040	936	916	947	836	795	867	2,160
9	693	1,730	1,390	1,080	1,030	920	898	967	829	809	896	2,220
10	693	1,710	1,350	1,110	1,020	881	884	960	831	801	911	2,300
11	701	1,710	1,460	1,150	1,020	873	893	*950	829	801	938	2,410
12	705	1,730	1,360	1,160	1,020	881	862	934	831	829	967	2,460
13	697	1,690	1,320	1,120	1,050	904	910	922	842	803	957	2,480
14	699	1,660	1,360	1,100	1,020	901	949	916	840	795	941	*2,510
15	*771	1,650	1,400	1,080	1,040	896	893	905	836	791	934	2,590
16	820	1,640	1,340	1,080	1,050	901	920	891	833	787	925	2,710
17	906	1,630	1,300	1,070	1,030	904	*910	888	831	779	928	2,870
18	1,170	1,610	1,280	1,050	1,050	876	881	877	826	774	998	2,970
19	1,220	1,610	1,260	1,050	990	876	901	870	822	777	1,070	3,130
20	1,410	1,590	1,240	1,050	952	868	945	872	818	777	1,080	3,270
21	1,720	1,610	1,240	1,060	969	868	910	872	811	772	1,100	3,410
22	1,720	1,620	1,230	1,060	996	896	893	862	*807	766	1,130	3,510
23	1,760	1,610	1,220	1,010	1,020	932	881	857	803	775	1,160	*3,570
24	1,790	1,610	1,200	1,050	1,000	973	870	850	807	783	1,210	3,570
25	1,820	1,610	1,190	1,090	993	1,020	862	845	803	785	1,260	3,560
26	1,850	1,580	1,190	1,050	983	1,020	904	842	811	772	1,340	3,520
27	1,880	1,570	1,190	1,020	993	1,000	936	838	803	777	1,420	3,810
28	1,900	1,560	1,190	1,010	983	983	929	824	805	*785	1,500	4,200
29	1,960	1,550	1,170	1,020	-	996	896	803	805	785	1,610	4,310
30	1,910	1,520	*1,140	1,010	-	969	877	797	809	793	1,680	4,380
31	1,840	-	1,130	993	-	945	-	793	-	793	1,710	-
Total	36,146	50,380	40,740	33,403	28,125	28,759	27,131	27,341	24,322	24,487	33,268	85,290
Mean	1,166	1,679	1,314	1,078	1,004	928	904	882	811	790	1,073	2,843
Cfsm	0.725	1.04	0.817	0.670	0.624	0.577	0.562	0.548	0.504	0.491	0.667	1.77
In.	0.84	1.16	0.94	0.77	0.65	0.66	0.63	0.63	0.56	0.57	0.77	1.97

Calendar year 1952: Max 1,960 Min 618 Mean 1,071 Cfsm 0.666 In. 9.05
Water year 1952-53: Max 4,380 Min 676 Mean 1,204 Cfsm 0.748 In. 10.15

* Discharge measurement made on this day.

Note.--No gage-height record Nov. 16 to Dec. 10; discharge estimated on basis of gage-height record at staff gage 3 miles upstream.

Reedy Lake Outlet near Frostproof, Fla.

Location.--Lat 27°43'13", long. 81°28'40", in NW¼ sec. 1, T. 32 S., R. 28 E., on left bank 15 ft upstream from highway bridge, 100 ft downstream from Reedy Lake and 3½ miles southeast of Frostproof.

Drainage area.--62.2 sq mi.

Records available.--October 1946 to September 1953.

Gage.--Water-stage recorder and concrete control. Datum of gage is 76.05 ft above mean sea level, datum of 1929.

Average discharge.--7 years, 40.3 cfs.

Extremes.--Maximum discharge during year, 82 cfs Sept. 30 (gage height, 3.49 ft); minimum daily, 8.2 cfs June 3; minimum gage height, 1.29 ft June 4 (wind effect).
1946-53: Maximum discharge, 166 cfs Oct. 2-6, 1948; maximum gage height, 4.37 ft Oct. 5, 1948; minimum discharge, 5.0 cfs June 8, 10, 1951 (gage height, 1.32 ft).

Remarks.--Records fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 28 to July 12, Aug. 11)

Oct. 1 to May 5			May 6 to Sept. 30		
1.7	22		1.4	7.0	2.7	46
2.4	38		1.6	18	3.5	82
			1.9	27		

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	27	35	32	28	29	28	28	27	9.4	35	28	39
2	26	35	32	28	30	28	28	26	8.8	34	29	39
3	26	34	32	29	30	28	28	26	8.2	34	28	39
4	26	34	32	28	30	28	28	25	11	34	28	40
5	25	34	31	28	30	*28	28	25	18	34	29	39
6	25	34	31	28	29	28	27	24	25	34	30	40
7	25	*34	31	28	30	28	28	25	29	*34	29	40
8	25	33	30	28	32	28	29	26	31	34	28	40
9	25	32	30	30	32	27	28	26	31	34	28	43
10	25	32	30	32	31	27	28	25	30	32	28	45
11	24	32	31	32	31	27	28	25	32	32	*28	46
12	24	33	30	31	31	27	28	25	35	32	28	45
13	24	32	29	31	31	28	31	24	35	30	28	45
14	24	32	30	31	30	29	32	23	35	30	28	45
15	25	32	30	31	31	29	30	23	34	30	28	*46
16	26	32	29	31	30	29	*30	22	34	30	28	49
17	27	32	29	31	30	28	28	21	34	29	28	52
18	30	31	*28	30	30	28	28	21	34	29	28	55
19	30	31	28	30	29	28	28	20	34	28	30	59
20	35	33	28	31	29	27	28	20	34	28	31	60
21	38	34	28	31	29	28	27	20	34	28	31	60
22	37	34	28	31	30	29	27	19	34	28	32	60
23	37	34	28	30	30	32	27	19	34	28	32	60
24	36	34	28	32	30	32	27	19	34	28	*32	59
25	36	33	28	31	30	32	26	18	35	28	32	59
26	36	33	28	30	29	31	27	18	36	28	33	58
27	38	33	28	30	29	30	27	*16	37	28	33	72
28	38	33	28	30	29	30	27	14	36	28	36	78
29	37	32	28	*30	-	29	27	13	36	28	39	78
30	36	32	28	30	-	29	27	11	35	28	39	80
31	35	-	28	30	-	28	-	10	-	28	38	-
Total	928	989	911	931	841	888	840	656	893.4	945	947	1,570
Mean	29.9	33.0	29.4	29.7	30.0	28.6	28.0	21.2	29.8	30.5	30.5	52.3
Cfsm	0.481	0.531	0.473	0.477	0.482	0.460	0.450	0.341	0.479	0.490	0.490	0.841
In.	0.55	0.59	0.54	0.56	0.50	0.53	0.50	0.39	0.53	0.57	0.57	0.94

Calendar year 1952: Max 38 Min 7.7 Mean 23.6 Cfsm 0.379 In. 5.15
Water year 1952-53: Max 80 Min 8.2 Mean 31.1 Cfsm 0.500 In. 6.77

* Discharge measurement made on this day.

Arbuckle Creek near De Soto City, Fla.

Location.--Lat 27°26'32", long. 81°17'51", in SE¼ sec. 11, T. 35 S., R. 30 E., on right bank 20 ft downstream from bridge on State Highway 700, 1 mile upstream from Lake Istokpoga, and 7 miles east of De Soto City.
Drainage area.--385 sq mi (excludes area drained by Lake Weohyakapka and includes area drained by Lake Sebring).
Records available.--June 1939 to September 1953.
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 and June 24, 1942, to Oct. 19, 1943, staff gage, at same site and datum.
Average discharge.--14 years, 402 cfs.
Extremes.--Maximum discharge during year, 2,720 cfs Oct. 23; maximum gage height, 7.07 ft at 12 p.m. Sept. 30 (stage rising); minimum discharge, 62 cfs June 3 (gage height, 1.88 ft).

1939-53: Maximum discharge, 7,380 cfs (revised) Sept. 23, 1948 (gage height, 8.71 ft), from rating curve extended above 5,300 cfs; minimum, 6.8 cfs (revised) June 21, 1945.

Revisions.--The figures of maximum and minimum discharges for the water years 1939-50 have been revised, as shown in the following table. They supersede those published in the water-supply papers indicated.

WSP	Water year	Maximum			Minimum		
		Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
872	1939†	Sept. 1, 1939	3,270	7.84	June 24, 1939	74	2.12
892	1940	Sept.11,12,1940	1,920	7.26	May 28, 1940	61	2.75
922	1941	July 26,27,1941	2,710	7.52	June 5, 1941	†84	-
952	1942	Feb. 26, 1942	1,030	6.33	May 28, 1942	†142	-
972	1943	July 18-21,1943	1,290	6.40	May 17, 1943	20	1.80
1002	1944	Oct. 7, 1943	1,290	6.78	June 5, 1944	38	††1.87
1032	1945	Sept.17, 1945	6,540	8.47	June 21, 1945	6.8	.84
1052	1946	Oct. 1, 1945	1,640	a6.82	May 13, 1946	‡32	-
1082	1947	Sept.23, 1947	5,610	8.20	Feb. 5, 1947	‡81	-
1112	1948	Sept.23,1948	7,380	8.71	July 2, 1948	‡89	-
1142	1949	Oct. 4, 1948	6,680	8.51	June 8, 1949	25	1.28
1172	1950	Oct. 4, 1949	1,870	6.74	Apr. 21, 1950	‡23	-

† Period June to September.
‡ Minimum daily.
†† Occurred June 28.
a Occurred at 12:01 a.m. Oct. 1 (stage falling from peak of Sept. 17, 1945).

Remarks.--Records fair. Records include small diversions into Lake Arbuckle from Lake Weohyakapka through Blue Jordan Swamp. Records include flow through two overflow bridges 1.9 and 2.1 miles west of main channel.
Revisions.--WSP 1204: Drainage area. Revised figures of discharge for the water years 1939-50 superseding those published in WSP 872, 892, 922, 952, 972, 1002, 1032, 1052, 1082, 1112, 1142, and 1172, are given herein.

Discharge, in cubic feet per second, June to September 1939

Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.	Day	June	July	Aug.	Sept.
1	-	167	241	*3,240	11	-	433	*233	1,370	21	*112	344	702	898
2	-	183	230	*3,150	12	-	489	409	*1,270	22	98	327	722	922
3	-	203	225	2,880	13	-	470	422	1,190	23	84	308	730	990
4	-	222	247	2,640	14	-	*452	463	1,120	24	82	316	738	1,350
5	-	238	252	2,460	15	-	437	*590	1,070	25	96	308	730	*1,810
6	-	279	254	2,250	16	-	420	627	1,040	26	128	289	722	1,960
7	-	342	254	2,050	17	-	390	594	1,000	27	171	293	772	1,940
8	-	367	252	1,900	18	-	370	552	970	28	156	284	926	1,870
9	-	374	249	1,680	19	-	360	569	935	29	150	267	1,170	1,790
10	-	392	238	1,490	20	-	349	645	914	30	156	259	2,090	1,660
										31	-	249	3,000	-
Total											-	10,181	19,848	49,809
Mean											-	328	640	1,660
Cubic feet per second per square mile											-	0.852	1.66	4.31
Runoff in inches											-	0.98	1.92	4.81

* Discharge measurement made on this day.
† Results of discharge measurements made on May 12, 27, and June 7 are 35, 28, and 32 cfs, respectively.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1939 to September 1940

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,550	545	266	181	*294	371	491	174	115	207	745	433
2	1,470	517	262	174	288	369	484	173	132	202	702	450
3	1,350	509	248	171	266	362	458	154	132	*236	670	523
4	1,270	502	238	176	270	355	428	145	136	274	656	757
5	1,210	484	240	*189	268	346	404	136	139	322	691	915
6	1,130	480	*232	187	268	350	380	132	*133	401	709	925
7	1,060	474	225	214	311	357	378	124	130	507	709	960
8	1,000	460	217	264	316	348	382	122	129	611	677	1,090
9	960	446	211	264	320	330	382	*119	132	781	635	1,290
10	920	*438	208	266	335	326	394	a115	142	834	596	1,720
11	892	426	202	268	316	326	*406	a110	165	805	564	*1,900
12	871	417	195	270	316	324	411	a108	197	753	539	1,900
13	*864	396	191	268	318	322	408	a106	216	691	*561	1,770
14	820	381	180	274	322	316	430	a104	240	638	684	1,680
15	766	378	173	262	309	*288	440	a102	247	602	709	1,600
16	754	368	173	254	*311	292	430	a99	251	*584	666	1,500
17	725	358	169	*262	326	288	416	a96	245	553	605	1,400
18	705	355	164	260	376	284	394	a93	241	536	558	1,300
19	700	372	*160	260	369	282	380	a91	229	581	520	1,250
20	710	365	157	260	369	276	348	a89	206	677	484	1,190
21	700	355	152	264	362	282	316	a87	*181	717	453	1,190
22	695	342	152	262	357	350	297	a84	181	670	443	1,140
23	685	325	157	299	357	399	274	a80	170	608	456	1,070
24	670	318	162	305	366	420	254	*77	173	567	430	975
25	655	312	154	320	371	423	*236	75	182	534	416	*900
26	640	302	170	316	366	438	216	71	220	504	394	870
27	616	276	165	311	380	481	202	71	249	542	*382	900
28	603	*270	162	309	382	*525	192	71	258	725	392	915
29	585	270	162	311	373	542	184	74	253	785	399	990
30	573	266	163	316	-	539	181	80	231	*825	389	1,230
31	573	-	174	301	-	515	-	90	-	789	385	-
Total	26,722	11,707	5,884	8,040	9,582	11,426	10,596	3,252	5,655	18,061	17,219	34,733
Mean	862	390	190	259	330	369	353	105	188	583	555	1,158
Cfsm	2.24	1.01	0.494	0.673	0.857	0.958	0.917	0.273	0.488	1.51	1.44	3.01
In.	2.58	1.13	0.57	0.78	0.93	1.10	1.02	0.31	0.55	1.74	1.66	3.36

Calendar year 1939: Max - Min - Mean - Cfsm - In. -
Water year 1939-40: Max 1,900 Min 71 Mean 445 Cfsm 1.16 In. 15.73

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Istokpoga Canal near Cornwell.

Discharge, in cubic feet per second, water year October 1940 to September 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,420	298	144	245	348	243	232	*303	99	830	1,200	372
2	1,580	285	142	245	333	253	223	299	94	785	1,050	372
3	1,600	266	135	*251	322	254	234	292	91	713	946	370
4	1,500	261	132	234	303	256	294	276	89	602	870	360
5	1,340	256	132	222	301	249	337	270	84	499	798	*350
6	1,160	247	130	222	301	253	337	260	85	438	736	345
7	1,000	237	129	227	330	264	357	284	92	401	*694	342
8	900	225	127	223	318	299	443	380	112	389	648	340
9	*774	220	124	222	385	307	561	460	113	408	604	348
10	686	218	124	211	423	309	663	497	109	*428	566	370
11	634	214	*124	209	453	303	680	483	*109	466	533	370
12	595	*209	122	204	453	288	660	401	110	468	507	380
13	560	205	121	199	*453	284	626	344	109	458	495	372
14	528	200	120	195	446	*256	593	290	110	497	487	372
15	503	185	118	192	426	260	555	*268	112	608	483	382
16	487	179	118	*229	416	262	*515	251	113	809	479	396
17	479	177	114	274	408	251	478	238	117	1,040	468	411
18	434	175	112	322	392	229	450	220	119	1,180	450	*432
19	422	172	114	369	373	229	423	206	*126	1,260	444	450
20	410	169	114	404	357	232	396	195	152	1,350	447	471
21	398	168	110	426	341	234	373	181	206	1,330	*440	497
22	383	165	112	438	324	231	350	170	260	1,200	444	521
23	369	162	116	443	303	256	333	158	484	1,280	464	537
24	355	160	129	458	292	253	318	152	611	*1,890	447	561
25	342	159	139	471	286	249	313	144	564	2,180	436	583
26	332	158	148	466	274	254	299	134	502	2,570	433	578
27	322	*154	200	458	*262	*264	301	127	413	2,610	426	583
28	316	144	229	433	249	254	288	119	357	2,290	412	578
29	309	145	236	408	-	241	286	*109	380	1,930	399	557
30	309	145	240	*396	-	234	290	109	660	1,610	393	537
31	*304	-	243	378	-	241	-	106	-	1,350	384	-
Total	20,751	5,958	4,398	9,674	9,872	7,992	12,208	7,706	6,582	33,869	17,583	13,157
Mean	669	199	142	312	353	258	407	249	219	1,093	567	438
Cfsm	1.74	0.517	0.369	0.810	0.917	0.670	1.06	0.647	0.569	2.84	1.47	1.14
In.	2.00	0.58	0.42	0.93	0.95	0.77	1.18	0.74	0.64	3.27	1.70	1.27

Calendar year 1940: Max 1,900 Min 71 Mean 409 Cfsm 1.06 In. 14.45
Water year 1940-41: Max 2,610 Min 84 Mean 410 Cfsm 1.06 In. 14.45

* Discharge measurement made on this day.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1941 to September 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	517	378	281	257	315	960	*402	235	167	432	426	241
2	497	365	273	257	299	*936	375	222	172	432	417	241
3	482	375	270	266	*281	840	365	215	192	435	402	261
4	468	380	268	266	270	752	348	204	*229	438	393	279
5	444	380	261	275	262	685	335	197	264	497	*380	295
6	444	375	251	303	254	650	322	189	289	501	362	287
7	432	348	240	328	240	606	311	184	313	505	352	279
8	414	338	243	*325	225	574	299	176	365	497	342	275
9	399	328	*230	322	218	557	291	169	399	478	338	268
10	*382	315	235	382	211	533	279	165	553	460	335	*257
11	380	311	235	399	211	513	249	162	705	460	350	247
12	352	303	234	420	206	493	240	158	896	489	368	251
13	338	*305	232	432	195	478	229	154	880	478	372	249
14	322	335	222	417	187	478	225	*153	758	489	368	243
15	309	345	218	399	192	457	*226	162	655	549	362	232
16	297	345	216	388	185	*444	255	162	583	574	348	228
17	287	345	216	380	*178	429	255	159	537	630	342	219
18	318	348	218	375	171	438	285	158	501	645	330	218
19	345	345	215	*385	184	444	297	158	482	592	320	215
20	378	342	207	396	212	454	297	155	471	549	305	213
21	385	340	206	393	222	471	295	155	444	521	293	198
22	388	340	208	393	225	478	291	152	417	620	289	257
23	385	338	*209	402	235	493	287	152	393	592	281	279
24	*380	332	235	399	460	513	285	148	*372	596	*271	281
25	385	*313	255	396	872	509	283	145	380	601	264	348
26	385	303	261	390	1,020	501	281	146	478	588	270	620
27	390	297	259	385	944	485	273	143	537	553	259	960
28	396	301	254	368	960	471	*268	142	497	517	257	904
29	388	295	246	352	-	435	255	145	460	482	249	770
30	396	289	247	350	-	411	244	153	435	454	238	665
31	385	-	249	350	-	411	-	155	-	441	229	-
Total	12,048	10,054	7,394	11,150	9,434	16,899	8,647	5,173	13,824	16,095	10,112	10,280
Mean	389	335	239	360	337	545	288	167	461	519	326	343
Cfsm	1.01	0.870	0.621	0.935	0.875	1.42	0.748	0.434	1.20	1.35	0.847	0.891
In.	1.16	0.97	0.71	1.08	0.91	1.63	0.84	0.50	1.34	1.55	0.98	0.99

Calendar year 1941: Max 2,610 Min 84 Mean 406 Cfsm 1.05 In. 14.29
Water year 1941-42: Max 1,020 Min 142 Mean 359 Cfsm 0.932 In. 12.66

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1942 to September 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	592	122	90	54	76	*57	64	40	138	122	639	918
2	549	116	87	53	75	57	58	38	123	114	566	930
3	525	110	93	60	74	79	55	35	107	109	542	890
4	497	103	93	55	76	74	54	34	98	102	506	820
5	471	102	92	52	76	73	54	32	85	104	542	760
6	450	98	96	53	79	84	52	31	80	111	584	715
7	*420	100	97	55	83	130	*53	31	*74	99	615	691
8	388	98	116	58	67	159	52	29	77	99	594	720
9	358	92	*102	55	67	148	52	29	76	122	536	735
10	325	*92	98	55	72	132	52	27	88	154	518	735
11	303	92	102	53	*73	125	50	29	85	234	*509	770
12	273	81	92	55	66	113	52	28	100	349	497	795
13	251	84	93	58	65	98	49	24	138	398	480	785
14	228	83	85	60	64	92	44	*23	195	445	460	785
15	213	84	86	59	64	89	43	23	207	573	458	785
16	203	82	83	60	64	86	44	22	216	1,070	460	750
17	195	81	82	60	63	81	46	20	216	1,280	480	730
18	185	79	76	61	63	81	50	22	215	1,290	485	740
19	*180	79	73	73	63	*82	50	37	208	1,280	521	730
20	173	79	70	69	62	78	50	31	203	1,290	552	710
21	169	80	64	66	62	73	*49	26	175	1,290	598	*700
22	162	78	65	67	62	67	47	31	165	*1,260	643	700
23	160	79	63	67	63	64	47	41	*171	1,190	*682	665
24	155	*78	59	69	62	66	46	40	163	1,210	705	623
25	147	75	57	*67	61	66	44	44	145	1,170	780	578
26	145	81	60	67	60	70	43	58	142	1,110	810	530
27	139	79	60	83	58	69	43	79	151	*1,040	840	488
28	129	81	*54	84	58	63	42	79	152	954	835	456
29	130	85	55	80	-	62	41	101	142	875	800	424
30	126	88	53	78	-	62	38	113	134	780	780	401
31	123	-	52	77	-	64	-	123	-	691	840	-
Total	8,364	2,661	2,448	1,962	1,864	2,644	1,474	1,320	4,269	20,915	18,857	21,059
Mean	270	88.7	79.0	63.3	66.6	85.3	49.1	42.6	142	675	608	702
Cfsm	0.701	0.230	0.205	0.164	0.173	0.222	0.128	0.111	0.369	1.75	1.58	1.82
In.	0.81	0.26	0.24	0.19	0.18	0.26	0.14	0.13	0.41	2.02	1.82	2.03

Calendar year 1942: Max 1,020 Min 52 Mean 315 Cfsm 0.818 In. 11.13
Water year 1942-43: Max 1,290 Min 20 Mean 241 Cfsm 0.626 In. 8.49

* Discharge measurement made on this day.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1943 to September 1944

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	391	367	178	116	90	66	57	156	52	88	618	331
2	424	358	178	118	90	66	59	153	47	131	686	316
3	866	348	177	116	91	67	79	*150	42	165	638	299
4	1,260	342	175	114	86	67	89	142	40	174	662	285
5	1,240	334	171	112	87	65	88	135	*39	164	658	268
6	1,210	319	171	110	87	67	84	136	42	144	694	*253
7	1,270	314	169	110	83	69	83	133	55	124	634	242
8	1,240	309	166	111	83	61	84	120	53	107	534	238
9	1,190	a300	162	106	85	58	92	114	57	98	445	244
10	1,080	a290	159	*106	82	60	189	106	60	108	412	260
11	990	a280	155	106	83	63	202	102	69	154	489	283
12	908	a270	152	104	77	64	216	96	77	187	550	286
13	866	a265	148	104	75	65	228	93	80	204	564	290
14	826	a260	*147	106	85	65	214	90	87	202	606	304
15	788	a250	145	108	81	65	198	89	81	197	626	317
16	750	*241	132	106	81	66	180	87	79	204	755	331
17	679	232	129	106	*82	65	164	84	80	193	1,040	356
18	635	227	130	102	81	64	156	79	82	*187	1,060	374
19	*605	229	130	104	80	65	165	78	85	195	932	394
20	588	223	131	104	79	68	163	75	87	175	810	396
21	566	219	132	102	77	63	162	73	87	165	702	403
22	545	216	131	100	77	64	160	70	84	204	618	394
23	525	212	129	100	76	64	155	68	81	232	537	381
24	505	200	125	98	75	64	152	64	77	244	478	364
25	484	196	129	98	74	62	155	64	75	244	432	346
26	456	192	129	98	73	60	166	61	73	239	400	329
27	442	192	127	97	73	*60	186	58	72	244	377	319
28	428	191	126	96	72	62	171	57	73	340	354	314
29	408	191	122	95	71	59	163	54	79	442	348	302
30	394	183	120	93	-	57	159	49	81	486	348	302
31	385	-	118	92	-	57	-	50	-	540	340	-
Total	22,944	7,750	4,493	3,238	2,336	1,968	4,419	2,886	2,076	6,581	18,347	9,521
Mean	740	258	145	104	80.6	63.5	147	93.1	69.2	212	592	317
Cfsm	1.92	0.670	0.377	0.270	0.209	0.165	0.382	0.242	0.180	0.551	1.54	0.823
In.	2.22	0.75	0.43	0.31	0.23	0.19	0.43	0.28	0.20	0.64	1.77	0.92

Calendar year 1943: Max 1,290 Min 20 Mean 300 Cfsm 0.779 In. 10.58
Water year 1943-44: Max 1,270 Min 39 Mean 236 Cfsm 0.613 In. 8.37

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Istokpoga Canal near Cornwell.

Discharge, in cubic feet per second, water year October 1944 to September 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	286	370	139	115	105	71	a39	17	10	259	*1,620	600
2	274	352	130	98	106	72	a38	17	9.6	302	1,430	592
3	265	336	126	107	108	72	a37	18	10	330	1,290	582
4	255	317	126	107	107	70	a36	16	9.4	364	1,150	595
5	247	299	127	106	107	73	a35	15	9.0	378	1,040	626
6	236	281	127	109	109	71	a34	15	9.2	378	954	690
7	228	265	131	116	103	65	a33	14	9.4	383	881	909
8	223	255	125	122	101	61	a32	14	15	374	824	1,070
9	224	247	119	141	96	57	a31	13	14	339	842	1,110
10	217	244	118	143	96	56	a31	12	11	322	854	1,060
11	209	226	115	141	96	54	a30	12	10	327	800	*1,000
12	202	217	108	138	97	56	a29	13	9.6	333	765	962
13	196	214	*110	139	100	*55	a28	12	9.4	374	746	1,070
14	183	210	106	134	91	56	a27	13	9.2	493	714	1,210
15	180	206	105	135	90	56	a27	20	9.0	770	686	1,400
16	179	202	107	133	89	54	a26	17	8.6	1,030	660	3,450
17	179	195	107	129	87	a53	*25	18	8.4	1,100	638	6,400
18	a250	187	106	132	85	a52	24	15	8.2	1,120	638	6,340
19	a350	186	106	133	81	a51	26	14	7.8	1,170	660	5,950
20	394	186	104	133	86	a50	26	13	7.2	1,270	690	5,510
21	423	174	107	131	90	a50	26	13	7.2	1,410	686	5,000
22	475	169	109	133	88	a49	27	*13	7.6	1,870	678	4,540
23	489	168	111	128	79	a48	27	12	22	2,710	686	4,150
24	480	164	111	*124	73	a47	23	12	131	2,990	690	3,710
25	480	162	112	125	77	a46	23	12	106	2,990	682	3,280
26	480	160	112	125	80	a45	22	11	*128	3,160	698	2,870
27	468	159	113	121	77	a44	20	11	128	2,940	702	2,480
28	448	156	111	121	75	a43	20	11	149	2,570	670	2,210
29	432	160	111	120	-	a42	20	10	158	2,260	652	1,980
30	416	146	111	115	-	a41	17	10	208	2,040	642	1,750
31	*396	-	115	112	-	a40	-	10	-	1,840	614	-
Total	9,764	6,613	3,565	3,866	2,577	1,700	839	423	1,238.8	38,196	25,282	73,096
Mean	315	220	115	125	92.0	54.8	28.0	13.6	41.3	1,232	816	2,437
Cfsm	0.818	0.571	0.299	0.325	0.239	0.142	0.073	0.035	0.107	3.20	2.12	6.33
In.	0.94	0.64	0.34	0.37	0.25	0.16	0.08	0.04	0.12	3.69	2.44	7.06

Calendar year 1944: Max 1,060 Min 39 Mean 195 Cfsm 0.506 In. 6.89
Water year 1944-45: Max 6,400 Min 7.2 Mean 458 Cfsm 1.19 In. 16.13

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Istokpoga Canal near Cornwell.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1945 to September 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,570	509	264	238	148	89	a67	a41	59	73	a230	363
2	1,380	495	260	228	139	91	a67	a40	70	94	a260	352
3	1,270	481	256	224	138	89	a66	a40	102	124	a300	339
4	1,240	465	264	224	137	90	a66	a41	117	149	a330	323
5	1,200	439	263	227	136	89	a65	a41	121	156	a360	317
6	1,100	428	256	225	133	a89	a64	a40	111	156	a380	319
7	976	418	255	220	127	a88	a64	a37	110	168	a390	319
8	869	413	248	215	124	a87	a63	35	102	173	a400	356
9	*792	406	247	214	124	a86	a62	37	96	173	a400	413
10	716	400	242	207	124	a85	62	37	95	180	a400	442
11	707	389	234	207	116	a84	62	36	88	a173	a400	440
12	928	391	227	199	111	a83	60	36	88	a166	a400	424
13	1,130	391	228	195	113	a82	56	32	79	a154	a400	445
14	1,140	387	228	194	108	a81	58	*34	84	a145	a390	a460
15	1,090	366	225	197	98	a80	60	36	79	a133	a380	a470
16	1,320	341	214	198	100	a80	63	38	70	*121	a370	a480
17	1,230	358	208	191	98	a79	57	40	65	a110	a370	a510
18	1,090	352	221	190	96	a78	*52	43	63	a105	a360	a520
19	976	344	*217	189	95	a77	53	46	*66	a100	a360	a550
20	869	341	204	188	91	a76	52	63	63	a110	a350	a590
21	847	*331	202	184	87	a76	51	64	60	a140	*345	a630
22	725	326	204	182	88	a75	51	79	55	a165	341	a670
23	707	308	203	*184	86	a74	50	82	47	a180	337	a700
24	666	301	203	189	82	a73	51	87	45	a190	348	a700
25	638	297	206	184	79	a72	53	87	42	a195	374	*672
26	624	290	199	182	82	a72	a51	88	44	a200	399	673
27	582	289	197	176	*82	a71	a49	84	50	a205	429	650
28	560	284	198	170	89	a71	a47	75	53	a210	420	631
29	554	277	203	164	-	a70	a44	68	53	a210	a398	602
30	536	271	203	163	-	a69	a42	62	58	a215	376	613
31	527	-	246	157	-	a68	-	60	-	a220	374	-
Total	28,559	11,088	7,025	6,105	3,031	2,474	1,708	1,629	2,235	4,893	11,371	14,973
Mean	921	370	227	197	108	79.8	56.9	52.5	74.5	158	367	499
Cfsm	2.39	0.961	0.590	0.512	0.281	0.207	0.148	0.136	0.194	0.410	0.953	1.30
In.	2.76	1.07	0.68	0.59	0.29	0.24	0.16	0.16	0.22	0.47	1.10	1.45

Calendar year 1945: Max 6,400 Min 7.2 Mean 531 Cfsm 1.38 In. 18.72
Water year 1945-46: Max 1,570 Min 32 Mean 261 Cfsm 0.678 In. 9.19

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Istokpoga Canal near Cornwell.

Discharge, in cubic feet per second, water year October 1946 to September 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	585	254	180	110	97	166	336	232	234	*1,380	1,270	1,410
2	540	298	156	109	84	338	327	220	265	1,350	1,240	1,380
3	511	294	*171	104	93	414	347	205	290	1,320	1,230	1,270
4	486	288	152	101	93	480	345	190	306	1,290	1,190	1,200
5	472	284	148	100	81	472	325	180	317	1,140	*1,160	1,160
6	472	280	152	98	92	431	308	171	323	1,050	1,210	1,230
7	534	282	152	*99	101	406	294	165	319	964	1,190	1,480
8	585	274	149	97	90	404	278	158	317	940	1,190	1,580
9	546	267	145	90	87	392	263	162	304	940	1,450	*1,580
10	531	267	147	88	*86	380	256	179	298	869	1,770	1,530
11	525	259	144	93	87	363	245	190	296	780	1,900	1,450
12	519	252	144	96	87	343	232	190	304	730	1,870	1,380
13	494	234	139	96	91	332	240	191	310	780	1,810	1,300
14	472	225	140	96	138	334	249	191	411	970	1,730	1,210
15	444	224	136	98	174	336	271	188	550	920	1,600	1,120
16	426	224	138	98	187	323	278	183	850	820	1,520	1,040
17	414	218	134	98	187	321	267	176	1,250	780	1,500	964
18	399	210	131	98	180	*315	256	170	1,600	750	1,430	2,980
19	382	200	125	101	177	350	252	164	1,750	730	1,350	5,000
20	368	202	129	104	188	451	258	155	1,800	720	1,320	5,170
21	355	200	125	94	202	497	261	148	1,800	710	1,300	5,100
22	340	196	109	84	202	500	*258	142	1,850	700	1,260	5,000
23	330	185	113	91	205	491	256	134	1,850	680	1,240	5,470
24	320	185	114	97	195	480	259	136	1,800	680	1,370	5,410
25	310	185	109	97	187	464	259	131	1,750	720	1,710	5,200
26	300	182	109	98	176	451	258	*128	1,680	920	1,650	4,960
27	290	176	110	98	159	438	250	147	1,620	1,060	1,710	4,540
28	*278	171	109	98	152	416	241	156	1,550	1,260	1,530	4,220
29	274	166	112	100	-	390	238	166	1,500	1,380	1,460	3,930
30	267	171	110	100	-	373	243	171	1,430	1,350	1,480	3,740
31	263	-	110	100	-	352	-	196	-	1,320	1,430	-
Total	13,032	6,855	4,142	3,031	3,878	12,203	8,150	5,315	28,924	30,003	45,270	83,004
Mean	420	228	134	97.8	138	394	272	171	964	968	1,460	2,767
Cfsm	1.09	0.592	0.348	0.254	0.358	1.02	0.706	0.444	2.50	2.51	3.79	7.19
In.	1.26	0.66	0.40	0.29	0.37	1.18	0.79	0.51	2.79	2.90	4.37	8.02

Calendar year 1946: Max 700 Min 32 Mean 198 Cfsm 0.514 In. 7.00
Water year 1946-47: Max 5,470 Min 81 Mean 668 Cfsm 1.74 In. 23.54

* Discharge measurement made on this day.
Note.--No gage-height record Oct. 21-27, June 15-30, July 11 to Aug. 4; discharge estimated on basis of recorded range in stage, records for nearby stations, and weather records.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1947 to September 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,530	869	471	400	610	292	174	179	133	90	1,670	1,410
2	3,250	869	*468	389	593	289	164	177	124	89	1,660	1,470
3	3,100	836	468	378	576	277	165	172	124	95	1,580	1,430
4	2,980	814	468	372	565	261	170	171	124	98	1,530	1,420
5	2,840	781	465	360	*554	248	176	171	121	112	1,460	1,360
6	2,700	761	459	354	536	252	172	170	123	129	1,360	1,310
7	2,620	734	453	346	506	248	172	164	118	135	1,300	1,260
8	2,460	725	450	339	488	241	172	156	112	139	1,220	1,270
9	2,330	673	441	*333	481	242	168	159	108	145	1,150	1,330
10	2,330	659	436	328	471	235	165	155	106	148	*1,080	1,420
11	2,300	659	431	322	456	225	176	152	110	145	1,010	1,500
12	2,260	652	423	324	450	215	171	164	115	140	962	1,500
13	2,280	638	418	333	444	193	170	154	118	134	962	1,480
14	2,230	631	413	331	428	195	165	145	119	139	938	*1,400
15	2,120	624	426	328	402	*195	*210	140	115	140	930	1,360
16	1,940	604	468	328	400	190	245	140	119	139	938	1,380
17	1,790	582	471	331	395	183	243	140	113	139	916	1,390
18	1,660	576	468	333	389	185	241	145	110	147	994	1,420
19	1,570	571	468	331	384	190	240	*145	111	162	1,090	1,390
20	1,450	560	468	337	376	185	234	149	111	179	1,160	1,340
21	1,320	540	468	366	366	187	231	154	113	202	1,170	1,340
22	1,200	532	465	382	358	187	225	147	110	252	1,110	2,800
23	1,120	527	462	393	344	183	215	142	105	254	1,080	7,180
24	1,050	518	456	434	337	170	207	139	102	261	1,150	7,040
25	1,120	502	450	498	333	166	195	136	98	319	1,210	6,510
26	1,120	484	439	540	328	171	185	135	98	385	1,260	5,950
27	1,080	478	431	571	321	174	180	142	95	414	1,310	5,780
28	*1,040	474	423	599	312	164	179	138	*94	446	1,390	6,400
29	1,000	484	416	604	299	152	176	140	94	525	1,420	6,510
30	952	481	409	610	-	159	177	142	91	1,030	1,410	6,260
31	892	-	404	617	-	172	-	135	-	1,530	1,380	-
Total	59,634	18,838	13,856	12,511	12,502	6,426	5,763	4,698	3,334	8,262	37,800	83,610
Mean	1,924	628	447	404	431	207	192	152	111	267	1,219	2,787
Cfsm	5.00	1.63	1.16	1.05	1.12	0.538	0.499	0.395	0.288	0.694	3.17	7.24
In.	5.76	1.82	1.34	1.21	1.21	0.62	0.56	0.45	0.32	0.80	3.65	8.08

Calendar year 1947: Max 5,470 Min 81 Mean 855 Cfsm 2.22 In. 30.14
Water year 1947-48: Max 7,180 Min 89 Mean 730 Cfsm 1.90 In. 25.82

* Discharge measurement made on this day.

Discharge, in cubic feet per second, water year October 1948 to September 1949

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,780	758	446	276	170	102	77	57	28	106	334	2,780
2	5,370	742	*457	276	164	102	78	64	42	118	302	2,630
3	6,120	724	451	276	165	97	76	65	37	127	285	2,330
4	6,510	702	444	274	166	99	75	72	33	116	273	2,090
5	6,400	685	438	271	164	102	78	75	32	105	297	1,870
6	5,780	673	431	265	161	97	*76	70	31	100	316	1,640
7	5,200	650	426	254	161	92	78	67	28	102	336	1,490
8	4,570	642	421	252	156	93	76	65	27	115	330	1,350
9	4,030	631	414	249	154	93	75	64	30	114	316	1,220
10	3,530	620	392	243	151	94	75	63	36	106	315	1,090
11	3,130	602	392	238	135	87	73	61	41	104	321	1,000
12	2,820	592	387	238	143	87	72	63	70	114	368	916
13	2,590	578	382	232	142	88	67	60	68	122	463	848
14	2,330	568	375	*225	138	88	67	58	72	118	504	800
15	2,100	559	370	220	140	85	84	57	91	124	481	765
16	1,940	543	366	224	138	85	119	56	113	212	453	726
17	1,800	537	361	218	129	87	92	55	90	190	434	694
18	1,640	*528	356	217	130	86	87	51	86	172	*428	663
19	1,490	531	352	218	130	82	83	*47	93	212	429	646
20	1,360	522	341	205	129	82	79	46	106	205	431	626
21	*1,240	514	334	202	127	83	78	45	108	191	434	602
22	1,180	508	332	200	125	83	75	43	137	182	438	605
23	1,110	508	327	200	122	92	73	41	131	175	426	632
24	1,040	489	319	196	*120	93	68	38	123	190	413	605
25	986	467	321	191	119	93	63	34	128	207	423	592
26	938	459	290	190	118	92	62	32	203	222	408	598
27	902	457	296	190	119	88	60	31	154	275	895	590
28	867	470	298	188	106	86	60	30	127	351	2,550	595
29	841	467	300	177	-	88	61	32	116	296	3,080	755
30	810	451	288	177	-	83	56	31	*110	259	3,030	1,080
31	780	-	278	180	-	79	-	29	-	356	*2,990	-
Total	85,184	17,177	11,385	6,962	3,922	2,788	2,243	1,602	2,491	5,386	22,503	32,828
Mean	2,748	573	367	225	140	89.9	74.8	51.7	83.0	174	726	1,094
Cfsm	7.14	1.49	0.953	0.584	0.364	0.234	0.194	0.134	0.216	0.452	1.89	2.84
In.	8.23	1.66	1.10	0.67	0.38	0.27	0.22	0.15	0.24	0.52	2.17	3.17

Calendar year 1948: Max 7,180 Min 89 Mean 789 Cfsm 2.05 In. 27.89
Water year 1948-49: Max 6,510 Min 28 Mean 533 Cfsm 1.38 In. 18.78

* Discharge measurement made on this day.

Arbuckle Creek near De Soto City, Fla.--Continued

Discharge, in cubic feet per second, water year October 1949 to September 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,340	419	226	147	*109	76	56	31	47	57	55	80
2	1,550	398	222	144	108	62	57	34	44	62	55	78
3	1,780	382	212	145	107	66	61	32	45	68	53	80
4	1,860	356	206	147	102	68	61	36	44	96	52	119
5	*1,860	346	198	144	95	68	62	35	40	110	49	169
6	1,780	326	194	142	100	68	39	34	*36	*103	49	201
7	1,640	316	192	133	102	69	*51	32	40	93	52	211
8	1,570	311	188	123	96	67	53	32	38	90	55	214
9	1,490	*304	183	*132	99	54	55	27	34	93	57	201
10	1,360	301	186	130	100	57	53	29	33	90	68	177
11	1,230	294	185	128	99	62	49	28	31	85	73	157
12	1,130	292	181	127	100	62	46	30	33	79	75	144
13	1,020	292	175	126	103	61	44	28	34	74	80	133
14	946	306	170	124	100	56	39	30	51	71	*80	126
15	888	296	170	128	91	*60	33	29	49	71	79	126
16	841	284	147	126	83	61	31	28	49	64	77	111
17	792	284	161	124	79	53	35	29	44	64	88	102
18	748	280	163	122	80	54	38	26	39	100	94	92
19	715	277	157	120	82	56	34	29	36	*97	93	86
20	681	277	154	118	79	61	30	32	36	90	91	84
21	646	277	154	116	81	61	23	31	38	90	84	*78
22	627	257	*154	115	85	64	25	35	75	130	79	75
23	599	261	149	117	*80	64	26	*34	66	120	75	72
24	572	268	127	119	77	60	*26	41	63	109	73	68
25	555	268	147	119	76	61	28	50	61	96	68	65
26	531	248	152	118	75	65	27	47	56	85	66	67
27	510	257	152	115	67	75	29	45	52	77	65	76
28	492	255	147	113	73	70	31	46	54	71	62	96
29	478	*250	145	113	-	63	31	46	54	64	71	91
30	480	246	144	113	-	53	31	49	59	60	*78	91
31	452	-	147	112	-	50	-	47	-	57	78	-
Total	31,163	8,928	5,288	3,900	2,528	1,927	1,204	1,082	1,381	2,616	2,174	3,470
Mean	1,005	298	171	126	90.3	62.2	40.1	34.9	46.0	84.4	70.1	116
Cfsm	2.61	0.774	0.444	0.327	0.235	0.162	0.104	0.091	0.119	0.219	0.182	0.301
In.	3.01	0.86	0.51	0.38	0.24	0.19	0.12	0.10	0.13	0.25	0.21	0.34

Calendar year 1949: Max 3,080 Min 28 Mean 345 Csm 0.896 In. 12.17
Water year 1949-50: Max 1,860 Min 23 Mean 180 Csm 0.468 In. 6.34
Calendar year 1950: Max 1,370 Min 23 Mean 129 Csm 0.335 In. 4.56

* Discharge measurement made on this day.

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	373	1,210	350	156	212	133	316	333	*90	1,060	418	1,960
2	366	1,130	347	164	218	127	*314	318	83	972	422	2,100
3	364	1,060	334	158	232	131	320	302	68	880	420	*2,020
4	360	1,000	318	150	238	129	302	286	82	787	410	1,950
5	366	944	315	182	236	105	304	273	113	715	418	1,790
6	381	902	292	*160	241	107	312	257	304	659	*448	1,720
7	395	842	292	164	232	111	302	248	465	604	458	1,650
8	410	790	287	170	229	104	286	244	679	579	455	1,660
9	425	765	275	203	220	95	286	271	724	586	458	1,740
10	428	735	266	255	218	*107	286	273	618	541	465	1,790
11	417	695	234	248	216	111	280	266	559	520	478	1,880
12	399	660	238	245	214	109	294	*257	651	484	490	1,900
13	*397	630	234	255	190	114	331	246	910	*470	496	1,770
14	395	614	229	259	186	136	353	233	916	458	493	1,610
15	401	590	*223	262	182	158	393	219	769	442	496	1,540
16	425	558	227	262	172	162	412	209	651	428	493	1,510
17	423	538	227	266	166	160	428	197	572	418	490	1,540
18	542	522	223	268	148	168	450	190	526	410	547	1,700
19	830	510	220	266	156	166	462	179	490	395	610	1,950
20	1,350	500	218	266	*164	162	450	173	462	381	604	2,050
21	2,260	478	207	259	152	172	*450	165	442	369	586	2,060
22	2,670	461	199	255	144	203	442	161	420	362	572	2,110
23	2,650	447	197	268	138	218	430	150	410	369	550	2,070
24	2,460	434	194	268	142	238	415	143	*425	369	532	2,010
25	2,230	427	188	243	140	241	400	137	458	364	532	*1,950
26	2,020	414	184	241	144	243	393	128	667	369	568	1,890
27	*1,860	399	176	243	133	255	376	119	932	378	647	1,990
28	1,720	372	166	238	127	273	358	106	1,090	400	778	2,200
29	1,520	370	164	*223	-	280	355	98	1,130	395	954	2,220
30	1,380	364	168	220	-	295	353	95	1,110	398	1,130	2,240
31	1,290	-	178	218	-	313	-	92	-	412	1,520	-
Total	31,507	19,361	7,370	7,015	5,190	5,326	10,853	6,368	16,816	15,974	17,938	56,570
Mean	1,016	645	238	226	185	172	362	205	561	515	579	1,886
Cfsm	2.64	1.68	0.618	0.587	0.481	0.447	0.940	0.532	1.46	1.34	1.50	4.90
In.	3.04	1.87	0.71	0.68	0.50	0.51	1.05	0.62	1.62	1.54	1.73	5.46

Calendar year 1952: Max 2,670 Min 71 Mean 296 Cfsm 0.769 In. 10.46
Water year 1952-53: Max 2,670 Min 68 Mean 549 Cfsm 1.43 In. 19.33

* Discharge measurement made on this day.

Josephine Creek near De Soto City, Fla.

Location.--Lat 27°22'26", long. 81°23'37", in SE¼ 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.--108 sq mi (excludes area drained by Lake Sebring).

Records available.--October 1946 to September 1953.

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.--7 years, 114 cfs.

Extremes.--Maximum discharge during year, 689 cfs Sept. 19 (gage height, 7.03 ft); minimum, 4.5 cfs June 3 (gage height, 2.27 ft).
1946-53: 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 (gage height, 2.55 ft, site and datum then in use).

Remarks.--Records good. Small seasonal diversions for irrigation of citrus groves above station.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Dec. 5		Dec. 6 to Sept. 30			
4.2	67	2.4	7.3	5.0	136
4.5	83	3.0	21	5.5	206
5.0	126	3.5	37	6.0	312
5.6	189	4.0	57	7.0	675
		4.5	86		

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	106	138	73	50	46	38	22	23	*8.6	231	204	290
2	102	134	72	49	47	37	*22	22	8.6	220	202	293
3	99	131	70	50	59	36	22	21	7.5	211	203	*288
4	96	127	70	49	57	36	22	21	8.2	204	*198	293
5	92	123	68	47	54	35	21	20	20	198	211	288
6	90	120	67	*46	51	34	20	19	124	194	217	296
7	93	120	65	*46	50	34	20	20	146	188	217	349
8	100	116	63	46	57	33	20	21	115	184	217	386
9	109	112	62	57	55	32	20	23	95	182	224	426
10	102	109	61	70	53	*31	19	21	86	186	231	443
11	98	106	60	66	51	31	19	20	84	194	233	443
12	95	106	58	62	50	31	19	*19	85	198	233	436
13	*93	104	56	59	49	30	34	18	95	194	229	426
14	99	100	61	57	47	37	39	18	94	188	229	412
15	108	98	61	55	49	34	34	17	89	*182	231	426
16	144	96	59	54	49	32	33	16	104	176	226	436
17	137	95	57	53	46	31	32	16	104	173	231	*465
18	150	92	55	52	45	30	30	15	108	170	248	517
19	148	89	55	52	43	28	30	15	108	168	242	670
20	161	90	54	51	*43	28	29	15	108	166	235	622
21	*182	92	54	51	42	28	*27	14	103	163	226	564
22	179	90	53	50	42	35	26	14	98	163	222	552
23	174	87	52	50	42	34	25	13	108	166	216	540
24	173	84	51	57	42	32	25	13	*153	170	*211	521
25	169	82	51	56	41	30	21	12	153	169	208	502
26	164	81	50	52	40	29	25	12	191	175	206	483
27	161	79	50	50	40	27	26	12	268	185	222	540
28	158	78	49	49	39	26	24	11	273	191	250	617
29	154	76	49	*48	-	25	24	10	259	191	280	605
30	149	74	48	47	-	24	23	9.3	244	200	290	584
31	143	-	49	46	-	23	-	8.6	-	209	288	-
Total	4,028	3,029	1,803	1,627	1,329	971	753	508.9	3,447.9	5,789	7,080	13,713
Mean	130	101	58.2	52.5	47.5	31.3	25.1	16.4	115	187	228	457
Cfsm	1.20	0.935	0.539	0.486	0.440	0.290	0.232	0.152	1.06	1.73	2.11	4.23
In.	1.39	1.04	0.62	0.56	0.46	0.33	0.26	0.18	1.19	1.99	2.44	4.72

Calendar year 1952: Max 182 Min 16 Mean 72.2 Cfsm 0.669 In. 9.10
Water year 1952-53: Max 670 Min 7.5 Mean 121 Cfsm 1.12 In. 15.18

* Discharge measurement made on this day.

Istokpoga Canal near Cornwell, Fla.

Location.--Lat 27°24'01", long. 81°09'35", in sec. 30, T. 35 S., R. 32 E., on right bank 30 ft downstream from old highway bridge, a quarter of a mile downstream from Seaboard Air Line Railroad bridge, 1½ miles upstream from Kissimmee River, and 4½ miles northwest of Cornwell.

Drainage area.--624 sq mi.

Records available.--March 1934 to September 1953.

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, water-stage recorder and May 15, 1942, to Aug. 19, 1949, staff gage, at same site and datum. Since June 3, 1953, auxiliary water-stage recorder 1¾ miles upstream.

Average discharge.--19 years, 418 cfs.

Extremes.--Maximum daily discharge during year, 1,810 cfs Sept. 28; maximum gage height, 9.48 ft Sept. 30; minimum daily discharge, 79 cfs Apr. 12; minimum gage height, 5.47 ft Mar. 21.

1934-53: Maximum discharge, 2,040 cfs Sept. 22, 1948; maximum gage height, 10.62 ft Oct. 6, 1948; 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 Istokpoga Lake into Indian Prairie and Harney Pond Canals when levees on southeast shore of lake are overtopped or washed out.

Revisions.--WSP 1204: Drainage area.

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	401	877	602	312	194	202	136	553	*338	664	699	*983
2	406	857	607	210	*198	202	*116	543	316	647	678	1,020
3	411	842	607	206	226	198	119	528	289	645	688	1,060
4	411	822	592	194	218	202	122	514	312	648	*672	1,120
5	425	798	592	171	210	202	126	504	333	653	682	1,120
6	406	788	582	164	202	194	116	489	432	661	664	1,160
7	367	778	582	*153	210	194	113	474	459	648	675	1,210
8	440	763	572	150	243	198	113	489	470	654	680	1,220
9	499	744	577	175	230	191	103	504	488	660	684	1,270
10	499	744	582	194	218	*179	97	494	496	673	683	1,310
11	489	729	587	194	222	171	91	489	502	710	676	1,330
12	484	724	562	134	222	164	79	*489	506	696	683	1,330
13	499	710	528	191	218	168	122	489	513	*684	682	1,350
14	*548	705	499	191	210	222	168	484	521	679	669	1,370
15	548	695	*484	187	255	202	214	479	521	679	660	1,410
16	558	685	445	191	222	183	234	479	528	664	650	1,410
17	553	675	430	194	218	164	243	484	553	653	674	*1,430
18	651	675	425	198	214	143	259	479	568	658	703	1,560
19	680	665	411	206	202	126	294	479	552	664	700	1,770
20	744	675	406	210	*191	106	298	484	550	658	761	1,770
21	808	680	406	210	194	97	*298	474	542	641	720	1,740
22	867	670	401	210	206	126	294	464	544	645	706	1,780
23	921	656	391	202	214	116	285	460	*552	647	717	1,720
24	981	646	386	234	218	113	396	450	554	667	711	1,670
25	1,040	636	381	222	218	119	464	440	593	658	*716	*1,670
26	1,060	636	372	214	218	103	484	435	617	658	752	1,690
27	1,060	636	367	202	222	100	558	425	637	670	861	1,760
28	1,040	631	362	202	210	109	572	391	641	688	956	1,810
29	996	626	353	198	-	126	558	362	646	673	1,070	1,770
30	941	616	343	191	-	139	562	357	658	673	977	1,760
31	*902	-	357	194	-	146	-	353	-	699	970	-
Total	20,635	21,384	14,791	6,164	6,023	4,905	7,634	14,538	15,231	20,617	22,819	43,573
Mean	666	713	477	199	215	158	254	469	508	665	736	1,452
Cfsm	1.07	1.14	0.764	0.319	0.345	0.253	0.407	0.752	0.814	1.07	1.18	2.33
In.	1.23	1.27	0.88	0.37	0.36	0.29	0.45	0.87	0.91	1.23	1.36	2.60

Calendar year 1952: Max 1,060 Min 16 Mean 353 Cfsm 0.566 In. 7.68
Water year 1952-53: Max 1,810 Min 79 Mean 543 Cfsm 0.870 In. 11.82

* Discharge measurement made on this day.

Kissimmee River near Okeechobee, Fla.

Location.--Lat 27°14'18", long. 80°58'57", in sec. 24, 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 13 miles upstream from Lake Okeechobee.

Drainage area.--2,886 sq mi.

Records available.--October 1930 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 1.33 ft below mean sea level, datum of 1929. Prior to Apr. 28, 1949, staff gage at same site and datum.

Average discharge.--23 years, 1,965 cfs.

Extremes.--Maximum discharge during year, 8,440 cfs Sept. 28 (gage height, 26.84 ft); minimum, 1,250 cfs June 4 (gage height, 20.24 ft).

1930-53: Maximum discharge, 17,400 cfs Oct. 6, 7, 1948; maximum gage height, 29.34 ft Oct. 7, 1948; minimum discharge observed, 231 cfs May 18, 1932; minimum gage height, 17.60 ft Sept. 26, 1950.

Flood in 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.

Revisions.--WSP 1204: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Aug. 28		Aug. 29 to Sept. 30	
20.2	1,230	24.8	3,850
23.0	2,410	25.0	4,140
24.0	3,060	26.0	6,050
25.0	4,140	26.9	8,650
25.8	5,980		

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	2,010	5,490	2,830	2,040	1,680	1,490	1,440	1,560	1,290	1,600	1,820	6,430
2	2,070	5,320	2,790	2,020	1,680	1,490	1,460	1,570	1,270	1,590	1,830	6,610
3	2,120	5,120	2,760	2,010	1,700	1,470	1,480	1,570	1,260	1,580	1,820	6,640
4	2,130	4,900	2,730	1,980	1,690	1,470	1,490	1,580	1,250	1,580	1,810	6,850
5	2,160	4,720	2,700	1,970	1,670	1,440	1,510	1,580	1,270	1,590	1,830	7,010
6	2,250	4,580	2,660	1,940	1,670	1,420	1,530	*1,580	1,330	1,610	1,850	7,150
7	*2,380	4,440	2,630	1,920	1,660	1,420	1,550	1,610	1,390	1,610	1,860	7,340
8	2,400	4,320	2,600	1,890	1,670	1,400	1,560	1,590	1,380	1,610	1,870	7,430
9	2,380	4,200	2,570	1,910	1,660	1,390	1,550	1,580	1,370	1,600	1,890	*7,430
10	2,350	4,110	2,540	1,920	1,650	1,390	1,540	1,570	1,360	1,610	1,900	7,610
11	2,320	3,990	2,520	1,880	1,640	1,390	1,540	1,560	1,360	1,610	1,940	7,700
12	2,310	3,920	2,480	1,850	1,630	1,380	1,530	1,550	1,370	1,610	1,940	7,730
13	2,310	3,820	2,460	1,830	*1,610	1,410	1,550	1,540	1,370	1,630	1,960	7,860
14	2,320	3,750	2,440	1,820	1,610	1,690	1,580	1,520	1,420	1,650	1,980	7,460
15	2,320	3,680	2,420	1,810	1,610	1,620	1,590	1,510	*1,440	1,670	2,040	7,260
16	2,380	3,600	2,400	1,800	1,590	1,540	1,590	1,490	1,450	1,690	2,110	6,980
17	2,480	*3,510	2,370	1,790	1,590	1,490	1,570	1,480	1,450	1,690	2,170	6,870
18	3,110	3,450	2,340	1,770	1,570	1,470	1,570	1,470	1,440	1,700	2,240	6,930
19	3,590	3,380	2,320	1,760	1,570	1,440	1,560	1,450	1,450	1,680	2,300	7,010
20	4,220	3,360	2,280	1,750	1,570	1,420	1,530	1,470	1,460	1,660	2,400	7,170
21	5,540	3,310	2,250	1,750	1,560	1,410	1,530	1,470	1,470	1,640	2,530	7,430
22	5,630	3,250	2,220	1,730	1,550	1,460	1,520	1,450	1,480	1,630	2,720	7,550
23	5,570	3,200	2,190	1,730	1,570	1,500	1,520	1,430	1,490	1,650	3,040	7,730
24	5,490	3,140	2,160	1,760	1,570	*1,590	1,520	1,410	1,510	1,670	3,160	7,920
25	5,400	3,080	2,140	1,740	1,560	1,540	1,510	1,400	1,540	1,670	3,240	8,110
26	5,430	3,040	2,120	1,730	1,540	1,500	1,530	1,380	1,570	1,710	3,190	8,300
27	5,570	3,000	2,100	1,720	1,520	1,470	1,540	1,370	1,600	*1,730	3,180	8,370
28	5,690	2,950	2,090	1,720	1,510	1,460	1,530	1,350	1,610	1,750	3,300	8,400
29	5,750	2,900	2,070	1,710	-	1,440	1,530	1,340	1,620	1,770	3,880	8,340
30	5,660	2,860	*2,060	1,690	-	1,430	1,550	1,320	1,610	1,800	4,590	8,270
31	5,600	-	2,060	1,690	-	1,430	-	1,300	-	1,820	5,670	-
Total	110,940	114,390	74,300	56,630	45,100	45,460	46,000	46,050	42,880	51,410	78,060	223,890
Mean	3,579	3,813	2,397	1,827	1,611	1,466	1,533	1,485	1,429	1,658	2,518	7,463
Cfsm	1.24	1.32	0.831	0.633	0.558	0.508	0.531	0.515	0.495	0.574	0.872	2.59
In.	1.43	1.47	0.96	0.73	0.58	0.59	0.59	0.59	0.55	0.66	1.01	2.89

Calendar year 1952: Max 5,750 Min 1,220 Mean 2,010 Cfsm 0.696 In. 9.49
Water year 1952-53: Max 8,400 Min 1,250 Mean 2,562 Cfsm 0.888 In. 12.05

* Discharge measurement 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 1953. 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. Datum of gage is at mean sea level, datum of 1929 (levels by Corps of Engineers).

Extremes.--1952-53: Maximum daily discharge, 10,200 cfs Oct. 22, 1952. Lock closed on many days; net flow during these periods consists of leakage and lockage, generally less than 10 cfs.

Remarks.--Flow regulated by lock near Stuart. Lock closed Oct. 1-20 and Nov. 20 to Aug. 2.

Cooperation.--Records furnished by Corps of Engineers.

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	-	8,200									-	*7,020
2	-	8,200									-	7,080
3	-	8,200									1,080	7,010
4	-	8,050									3,550	7,020
5	-	*8,000									5,280	6,950
6	-	7,950									6,640	7,050
7	-	*7,900									7,180	7,380
8	-	7,750									7,150	7,450
9	-	7,700									6,900	7,360
10	-	7,800									6,700	7,420
11	-	*7,700									6,550	*7,550
12	-	7,650									*6,450	7,460
13	-	5,460									6,450	7,450
14	-	6,480									6,330	7,450
15	-	*5,950									6,560	7,510
16	-	5,300									6,500	7,550
17	-	*5,300									6,450	7,760
18	-	4,000									5,940	7,850
19	-	*2,360									5,900	8,250
20	-	-									*6,000	8,140
21	5,250	-									6,000	8,220
22	10,200	-									5,950	8,380
23	*9,100	-									5,950	8,390
24	9,150	-									5,950	8,250
25	10,000	-									5,900	8,220
26	*9,450	-									5,870	8,240
27	9,000	-									5,850	8,350
28	8,950	-									5,850	8,260
29	*8,700	-									6,550	*8,160
30	8,400	-									6,850	8,140
31	8,250	-									7,080	-
Total	-	-	-	-	-	-	-	-	-	-	-	231,320
Mean	-	-	-	-	-	-	-	-	-	-	-	7,711
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max - Min - Mean - Cfsm - In. -
Water year 1952-53: Max 10,200 Min - Mean - Cfsm - In. -

* Discharge measurement made on this day.
Note.--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°52', long. 80°38', in sec. 34, T. 41 S., R. 37 E., on right bank at upstream end of lock in Canal Point, 350 ft downstream from State Highway 15 and 550 ft downstream from outlet from Lake Okeechobee.

Records available.--November 1939 to September 1953.

Gage.--Staff gage read three times a day. Datum of gage is at mean sea level, datum of 1929. Since May 1940, auxiliary water-stage recorder below lock and dam.

Average discharge.--14 years, 178 cfs.

Extremes.--1939-53: Maximum daily discharge, 817 cfs Mar. 18, 1948; maximum gage height observed, 18.54 ft Oct. 23, 1947; maximum daily reverse flow, 1,760 cfs June 15, 1942; minimum gage height observed, 8.48 ft June 15-17, 1952.

Remarks.--Records fair. Flow regulated at station by manipulation of stoplogs in lock and dam and hurricane gates. Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumping from agricultural lands in Everglades. Discharge computed using three daily observations of velocity.

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	0	-321	130	389	379	298	425	458	586	256	-736	-333
2	0	0	288	378	*346	358	429	434	511	310	-701	-332
3	0	134	350	459	375	399	496	428	432	75	-564	-255
4	0	208	335	456	354	434	481	415	367	-5	-475	-285
5	0	133	373	344	345	424	506	390	329	227	-533	-170
6	0	119	357	*352	332	383	477	402	102	-343	-643	-40
7	-210	103	340	345	337	458	496	427	348	0	-728	-75
8	-351	0	*335	344	378	464	479	492	327	174	-736	-106
9	-332	0	354	364	297	379	417	484	362	*179	-636	*-393
10	-302	0	336	382	242	356	439	456	370	274	-627	-140
11	-241	0	486	469	292	410	463	466	*383	202	-622	-329
12	-175	0	389	373	293	388	443	488	368	490	-501	-201
13	-330	0	353	353	332	366	248	474	410	323	-321	-83
14	-384	0	361	371	316	372	226	*455	433	195	-209	0
15	-458	0	390	329	427	378	*337	440	333	-10	-536	-24
16	-503	0	433	340	354	411	239	440	452	-151	-596	-48
17	-438	0	361	333	360	440	283	424	442	132	-557	-216
18	-502	0	360	346	313	*357	322	437	468	124	-539	-193
19	-556	0	346	348	288	384	371	459	464	-281	*-587	-394
20	*-569	57	353	361	246	393	377	460	479	-91	-486	-373
21	-575	146	367	379	289	461	327	432	456	-104	-576	-75
22	-589	106	357	381	322	465	294	427	452	213	-546	-276
23	-482	113	359	296	338	434	379	454	419	203	-514	-326
24	-522	87	353	498	316	453	462	449	392	-496	-512	-328
25	-535	93	358	444	323	568	476	445	294	-525	-495	-403
26	-362	106	371	368	304	486	412	493	-220	-550	-477	-253
27	-515	112	406	329	*353	470	474	537	-362	-543	-466	-38
28	*-362	156	361	373	331	459	452	522	-369	-552	-447	26
29	253	118	372	376	-	464	395	433	-305	*-567	-321	0
30	495	150	359	354	-	444	412	463	-158	-615	-256	105
31	-454	-	401	392	-	409	-	481	-	-732	-427	-
Total	-8,999	1,620	11,094	11,626	9,182	12,965	12,037	14,065	8,565	-2,188	-16,370	-5,556
Mean	-290	54.0	358	375	328	418	401	454	286	-70.6	528	-185
Ac-ft	-17,850	3,210	22,000	23,060	18,210	25,720	23,880	27,900	16,990	-4,340	-32,470	-11,020

Calendar year 1952: Max 583 Min -589 Mean 204 Ac-ft 147,800
Water year 1952-53: Max 586 Min -736 Mean 132 Ac-ft 95,290

* 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 1953.

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.

Average discharge.--14 years, 1,064 cfs.

Extremes.--1939-53: Maximum daily discharge, 5,320 cfs Apr. 18, 1942; maximum gage height, 10.89 ft, present datum, Oct. 13, 1947; minimum daily discharge, 124 cfs May 1, 1945; minimum gage height, 2.97 ft May 7, 1941, present datum.
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. 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.

Cooperation.--Stoplog record furnished by Central and Southern Florida Flood Control District.

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	*1,490	2,400	932	704	880	392	452	537	360	1,130	1,850	1,900
2	1,540	2,380	1,060	716	908	400	428	480	*376	1,090	1,710	1,730
3	1,520	2,340	848	724	980	388	366	476	368	1,050	1,500	1,630
4	1,460	2,260	888	716	992	384	370	452	420	1,090	*1,360	1,600
5	1,550	2,180	795	692	932	*384	394	420	566	1,110	1,320	1,570
6	1,740	2,110	740	535	916	400	384	340	756	1,110	1,540	1,540
7	2,070	2,050	772	384	908	408	360	316	780	1,110	1,780	1,520
8	2,030	2,000	768	416	900	404	319	324	722	1,090	2,060	1,540
9	2,320	1,950	683	528	912	400	292	332	733	1,070	1,940	1,590
10	1,960	1,920	*616	732	880	384	288	352	696	1,060	1,870	1,770
11	1,860	1,880	632	724	844	368	316	368	644	1,040	1,760	1,880
12	1,920	1,850	644	712	*808	376	400	*360	624	1,070	1,600	1,840
13	1,950	1,840	648	708	764	432	440	352	604	1,100	1,710	1,730
14	2,020	1,790	664	708	736	500	520	352	600	*1,110	1,580	1,680
15	2,020	1,750	660	824	728	528	552	344	588	1,110	1,530	1,960
16	2,040	1,710	741	880	740	528	632	340	596	1,140	1,560	2,430
17	2,000	1,660	768	868	732	496	664	340	612	1,140	1,700	*2,860
18	1,970	1,640	744	844	704	472	656	332	612	1,110	1,690	3,520
19	2,000	1,610	728	812	664	464	732	320	596	1,070	1,630	4,020
20	*2,120	*1,580	724	784	632	432	764	336	588	1,060	1,670	4,020
21	2,250	1,560	740	*780	470	396	*736	368	632	1,030	1,700	3,850
22	2,340	1,510	740	772	396	400	680	400	696	990	1,770	3,730
23	2,560	1,460	740	740	440	440	624	404	688	1,070	1,750	3,720
24	2,640	1,420	728	776	692	564	568	400	*652	1,340	*1,710	3,490
25	2,800	1,380	712	860	724	655	532	384	640	1,360	1,670	3,250
26	2,750	1,280	704	852	664	680	532	352	684	1,420	1,610	2,990
27	2,820	1,170	696	824	458	*628	612	340	860	1,390	1,550	2,860
28	2,850	1,110	692	792	572	580	628	332	964	1,630	1,520	2,780
29	*2,730	1,010	*680	768	-	544	672	332	1,130	1,820	1,730	2,880
30	2,590	986	684	764	-	516	592	328	1,160	1,790	1,990	2,830
31	2,450	-	688	816	-	488	-	332	-	1,800	2,000	-
Total	66,360	51,786	22,859	22,755	20,776	14,431	15,445	11,445	19,927	37,500	52,360	74,710
Mean	2,141	1,726	737	734	742	466	515	369	664	1,210	1,689	2,490
Ac-ft	131,600	102,700	45,340	45,130	41,210	28,620	30,630	22,700	39,520	74,380	103,900	148,200

Calendar year 1952: Max 2,850 Min 232 Mean 901 Ac-ft 654,300
Water year 1952-53: Max 4,020 Min 288 Mean 1,124 Ac-ft 813,900

* Discharge measurement made on this day.

Boynton Canal at Boynton Beach, Fla.

Location.--Lat 26°32'20", long. 80°03'10", in NE¼ 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 intersections of U. S. Highway 1 and State Highway 804 in Boyton Beach.
Records available.--July 1941 to June 1943, October 1947, and November 1949 to September 1953 (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, staff gage at site 0.3 mile downstream at datum 0.25 ft higher.
Extremes.--1941-43, 1947, 1949-53: Maximum discharge observed, 2,720 cfs Apr. 18, 1942; minimum observed, 4.0 cfs Nov. 30, 1942.
Remarks.--Flow regulated by manipulation of stoplogs and drum gates in dams by Lake Worth Drainage District for irrigation and drainage. Some diversion by pumping above station for irrigation.

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

Oct. 2	598	Feb. 17	22.1	July 17	25.2
31	81.5	Mar. 18	22.2	Aug. 24	30.7
Nov. 26	29.2	Apr. 24	20.1	Sept.23	1,340
Dec. 31	21.6	May 20	20.5		
Jan. 21	21.1	June 19	20.1		

Hillsboro Canal near Deerfield Beach, Fla.

Location.--Lat 26°19'39", long. 80°07'52", in SW¼ 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 1953.
Gage.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers benchmark). Prior to Apr. 15, 1040, 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.
Average discharge.--14 years, 464 cfs.
Extremes.--1939-53: 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, 3.34 ft Aug. 18, 1949.
Remarks.--Records fair except those for periods of discharge below 300 cfs, which are poor. Flow regulated by Central & South 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.

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	913	1,520			200					515	1,190	1,500
2	*994	1,290	300		490					465	1,180	*1,400
3	964	1,110								460	1,160	1,330
4	984	1,160								495	1,140	1,320
5	1,110	1,070		70	90	(*)		60		490	1,140	1,280
6	1,270	1,050	200							443	1,160	1,260
7	1,220	1,000				60	50	(*)		390	1,210	1,260
8	1,210	985								410	1,200	1,300
9	1,200	967		1,410						430	1,210	1,300
10	1,180	952	90	1,330				70	60	440	*1,210	1,450
11	1,120	947	(*)	234						435	1,240	*1,450
12	1,130	887			(*)					559	1,220	1,430
13	1,120	849	140			98				515	1,240	1,380
14	1,100	844								460	1,080	1,410
15	1,100	829		110			80			*435	1,070	*1,640
16	1,100	811								475	1,070	1,670
17	1,080	791					(*)			475	1,080	1,730
18	1,110	682				50				455	1,090	2,250
19	1,100	*653		70	70					435	1,090	2,340
20	*1,220	742								415	1,090	2,160
21	1,180	691		(*)			50			405	1,100	2,060
22	1,150	620		100				60	200	390	1,120	*2,000
23	1,190	587								455	1,140	1,920
24	1,530	557	70	387		90			*426	783	1,170	1,860
25	1,920	446		260		(*)			660	1,060	1,200	1,780
26	1,730	342					210		595	1,300	1,160	1,740
27	2,230	371		130					670	1,310	1,140	1,720
28	2,190	389				50	60	(*)	730	1,120	1,140	1,760
29	1,800	394			-				695	1,050	1,300	1,760
30	*1,580	389			-				645	1,100	1,540	*1,740
31	1,480	-	(*)	300	-		-		-	1,190	1,630	-
Total	40,205	23,925	4,000	6,471	2,740	1,838	2,000	1,910	6,221	19,360	36,710	49,200
Mean	1,297	798	129	209	97.9	59.3	66.7	61.6	207	625	1,184	1,640
Ac-ft	79,750	47,450	7,930	12,840	5,430	3,650	3,970	3,790	12,340	38,400	72,810	97,590

Calendar year 1952: Max 2,230 Min - Mean 395 Ac-ft 286,700
Water year 1952-53: Max 2,340 Min - Mean 533 Ac-ft 386,000

* Discharge measurement made on this day.
Note.--Considerable leakage through spillway boards Nov. 2 to July 12. Leakage was 20 percent or more of total flow during bracketed periods. Leakage computed on basis of discharge measurements and records of dam operation. Records of stoplog operation furnished by Central & Southern Florida Flood Control District.

Middle River Canal near Fort Lauderdale, Fla.

Location.--Lat 26°10'20", long. 80°12'15", in NW¼ sec. 24, T. 49 S., R. 41 E., above control on U. S. Highway 441, 3½ miles upstream from mouth and 6½ miles northwest of Fort Lauderdale.

Records available.--October, November 1947, November 1949 to September 1953 (discharge measurements and field estimates).

Gage.--Reference mark in top of sheet piling retaining wall at southwest corner of bridge. Datum is at mean sea level, datum of 1929. Prior to Sept. 14, 1953, staff gage on left bank at upstream side of bridge. Readings weekly or oftener.

Extremes.--1947, 1949-53: Maximum discharge measured, 282 cfs Oct. 22, 1947; no flow at times.

Remarks.--Regulation by control dams at and below station. Diversion by pumps below station.

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

Oct.	13	26.1
	29	56.7
Feb.	11	13.4
Aug.	31	17.0

Note.--No flow Mar. 2 to Aug. 3.

Plantation Road Canal near Fort Lauderdale, Fla.

Location.--Lat 26°08'05", long. 80°12'10", in NE¼ sec. 1, T. 50 S., R. 41 E., at bridge on U. S. Highway 441, 1.0 mile upstream from mouth and 5 miles west of Fort Lauderdale.

Records available.--October, November 1947, November 1949 to September 1953 (discharge measurements and field estimates).

Gage.--Reference mark on southwest bridge abutment. Datum is at mean sea level, datum of 1929. Prior to Sept. 14, 1953, staff gage on right bank 40 ft upstream. Readings made weekly or oftener.

Extremes.--1947-53: Maximum discharge measured, 1,390 cfs Oct. 17, 1947; no flow at times.

Remarks.--Regulation by control dams at and above station.

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

Oct.	29	54.6	July	8	1.6
Mar.	18	2.0		20	2.0
Apr.	24	1.0	Aug.	24	1.7
May	20	.4	Sept.	14	6.6
	22	.4		28	50.3
June	15	.5			

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 1953 (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.

Average discharge.--14 years, 182 cfs.

Extremes.--1939-53: 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 fair except those for periods of no gage-height and/or point-velocity record, which are poor. Lock opened from Mar. 11 to Sept. 30, but 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.

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	20	91	-112	366	285	359	e480	542	465	246	e275	285
2	60	78	-118	316	*262	377	e445	432	391	246	e260	295
3	90	0	-114	359	401	332	406	461	398	230	e240	259
4	94	0	-63	351	184	359	517	407	411	283	e225	309
5	189	0	-89	307	339	439	512	464	408	393	e205	270
6	192	-41	-63	*305	157	436	400	410	404	344	187	307
7	204	0	-49	337	214	392	495	448	464	393	227	362
8	177	0	*-55	314	425	391	484	592	461	282	285	332
9	157	-35	-65	318	306	366	456	544	519	*303	351	314
10	189	-46	115	152	316	411	472	480	475	295	349	313
11	208	-97	271	84	282	392	e490	477	*521	252	389	e310
12	214	0	192	222	296	521	e505	462	464	e245	241	309
13	266	0	172	335	342	533	e520	*526	482	e240	293	266
14	281	-17	201	340	282	459	e535	474	510	e235	235	279
15	273	-61	223	423	362	364	*553	560	541	227	263	380
16	86	e-70	202	333	353	421	596	485	519	280	199	*346
17	91	-83	200	342	377	516	548	481	563	330	355	470
18	318	-60	206	278	413	*405	524	454	489	296	292	e490
19	382	-76	200	256	356	436	625	397	501	261	*226	516
20	323	-81	193	255	296	568	642	564	486	325	316	460
21	444	*-65	202	307	355	497	553	507	505	259	324	395
22	e410	-107	198	294	399	484	507	409	335	296	241	377
23	e375	-106	189	253	452	449	501	542	93	320	219	451
24	e340	-69	174	362	389	618	417	430	89	567	347	381
25	e305	-126	181	110	383	566	482	502	187	e480	300	413
26	272	-104	272	177	311	514	e490	500	402	e395	238	323
27	225	-128	360	297	*373	474	504	510	352	307	217	179
28	*124	-106	234	297	427	460	493	450	363	271	174	320
29	172	-105	217	285	-	585	434	510	302	*301	302	264
30	116	-137	304	295	-	e550	422	434	274	313	423	234
31	61	-	321	274	-	e515	-	391	-	e295	471	-
Total	6,658	-1,551	4,099	8,944	9,337	14,189	15,008	14,845	12,374	9,420	8,669	10,209
Mean	215	-51.7	132	289	333	458	500	479	412	304	280	340
Ac-ft	13,210	-3,080	8,130	17,740	18,520	28,140	29,770	29,440	24,540	18,680	17,190	20,250

Calendar year 1952: Max 677 Min -137 Mean 253 Ac-ft 183,300
Water year 1952-53: Max 642 Min -137 Mean 307 Ac-ft 222,500

* Discharge measurement made on this day.
e No gage-height and/or point-velocity record; discharge estimated by interpolation.
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 SW¼ sec. 14, T. 50 S., R. 41 E., on right bank 20 ft upstream from lock and dam on State Highway 84, 6 miles southwest of Fort Lauderdale.

Records available.--November 1939 to September 1953.

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. Auxillary water-stage recorder at downstream end of lock chamber. Aug. 1, 1947, to July 20, 1950, at site 500 ft downstream.

Average discharge.--14 years, 587 cfs.

Extremes.--1939-53: 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 above 300 cfs and poor below. Flow regulated at and above station by dams for irrigation, drainage, and flood and fire control. Several small diversions above station for irrigation.

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	948	1,840	664	352	674					861	967	1,170
2	1,000	1,850	656	368	736	220			110	578	951	*1,150
3	1,060	1,860	664	388	786					559	923	1,130
4	1,070	1,760	672	368	786					544	887	1,100
5	1,110	*1,650	672	328	754	150		130	300	544	885	1,080
6	1,120	1,340	672	344	738					551	902	1,070
7	a1,130	1,340	656	344	754					528	907	1,060
8	a1,260	1,360	680	*360	818		140			543	1,070	1,070
9	a1,300	1,380	672	610	810					559	1,040	963
10	a1,270	1,370	720	868	810	100		150		559	1,010	990
11	a1,230	1,390	800	784	810					559	831	1,000
12	a1,270	1,280	768	752	802	(*)			*90	582	*823	1,020
13	a1,280	1,140	756	732	786					593	829	1,030
14	1,220	1,270	1,010	716	786	110		130		586	829	1,090
15	1,190	1,240	935	684	794					559	860	1,150
16	1,230	1,020	896	680	738					551	872	1,180
17	1,190	884	925	566	*706					523	870	1,180
18	1,210	855	*917	501	690		230		200	508	867	1,250
19	1,200	835	911	519	690					516	899	1,270
20	1,210	830	912	522	690	120				*513	896	1,260
21	1,180	871	906	603	690				220	489	870	1,220
22	*1,430	868	876	685	617		*200	(*)		504	829	1,180
23	1,680	871	646	689	524			110		601	863	1,170
24	a1,660	867	342	733	556					839	952	1,170
25	a1,750	840	344	726	540	130	180		200	824	957	*1,180
26	a1,790	*864	368	*580	476					819	935	1,210
27	a1,780	857	368	520	428				681	819	912	1,190
28	1,740	842	376	*528	350		160		1,030	834	856	1,280
29	1,860	652	368	544	-				965	907	972	1,270
30	*1,820	640	368	604	-	140			*893	954	1,090	1,260
31	1,760	-	360	682	-	(*)	-		-	954	1,090	-
Total	41,948	34,666	20,880	17,680	19,339	4,080	5,030	3,790	7,799	19,860	28,444	34,343
Mean	1,353	1,156	674	570	691	132	168	122	260	641	918	1,145
Ac-ft	83,200	68,760	41,410	35,070	38,360	8,090	9,980	7,520	15,470	39,390	56,420	68,120

Calendar year 1952: Max 1,860 Min - Mean 561 Ac-ft 407,000
Water year 1952-53: Max 1,860 Min - Mean 652 Ac-ft 471,800

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of recorded range in stage and dam crest changes.

Note.--Considerable leakage through dam Dec. 24 to June 27, July 2 to Sept. 21. Leakage estimated on basis of 15 discharge measurements, records of dam operation, and engineers' notes. Leakage was 20 percent or more of total flow during bracketed periods.

Miami Canal at water plant, Hialeah, Fla.

Location.--Lat 25°49'38", long. 80°17'15", in SW¼ 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 1953.

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.

Average discharge.--13 years, 676 cfs.

Extremes.--1940-53: 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.

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	532	1,500	*1,220	1,030	1,100	804	538	409	200	480	633	720
2	596	1,500	1,210	1,010	1,090	792	532	435	200	*454	639	695
3	*689	1,490	1,200	1,000	1,110	786	532	336	150	422	614	*677
4	762	1,470	1,180	984	*1,120	780	526	336	350	402	596	664
5	834	1,460	1,180	960	1,090	762	513	336	450	376	*596	646
6	870	1,460	1,150	954	1,080	744	500	205	474	376	614	627
7	900	1,440	1,140	948	1,050	726	494	315	415	362	608	658
8	888	1,440	1,140	966	1,100	701	494	415	150	349	596	670
9	894	1,430	1,140	1,070	1,110	689	506	389		356	577	652
10	960	1,440	1,180	1,150	1,100	670	506	454	(*)	329	577	664
									70			
11	924	1,430	1,260	1,150	1,070	689	506	*356		336	564	701
12	900	1,430	1,230	1,140	1,060	707	494	268		342	538	750
13	918	*1,440	1,220	1,130	1,060	701	519	302	200	382	532	750
14	912	1,420	1,220	*1,120	1,040	707	519	219	350	382	519	744
15	900	1,410	1,220	1,100	1,040	701	350	200	250	376	519	738
16	918	1,390	1,200	1,100	1,020	695	650	150	400	362	500	*738
17	918	1,370	1,180	1,090	1,000	670	*664	100	468	342	513	804
18	912	1,350	1,180	1,080	978	639	596	200	422	329	500	978
19	912	1,340	1,160	1,060	948	*627	400	200	376	309	*494	1,050
20	942	1,340	1,150	1,040	936	602	474	300	349	288	526	1,060
21	942	1,340	1,130	1,030	912	577	650	506	362	281	558	1,110
22	912	1,310	1,120	1,020	882	602	526	300	382	295	570	1,140
23	930	1,290	1,120	996	864	633	494		356	*356	577	1,200
24	*972	1,280	*1,100	1,010	858	670	435		322	532	596	1,190
25	1,050	1,250	1,090	1,000	846	639	422		342	538	621	1,150
26	1,030	1,260	1,090	978	*834	602	589	70	454	577	614	1,140
27	1,410	1,260	1,060	966	822	583	551		526	602	614	1,160
28	1,560	1,260	1,050	960	816	570	513		564	633	621	1,250
29	1,540	1,240	1,040	954	-	558	435		551	658	713	1,240
30	1,510	1,240	1,040	990	-	558	402		519	652	726	*1,220
31	*1,460	-	1,030	1,060	-	545	-	100	-	652	720	-
Total	30,397	41,280	35,630	32,046	27,936	20,729	15,330	7,391	9,862	13,130	18,185	26,786
Mean	981	1,376	1,149	1,034	998	669	511	238	329	424	587	893
Ac-ft	60,290	81,880	70,670	63,560	55,410	41,120	30,410	14,660	19,560	26,040	36,070	53,130

Calendar year 1952: Max 1,560 Min - Mean 544 Ac-ft 395,000
Water year 1952-53: Max 1,560 Min - Mean 764 Ac-ft 552,800

* Discharge measurement made on this day.

Note.--Stage-discharge relation indefinite Apr. 15-16, 19, 21, May 15-20, May 22 to June 5, June 8-16; discharge estimated on basis of 1 discharge measurement 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 1953. 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.

Average discharge.--14 years, 556 cfs.

Extremes.--1939-53: 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 Everglades as represented by flow through all outlets from Tamiami Canal from Monroe, 55 miles west of Miami, to point 18 miles west of Miami, where a levee aids in diverting flow through 60 outlets to the area immediately south of canal.

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	1,210	2,510	1,210	492	533	300	10	15	2	170	723	1,050
2	1,270	2,470	*1,180	492	513	287	8	10	2	170	679	1,020
3	1,330	2,430	1,150	456	594	262	7	8	3	188	679	1,050
4	1,390	*2,360	1,120	440	594	238	6	6	3	200	657	1,200
5	1,480	2,280	1,090	440	594	225	5	5	6	213	657	1,230
6	1,570	2,160	1,060	424	574	213	4	4	6	238	679	1,230
7	*1,700	2,120	1,060	424	553	200	*3	5	6	*238	701	1,380
8	1,740	2,070	1,010	424	748	179	3	6	5	238	701	1,570
9	1,980	1,990	949	553	846	170	2	6	4	238	723	1,540
10	2,160	1,910	920	655	*846	*142	2	5	3	225	679	*1,570
11	2,120	1,870	920	675	798	124	1	4	3	262	701	1,540
12	2,050	1,870	871	700	724	124	0	3	3	328	657	1,510
13	2,010	1,840	846	*724	700	114	0	2	6	360	635	1,570
14	1,940	1,800	798	675	675	100	2	2	6	344	*612	1,640
15	2,190	1,760	798	675	634	105	1	1	5	360	590	1,710
16	2,590	1,720	*798	655	634	170	10	1	5	424	590	1,710
17	2,550	1,720	773	634	614	142	30	1	4	440	657	1,780
18	2,550	*1,650	748	594	614	114	30	0	*4	408	679	2,180
19	2,430	1,580	724	574	574	100	30	0	3	424	657	2,220
20	2,390	1,540	675	553	553	90	25	*1	3	424	635	2,180
21	2,680	1,540	655	533	492	80	20	5	10	*367	612	2,410
22	*2,680	1,510	634	533	456	70	*15	5	50	352	701	3,090
23	2,590	1,470	634	513	440	65	10	5	60	352	894	3,850
24	2,630	1,440	614	553	424	*60	10	4	70	400	920	3,650
25	2,720	1,410	594	594	*408	50	8	3	80	474	894	3,510
26	2,630	1,380	594	594	376	40	10	2	90	474	*868	3,230
27	2,630	1,340	574	*574	344	30	30	1	100	512	868	3,090
28	2,590	1,340	553	574	328	25	25	0	160	612	868	*3,410
29	2,590	1,310	533	553	-	20	20	0	179	679	1,020	3,370
30	2,550	1,240	*513	574	-	15	15	0	179	701	1,110	3,320
31	2,510	-	472	553	-	12	-	1	-	723	1,080	-
Total	67,450	53,630	25,070	17,407	16,163	3,866	342	111	1,060	11,538	23,126	63,810
Mean	2,176	1,788	809	562	577	125	11.4	3.6	353	372	746	2,127
Ac-ft	133,800	106,400	49,730	34,530	32,060	7,670	678	220	2,100	22,890	45,870	126,600

Calendar year 1952: Max 2,720 Min - Mean 559 Ac-ft 406,100
Water year 1952-53: Max 3,850 Min 0 Mean 777 Ac-ft 562,500

* Discharge measurement made on this day.

Note.--Daily discharge below 100 cfs computed on basis of 5 discharge measurements, gage heights, and weather records.

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 1953.

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.--Maximum discharge measured during period July 1951 to September 1953, 162 cfs Oct. 26, 1951; maximum gage height recorded, 5.96 ft Sept. 25, 1953; no flow May 16-19, 1952; minimum gage height, 1.47 ft May 15, 16, 1952.
Flood in October 1947 reached a stage of about 7 ft, from information by local residents.

Remarks.--Records fair. Flow regulated by 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	108	105	78	62	54	54	32	59	13	57	92	119
2	107	104	77	62	55	52	31	56	12	65	94	119
3	108	102	77	62	*62	51	33	52	13	60	94	118
4	105	101	76	60	60	49	34	48	17	56	96	118
5	101	*100	76	59	59	48	32	44	20	56	106	116
6	98	98	74	59	59	48	31	41	26	62	112	115
7	99	96	73	57	58	47	30	43	32	62	114	114
8	108	94	73	57	61	45	30	43	27	*59	113	115
9	114	92	72	65	59	43	29	39	24	62	110	*114
10	114	90	72	71	58	41	29	36	26	60	106	114
11	112	89	71	69	58	40	28	34	27	58	102	114
12	110	88	69	67	59	41	28	32	23	57	99	114
13	109	86	68	*66	59	43	32	30	21	52	96	116
14	108	86	72	64	58	41	37	28	20	51	93	117
15	108	85	73	62	61	39	35	27	19	53	91	119
16	*108	84	72	61	61	38	63	26	18	50	90	116
17	109	82	70	60	59	37	68	24	17	47	*88	117
18	114	81	69	59	58	35	63	23	*16	48	88	116
19	115	80	69	58	57	34	60	22	15	48	90	114
20	118	81	68	57	57	33	56	*20	15	55	90	111
21	118	84	68	60	56	33	52	20	15	*50	89	112
22	117	84	67	58	56	56	*49	20	15	46	86	119
23	116	82	*66	56	56	66	45	18	17	45	84	124
24	116	81	65	67	59	*63	43	17	25	48	84	124
25	114	*81	65	65	*57	56	41	16	37	50	83	127
26	112	80	64	62	56	48	56	15	56	56	86	126
27	112	80	63	60	55	43	72	15	72	57	86	126
28	110	79	63	59	56	40	66	14	71	58	88	126
29	110	79	62	57	-	38	63	14	65	63	92	124
30	108	78	62	56	-	35	61	13	60	72	104	125
31	106	-	62	54	-	34	-	13	-	86	114	-
Total	3,412	2,632	2,156	1,891	1,623	1,371	1,329	902	834	1,749	2,960	3,549
Mean	110	87.7	69.5	61.0	58.0	44.2	44.3	29.1	27.8	56.4	95.5	118
Ac-ft	6,770	5,220	4,280	3,750	3,220	2,720	2,640	1,790	1,650	3,470	5,870	7,040

Calendar year 1952: Max - Min - Mean 64.3 Ac-ft 46,670
Water year 1952-53: Max 127 Min 12 Mean 66.9 Ac-ft 48,420

* Discharge measurement made on this day.

Imperial River near Bonita Springs, Fla.

Location.--Lat 26°20', long. 81°45', in sec. 36, T. 47 S., R. 25 E., on right bank 1½ miles east of Bonita Springs.

Records available.--May 1940 to September 1953.

Gage.--Water-stage recorder and wooden control. Datum of gage is at mean sea level, datum of 1929. Prior to Sept. 10, 1941, staff gage at same site and datum.

Average discharge.--13 years, 87.8 cfs.

Extremes.--Maximum discharge during year, 909 cfs Sept. 21 (gage height, 8.93 ft); minimum, 0.7 cfs May 22 to June 2 (gage height, 2.17 ft).
1940-53: Maximum discharge observed, 2,890 cfs Sept. 12, 1940; maximum gage height, 12.74 ft Oct. 2, 1951; no flow June 28 to July 3, 1940.
Flood of June 15, 1936, reached a stage of 13.4 ft, from floodmarks.

Remarks.--Records poor.

Rating table, water year 1952-53, except periods of tide effect (gage height, in feet, and discharge, in cubic feet per second)

2.1	0.4	3.0	53
2.2	1.0	6.0	340
2.4	6.4	7.0	455
2.5	10	8.5	784
2.6	16		

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	e111	e152	23	2.4	14	2.6	0.8	1.3	0.7	97	95	206
2	e104	e141	22	2.1	20	2.4	.8	1.3	.8	78	102	209
3	e100	e130	19	2.6	48	2.1	1.0	1.3	.8	66	99	251
4	e92	e119	16	2.4	44	1.8	.9	1.0	.9	58	110	270
5	e89	111	15	*1.8	41	1.8	.8	*1.0	.8	56	196	279
6	e98	103	13	1.8	38	1.8	.8	1.0	.8	56	254	309
7	e108	94	11	2.1	35	1.5	.8	1.3	.9	56	310	353
8	e195	82	10	2.1	46	1.5	.8	1.3	1.3	67	288	439
9	e215	76	9.4	2.6	40	1.5	.8	1.0	1.3	73	267	*496
10	*e216	73	9.0	3.2	36	1.5	.8	1.0	1.3	64	268	424
11	216	69	7.9	3.2	*30	1.5	.8	1.0	1.0	63	224	423
12	212	65	6.8	2.9	30	1.5	.8	.9	1.0	66	184	401
13	204	60	6.4	2.4	27	1.5	2.4	.9	1.3	62	153	363
14	199	58	9.4	1.8	22	1.5	1.8	.9	1.0	58	130	365
15	218	58	8.6	1.8	22	1.5	1.8	.9	1.0	64	111	405
16	244	55	7.1	2.1	19	1.5	3.2	.9	1.0	65	94	393
17	237	52	*6.4	1.8	15	1.5	2.4	.8	1.0	71	87	762
18	289	48	5.9	1.8	13	1.3	2.1	.8	1.8	76	88	734
19	344	45	5.8	1.8	10	1.3	2.1	.8	4.0	63	82	647
20	526	46	5.6	2.1	9.0	1.3	2.1	.8	3.4	59	76	594
21	487	50	5.3	3.9	7.5	1.3	2.1	.9	3.2	65	73	711
22	423	46	4.5	3.4	6.4	1.5	1.8	*.8	3.2	96	67	708
23	383	44	4.2	3.4	5.6	*1.3	1.8	.7	*3.2	130	66	659
24	343	41	4.0	18	5.0	1.0	1.8	.7	4.5	149	64	550
25	312	40	4.0	21	4.2	1.0	1.5	.7	11	151	68	478
26	281	37	3.4	22	3.7	1.0	2.4	.7	28	144	78	448
27	e251	35	3.4	23	3.4	.9	2.1	.7	78	126	92	495
28	e228	31	4.0	23	3.2	.9	1.8	.7	104	124	128	509
29	e201	29	3.7	22	-	.9	1.5	.7	121	*115	142	437
30	e177	27	3.2	18	-	.9	1.5	.7	115	e100	144	*400
31	e161	-	2.6	16	-	.9	-	.7	-	e94	165	-
Total	7,264	2,017	259.4	218.5	598.0	44.5	46.1	28.2	497.2	2,612	4,305	13,718
Mean	234	67.2	8.37	7.05	21.4	1.44	1.54	0.91	16.6	84.3	139	457
Ac-ft	14,410	4,000	515	433	1,190	88	91	56	986	5,180	8,540	27,210

Calendar year 1952: Max 526 Min 0.6 Mean 59.9 Ac-ft 43,460
Water year 1952-53: Max 762 Min 0.7 Mean 86.6 Ac-ft 62,700

Peak discharge (base, 310 cfs).--Oct. 20 (11 a.m.) 591 cfs (7.72 ft); Aug. 7 (4 p.m.) 314 cfs (5.74 ft); Sept. 9 (2:30 a.m.) 548 cfs (7.52 ft); Sept. 17 (9 a.m.) 856 cfs (8.75 ft); Sept. 21 (7 p.m.) 909 cfs (8.93 ft).

* Discharge measurement made on this day.
e Tide affected for portion of day; discharge computed on basis of effective gage heights.

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 1953.

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 at same datum a quarter of a mile upstream from Lake Hicpochee and 2.5 miles downstream from base gage.

Extremes.--1938-53: 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 at Lake Okeechobee.

Cooperation.--Since July 1951, records furnished by Corps of Engineers.

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	2,650	2,890	-		-	3,450	3,520	2,900		-	-	-
2	2,600	3,260	-		-	3,500	3,480	2,940		-	-	2,150
3	1,530	3,480	-		-	3,260	3,330	2,940		-	1,960	2,560
4	3,710	3,550	360		-	3,550	3,300	2,990		-	3,060	1,180
5	3,320	3,840	-		-	3,280	3,250	2,690		-	3,210	250
6	2,750	4,060	-		-	3,350	3,510	2,680		-	3,210	1,190
7	2,450	3,780	-		540	3,420	3,200	2,570		-	3,180	510
8	2,030	3,720	-		2,360	2,970	3,300	2,660		-	3,370	400
9	1,690	3,340	-		2,910	3,310	3,240	2,820		-	3,180	160
10	1,280	3,440	-		3,570	3,350	3,110	2,910		-	3,070	740
11	1,980	3,190	690		3,750	3,410	3,170	3,050		-	3,240	1,560
12	2,290	3,550	-		3,630	3,330	2,890	2,790		-	3,190	1,620
13	2,500	3,370	-		3,440	*5,510	2,620	2,790		-	*3,170	1,990
14	2,130	3,100	-		3,140	2,850	3,160	2,910		-	3,200	2,180
15	*1,350	3,560	-		3,360	3,420	1,450	2,760		-	3,280	2,350
16	410	3,650	-		3,340	3,470	2,020	2,760		-	3,160	2,800
17	-	3,380	-		3,550	3,470	2,790	2,790		-	3,260	2,770
18	-	2,850	-		3,390	3,470	3,330	2,640		-	3,310	1,180
19	-	3,430	-		3,420	3,500	3,280	2,680		-	3,240	-
20	-	3,310	-		3,460	3,620	3,470	2,630		610	3,190	-
21	-	3,140	-		3,460	3,570	3,360	2,550		940	3,190	-
22	-	3,430	-		a3,180	3,530	3,050	2,050		320	3,160	-
23	-	3,480	-		a3,680	3,370	3,090	-		620	3,190	-
24	-	3,420	-		a3,710	3,440	3,210	-		-	3,090	-
25	-	3,100	-		a3,510	2,990	2,980	-		-	*3,130	-
26	-	3,450	-		a3,230	3,430	3,010	-		-	3,090	380
27	2,820	3,440	-		a3,340	3,360	2,900	-		-	2,950	1,760
28	3,880	1,320	-		a3,650	3,440	2,860	-		-	2,090	2,170
29	3,680	-	-		-	3,260	2,950	-		-	1,690	2,450
30	*2,950	-	-		-	3,440	2,940	-		-	-	2,450
31	2,610	-	-		-	3,130	-	-		-	-	-
Total	-	-	-	-	-	104,450	91,770	-	-	-	-	-
Mean	-	-	-	-	-	3,369	3,059	-	-	-	-	-
Ac-ft	-	-	-	-	-	207,200	182,000	-	-	-	-	-

Calendar year 1952: Max 4,060 Min - Mean - Ac-ft -
Water year 1952-53: Max 4,060 Min - Mean - Ac-ft -

* Discharge measurement made on this day.
a No gage-height record at auxiliary gage; discharge estimated on basis of operational reports for Moore Haven lock.
Note.--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 upstream 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 1953.

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.--6 years (1947-53), 37.7 cfs.

Extremes.--Maximum discharge during year, 202 cfs Sept. 30; maximum gage height, 6.99 ft Oct. 20; minimum discharge, 0.3 cfs Aug. 18.
1946-53: Maximum discharge, 231 cfs Sept. 22, 1948 (gage height, 7.37 ft); minimum, 0.2 cfs Mar. 28, 1949, June 16, 1950.

Remarks.--Records poor. Some regulation by Lake Hamilton control.

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	25	59	42	24	21	22	19	14	5.1	4.6	42	52
2	25	58	41	23	22	21	19	13	5.2	4.2	42	46
3	24	57	40	23	27	20	18	13	5.1	4.0	40	47
4	24	56	39	22	26	*20	18	13	5.3	4.4	36	61
5	24	56	38	21	25	20	18	12	8.4	4.4	32	56
6	27	54	37	20	23	20	17	13	22	4.1	30	54
7	36	53	34	19	24	19	20	18	47	3.8	30	58
8	38	52	33	19	40	19	20	22	46	*3.6	26	74
9	41	50	32	27	37	18	19	18	36	4.5	24	67
10	39	49	32	33	36	17	19	16	28	5.7	22	72
11	38	49	32	32	34	17	19	15	22	9.8	21	70
12	36	48	30	31	33	17	18	14	18	15	14	66
13	36	48	29	29	33	21	20	13	15	8.2	7.5	63
14	37	46	33	29	32	20	*19	13	13	12	4.6	61
15	45	46	32	28	32	28	18	12	11	7.3	3.8	67
16	59	45	31	27	32	25	18	12	10	6.0	3.6	99
17	55	44	30	27	30	24	16	11	9.4	5.7	3.4	132
18	67	43	29	26	30	22	16	11	8.3	5.8	2.4	133
19	69	42	*28	26	28	20	15	10	7.6	5.3	30	131
20	98	49	27	27	27	19	15	11	7.0	7.2	*54	134
21	96	56	27	28	27	19	15	10	6.0	20	55	138
22	89	53	26	28	26	25	14	10	5.6	10	43	134
23	85	51	26	27	26	37	14	9.8	5.4	16	17	132
24	*80	50	25	29	26	36	13	9.4	5.4	26	68	127
25	70	48	25	28	25	34	13	8.7	5.6	8.2	55	125
26	65	48	24	26	24	30	22	*7.2	8.5	12	33	123
27	69	47	25	25	24	27	21	6.8	7.9	9.8	64	161
28	68	46	24	*24	23	24	17	6.2	6.5	27	86	164
29	65	44	24	21	-	22	16	5.8	5.5	48	121	165
30	62	43	23	23	-	22	15	5.4	5.0	38	58	199
31	60	-	24	22	-	21	-	5.2	-	44	54	-
Total	1,652	1,490	942	794	793	706	521	358.5	390.8	384.6	1,122.3	3,011
Mean	53.3	49.7	30.4	25.6	28.3	22.8	17.4	11.6	13.0	12.4	36.2	100
Cfsm	1.07	0.994	0.608	0.512	0.566	0.456	0.348	0.232	0.260	0.248	0.724	2.00
In.	1.23	1.11	0.70	0.59	0.59	0.53	0.39	0.27	0.29	0.29	0.83	2.24

Calendar year 1952: Max 98 Min 0.4 Mean 26.7 Cfsm 0.534 In. 7.27
Water year 1952-53: Max 199 Min 2.4 Mean 33.3 Cfsm 0.666 In. 9.06

* Discharge measurement made on this day.

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 8¼ miles east of Bartow.

Drainage area.--150 sq mi, approximately.

Records available.--January 1947 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 97.67 ft above mean sea level, datum of 1929 (State Road Department benchmark).

Average discharge.--6 years, 128 cfs.

Extremes.--Maximum discharge during year 1,090 cfs Oct. 21 (gage height, 10.14 ft); minimum, 12 cfs June 2 (gage height, 3.01 ft).
1947-53: 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 except those for period of no gage-height record, which are fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-21		Oct. 22 to June 8				June 9 to Sept. 30			
3.9	44	3.0	12	7.0	364	3.5	33	7.0	364
5.5	129	3.5	31	8.0	545	4.5	93	8.0	545
6.0	177	4.0	56	9.9	1,020	5.0	133	9.3	864
8.0	545	5.0	129			6.0	236		
10.2	1,110								

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	47	285	121	66	76	65	48	34	14	67	240	380
2	48	258	114	63	75	62	46	32	13	59	237	335
3	47	234	109	62	93	59	45	30	13	53	228	340
4	46	212	104	61	92	*56	43	28	15	49	256	420
5	45	197	99	59	86	54	41	26	39	48	272	397
6	48	181	95	57	81	52	38	26	131	44	262	380
7	53	168	90	56	87	51	40	61	277	*40	255	390
8	64	155	85	59	280	49	43	158	315	36	234	430
9	68	143	82	142	250	47	40	80	275	35	212	410
10	68	134	79	224	212	44	39	59	191	39	196	415
11	65	127	78	190	193	42	37	48	152	41	185	392
12	63	121	74	168	180	42	36	42	220	112	169	392
13	62	115	73	153	167	58	50	37	183	94	156	385
14	62	109	84	140	153	59	48	34	156	163	146	380
15	70	105	89	130	149	74	*44	31	139	138	138	410
16	106	100	84	121	141	73	44	29	128	108	144	550
17	121	96	80	114	129	66	41	26	119	94	155	595
18	218	92	*78	107	119	60	39	25	110	86	135	595
19	292	89	75	102	112	55	38	23	102	78	*106	579
20	845	156	73	102	104	52	36	22	92	68	190	565
21	1,080	294	72	110	99	49	34	23	84	86	295	568
22	1,010	264	70	105	94	53	33	22	78	128	278	537
23	915	224	67	100	89	72	31	21	72	214	268	501
24	799	199	66	115	85	80	30	21	70	243	315	464
25	667	182	63	111	81	78	29	19	69	226	292	436
26	553	170	61	99	78	74	40	*18	87	217	274	443
27	497	159	60	*94	74	67	49	16	103	201	390	642
28	457	147	59	90	70	62	41	16	97	211	465	840
29	404	136	57	86	-	58	38	14	85	193	600	788
30	*353	128	56	82	-	54	36	13	75	238	405	705
31	318	-	61	78	-	51	-	13	-	246	390	-
Total	9,491	4,980	2,458	3,246	3,449	1,818	1,197	1,047	3,504	3,655	7,888	14,664
Mean	306	166	79.3	105	123	58.6	39.9	33.8	117	118	254	489
Cfsm	2.04	1.11	0.529	0.700	0.820	0.391	0.266	0.225	0.780	0.787	1.69	3.26
In.	2.35	1.23	0.61	0.80	0.86	0.45	0.30	0.26	0.87	0.91	1.96	3.64

Calendar year 1952: Max 1,080 Min 14 Mean 92.8 Cfsm 0.619 In. 8.40
Water year 1952-53: Max 1,080 Min 13 Mean 157 Cfsm 1.05 In. 14.24

* Discharge measurement made on this day.
Note.--No gage-height record Aug. 20 to Sept. 20; discharge estimated on basis of observer's weekly readings and records for nearby stations.

Lulu Lake Outlet at Eloise, Fla.

Location.--Lat 27°59', long. 81°43', in SE¼ sec. 5, T. 29 S., R. 26 E., on left downstream abutment of culvert on State Highway 540A at intersection with Rifle Range Road, 1,800 ft downstream from concrete control at outlet of Lulu Lake and 0.8 mile southeast of Eloise. Prior to Jan. 8, 1953, at site 1,500 ft upstream.

Drainage area.--26 sq mi, approximately.

Records available.--February 1946 to September 1953.

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, 66 cfs Sept. 30 (gage height, 9.99 ft); minimum daily, 0.3 cfs Oct. 16, May 18, 25.
1946-53: Maximum discharge, 83 cfs Sept. 24, 1948; maximum gage height, 11.18 ft Aug. 25, 1948, at former site, 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 Co., from ground-water supplies, during packing season. Some regulation by Lulu Lake.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-22, Nov. 6 to Jan. 12, May 6 to June 5, July 5-12, July 17 to Aug. 6, Aug. 18-23)

Oct. 1 to Jan. 7				Jan. 8 to Sept. 30			
6.7	0.2	8.0	7.8	5.5	0.2	8.5	16
6.8	.4	8.5	13	7.0	3.8	9.0	26
7.0	1.2	9.4	24	7.5	6.0	9.5	43
7.5	3.8			8.0	9.8	10.0	66

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	0.7	8.9	1.1	0.7	1.5	1.0	1.0	1.2	0.4	0.8	3.6	26
2	.6	8.7	1.0	.8	1.3	1.1	1.1	1.1	.6	.8	4.5	27
3	.6	8.8	.9	.7	1.6	1.1	1.3	.8	.6	.7	4.0	29
4	.4	*8.9	.9	.6	1.7	1.1	1.2	.7	1.0	.7	5.2	32
5	.8	8.4	.9	.7	*1.5	1.1	1.0	.7	3.1	.7	5.3	32
6	.8	7.7	.8	.8	1.6	1.1	.9	1.0	7.2	.7	8.6	32
7	1.0	7.2	.7	.7	1.6	1.1	1.5	.9	9.4	.7	10	32
8	1.1	5.6	.6	1.0	3.5	1.1	1.3	.9	6.4	*.6	11	32
9	.9	2.6	.6	2.1	1.8	1.1	1.3	1.1	*4.4	.9	11	31
10	.7	*1.9	.7	2.7	1.5	1.1	1.3	.6	3.0	.8	10	*31
11	.5	1.8	.6	1.3	1.7	1.0	1.2	.6	2.4	1.0	9.7	30
12	.4	1.8	.6	*1.6	2.0	1.1	1.2	.5	2.2	1.0	9.9	28
13	.5	1.7	1.0	2.3	1.7	1.1	1.2	.6	2.0	1.5	10	28
14	.4	1.5	.8	2.1	1.6	1.1	1.0	.9	1.9	3.0	9.4	25
15	.4	1.5	.7	2.1	1.6	1.2	1.2	.8	1.7	1.8	4.3	26
16	.3	1.3	.7	2.0	1.3	1.1	1.2	.8	1.3	1.7	2.5	40
17	.8	1.2	.8	1.9	1.4	1.1	1.2	.7	1.3	1.7	2.4	48
18	2.1	1.1	.8	1.6	1.8	1.1	1.2	.3	1.2	1.7	2.0	49
19	1.7	1.2	.8	1.7	1.7	*1.1	1.2	.7	1.1	1.8	*1.9	49
20	13	2.2	.7	1.8	1.5	1.1	1.1	.6	1.1	1.8	1.8	49
21	14	3.4	.6	1.8	1.7	1.1	1.2	1.0	1.0	1.9	1.8	49
22	11	2.1	*.7	1.8	1.4	1.6	1.2	1.3	.9	2.3	2.1	48
23	8.4	1.8	.9	1.7	1.3	1.9	1.2	.8	.9	3.0	4.2	46
24	8.4	1.8	.8	1.9	1.3	1.6	1.0	.4	.9	2.9	3.7	45
25	21	1.6	.8	1.5	1.2	1.2	1.2	.3	.9	4.2	2.9	45
26	23	1.4	.9	1.2	1.3	1.2	1.4	.4	.9	5.9	3.4	44
27	25	1.3	.9	1.6	1.3	1.1	*1.0	*.4	.9	3.8	7.2	49
28	23	1.3	.8	1.8	1.1	1.1	1.0	.5	.9	*3.4	9.4	64
29	13	1.2	.8	1.8	-	1.0	1.3	.5	.8	3.4	18	65
30	10	1.0	.9	1.7	-	1.0	1.1	.4	.8	3.3	22	65
31	9.1	-	.9	1.5	-	1.0	-	.4	-	3.2	24	-
Total	193.6	100.9	24.7	47.5	44.5	35.7	35.2	21.9	61.2	61.7	225.8	1,196
Mean	6.25	3.36	0.80	1.53	1.59	1.15	1.17	0.71	2.04	1.99	7.28	39.9
Cfsm	-	-	-	-	-	-	-	-	-	-	-	* -
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 25 Min 0.3 Mean 3.18 Cfsm - In. -
Water year 1952-53: Max 65 Min 0.3 Mean 5.61 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 1953.

Gage.--Water-stage recorder. Datum of gage is 90.56 ft above mean sea level (corrected), 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.--14 years, 287 cfs.

Extremes.--Maximum discharge during year, 1,760 cfs Sept. 30; maximum gage height, 5.73 ft Oct. 23, 24, Sept. 30; minimum discharge, 44 cfs May 30 (gage height, 1.75 ft).
1939-53: 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 fair.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 24 and Feb. 25)

Oct. 1-18		Oct. 19 to Sept. 30			
3.5	200	1.7	42	4.0	365
4.0	341	2.0	51	4.5	609
4.5	609	2.5	74	5.0	1,020
		3.0	120	5.8	1,840
		3.5	210		

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	238	930	365	184	228	212	88	70	47	178	455	1,480
2	226	858	345	188	228	198	85	68	50	154	545	1,500
3	217	780	322	172	250	192	83	66	53	134	644	1,520
4	213	*732	310	164	265	186	87	61	53	120	545	1,600
5	210	671	295	160	265	174	83	55	70	123	525	1,520
6	204	616	286	164	259	176	75	53	158	225	525	1,440
7	215	590	271	164	262	160	*71	57	244	180	520	1,400
8	250	545	256	168	377	148	83	85	325	135	540	1,410
9	275	515	247	235	485	147	83	129	365	*119	535	1,320
10	285	485	238	393	515	135	76	110	389	132	520	1,300
11	275	465	232	450	480	122	75	86	377	118	520	1,280
12	267	445	228	465	445	116	75	70	421	108	*500	1,250
13	253	425	218	437	425	119	105	63	425	172	470	1,170
14	243	401	247	405	405	130	124	61	385	170	455	1,110
15	253	381	271	373	385	142	102	61	349	198	445	1,100
16	264	361	265	353	381	164	104	59	322	210	433	1,230
17	319	341	250	333	373	156	96	58	313	228	417	1,600
18	527	322	238	318	373	136	86	57	301	283	421	1,590
19	590	307	232	301	341	116	80	53	301	373	409	1,640
20	1,060	353	222	301	313	108	80	*53	277	295	385	1,690
21	1,430	500	212	298	304	106	74	54	241	230	389	*1,710
22	1,600	558	*210	301	301	115	70	55	210	228	445	1,710
23	1,650	571	206	292	286	129	69	56	210	289	515	1,610
24	*1,640	551	200	289	271	146	68	54	238	381	616	1,510
25	1,580	515	196	289	*253	146	64	53	247	409	650	1,420
26	1,450	490	184	*298	238	132	81	50	241	429	693	1,360
27	1,410	460	180	280	230	120	96	51	250	429	930	1,600
28	1,330	441	180	271	222	112	88	49	268	437	1,010	1,730
29	1,200	409	170	265	-	105	78	47	283	455	1,280	1,750
30	1,100	385	166	262	-	98	73	44	212	425	1,370	1,750
31	1,000	-	172	241	-	94	-	46	-	429	1,450	-
Total	21,774	15,403	7,414	8,812	9,160	4,340	2,502	1,934	7,592	7,816	19,157	44,300
Mean	702	513	239	284	327	140	83.4	62.4	253	252	618	1,477
Cfsm	1.80	1.32	0.613	0.728	0.838	0.359	0.214	0.160	0.649	0.646	1.58	3.79
In.	2.08	1.47	0.71	0.84	0.87	0.41	0.24	0.18	0.72	0.75	1.83	4.22

Calendar year 1952: Max 1,650 Min 56 Mean 274 Cfsm 0.703 In. 9.58
Water year 1952-53: Max 1,750 Min 44 Mean 412 Cfsm 1.06 In. 14.32

* Discharge measurement made on this day.

Kissengen Spring near Bartow, Fla.

Location.--Lat 27°51', long. 81°49', in sec. 28, T. 30 S., R. 25 E., on dock at east edge of pool at head of spring, about 4½ miles southeast of Bartow.
Records available.--1917 and 1929-31 (one discharge measurement in each year), March 1932 to September 1953 (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.--1932-53: Maximum discharge measured, 43.6 cfs Oct. 11, 1933; no flow for long periods.
Remarks.--No flow observed since Feb. 27, 1950. Discharge measurements or inspections of no flow made at six-week intervals.

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 1953.
Gage.--Water-stage recorder. Datum of gage is 35.20 ft above mean sea level, datum of 1929.
Average discharge.--20 years, 743 cfs.
Extremes.--Maximum discharge during year, 9,300 cfs Aug. 30 (gage height, 15.39 ft); minimum, 112 cfs May 20, June 3 (gage height, 0.13 ft).
1933-53: Maximum discharge, 26,300 cfs Sept. 6, 1933 (gage height, 20.05 ft); minimum, 44 cfs May 26-30, 1949; minimum gage height, -0.28 ft May 2, 1945.
Remarks.--Records good.
Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 11				Jan. 12 to Aug. 1		Aug. 2 to Sept. 30			
1.4	312	9.0	3,110	0.1	106	5.0	1,110	13.0	6,020
3.7	813	12.0	5,360	3.7	813	8.0	2,240	15.3	9,160
6.5	1,730	14.6	8,520	Note.--Same as preceding table above 3.7 ft.		11.0	4,120		

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	869	1,680	740	377	489	454	266	296	125	715	1,360	6,000
2	675	1,510	671	369	476	441	259	261	123	571	1,920	4,270
3	624	1,380	648	407	614	437	242	241	121	486	1,960	3,300
4	604	1,290	613	421	638	417	224	214	144	450	1,600	3,190
5	525	1,190	582	399	600	404	218	192	278	415	1,490	3,110
6	477	1,110	565	375	547	400	210	186	1,820	415	1,450	3,040
7	475	1,020	525	375	523	393	218	183	2,830	417	1,530	2,880
8	565	940	491	392	1,610	383	298	192	3,870	*467	1,620	2,780
9	604	875	465	726	2,880	354	*268	203	3,360	534	1,470	2,770
10	615	821	445	1,650	2,780	337	263	207	2,250	577	1,300	2,770
11	584	760	423	1,720	1,900	311	250	212	1,420	505	1,290	2,910
12	552	726	403	1,430	1,400	300	233	208	1,140	643	*1,300	2,740
13	535	697	392	1,220	1,200	305	2,090	194	988	458	1,240	2,380
14	561	662	469	1,080	1,050	447	2,990	186	937	378	1,120	2,050
15	760	642	571	963	971	1,040	1,630	186	971	335	1,150	1,900
16	2,120	626	544	872	1,010	751	945	166	991	326	1,580	2,000
17	2,710	591	493	784	891	575	632	140	925	499	1,590	2,570
18	3,700	565	469	706	797	503	501	136	786	657	1,840	3,130
19	4,020	546	473	655	730	462	427	134	841	1,330	2,310	4,150
20	5,140	855	461	628	691	428	372	119	1,060	1,500	*2,440	5,030
21	7,170	2,300	453	620	657	410	322	*125	1,180	1,080	2,580	5,590
22	*8,460	2,350	*431	632	622	452	270	175	974	875	2,390	*5,570
23	7,900	1,800	411	598	590	624	255	181	778	1,370	2,120	4,820
24	6,480	1,360	394	624	557	534	242	166	922	1,580	1,940	3,950
25	5,050	1,190	386	640	*540	474	233	168	616	1,920	1,820	3,320
26	3,720	1,100	360	610	516	425	250	158	662	1,730	1,910	2,890
27	3,020	1,020	331	*555	488	391	326	158	994	1,430	2,760	4,460
28	2,700	957	335	520	469	369	320	155	1,380	1,230	3,990	6,410
29	2,450	889	329	506	-	335	305	134	1,280	1,130	6,720	6,730
30	2,180	813	316	514	-	315	305	136	996	1,170	9,130	6,540
31	1,900	-	318	505	-	287	-	129	-	1,300	7,820	-
Total	77,745	32,265	14,507	21,873	26,236	13,758	15,364	5,541	34,762	26,493	74,740	113,250
Mean	2,508	1,076	468	706	937	444	512	179	1,159	855	2,411	3,775
Cfsm	2.99	1.28	0.557	0.840	1.12	0.529	0.610	0.213	1.38	1.02	2.87	4.49
In.	3.44	1.43	0.64	0.97	1.16	0.61	0.68	0.25	1.54	1.17	3.31	5.01

Calendar year 1952: Max 8,460 Min 121 Mean 638 Cfsm 0.760 In. 10.33
Water year 1952-53: Max 9,130 Min 119 Mean 1,251 Cfsm 1.49 In. 20.21

* Discharge measurement made on this day.

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 Peace River.

Drainage area.--330 sq mi, approximately.

Records available.--April 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 21.66 ft above mean sea level, datum of 1929 (revised).

Extremes.--Maximum discharge during year, 4,980 cfs Sept. 28 (gage height, 17.03 ft); minimum, 4.3 cfs June 4 (gage height, 2.43 ft).
1950-53: Maximum discharge, that of Sept. 28, 1953; minimum, 0.3 cfs Aug. 6-8, 1950.
Flood of 1928 reached a stage of 24.2 ft, from information by local resident.

Remarks.--Records good.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 30)

Oct. 1 to Apr. 1				Apr. 2 to Sept. 30			
3.0	13	8.0	641	2.4	3.6	3.5	58
3.2	22	10.0	1,010	2.5	5.8	4.0	100
3.5	43	14.0	2,400	2.8	17	5.0	208
4.0	89	16.0	3,690	3.0	27		
5.0	208	17.0	4,930				

Note.--Same as preceding table above 5.0 ft.

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	192	652	170	44	85	53	234	99	4.7	729	1,810	2,420
2	203	542	156	44	101	47	204	84	4.7	641	2,110	2,470
3	222	463	146	45	275	41	180	72	4.5	565	2,170	2,370
4	228	400	130	44	237	35	160	64	5.4	502	1,810	2,240
5	225	350	118	39	186	30	141	57	26	450	1,480	2,010
6	224	304	107	34	156	27	124	50	207	402	1,430	1,770
7	216	271	94	30	157	24	107	46	469	360	1,360	1,830
8	214	240	86	28	392	22	*94	42	641	*309	1,380	2,420
9	224	317	79	171	341	19	81	37	729	324	1,310	2,960
10	221	198	73	426	285	17	73	33	741	360	1,190	3,760
11	205	182	67	348	248	15	61	30	686	326	1,180	4,190
12	191	169	62	293	221	14	48	27	607	387	1,030	3,740
13	182	157	56	321	208	17	257	24	559	456	*859	3,150
14	231	144	71	353	191	31	829	22	525	434	746	2,640
15	547	133	89	353	186	140	893	19	488	394	734	*2,180
16	1,140	122	79	*334	182	183	1,120	17	520	374	702	1,870
17	1,110	112	68	300	170	170	1,320	15	512	351	616	1,810
18	1,830	102	61	262	154	194	1,250	13	415	361	607	*1,930
19	1,780	94	56	229	141	233	1,020	12	383	415	761	2,290
20	1,930	238	54	202	129	265	819	*10	641	514	917	2,480
21	*2,990	496	52	178	118	269	647	11	655	606	857	2,500
22	*4,460	396	*49	158	108	254	524	9.2	590	649	720	2,680
23	4,810	304	45	140	101	261	409	7.6	881	665	638	2,750
24	4,460	288	45	153	*91	296	314	7.0	1,180	687	578	2,600
25	3,810	281	45	154	82	279	243	6.4	871	714	522	2,330
26	3,190	265	41	136	75	283	204	6.1	613	881	565	2,030
27	2,640	247	39	121	67	312	184	5.6	643	875	1,760	2,530
28	2,140	228	37	112	60	331	160	4.9	1,010	913	2,460	4,520
29	1,600	207	37	104	-	326	135	4.7	955	1,590	2,400	4,690
30	1,130	188	34	98	-	303	116	4.5	825	1,710	2,310	4,140
31	829	-	36	90	-	269	-	4.7	-	1,770	2,290	-
Total	43,374	7,990	2,282	5,344	4,747	4,760	11,951	844.7	16,391.3	19,714	39,302	81,300
Mean	1,399	266	73.6	172	170	154	398	27.2	546	636	1,268	2,710
Cfsm	4.24	0.806	0.223	0.521	0.515	0.467	1.21	0.082	1.65	1.93	3.84	8.21
In.	4.89	0.90	0.26	0.60	0.53	0.54	1.35	0.10	1.85	2.22	4.43	9.16

Calendar year 1952: Max 4,810 Min 3.5 Mean 255 Cfsm 0.773 In. 10.53
Water year 1952-53: Max 4,810 Min 4.5 Mean 652 Cfsm 1.98 In. 26.83

* Discharge measurement made on this day.

Little Charlie Bowlegs Creek near Sebring, Fla.

Location.--Lat 27°28'41", long. 81°33'28", in SW¼ sec. 31, T. 35 S., R. 28 E., on right bank 160 ft downstream from concrete control, 750 ft north of county road in Highlands Hammock State Park, and 7¼ miles southeast of Sebring. Prior to June 4, 1953, on right bank at upstream side of concrete control.

Drainage area.--32.4 sq mi.

Records available.--January 1952 to September 1953.

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.--1952: Maximum discharge during period January to September, 364 cfs Mar. 27 (gage height, 16.80 ft, at site then in use); no flow for many days.
1952-53: Maximum discharge during water year, 604 cfs Sept. 8 (gage height, 16.65 ft); no flow for many days.

Remarks.--Records fair. Low flow regulated by manipulation of stoplogs and gates in dam upstream from station.

Cooperation.--Prior to June 4, 1953, stoplog record furnished by superintendent of Highlands Hammock State Park.

Discharge, in cubic feet per second, January to September 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				-	0	18	58	0	5.4	5.4	3.3	110
2				-	2.2	62	41	0	4.7	19	5.7	89
3				-	24	46	22	0	4.0	*25	6.6	69
4				-	28	36	5.3	0	3.3	23	7.6	51
5				-	32	30	6.2	0	2.7	22	*9.9	37
6				-	30	28	9.2	0	1.5	31	*11	30
7				-	30	10	6.2	0	.4	34	14	26
8				-	26	.1	*5.3	0	0	49	21	28
9				-	22	5.7	2.7	0	9.7	63	27	39
10				-	12	4.2	3.3	0	4.7	63	27	34
11				-	16	1.6	3.3	0	4.0	55	46	30
12				-	16	1.8	2.7	0	2.7	44	41	31
13				-	15	1.8	1.5	0	2.1	55	31	31
14				-	13	.8	1.0	0	2.1	110	28	33
15				-	12	10	.2	0	1.0	126	26	37
16				5.5	11	12	0	0	.3	107	30	34
17				5.5	15	12	0	0	.4	83	36	33
18				5.5	15	10	0	2.1	1.0	72	55	31
19				5.5	14	9.2	0	6.2	1.5	63	92	28
20				5.5	13	4.0	0	27	.4	50	129	24
21				5.5	13	0	0	27	.2	33	122	23
22				5.5	12	0	0	25	.9	21	107	24
23				5.5	11	0	0	23	4.7	16	86	*21
24				5.5	11	0	0	19	4.7	5.6	74	15
25				5.5	11	0	0	14	4.0	.1	77	14
26				6.6	31	42	0	10	4.0	4.1	83	12
27				6.6	45	180	0	9.2	4.0	4.8	107	12
28				8.8	49	104	0	7.1	4.7	4.1	174	26
29				16	39	104	0	7.1	4.0	4.1	135	28
30				4.9	-	85	0	6.2	3.3	4.1	122	30
31				0	-	75	-	6.2	-	3.3	129	-
Total				-	568.2	893.2	167.9	189.1	86.4	1,199.6	1,863.1	1,030
Mean				-	19.6	28.8	5.60	6.10	2.88	38.7	60.1	34.3
Cfsm				-	0.605	0.889	0.173	0.188	0.089	1.19	1.85	1.06
In.				-	0.65	1.03	0.19	0.22	0.10	1.38	2.14	1.18

Calendar year	: Max	Min	Mean	Cfsm	In.
Water year	: Max	Min	Mean	Cfsm	In.

* Discharge measurement made on this day.

Little Charlie Bowlegs Creek near Sebring, Fla.--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	31	39	4.3	6.2	5.3	6.8	7.9	4.4	*0	73	84	*296
2	30	33	4.0	6.2	7.0	5.6	7.1	3.5	0	57	98	272
3	27	29	3.7	7.0	13	4.6	*4.0	3.5	0	*44	105	252
4	23	*26	3.4	7.9	19	3.9	4.4	2.6	0	30	94	248
5	20	28	3.2	7.9	*20	3.2	3.5	1.8	0	22	*91	264
6	15	26	3.0	7.0	20	2.8	3.5	2.6	36	17	86	377
7	13	24	2.8	7.0	19	2.5	4.4	7.0	168	13	83	443
8	13	21	2.7	7.9	28	2.2	4.4	6.2	232	14	81	*592
9	19	14	2.4	13	28	1.9	3.5	5.3	*194	42	86	553
10	21	12	2.4	26	26	1.6	3.5	4.4	151	67	81	579
11	20	11	.9	26	23	*1.6	3.5	3.5	124	94	76	574
12	18	11	0	26	20	1.7	3.5	2.6	100	86	70	*490
13	17	10	0	23	17	4.6	44	1.8	81	72	64	414
14	26	9.7	2.6	19	14	11	107	.4	64	56	61	348
15	27	9.0	5.3	16	13	15	120	0	49	*42	60	312
16	28	8.0	6.2	14	13	17	94	0	34	36	58	288
17	30	7.3	6.2	12	12	15	69	0	23	40	52	296
18	43	6.4	6.2	9.7	10	13	47	0	18	46	53	304
19	51	5.7	6.2	8.8	9.0	10	30	0	17	91	64	352
20	89	6.4	6.2	7.9	7.9	7.7	19	0	20	89	73	385
21	152	9.5	6.2	7.0	7.3	6.0	13	0	21	83	70	377
22	195	10	6.2	7.0	10	6.9	*11	0	23	76	73	357
23	188	9.4	6.2	7.0	14	13	7.9	0	40	69	72	328
24	174	8.3	*5.3	7.9	14	28	7.0	0	52	66	75	300
25	149	7.5	3.5	8.8	13	31	5.3	0	61	66	80	272
26	122	6.9	3.5	7.9	11	33	7.0	0	81	64	88	244
27	104	6.3	4.4	7.0	9.8	30	7.0	0	116	63	103	381
28	89	5.7	4.4	7.0	8.3	27	6.2	0	118	67	*148	523
29	72	5.1	5.3	7.0	-	16	5.3	0	101	66	240	464
30	57	4.7	5.3	6.2	-	12	5.3	0	88	70	296	406
31	51	-	6.2	6.2	-	9.7	-	0	-	73	308	-
Total	1,914	409.9	128.2	337.5	411.6	344.3	658.2	49.6	2,012	1,794	3,071	11,291
Mean	61.7	13.7	4.14	10.9	14.7	11.1	21.9	1.60	67.1	57.9	99.1	376
Cfsm	1.90	0.423	0.128	0.336	0.454	0.343	0.676	0.049	2.07	1.79	3.06	11.6
In.	2.20	0.47	0.15	0.39	0.47	0.40	0.76	0.06	2.31	2.06	3.53	12.98

Calendar year 1952: Max - Min - Mean - Cfsm - In. -
Water year 1952-53: Max 592 Min 0 Mean 61.4 Cfsm 1.90 In. 25.76

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

Peace River at Arcadia, Fla.

Location.--Lat 27°13', long. 81°52' (corrected), in 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 5 miles upstream from Joshua Creek.

Drainage area.--1,370 sq mi, approximately.

Records available.--April 1931 to September 1953.

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.--22 years, 1,238 cfs.

Extremes.--Maximum discharge during year, 12,100 cfs Oct. 25 (gage height, 13.55 ft); minimum, 126 cfs June 3 (gage height, 0.12 ft).
1931-53: 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

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-25		Oct. 26 to Feb. 11				Feb. 12 to Sept. 30			
2.9	1,100	1.5	412	8.0	4,350	0.1	123	6.0	2,830
7.0	3,510	3.0	990	12.0	9,100	.5	195	8.0	4,350
11.0	7,640	5.0	2,050	13.2	11,300	1.0	314	12.0	9,100
13.5	12,000					2.0	650	13.2	11,300

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	2,340	3,450	1,140	455	651	602	561	424	134	2,640	3,920	8,180
2	1,940	2,760	1,040	507	651	576	512	396	129	2,100	4,260	8,820
3	1,520	2,320	966	514	918	554	474	348	129	1,690	4,830	8,830
4	1,340	2,050	918	541	1,060	543	437	314	134	1,400	5,120	8,300
5	1,280	1,830	866	549	994	515	393	283	239	1,210	4,860	7,570
6	1,230	1,660	822	522	890	494	368	264	1,520	1,110	4,300	6,860
7	1,110	1,530	782	488	798	491	362	252	2,650	*1,090	3,880	6,340
8	1,160	1,400	731	480	1,250	474	*362	240	4,250	1,020	3,720	6,460
9	1,260	1,290	685	621	2,150	450	396	235	5,040	1,080	3,840	6,510
10	1,250	1,200	651	1,670	2,740	424	368	235	5,120	1,360	3,780	6,900
11	1,180	1,130	628	2,300	3,010	402	356	231	4,650	1,520	3,520	7,030
12	1,100	1,060	587	2,360	2,800	380	328	228	3,570	1,310	3,310	7,150
13	1,170	1,010	560	2,130	2,220	380	390	224	2,610	1,390	2,980	7,150
14	2,070	966	609	1,850	1,800	393	2,230	208	2,100	1,200	2,620	6,900
15	1,880	926	731	1,640	1,580	602	3,580	197	1,840	1,030	2,400	6,450
16	2,870	890	802	*1,480	1,460	1,180	3,730	191	1,850	903	2,380	5,800
17	3,680	862	750	1,330	1,430	1,120	3,250	180	1,950	854	2,520	5,350
18	5,710	818	685	1,190	1,300	873	2,700	161	1,900	1,160	2,710	5,560
19	6,220	782	647	1,060	1,160	785	2,230	150	1,860	1,420	*3,010	6,470
20	6,920	1,120	636	974	1,080	763	1,810	*148	2,100	1,800	3,500	7,060
21	8,480	2,510	617	910	1,000	754	1,420	141	2,560	2,100	3,880	7,540
22	9,680	3,210	*598	878	933	763	1,100	143	2,770	2,100	4,040	*7,940
23	10,900	3,310	571	854	878	812	844	161	3,180	2,350	4,000	8,190
24	11,900	2,910	545	858	*821	1,050	675	166	4,540	2,920	3,910	8,330
25	12,000	2,270	522	890	767	969	558	157	4,870	3,110	3,590	8,190
26	11,300	1,850	511	882	729	835	501	153	3,600	3,720	3,270	7,720
27	10,300	1,600	477	826	683	780	484	150	2,750	3,990	3,630	8,500
28	*9,120	1,460	452	750	638	767	515	146	3,200	5,560	5,160	9,860
29	7,680	1,340	452	701	-	737	487	143	3,540	3,710	6,290	10,500
30	6,230	1,240	444	674	-	683	450	135	3,220	3,890	6,750	11,200
31	4,640	-	441	666	-	622	-	135	-	3,830	7,280	-
Total	149,460	50,754	20,866	31,550	36,391	20,773	31,871	6,539	78,005	62,567	123,260	227,660
Mean	4,821	1,692	673	1,018	1,300	670	1,062	211	2,600	2,018	3,976	7,589
Cfsm	3.52	1.24	0.491	0.743	0.949	0.489	0.775	0.154	1.90	1.47	2.90	5.54
In.	4.06	1.38	0.57	0.86	0.99	0.56	0.87	0.18	2.12	1.70	3.35	6.18

Calendar year 1952: Max 12,000 Min 171 Mean 1,073 Cfsm 0.783 In. 10.68
Water year 1952-53: Max 12,000 Min 129 Mean 2,301 Cfsm 1.68 In. 22.82

* 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 Peace River.

Drainage area.--115 sq mi, approximately.

Records available.--April 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 3.94 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 4,040 cfs Oct. 21 (gage height, 16.36 ft); minimum, 0.5 cfs May 18-20, 24-31; minimum gage height, 3.99 ft May 26, 29, 30.
1950-53: Maximum discharge, 7,620 cfs Oct. 2, 1951 (gage height, 17.89 ft); minimum, 0.2 cfs May 15, 1950; minimum gage height, that of May 26, 29, 30, 1953.
Flood of September 1948 reached a stage of 17.7 ft, from information by local residents.

Remarks.--Records fair except those for period July 27 to Sept. 30, which are poor.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-28		Oct. 29 to July 26				July 27 to Sept. 30	
6.4	96	4.0	0.5	6.0	70	5.7	20
7.0	148	4.1	1.2	7.0	156	7.0	110
8.0	268	4.2	2.3	8.0	284	9.0	275
10.0	620	4.4	5.5	10.0	625	10.0	382
12.0	1,190	4.8	17	12.0	1,190	11.0	545
14.0	1,890	5.0	24	14.0	1,890	12.0	855
15.0	2,540	5.5	43	15.4	2,890	14.0	1,850
16.0	3,500					15.7	3,180

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	*408	172	12	7.3	9.0	5.5	2.4	1.2	0.8	409	284	a640
2	243	113	11	7.3	11	5.1	2.4	1.0	1.0	250	212	a520
3	180	78	10	7.8	30	4.5	2.3	1.0	1.3	166	236	a425
4	137	60	9.5	8.1	34	4.2	2.3	1.0	1.7	135	254	a355
5	96	48	9.0	7.3	30	4.0	2.3	.9	43	386	234	a310
6	205	40	8.4	6.7	23	3.8	2.0	1.0	577	582	225	a300
7	338	38	7.8	6.2	20	3.4	2.2	1.0	834	*409	196	a310
8	448	33	7.5	6.2	31	3.3	*2.4	.9	1,060	*235	196	339
9	473	29	7.0	18	34	3.0	2.3	.9	787	176	314	443
10	326	26	7.3	42	41	2.9	2.3	.8	500	251	238	447
11	220	24	7.8	39	58	2.9	2.0	.8	356	374	184	433
12	163	23	7.3	36	50	3.3	1.8	.7	233	374	132	418
13	182	22	7.0	27	26	4.9	2.6	.7	182	340	*87	385
14	687	21	14	20	16	13	5.3	.6	168	272	54	346
15	714	20	19	16	16	26	59	.6	142	260	33	318
16	1,300	18	16	*14	17	28	110	.6	132	278	30	290
17	915	16	13	13	16	15	81	.6	162	187	22	294
18	1,150	16	a12	12	14	9.2	40	.6	184	165	74	405
19	1,150	14	a11	11	13	6.4	15	.5	213	129	126	550
20	1,540	20	a10	11	12	4.9	2.3	*.5	226	93	128	722
21	*3,500	36	a9.0	11	10	4.9	1.4	.6	324	103	133	619
22	*2,650	65	*8.1	10	9.5	8.1	1.3	.6	366	108	152	*528
23	1,830	85	7.5	9.8	9.2	8.4	1.2	.6	456	149	140	510
24	1,580	65	7.0	15	*9.0	6.7	1.2	.5	605	424	128	476
25	1,460	34	6.7	17	8.1	5.3	1.1	.5	912	701	108	444
26	1,290	19	6.2	15	7.5	4.3	1.4	.5	958	2,870	89	405
27	1,100	16	5.9	13	6.7	3.7	1.8	.5	860	2,080	135	1,400
28	869	14	5.9	12	5.9	3.3	1.5	.5	814	879	431	3,130
29	653	13	5.9	11	-	2.9	1.4	.5	840	983	1,520	2,150
30	475	12	5.9	10	-	2.7	1.3	.5	642	512	1,050	1,700
31	294	-	6.2	9.2	-	2.6	-	.6	-	346	a790	-
Total	26,576	1,190	280.9	448.9	566.9	206.2	355.5	21.8	12,580.8	14,626	7,935	19,612
Mean	857	39.7	9.06	14.5	20.2	6.65	11.8	0.70	419	472	256	654
Cfsm	7.45	0.345	0.079	0.126	0.176	0.058	0.103	0.0061	3.64	4.10	2.23	5.69
In.	8.59	0.38	0.09	0.15	0.18	0.07	0.11	0.007	4.07	4.73	2.57	6.34

Calendar year 1952: Max 3,500 Min 0.6 Mean 100 Cfsm 0.870 In. 11.88
Water year 1952-53: Max 3,500 Min 0.5 Mean 231 Cfsm 2.01 In. 27.29

Peak discharge (base, 1,000 cfs).--Oct. 16 (1:30 p.m.) 1,390 cfs (12.63 ft); Oct. 21 (1 p.m.) 4,040 cfs (16.36 ft); June 8 (12:30 p.m.) 1,130 cfs (11.80 ft); June 26 (5 p.m.) 1,030 cfs (11.49 ft); July 26 (3 p.m.) 3,440 cfs (15.95 ft); July 29 (1:30 p.m.) 1,040 cfs (12.45 ft); Aug. 29 (11 a.m.) 1,620 cfs (13.60 ft); Sept. 28 (4 a.m.) 3,410 cfs (15.92 ft).

* Discharge measurement made on this day.

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

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 Peace River.

Drainage area.--205 sq mi, approximately.

Records available.--April 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 10.96 ft above mean sea level, datum of 1929 (State Road Department benchmark).

Extremes.--Maximum discharge during year, 4,780 cfs Oct. 22 (gage height, 15.80 ft); minimum, 1.1 cfs June 2, 3 (gage height, 1.92 ft).
1950-53: Maximum discharge, 6,680 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 of September 1948 reached a stage of 17.8 ft, from information by State Road Department.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.9	0.9	4.0	121
2.0	1.8	5.0	226
2.1	3.0	8.0	722
2.2	4.6	11.0	1,450
2.4	9.4	13.0	2,220
2.6	17	15.0	3,740
3.1	48	15.8	4,780

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	*543	384	179	51	64	61	7.7	18	1.2	569	311	1,120
2	538	298	155	43	68	54	7.2	15	1.1	438	276	1,050
3	773	241	137	42	147	49	*6.9	12	1.1	332	676	693
4	891	203	121	43	136	44	6.5	10	1.4	250	956	782
5	804	178	108	43	115	40	6.0	8.8	8.7	208	1,100	810
6	777	158	97	42	98	36	5.4	7.7	286	211	1,240	976
7	726	143	86	40	90	33	5.6	6.9	488	*192	1,040	1,000
8	639	128	77	38	457	30	17	6.2	656	247	823	1,080
9	596	116	70	114	659	27	9.4	5.6	815	290	760	1,080
10	464	106	65	392	474	24	6.9	4.8	1,370	659	694	1,220
11	380	94	62	423	412	21	5.6	4.2	1,530	712	*718	1,140
12	329	87	57	394	498	20	4.8	3.9	1,250	316	590	939
13	341	81	54	405	531	18	6.7	3.6	953	212	510	870
14	614	74	115	410	474	18	12	3.4	674	176	476	799
15	517	66	137	375	407	23	35	3.3	471	180	433	711
16	654	61	111	312	336	24	138	3.0	340	258	397	692
17	976	58	93	255	272	23	314	2.9	272	211	410	914
18	1,900	55	83	205	225	19	392	*2.6	207	207	764	1,190
19	1,650	51	*75	*179	192	16	335	2.4	175	177	673	1,460
20	1,790	163	69	152	169	14	241	2.1	183	157	644	1,900
21	*3,670	745	66	134	148	14	164	2.0	301	133	680	2,460
22	4,740	1,170	62	117	130	16	112	1.9	815	132	716	*2,450
23	4,440	1,030	59	105	118	16	79	2.5	1,610	375	916	1,980
24	3,610	782	55	117	*108	18	59	1.8	1,930	637	1,190	1,510
25	2,740	644	51	117	96	16	48	1.6	1,540	637	1,180	1,210
26	1,930	542	48	106	86	13	42	1.5	1,300	1,010	1,270	972
27	1,390	440	45	94	77	11	37	1.4	1,180	930	2,330	2,220
28	1,070	341	42	86	68	10	31	1.4	1,100	650	2,120	4,140
29	804	265	41	80	-	9.1	25	1.3	978	583	1,710	2,860
30	610	213	38	74	-	8.5	21	1.2	735	520	1,330	2,390
31	481	-	40	68	-	7.9	-	1.2	-	383	1,130	-
Total	41,387	8,917	2,498	5,056	6,655	733.5	2,180.7	144.2	21,172.5	11,990	28,063	42,818
Mean	1,335	297	80.6	163	238	23.7	72.7	4.65	706	387	905	1,427
Cfsm	6.51	1.45	0.393	0.795	1.16	0.116	0.355	0.023	3.44	1.89	4.41	6.96
In.	7.51	1.62	0.45	0.92	1.21	0.13	0.40	0.03	3.84	2.18	5.09	7.77

Calendar year 1952: Max 4,740 Min 0.9 Mean 207 Cfsm 1.01 In. 13.74
Water year 1952-53: Max 4,740 Min 1.1 Mean 470 Cfsm 2.29 In. 31.15

* Discharge measurement made on this day.

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 1953.

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.--17 years, 256 cfs.

Extremes.--Maximum discharge during year, 3,630 cfs Oct. 23, 24 (gage height, 9.11 ft); no flow for many days.
1936-53: Maximum discharge observed, 6,620 cfs Sept. 21, 1947 (gage height, 10.78 ft); no flow for many days in some years.

Remarks.--Records fair.

Cooperation.--Gage readings furnished by employees of Miakka River State Park.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 13-27)

Oct. 1 to Nov. 26, Jan. 14 to Aug. 26						Nov. 27 to Jan. 13		Aug. 27 to Sept. 30	
2.9	0	4.0	20	7.0	760	5.0	33	6.5	426
3.0	.3	4.5	40	7.5	1,200	5.2	44	7.0	760
3.1	.9	5.0	72	8.0	1,880	5.4	62	8.0	1,670
3.2	1.7	5.5	130	9.2	3,780	5.6	94	8.6	2,420
3.4	4.2	6.0	234			5.8	145		
3.6	8.0	6.5	426			6.0	212		
						6.5	426		

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	105	792	263	40	130	135	3.4	53	0	481	744	956
2	122	686	235	38	124	127	2.8	48	0	437	680	956
3	190	561	212	40	137	122	2.4	42	0	381	696	920
4	271	476	187	39	133	114	1.9	37	0	351	760	872
5	347	406	167	37	130	106	1.6	32	0	327	824	880
6	376	351	145	36	130	101	1.4	26	0	291	947	840
7	359	305	129	36	127	98	*1.0	20	0	258	965	840
8	442	271	111	35	218	92	3.4	16	0	234	888	904
9	493	240	99	62	359	87	4.5	12	0	*218	1,080	920
10	510	218	86	75	432	81	5.0	8.8	0	203	1,330	920
11	522	199	77	145	459	76	5.2	6.1	0	190	*1,380	1,000
12	522	181	70	368	481	71	4.7	4.2	0	177	1,330	1,190
13	522	171	63	426	459	66	5.6	2.8	0	165	1,160	1,200
14	499	158	75	421	411	62	7.4	1.9	0.1	158	992	1,140
15	470	147	72	396	381	58	10	1.2	9.8	149	840	1,030
16	459	135	70	363	342	55	11	.7	40	147	744	938
17	470	124	67	342	312	51	13	.3	71	181	688	1,100
18	499	112	66	320	291	45	21	*.1	100	229	652	1,510
19	528	103	*65	*295	261	39	39	0	115	264	610	1,900
20	848	96	63	271	243	34	52	0	161	312	589	2,250
21	2,110	203	62	246	224	30	67	0	165	295	582	2,250
22	3,240	264	60	229	208	26	77	0	199	278	568	*2,080
23	*3,610	327	58	213	192	24	79	0	199	278	528	1,910
24	3,630	351	56	231	*179	22	79	0	226	298	470	1,660
25	3,320	368	54	192	171	19	77	0	271	359	432	1,450
26	2,950	372	52	181	160	15	72	0	334	416	426	1,240
27	2,380	368	50	173	152	12	76	0	448	554	448	1,260
28	1,940	355	47	165	144	7.6	72	0	554	688	481	1,780
29	1,530	334	44	156	-	5.6	66	0	582	808	617	2,150
30	1,180	292	42	147	-	4.2	59	0	540	800	792	2,360
31	974	-	41	138	-	3.9	-	0	-	776	872	-
Total	35,418	8,946	2,888	5,856	6,990	1,789.3	920.3	312.1	4,014.9	10,703	24,115	40,406
Mean	1,143	298	93.2	189	250	57.7	30.7	10.1	134	345	778	1,347
Cfsm	4.86	1.27	0.397	0.804	1.06	0.246	0.131	0.043	0.570	1.47	3.31	5.73
In.	5.61	1.42	0.46	0.93	1.11	0.28	0.15	0.05	0.64	1.69	3.82	6.39

Calendar year 1952: Max 3,630 Min 0 Mean 170 Cfsm 0.723 In. 9.85
Water year 1952-53: Max 3,630 Min 0 Mean 390 Cfsm 1.66 In. 22.55

* Discharge measurement made on this day.

Manatee River near Bradenton, Fla.

Location.--Lat 27°28'30", long. 82°18'05", in sec. 34, T. 34 S., R. 20 E., on left bank 20 ft downstream from bridge on State Highway 675, 800 ft upstream from Craig Branch, 6¼ miles northwest of Verna, and 17 miles east of Bradenton.

Drainage area.--90 sq mi, approximately.

Records available.--April 1939 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 11.72 ft above mean sea level, datum of 1929.

Average discharge.--14 years, 104 cfs.

Extremes.--Maximum discharge during year, 3,600 cfs Oct. 21 (gage height, 22.28 ft); minimum, 1.8 cfs June 1-4 (gage height, 3.73 ft).
1939-53: 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.--Record good, except those for periods of no gage-height record, which are fair.

Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Apr. 12				Apr. 13 to Sept. 28				Sept. 29-30	
3.7	4.8	9.0	365	3.7	1.4	5.0	66	11.7	581
4.0	15	13.0	859	3.8	3.6	7.0	195	17.6	1,380
5.0	56	19.0	1,720	4.0	13	9.0	365		
6.0	102	21.0	2,380						
7.0	165	21.7	2,930	Note.--Same as preceding table above 9.0 ft.					

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	*1,810	74	37	37	29	23	7.9	16	2.2	64	82	630
2	860	67	35	36	36	22	7.6	12	2.2	41	131	585
3	390	62	33	43	94	20	7.6	9.7	2.0	28	520	356
4	240	57	32	44	100	20	7.2	7.8	2.2	38	186	695
5	146	54	30	42	84	19	6.9	a6.9	11	34	107	899
6	*110	51	29	38	64	18	6.6	a6.4	15	46	88	598
7	141	48	28	33	95	17	*6.3	a6.4	24	*139	69	537
8	533	47	27	31	989	16	a6.3	a6.4	95	97	180	1,010
9	1,130	44	26	393	970	15	a6.6	a6.0	187	62	995	600
10	845	42	25	687	521	15	6.6	a5.0	85	65	897	332
11	377	40	25	489	209	14	6.6	4.5	51	51	259	229
12	201	39	25	230	131	14	6.6	a4.5	57	31	*189	174
13	139	39	26	130	108	13	218	a4.5	208	22	132	140
14	121	56	73	96	88	13	252	a4.5	181	*18	113	118
15	109	64	70	77	97	12	222	a4.5	117	16	254	140
16	107	51	*59	64	91	12	126	a4.5	73	17	307	351
17	138	45	47	56	76	11	77	a4.5	48	35	345	1,160
18	365	39	41	49	65	11	54	a4.1	32	44	182	1,300
19	521	37	36	44	56	11	39	*4.1	25	91	237	1,030
20	2,250	148	33	*41	49	10	28	4.1	22	114	188	1,020
21	*2,870	274	31	39	44	10	22	4.1	24	87	134	655
22	1,710	206	29	37	39	12	18	4.1	68	317	187	412
23	*971	130	28	35	36	11	15	4.1	213	280	256	*278
24	474	94	26	54	34	12	13	4.1	284	243	447	212
25	284	74	25	54	*32	11	11	4.5	256	150	681	173
26	191	64	25	50	30	10	47	4.1	220	166	322	188
27	142	55	24	45	28	9.3	31	2.9	128	238	394	1,510
28	116	49	23	39	26	9.0	30	2.8	97	197	1,250	2,700
29	104	44	23	35	-	8.6	29	2.4	106	189	1,090	*1,380
30	90	41	23	32	-	8.2	22	2.2	101	189	934	586
31	82	-	30	30	-	8.2	-	2.2	-	109	468	-
Total	17,567	2,135	1,024	3,110	4,221	415.3	1,336.8	163.9	2,736.6	3,198	11,624	19,998
Mean	567	71.2	33.0	100	151	13.4	44.6	529	91.2	103	375	667
Cfsm	6.30	0.791	0.367	1.11	1.68	0.149	0.496	0.059	1.01	1.14	4.17	7.41
In.	7.26	0.88	0.42	1.29	1.74	0.17	0.55	0.07	1.13	1.32	4.80	8.26

Calendar year 1952: Max 2,870 Min 2.9 Mean 107 Cfsm 1.19 In. 16.16
Water year 1952-53: Max 2,870 Min 2.0 Mean 185 Cfsm 2.06 In. 27.89

Peak discharge (base, 1,100 cfs).--Oct. 9 (4:30 a.m.) 1,190 cfs (15.53 ft); Oct. 21 (4:30 a.m.) 3,600 cfs (22.28 ft); Aug. 9 (10 p.m.) 1,270 cfs (16.13 ft); Aug. 28 (5 a.m.) 1,320 cfs (16.55 ft); Sept. 8 (4 a.m.) 1,120 cfs (15.00 ft); Sept. 18 (6:30 a.m.) 1,350 cfs (16.71 ft); Sept. 28 (7 a.m.) 3,290 cfs (22.02 ft).
* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of partial record.

Little Manatee River near Wimauma, Fla.

Location.--Lat 27°40'15", long. 82°21'10", in sec. 25, T. 32 S., R. 19 E., on left bank 25 ft downstream from bridge on U. S. Highway 301, 1½ miles upstream from Cypress Creek, and 4 miles southwest of Wimauma.

Drainage area.--145 sq mi, approximately.

Records available.--March 1939 to September 1953.

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

Average discharge.--14 years, 182 cfs.

Extremes.--Maximum discharge during year, 6,020 cfs Oct. 20 (gage height, 13.05 ft); minimum, 4.5 cfs May 30 to June 1 (gage height, 0.20 ft).
1939-53: 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 good.

Revisions (water years).--WSP 1032: 1939(M). WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1-20				Oct. 21 to May 31				June 1 to Sept. 30			
1.4	118	7.0	1,260	0.2	4.5	3.0	277	0.2	4.5	2.0	185
2.0	192	9.0	2,240	.3	8.6	5.0	636	.3	8.6	3.0	305
4.0	530	11.0	3,530	.4	14	7.0	1,160	.4	15	5.0	636
6.0	946	12.4	4,940	.6	28	9.0	2,020	.6	33		
				1.0	62	11.0	3,480	Note.--Same as preceding table above 5.0 ft.			
				2.0	153	12.7	5,360				

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	758	147	92	96	70	49	20	21	4.8	60	64	302
2	532	133	86	93	83	46	19	19	5.1	46	82	456
3	320	122	82	88	190	44	19	16	5.1	38	184	497
4	215	113	78	86	170	41	19	15	5.5	53	224	538
5	154	107	76	82	152	40	18	14	8.6	44	172	743
6	121	102	73	77	130	38	17	13	24	31	168	1,000
7	536	97	69	73	127	36	*19	13	37	*26	136	731
8	1,350	94	66	83	599	36	22	12	77	31	224	613
9	1,880	88	64	931	575	33	24	12	79	26	415	655
10	1,540	86	63	1,520	512	32	21	12	63	28	579	459
11	804	85	62	1,430	310	30	19	11	44	57	398	360
12	450	83	61	697	211	30	19	11	40	74	*251	284
13	309	83	60	377	161	29	54	9.6	35	54	180	219
14	281	82	102	251	127	28	252	9.1	54	*37	134	176
15	498	82	109	192	126	28	213	8.6	51	25	133	166
16	700	79	*106	155	125	26	140	8.1	39	24	148	786
17	1,360	77	99	131	110	27	100	7.6	32	50	132	2,530
18	3,710	75	91	115	98	28	74	7.6	24	87	141	2,650
19	3,330	72	83	103	88	26	56	*7.6	22	100	163	2,260
20	*4,940	316	79	*97	81	24	43	7.1	20	131	146	2,240
21	5,220	661	74	92	75	24	35	7.6	19	101	120	1,680
22	2,860	440	70	88	69	51	*28	8.1	23	98	290	1,050
23	1,360	321	68	82	66	62	24	9.1	60	120	308	*664
24	748	237	64	102	63	51	21	8.1	154	140	202	415
25	495	184	62	116	*61	41	19	7.1	175	160	271	321
26	360	154	60	111	59	34	20	6.7	111	136	220	319
27	295	133	58	103	55	29	29	6.3	116	112	322	2,070
28	259	118	57	94	51	26	37	5.9	142	110	526	2,410
29	217	106	57	85	-	24	32	5.1	109	94	733	*1,640
30	184	98	57	79	-	22	25	4.5	80	80	499	990
31	162	-	63	74	-	21	-	4.5	-	70	348	-
Total	35,948	4,575	2,291	7,703	4,544	1,056	1,438	307.3	1,659.1	2,243	7,893	29,224
Mean	1,160	152	73.9	248	162	34.1	47.9	9.91	55.3	72.4	255	974
Cfsm	8.00	1.05	0.510	1.71	1.12	0.235	0.330	0.068	0.381	0.499	1.76	6.72
In.	9.22	1.17	0.59	1.98	1.17	0.27	0.37	0.08	0.43	0.58	2.02	7.50

Calendar year 1952: Max 5,220 Min 4.3 Mean 188 Cfsm 1.30 In. 17.65
Water year 1952-53: Max 5,220 Min 4.5 Mean 271 Cfsm 1.87 In. 25.38

Peak discharge (base, 1,400 cfs).--Oct. 8 (11 p.m.) 1,970 cfs (8.50 ft); Oct. 18 (6 a.m.) 3,940 cfs (11.48 ft); Oct. 20 (11:30 p.m.) 6,020 cfs (13.05 ft); Jan. 11 (2 a.m.) 1,680 cfs (8.34 ft); Sept. 18 (1 a.m.) 2,940 cfs (10.36 ft); Sept. 27 (10 p.m.) 2,640 cfs (9.96 ft).
* Discharge measurement made on this day.

North Prong Alafia River at Keysville, 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 highway bridge, 0.8 mile northwest of Keysville, and 3 miles upstream from confluence with South Prong Alafia River.

Drainage area.--175 sq mi, approximately.

Records available.--May 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 39.56 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 3,490 cfs Oct. 20 (gage height, 12.53 ft); minimum, 4.0 cfs June 1, 2 (gage height, 1.18 ft).
1950-53: Maximum discharge, 3,890 cfs Sept. 7, 1950 (gage height, 12.78 ft); minimum, 3.6 cfs May 17, 1952; minimum gage height, that of June 1, 2, 1953.

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

Revisions.--WSP 1234: Drainage area.

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	67	156	91	75	72	54	29	33	4.0	167	291	389
2	58	138	84	74	80	51	28	30	4.5	126	463	752
3	49	123	79	67	145	*49	27	28	6.8	96	984	846
4	43	110	74	64	171	48	27	27	6.8	76	1,140	1,830
5	40	100	70	61	137	46	26	25	19	62	700	1,000
6	41	91	66	60	107	45	23	24	88	76	516	713
7	115	83	61	56	110	44	31	24	165	70	365	508
8	213	74	57	55	231	43	*40	24	279	*62	313	366
9	377	67	54	134	378	41	30	23	267	68	694	302
10	458	64	53	280	343	38	26	22	208	93	612	286
11	256	63	52	384	210	37	24	20	147	129	463	283
12	152	72	48	291	154	37	23	19	105	162	375	234
13	112	68	48	222	127	*37	*69	17	82	124	309	192
14	96	64	77	175	108	37	134	26	72	78	*235	158
15	100	60	105	146	118	36	101	33	83	60	214	166
16	150	57	95	126	139	35	84	26	94	61	260	346
17	157	55	83	113	124	34	83	20	96	191	344	2,390
18	371	52	80	106	100	31	63	16	100	445	347	*1,370
19	1,120	50	*78	100	92	30	53	*14	104	527	379	994
20	2,890	232	74	97	86	29	48	12	103	670	347	955
21	2,510	553	71	*a95	80	31	44	11	86	579	334	1,100
22	*1,580	610	69	a89	76	82	40	9.9	71	412	451	885
23	994	407	67	a83	72	138	37	9.6	60	429	431	737
24	726	265	64	a97	70	161	34	8.7	118	1,100	355	*620
25	563	196	61	a116	66	156	33	7.6	244	797	596	540
26	423	161	64	a97	63	100	36	6.8	328	579	612	465
27	322	140	60	83	60	63	63	6.3	360	482	782	1,430
28	280	124	58	79	57	51	60	5.7	347	472	716	1,810
29	250	110	58	78	-	43	41	5.1	289	490	519	929
30	208	100	57	76	-	37	38	4.3	225	493	445	682
31	177	-	60	73	-	33	-	4.1	-	374	341	-
Total	14,898	4,445	2,118	3,652	3,576	1,697	1,395	542.1	4,182.1	9,550	14,933	23,278
Mean	481	148	68.3	118	128	54.7	46.5	17.5	139	308	482	776
Cfsm	2.75	0.846	0.390	0.674	0.731	0.313	0.266	0.100	0.794	1.76	2.75	4.43
In.	3.17	0.94	0.45	0.78	0.76	0.36	0.30	0.12	0.89	2.03	3.17	4.95

Calendar year 1952: Max 2,890 Min 3.9 Mean 118 Cfsm 0.674 In. 9.19
Water year 1952-53: Max 2,890 Min 4.0 Mean 231 Cfsm 1.32 In. 17.92

Peak discharge (base, 600 cfs).--Oct. 20 (7 p.m.) 3,490 cfs (12.53 ft); Nov. 21 (10:30 p.m.) 716 cfs (9.15 ft); July 20 (1 p.m.) 707 cfs (9.12 ft); July 24 (11:30 a.m.) 1,220 cfs (10:15 ft); Aug. 3 (8 p.m.) 1,660 cfs (10.78 ft); Aug. 9 (1:30 p.m.) 842 cfs (9.48 ft); Aug. 27 (3:30 p.m.) 1,160 cfs (10.07 ft); Sept. 4 (7:30 a.m.) 2,310 cfs (11.53 ft); Sept. 17 (10 a.m.) 3,100 cfs (12.24 ft); Sept. 27 (9:30 p.m.) 2,980 cfs (12.14 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of recorded range in stage and records for Alafia River at Lithia.

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 1¼ miles downstream from Little Alafia River.
Drainage area.--335 sq mi, approximately.
Records available.--January 1933 to September 1953.
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.--20 years, 345 cfs.
Extremes.--Maximum discharge during year, 6,280 cfs Oct. 21 (gage height, 16.27 ft); minimum, 11 cfs June 2 (gage height, -0.39 ft).
1933-53: Maximum discharge, 19,300 cfs (revised) 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).
Revisions.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers indicated.

WSP	Water year	Date	Discharge (cfs)	Gage height (feet)
742	1933	Sept. 7, 1933	19,300	25.6
757	1934	June 16, 1934	6,410	16.40
782	1935	Sept. 6, 1935	8,300	18.08
872	1939	Oct. 17, 1938	6,870	16.85
1032	1945	June 25, July 26, 1945	6,850	16.83
1082	1947	Sept.20, 1947	11,100	20.38
1112	1948	Sept.30, 1948	5,590	15.59
1142	1949	Aug. 29, 1949	9,740	19.28
1172	1950	Sept. 7, 1950	5,030	15.04

Remarks.--Records good.
Revisions (water years).--WSP 782: 1933(m). WSP 1234: Drainage area. Revised figures of discharge, in cubic feet per second, for high-water periods in the water years 1933-35, 1939, 1945, and 1947-50, superseding those published in WSP 742, 757, 782, 872, 1032, 1082, 1112, 1142, and 1172, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge
1933		1944		1948-Con.	
Sept. 6	15,500	Oct. 21	2,380	Sept.30	5,420
7	18,000			Oct. 1	4,650
8	10,000	1945			
9	6,100	June 25	6,530	1949	
		July 26	6,650	Aug. 28	7,430
1934				29	9,100
June 16	5,950	1947		30	6,360
17	5,900	Sept.19	8,960	31	3,930
		20	10,200	Sept.30	4,450
1935		21	6,820	Oct. 1	4,250
Sept. 5	8,200	22	4,260		
6	7,030	23	3,760	1950	
7	5,900	24	4,890	Sept. 7	4,780
		25	4,490	8	4,220
1938					
Oct. 17	6,660	1948			
		Sept.29	4,210		

a No gage-height record; discharge estimated on basis of floodmark and records for Peace River at Arcadia.

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
September 1933	76,111	18,000	187	2,537	7.55	8.42
June 1934	30,168	5,950	57	1,006	2.99	3.34
Water year 1933-34	117,425	5,950	40	322	.958	13.00
Calendar year 1934	121,090	5,950	40	332	.988	13.40
September 1935	58,750	8,200	434	1,958	5.83	6.50
Water year 1934-35	106,180	8,200	13	291	.866	11.75
Calendar year 1935	108,776	8,200	13	298	.887	12.03
October 1938	39,020	6,660	116	1,259	3.75	4.32
Calendar year 1938	118,716	6,660	17	325	.967	13.14
Water year 1938-39	214,767	6,660	18	588	1.75	23.77
October 1944	12,250	2,500	37	395	1.18	1.36
Calendar year 1944	69,817	2,500	22	191	.568	7.72
June 1945	25,057.1	6,530	6.6	835	2.49	2.77
July	82,692	6,650	862	2,667	7.94	9.15
Water year 1944-45	204,281.1	6,650	6.6	560	1.67	22.59
Calendar year 1945	206,098.1	6,650	6.6	565	1.68	22.80
September 1947	75,851	10,200	417	2,528	7.52	8.40
Water year 1946-47	201,082	10,200	52	551	1.64	22.26
Calendar year 1947	222,155	10,200	52	609	1.81	24.60
September 1948	32,899	5,420	257	1,097	3.26	3.64
Water year 1947-48	180,062	5,420	15	492	1.46	19.93
October 1948	29,365	4,650	162	947	2.82	3.25
Calendar year 1948	185,538	5,420	15	507	1.51	20.53
August 1949	66,226	9,100	401	2,136	6.36	7.33
September	30,044	4,450	370	1,001	2.98	3.33
Water year 1948-49	155,116.3	9,100	8.3	425	1.26	17.16
October 1949	25,627	4,250	206	827	2.46	2.84
Calendar year 1949	153,760.3	9,100	8.3	421	1.25	17.02
September 1950	24,629	4,780	78	821	2.44	2.73
Water year 1949-50	83,211	4,780	12	228	.679	9.21
Calendar year 1950	67,386	4,780	12	185	.551	7.45

Revised peak discharge.--1948-49: Aug. 29 (2 a.m.) 9,740 cfs; Sept.30 (9 a.m.) 4,760 cfs.

Alafia River at Lithia, Fla.--Continued

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 4-13)

Oct. 1 to Feb. 12		Feb. 13 to Sept. 30			
0.7	137	-0.04	11	2.0	268
2.0	280	-.2	18	3.0	430
3.0	430	0.0	30	7.0	1,260
		.5	76	11.0	2,310
Note.--Same as following table above 3.0 ft.		1.0	131	13.0	3,350
		1.5	196	16.0	6,000

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	270	528	238	186	217	155	74	87	12	356	890	954
2	214	468	223	192	225	144	70	74	11	280	728	1,260
3	181	413	211	190	367	*138	67	63	12	227	1,380	1,410
4	156	369	201	188	385	132	63	57	16	189	1,660	1,810
5	139	330	194	190	342	125	64	49	31	159	1,510	2,630
6	137	302	188	188	296	119	55	47	117	144	1,040	2,380
7	370	276	180	180	276	116	60	46	289	152	764	1,770
8	684	255	172	175	666	116	*83	43	372	*138	672	1,390
9	1,180	237	169	378	802	114	82	42	427	153	900	1,020
10	988	224	164	988	770	101	73	42	336	200	1,180	834
11	756	215	162	1,200	676	94	81	38	234	213	1,020	740
12	479	223	157	1,200	516	98	75	36	177	253	770	610
13	349	215	154	870	416	*92	203	33	335	252	646	477
14	327	206	182	634	357	87	340	31	181	192	*584	391
15	284	197	232	499	348	84	250	46	144	161	680	466
16	626	191	226	422	396	87	220	48	143	157	596	942
17	512	184	215	369	364	86	204	40	136	312	860	2,480
18	936	180	209	330	312	78	169	35	144	522	774	3,560
19	1,480	170	*201	303	278	74	141	*30	153	712	884	3,100
20	3,450	427	200	286	259	72	125	29	159	760	754	2,800
21	5,970	1,480	194	*275	242	76	105	26	151	820	656	2,800
22	*5,630	1,200	184	262	225	192	95	32	141	740	790	2,560
23	3,930	966	180	250	220	317	87	26	141	742	796	2,150
24	2,700	740	176	268	220	312	74	22	170	1,050	704	*1,760
25	1,910	541	174	290	206	282	68	20	464	1,330	744	1,420
26	1,440	423	178	275	196	216	84	18	586	1,220	878	1,210
27	1,130	358	168	257	186	146	183	16	788	996	960	2,080
28	974	321	165	248	175	118	168	15	734	922	1,220	3,560
29	854	283	164	240	-	107	115	14	576	962	1,240	*3,340
30	730	257	161	231	-	93	98	13	450	920	1,140	2,390
31	614	-	160	222	-	81	-	12	-	836	896	-
Total	39,400	12,179	5,782	11,786	9,936	4,052	3,576	1,130	7,630	16,070	28,316	54,294
Mean	1,271	406	187	380	355	131	119	36.5	254	518	913	1,810
Cfsm	3.79	1.21	0.558	1.13	1.06	0.391	0.355	0.109	0.758	1.55	2.73	5.40
In.	4.37	1.35	0.64	1.31	1.10	0.45	0.40	0.13	0.85	1.78	3.14	6.03

Calendar year 1952: Max 5,970 Min 12 Mean 292 Cfsm 0.872 In. 11.86
Water year 1952-53: Max 5,970 Min 11 Mean 532 Cfsm 1.59 In. 21.55

Peak discharge (base, 1,700 cfs).--Oct. 21 (8 p.m.) 6,280 cfs (16.27 ft); Aug. 4 (9 a.m.) 1,700 cfs (8.76 ft); Sept. 5 (7 p.m.) 2,740 cfs (11.98 ft); Sept. 18 (11 a.m.) 3,650 cfs (13.43 ft); Sept. 28 (8:30 p.m.) 3,720 cfs (13.53 ft).
* Discharge measurement made on this day.

HILLSBOROUGH RIVER BASIN

Crystal Springs near Zephyrhills, Fla.

Location.--Lat 28°11', long. 82°11', in sec. 35, T. 26 S., R. 21 E., on left bank of Hillsborough River, a quarter of a mile downstream from Crystal Springs, 1½ miles west of village of Crystal Springs, and 3½ miles south of Zephyrhills.
Records available.--October 1934 to September 1953 (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.--1934-53: 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 1952 to September 1953

Date	Hillsborough River		Difference or spring flow
	Below springs	Above springs	
Dec. 8.....	70.0	12.6	57.4
Jan. 19.....	72.5	16.5	56.0
Mar. 2.....	72.4	15.0	57.4
May 25.....	69.4	11.0	58.4
June 27.....	94.1	34.9	59.2

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 1953.

Gage.--Water-stage recorder. Datum of gage is 70.56 ft above mean sea level, datum of 1929.

Extremes.--1951: Maximum discharge during period January to September, 927 cfs Apr. 24 (gage height, 6.74 ft); minimum, 14 cfs Apr. 5, 6; minimum gage height, 1.18 ft Sept. 14.
1951-52: Maximum discharge during year, 1,180 cfs May 30 (gage height, 7.19 ft); minimum, 0.7 cfs May 23 (gage height, 0.72 ft).
1952-53: Maximum discharge during year, 1,800 cfs Sept. 27 (gage height, 8.13 ft); minimum, 1.2 cfs June 2 (gage height, 0.66 ft).

Remarks.--Records fair.

Rating tables, Jan. 10, 1951, to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 10 to Feb. 5, Mar. 19 to Apr. 7, May 23 to June 19, Nov. 19 to Dec. 2, 1951, Apr. 23 to May 24, 1952)

Jan. 10, 1951, to Aug. 3, 1952, Feb. 9 to Sept. 30, 1953

0.6	0.6	3.0	163
.8	3.6	5.0	450
1.0	9.6	6.0	635
1.5	26	7.0	1,070
2.0	54	7.9	1,640

Aug. 4, 1952, to Feb. 8, 1953

1.1	13	2.0	66
1.5	32	3.0	163

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

Discharge, in cubic feet per second, January to September 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					26	26	16	48	*26	24	44	45
2					31	25	*17	49	21	31	36	38
3				a41	56	25	17	45	18	35	37	33
4					56	24	16	39	17	43	41	29
5					53	23	15	35	17	43	83	26
6					48	23	15	32	16	34	83	24
7					125	22	125	*30	16	30	66	26
8				a37	130	22	402	27	18	32	56	26
9					a100	22	360	46	18	44	56	24
10				35	83	21	258	67	18	46	51	22
11				34	67	20	193	43	18	38	42	20
12				*33	56	85	147	36	18	32	32	19
13				31	50	155	125	37	18	27	27	18
14				31	45	109	98	34	18	25	24	18
15				31	41	82	76	31	18	24	21	27
16				31	38	66	60	28	19	23	22	29
17				30	36	54	53	26	21	22	25	54
18				30	35	45	48	26	25	28	25	290
19				29	*34	38	326	25	28	47	27	480
20				29	32	36	723	24	35	49	34	285
21				29	32	34	530	23	37	*45	31	195
22				28	31	34	342	23	30	38	46	136
23				27	30	32	279	21	27	37	74	94
24				27	29	27	748	20	24	36	72	66
25				28	28	25	297	19	22	34	55	51
26				28	27	23	176	19	21	33	106	42
27				27	26	21	120	25	21	34	*102	34
28				27	26	19	89	26	27	52	94	44
29				27	-	18	69	21	23	130	155	144
30				26	-	18	58	18	24	68	84	173
31				26	-	17	-	17	-	60	58	-
Total				997	1,371	1,191	5,798	960	659	1,244	1,709	2,512
Mean				32.2	49.0	38.4	193	31.0	22.0	40.1	55.1	83.7
Cfsm				0.293	0.445	0.349	1.75	0.282	0.200	0.365	0.501	0.761
In.				0.34	0.46	0.40	1.96	0.32	0.22	0.42	0.58	0.85

Calendar year	: Max	Min	Mean	Cfsm	In.
Water year	: Max	Min	Mean	Cfsm	In.

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 Hillsborough River near Zephyrhills.

Blackwater Creek near Knights, Fla.--Continued

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	179	11	22	24	20	87	138	14	390	50	164	68
2	177	11	21	23	21	68	106	13	220	84	170	55
3	135	12	20	22	24	54	82	13	131	227	207	58
4	103	11	24	21	25	45	66	14	84	171	*654	117
5	77	11	29	21	27	40	55	13	59	112	368	297
6	60	11	30	21	30	38	46	10	43	81	275	265
7	45	11	28	*23	29	36	40	9.0	35	75	251	208
8	38	10	27	24	28	33	36	8.4	34	146	546	153
9	32	11	25	23	26	31	31	7.2	29	166	435	127
10	28	10	24	21	26	30	28	7.2	25	171	304	103
11	25	11	23	20	24	29	25	6.3	24	126	247	86
12	22	10	22	21	24	27	24	*5.4	22	98	190	89
13	19	10	21	21	23	25	23	5.1	30	87	152	97
14	18	10	20	21	21	25	23	5.4	35	82	149	87
15	*18	11	20	21	21	400	22	5.1	27	72	124	*78
16	17	18	22	20	22	515	20	4.2	25	60	126	66
17	16	46	23	18	24	366	19	5.1	27	50	120	57
18	15	75	23	16	*25	227	19	9.3	29	43	155	53
19	14	66	31	18	25	154	18	9.6	42	37	423	48
20	14	53	37	18	24	118	17	5.4	40	33	315	43
21	13	46	34	20	23	94	17	1.3	44	29	216	39
22	13	40	33	20	23	75	17	1.0	44	26	146	70
23	13	37	35	20	23	60	16	.8	*96	24	106	109
24	12	34	33	19	24	50	14	5.4	59	22	84	79
25	*12	32	31	19	27	65	13	8.7	45	20	94	74
26	13	*30	30	19	61	544	19	17	72	19	129	74
27	13	27	29	19	130	942	22	57	219	19	103	74
28	13	26	26	19	119	617	22	160	193	24	82	65
29	13	24	25	20	106	406	19	357	115	56	70	58
30	12	23	25	20	-	268	16	539	71	98	60	54
31	11	-	25	19	-	*190	-	794	-	106	66	-
Total	1,190	738	818	633	1,025	5,659	1,013	2,110.9	2,309	2,414	6,531	2,851
Mean	38.4	24.6	26.4	20.4	35.3	183	33.8	68.1	77.0	77.9	211	95.0
Cfsm	0.349	0.224	0.240	0.185	0.321	1.66	0.307	0.619	0.700	0.708	1.92	0.864
In.	0.40	0.25	0.28	0.21	0.35	1.91	0.34	0.71	0.78	0.82	2.21	0.96

Calendar year 1951: Max 748 Min 10 Mean 52.6 Cfsm 0.478 In. 6.48
Water year 1951-52: Max 942 Min 0.8 Mean 74.6 Cfsm 0.678 In. 9.22

Peak discharge (base, 1,000 cfs).--Mar. 27 (5 a.m.) 1,050 cfs (6.96 ft); May 30 (11:30 p.m.) 1,180 cfs (7.19 ft).
* Discharge measurement made on this day.

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	48	73	39	25	32	28	24	30	1.3	21	348	524
2	43	63	37	27	36	*26	22	25	1.4	19	350	648
3	39	55	35	25	71	25	21	22	2.8	17	1,510	726
4	34	48	33	24	71	24	22	19	3.3	16	1,150	678
5	29	43	31	22	64	23	20	17	8.4	15	544	989
6	27	39	28	19	60	22	18	16	14	15	356	1,030
7	28	36	26	18	63	21	34	13	29	14	278	1,040
8	52	32	*25	21	155	20	25	12	46	14	243	654
9	149	29	24	50	140	19	29	11	79	16	294	468
10	168	28	24	116	112	18	28	10	87	67	292	412
11	139	26	25	105	94	17	26	10	50	83	227	279
12	112	25	25	96	83	18	26	10	32	38	163	199
13	91	24	24	80	69	17	55	9.6	27	28	114	145
14	77	24	24	68	57	17	*48	8.4	22	28	136	111
15	82	22	26	60	69	16	39	8.4	19	29	176	308
16	153	21	27	56	68	15	39	7.8	17	32	234	*707
17	139	20	23	51	57	14	35	7.2	17	129	334	*1,430
18	237	20	23	45	51	12	32	6.9	17	261	297	*1,140
19	271	19	21	*43	48	10	30	6.6	21	375	303	836
20	751	45	21	41	45	11	26	6.0	23	348	*392	678
21	743	175	23	39	43	18	23	5.1	20	265	*408	794
22	651	140	21	37	41	42	21	4.2	18	233	382	681
23	533	119	18	36	38	76	20	4.2	19	747	406	1,300
24	387	100	18	43	35	77	19	3.9	23	533	1,440	694
25	286	84	18	46	33	82	16	*3.0	30	477	1,120	456
26	223	73	18	42	32	60	19	2.8	38	708	1,290	382
27	183	62	18	39	31	51	46	2.4	*34	560	734	1,370
28	150	55	18	37	30	45	47	1.8	29	453	562	*1,580
29	122	48	18	36	-	37	40	1.5	25	338	579	1,170
30	*102	43	17	35	-	30	35	1.3	23	237	477	738
31	86	-	18	33	-	26	-	1.3	-	208	369	-
Total	6,135	1,591	748	1,415	1,728	897	885	287.4	776.2	6,324	15,508	22,167
Mean	198	53.0	24.1	45.6	61.7	28.9	29.5	9.27	25.9	204	500	739
Cfsm	1.80	0.482	0.219	0.415	0.561	0.263	0.268	0.084	0.235	1.85	4.55	6.72
In.	2.07	0.54	0.25	0.48	0.58	0.30	0.30	0.10	0.26	2.14	5.24	7.49

Calendar year 1952: Max 942 Min 0.8 Mean 90.2 Cfsm 0.820 In. 11.15
Water year 1952-53: Max 1,580 Min 1.3 Mean 160 Cfsm 1.45 In. 19.75

Peak discharge (base, 1,000 cfs).--Aug. 3 (1 p.m.) 1,630 cfs (7.88 ft); Aug. 24 (11 a.m.) 1,650 cfs (7.92 ft); Sept. 7 (2:30 a.m.) 1,210 cfs (7.23 ft); Sept. 17 (8 a.m.) 1,490 cfs (7.69 ft); Sept. 23 (9 a.m.) 1,140 cfs (7.11 ft); Sept. 27 (8 p.m.) 1,800 cfs (8.13 ft).
* Discharge measurement made on this day.

Hillsborough River near Zephyrhills, Fla.

Location.--Lat 28°08', long. 82°14', in sec. 6, 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 1953.

Gage.--Staff gage read once daily. Datum of gage is 33.28 ft above mean sea level (Corps of Engineers benchmark).

Average discharge.--14 years, 288 cfs.

Extremes.--Maximum discharge observed during year, 4,310 cfs Sept. 28 (gage height, 12.66 ft); minimum, 71 cfs June 2, 3 (gage height, 0.89 ft).
1939-53: 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-height record furnished by superintendent of Hillsborough River State Park.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

0.8	60	8.0	1,530
2.0	215	10.0	2,260
4.0	580	11.0	2,770
6.0	1,010	12.6	4,240

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	154	255	127	98	107	114	223	212	72	118	1,020	1,280
2	145	228	124	103	106	*108	221	184	71	110	956	1,350
3	134	211	121	102	160	108	205	159	71	103	1,770	1,460
4	123	192	119	98	171	106	189	142	75	102	2,150	1,470
5	116	173	114	98	156	101	163	127	85	99	1,460	1,460
6	112	163	111	95	147	95	145	116	98	95	945	2,300
7	111	147	106	93	149	95	160	108	140	94	837	2,520
8	129	137	*106	93	317	93	173	103	145	92	714	2,360
9	219	132	103	140	312	90	137	98	168	93	688	1,740
10	250	127	103	235	263	90	132	94	181	93	645	1,620
11	230	121	103	215	235	88	119	93	155	176	574	1,340
12	203	119	103	197	219	85	136	90	129	132	478	1,140
13	181	114	102	179	206	88	722	90	121	114	428	1,000
14	170	111	101	163	186	93	*1,270	88	111	114	397	907
15	158	108	103	154	197	89	1,190	84	103	124	527	1,020
16	211	107	103	145	207	85	1,110	82	101	124	542	1,510
17	234	103	103	140	192	82	1,050	82	92	247	815	*3,090
18	312	103	98	134	179	80	*981	80	108	337	684	*3,170
19	344	101	98	*129	168	78	920	80	106	399	602	2,470
20	874	120	95	127	158	73	848	80	108	394	*784	1,990
21	1,130	225	98	124	158	107	763	80	103	344	874	2,250
22	1,010	236	98	119	144	296	682	77	95	272	925	2,250
23	889	211	95	116	166	292	604	78	107	674	865	2,320
24	734	192	93	129	153	249	525	77	124	703	1,360	2,400
25	618	176	93	132	140	223	452	*77	119	602	1,840	1,630
26	544	163	93	124	132	197	396	76	147	848	1,650	1,350
27	488	153	90	119	124	173	367	76	*163	878	1,770	2,640
28	439	145	90	116	119	160	330	75	145	859	1,700	4,140
29	382	137	93	114	-	167	277	73	134	916	1,550	3,340
30	*334	132	93	111	-	186	249	72	124	878	1,400	2,500
31	291	-	93	108	-	212	-	72	-	817	1,210	-
Total	11,269	4,642	3,172	4,050	4,971	4,103	14,739	3,025	3,507	10,951	32,160	60,017
Mean	364	155	102	131	178	132	491	97.6	117	353	1,037	2,001
Cfsm	1.65	0.705	0.464	0.595	0.809	0.600	2.23	0.444	0.532	1.60	4.71	9.10
In.	1.90	0.78	0.54	0.68	0.84	0.69	2.49	0.51	0.59	1.85	5.44	10.15

Calendar year 1952 : Max 1,360 Min 77 Mean 215 Cfsm 0.977 In. 13.31
Water year 1952-53 : Max 4,140 Min 71 Mean 429 Cfsm 1.95 In. 26.46

Peak discharge (base, 1,500 cfs).--Aug. 4 (6 a.m.) 2,300 cfs (10.10 ft); Aug. 25 (7 a.m.) 1,960 cfs (9.25 ft); Sept. 7 (3 p.m.) 2,560 cfs (10.65 ft); Sept. 17 (10 p.m.) 3,480 cfs (11.88 ft); Sept. 24 (4 a.m.) 2,590 cfs (10.70 ft); Sept. 28 (8 a.m.) 4,310 cfs (12.66 ft).
* 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 1953.

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.--15 years, 614 cfs (adjusted for diversion).

Extremes.--Maximum daily discharge during year, 6,830 cfs Sept. 30; maximum gage height, 21.84 ft July 28; minimum daily discharge, 37 cfs Dec. 12, Jan. 1, June 4, 5; minimum gage height, 18.06 ft Sept. 16.
1938-53: 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 except those for period of no gage-height record, which are poor. Flow regulated by Tampa Reservoir Dam since Oct. 1, 1945. Capacity of reservoir insufficient to affect monthly figure of runoff. Diversion at point 1¢ miles above station for water supply by city of Tampa as shown in monthly table.

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

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	369	982	283	37	189	a250	287	823	39	291	1,340	2,800
2	278	1,180	129	39	193	a240	283	448	38	275	1,380	2,970
3	318	604	199	201	203	*228	404	715	38	279	1,380	3,180
4	452	998	298	38	203	205	271	479	37	295	1,540	2,850
5	440	441	38	39	212	187	271	464	37	267	1,950	3,020
6	400	847	135	40	342	172	271	417	66	250	2,190	3,260
7	408	545	198	56	191	162	275	386	110	263	2,000	3,120
8	329	436	44	69	259	154	263	324	141	259	2,220	3,450
9	114	389	*367	110	324	144	247	287	158	259	2,080	3,810
10	401	366	39	151		130	244	256	162	279	2,130	3,910
11	442	359	360	181		117	253	233	164	291	2,390	3,910
12	405	361	37	207	a380	104	250	207	164	304	2,150	3,790
13	51	39	118	236		91	263	184	166	279	2,050	3,600
14	828	401	39	259		76	271	166	173	267	1,290	3,360
15	565	370	47	279		63	820	148	184	253	1,580	2,960
16	441	38	283	279		55	1,270	134	189	247	2,040	3,050
17	402	368	38	291		87	1,800	120	189	271	1,470	3,440
18	407	41	42	296	a400	40	*1,890	106	230	279	1,450	3,820
19	442	364	58	287		40	2,330	93	244	279	1,780	4,350
20	437	370	364	*275		41	2,290	80	236	299	*1,640	4,790
21	696	39	39	259		54	2,400	74	221	340	1,530	5,200
22	1,340	365	44	250		117	2,340	72	203	383	2,160	5,670
23	1,620	283	215	239	a350	173	2,270	75	191	452	1,380	6,250
24	1,840	39	39	236		203	1,980	78	193	502	2,750	6,420
25	1,880	368	47	233		242	1,800	74	212	806	2,090	6,420
26	1,870	325	258	225		283	1,840	*66	236	822	2,100	6,280
27	1,490	40	39	218	a280	468	1,630	56	253	796	2,240	6,080
28	1,550	321	44	212		291	1,170	48	*267	1,170	2,430	6,000
29	*1,570	325	58	205	-	295	1,200	43	279	1,060	2,540	6,530
30	1,450	126	77	202	-	291	1,060	40	291	1,520	2,660	*6,830
31	1,170	-	401	194	-	287	-	39	-	1,200	3,000	-
Total	24,405	11,718	4,377	5,842	8,986	5,290	31,943	6,713	5,111	14,537	60,930	131,120
Mean	787	391	141	188	321	171	1,065	217	170	469	1,965	4,371
(†)	24.3	27.2	26.6	25.3	26.7	34.3	31.7	42.9	32.2	33.3	25.9	25.2

Adjusted for diversion

Mean	811	418	168	213	348	205	1,097	260	202	502	1,991	4,396
Cfsm	1.25	0.643	0.258	0.328	0.535	0.315	1.69	0.400	0.311	0.772	3.06	6.76
In.	1.44	0.72	0.30	0.38	0.56	0.36	1.88	0.46	0.35	0.89	3.53	7.55

	Observed			Adjusted		
Calendar year 1952 :	Max 1,900	Min 37	Mean 370	Mean 398	Cfsm 0.612	In. 8.33
Water year 1952-53 :	Max 6,830	Min 37	Mean 852	Mean 882	Cfsm 1.36	In. 18.42

* Discharge measurement made on this day.
† Diversion by city of Tampa, in cubic feet per second; furnished by city of Tampa Water Department.
a No gage-height record; discharge estimated on basis of recorded range in stage and records for station near Zephyrhills.

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 1953.

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 during year, 77 cfs Sept. 30 (gage height, 19.61 ft); no flow for many days.
1946-53: Maximum discharge observed, 107 cfs Sept. 23, 25, 1947; maximum gage height observed, 20.18 ft Sept. 29, 1946; no flow for many days each year.

Remarks--Records fair. Since the completion of a dam just upstream from station on Feb. 10, 1953, the amount of flow diverted from basin has increased.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 27 to Feb. 10)

16.97	0	18.0	4.4
17.0	.1	18.2	6.8
17.2	.5	18.4	10
17.4	1.2	18.6	14
17.6	2.0	19.0	39
17.8	3.0	19.3	60

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	4.3	14	2.5	0.8	1.4		0				0	1.1
2	4.2	12	2.4	.8	1.3		0				0	42
3	3.9	12	2.3	.8	1.9		0				0	46
4	3.6	11	2.2	.8	1.8		0				0	42
5	3.5	10	2.0	.7	1.9		0				0	39
6	3.9	9.4	1.9	.7	1.9	(*)	0				0	39
7	4.6	9.0	1.8	.7	2.4		0				0	39
8	4.7	8.2	1.7	.6	3.1		0				0	38
9	5.3	7.5	1.7	1.5	3.3		0				0	38
10	4.9	7.0	1.6	1.6	3.5		0				0	38
11	4.8	6.6	*1.5	1.8	.9		0				0	38
12	4.8	6.0	1.4	1.8	.6		0				0	36
13	4.9	5.7	1.3	1.7	.3		.1				0	29
14	5.2	5.2	1.2	1.8	.2		0				0	34
15	5.2	4.8	1.2	1.8	.4		0				0	34
16	5.4	4.4	1.0	1.8	.2		*0				.1	42
17	5.7	4.2	1.0	1.8	.2		0				.9	49
18	6.1	3.9	1.0	1.8	.1		0				2.2	50
19	7.2	3.6	.9	1.8	0		0				*59	52
20	12	4.2	.9	1.8	0		0				*60	53
21	15	3.9	.8	1.8	0		0				50	55
22	20	3.5	.8	1.8	0		0				*41	57
23	31	3.4	.8	*1.7	0		0				31	54
24	29	3.2	.8	1.9	0		0				29	53
25	29	3.2	.8	1.8	0		0				28	52
26	28	3.0	.7	1.7	0		0				13	53
27	26	3.0	.7	1.6	0		0				1.7	38
28	24	2.9	.7	1.5	0		0				.4	3.6
29	21	2.9	.7	1.4	-		0				.3	3.6
30	*18	2.6	.7	1.4	-		0		(*)		.2	36
31	15	-	.7	1.4	-		-		-		.4	-
Total	360.2	180.3	39.7	44.9	25.4	0	0.1	0	0	0	317.2	1,184.3
Mean	11.6	6.01	1.28	1.45	0.91	0	0	0	0	0	10.2	39.5
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 31 Min 0 Mean 4.69 Cfsm - In. -
Water year 1952-53: Max 60 Min 0 Mean 5.90 Cfsm - In. -

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

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, 1¾ 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 1953.

Gage.--Water-stage recorder. Datum of gage is 30.68 ft above mean sea level, datum of 1929.

Extremes.--1951-52: Maximum discharge during year, 20 cfs Sept. 5 (gage height, 2.16 ft); no flow for many days.
1952-53: Maximum discharge during year, 83 cfs Sept. 16 (gage height, 3.40 ft); no flow for many days.

Remarks.--Records fair. Some regulation by lakes above station. Since Feb. 10, 1953, considerable flow diverted into basin above station from Hillsborough River basin.

Rating table, Oct. 1, 1951, to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 14 to Dec. 25, 1951, Mar. 29 to Apr. 20, Aug. 21 to Sept. 19, 1952, Apr. 3-22, Sept. 28-30, 1953)

0.17	0	1.5	9.0
.2	.1	2.0	16
.4	1.0	2.5	29
.5	1.4	3.0	54
.8	2.9	3.3	74
1.0	4.2		

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			1.7	0.9	0.3	1.1	4.1	0.2	0.2	0.4	10	4.2
2			1.5	1.0	.3	1.0	3.7	.2	.2	.4	11	3.5
3			1.5	.9	.4	.8	3.3	.2	.2	.2	9.7	4.3
4			1.6	.8	.3	.7	2.9	.2	.2	.6	8.8	7.5
5			1.7	.7	.5	.6	2.6	.2	.2	.4	5.9	12
6	a2.4	a0.3	1.6	.7	.4	.5	2.2	.2	.2	1.9	6.4	8.1
7			1.5	.6	.5	.5	1.9	.2	.2	3.0	6.2	6.5
8			1.4	.5	.4	.4	1.7	.2	.1	2.8	*5.2	6.6
9			1.3	.5	.4	.3	1.5	.1	.2	2.5	4.7	6.6
10			1.3	*.4	.4	.3	1.3	.1	.1	2.3	4.1	5.2
11			1.2	.4	.4	.3	1.2	.1	.1	3.2	3.7	3.9
12		a.6	1.2	.4	.4	.3	1.2	.1	0	2.7	3.3	3.6
13			1.1	.4	.4	.3	1.1	.1	.3	2.4	3.4	3.0
14		1.0	1.0	.4	.4	.3	1.2	**.1	.3	3.0	5.6	2.9
15		1.1	1.1	.4	.4	2.9	1.1	0	.3	3.6	6.2	2.8
16	a.8	1.6	1.0	.3	.3	2.6	.9	0	.3	2.7	6.1	*2.5
17	(*)	2.2	1.0	.3	.4	2.1	.9	0	.2	2.3	5.9	2.3
18		2.0	1.0	.3	.3	1.7	.8	.2	.2	1.9	5.9	3.6
19		2.0	1.2	.3	.3	1.6	.8	.1	.2	1.6	5.9	3.2
20		1.9	1.1	.3	*.3	1.4	.7	0	.2	1.3	7.8	2.8
21		1.7	1.1	.3	.3	1.2	.7	0	.5	2.9	8.6	2.9
22		1.7	1.1	.3	.3	.9	.6	0	.6	4.0	8.8	3.6
23		1.6	1.1	.3	.3	.7	.5	.1	.4	3.4	6.5	5.9
24		1.7	1.0	.2	.3	.5	.5	.1	.4	2.9	5.1	6.2
25		1.6	1.0	.3	.4	1.5	.5	.1	*.3	2.5	4.3	7.1
26	a.5	*1.9	.9	.3	.6	7.8	.5	0	.4	2.0	4.3	6.4
27		2.1	.9	.2	1.2	7.8	.4	0	.8	1.7	3.4	5.7
28		2.2	.8	.3	1.2	6.2	.3	0	.7	1.7	4.2	5.5
29		2.1	.8	.4	1.1	5.3	.3	.1	.6	1.9	3.6	5.4
30		1.8	.7	.3	-	4.8	.2	.3	.5	2.9	3.6	4.5
31		-	.8	.3	-	*4.7	-	.3	-	4.7	4.6	-
Total	37.5	55.0	36.2	13.7	13.2	61.1	39.6	3.5	9.1	69.8	182.8	146.3
Mean	1.21	1.17	1.17	0.44	0.46	1.97	1.32	0.11	0.30	2.25	5.90	4.94
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1951: Max - Min - Mean - Cfsm - In. -
Water year 1951-52: Max 12 Min 0 Mean 1.78 Cfsm - In. -

* Discharge measurement made on this day.
** Field estimate made on this day.
a No gage-height record; discharge estimated on basis of unpublished stage records for Lake Ellen near Sulphur Springs.

Sweetwater Creek near Sulphur Springs, Fla.--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	3.7	3.7	0.7	0.2	0.3	0.9	1.0	2.5	0	0	7.4	15
2	3.2	3.4	.6	.2	.6	.8	.8	2.4	0	0	7.4	18
3	2.7	3.1	.5	.2	1.2	*.8	.7	2.2	0	0	6.6	20
4	2.3	2.9	.5	.2	1.4	.8	.5	1.9	0	0	6.4	20
5	2.0	2.5	.5	.2	1.6	.8	.3	1.5	0	0	6.4	19
6	2.0	2.3	.4	.2	1.4	.7	.1	1.3	.2	0	6.9	17
7	3.6	2.1	.3	.2	2.6	.6	.8	1.3	.2	0	6.9	18
8	5.5	1.9	.3	.2	5.6	.6	1.2	1.2	.1	0	8.2	16
9	7.4	1.6	*.3	.9	4.6	.4	1.2	1.0	.2	0	10	13
10	6.4	1.5	.3	2.0	3.9	.3	1.1	.8	.1	0	9.0	12
11	5.4	1.5	.2	2.3	3.2	.2	.9	.7	0	0	8.7	11
12	4.9	1.5	.2	2.2	2.6	.2	.9	.5	0	0	10	9.9
13	4.5	1.3	.2	2.0	2.3	.2	*2.8	.3	0	0	15	9.2
14	5.0	1.2	.2	1.8	2.0	.2	3.5	.1	0	0	16	8.7
15	4.7	1.2	.2	1.6	3.0	.2	3.7	0	0	0	20	9.8
16	4.4	1.1	.2	1.5	2.9	.2	4.6	0	0	0	42	39
17	4.5	.9	.2	1.4	2.5	.2	4.3	0	0	.2	*64	47
18	5.5	.8	.2	1.2	3.5	.2	3.8	0	.3	.1	*54	39
19	6.7	.8	.2	1.1	1.9	.2	3.6	0	.2	.2	*44	32
20	18	1.7	.2	*1.0	1.6	.3	3.2	0	.1	.1	39	30
21	*18	2.1	.2	1.0	1.5	2.0	2.7	0	.2	.3	34	27
22	16	2.0	.2	.8	1.3	4.5	2.4	0	.3	1.1	*29	26
23	*14	1.8	.2	.8	1.2	4.8	2.2	0	.2	4.9	25	26
24	11	1.6	.2	1.2	1.1	4.6	2.0	0	.2	4.2	22	27
25	9.9	1.4	.2	1.1	1.0	4.0	2.0	0	.2	2.8	19	28
26	8.5	1.3	.2	1.0	.9	3.1	2.7	0	.2	4.6	16	32
27	7.5	1.2	.2	.9	.9	2.5	3.0	0	.2	6.4	14	68
28	6.7	1.1	.2	.8	.8	2.3	2.9	0	**.2	4.5	12	57
29	5.5	.9	.2	.9	-	2.0	2.8	0	0	3.8	12	49
30	4.6	.8	.2	.7	-	1.6	2.6	0	0	5.8	11	*51
31	4.1	-	.2	.5	-	1.3	-	0	-	5.0	12	-
Total	208.2	51.2	8.6	30.3	57.4	41.5	64.3	17.7	3.1	44.0	593.9	794.6
Mean	6.72	1.71	0.28	0.98	2.05	1.34	2.14	0.57	0.10	1.42	19.2	26.5
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 18 Min 0 Mean 2.21 Cfsm - In. -
Water year 1952-53: Max 68 Min 0 Mean 5.25 Cfsm - In. -

* Discharge measurement made on this day.
** Field estimate made on this day.

Rocky Creek near Sulphur Springs, Fla.

Location.--Lat 28°02'23", long. 82°34'31", in N½ sec. 23, T. 28 S., R. 17 E., on left bank 100 ft upstream from Seaboard Railroad 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 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 0.15 ft below mean sea level, datum of 1929.

Extremes.--Maximum discharge during period, 697 cfs Sept. 27 (gage height, 12.00 ft), from rating curve extended above 400 cfs; minimum, 1.4 cfs July 13-16 (gage height, 3.17 ft).

Remarks.--Records fair.

Rating table, Jan. 1 to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)

3.1	0.6	5.0	129
3.2	2.0	7.0	261
3.5	12	9.0	409
3.7	26	11.0	597
4.0	64		

Discharge, in cubic feet per second, January to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				3.1	6.5	13	9.8	17	1.8	2.5	100	100
2				3.6	6.5	12	9.5	14	2.0	2.5	117	91
3				3.4	13	*11	9.2	13	2.0	2.5	99	91
4				3.1	17	10	8.8	12	2.2	2.2	79	91
5				3.1	14	9.8	8.2	11	2.8	2.2	73	87
6				3.1	11	9.2	8.2	10	3.6	2.0	91	83
7				2.8	12	8.8	8.8	9.8	3.9	2.0	116	87
8				2.8	64	8.2	13	9.5	3.9	2.0	126	100
9				7.5	76	7.8	12	8.8	3.6	2.0	255	99
10				21	47	7.2	10	8.2	3.1	2.0	233	101
11				19	34	6.8	8.8	7.8	2.8	2.0	182	99
12				13	28	6.5	8.5	7.2	2.8	1.8	265	87
13				10	25	6.1	*25	6.5	2.5	1.6	340	74
14				9.5	22	6.1	61	6.1	2.5	1.4	266	68
15				8.5	33	5.7	53	5.7	2.0	1.4	196	67
16				7.8	44	5.7	47	5.4	2.0	1.6	223	128
17				7.5	43	5.4	43	4.8	2.2	2.0	487	436
18				7.2	34	5.0	42	4.5	3.4	2.0	*389	*383
19				7.2	29	4.8	40	4.2	3.9	2.0	*245	301
20				*7.2	26	4.8	40	4.2	4.2	2.0	*192	242
21				7.5	24	12	39	3.6	3.6	1.8	155	198
22				7.2	22	51	36	3.4	3.9	2.0	*132	170
23				6.8	20	53	33	3.4	3.9	4.8	115	154
24				8.2	20	36	30	3.4	4.2	14	103	138
25				9.2	18	26	26	3.1	4.8	25	93	138
26				8.8	17	20	26	2.5	4.8	32	85	155
27				7.8	15	16	28	*2.2	4.5	144	78	492
28				7.5	14	14	25	2.0	*3.6	181	75	547
29				7.2	-	12	22	2.0	3.1	103	72	330
30				6.8	-	11	20	1.8	2.8	83	66	273
31				6.5	-	10	-	1.8	-	79	72	-
Total				233.9	735.0	414.9	750.8	198.9	96.4	709.3	5,100	5,406
Mean				7.55	26.2	13.4	25.0	6.42	3.21	22.9	165	180
Cfsm				0.216	0.749	0.383	0.714	0.183	0.092	0.654	4.71	5.14
In.				0.25	0.78	0.44	0.80	0.21	0.10	0.75	5.42	5.74

Calendar year	: Max		Min		Mean		Cfsm		In.
Water year	: Max		Min		Mean		Cfsm		In.

Peak discharge (base, 500 cfs).--Aug. 17 (2 p.m.) 576 cfs (10.79 ft); Sept. 27 (9:30 p.m.) 697 cfs (12.00 ft).

* Discharge measurement made on this day.

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 1953.

Gage.--Water-stage recorder and concrete control. Datum of gage is 0.85 ft below mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 289 cfs July 27 (gage height, 8.17 ft); no flow for many days.
1949-53: Maximum discharge, 490 cfs Sept. 6, 1950 (gage height, 9.00 ft); no flow for many days each year.

Remarks.--Records fair. Some regulation at times from manual operation of gate valve in control.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Oct. 5		Oct. 6 to Sept. 30			
6.3	0.5	6.2	0	6.7	17
6.4	2.3	6.3	0.5	6.8	25
		6.4	2.7	7.2	69
		6.5	6.2	7.5	128
		6.6	11	8.1	272

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	1.6	3.9	1.9	0.8	1.7	3.0	1.2	1.0	0	2.7	56	28
2	1.6	3.6	1.9	.8	2.2	2.7	1.4	.8	0	2.2	38	34
3	1.6	3.2	1.9	.8	3.6	3.0	1.2	.5	0	2.6	23	32
4	1.4	3.0	1.9	.3	3.2	*3.0	.8	.3	0	2.7	16	24
5	1.2	2.7	1.9	.3	3.0	2.2	.5	.1	0	1.7	12	18
6	1.2	2.7	1.4	.4	2.7	1.2	.4	.1	0	1.0	12	14
7	3.6	2.7	1.0	.5	5.3	1.2	.5	.2	0	.5	16	13
8	5.8	2.2	1.0	.6	11	1.2	.6	.2	0	.4	27	15
9	6.6	2.2	1.2	3.6	12	.8	.5	.1	0	.2	40	11
10	6.6	2.2	*1.4	4.6	12	.5	.5	0	0	0	40	8.8
11	6.2	3.0	.8	3.6	9.8	.4	.5	0	0	0	36	7.5
12	5.8	2.7	.5	3.2	8.4	.5	.8	0	0	0	37	6.2
13	4.6	2.4	.6	3.0	6.6	.6	3.0	0	0	0	30	5.0
14	5.4	2.4	.8	2.7	5.4	.6	1.9	0	0	0	22	4.6
15	5.8	2.7	.6	2.7	7.5	.5	*2.2	0	0	0	16	5.8
16	4.6	2.7	.5	2.7	6.6	.4	3.2	0	0	0.3	12	30
17	6.2	2.7	.5	2.4	6.6	.3	3.0	0	0	.5	*12	110
18	7.0	2.7	.6	2.2	6.2	.1	3.2	0	0.6	.4	13	*128
19	7.0	2.7	.6	2.2	5.4	.1	3.2	0	.8	.4	14	95
20	16	5.0	.8	2.2	5.4	.1	2.4	0	1.3	2.8	12	66
21	*26	4.6	1.0	2.2	5.0	1.7	1.7	0	3.2	3.6	*11	48
22	*30	3.6	.8	1.9	4.6	4.6	1.4	0	2.7	1.9	11	38
23	25	3.2	.8	1.7	3.9	4.6	1.2	0	2.4	3.2	14	32
24	18	3.0	.8	2.7	3.9	5.4	1.2	0	1.9	19	13	30
25	14	3.0	.8	1.4	3.2	5.0	1.2	0	1.4	171	12	32
26	9.8	3.0	.8	1.0	3.2	3.2	2.4	*0	1.4	212	12	39
27	7.5	3.0	.8	1.2	3.2	3.0	2.7	0	1.8	265	12	157
28	6.2	2.7	.6	1.4	3.0	2.7	2.2	0	3.9	246	11	178
29	5.0	2.4	.6	1.7	-	1.7	1.4	0	*3.6	169	14	*119
30	3.9	2.2	.6	1.7	-	1.2	1.2	0	3.6	119	14	74
31	3.9	-	1.0	1.7	-	1.2	-	0	-	77	18	-
Total	249.1	88.1	30.4	58.2	154.6	56.7	47.6	3.3	28.6	1,305.1	626	1,402.9
Mean	8.04	2.94	0.98	1.88	5.52	1.83	1.59	0.11	0.95	42.1	20.2	46.8
Cfsm	0.893	0.327	0.109	0.209	0.613	0.203	0.177	0.012	0.106	4.68	2.24	5.20
In.	1.03	0.36	0.13	0.24	0.64	0.23	0.20	0.01	0.12	5.39	2.59	5.80

Calendar year 1952: Max 131 Min 0 Mean 4.24 Cfsm 0.471 In. 6.43
Water year 1952-53: Max 265 Min 0 Mean 11.1 Cfsm 1.23 In. 16.74

* 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 1953.

Gage.--Water-stage recorder and concrete control. Datum of gage is at mean sea level, datum of 1929 (Pinellas County benchmark).

Extremes.--Maximum discharge during year, 266 cfs Sept. 17 (gage height, 6.44 ft); no flow for many days.
1950-53: Maximum discharge, 539 cfs Sept. 5, 1950 (gage height, 7.44 ft), from rating curve extended above 270 cfs; no flow for many days each year.

Remarks.--Records fair. 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 1952-53 (gage height in feet, and discharge, in cubic feet per second)

Oct. 1 to July 10				July 11 to Sept. 30			
5.0	0	5.3	26	5.0	0	5.5	46
5.1	4.6	5.6	75	5.1	1.5	5.8	98
5.2	14	6.0	160	5.2	7.0	6.0	150
				5.3	18	6.5	282

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	1.6	15	2.1	0	a2.5	3.9	2.6	0	0	3.2	22	47
2	1.6	14	1.6	0	15	2.6	2.6	.1	0	2.1	a29	90
3	1.2	12	2.1	0	17	1.2	1.2	.1	0	1.6	36	78
4	.2	9.8	2.1	0	16	.8	2.1	0	0	1.2	29	64
5	0	8.0	2.1	0	14	2.1	.8	0	0	.4	29	52
6	0	7.1	1.6	0	11	.8	.2	0	0	0	42	40
7	2.6	7.1	.8	0	12	.4	2.5	0	0	0	46	34
8	14	4.6	.4	0	36	.8	3.9	0	0	0	62	29
9	31	3.9	.4	5.7	32	0	2.1	0	0	0	133	22
10	28	2.6	0	17	29	0	1.6	0	0	0	142	19
11	25	3.2	.9	21	25	0	2.1	0	0	0	118	14
12	21	4.6	0	19	19	0	.2	0	0	0	110	11
13	17	3.9	0	18	21	0	7.1	0	0	0	84	8.8
14	14	3.2	0	15	13	0	6.2	0	0	0	67	7.0
15	13	3.2	0	13	18	0	*3.9	0	0	0	59	25
16	11	4.6	0	12	16	0	7.1	0	0	1.0	72	155
17	18	4.6	0	9.8	17	0	3.9	0	0	6.2	*108	*261
18	29	3.2	0	8.0	15	0	1.2	0	0	5.5	*94	*225
19	41	2.6	0	8.0	12	0	2.6	0	0	4.8	78	166
20	112	7.1	0	7.1	8.9	0	3.2	0	0	3.6	64	128
21	150	8.0	0	*7.1	8.0	1.0	.4	0	0	2.6	*56	98
22	*125	6.2	0	7.1	9.8	9.8	0	0	0	2.2	52	78
23	102	6.2	0	3.9	9.8	14	0	0	0	3.1	46	59
24	81	5.4	0	3.9	8.0	14	0	0	0	13	40	47
25	60	3.9	0	4.6	8.0	14	0	0	0	34	34	39
26	49	3.9	0	5.4	6.2	12	1.3	*0	0	30	29	44
27	42	4.6	0	3.9	7.1	8.0	3.2	0	1.8	36	23	190
28	34	3.2	0	a2.2	5.4	7.1	2.1	0	7.1	36	22	188
29	28	3.2	0	a2.5	-	6.2	.8	0	5.4	32	18	*136
30	19	3.2	0	a2.5	-	3.2	.2	0	3.9	30	15	103
31	16	-	0	a2.5	-	2.6	-	0	-	28	22	-
Total	1,087.2	172.1	14.1	199.2	411.7	104.5	65.1	0.2	18.2	273.5	1,821	2,455.8
Mean	35.1	5.74	0.455	6.43	14.7	3.37	2.17	0.01	0.61	8.82	58.7	81.9
Cfsm	2.51	0.410	0.032	0.459	1.05	0.241	0.155	0.00071	0.044	0.630	4.19	5.85
In.	2.89	0.46	0.04	0.53	1.09	0.28	0.17	0.0005	0.05	0.73	4.84	6.52

Calendar year 1952: Max 172 Min 0 Mean 9.48 Cfsm 0.677 In. 9.23
Water year 1952-53: Max 261 Min 0 Mean 18.1 Cfsm 1.29 In. 17.60

* Discharge measurement or observation of no flow made on this day.
a No gage-height record; discharge estimated on basis of records for Alligator Creek at Safety Harbor.

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 bridge on State Highway 232, 30 ft downstream from outlet of Keystone Lake, and 3.2 miles south of Odessa.

Drainage area.--10 sq mi, approximately.

Records available.--April 1946 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 30.00 ft above mean sea level, datum of 1929.

Average discharge.--7 years, 7.73 cfs.

Extremes.--Maximum discharge during year, 69 cfs at 12 p.m. Sept. 30 (stage rising; peak, 73 cfs, occurred at 6 p.m. Oct. 1, 1953, gage height, 12.60 ft); no flow for many days; minimum gage height, 9.83 ft July 21.
1946-53: 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.

Revisions.--WSP 1204: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Nov. 25		Nov. 26 to Dec. 10		Dec. 11 to Sept. 30			
10.7	5.9	10.4	2.5	9.95	0	11.3	13
11.0	12	10.5	3.4	10.0	.3	11.8	23
11.5	23	10.7	5.9	10.1	.8	12.0	38
				10.5	3.2	12.3	53
				10.7	4.9	12.5	66
				11.1	9.1		

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	13	18	4.2	1.6	1.5	2.7	2.3	6.2	0	0	13	26
2	12	17	4.0	1.6	1.7	2.6	2.3	6.0	0	0	13	27
3	12	17	3.9	1.4	1.8	2.5	2.2	5.7	0	0	12	31
4	11	16	3.7	1.4	1.8	2.4	2.1	5.4	0	0	12	32
5	10	15	3.6	1.3	1.7	2.3	2.0	5.1	.2	0	11	32
6	10	15	3.4	1.3	1.7	2.1	2.0	4.8	.8	0	14	32
7	11	14	3.2	1.3	2.0	2.0	2.1	4.5	.8	0	14	34
8	12	13	3.0	1.2	2.4	1.9	2.1	4.4	.8	0	21	35
9	12	12	2.9	1.7	2.4	1.7	2.1	4.1	a.8	0	26	33
10	12	12	2.8	2.0	2.5	1.6	2.0	3.8	a.8	0	29	32
11	12	12	*2.6	2.0	2.5	1.6	1.9	3.5	a.8	0	a29	30
12	11	11	2.4	2.0	2.6	1.5	2.1	3.2	a.8	0	a27	28
13	11	11	2.4	2.0	2.6	1.4	4.2	3.0	.8	0	a26	27
14	11	10	2.3	1.9	2.6	1.4	4.6	2.8	.7	0	a25	25
15	11	9.6	2.2	1.9	3.1	1.3	5.0	2.5	.6	0	a24	25
16	10	9.2	2.1	1.9	3.1	1.2	*5.9	2.3	.5	0	a24	29
17	11	8.7	2.0	1.9	3.1	1.0	6.2	2.1	.4	0	a34	33
18	11	8.1	1.9	2.0	3.1	.9	6.8	1.9	.5	0	50	37
19	12	7.4	1.8	2.0	3.1	.8	7.0	1.8	.5	0	*48	38
20	15	8.1	1.8	1.9	3.1	.7	7.0	1.6	.5	0	46	38
21	18	7.7	1.8	1.9	3.2	1.6	7.0	1.4	.6	0	43	39
22	19	7.2	1.8	*1.8	3.2	2.4	7.0	1.3	.6	.2	42	38
23	21	7.0	1.7	1.9	3.1	2.6	6.9	1.1	.5	.7	39	37
24	*21	6.3	1.7	2.0	3.1	2.8	6.9	1.0	.4	1.8	37	38
25	22	5.9	1.7	1.9	3.1	2.8	6.7	.8	.3	2.6	35	38
26	22	5.6	1.6	1.8	3.0	2.6	7.1	.7	.3	4.2	35	40
27	21	5.3	1.6	1.8	2.8	2.6	7.0	.5	.3	7.5	33	56
28	21	5.0	1.5	1.7	2.7	2.5	6.8	.4	.3	9.4	31	62
29	20	4.7	1.4	1.7	-	2.4	6.6	.2	.2	11	29	65
30	19	4.4	1.4	1.6	-	2.4	6.4	0	0	12	28	66
31	18	-	1.4	1.5	-	2.3	-	0	-	13	27	-
Total	452	303.2	74.0	53.9	72.6	60.6	140.3	82.1	13.8	62.4	877	1,103
Mean	14.6	10.1	2.39	1.74	2.59	1.95	4.68	2.65	0.460	2.01	28.3	36.8
Cfsm	1.46	1.01	0.239	0.174	0.259	0.195	0.468	0.265	0.046	0.201	2.83	3.68
In.	1.68	1.13	0.28	0.20	0.27	0.23	0.52	0.31	0.05	0.23	3.26	4.10

Calendar year 1952: Max 23 Min 0.4 Mean 6.53 Cfsm 0.653 In. 8.91
Water year 1952-53: Max 66 Min 0 Mean 9.03 Cfsm 0.903 In. 12.26

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of recorded range in stage and records for station near Tarpon Springs.

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 1953.

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

Extremes.--Maximum discharge during year, 266 cfs Aug. 10 (gage height, 11.70 ft); no flow May 24 to June 4.
1950-53: Maximum discharge, 1,080 cfs Sept. 6, 1950 (gage height, 12.80 ft); no flow at times each year.

Remarks.--Records good.

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	14	29	14	4.8	7.2	9.3	11	9.1	0	2.3	90	79
2	16	27	13	5.0	7.8	8.4	8.4	7.8	0	2.1	74	83
3	19	25	12	5.2	9.6	7.1	6.4	6.4	0	2.9	62	109
4	20	23	11	5.2	10	6.0	4.7	5.5	0	3.4	53	123
5	19	22	10	5.4	12	*5.2	3.5	4.4	.1	2.5	48	158
6	18	21	9.3	5.5	12	4.4	2.6	3.4	1.4	2.0	52	153
7	17	20	8.8	5.4	14	3.8	3.6	3.1	2.3	1.6	83	128
8	19	18	7.6	5.4	25	3.3	3.8	3.0	4.2	1.2	134	114
9	22	17	7.5	9.6	29	2.7	3.5	2.4	6.8	.7	217	111
10	23	17	*7.6	9.7	29	2.0	3.4	1.9	8.8	1.5	261	109
11	24	19	7.0	12	26	2.0	3.4	1.3	10	1.9	237	103
12	22	19	6.4	13	23	2.0	4.4	1.2	9.7	1.6	208	92
13	21	19	6.2	13	21	1.8	23	1.0	8.5	.8	163	82
14	19	19	6.2	12	18	1.6	64	.8	7.1	.3	128	74
15	18	19	5.7	11	27	1.4	80	.7	5.5	2.0	105	72
16	17	18	5.5	10	30	1.2	*88	.6	4.1	8.6	106	95
17	17	17	5.2	9.5	32	1.0	86	.4	2.6	21	156	174
18	20	16	5.0	8.9	29	.8	72	.3	1.2	28	*160	237
19	28	15	4.8	8.5	25	.7	58	.3	1.1	29	158	217
20	72	22	4.7	8.0	23	.6	44	.2	.4	27	147	182
21	127	27	4.7	7.0	21	10	34	.2	1.4	25	138	145
22	*151	31	4.5	*7.0	19	25	28	.1	3.1	23	128	119
23	127	30	4.4	7.1	17	40	22	.1	4.3	27	123	108
24	108	28	4.3	8.9	15	48	18	0	4.8	52	116	100
25	89	25	4.2	9.0	14	45	14	0	4.8	90	117	101
26	75	23	4.0	9.0	12	39	13	0	5.0	114	114	113
27	63	21	3.9	8.9	10	32	13	*0	5.4	168	102	222
28	*52	19	3.8	8.6	9.7	27	12	0	5.1	165	92	232
29	42	18	3.6	8.5	-	22	11	0	4.3	151	86	211
30	36	16	3.5	7.8	-	17	10	0	*3.3	138	80	211
31	32	-	4.3	7.5	-	14	-	0	-	114	77	-
Total	1,347	640	202.7	256.4	527.3	384.3	748.7	54.2	115.3	1,207.4	3,815	4,055
Mean	43.5	21.3	6.54	8.27	18.8	12.4	25.0	1.75	3.84	38.9	123	135
Cfsm	1.45	0.710	0.218	0.276	0.627	0.413	0.833	0.058	0.128	1.30	4.10	4.50
In.	1.67	0.79	0.25	0.32	0.65	0.48	0.93	0.07	0.14	1.50	4.73	5.03

Calendar year 1952: Max 245 Min 0 Mean 17.5 Cfsm 0.583 In. 7.90
Water year 1952-53: Max 261 Min 0 Mean 36.6 Cfsm 1.22 In. 16.56

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

Anclote 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 1953.

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

Average discharge.--7 years, 81.9 cfs.

Extremes.--Maximum discharge during year, 2,340 cfs Apr. 14 (gage height, 24.37 ft); minimum, 2.2 cfs Mar. 20, 21 (gage height, 7.55 ft).
1946-53: Maximum discharge, 3,500 cfs Sept. 6, 1950 (gage height, 26.02 ft); minimum, that of Mar. 20, 21, 1953.

Remarks.--Records fair.

Revisions.--WSP 1204: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 18 to Feb. 2)

Oct. 1 to Feb. 16		Feb. 17 to Sept. 30			
7.6	6.6	7.5	1.5	12.0	258
8.0	22	7.6	2.9	18.0	748
9.0	60	7.7	4.5	21.0	1,070
10.0	106	8.0	13	23.0	1,610
14.0	388	9.0	55	24.2	2,240
15.8	546	10.0	106		

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	197	70	22	8.8	15	a22	48	a46	3.7	7.3	176	157
2	144	62	21	8.8	18	a20	39	a40	3.7	7.0	141	145
3	110	56	19	8.8	31	a17	34	a35	3.7	9.5	a115	211
4	86	51	18	8.4	35	a14	28	a31	a3.7	14	100	260
5	69	47	16	8.4	38	*12	24	a28	a3.7	11	100	209
6	59	44	15	8.4	37	10	20	a25	a3.7	9.5	117	198
7	54	41	14	8.4	37	9.2	36	a23	a3.7	7.9	116	229
8	54	38	13	8.8	48	7.9	58	a21	a3.8	7.0	143	a265
9	63	35	11	20	60	6.5	63	a19	a6.2	6.5	262	284
10	68	33	11	34	68	5.5	56	18	a10	6.5	564	288
11	67	35	10	39	a62	4.8	46	a16	16	6.0	661	250
12	61	37	*8.8	43	a56	4.3	122	a14	11	5.8	667	196
13	56	36	8.4	40	a50	4.0	*1,240	*13	8.6	5.8	530	143
14	51	35	8.8	36	a46	3.7	*2,200	a12	6.0	6.2	394	121
15	47	32	9.1	33	a60	3.5	*1,560	a11	6.8	6.8	295	114
16	43	31	8.8	31	a77	3.2	1,050	a10	7.3	7.0	399	a154
17	41	28	8.4	29	91	2.9	*765	a9.6	6.8	7.9	652	274
18	45	26	8.0	27	a74	2.6	548	a8.8	6.5	9.5	a628	a398
19	51	25	7.7	24	a63	2.5	416	a8.0	6.2	11	*509	512
20	116	39	7.3	23	a55	2.3	338	a7.5	6.0	12	*384	414
21	285	49	9.5	21	a48	27	276	7.0	5.5	13	a330	329
22	496	43	9.8	*19	a42	92	224	a6.4	6.5	14	392	319
23	*544	41	9.1	18	a38	190	a186	a5.9	6.2	18	a444	320
24	*392	38	8.4	21	a34	298	a154	a5.5	5.8	22	355	320
25	330	35	8.0	22	a31	310	a128	a5.0	5.8	34	322	304
26	257	33	7.7	23	28	248	a105	a4.6	a6.1	70	324	305
27	*199	31	7.3	22	a26	181	a89	*4.3	a6.3	107	304	474
28	155	29	7.0	21	a23	132	a75	4.2	a6.6	203	267	701
29	123	26	7.3	20	-	102	a63	4.0	a6.9	225	230	755
30	99	24	7.0	18	-	78	a54	4.0	*7.0	a202	206	647
31	82	-	7.7	16	-	60	-	3.9	-	187	182	-
Total	4,444	1,150	334.1	668.8	1,291	1,875.9	10,045	450.7	189.8	1,259.2	10,309	9,296
Mean	143	38.3	10.8	21.6	46.1	60.5	335	14.5	6.33	40.6	333	310
Cfsm	2.13	0.572	0.161	0.322	0.688	0.903	5.00	0.216	0.094	0.606	4.97	4.63
In.	2.47	0.64	0.19	0.37	0.72	1.04	5.58	0.25	0.11	0.70	5.72	5.16

Calendar year 1952: Max 863 Min 4.2 Mean 62.4 Cfsm 0.931 In. 12.68
Water year 1952-53: Max 2,200 Min 2.3 Mean 113 Cfsm 1.69 In. 22.95

Peak discharge (base, 700 cfs).--Apr. 14 (6 a.m.) 2,340 cfs (24.37 ft); Aug. 17 (12 p.m.) 739 cfs (17.90 ft); Sept. 29 (7 a.m.) 766 cfs (18.20 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for station near Tarpon Springs.

Note.--Discharge Feb. 17, 26, May 7, 13, 21, June 11 to Sept. 30 computed from once- or twice-daily gage readings.

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 1953 (discharge measurements only).
Gage.--Staff gage read only when discharge measurements are made.
Extremes.--1931-53: Maximum discharge measured, 256 cfs Sept. 25, 1950; minimum measured, 106 cfs Feb. 14, 1933.
Remarks.--Discharge measurements made three-quarters of a mile downstream from head of spring.

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

Oct. 27	167	May 20	182
Dec. 3	165	July 1	184
Jan. 13	153	Aug. 14	228
Feb. 26	155	Sept. 23	237
Apr. 8	160		

WITHLACOOCHEE 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 1953.
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.--23 years (1930-53), 371 cfs.
Extremes.--Maximum discharge during year, 2,420 cfs Sept. 19 (gage height, 13.79 ft); minimum, 67 cfs June 1, 2 (gage height, 2.45 ft).
1928-29, 1930-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Mar. 31		Apr. 1 to Sept. 30			
2.6	76	2.5	70	8.0	674
5.0	265	4.0	173	10.0	1,130
6.5	425	6.0	375	13.8	2,420

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	133	402	109	94	95	177	302	1,290	70	289	890	1,610
2	118	411	108	94	105	168	347	1,150	72	265	955	1,660
3	108	416	106	94	124	153	394	1,010	76	243	1,000	1,720
4	100	412	*106	104	120	145	428	890	79	225	1,040	1,780
5	94	404	106	97	117	140	449	794	88	206	1,110	1,820
6	91	391	107	90	117	133	459	715	92	196	1,200	1,910
7	90	373	106	87	119	128	472	647	100	187	1,210	2,060
8	90	351	105	86	124	125	469	580	103	171	1,230	2,200
9	96	329	103	98	123	120	461	508	106	151	1,290	2,220
10	101	308	103	109	121	115	*445	443	112	135	1,270	2,250
11	106	288	104	103	122	112	423	386	112	125	*1,240	2,300
12	109	267	103	91	126	110	402	333	129	114	1,190	2,300
13	112	246	102	88	133	108	579	297	153	105	1,130	2,260
14	114	226	102	89	141	106	724	265	152	101	1,080	2,210
15	120	208	101	*91	164	106	950	238	138	102	1,130	2,180
16	129	194	97	93	183	97	1,140	216	126	105	1,210	2,200
17	125	183	95	94	197	86	1,380	195	124	105	1,270	2,300
18	126	169	94	97	204	83	1,630	171	125	105	1,260	2,390
19	128	159	94	98	206	79	1,820	*152	124	102	1,210	2,420
20	169	155	94	98	208	76	1,950	145	122	98	1,140	2,400
21	192	155	93	98	211	89	1,990	137	129	104	1,110	2,370
22	199	150	90	98	212	112	2,000	129	141	118	1,070	*2,320
23	202	139	88	98	212	117	1,980	122	162	112	1,050	2,300
24	214	129	94	101	205	112	1,930	112	214	117	1,110	2,260
25	231	122	98	101	201	101	1,860	97	277	148	1,150	2,220
26	256	119	88	97	*197	96	1,800	93	338	207	1,180	2,190
27	*281	116	81	94	192	99	1,720	93	338	300	1,180	2,210
28	308	113	81	93	185	104	1,630	92	338	401	1,220	2,260
29	331	110	78	93	-	134	1,520	91	329	554	1,420	2,270
30	360	110	81	93	-	191	1,430	88	311	697	1,540	2,260
31	384	-	91	94	-	251	-	82	-	800	1,580	-
Total	5,217	7,155	3,008	2,955	4,464	3,773	33,084	11,561	4,780	6,686	36,665	64,850
Mean	168	238	97.0	95.3	159	122	1,103	373	159	216	1,183	2,162
Cfsm	0.258	0.366	0.149	0.147	0.245	0.188	1.70	0.574	0.245	0.332	1.82	3.33
In.	0.30	0.41	0.17	0.17	0.26	0.22	1.89	0.66	0.27	0.38	2.10	3.71

Calendar year 1952: Max 897 Min 27 Mean 210 Cfsm 0.323 In. 4.39
Water year 1952-53: Max 2,420 Min 70 Mean 505 Cfsm 0.777 In. 10.54

* 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 1953.

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.--14 years, 493 cfs.

Extremes.--Maximum discharge during year, 3,560 cfs Sept. 22, 23 (gage height, 10.12 ft); minimum, 143 cfs Dec. 29-31, Jan. 7, 8 (gage height, 3.68 ft).
1939-53: 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 good except those for periods of no gage-height record, which are poor.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

3.6	136	7.0	901
4.0	175	8.0	1,390
5.0	306	9.0	2,110
6.0	522	10.2	3,660

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	287	529	192	150	155	240	280	1,650	a193	380	905	1,800
2	285	538	189	151	162	233	319	1,540	a185	362	995	1,850
3	279	545	*192	151	176	226	358	1,450	178	343	1,050	1,900
4	272	542	185	151	181	217	394	1,310	180	324	1,090	1,930
5	262	525	183	154	183	209	428	1,200	186	308	1,140	1,990
6	258	513	182	152	185	203	458	1,100	198	296	1,200	2,080
7	262	495	180	146	187	198	501	1,060	207	285	1,220	2,220
8	248	478	178	143	192	193	504	980	214	271	1,270	2,340
9	241	453	177	157	196	189	501	870	227	253	1,360	2,510
10	236	432	175	167	197	185	*498	784	218	238	1,450	2,650
11	235	413	173	168	197	183	487	698	213	227	1,460	2,720
12	235	390	172	165	199	181	476	609	212	213	1,420	2,740
13	233	366	171	*159	200	178	538	532	223	200	1,400	2,760
14	229	341	171	156	203	177	655	478	233	193	*1,330	2,700
15	229	322	170	156	219	175	874	437	235	190	1,310	2,660
16	237	304	168	156	231	174	1,120	404	229	192	1,380	2,730
17	236	287	165	158	242	168	1,270	374	220	187	1,490	2,810
18	241	274	162	159	253	162	1,440	a352	217	187	1,580	2,970
19	256	260	161	160	260	160	1,600	a324	213	192	1,620	3,200
20	298	253	160	160	266	157	1,700	303	209	185	1,610	3,340
21	350	246	159	160	266	167	1,790	293	207	197	1,580	3,410
22	392	241	158	160	266	188	1,880	279	212	233	1,550	*3,480
23	419	236	155	160	268	199	1,940	a270	222	237	1,510	3,560
24	430	227	153	161	265	209	1,970	a259	236	238	1,500	3,530
25	434	220	155	161	260	206	2,000	a249	272	249	1,550	3,500
26	441	212	156	161	256	203	2,040	a241	332	293	1,590	3,450
27	*453	207	152	160	252	199	2,000	a232	378	330	1,590	3,450
28	470	203	149	157	246	199	1,920	a224	394	380	1,600	3,320
29	484	198	145	156	-	204	1,840	a215	398	463	1,620	3,270
30	498	195	143	155	-	214	1,760	a207	*392	617	1,690	3,290
31	513	-	147	155	-	242	-	a199	-	780	1,740	-
Total	9,943	10,445	5,178	4,865	6,163	6,038	33,541	19,123	7,233	9,043	43,780	84,160
Mean	321	348	167	157	220	195	1,118	617	241	292	1,412	2,805
Cfsm	0.357	0.387	0.186	0.174	0.244	0.217	1.24	0.686	0.268	0.324	1.57	3.12
In.	0.41	0.43	0.21	0.20	0.25	0.25	1.39	0.79	0.30	0.37	1.81	3.48

Calendar year 1952: Max 1,070 Min 78 Mean 307 Cfsm 0.341 In. 4.65
Water year 1952-53: Max 3,560 Min 143 Mean 656 Cfsm 0.729 In. 9.89

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of recorded range in stage and records for station near Trilby.

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 1953.
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.--22 years (1931-53), 1,112 cfs.
Extremes.--Maximum discharge during year, 4,830 cfs at 12 p.m. Sept. 30 (stage rising; peak, 5,050 cfs, occurred Oct. 9, 1953, gage height, 10.46 ft); minimum, 571 cfs Feb. 2 (gage height, 1.37 ft).
1928-29, 1931-53: Maximum discharge, 6,740 cfs July 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 fair.
Revisions.--WSP 1234: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 9, 10)

Oct. 1 to Apr. 4		Apr. 5 to Aug. 10		Aug. 11 to Sept. 30	
1.3	556	1.4	569	4.2	1,230
3.6	1,180	4.0	1,160	7.0	2,270
		5.8	1,720	9.0	3,580
				10.1	4,650

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	873	1,110	881	637	576	639	641	1,700	629	*703	986	2,500
2	876	1,110	864	628	580	651	630	1,710	607	693	988	2,520
3	867	1,110	856	618	580	656	618	1,710	587	684	993	2,530
4	850	1,110	842	602	598	663	612	1,700	582	693	1,000	2,550
5	839	1,110	831	596	600	653	611	1,670	597	689	1,020	2,550
6	836	1,100	814	589	605	639	622	1,660	622	686	1,070	2,560
7	906	1,100	801	582	618	634	721	1,660	659	684	1,080	2,590
8	979	1,090	790	578	672	632	*739	1,660	661	670	1,100	2,620
9	1,030	1,090	782	713	680	623	730	1,630	691	654	1,140	2,640
10	1,040	1,100	771	747	670	605	732	1,580	664	647	1,190	2,660
11	1,040	1,110	758	734	658	598	744	1,530	645	661	1,230	2,690
12	1,030	1,110	744	721	651	596	765	1,490	631	654	1,280	2,710
13	1,020	1,100	729	708	639	591	807	1,430	661	638	*1,340	2,750
14	1,010	1,100	718	695	628	589	819	1,370	670	638	1,390	2,780
15	994	1,100	716	*688	651	591	839	1,320	712	634	1,440	2,820
16	982	1,080	705	678	648	587	867	1,270	714	634	1,520	2,960
17	970	1,080	698	670	641	589	881	1,220	684	650	1,610	3,230
18	956	1,070	688	665	632	587	899	1,180	652	647	1,810	3,450
19	947	1,050	680	665	625	587	928	1,110	634	682	1,900	3,630
20	*956	1,060	678	665	621	585	944	1,090	616	716	1,980	3,810
21	1,020	1,040	682	660	623	602	962	1,050	605	749	2,050	3,930
22	1,080	1,020	678	651	623	665	988	*1,030	599	792	2,140	*4,040
23	1,130	1,000	670	648	623	705	1,020	1,030	620	802	2,170	4,090
24	1,150	994	658	648	625	742	1,050	962	698	816	2,220	4,140
25	1,160	979	653	637	*623	718	1,090	913	703	832	2,300	4,190
26	1,160	970	653	625	623	685	1,180	862	790	860	2,380	4,270
27	1,160	958	651	616	621	665	1,260	804	826	918	2,420	4,410
28	1,150	935	646	607	623	658	1,320	767	795	960	2,470	4,460
29	1,140	918	634	596	-	656	1,500	728	769	971	2,500	4,530
30	1,130	904	625	585	-	651	1,700	689	735	976	2,510	4,650
31	1,120	-	639	578	-	651	-	654	-	978	2,510	-
Total	31,401	31,608	22,535	20,030	17,557	19,693	27,219	39,179	20,058	23,011	51,737	99,260
Mean	1,013	1,054	727	646	627	635	907	1,264	669	742	1,669	3,309
Cfsm	0.592	0.616	0.425	0.378	0.367	0.371	0.530	0.739	0.391	0.434	0.976	1.94
In.	0.68	0.69	0.49	0.44	0.38	0.43	0.59	0.85	0.44	0.50	1.13	2.16

Calendar year 1952: Max 1,540 Min 501 Mean 894 Cfsm 0.523 In. 7.12
Water year 1952-53: Max 4,650 Min 576 Mean 1,105 Cfsm 0.646 In. 8.78

* 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 1953 (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.--1931-53: 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 1952 to September 1953

Oct. 20..... 770	Feb. 25..... 673	June 30..... 753
Dec. 1..... 698	Apr. 10..... 533	Aug. 13..... 770
Jan. 14..... 731	May 18..... 736	Sept.21..... 876

Waccasassa River near Otter Creek, Fla.

Location.--Lat 29°22', long. 82°44', in sec. 17, T. 13 S., R. 16 E., near right bank at upstream side of bridge on State Highway 24, 2.8 miles northeast of village of Otter Creek, and 11 miles upstream from Otter Creek.

Records available.--May 1945 to November 1953 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 23.52 ft above mean sea level, datum of 1929.

Average discharge.--8 years, 80.0 cfs.

Extremes.--Maximum discharge during period October 1952 to November 1953, 577 cfs Aug. 25 (gage height, 5.60 ft); minimum, 14 cfs June 3, 4 (gage height, 1.97 ft).
1945-53: Maximum discharge, 1,210 cfs Sept. 7, 1950 (gage height, 7.16 ft); minimum, 6.5 cfs June 11, 12, 1945; minimum gage height, 1.52 ft June 11, 12, 14, 15, 1945

Remarks.--Records good. Records include flow in main channel only. Waccasassa River and Otter Creek are connected above State Highway 24 by swamps and numerous cross channels.

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	106	81	36	44	56	34	21	45	15	53	164	365
2	93	77	*34	47	55	33	21	41	15	48	159	326
3	82	73	33	45	57	32	21	36	15	45	149	302
4	73	69	33	42	56	31	22	32	16	37	130	281
5	67	66	33	39	55	30	21	29	20	31	133	263
6	64	64	33	36	53	29	22	27	24	30	180	266
7	75	61	33	35	53	29	195	29	26	31	209	281
8	136	59	33	34	51	28	187	33	26	29	230	261
9	219	56	33	110	48	27	*145	32	29	28	313	233
10	266	56	33	175	47	27	118	30	24	28	330	207
11	286	62	34	177	45	26	102	29	22	31	297	191
12	277	61	34	166	44	26	143	26	28	32	*272	170
13	256	58	34	154	42	26	200	24	32	32	258	151
14	231	55	33	*136	41	26	166	22	38	37	266	131
15	205	53	32	124	43	25	130	21	82	38	284	118
16	184	51	31	112	43	25	*102	20	80	42	297	128
17	161	50	31	100	42	25	86	19	65	69	302	143
18	143	49	31	91	41	24	73	*18	54	84	283	131
19	130	48	30	87	39	24	82	18	42	91	306	123
20	120	58	31	85	38	23	101	17	32	138	340	130
21	*121	63	31	80	38	24	92	17	27	189	386	133
22	124	61	32	76	38	30	79	16	25	195	428	123
23	121	58	32	74	41	33	67	16	26	177	459	112
24	118	53	32	79	41	34	58	16	30	154	497	104
25	118	50	31	77	39	31	50	16	36	138	552	102
26	114	45	31	71	38	28	53	16	53	120	558	138
27	108	42	31	67	*36	25	58	16	68	191	529	235
28	104	41	30	65	35	24	54	15	70	259	539	231
29	95	40	30	65	-	23	52	15	*69	247	532	221
30	90	38	30	62	-	22	50	15	62	218	484	*249
31	86	-	36	59	-	22	-	15	-	186	*422	-
Total	4,373	1,698	1,001	2,614	1,255	846	2,571	721	1,151	3,028	10,288	5,849
Mean	141	56.6	32.3	84.3	44.8	27.3	85.7	23.3	38.4	97.7	332	195
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 369 Min 18 Mean 78.4 Cfsm - In. -
Water year 1952-53: Max 558 Min 15 Mean 97.0 Cfsm - In. -

* Discharge measurement made on this day.

Discharge, in cubic feet per second, 1953

Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.
1	306	61	9	170	60	17	88	52	25	56	-
2	308	58	10	161	61	18	83	50	26	54	-
3	288	56	11	147	61	19	79	48	27	53	-
4	261	54	12	133	60	20	74	48	28	60	-
5	239	60	13	120	58	21	69	60	29	66	-
6	216	66	14	109	56	22	65	65	30	65	-
7	191	65	15	100	55	23	61	*69	31	62	-
8	173	62	16	94	54	24	59	-			

Total	4,010	-
Mean	129	-
Cubic feet per second per square mile	-	-
Runoff in inches	-	-

* Discharge measurement made on this day.

Otter Creek at Otter Creek, Fla.

Location.--Lat 29°19', long. 82°46', in sec. 26, T. 13 S., R. 15 E., near right bank at upstream side of bridge on State Highway 24, 0.5 mile southwest of village of Otter Creek and 7 miles upstream from mouth.

Records available.--May 1945 to November 1953 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 13.35 ft above mean sea level, datum of 1929.

Average discharge.--8 years, 58.6 cfs.

Extremes.--Maximum discharge during period October 1952 to November 1953, 474 cfs Aug. 9 (gage height, 5.00 ft); no flow May 21 to June 7.
1945-53: Maximum discharge, 3,000 cfs Sept. 6, 1950 (gage height, 7.93 ft); no flow at times in most years.

Remarks.--Records fair. Records include flow in main channel and a relief channel 0.4 mile east of gage. Waccasassa River and Otter Creek are connected above State Highway 24 by swamps and numerous cross channels.

Rating table, Oct. 1, 1952, to Nov. 23, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 19-28, June 6-8, Oct. 2 to Nov. 23)

1.1	0	2.3	10
1.2	.1	2.6	20
1.4	.7	3.8	95
1.6	1.8	4.1	137
1.8	3.4	4.4	231
2.0	5.7	5.0	474

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	89	49	13	17	44	10	2.2	37	0	22	179	250
2	78	45	*12	19	44	9.3	1.9	32	0	18	126	209
3	68	41	10	20	48	8.5	1.7	26	0	16	100	185
4	58	38	9.9	18	48	8.0	1.6	20	0	13	85	163
5	50	34	9.7	18	47	7.4	1.3	14	0	10	78	140
6	46	31	9.5	18	43	6.5	1.2	11	0	10	88	124
7	56	27	9.1	17	41	6.0	144	11	0	10	84	124
8	100	24	8.5	17	39	5.7	250	12	.1	7.8	116	128
9	100	21	8.2	98	36	5.1	*173	11	2.3	6.1	379	122
10	270	23	8.2	213	33	4.5	124	9.5	3.0	5.8	412	109
11	262	32	9.5	224	30	4.3	105	7.6	4.0	5.8	298	99
12	231	35	9.3	209	28	4.2	146	6.1	3.4	6.0	*220	89
13	195	34	9.1	179	27	3.8	250	4.7	4.3	5.5	166	80
14	158	30	8.7	*145	23	3.5	206	3.8	13	4.5	140	73
15	126	27	8.0	118	25	3.2	158	2.9	46	4.2	155	67
16	106	23	7.6	102	25	3.2	*137	2.2	74	4.7	202	73
17	94	21	7.4	91	23	2.9	105	1.5	78	26	189	86
18	86	18	7.2	84	20	2.4	87	.8	71	47	169	84
19	81	17	7.2	79	18	2.2	134	*.4	56	44	227	79
20	79	33	7.0	75	18	1.7	153	.1	40	54	362	79
21	*78	39	7.8	72	17	1.9	105	0	25	60	424	*79
22	78	38	7.9	66	16	5.2	87	0	15	57	449	78
23	78	37	7.9	63	14	11	78	0	12	56	440	75
24	78	30	7.8	65	13	16	69	0	16	57	424	75
25	76	27	7.6	63	13	13	61	0	19	71	395	74
26	73	25	7.6	59	12	9.9	66	0	43	76	416	102
27	70	23	7.4	55	*12	7.3	69	0	50	112	350	224
28	66	19	7.2	53	11	5.8	60	0	47	224	318	250
29	61	16	6.7	51	-	4.7	50	0	*39	243	330	266
30	57	14	6.6	48	-	3.6	42	0	30	330	318	310
31	52	-	11	46	-	2.9	-	0	-	254	*286	-
Total	3,100	871	264.6	2,402	768	183.7	2,868.9	213.6	691.1	1,860.4	7,925	3,896
Mean	100	29.0	8.54	77.5	27.4	59.3	95.6	6.89	23.0	60.0	256	130
Cfsm	-	-	-	-	-	-	-	-	-	-	-	-
In.	-	-	-	-	-	-	-	-	-	-	-	-

Calendar year 1952: Max 487 Min 0.6 Mean 54.5 Cfsm - In. -
Water year 1952-53: Max 449 Min 0 Mean 68.8 Cfsm - In. -

* Discharge measurement made on this day.

Discharge, in cubic feet per second, 1953

Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.	Day	Oct.	Nov.
1	375	28	9	105	31	17	57	20	25	25	-
2	399	23	10	99	31	18	53	18	26	22	-
3	326	27	11	90	31	19	49	16	27	20	-
4	262	25	12	83	30	20	44	16	28	31	-
5	209	32	13	76	27	21	40	19	29	39	-
6	166	37	14	72	25	22	36	22	30	36	-
7	131	37	15	66	24	23	31	*31	31	31	-
8	110	34	16	61	21	24	28	-			

Total	3,172	-
Mean	102	-
Cubic feet per second per square mile	-	-
Runoff in inches	-	-

* Discharge measurement made on this day.

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. Prior to Nov. 26, 1952, at site 1,000 ft upstream.

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 1953.

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.--20 years (1927-31, 1937-53), 1,150 cfs.

Extremes.--Maximum discharge during year, 4,000 cfs Sept. 30 (gage height, 12.7 ft); minimum, 17 cfs June 6.
1921-23, 1927-31, 1937-53: Maximum discharge, 12,700 cfs Oct. 3, 1929; maximum gage height, 19.6 ft (present datum) Oct. 3, 1929, Oct. 28, 29, 1947; no flow at times in 1931, 1943.

Remarks.--Records good except those for periods of shifting-control and no gage-height record, which are fair.

Revisions.--WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 26 to Feb. 15, Aug. 21-29, Sept. 7-24)

1.3	15	7.0	745
1	24	9.0	1,330
	37	10.0	1,830
	64	11.0	2,640
3.0	182	12.5	3,840
5.0	440		

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	150	45	38	43	70	905	250	1,020	22	28	464	*3,200
2	140	40	36	48	76	*880	229	905	22	*31	416	3,280
3	110	40	36	48	96	855	215	830	22	40	380	3,280
4	100	*36	38	48	106	810	201	745	20	50	346	*3,280
5	90	35	40	49	108	765	188	650	18	60	299	3,200
6	80	30	43	48	115	725	188	600	19	70	271	3,200
7	90	30	44	46	164	685	369	556	30	80	313	3,120
8	100	30	44	48	264	650	489	542	40	70	292	3,120
9	150	30	43	58	306	600	528	502	59	80	257	3,040
10	200	35	40	75	346	570	556	476	75	50	229	2,880
11	200	35	40	81	380	542	600	452	72	40	243	2,720
12	190	40	39	84	428	556	725	404	67	30	346	2,460
13	180	35	38	84	440	556	*880	369	66	29	358	2,200
14	170	35	37	84	476	542	960	320	62	32	*358	1,970
15	160	35	36	82	528	542	1,050	278	60	39	346	1,770
16	150	40	34	80	585	528	1,180	236	60	130	358	1,650
17	130	40	32	76	650	515	1,330	208	52	194	369	1,600
18	100	40	31	70	705	502	1,410	176	54	194	392	*1,500
19	90	40	*29	72	745	476	1,550	154	63	215	476	1,450
20	80	40	28	*74	765	464	1,650	135	60	264	556	1,450
21	80	45	31	73	785	452	1,650	*121	52	278	830	1,450
22	80	50	36	70	785	428	1,710	112	45	250	1,080	1,370
23	*71	50	37	66	810	416	1,650	100	40	243	1,160	1,250
24	70	50	38	73	830	404	1,650	86	35	285	1,220	1,180
25	80	50	38	82	855	392	1,550	64	31	299	1,180	1,150
26	60	44	37	81	880	369	1,450	62	29	292	*1,180	1,370
27	60	44	36	79	905	346	1,370	51	29	308	1,290	2,280
28	60	43	36	79	905	333	1,290	43	25	333	1,550	3,040
29	50	42	34	79	-	306	1,160	36	23	404	1,970	3,520
30	50	39	35	76	-	285	1,110	31	20	440	2,550	3,840
31	45	-	36	74	-	264	-	28	-	464	*2,960	-
Total	3,346	1,188	1,140	2,130	14,108	16,663	29,158	10,290	1,272	5,300	24,059	70,820
Mean	108	39.6	36.8	68.7	504	538	972	332	42.4	171	776	2,361
Cfsm	0.086	0.031	0.029	0.055	0.400	0.427	0.771	0.263	0.034	0.136	0.616	1.87
In.	0.10	0.03	0.03	0.06	0.42	0.49	0.86	0.30	0.04	0.16	0.71	2.09

Calendar year 1952: Max 4,300 Min 9.8 Mean 506 Cfsm 0.402 In. 5.47
Water year 1952-53: Max 3,840 Min 18 Mean 492 Cfsm 0.390 In. 5.29

* Discharge measurement made on this day.
Note.--No gage-height record Oct. 1-22, Oct. 24 to Nov. 3, Nov. 5-25, July 3-12; discharge estimated on basis of 2 discharge measurements, 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 1953.

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.--28 years, 1,784 cfs.

Extremes.--Maximum discharge during year, 7,200 cfs at 12 p.m. Sept. 30 (stage rising; peak, 10,100 cfs, occurred Oct. 10, 1953, gage height, 28.36 ft); minimum, 46 cfs Dec. 18, 19, June 5; minimum gage height, 1.73 ft June 4, 5.
1906-8, 1927-53: 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, 1.17 ft June 27, 1935.

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

Revisions.--WSP 727: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.7	42	4.0	429
1.8	48	7.0	1,350
2.0	69	12.0	3,130
2.5	131	22.6	7,080
3.0	215		

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	211	81	61	68	132	1,430	382	1,620	62	47	1,120	a3,900
2	195	78	57	61	142	1,410	362	1,510	58	52	1,070	a4,100
3	176	73	56	61	213	1,380	339	1,390	*52	210	942	a4,200
4	156	69	55	62	236	1,350	315	1,270	47	197	824	a4,200
5	138	*64	53	61	262	1,300	294	1,150	48	118	803	a4,400
6	127	59	54	61	270	1,230	292	1,030	66	100	1,010	4,720
7	121	55	55	60	353	1,160	660	985	76	215	830	4,980
8	127	51	55	69	639	1,110	1,020	967	65	215	920	5,130
9	165	48	56	149	671	1,040	1,020	896	65	154	872	5,190
10	245	47	55	164	683	982	1,010	812	78	152	716	a5,200
11	232	47	54	142	728	*957	1,050	737	103	272	710	a5,200
12	217	54	52	140	797	970	1,370	671	132	447	1,280	a5,100
13	208	55	50	142	854	954	2,700	598	143	313	1,340	4,940
14	201	49	49	143	887	942	2,600	530	136	228	1,030	4,720
15	190	49	47	143	954	917	2,290	468	131	*181	866	4,480
16	183	52	47	142	1,040	896	2,280	414	114	764	788	4,120
17	177	53	*47	137	1,110	872	2,370	366	121	1,480	821	3,760
18	170	53	46	134	1,170	836	2,320	326	131	1,470	951	3,380
19	164	52	46	132	1,280	797	2,480	290	110	1,130	1,600	3,070
20	167	72	47	131	1,300	758	2,710	259	94	1,020	2,040	2,850
21	162	80	53	132	1,320	725	2,620	230	90	1,630	2,940	2,600
22	162	77	52	132	1,330	701	*2,510	204	82	1,610	3,360	2,360
23	144	76	49	131	1,340	671	2,440	186	74	1,230	3,240	2,130
24	130	78	48	138	1,360	642	2,360	170	72	1,140	3,170	2,000
25	118	78	48	140	1,370	613	2,270	151	68	1,240	3,190	2,140
26	112	78	49	138	1,400	582	2,190	131	60	1,120	*3,170	2,920
27	107	74	50	142	1,420	540	2,100	116	59	985	3,010	6,360
28	105	71	50	*142	1,430	503	1,980	100	66	954	2,970	7,060
29	104	67	48	142	-	471	1,860	88	64	1,000	3,360	6,710
30	93	64	48	138	-	437	1,730	79	53	1,040	3,360	6,610
31	87	-	52	136	-	409	-	69	-	1,050	a3,700	-
Total	4,894	1,904	1,599	3,715	24,691	27,585	49,924	17,811	2,520	21,764	56,003	128,530
Mean	158	63.5	51.6	120	882	890	1,664	575	84.0	702	1,807	4,284
Cfsm	0.079	0.032	0.026	0.060	0.443	0.447	0.836	0.289	0.042	0.353	0.908	2.15
In.	0.09	0.04	0.03	0.07	0.46	0.52	0.93	0.33	0.05	0.41	1.05	2.40

Calendar year 1952: Max 5,770 Min 38 Mean 1,028 Cfsm 0.517 In. 7.03
Water year 1952-53: Max 7,060 Min 46 Mean 934 Cfsm 0.469 In. 6.38

* 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.

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 1953.

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.--16 years, 495 cfs.

Extremes.--Maximum discharge during year, 2,140 cfs Apr. 20 (gage height, 10.7 ft); minimum, 1.8 cfs Nov. 10.
1937-53: Maximum discharge, 12,700 cfs Apr. 4, 1948 (gage height, 16.8 ft); minimum observed, 0.2 cfs Nov. 11-17, 21, 22, 1942.

Remarks.--Records good. Records of water temperatures for the water year 1953 are given in WSP 1290.

Revisions (water years).--WSP 872: 1937. WSP 1002: 1939(M).

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 20 to Dec. 21, July 3-16)

0.0	1.8	5.0	317
.2	4.3	6.0	430
.5	9.6	7.0	590
.8	16	8.0	830
1.4	40	9.0	1,170
2.0	72	10.0	1,660
3.0	138	11.0	2,400

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	51	3.2	*4.9	72	590	1,450	472	*383	64	5.6	70	84
2	36	2.9	5.6	68	680	*1,500	430	339	72	5.6	56	81
3	25	2.7	6.4	66	*805	1,450	383	287	70	18	50	84
4	19	2.5	7.2	64	780	1,350	339	247	*62	42	44	87
5	14	2.6	7.7	70	730	1,300	297	220	53	41	46	75
6	11	2.5	8.3	81	680	1,210	277	216	66	48	103	138
7	9.8	2.2	8.3	84	730	1,130	488	257	89	52	146	117
8	13	2.1	8.5	90	830	1,090	590	257	69	46	157	90
9	18	2.0	8.3	106	830	1,090	572	229	81	36	150	69
10	16	1.9	8.6	128	755	1,090	520	216	78	30	117	57
11	17	3.6	9.4	146	730	1,130	520	198	103	25	100	84
12	17	5.1	9.4	169	730	1,170	755	177	94	19	94	114
13	17	5.4	10	203	705	1,300	1,010	194	87	15	75	97
14	20	5.7	13	257	680	1,350	1,210	512	110	12	52	72
15	27	4.8	16	287	730	1,300	1,450	920	146	12	37	52
16	32	4.6	19	267	805	1,250	1,660	1,050	146	*14	27	38
17	34	4.3	22	229	920	1,090	1,780	890	117	54	20	28
18	31	4.2	25	198	1,010	950	1,780	705	84	103	16	20
19	27	4.2	26	194	1,090	980	1,840	504	60	94	18	18
20	22	6.8	29	190	1,090	980	2,060	406	42	178	43	38
21	18	5.9	40	224	1,090	950	1,900	472	31	317	44	59
22	14	5.1	39	257	1,250	950	1,550	444	24	418	75	48
23	12	4.6	41	328	1,550	980	1,300	361	18	755	146	36
24	10	4.3	46	472	1,780	1,010	1,050	267	14	920	165	28
25	8.3	4.5	50	590	1,840	950	830	198	10	755	153	37
26	7.2	4.6	54	610	1,720	860	655	157	8.1	488	120	357
27	6.1	4.6	60	590	1,600	755	536	120	7.5	339	117	1,120
28	5.3	4.6	62	590	1,500	705	472	97	7.2	247	169	1,300
29	4.5	4.6	59	630	-	655	444	*78	6.3	173	220	1,300
30	3.9	4.8	60	630	-	590	406	65	*5.9	128	182	1,550
31	*3.6	-	*71	590	-	*536	-	58	-	*94	*114	-
Total	549.7	120.9	834.6	8,480	28,230	33,101	27,576	10,524	1,805.0	5,484.2	2,926	7,278
Mean	17.7	4.03	26.9	274	1,008	1,068	919	339	60.2	177	94.4	243
Cfsm	0.027	0.0063	0.042	0.425	1.57	1.66	1.43	0.526	0.093	0.275	0.147	0.377
In.	0.03	0.007	0.05	0.49	1.64	1.91	1.60	0.61	0.10	0.32	0.17	0.42

Calendar year 1952: Max 2,140 Min 0.6 Mean 449 Cfsm 0.697 In. 9.49
Water year 1952-53: Max 2,060 Min 1.9 Mean 348 Cfsm 0.540 In. 7.35

* Discharge measurement made on this day.

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 1953.

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 and July 10, 1935, to Nov. 30, 1949, staff gage, at site 200 ft upstream at present datum. Dec. 1, 1949, to Nov. 22, 1952, wire-weight gage at present site and datum.

Average discharge.--21 years (1932-53), 975 cfs.

Extremes.--Maximum discharge during year, 4,100 cfs Sept. 30 (gage height, 16.9 ft); minimum observed, 54 cfs Nov. 10.
1921, 1931-53: Maximum discharge, 27,300 cfs Apr. 6, 1948 (gage height, 29.8 ft, from graph based on gage readings); minimum observed, 17 cfs Dec. 21, 28-31, 1931.
Flood of Apr. 30 or May 1, 1928, reached a stage of 28.5 ft (discharge, 18,400 cfs).

Remarks.--Records good.

Revisions (water years).--WSP 822: 1936, drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.3	46	5.0	748
2.0	133	10.0	2,050
3.0	303	17.0	4,130

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	136	72	69	144	820	2,420	1,120	1,140	256	122	796	990
2	129	67	67	150	892	*2,480	1,020	940	229	*118	618	868
3	129	67	68	162	1,060	2,560	916	820	205	116	503	748
4	132	*65	64	168	1,140	2,590	820	796	187	105	416	748
5	127	64	64	173	1,190	2,530	748	772	181	111	353	748
6	120	62	64	166	1,190	2,420	724	748	184	113	313	796
7	108	59	62	156	1,470	2,300	1,160	724	182	154	*303	676
8	229	59	60	148	1,720	2,190	1,340	748	192	210	313	629
9	333	56	60	160	1,720	2,050	1,450	676	204	220	313	583
10	343	54	60	171	1,690	1,910	1,530	629	220	274	363	537
11	313	56	65	184	1,610	1,830	1,530	606	238	313	537	470
12	274	57	65	195	1,550	1,800	1,640	583	238	303	700	405
13	238	60	62	212	1,530	1,830	*2,250	548	238	284	820	353
14	210	66	59	229	1,500	1,850	2,620	503	238	238	892	323
15	182	71	62	238	1,580	1,880	2,790	459	265	220	652	303
16	166	69	63	247	1,640	1,830	2,970	416	284	247	526	294
17	150	67	64	265	1,550	1,800	3,000	426	284	514	514	274
18	138	67	*62	294	1,470	1,770	2,880	526	384	606	748	*247
19	133	64	62	363	1,400	1,770	2,740	652	394	481	796	238
20	136	65	66	*459	1,370	1,770	2,680	796	323	492	868	247
21	119	65	79	481	1,420	1,830	2,590	*868	274	470	1,060	238
22	112	71	83	459	1,580	1,850	2,560	820	238	514	1,220	229
23	108	88	89	416	1,830	1,830	2,500	700	212	537	1,530	204
24	100	118	98	437	2,020	1,740	2,450	629	210	700	1,990	192
25	96	115	109	481	2,160	1,660	2,450	652	182	1,040	2,050	195
26	89	102	116	537	2,300	1,550	2,480	700	192	1,160	1,580	838
27	88	92	119	606	2,360	1,500	2,420	676	187	1,290	1,340	3,000
28	86	86	116	652	2,390	1,450	2,220	548	162	1,400	1,450	3,630
29	77	78	113	700	-	1,400	1,880	426	142	1,470	1,340	3,880
30	74	73	116	748	-	1,340	1,450	353	127	1,420	1,340	4,040
31	69	-	135	796	-	1,220	-	294	-	1,140	1,160	-
Total	4,744	2,155	2,441	10,597	44,152	58,950	58,928	20,174	6,852	16,382	27,404	26,923
Mean	153	71.8	78.7	342	1,577	1,902	1,964	651	228	528	884	897
Cfsm	0.109	0.051	0.056	0.244	1.13	1.36	1.40	0.465	0.163	0.377	0.631	0.641
In.	0.13	0.06	0.06	0.28	1.18	1.57	1.56	0.54	0.18	0.43	0.73	0.72

Calendar year 1952: Max 3,320 Min 43 Mean 794 Cfsm 0.567 In. 7.73
Water year 1952-53: Max 4,040 Min 54 Mean 766 Cfsm 0.547 In. 7.44

* Discharge measurement made on this day.

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 1953.

Gage.--Water-stage recorder. Datum of gage is 171.08 ft above mean sea level, datum of 1929.

Average discharge.--13 years, 517 cfs.

Extremes.--Maximum discharge during year, 3,210 cfs Sept. 30 (gage height, 14.9 ft); minimum, 3.5 cfs Nov. 8-11, 15-18.

1940-53: 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, 1.5 cfs Nov. 25, Dec. 13, 14, 1943.

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.

Revisions (water years).--WSP 1082: 1944.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 1-10)

1.3	1.9	8.0	752
1.5	7.8	10.0	1,160
2.0	28	12.0	1,670
3.0	88	14.0	2,460
4.0	175	15.0	3,320
6.0	424		

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	42	5.6	7.5	38	410	1,580	284	382	42	9.2	212	529
2	34	5.2	7.2	40	368	1,420	254	342	34	13	155	410
3	28	4.9	7.2	44	396	1,250	*224	303	28	*12	114	260
4	23	4.1	6.8	46	424	1,100	196	260	24	15	87	180
5	20	3.8	*6.8	54	483	986	170	236	21	106	*70	190
6	17	3.8	6.5	56	561	906	185	224	20	95	61	801
7	15	3.8	6.2	52	680	828	680	248	19	98	317	1,010
8	16	3.5	6.2	45	809	752	966	296	18	170	545	1,070
9	16	3.5	5.9	49	1,010	698	1,280	342	18	145	396	1,030
10	15	3.5	13	53	1,180	662	1,550	342	16	185	342	771
11	18	4.1	13	67	1,100	716	1,700	296	19	218	296	498
12	19	4.3	9.5	114	906	752	1,760	342	19	185	196	382
13	19	4.3	7.8	165	771	771	2,100	529	71	136	140	329
14	21	3.8	7.5	196	698	771	2,400	577	87	110	106	*230
15	27	3.5	7.5	190	698	790	*2,340	410	59	87	95	150
16	26	3.5	7.8	155	790	771	2,060	248	42	72	88	106
17	23	3.5	8.5	118	1,010	698	1,790	170	36	214	84	84
18	20	3.8	9.2	98	1,140	628	1,580	127	29	453	70	69
19	18	4.1	9.5	*92	1,250	594	1,350	98	24	611	271	60
20	16	5.2	12	95	1,230	645	1,050	*80	27	771	290	80
21	13	5.6	15	136	1,180	662	1,010	66	28	926	190	102
22	12	5.2	14	202	1,230	771	1,350	74	23	866	132	102
23	12	4.6	12	254	1,380	847	1,640	102	20	886	140	80
24	9.8	4.3	15	272	1,580	847	1,610	95	16	1,280	248	62
25	8.5	3.8	21	322	1,670	847	1,350	98	15	1,230	202	56
26	8.1	3.8	30	483	1,610	771	1,030	127	12	1,300	140	451
27	*7.5	4.1	36	628	*1,610	628	734	122	11	1,210	233	1,520
28	7.2	4.3	36	790	1,670	498	529	102	10	986	716	2,060
29	7.8	5.2	33	828	-	424	424	81	9.2	662	752	2,670
30	5.9	7.2	34	698	-	396	410	65	8.5	382	594	3,210
31	5.6	-	38	529	-	342	-	52	-	266	561	-
Total	530.4	129.9	449.6	6,909	27,844	24,351	34,006	6,836	805.7	13,699.2	7,843	18,552
Mean	17.1	4.33	14.5	223	994	786	1,134	221	26.9	442	253	618
Cfsm	0.031	0.0079	0.027	0.408	1.82	1.44	2.07	0.404	0.049	0.808	0.463	1.13
In.	0.04	0.009	0.03	0.47	1.90	1.66	2.31	0.47	0.05	0.93	0.53	1.26

Calendar year 1952: Max 2,920 Min 3.5 Mean 388 Cfsm 0.709 In. 9.68
Water year 1952-53: Max 3,210 Min 3.5 Mean 389 Cfsm 0.711 In. 9.66

Peak discharge (base, 1,500 cfs).--Feb. 25 (10 a.m.) 1,670 cfs (12.0 ft); Apr. 14 (11 p.m.) 2,460 cfs (14.0 ft); Apr. 23 (11 p.m.) 1,700 cfs (12.1 ft); Sept. 30 (11 a.m.) 3,210 cfs (14.9 ft).

* Discharge measurement made on this day.

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 30 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 1953.

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.--22 years, 1,497 cfs.

Extremes.--Maximum discharge during year, 7,180 cfs Apr. 20 (gage height, 18.01 ft); minimum, 120 cfs Nov. 8, 9, 17, 18, Dec. 1, 2 (gage height, 6.67 ft).
1931-53: Maximum discharge, 79,400 cfs Apr. 5, 1948 (gage height, 38.64 ft, from floodmarks); minimum, 86 cfs Oct. 29, 30, 1943 (gage height, 6.42 ft).
Maximum stage known, that of Apr. 5, 1948.

Remarks.--Records good.

Revisions (water years).--WSP 972: 1941-42.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

6.6	100
7.0	229
8.0	685
15.0	5,190
18.0	7,170

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	344	126	120	195	1,080	3,880	1,030	1,770	344	241	2,470	1,940
2	294	126	126	206	1,120	3,980	913	1,480	323	245	1,780	1,960
3	249	129	129	214	1,290	4,010	818	1,320	298	229	1,180	1,860
4	214	126	126	221	1,480	3,950	742	1,200	*277	221	859	1,680
5	195	126	132	214	1,580	3,820	674	1,090	273	210	806	1,740
6	178	*129	135	202	1,580	3,640	691	979	281	245	742	2,170
7	178	126	132	195	1,700	3,370	1,360	949	277	281	594	2,080
8	241	123	129	191	1,990	2,990	2,120	955	331	281	530	1,950
9	273	123	129	214	2,150	2,520	2,570	1,000	530	378	883	2,010
10	314	126	138	225	2,210	2,140	2,870	1,050	636	516	1,180	2,110
11	306	132	132	237	2,220	1,940	3,100	1,040	620	630	1,310	2,200
12	257	129	132	257	2,220	*1,860	3,490	1,030	578	788	1,440	2,320
13	229	129	141	285	2,230	1,850	4,360	985	525	748	1,680	2,260
14	202	129	138	298	2,270	1,850	5,140	889	489	663	1,540	1,880
15	191	132	129	302	2,390	1,830	5,610	841	535	614	1,230	1,410
16	181	129	123	318	2,460	1,810	6,010	877	525	646	925	1,110
17	171	123	123	352	2,400	1,790	6,460	883	507	*1,320	901	883
18	161	120	*126	386	2,250	1,770	6,840	806	588	1,700	961	719
19	165	126	126	452	2,120	1,760	7,030	668	630	1,240	1,030	620
20	161	141	129	594	2,090	1,680	7,160	568	573	1,180	1,120	568
21	149	144	138	714	2,140	1,600	7,010	502	535	1,470	1,200	549
22	146	158	161	641	2,260	1,580	6,590	452	502	1,640	1,350	530
23	146	152	174	568	2,570	1,580	*5,780	413	448	1,730	1,570	507
24	144	144	165	696	2,940	1,580	4,260	378	391	1,790	1,710	502
25	141	141	161	931	3,230	1,590	2,880	336	369	1,890	1,670	493
26	135	138	165	1,050	3,410	1,610	2,550	348	323	2,050	1,600	691
27	132	129	165	1,030	3,560	1,630	2,660	348	302	2,140	*1,460	2,520
28	132	123	161	979	3,710	1,610	2,770	331	302	2,300	1,500	3,360
29	129	123	158	*967	-	1,520	2,620	356	269	2,500	1,560	3,690
30	123	123	161	985	-	1,360	2,220	417	257	2,680	1,630	3,980
31	123	-	181	1,030	-	1,180	-	391	-	2,750	1,820	-
Total	6,004	3,925	4,385	15,149	62,650	69,280	108,328	24,652	12,838	35,316	40,231	50,292
Mean	194	131	141	489	2,238	2,235	3,611	795	428	1,139	1,298	1,676
Cfsm	0.087	0.059	0.064	0.220	1.01	1.01	1.63	0.358	0.193	0.513	0.585	0.755
In.	0.10	0.07	0.07	0.25	1.05	1.16	1.81	0.41	0.22	0.59	0.67	0.84

Calendar year 1952: Max 5,860 Min 117 Mean 1,125 Cfsm 0.507 In. 6.89
Water year 1952-53: Max 7,160 Min 120 Mean 1,186 Cfsm 0.534 In. 7.24

* 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 1953.

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.--26 years, 6,390 cfs.

Extremes.--Maximum discharge during year, 14,600 cfs Sept. 30 (stage rising; peak, 19,200 cfs, occurred Oct. 9, 1953, gage height, 18.80 ft); minimum, 1,330 cfs Dec. 17 (gage height, 2.33 ft).
1927-53: Maximum discharge, 95,300 cfs Apr. 7, 8, 1948 (gage height, 40.88 ft, from floodmarks); minimum, 970 cfs Dec. 13, 14, 24, 25, 1943; minimum gage height, 2.05 ft June 30, 1935, Dec. 13, 14, 24, 25, 1943.

Remarks.--Records excellent.

Revisions.--WSP 727: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.3	1,300
3.0	2,160
6.0	5,810
10.0	9,820
14.1	14,200

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	1,990	1,570	1,400	1,410	2,670	7,930	4,680	8,870	2,710	2,100	6,450	8,430
2	1,950	1,550	1,400	1,430	2,800	8,090	4,410	8,230	2,630	2,060	6,120	8,510
3	1,870	1,540	1,400	1,450	2,980	8,240	4,140	7,640	*2,540	2,030	5,490	8,570
4	1,820	1,530	1,390	1,450	3,320	8,360	3,910	7,140	2,480	2,060	4,860	8,590
5	1,760	*1,520	1,390	1,450	3,540	8,410	3,690	6,740	2,460	2,100	4,380	8,640
6	1,730	1,510	1,390	1,450	3,660	8,380	3,600	6,370	2,410	2,070	4,230	9,020
7	1,710	1,490	1,380	1,450	3,910	8,300	4,070	6,080	2,390	2,070	4,050	9,560
8	1,850	1,480	1,380	1,450	4,420	8,110	5,310	5,880	2,410	2,150	3,830	9,840
9	1,980	1,470	1,380	1,510	4,920	7,780	5,970	5,740	2,430	2,240	3,900	10,000
10	2,070	1,470	1,380	1,550	5,180	7,400	6,290	5,590	2,550	2,320	4,070	10,100
11	2,130	1,460	1,380	1,590	5,330	*7,080	6,690	5,400	2,610	2,410	4,160	10,200
12	2,160	1,460	1,370	1,600	5,430	6,830	7,070	5,210	2,590	2,610	4,480	10,200
13	2,130	1,460	1,360	1,600	5,460	6,680	7,940	5,000	2,560	2,790	5,210	10,200
14	2,080	1,460	1,360	1,610	5,530	6,590	9,210	4,710	2,550	2,710	5,470	10,000
15	2,060	1,460	1,340	1,630	5,660	6,530	9,950	4,430	2,520	2,600	5,330	9,610
16	2,020	1,450	1,340	1,640	5,780	6,440	10,600	4,240	2,540	*2,570	4,950	9,110
17	1,960	1,450	*1,340	1,670	5,910	6,350	11,100	4,110	2,510	3,220	4,560	8,630
18	1,940	1,430	1,360	1,710	5,930	6,280	11,600	3,960	2,520	4,420	4,500	8,150
19	1,900	1,430	1,340	1,750	5,900	6,200	12,000	3,770	2,570	4,570	4,620	7,690
20	1,890	1,460	1,340	1,870	5,890	6,100	12,300	3,600	2,560	4,610	5,170	7,290
21	1,840	1,450	1,360	2,040	5,910	6,020	12,500	3,550	2,500	4,920	5,750	6,940
22	1,820	1,450	1,360	2,080	5,990	5,930	*12,500	3,500	2,450	5,320	6,430	6,600
23	1,800	1,460	1,380	2,080	6,190	5,910	12,400	3,400	2,380	5,430	6,940	6,260
24	1,770	1,460	1,390	2,100	6,560	5,860	11,900	3,280	2,330	5,420	7,330	6,000
25	1,720	1,460	1,390	2,240	6,930	5,810	11,200	3,150	2,300	5,460	7,650	5,830
26	1,690	1,450	1,390	2,390	7,250	5,730	10,600	3,080	2,260	5,640	*7,970	6,030
27	1,670	1,450	1,390	2,460	7,490	5,640	10,300	3,030	2,210	5,860	7,980	8,070
28	1,650	1,430	1,390	*2,500	7,720	5,560	10,200	2,970	2,200	5,940	7,870	11,100
29	1,610	1,420	1,380	2,500	-	5,430	9,980	2,880	2,170	6,130	8,000	12,900
30	1,590	1,410	1,380	2,510	-	5,230	9,000	2,840	2,130	6,330	8,160	14,100
31	1,580	-	1,410	2,520	-	4,980	-	2,790	-	6,480	8,320	-
Total	57,740	44,090	42,640	56,690	148,260	208,180	255,110	147,180	73,470	116,640	178,230	266,170
Mean	1,863	1,470	1,375	1,829	5,295	6,715	8,504	4,748	2,449	3,763	5,749	8,872
Cfsm	0.283	0.223	0.209	0.278	0.805	1.02	1.29	0.722	0.372	0.572	0.874	1.35
In.	0.33	0.25	0.24	0.32	0.84	1.18	1.44	0.83	0.42	0.66	1.01	1.50

Calendar year 1952: Max 14,200 Min 1,340 Mean 4,723 Cfsm 0.718 In. 9.78
Water year 1952-53: Max 14,100 Min 1,340 Mean 4,368 Cfsm 0.664 In. 9.02

* Discharge measurement made on this day.

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, 10¾ miles upstream from Santa Fe River.

Drainage area.--7,090 sq mi, approximately.

Records available.--July 1931 to September 1953.

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.--22 years, 6,470 cfs.

Extremes.--Maximum discharge during year, 12,000 cfs Sept. 30 (stage rising; peak, 16,700 cfs occurred Oct. 11, 1953, gage height, 18.96 ft); minimum, 2,150 cfs Dec. 29 (gage height, 3.30 ft).

1931-53: Maximum discharge observed, 83,900 cfs Apr. 11, 1948 (gage height, 34.07 ft); minimum, 1,610 cfs Dec. 12-21, 24, 1943; minimum gage height, 2.27 ft Dec. 17, 18, 1943.

Maximum stage known, that of Apr. 11, 1948.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

3.3	2,150
5.0	3,290
10.0	7,390
14.3	11,600

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	3,000	2,600	2,340	2,180	3,110	7,040	5,750	10,500	4,420	3,310	6,410	8,880
2	2,960	2,570	2,340	2,280	3,200	7,200	5,560	10,000	*4,330	3,280	6,500	9,140
3	2,920	*2,570	2,360	2,180	3,300	7,340	5,400	9,410	4,180	3,220	6,420	9,350
4	2,880	2,540	2,340	2,180	3,440	7,460	5,190	8,970	4,060	3,170	6,150	9,550
5	2,820	2,480	2,340	2,180	3,640	7,560	4,990	8,830	4,030	3,170	5,890	9,670
6	2,780	2,510	2,280	2,180	3,880	7,620	4,830	8,540	4,060	3,170	5,590	9,800
7	2,810	2,480	2,280	2,180	4,100	7,650	5,030	8,230	4,010	3,170	5,400	9,940
8	2,920	2,480	2,280	2,200	4,220	7,710	5,210	7,930	3,950	3,140	5,280	10,100
9	2,960	2,450	2,280	2,340	4,480	7,620	5,660	7,670	3,940	3,190	5,130	10,300
10	2,960	2,480	2,310	2,310	4,780	*7,500	6,160	7,470	3,930	3,270	5,110	10,400
11	3,000	2,480	2,280	2,310	5,010	7,430	6,590	7,290	3,920	3,310	5,190	10,400
12	3,080	2,510	2,250	2,310	5,200	7,270	7,160	7,140	3,960	3,350	5,200	10,500
13	3,080	2,420	2,250	2,310	5,320	7,110	7,420	6,960	3,930	*3,490	5,340	10,500
14	3,080	2,420	2,250	2,340	5,390	7,020	7,950	6,770	3,960	3,600	5,600	10,500
15	3,080	2,360	2,250	2,360	5,500	6,940	8,580	6,590	3,880	3,600	5,840	10,400
16	3,040	2,310	*2,250	2,390	5,550	6,860	9,180	6,420	3,800	3,520	5,870	10,300
17	3,000	2,360	2,250	2,420	5,680	6,800	9,680	6,240	3,790	3,510	5,770	10,100
18	2,920	2,420	2,220	2,450	5,770	6,780	10,200	6,090	3,750	3,920	5,650	9,820
19	2,880	2,360	2,220	2,420	5,840	6,710	10,700	5,930	3,730	4,540	5,640	9,490
20	2,880	2,480	2,220	2,480	5,970	6,630	*10,900	5,760	3,730	4,840	5,640	9,230
21	2,820	2,420	2,220	2,510	5,940	6,600	11,200	5,580	3,700	4,990	5,910	8,940
22	2,740	2,390	2,220	2,600	5,950	6,510	11,400	5,480	3,640	5,190	6,360	8,640
23	2,740	2,360	2,180	2,650	5,990	6,440	11,500	5,380	3,590	5,440	6,750	8,350
24	2,740	2,360	2,200	2,700	6,130	6,390	11,600	5,260	3,620	5,590	*7,050	8,050
25	2,700	2,360	2,200	2,750	6,310	6,340	11,500	5,120	3,500	5,640	7,340	7,820
26	2,670	2,390	2,200	2,800	6,540	6,280	11,300	5,010	3,500	5,690	7,660	7,990
27	2,640	2,390	2,180	*2,870	6,720	6,210	11,100	4,890	3,500	5,850	7,890	8,250
28	2,640	2,360	2,180	2,990	6,870	6,140	11,000	4,780	3,430	6,180	8,060	9,120
29	2,640	2,340	2,150	3,000	-	6,060	10,800	4,690	3,390	6,160	8,240	10,300
30	2,600	2,340	2,180	3,000	-	5,970	10,700	4,570	3,350	6,220	8,430	11,600
31	2,600	-	2,220	3,020	-	5,850	-	4,500	-	6,340	8,660	-
Total	88,580	72,990	69,720	76,890	143,830	213,040	254,240	208,000	114,580	133,060	195,970	287,430
Mean	2,857	2,433	2,249	2,480	5,137	6,872	8,475	6,710	3,819	4,292	6,322	9,581
Cfsm	0.403	0.343	0.317	0.350	0.725	0.969	1.20	0.946	0.539	0.605	0.892	1.35
In.	0.46	0.38	0.37	0.40	0.75	1.12	1.33	1.09	0.60	0.70	1.03	1.51

Calendar year 1952: Max 13,700 Min 2,150 Mean 5,743 Cfsm 0.810 In. 11.03
Water year 1952-53: Max 11,600 Min 2,150 Mean 5,091 Cfsm 0.718 In. 9.74

* 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 village of Lake Butler.

Drainage area.--212 sq mi.

Records available.--January 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 83.8 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 2,550 cfs Aug. 28 (gage height, 9.77 ft); minimum, 0.7 cfs June 4 (gage height, 0.76 ft).
1950-53: Maximum discharge, 6,470 cfs Sept. 8, 1950 (gage height, 12.02 ft); minimum, 0.6 cfs June 11, 1951 (gage height, 0.71 ft).

Remarks.--Records good.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Oct. 9		Oct. 10 to June 23						June 24 to Sept. 30			
2.5	35	0.7	0.6	2.0	20	6.5	300	0.9	2.0	4.8	120
4.0	76	.8	.8	3.0	44	7.0	420	1.1	4.4	6.5	300
4.8	120	1.0	1.9	4.0	76	7.5	620	1.3	7.1	7.0	420
6.2	260	1.1	2.6	4.8	120	8.0	890	1.7	15	7.5	630
		1.5	8.2	6.0	240	8.8	1,440	3.0	48	8.0	960
								4.0	76	9.8	2,580

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	124	22	4.7	5.6	46	22	22	66	0.8	14	50	*1,710
2	91	19	4.7	6.0	42	*19	18	54	.7	10	36	1,250
3	70	16	4.5	6.0	58	17	16	42	.7	7.9	25	952
4	54	14	4.7	5.3	64	16	15	34	.7	5.9	18	*744
5	44	12	4.8	5.1	58	15	14	28	.8	5.0	23	580
6	37	10	5.3	4.8	52	14	34	23	3.3	*4.5	29	487
7	46	9.2	5.3	4.7	45	12	*839	21	9.3	4.4	22	472
8	111	8.2	*5.1	12	45	12	*1,380	18	9.0	3.6	20	399
9	254	7.8	5.0	188	51	10	*1,410	16	17	3.3	15	376
10	253	7.2	4.8	562	49	9.3	1,340	13	8.1	3.4	11	358
11	208	6.9	4.8	452	44	31	956	11	4.7	3.2	35	316
12	182	6.9	4.7	316	40	177	750	9.0	4.5	2.9	225	273
13	158	6.8	4.5	349	38	265	1,080	7.8	9.4	2.6	96	234
14	125	6.4	4.4	334	36	211	938	6.8	16	2.4	60	189
15	98	6.3	4.4	267	58	150	830	5.9	15	2.5	45	145
16	78	6.2	4.3	212	92	130	770	5.1	11	2.7	54	109
17	65	5.7	4.3	157	91	120	735	4.2	7.4	5.0	*145	90
18	52	5.6	*4.2	108	71	100	566	3.7	4.8	4.1	227	84
19	42	5.3	4.2	*86	58	77	510	3.2	3.4	7.6	372	88
20	40	6.8	4.2	78	51	60	866	2.7	2.6	4.4	314	88
21	46	7.9	4.4	72	46	46	788	2.5	2.2	3.2	402	145
22	*57	7.9	4.4	63	42	45	695	2.3	1.8	2.5	469	167
23	62	7.2	4.5	57	38	52	640	2.0	6.3	2.2	540	182
24	57	6.6	4.4	65	34	50	510	1.8	62	2.3	690	201
25	55	6.2	4.2	80	31	47	384	*1.5	33	2.4	642	256
26	55	5.9	4.2	75	28	48	286	1.4	33	6.6	666	411
27	52	5.7	4.2	67	27	52	230	1.2	51	56	1,140	1,250
28	46	5.4	4.1	68	24	52	169	1.1	44	56	2,400	*1,480
29	38	5.0	4.1	68	-	46	113	1.0	28	62	2,270	1,330
30	31	4.8	4.0	63	-	36	89	.9	19	54	2,430	1,100
31	26	-	4.8	54	-	28	-	.8	-	56	2,250	-
Total	2,657	250.9	140.2	3,890.5	1,359	1,969.3	16,993	390.9	409.5	402.5	15,721	15,466
Mean	85.7	8.36	4.52	126	48.5	63.5	566	12.6	13.6	13.0	507	516
Cfsm	0.404	0.039	0.021	0.594	0.229	0.300	2.67	0.059	0.064	0.061	2.39	2.43
In.	0.47	0.04	0.02	0.68	0.24	0.35	2.98	0.07	0.07	0.07	2.76	2.71

Calendar year 1952: Max 750 Min 1.5 Mean 54.3 Cfsm 0.256 In. 3.50
Water year 1952-53: Max 2,430 Min 0.7 Mean 163 Cfsm 0.769 In. 10.46

Peak discharge (base, 2,000 cfs).--Aug. 28 (1 p.m.) 2,550 cfs (9.77 ft).
* 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 left bank 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 1953.

Gage.--Water-stage recorder. Datum of gage is 42.91 ft above mean sea level (Corps of Engineers benchmark). Prior to Jan. 16, 1939, staff gage at site one-quarter of a mile downstream at same datum. Jan. 17, 1939, to July 23, 1953, wire-weight gage at same site and datum.

Average discharge.--21 years (1932-53), 440 cfs.

Extremes.--Maximum discharge during year, 6,120 cfs Aug. 29 (gage height, 20.44 ft); minimum, 21 cfs Dec. 29-31 (gage height, 7.35 ft).
1931-53: Maximum discharge, 17,500 cfs June 17, 1934; maximum gage height, 24.94 ft Oct. 21, 1944; minimum discharge observed, 1.3 cfs May 17, June 1, 1932.

Remarks.--Records fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 27, Sept. 21-30				Jan. 28 to Sept. 20			
7.3	19	13.0	576	7.3	19	14.0	756
7.6	33	14.0	756	8.0	55	15.0	1,020
8.0	56	15.0	1,050	9.0	121	17.0	1,920
9.0	127	16.0	1,500	11.0	309	19.0	3,910
11.0	309	17.5	2,570	13.0	576	20.3	5,880

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	213	126	30	22	168	82	79	398	23	240	342	4,540
2	179	112	30	23	159	*77	68	349	22	214	274	*3,630
3	148	99	29	25	165	72	65	305	21	188	220	2,960
4	118	90	29	26	170	68	74	262	22	135	169	*2,590
5	92	80	28	26	174	65	65	229	23	113	147	2,230
6	81	73	29	26	162	61	117	203	36	*86	199	1,990
7	91	69	29	23	160	57	790	180	46	72	276	1,870
8	117	64	*29	29	157	55	1,280	164	56	60	305	1,880
9	172	59	28	163	151	52	1,730	153	69	53	270	1,700
10	225	57	28	323	147	48	2,080	a140	69	53	233	1,480
11	276	52	28	435	143	67	2,090	a120	70	48	208	1,280
12	268	49	26	587	135	213	2,040	a110	74	47	423	1,130
13	253	46	25	641	130	277	*1,920	a100	77	45	820	996
14	229	46	24	568	127	286	1,900	a90	89	41	939	872
15	239	44	22	513	160	319	1,980	a85	109	46	738	754
16	216	42	21	486	186	328	1,760	a80	242	62	683	667
17	202	40	23	431	193	264	1,780	77	280	58	*624	605
18	202	38	22	369	197	221	1,310	71	216	56	862	556
19	177	38	22	*317	188	201	1,250	65	162	55	1,190	534
20	161	39	22	276	168	179	1,340	61	121	58	1,480	538
21	161	46	24	250	156	158	1,290	56	83	64	1,480	631
22	202	45	24	229	139	158	1,460	51	61	74	1,490	600
23	237	45	23	218	126	168	*1,350	48	52	69	1,400	587
24	277	43	24	217	116	154	1,210	44	65	62	1,400	589
25	*296	41	24	217	107	147	1,080	*41	268	64	1,660	595
26	272	38	23	232	101	133	948	37	462	75	2,490	643
27	242	36	22	248	95	126	790	34	448	127	2,780	1,110
28	214	35	22	227	88	124	650	31	a400	332	4,140	*1,840
29	189	34	21	204	-	114	542	29	a320	564	5,860	2,490
30	165	32	21	189	-	103	456	26	a280	548	5,830	2,420
31	145	-	21	180	-	91	-	24	-	444	5,190	-
Total	6,059	1,658	773	7,720	4,168	4,468	33,494	3,663	4,266	4,153	44,122	44,307
Mean	195	55.3	24.9	249	149	144	1,116	118	142	134	1,423	1,477
Cfsm	0.310	0.088	0.040	0.395	0.237	0.229	1.77	0.187	0.225	0.213	2.26	2.34
In.	0.36	0.10	0.05	0.46	0.25	0.26	1.98	0.22	0.25	0.25	2.60	2.62

Calendar year 1952: Max 1,440 Min - Mean 144 Cfsm 0.229 In. 3.12
Water year 1952-53: Max 5,860 Min 21 Mean 435 Cfsm 0.690 In. 9.40

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for New River near Lake Butler.

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 1953.

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.--22 years, 796 cfs.

Extremes.--Maximum discharge during year, 3,820 cfs Sept. 2 (gage height, 7.79 ft); minimum, 180 cfs Jan. 6, 7 (gage height, 1.43 ft).
1931-53: 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 good.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 15 to June 14)

Oct. 1 to Apr. 5		Apr. 6 to Sept. 30			
1.4	175	1.7	243	4.0	1,260
1.7	243	2.0	363	5.0	1,870
2.0	375	3.0	798	7.8	3,830
2.2	467				

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	398	311	202	183	306	243	251	1,010	*351	522	514	3,630
2	389	297	202	186	301	237	243	941	330	518	505	3,790
3	375	*283	202	188	292	234	240	872	322	484	488	3,780
4	352	271	200	183	288	234	231	816	310	446	475	3,630
5	338	263	205	181	271	223	228	766	310	425	471	3,450
6	324	255	202	181	275	217	247	734	310	408	467	3,270
7	311	237	198	180	288	217	338	694	306	388	454	3,090
8	306	234	198	188	275	214	475	658	306	367	463	2,920
9	292	234	200	209	255	209	653	627	302	359	480	2,760
10	288	234	200	212	263	*207	936	592	298	347	475	2,610
11	306	234	196	231	271	220	1,180	574	302	338	471	2,470
12	329	228	191	267	288	220	1,380	552	306	330	467	2,280
13	347	226	196	334	271	240	1,500	531	302	318	518	2,100
14	357	223	193	398	263	283	1,500	514	314	*306	614	1,930
15	357	220	189	416	271	329	1,550	501	310	294	694	1,760
16	357	214	*188	421	255	357	1,720	480	314	290	720	1,620
17	347	214	188	426	263	366	1,750	467	347	290	720	1,480
18	343	214	188	426	263	366	1,670	463	375	290	738	1,380
19	352	217	189	421	275	352	1,600	442	371	290	775	1,310
20	343	226	191	407	292	338	*1,570	433	351	290	858	1,280
21	301	214	191	393	283	334	1,550	425	338	290	959	1,210
22	320	207	189	375	271	324	1,570	417	322	290	1,040	1,170
23	329	207	186	375	263	320	1,590	404	318	298	1,090	1,130
24	338	209	186	375	263	311	1,570	400	314	310	*1,120	1,110
25	352	209	186	338	263	306	1,510	392	302	306	1,160	1,090
26	357	209	186	329	263	288	1,440	379	355	302	1,220	1,120
27	357	207	185	*343	255	283	1,360	375	412	318	1,460	1,150
28	357	202	185	352	247	279	1,260	359	442	330	1,840	1,190
29	329	202	183	338	-	267	1,170	355	429	379	2,210	1,360
30	320	202	185	324	-	263	1,090	355	510	459	2,720	1,750
31	320	-	189	320	-	255	-	355	-	501	3,240	-
Total	10,491	6,903	5,969	9,500	7,634	8,536	33,372	16,883	10,179	11,083	29,426	62,820
Mean	338	230	193	306	273	275	1,112	545	339	358	949	2,094
Cfsm	0.356	0.242	0.203	0.322	0.287	0.289	1.17	0.574	0.357	0.377	0.999	2.20
In.	0.41	0.27	0.23	0.37	0.30	0.33	1.31	0.66	0.40	0.43	1.15	2.46

Calendar year 1952: Max 1,220 Min 183 Mean 377 Cfsm 0.397 In. 5.40
Water year 1952-53: Max 3,790 Min 180 Mean 583 Cfsm 0.614 In. 8.32

* Discharge measurement made on this day.

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 1953.
Gage.--Water-stage recorder. Datum of gage is 21.28 ft above mean sea level (Corps of Engineers benchmark). 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.--23 years (1927-29, 1932-53), 1,623 cfs.
Extremes.--Maximum daily discharge during year, 4,400 cfs Sept, 3-5; minimum, 896 cfs Jan. 1, 2, 4-8 (gage height, 0.83 ft).
1927-30, 1932-53: Maximum discharge, 12,300 cfs Mar. 14, 1948; maximum gage height observed, 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.

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	1,180	1,050	917	896	1,040	960	a960	1,830	1,080	1,270	1,210	a4,100
2	1,180	1,040	917	903	1,030	960	a950	1,750	*1,070	a1,260	1,220	a4,300
3	1,160	1,030	924	903	1,020	952	a940	1,680	1,060	a1,220	1,200	a4,400
4	1,140	*1,010	917	896	1,020	952	a930	1,620	a1,190	1,190	a1,190	a4,400
5	1,120	1,000	924	896	1,000	931	a930	1,560	1,050	a1,150	1,190	a4,400
6	1,110	998	917	896	1,010	931	945	1,520	1,050	a1,130	1,200	a4,300
7	1,110	982	917	896	1,020	931	1,040	1,500	1,050	a1,120	1,190	4,230
8	1,120	975	917	917	1,000	924	1,160	1,450	1,060	1,110	1,200	4,050
9	1,100	975	917	968	990	*924	1,310	1,420	1,060	1,100	1,210	3,860
10	1,090	975	917	952	990	a920	1,540	1,390	1,060	1,080	1,220	3,710
11	1,100	975	910	960	998	a940	1,780	1,370	1,060	1,080	1,220	3,530
12	1,120	968	910	990	1,000	a960	2,000	1,350	1,060	1,060	1,210	3,340
13	1,120	960	910	1,040	990	a990	2,170	1,310	1,070	1,050	1,230	3,170
14	1,130	960	910	1,100	990	a1,020	2,220	1,300	1,080	*1,050	1,290	3,010
15	1,130	952	*910	1,130	990	a1,030	2,280	1,270	1,080	1,040	1,360	2,860
16	1,130	945	910	1,140	968	1,040	2,400	1,260	1,090	1,040	1,410	2,720
17	1,120	945	917	1,140	975	1,050	2,480	1,240	1,120	1,040	1,420	2,610
18	1,110	945	917	1,140	975	1,050	2,450	1,220	1,150	1,030	1,440	2,490
19	1,120	945	917	1,140	990	1,050	2,430	1,210	1,160	1,030	1,460	2,400
20	1,120	960	917	1,130	998	1,050	2,380	1,200	1,150	1,020	1,530	2,360
21	1,080	931	924	1,120	990	1,050	*2,360	1,180	1,140	1,030	1,620	2,280
22	1,080	938	917	1,100	982	1,040	2,370	1,170	1,120	1,020	1,730	2,210
23	1,080	938	917	1,110	975	1,040	2,400	1,170	1,110	1,020	1,790	2,140
24	1,090	938	910	1,100	975	1,030	2,410	1,160	1,120	1,020	1,830	2,090
25	1,090	938	910	1,080	975	1,010	2,360	1,150	1,110	1,120	*1,900	2,070
26	1,090	938	910	*1,060	968	1,000	2,320	1,140	1,140	1,020	1,970	2,180
27	1,090	931	910	1,060	968	998	2,220	1,130	1,180	1,040	2,110	2,270
28	1,090	917	903	1,070	960	998	2,100	1,120	1,200	1,050	2,430	2,280
29	1,070	917	903	1,060	-	a990	2,010	1,100	1,220	1,080	2,760	2,400
30	1,060	917	903	1,040	-	982	1,930	1,100	1,240	1,150	3,230	2,660
31	1,080	-	910	1,040	-	a970	-	1,090	-	1,190	3,750	-
Total	34,390	28,893	28,329	31,873	27,787	30,673	55,775	40,960	33,190	33,710	50,720	92,820
Mean	1,109	963	914	1,028	992	989	1,859	1,321	1,106	1,087	1,636	3,094
Cfsm	1.03	0.892	0.846	0.952	0.919	0.916	1.72	1.22	1.02	1.01	1.51	2.86
In.	1.18	0.99	0.98	1.10	0.96	1.06	1.92	1.41	1.14	1.16	1.75	3.20

Calendar year 1952: Max 2,010 Min 903 Mean 1,104 Cfsm 1.02 In. 13.91
Water year 1952-53: Max 4,400 Min 896 Mean 1,340 Cfsm 1.24 In. 16.85

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Santa Fe River near High Springs.

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 1953 (discharge measurements only).
Gage.--Reference point. Observations of stage below reference point made only when discharge measurements are made.
Extremes.--1931-53: Maximum discharge measured, 578 cfs Apr. 29, 1948; minimum measured, 245 cfs Aug. 20, 1935.
Remarks.--Surface inflow between springs and measuring section is negligible except after heavy rains.

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

Nov. 3	331	Apr. 20	364
Dec. 16	327	June 2	357
Jan. 27	340	July 13	346
Mar. 10	336	Aug. 24	308

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 1953.

Gage.--Water-stage recorder. Datum of gage is 2.75 ft above mean sea level (Corps of Engineers benchmark).

Average discharge.--21 years, 8,969 cfs.

Extremes.--Maximum discharge during year, 14,500 cfs Sept. 30 (stage rising; peak, 20,700 cfs, occurred at 10 a.m. Oct. 12, 1953, gage height, 14.33 ft); minimum, 3,530 cfs Dec. 29, 30 (gage height, 2.19 ft).
1932-53: Maximum discharge, 82,300 cfs Apr. 13, 1948 (gage height, 27.43 ft); minimum, 2,790 cfs Dec. 17, 18, 1943 (gage height, 1.03 ft).

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

Revisions (water years).--WSP 822: 1928(M).

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.2	3,540
3.0	4,370
6.0	7,530
10.8	14,200

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	4,760	4,380	3,900	3,770	4,760	8,360	7,220	13,200	*6,190	5,200	7,890	11,800
2	4,820	4,380	3,940	3,660	4,830	8,570	7,110	12,900	6,160	5,160	7,980	12,200
3	4,790	4,360	4,020	3,760	4,950	8,700	6,960	12,500	5,990	5,090	7,940	12,600
4	4,680	*4,320	3,910	3,800	5,000	8,880	6,760	12,000	5,910	5,000	7,740	12,900
5	4,600	4,250	3,910	3,800	5,120	8,980	6,540	11,500	5,870	4,970	7,450	13,100
6	4,610	4,270	3,840	3,630	5,320	8,980	6,490	11,100	5,930	5,000	7,240	13,200
7	4,720	4,240	3,800	3,660	5,580	9,050	6,950	10,700	5,880	4,980	7,070	13,300
8	4,840	4,130	3,860	3,710	5,710	9,100	6,800	10,300	5,830	4,960	6,950	13,500
9	4,880	4,100	3,890	4,000	5,780	*9,010	7,070	9,990	5,800	4,960	6,830	13,600
10	4,780	4,150	3,930	3,990	6,030	8,910	7,610	9,740	5,720	5,030	6,820	13,600
11	4,750	4,190	3,950	3,830	6,300	8,910	8,180	9,490	5,670	5,030	6,880	13,600
12	4,780	4,110	3,740	3,760	6,550	8,830	8,860	9,260	5,670	5,010	6,830	13,700
13	4,810	4,020	3,810	3,780	6,670	8,650	9,490	9,040	5,680	5,080	6,880	13,700
14	4,840	4,030	3,810	3,920	6,690	8,520	9,900	8,840	5,680	*5,230	7,110	13,600
15	4,900	4,090	*3,730	4,030	6,930	8,440	10,500	8,580	5,650	5,280	7,340	13,600
16	4,900	4,070	3,700	4,070	6,940	8,380	11,200	8,350	5,610	5,240	7,480	13,500
17	4,840	4,060	3,730	4,070	a6,950	8,300	11,800	8,130	5,560	5,290	7,440	13,200
18	4,780	4,070	3,820	4,160	a6,950	8,230	12,300	a7,900	5,510	5,400	7,360	12,900
19	4,750	4,120	3,770	4,190	a6,950	8,210	12,800	a7,800	5,430	5,870	7,300	12,600
20	4,760	4,340	3,810	4,170	a7,000	8,080	13,200	a7,600	5,400	6,240	7,350	12,400
21	4,590	4,170	3,830	4,230	a7,000	8,030	*13,500	a7,400	5,390	6,370	7,640	12,000
22	4,420	4,030	3,720	4,240	a7,000	7,980	13,700	a7,300	5,370	6,560	8,090	11,700
23	4,460	3,990	3,690	4,310	a7,100	7,880	13,900	a7,100	5,360	6,780	8,600	11,300
24	4,470	3,950	3,690	4,540	a7,200	7,830	14,000	a7,000	5,360	6,950	9,040	11,000
25	4,460	3,970	3,670	4,450	a7,400	7,780	14,100	a6,900	5,320	7,020	*9,460	10,700
26	4,410	4,040	3,640	*4,320	a7,500	7,680	14,000	a6,750	5,360	7,080	9,870	10,900
27	4,380	4,030	3,590	4,460	a7,800	7,570	13,900	a6,650	5,350	7,210	10,200	11,400
28	4,420	3,900	3,570	4,620	8,160	7,510	13,700	a6,550	5,320	7,360	10,500	12,000
29	4,370	3,850	3,560	4,690	--	7,440	13,600	a6,400	5,280	7,490	10,900	12,900
30	4,280	3,930	3,600	4,610	-	7,380	13,400	a6,300	5,230	7,640	11,000	13,900
31	4,310	-	3,920	4,680	-	7,310	-	a6,250	-	7,770	11,400	-
Total	144,160	123,550	117,350	126,510	180,170	257,480	315,540	273,520	168,470	182,250	252,580	380,400
Mean	4,650	4,118	3,785	4,081	6,435	8,306	10,520	8,823	5,616	5,879	8,148	12,680
Cfsm	0.502	0.445	0.409	0.441	0.695	0.897	1.14	0.953	0.606	0.635	0.880	1.37
In.	0.58	0.50	0.47	0.51	0.72	1.03	1.27	1.10	0.68	0.73	1.01	1.53

Calendar year 1952: Max 15,800 Min 3,560 Mean 7,479 Cfsm 0.808 In. 10.99
Water year 1952-53: Max 14,100 Min 3,560 Mean 6,910 Cfsm 0.746 In. 10.13

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Suwannee River at Branford.

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 1953 (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 at site 9 miles downstream.

Extremes.--Maximum discharge during year, 13,900 cfs Apr. 26 (gage height, 7.14 ft); minimum daily, 4,030 cfs Jan. 4.
1930-31, 1942-53: Maximum discharge, 84,700 cfs Apr. 14, 1948 (gage height, 22.32 ft); minimum not determined.

Remarks.--Records good. Flow affected by tide for discharges less than 12,000 cfs.

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	5,230	5,150	4,720	4,690	5,330	9,010	7,990	13,400	6,560	5,750	8,720	11,900
2	5,400	5,220	4,780	4,420	5,300	9,050	7,920	13,100	6,740	5,640	8,910	12,000
3	5,530	5,250	5,330	4,800	5,590	9,260	7,890	12,700	6,460	5,540	8,850	12,400
4	5,310	5,260	4,760	4,030	5,500	9,270	7,650	12,200	6,380	5,580	8,700	12,700
5	5,210	4,940	4,880	4,230	5,560	10,100	7,420	11,800	*6,130	5,480	8,500	12,900
6	5,210	5,040	4,570	4,240	5,780	9,900	6,920	11,600	6,560	5,520	8,150	13,200
7	5,470	*5,120	4,360	4,280	6,110	9,920	7,950	11,500	6,720	5,440	7,940	13,300
8	5,480	4,740	4,540	4,300	6,460	10,000	7,810	11,300	6,470	5,400	7,680	13,300
9	5,820	4,640	4,610	4,780	6,030	10,100	7,830	10,900	6,480	5,410	7,490	13,200
10	5,610	4,740	4,650	4,780	6,420	9,760	8,250	10,600	6,180	5,490	7,610	13,200
11	5,250	4,950	5,190	4,350	6,870	9,800	8,780	10,300	6,200	5,410	7,580	13,200
12	5,280	4,790	4,180	4,060	7,110	10,000	8,630	9,870	6,250	5,570	7,690	13,300
13	5,300	4,560	4,640	4,140	7,610	*9,610	9,680	9,570	5,960	5,360	7,680	13,500
14	5,300	4,620	4,660	4,600	7,410	9,320	10,700	9,380	6,270	5,600	7,730	13,500
15	5,490	5,030	4,510	4,730	7,320	9,170	10,600	9,300	6,120	5,790	8,150	13,500
16	5,610	5,000	4,450	4,750	7,880	9,170	11,000	9,070	6,250	5,810	8,350	13,400
17	5,580	4,900	4,490	4,710	7,830	9,200	11,800	9,040	6,230	5,930	8,320	13,200
18	5,460	4,840	4,710	4,800	7,950	9,180	11,700	8,810	6,130	*5,810	8,290	13,000
19	5,410	4,750	*4,600	4,880	7,850	9,220	12,300	8,690	5,920	6,360	8,200	12,900
20	5,520	5,280	4,510	4,700	7,980	9,060	12,400	8,490	5,860	6,800	8,200	12,900
21	4,940	5,350	4,750	4,870	8,350	8,930	12,500	8,290	5,850	6,900	8,340	12,800
22	4,380	4,700	4,530	4,810	8,380	9,060	12,700	8,060	5,790	7,120	8,790	12,300
23	4,930	4,680	4,490	4,780	8,120	8,930	13,000	7,910	5,920	7,060	8,970	11,800
24	5,010	4,530	4,450	5,300	8,090	8,810	*13,400	7,750	5,960	7,640	9,490	11,800
25	4,980	4,490	4,450	5,150	8,420	8,830	13,600	7,630	5,750	7,670	9,750	11,400
26	4,920	4,770	4,400	4,520	8,580	8,750	13,800	7,370	5,860	7,690	10,100	12,400
27	4,910	4,900	4,390	4,880	8,840	8,600	13,700	7,270	5,780	7,660	10,400	13,600
28	5,130	4,460	4,340	5,080	9,050	8,620	13,400	7,160	5,780	8,000	*10,800	13,000
29	5,140	4,440	4,210	5,410	-	8,480	13,300	7,050	5,720	8,220	11,200	12,800
30	4,720	4,800	4,300	*4,380	-	8,290	13,400	6,870	5,680	8,270	11,500	13,400
31	4,890	-	4,830	5,060	-	8,180	-	6,750	-	8,500	11,700	-
Total	162,420	145,940	142,280	144,510	201,720	285,580	318,020	293,730	183,960	198,420	273,780	385,800
Mean	5,239	4,865	4,590	4,662	7,204	9,212	10,600	9,475	6,132	6,401	8,832	12,860
Cfsm	0.551	0.512	0.483	0.491	0.758	0.970	1.12	0.997	0.645	0.674	0.930	1.35
In.	0.64	0.57	0.56	0.57	0.79	1.12	1.24	1.15	0.72	0.78	1.07	1.51

Calendar year 1952: Max 16,500 Min 4,180 Mean 8,154 Cfsm 0.858 In. 11.69
Water year 1952-53: Max 13,800 Min 4,030 Mean 7,496 Cfsm 0.789 In. 10.72

* Discharge measurement made on this day.

Steinhatchee River near Cross City, Fla.

Location.--Lat 29°47', long. 83°19', in sec. 15, T. 8 S., R. 10 E., on right bank 0.7 mile downstream from Atlantic Coast Line Railroad bridge, 1 mile south of Clara, and 16 miles northwest of Cross City.

Drainage area.--360 sq mi, approximately.

Records available.--February 1950 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 7.84 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 3,740 cfs Sept. 30 (gage height, 15.39 ft); minimum, 8.3 cfs June 3, 4 (gage height, 2.64 ft).
1950-53: Maximum discharge, that of Sept. 30, 1953; minimum, 3.4 cfs June 27, 28, 1950 (gage height, 2.44 ft).

Remarks.--Records good.

Revisions (water years).--WSP 1234: 1950.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 15		May 16 to Sept. 30			
2.6	15	2.6	7.2	13.0	1,780
2.8	32	2.7	16	14.0	2,250
3.0	52	3.0	52	15.0	3,190
Note.--Same as following table above 3.0 ft.		4.0	181	15.4	3,760
		10.0	1,150		

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	636	69	24	27	113	66	34	325	9.7	215	365	1,130
2	588	63	23	27	125	64	32	290	9.0	209	320	1,110
3	518	56	23	27	180	60	38	256	8.3	193	278	1,380
4	446	50	21	26	181	57	50	222	*8.3	181	245	1,410
5	388	45	22	25	175	56	50	192	10	168	245	1,520
6	340	*42	25	24	162	52	62	166	22	276	286	1,930
7	350	40	25	23	162	50	707	174	52	306	288	2,500
8	555	36	25	32	184	47	858	166	121	285	360	2,500
9	745	34	25	190	166	44	897	156	308	278	360	*2,190
10	702	32	24	238	155	42	794	148	506	356	325	1,800
11	646	30	26	264	142	43	681	125	554	374	299	1,480
12	575	32	27	244	134	*49	792	105	475	322	316	1,200
13	500	30	27	214	125	50	1,360	89	422	284	340	969
14	426	30	26	187	114	50	1,430	75	372	266	324	807
15	383	30	25	169	115	48	1,510	64	423	302	307	690
16	342	29	24	155	111	48	1,500	54	382	299	331	626
17	306	27	23	144	105	45	1,480	48	347	*422	331	606
18	274	26	*22	139	99	42	1,210	42	285	790	364	500
19	244	26	22	141	91	42	1,060	38	227	932	405	457
20	230	32	21	137	90	38	937	34	176	885	607	560
21	216	36	23	134	91	44	807	33	141	842	712	774
22	198	36	24	126	89	66	716	30	113	813	744	863
23	188	34	24	126	89	97	*620	24	94	794	845	853
24	174	32	24	155	85	88	538	22	118	784	950	818
25	155	32	24	149	84	74	469	20	119	748	1,050	914
26	138	30	24	145	80	63	512	17	108	707	1,180	1,360
27	124	29	23	138	77	56	498	15	155	662	*1,210	2,280
28	111	27	22	130	71	51	446	13	207	610	1,200	3,070
29	96	26	21	*134	-	46	399	12	238	561	1,250	3,600
30	84	25	21	124	-	42	358	11	239	486	1,250	3,680
31	76	-	25	118	-	38	-	10	-	420	1,210	-
Total	10,754	1,066	735	3,912	3,395	1,658	20,845	2,976	6,249.3	14,770	18,297	43,577
Mean	347	35.5	23.7	126	121	53.5	695	96.0	208	476	590	1,453
Cfsm	0.964	0.099	0.066	0.350	0.336	0.149	1.93	0.267	0.578	1.32	1.64	4.04
In.	1.11	0.11	0.08	0.40	0.35	0.17	2.15	0.31	0.65	1.53	1.89	4.50

Calendar year 1952: Max 1,600 Min 11 Mean 221 Cfsm 0.614 In. 8.34
Water year 1952-53: Max 3,680 Min 8.3 Mean 351 Cfsm 0.975 In. 13.25

* Discharge measurement made on this day.

Fenholloway River at Foley, Fla.

Location.--Lat 30°04', long. 83°32', in sec. 9, T. 5 S., R. 8 E., on right bank at upstream side of highway bridge at Foley.
Drainage area.--180 sq mi, approximately.
Records available.--September 1946 to September 1953.
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 at same site and datum.
Average discharge.--7 years, 96.6 cfs.
Extremes.--Maximum discharge during year, 1,860 cfs Sept. 28 (gage height, 15.32 ft); minimum, 10 cfs Dec. 16 (gage height, 6.72 ft).
1946-53: 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 fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to Jan. 7		Jan. 8 to Sept. 30			
6.7	9.9	6.7	9.9	12.0	317
7.0	16	7.0	17	13.0	514
7.5	29	8.0	49	14.0	880
8.0	45	10.0	137	15.0	1,550
9.0	83	11.0	209	15.3	1,840
9.5	103				

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	100	14	14	12	15	41	25	165	*12	175	176	527
2	82	14	14	11	19	39	23	147	11	141	151	420
3	69	13	14	12	37	41	23	130	11	110	130	353
4	57	13	14	12	51	43	23	114	a16	86	a111	311
5	48	13	14	11	52	33	22	97	a20	70	a94	294
6	43	13	14	11	43	34	37	85	a28	80	a79	329
7	50	*13	14	11	52	38	332	75	a39	194	a70	346
8	66	14	14	11	102	27	626	72	94	230	a76	381
9	82	13	14	15	112	22	636	68	299	275	a84	329
10	78	14	13	17	97	22	556	60	467	295	90	264
11	68	15	14	18	85	28	477	52	517	295	97	223
12	57	16	13	17	76	34	475	46	463	250	186	193
13	51	17	13	16	66	*38	768	41	402	198	342	166
14	45	15	13	16	55	36	880	37	356	155	323	150
15	42	15	12	15	52	34	784	34	298	127	236	139
16	40	14	11	15	57	30	680	31	253	120	178	126
17	37	14	12	15	55	28	712	28	214	260	151	116
18	33	14	11	15	50	27	687	26	178	260	133	104
19	30	14	*11	22	46	38	623	23	149	224	164	96
20	28	a22	12	18	43	37	*587	23	126	*226	203	118
21	26	a22	12	14	42	50	527	23	107	241	345	141
22	24	a20	13	13	43	81	443	23	98	274	664	142
23	22	a20	13	15	48	83	363	21	87	276	966	134
24	20	a19	12	18	53	80	303	20	76	267	827	125
25	20	a18	12	20	51	71	262	18	61	277	640	124
26	17	a17	12	*20	48	62	264	17	83	285	537	362
27	17	a16	12	17	46	55	270	16	208	278	*530	1,300
28	16	a15	12	17	44	46	248	15	302	253	517	1,780
29	15	15	12	16	-	35	222	13	309	247	567	*1,360
30	15	14	12	15	-	29	185	13	238	240	708	1,050
31	15	-	13	15	-	27	-	12	-	205	657	-
Total	1,313	466	396	470	1,540	1,289	12,043	1,545	5,522	6,614	10,032	11,502
Mean	42.4	15.5	12.8	15.2	55.0	41.6	401	49.8	184	213	324	383
Cfsm	0.236	0.086	0.071	0.084	0.306	0.231	2.23	0.277	1.02	1.18	1.80	2.13
In.	0.27	0.10	0.08	0.10	0.32	0.27	2.49	0.32	1.14	1.37	2.07	2.38

Calendar year 1952: Max 708 Min 9.2 Mean 63.0 Cfsm 0.350 In. 4.77
Water year 1952-53: Max 1,780 Min 11 Mean 144 Cfsm 0.800 In. 10.91

Peak discharge (base, 400 cfs).--Apr. 8 (11:30 p.m.) 629 cfs (13.41 ft); Apr. 14 (2 a.m.) 900 cfs (14.04 ft); June 11 (7 a.m.) 524 cfs (13.04 ft); Aug. 23 (4 a.m.) 984 cfs (14.19 ft); Aug. 30 (6 p.m.) 733 cfs (13.68 ft); Sept. 28 (6 a.m.) 1,860 cfs (15.32 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 stream.

Fenholloway River near Perry, Fla.

Location.--Lat 30°04', long. 83°40', in sec. 6, T. 5 S., R. 7 E., on left bank 4 ft upstream from highway bridge, 0.6 mile south of Hampton Springs Hotel, and 6 miles southwest of Perry.
Drainage area.--210 sq mi, approximately.
Records available.--August 1946 to September 1953 (discharge measurements only).
Gage.--Staff gage read only when discharge measurements are made. Datum of gage is 5.00 ft above mean sea level (unadjusted). Prior to Aug. 11, 1952, reference points at same site at various datums.
Extremes.--1946-53: Maximum discharge measured, 1,260 cfs Mar. 12, 1948; minimum measured, 36.8 cfs Feb. 16, 1951.

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

Nov. 6.....	84.3	Mar. 9.....	81.8	July 20.....	309
Dec. 15.....	67.5	Apr. 20.....	713	Aug. 27.....	666
Jan. 26.....	69.2	June 2.....	81.3	Sept.30.....	955

Rocky Creek near Perry, Fla.

Location.--Lat 30°05', long. 83°40', in sec. 6, T. 5 S., R. 7 E., on left bank 3 ft downstream from highway bridge at Hampton Springs Hotel, and 5½ miles southwest of Perry.
Drainage area.--160 sq mi, approximately.
Records available.--August 1946 to September 1953 (discharge measurements only).
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.--1946-53: Maximum discharge measured, 1,920 cfs Mar. 11, 1948; minimum measured, 25.6 cfs Feb. 16, 1951.

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

Nov. 7..... 67.3	Mar. 9..... 86.0	July 20..... 190
Dec. 15..... 42.2	Apr. 20..... 678	Aug. 27..... 638
Jan. 26..... 41.7	June 2..... 89.6	Sept.30..... 985

ECONFINA RIVER BASIN

Econfina River near Perry, Fla.

Location.--Lat 30°10', long. 83°49', in sec. 4, T. 4 S., R. 5 E., on right bank 10 ft downstream from highway bridge and 14.7 miles northwest of Perry.
Drainage area.--230 sq mi, approximately.
Records available.--February 1950 to September 1953.
Gage.--Water-stage recorder. Datum of gage is 14.35 ft above mean sea level (unadjusted).
Extremes.--Maximum discharge during year, 758 cfs Apr. 17 (gage height, 10.75 ft); minimum, 26 cfs Dec. 19-21; minimum gage height, 2.66 ft Dec. 20.
1950-53: Maximum discharge, that of Apr. 17, 1953; minimum, 16 cfs June 30 to July 5, Oct. 7, 8, 1950; minimum gage height, 2.31 ft Oct. 7, 8, 1950.
Remarks.--Records good. Records are for flow in main channel only.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.6	25	8.0	354
3.0	36	10.0	575
4.0	77	10.8	772
6.0	196		

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	258	36	28	28	35	122	58	315	*31	228	102	539
2	221	35	28	29	38	118	54	286	30	229	94	529
3	190	35	28	30	54	113	51	258	29	204	85	515
4	160	33	28	30	59	108	48	227	29	172	76	502
5	139	33	28	29	62	102	46	200	29	147	69	498
6	122	33	28	29	62	96	49	175	32	129	64	458
7	109	*32	28	28	115	90	158	163	47	118	60	413
8	103	32	28	28	146	84	194	155	287	112	56	362
9	106	32	28	29	164	*80	200	147	515	118	57	317
10	99	32	28	31	198	74	211	137	670	142	58	282
11	94	32	27	33	220	72	223	124	732	148	58	251
12	88	32	27	35	223	75	299	110	721	146	60	223
13	82	32	27	35	226	74	489	98	675	147	60	200
14	76	32	27	34	226	73	587	88	634	150	56	176
15	72	32	*27	32	223	71	645	80	616	*151	54	159
16	71	32	27	32	217	71	735	72	618	143	56	147
17	67	31	27	31	204	67	755	66	620	140	69	131
18	64	31	27	31	190	63	737	60	579	135	72	119
19	61	30	26	31	175	61	710	56	529	128	82	110
20	58	31	26	31	161	58	*691	53	482	128	96	106
21	54	31	26	32	153	66	660	52	436	134	161	102
22	52	31	27	31	144	86	618	48	378	140	343	97
23	50	31	28	32	141	98	571	45	323	139	458	90
24	48	30	28	34	137	108	527	43	284	145	531	84
25	45	30	28	38	134	102	491	41	247	153	593	80
26	43	29	28	*41	131	92	486	38	223	152	612	191
27	41	29	28	41	130	84	470	37	236	154	*608	365
28	40	29	27	39	126	76	437	35	253	148	591	436
29	38	29	27	38	-	71	391	33	250	135	575	504
30	37	29	27	36	-	66	348	33	237	123	557	*570
31	37	-	28	36	-	61	-	32	-	112	548	-
Total	2,725	946	850	1,014	4,094	2,582	11,939	3,307	10,772	4,548	6,961	8,556
Mean	87.9	31.5	27.4	32.7	146	83.3	398	107	359	147	225	285
Cfsm	0.382	0.137	0.119	0.142	0.635	0.362	1.73	0.465	1.56	0.639	0.978	1.24
In.	0.44	0.15	0.14	0.16	0.66	0.42	1.93	0.53	1.74	0.74	1.13	1.38

Calendar year 1952: Max 536 Min 22 Mean 114 Cfsm 0.496 In. 6.78
Water year 1952-53: Max 758 Min 26 Mean 160 Cfsm 0.696 In. 9.42

* Discharge measurement made on this day.

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 1953.

Gage.--Water-stage recorder. Datum of gage is 42.90 ft above mean sea level, unadjusted.

Extremes.--Maximum discharge during year, 1,640 cfs Apr. 16 (gage height, 10.64 ft); minimum, 12 cfs Nov. 3-11; minimum gage height, 1.91 ft Nov. 5-10.
1950-53: Maximum discharge, that of Apr. 16, 1953; minimum, 9.2 cfs Oct. 13-15, 20, 1951 (gage height, 1.80 ft).

Remarks.--Records good.

Revisions.--WSP 1204: Drainage area.

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	149	13	14	17	28	178	72	626	27	280	170	517
2	119	13	14	16	29	171	68	581	*24	257	154	a439
3	97	13	14	16	33	162	63	530	21	229	136	a389
4	80	12	14	15	33	150	58	481	19	197	121	a517
5	68	12	14	15	31	137	54	432	19	175	122	a669
6	59	*12	14	14	30	125	82	389	29	178	105	a590
7	53	12	14	14	64	120	115	355	59	163	95	a490
8	50	12	14	14	106	132	173	318	133	159	90	418
9	54	12	14	16	133	151	318	288	288	153	91	408
10	52	12	16	19	132	157	434	258	371	157	88	360
11	47	13	23	20	120	172	536	229	390	145	145	329
12	42	14	21	18	108	182	722	201	441	129	138	302
13	38	14	18	17	99	*179	1,220	176	598	111	113	280
14	33	14	17	16	91	170	1,510	158	692	101	107	254
15	32	13	16	15	112	161	1,600	141	774	94	112	235
16	30	13	15	15	121	152	1,630	125	794	*91	141	219
17	29	13	15	15	119	141	1,530	112	797	129	184	202
18	26	13	14	16	110	129	1,410	100	774	144	224	184
19	23	13	*14	24	101	119	1,320	90	734	161	245	171
20	22	19	15	26	96	109	1,220	84	650	192	286	164
21	19	20	17	24	93	128	1,130	82	558	245	438	162
22	17	18	17	22	110	147	1,060	75	481	265	437	157
23	16	17	17	22	162	145	986	68	422	251	416	151
24	16	15	16	33	172	139	*904	62	374	237	422	150
25	15	15	15	38	177	131	836	57	336	223	607	152
26	14	14	15	37	183	120	859	52	311	207	*787	340
27	14	14	15	*34	187	112	833	47	310	196	711	618
28	14	14	14	33	184	103	774	42	364	189	639	764
29	13	14	14	33	-	93	720	37	334	182	990	*836
30	13	14	15	32	-	86	672	34	302	186	797	948
31	13	-	16	30	-	79	-	30	-	180	620	-
Total	1,267	417	481	676	2,964	4,280	22,909	6,260	11,426	5,606	9,731	11,415
Mean	40.9	13.9	15.5	21.8	106	138	764	202	381	181	314	380
Cfsm	0.060	0.020	0.023	0.032	0.156	0.203	1.12	0.297	0.560	0.266	0.462	0.559
In.	0.07	0.02	0.03	0.04	0.16	0.23	1.25	0.34	0.62	0.31	0.53	0.62

Calendar year 1952: Max 1,040 Min 11 Mean 208 Cfsm 0.306 In. 4.16
Water year 1952-53: Max 1,630 Min 12 Mean 212 Cfsm 0.312 In. 4.22

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of recorded range in stage.

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 measurement in each year), February 1931 to June 1932, July 1941 to September 1953 (discharge measurements only).
Gage.--Staff gage read only when discharge measurements are made. Prior to July 17, 1931, reference point and July 17, 1931, to July 27, 1932, water-stage recorder at same site and datum.
Extremes.--1931-32, 1941-53: 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 two 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 1952 to September 1953

Date	Wakulla River	McBrides Slough and other surface inflow	Difference or spring flow
Nov. 6	407	**3.0	404
Dec. 18	461	**5.0	456
Jan. 27	278	**2.7	275
Mar. 12	566	15.0	551
Apr. 23	698	**9.0	689
June 4	290	**.1	290
July 16	517	**3.0	514
Aug. 26	594	**10	584
Sept.29	621	25.0	596

** Field estimate.

OCHLOCKONEE RIVER BASIN

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 Barnetts 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 1953.
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.--16 years, 470 cfs.
Extremes.--Maximum discharge during year, 5,140 cfs Apr. 14 (gage height, 15.6 ft); minimum, 15 cfs Nov. 10, 11.
1937-53: 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).

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	119	20	25	80	368	1,480	140	340	22	*140	383	383
2	99	19	25	95	398	1,320	127	326	21	605	333	320
3	83	18	31	99	714	1,110	119	306	20	862	256	280
4	70	17	*32	92	786	900	107	262	19	900	194	262
5	63	17	35	81	750	786	95	216	19	881	*150	625
6	55	17	38	74	642	714	150	189	27	608	119	1,250
7	52	17	38	67	714	642	*1,430	200	25	475	107	1,510
8	50	17	38	63	920	574	2,210	238	33	574	95	1,680
9	53	16	39	84	1,000	523	2,540	280	84	678	92	1,590
10	52	15	40	174	1,000	475	2,490	294	119	1,090	288	1,130
11	48	20	63	313	920	459	2,130	227	184	1,480	696	642
12	47	32	63	354	805	540	1,940	184	280	1,560	960	383
13	44	25	55	326	678	608	3,080	154	256	1,220	1,040	244
14	42	25	49	274	591	608	4,820	136	194	940	824	189
15	49	25	43	200	786	574	4,540	119	140	862	459	*150
16	63	24	39	164	1,130	557	3,420	99	274	678	280	132
17	56	23	37	145	1,200	523	2,440	82	491	557	222	115
18	49	23	36	136	1,200	475	1,800	69	574	714	200	103
19	44	23	35	*169	1,130	413	1,370	60	475	1,000	274	103
20	39	28	38	210	980	354	1,020	*57	300	1,250	491	359
21	35	29	66	244	881	313	768	52	227	1,300	678	574
22	33	31	80	238	1,060	300	608	47	179	1,220	696	507
23	31	33	81	227	1,430	306	475	42	123	1,000	507	354
24	29	34	75	507	1,540	326	383	38	145	824	507	238
25	27	33	69	608	1,560	326	340	34	86	843	696	179
26	26	31	65	660	*1,510	294	507	33	87	1,180	805	551
27	*24	30	67	660	1,480	262	625	31	119	1,620	824	1,870
28	23	28	64	574	1,510	227	591	30	136	1,650	900	3,080
29	22	27	61	475	-	194	507	27	174	1,180	980	3,240
30	21	26	60	398	-	174	368	26	189	750	750	2,600
31	20	-	66	383	-	154	-	24	-	491	523	-
Total	1,468	723	1,553	8,174	27,683	16,511	41,140	4,222	5,022	29,132	15,329	24,643
Mean	47.4	24.1	50.1	264	989	533	1,371	136	167	940	494	821
Cfsm	0.086	0.044	0.091	0.480	1.80	0.969	2.49	0.247	0.304	1.71	0.898	1.49
In.	0.10	0.05	0.10	0.55	1.87	1.12	2.78	0.28	0.34	1.97	1.04	1.66

Calendar year 1952: Max 3,000 Min 14 Mean 406 Cfsm 0.738 In. 10.06
Water year 1952-53: Max 4,820 Min 15 Mean 481 Cfsm 0.875 In. 11.86

* 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 1953.

Gage.--Water-stage recorder. Datum of gage is 159.0 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--10 years, 70.9 cfs.

Extremes.--Maximum discharge during year, 1,940 cfs Apr. 7 (gage height, 7.53 ft); minimum, 3.3 cfs June 3.
1943-53: 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, 1.2 cfs June 27, 1944.

Remarks.--Records good.

Revisions (water years).--WSP 1052: 1944.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 21)

0.4	2.9	4.0	101
.7	5.9	5.0	195
1.0	9.7	5.5	285
1.5	18	6.0	450
2.0	30	6.5	800
3.0	58	7.1	1,390

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	14	9.3	14	39	36	104	21	55	4.0	*20	7.2	21
2	12	9.3	16	28	86	74	22	49	3.6	14	9.1	19
3	12	9.0	30	26	195	66	*22	39	3.4	12	6.7	15
4	9.8	8.6	*26	23	138	61	19	32	3.5	24	*5.4	13
5	9.3	8.3	21	21	80	61	17	26	4.0	19	5.1	14
6	9.1	8.6	23	20	55	55	158	32	6.3	16	6.5	20
7	9.4	9.3	21	19	162	49	*1,320	64	12	17	17	20
8	11	9.1	19	19	210	46	405	48	27	35	66	12
9	21	9.3	18	49	125	42	176	31	24	24	60	9.1
10	17	9.6	19	110	74	39	95	24	17	31	66	7.6
11	14	12	34	92	57	55	121	21	27	28	27	6.9
12	12	21	24	54	54	101	499	18	18	15	32	6.1
13	12	18	20	35	50	74	1,080	15	11	9.7	22	5.7
14	12	15	19	30	49	54	290	14	11	16	13	5.5
15	30	14	18	28	272	57	153	13	22	28	9.8	*5.5
16	26	13	18	*27	334	92	129	13	26	23	10	6.3
17	18	12	18	26	176	60	95	12	40	28	24	6.9
18	14	12	17	28	88	44	72	12	22	20	32	6.1
19	12	*12	17	58	64	40	70	*11	13	16	32	6.6
20	12	24	21	46	60	36	61	11	10	17	34	52
21	10	29	28	39	68	35	52	12	11	27	28	84
22	8.7	20	24	32	168	39	48	11	9.3	48	18	31
23	9.0	16	21	113	195	38	43	9.7	7.7	32	19	17
24	*9.4	15	21	358	125	40	40	8.6	6.6	24	22	13
25	9.3	14	22	236	134	35	43	7.7	6.0	16	16	14
26	8.7	14	28	99	*158	29	115	6.9	6.4	11	12	114
27	8.3	15	27	55	218	27	107	5.8	13	9.3	13	382
28	8.3	15	23	48	188	27	60	5.0	19	9.7	59	188
29	7.8	14	20	44	-	26	40	4.5	19	12	143	76
30	7.5	13	21	39	-	24	39	4.3	35	8.4	64	43
31	8.3	-	35	36	-	22	-	4.1	-	6.7	28	-
Total	381.9	408.4	683	1,877	3,619	1,552	5,412	619.6	437.8	616.8	906.8	1,220.3
Mean	12.3	13.6	22.0	60.5	129	50.1	180	20.0	14.6	19.9	29.3	40.7
Cfsm	0.224	0.247	0.400	1.10	2.35	0.911	3.27	0.364	0.265	0.362	0.533	0.740
In.	0.26	0.28	0.46	1.27	2.45	1.05	3.65	0.42	0.30	0.42	0.61	0.83

Calendar year 1952: Max 497 Min 2.9 Mean 48.8 Cfsm 0.887 In. 12.09
Water year 1952-53: Max 1,320 Min 3.4 Mean 48.6 Cfsm 0.884 In. 12.00

Peak discharge (base, 1,800 cfs).--Apr. 7 (6 a.m.) 1,940 cfs (7.53 ft).
* Discharge measurement made on this day.

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 1953.

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.--25 years, 972 cfs.

Extremes.--Maximum discharge during year, 5,920 cfs Apr. 18 (gage height, 26.35 ft); minimum, 78 cfs Nov. 9, 10 (gage height, 11.83 ft).

1928-53: Maximum discharge observed, 55,900 cfs Apr. 4, 1948 (gage height, 35.08 ft); minimum observed, 24 cfs Nov. 14, 15, 17, 1933; minimum gage height observed, 11.15 ft Nov. 5-7, 1943.

Maximum stage known, that of Apr. 4, 1948.

Remarks.--Records good.

Revisions (water years).--WSP 822: 1929(M).

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

11.8	74	19.0	1,520
12.0	102	23.0	2,740
13.0	245	25.0	4,210
15.0	595	26.3	5,840

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	665	96	110	212	755	2,320	396	1,030	105	485	1,420	1,280
2	519	94	106	238	736	2,330	367	894	*98	460	1,000	1,010
3	424	*92	110	260	914	2,310	343	826	91	696	665	698
4	368	92	127	252	1,110	2,260	319	767	85	971	543	543
5	324	88	165	244	1,270	2,160	296	698	80	993	449	464
6	282	85	171	233	1,360	1,970	360	643	89	1,060	375	443
7	254	82	161	216	1,420	1,710	877	649	92	1,150	322	603
8	233	80	159	203	1,490	1,460	1,310	619	109	1,130	281	879
9	220	78	155	227	1,520	1,260	1,730	631	137	1,000	272	1,090
10	209	78	148	322	1,570	1,110	2,160	603	227	960	354	1,250
11	214	80	144	426	1,610	1,020	2,560	569	275	1,040	402	1,380
12	214	95	141	515	1,610	*987	3,090	541	406	1,210	635	1,410
13	203	115	161	595	1,540	1,000	3,970	479	421	1,340	730	1,200
14	193	147	180	619	1,420	1,050	4,240	423	416	*1,430	864	751
15	206	144	172	575	1,330	1,080	4,660	380	458	1,480	974	487
16	215	130	161	491	1,360	1,130	5,300	346	368	1,440	956	377
17	248	123	151	421	1,550	1,110	5,740	316	352	1,290	732	317
18	242	116	*143	380	1,730	1,080	5,840	290	382	1,160	527	284
19	218	110	136	373	1,860	1,020	5,360	264	503	1,070	471	257
20	194	120	133	431	1,920	912	4,570	242	569	998	430	238
21	178	120	168	479	1,910	815	3,730	236	619	1,110	509	222
22	162	136	194	479	1,900	746	*3,020	218	491	1,310	593	282
23	152	151	239	515	1,940	696	2,370	203	382	1,490	755	511
24	141	148	228	770	1,920	671	1,810	189	352	1,620	802	547
25	133	140	216	921	2,030	647	1,330	178	311	1,680	751	467
26	124	133	212	1,110	2,140	629	1,190	165	290	1,570	*633	456
27	119	127	215	1,260	2,220	603	1,160	152	306	1,350	686	*675
28	113	122	230	*1,300	2,280	559	1,210	140	287	1,210	784	1,020
29	108	117	232	1,210	-	513	1,220	130	424	1,290	886	1,380
30	103	115	218	1,060	-	471	1,150	119	442	1,420	1,080	1,660
31	99	-	209	877	-	431	-	113	-	1,530	1,260	-
Total	7,075	3,354	5,295	17,214	44,415	36,060	71,678	13,053	9,167	36,943	21,141	22,181
Mean	228	112	171	555	1,586	1,163	2,389	421	306	1,192	682	739
Cfsm	0.224	0.110	0.168	0.544	1.55	1.14	2.34	0.413	0.300	1.17	0.669	0.725
In.	0.26	0.12	0.19	0.63	1.62	1.31	2.61	0.48	0.33	1.35	0.77	0.81

Calendar year 1952: Max 4,570 Min 65 Mean 813 Cfsm 0.797 In. 10.85
Water year 1952-53: Max 5,840 Min 78 Mean 788 Cfsm 0.773 In. 10.48

* 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 Attapulgus Creeks, and 4½ miles east of Quincy.

Drainage area.--250 sq mi, approximately.

Records available.--April 1950 to September 1953.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year, 2,340 cfs Apr. 14 (gage height, 12.07 ft); minimum, 24 cfs June 5.
1950-53: Maximum discharge, 3,480 cfs Sept. 1, 1950 (gage height, 13.69 ft); minimum, 24 cfs Oct. 10, 1951, June 5, 1953.

Remarks.--Records fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 5 to Sept. 10)

1.4	24	9.0	858
2.0	50	10.0	1,180
2.5	76	10.7	1,500
4.0	198	11.9	2,220
7.0	516		

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	84	54	70	215	146	449	85	184	29	401	83	83
2	77	55	70	205	226	343	82	181	29	292	80	71
3	71	54	86	165	472	291	81	163	27	225	71	64
4	65	53	102	138	489	254	78	140	26	138	66	61
5	63	*52	111	117	426	252	72	121	*26	123	62	75
6	60	52	109	105	327	233	139	175	38	163	57	89
7	60	53	102	99	393	209	628	314	72	199	53	71
8	60	52	92	97	473	191	856	293	99	265	86	60
9	67	52	86	226	440	176	1,460	236	86	417	136	51
10	71	53	82	380	344	163	997	176	140	429	117	46
11	72	59	80	408	274	*187	594	121	355	316	233	42
12	69	117	79	366	225	252	611	96	408	213	187	39
13	66	117	82	261	200	268	1,380	82	491	160	104	38
14	65	95	82	200	184	237	2,200	74	265	*117	89	38
15	133	82	78	156	397	233	1,520	69	195	147	77	37
16	185	74	74	139	569	324	900	66	233	217	64	38
17	158	71	*75	129	*683	313	545	63	287	295	63	41
18	105	69	75	133	640	253	396	61	289	354	91	49
19	81	69	75	202	437	201	321	57	156	298	192	40
20	75	89	84	a230	298	165	290	56	202	176	311	62
21	67	97	200	a190	254	157	*246	61	294	261	398	265
22	59	98	187	a150	369	176	207	60	184	350	231	640
23	58	91	142	a220	506	165	183	58	119	366	167	458
24	58	80	113	a340	519	179	166	58	89	342	151	218
25	58	72	113	a400	482	166	166	53	75	277	*129	117
26	56	72	151	a460	470	137	361	46	72	240	105	323
27	54	74	192	a400	503	117	417	41	104	202	99	829
28	53	75	185	a240	515	108	373	37	163	143	103	*1,830
29	51	72	140	*187	-	102	266	34	254	113	170	1,240
30	49	71	121	165	-	96	202	32	355	101	169	653
31	50	-	166	151	-	90	-	30	-	88	109	-
Total	2,300	2,174	3,404	6,874	11,261	6,487	15,822	3,238	5,162	7,428	4,053	7,668
Mean	74.2	72.5	110	222	402	209	527	104	172	240	131	256
Cfsm	0.297	0.290	0.440	0.888	1.61	0.836	2.11	0.416	0.688	0.960	0.524	1.02
In.	0.34	0.32	0.51	1.02	1.67	0.96	2.35	0.48	0.77	1.10	0.60	1.14

Calendar year 1952: Max 1,460 Min 43 Mean 219 Cfsm 0.876 In. 11.91
Water year 1952-53: Max 2,200 Min 26 Mean 208 Cfsm 0.832 In. 11.26

Peak discharge (base, 1,500 cfs).--Apr. 9 (12 m.) 1,640 cfs (10.96 ft); Apr. 14 (6 a.m.) 2,340 cfs (12.07 ft); Sept. 28 (5 a.m.) 2,000 cfs (11.56 ft).

* Discharge measurement made on this day.

a No gage-height record; discharge estimated on basis of records for Telogia Creek near Bristol and recorded range in stage.

Ochlockonee River near Bloxham, Fla.

Location.--Lat 30°23'00", long. 84°39'15", in NE¼ sec. 20, T. 1 S., R. 4 W., on downstream side of left pier 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 1953.

Gage.--Water-stage recorder. Datum of gage is 29.69 ft above mean sea level, datum of 1929. Prior to Apr. 9, 1930, staff gage at site 2,700 ft upstream at same datum. Apr. 9, 1930, to Jan. 19, 1939, water-stage recorder at site 2,000 ft upstream at same datum.

Average discharge.--27 years, 1,636 cfs (unadjusted).

Extremes.--Maximum discharge during year, 7,530 cfs Apr. 19 (gage height, 13.71 ft); minimum daily, 5.9 cfs June 1.
1926-53: Maximum discharge observed, 50,200 cfs Apr. 5, 1948 (gage height, 23.50 ft); no flow except indeterminate and negligible amount of leakage for several days in most years.

Remarks.--Records fair above 300 cfs and poor below. 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 1952 to September 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	692	222	904	436	458	2,680	628	1,980	11	1,470	1,320	1,350
2	246	16	367	860	542	2,770	723	1,250	80	518	968	814
3	211	180	586	774	1,110	2,780	594	948	11	754	1,360	506
4	341	167	409	412	1,230	2,800	464	628	19	974	988	1,070
5	27	234	394	483	1,340	2,820	98	892	15	624	962	894
6	298	138	457	410	1,200	2,800	662	1,140	254	1,240	1,140	284
7	310	143	60	361	2,000	2,370	2,150	1,000	49	1,260	948	384
8	254	19	270	422	2,470	1,220	1,940	661	266	1,070	156	514
9	109	8.4	450	964	2,350	2,010	2,290	548	114	1,640	13	1,140
10	152	84	304	482	2,290	*2,300	3,520	188	18	3,640	739	821
11	128	130	828	976	1,990	1,930	2,850	678	70	3,720	698	868
12	210	73	831	1,080	1,940	1,200	3,520	799	360	1,010	416	950
13	188	68	952	1,090	1,890	1,150	4,180	480	186	1,770	456	1,080
14	365	122	378	501	1,720	1,250	5,120	345	56	*2,460	1,530	1,260
15	555	14	815	482	1,560	1,020	4,430	409	228	1,680	624	1,520
16	436	8.7	*1,230	512	1,680	455	5,600	269	499	1,620	352	1,220
17	496	177	718	468	2,130	1,090	5,410	11	800	1,780	1,080	542
18	570	245	820	72	2,230	1,720	5,470	200	912	1,460	992	359
19	663	474	605	816	2,260	1,800	5,670	494	724	1,290	593	142
20	364	372	829	904	2,150	1,760	4,310	919	326	1,760	1,420	163
21	682	868	268	666	2,370	1,100	4,850	948	434	2,250	1,650	380
22	250	101	620	812	3,270	713	4,190	1,740	1,240	2,520	912	390
23	338	21	739	774	3,460	772	*4,130	875	499	2,230	647	370
24	228	305	290	524	2,830	845	3,950	181	646	2,050	970	520
25	74	152	19	293	2,710	909	3,780	880	1,060	2,300	900	1,720
26	181	255	170	1,070	2,870	1,100	3,790	675	525	1,520	1,100	3,540
27	112	24	157	1,240	2,860	1,190	3,770	705	615	1,410	510	2,290
28	254	919	577	1,300	2,800	1,020	2,790	162	480	1,620	1,050	1,230
29	474	398	856	1,410	-	112	2,620	112	384	1,240	1,880	*2,050
30	298	301	849	*1,120	-	397	2,860	8.2	1,320	1,390	580	2,990
31	103	-	423	954	-	491	-	6.6	-	1,540	1,460	-
Total	9,609	6,259.1	17,175	22,668	57,710	46,574	96,359	20,131.8	12,401	51,810	28,414	31,361
Mean	310	209	554	731	2,061	1,502	3,212	649	413	1,671	917	1,045
(†)	-49	-15	-280	+198	+182	-34	-262	-30	+328	0	-19	-15
Adjusted for change in reservoir contents												
Mean	261	194	274	929	2,243	1,468	2,950	619	741	1,671	898	1,030
Cfsm	0.157	0.117	0.165	0.560	1.35	0.884	1.78	0.373	0.446	1.01	0.541	0.620
In.	0.18	0.13	0.19	0.65	1.41	1.02	1.98	0.43	0.50	1.16	0.62	0.69

	Observed			Adjusted			
Calendar year 1952:	Max 6,250	Min 6.4	Mean 1,238	Mean 1,209	Cfsm 0.728	In. 9.92	
Water year 1952-53:	Max 5,670	Min 6.6	Mean 1,097	Mean 1,096	Cfsm 0.660	In. 8.96	

* Discharge measurement made on this day.
† Change in contents, equivalent in cubic feet per second, in Lake Talquin; furnished by Florida Power Corp.

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 September 1953.

Gage.--Water-stage recorder. Datum of gage is 99.50 ft above mean sea level, datum of 1929 (Florida State Road Dept. benchmark).

Extremes.--Maximum discharge during year, 2,720 cfs Sept. 27 (gage height, 7.81 ft); minimum, 29 cfs June 5 (gage height, 1.45 ft).
1950-53: Maximum discharge, 4,080 cfs Mar. 20, 1951 (gage height, 8.35 ft); minimum, that of June 5, 1953.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 20 to Sept. 8)

1.4	27	5.0	305
1.6	35	6.0	555
2.0	53	6.5	791
3.0	104	7.0	1,220
4.0	177	7.6	2,230

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	61	52	61	206	82	164	68	87	35	76	80	88
2	59	53	61	194	106	125	65	88	32	63	64	85
3	54	49	*66	127	180	109	59	84	32	53	62	77
4	50	*46	62	100	238	103	57	76	*30	48	57	72
5	47	*46	66	88	237	106	64	64	30	48	57	86
6	55	45	71	76	143	115	96	98	37	66	59	118
7	91	51	76	76	245	98	256	222	134	86	55	98
8	167	50	71	72	299	86	260	239	195	113	60	67
9	100	49	66	176	319	81	250	141	174	248	68	64
10	81	51	66	260	225	*78	165	93	197	338	70	52
11	70	50	62	323	127	100	121	78	265	257	63	53
12	64	62	63	332	110	133	209	62	343	387	68	51
13	63	79	56	164	104	147	358	64	260	*181	91	46
14	68	71	57	104	105	124	488	59	174	106	92	47
15	127	65	58	94	175	121	455	55	143	88	70	42
16	143	63	*57	88	267	162	192	50	116	100	82	46
17	130	59	60	82	*354	198	117	52	128	164	66	48
18	91	55	59	79	269	140	101	51	108	231	55	46
19	72	65	57	87	135	103	96	45	83	270	79	47
20	66	98	57	106	112	94	100	61	74	267	139	226
21	62	110	66	106	112	90	*90	90	156	273	332	690
22	56	93	76	84	170	93	84	74	210	209	260	773
23	57	76	82	106	280	102	79	56	157	185	254	334
24	58	66	99	247	325	110	72	52	206	140	*181	129
25	60	63	68	338	273	112	81	48	156	116	126	118
26	57	66	83	371	207	92	179	42	125	104	107	524
27	52	66	92	192	201	81	249	43	110	84	119	*2,060
28	53	66	76	*112	196	71	237	42	109	74	380	1,290
29	50	59	76	99	-	72	122	36	115	72	327	566
30	51	61	79	90	-	68	94	34	103	80	183	332
31	49	-	165	83	-	63	-	33	-	87	116	-
Total	2,264	1,885	2,214	4,662	5,596	3,341	4,864	2,319	4,037	4,614	3,822	8,275
Mean	73.0	62.8	71.4	150	200	108	162	74.8	135	149	123	276
Cfsm	0.562	0.483	0.549	1.15	1.54	0.831	1.25	0.575	1.04	1.15	0.946	2.12
In.	0.65	0.54	0.63	1.33	1.60	0.96	1.39	0.66	1.15	1.32	1.09	2.37

Calendar year 1952: Max 756 Min 44 Mean 149 Cfsm 1.15 In. 15.56
Water year 1952-53: Max 2,060 Min 30 Mean 131 Cfsm 1.01 In. 13.69

Peak discharge (base, 1,500 cfs).--Sept. 27 (6 p.m.) 2,720 cfs (7.81 ft).
* Discharge measurement made on this day.

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, White County, and at mile 405.6.

Drainage area.--150 sq mi.

Records available.--May to December 1907 (fragmentary), February 1940 to September 1953.

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.--13 years (1940-53), 397 cfs.

Extremes.--Maximum discharge during year, 8,120 cfs July 22 (gage height, 9.8 ft); minimum daily, 101 cfs Nov. 9.
1940-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.5	99	3.0	775
1.7	145	5.0	2,400
2.0	245	6.0	3,400
2.5	480		

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	116	112	151	341	351	475	*438	541	234	258	234	114
2	112	112	207	305	323	639	423	475	226	266	234	148
3	110	112	*200	323	314	552	404	428	222	310	218	130
4	110	109	168	258	305	875	394	558	222	266	218	140
5	110	109	230	230	287	669	384	475	218	222	200	190
6	110	114	207	215	296	552	413	756	234	200	197	148
7	114	112	184	215	351	508	428	910	266	226	194	138
8	114	103	168	820	305	486	384	604	241	262	194	122
9	215	101	168	1,570	279	454	379	518	332	226	194	120
10	168	130	683	2,160	270	438	379	454	249	200	*181	128
11	140	140	513	910	491	508	356	423	262	197	174	122
12	128	125	314	616	794	486	433	394	300	190	157	122
13	125	116	258	491	558	464	394	*384	215	187	151	116
14	120	114	222	*418	449	454	365	365	245	184	142	112
15	120	114	200	379	675	508	356	356	222	184	140	112
16	118	112	187	351	535	444	356	346	245	399	132	112
17	118	112	174	323	480	423	337	341	253	310	245	*110
18	116	109	168	454	418	444	346	332	222	323	200	105
19	114	678	160	379	399	475	365	379	215	310	207	122
20	112	335	168	351	1,730	413	332	356	245	266	215	351
21	107	253	174	508	2,970	413	332	323	270	365	171	157
22	112	197	157	389	1,280	718	328	310	245	2,700	157	132
23	*114	168	168	566	875	1,200	318	296	215	1,700	151	128
24	114	162	162	737	731	882	314	287	*215	513	145	122
25	114	151	157	546	657	694	310	283	234	384	140	323
26	112	255	151	449	*592	581	310	274	287	337	132	459
27	114	237	145	408	541	530	300	262	274	305	130	645
28	112	194	140	454	496	496	292	253	418	274	125	296
29	107	174	140	413	-	475	292	249	394	262	122	215
30	112	165	145	379	-	454	759	249	413	253	116	187
31	112	-	552	360	-	444	-	241	-	249	120	-
Total	3,720	5,225	6,821	16,318	17,752	17,154	11,221	12,422	7,833	12,328	5,336	5,426
Mean	120	174	220	526	634	553	374	401	261	398	172	181
Cfsm	0.800	1.16	1.47	3.51	4.23	3.69	2.49	2.67	1.74	2.65	1.15	1.21
In.	0.92	1.29	1.70	4.05	4.40	4.25	2.78	3.08	1.94	3.06	1.33	1.35

Calendar year 1952: Max 7,110 Min 101 Mean 388 Cfsm 2.59 In. 35.20
Water year 1952-53: Max 2,970 Min 101 Mean 333 Cfsm 2.22 In. 30.15

Peak discharge (base, 2,700 cfs).--Jan. 10 (2 a.m.) 3,620 cfs (6.2 ft); Feb. 21 (10 a.m.) 4,280 cfs (6.8 ft); July 22 (8 p.m.) 8,120 cfs (9.8 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 1953.

Gage.--Water-stage recorder. Datum of gage is 974.98 ft above mean sea level, datum of 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.--16 years (1937-53) 1,185 cfs.

Extremes.--Maximum discharge during year, 12,200 cfs July 23 (gage height, 12.9 ft); minimum daily, 349 cfs Oct. 20.
1901-3, 1937-53: Maximum discharge, 45,800 cfs Jan. 7, 1946 (gage height, 26.2 ft, from floodmark); minimum daily, 242 cfs Oct. 13, 19, 26, 1941.

Remarks.--Records good.

Revisions (water years).--WSP 922: Drainage area. WSP 952: 1940(P). WSP 1234: 1946-48.

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	442	402	498	1,470	910	1,470	1,350	3,060	934	950	828	482
2	434	410	632	1,030	886	1,910	1,310	2,070	918	894	768	683
3	418	370	717	1,230	844	1,870	1,270	1,870	910	934	751	658
4	418	426	*632	990	819	2,230	1,230	3,230	894	1,310	742	606
5	418	394	666	870	785	2,390	1,190	2,070	894	950	726	751
6	363	394	751	768	794	1,830	1,230	2,720	894	819	*683	624
7	434	394	649	734	1,070	1,630	1,350	3,940	902	768	658	581
8	418	394	598	1,230	990	1,550	*1,230	2,310	950	918	649	564
9	474	394	615	5,220	861	1,470	1,190	1,830	1,190	844	606	506
10	572	378	1,070	7,420	810	1,390	1,190	1,630	1,030	742	624	498
11	522	506	1,990	3,490	861	1,430	1,150	1,510	990	717	632	506
12	450	506	1,150	2,150	2,070	1,590	1,350	1,430	950	640	598	506
13	370	442	886	1,590	1,790	1,510	1,470	1,390	942	666	572	458
14	434	410	751	1,350	1,310	1,390	1,190	*1,310	950	700	564	418
15	410	402	700	*1,190	2,230	1,470	1,150	1,270	934	683	556	482
16	410	426	666	1,110	2,070	1,430	1,190	1,230	926	1,110	458	466
17	394	363	632	1,030	1,510	1,310	1,150	1,190	942	1,190	606	458
18	426	434	606	1,070	1,310	1,350	1,150	1,230	894	902	844	*450
19	370	624	581	1,190	1,230	1,590	1,190	1,310	853	950	666	482
20	349	2,280	598	990	3,340	1,390	1,110	1,430	1,270	918	751	934
21	410	1,030	606	1,550	*9,600	1,310	1,110	1,190	1,110	1,150	649	717
22	394	751	581	1,230	4,560	1,630	1,070	1,150	1,270	1,230	606	598
23	*378	615	632	1,350	2,720	2,390	1,070	1,110	878	8,760	498	522
24	386	572	649	2,550	2,230	2,640	1,070	1,070	828	2,230	514	522
25	426	572	522	1,710	2,070	1,950	1,070	1,070	*886	1,430	572	819
26	426	564	547	1,350	1,870	1,710	1,070	1,030	1,110	1,190	522	1,430
27	363	717	581	1,150	*1,710	1,590	1,030	1,030	1,270	1,070	490	1,710
28	410	683	547	1,110	1,590	1,510	1,030	990	1,150	990	482	1,190
29	394	581	482	1,190	-	1,430	1,030	990	1,110	902	498	844
30	394	547	564	1,030	-	1,390	2,410	950	1,430	862	394	760
31	394	-	1,550	950	-	1,350	-	934	-	853	402	-
Total	12,901	16,981	22,649	51,292	52,840	51,100	36,600	49,544	30,209	38,272	18,909	20,225
Mean	416	566	731	1,655	1,887	1,648	1,220	1,598	1,007	1,235	610	674
Cfsm	0.744	1.01	1.31	2.96	3.38	2.95	2.18	2.86	1.80	2.21	1.09	1.21
In.	0.86	1.13	1.51	3.41	3.52	3.40	2.43	3.30	2.01	2.55	1.26	1.35

Calendar year 1952: Max 20,200 Min 349 Mean 1,264 Cfsm 2.26 In. 30.77
Water year 1952-53: Max 9,600 Min 349 Mean 1,100 Cfsm 1.97 In. 26.73

Peak discharge (base, 9,000 cfs).--Jan. 10 (7 a.m.) 10,600 cfs (11.8 ft); Feb. 21 (9 a.m.) 9,990 cfs (11.3 ft); July 23 (1 p.m.) 12,200 cfs (12.9 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 1953.

Gage.--Water-stage recorder. Datum of gage is 1,128.6 ft above mean sea level (levels by Corps of Engineers).

Average discharge.--15 years (1929-31, 1940-53), 344 cfs.

Extremes.--Maximum discharge during year, 3,860 cfs July 22 (gage height, 10.3 ft); minimum daily, 94 cfs Sept. 18.
1929-31, 1940-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.1	86	4.0	958
1.5	165	8.0	2,680
2.0	295		

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	108	104	142	342	342	462	384	509	222	170	199	100
2	104	104	202	324	324	640	372	446	214	160	209	167
3	99	104	*189	360	312	558	366	477	209	242	177	125
4	100	104	167	284	307	866	354	708	206	298	175	132
5	99	102	219	254	289	691	342	493	204	196	160	295
6	100	102	202	235	301	574	366	760	214	172	151	156
7	104	100	177	232	366	525	*396	830	235	165	147	134
8	104	99	167	655	310	493	354	574	222	214	151	121
9	182	100	167	1,750	287	462	342	477	262	192	160	115
10	154	136	708	2,320	281	446	339	430	224	160	*142	113
11	125	144	574	958	493	493	330	403	214	156	138	110
12	119	123	348	657	794	462	415	378	202	151	132	110
13	112	108	278	509	590	446	378	363	199	147	132	106
14	108	106	240	446	477	446	339	348	209	142	125	99
15	108	106	214	400	742	462	330	336	199	142	119	99
16	106	104	202	360	607	430	327	324	224	273	117	99
17	106	104	194	336	525	409	315	318	227	182	177	*96
18	104	104	184	509	462	430	324	315	192	199	214	94
19	104	665	177	415	430	462	330	372	182	222	199	127
20	97	577	179	378	1,220	409	310	345	177	177	196	336
21	97	254	184	541	2,260	403	301	310	194	175	154	149
22	102	194	170	*409	1,150	574	298	295	199	1,250	140	123
23	*104	167	179	800	812	674	295	284	179	1,410	138	113
24	104	149	175	708	708	624	289	273	187	415	129	112
25	104	144	165	541	624	541	289	264	*175	295	123	384
26	104	212	160	462	574	*477	289	256	184	245	119	403
27	104	219	156	415	525	562	278	254	184	222	113	590
28	104	172	154	446	493	430	278	243	248	206	112	275
29	102	158	151	403	-	415	273	240	189	192	110	202
30	104	151	156	372	-	403	729	235	189	196	106	175
31	104	-	538	357	-	396	-	227	-	196	102	-
Total	3,376	5,016	7,118	17,178	16,605	15,565	10,332	12,087	6,165	8,562	4,566	5,258
Mean	109	167	230	554	593	502	344	390	206	276	147	175
Cfsm	0.712	1.09	1.50	3.62	3.88	3.28	2.25	2.55	1.35	1.80	0.961	1.14
In.	0.82	1.22	1.73	4.17	4.04	3.78	2.51	2.94	1.51	2.08	1.11	1.27

Calendar year 1952: Max 6,590 Min 97 Mean 373 Cfsm 2.44 In. 33.17
Water year 1952-53: Max 2,320 Min 94 Mean 306 Cfsm 2.00 In. 27.18

Peak discharge (base, 2,600 cfs).--Jan. 10 (2 a.m.) 3,530 cfs (9.7 ft); Feb. 21 (9 a.m.) 3,030 cfs (8.7 ft); July 22 (12 p.m.) 3,860 cfs (10.3 ft).
* Discharge measurement made on this day.

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 1953.

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.--11 years (1942-53), 2,264 cfs.

Extremes.--Maximum discharge during year, 16,200 cfs Jan. 10 (gage height, 19.9 ft); minimum, 540 cfs Aug. 31.

1942-53: 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.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Nov. 19)

3.6	535	12.0	7,050
4.0	755	16.0	11,000
6.0	1,910	19.0	14,800
8.0	3,320		

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	755	700	892	3,160	1,910	2,710	2,170	5,910	1,360	1,600	1,360	640
2	728	728	1,060	2,170	1,840	*3,320	2,170	3,160	1,330	1,280	1,310	684
3	700	728	1,280	2,360	1,780	3,920	2,110	3,160	1,280	1,360	1,280	1,280
4	700	700	*1,170	2,040	1,720	4,010	2,040	5,060	1,280	1,980	1,220	948
5	700	728	1,170	1,660	1,660	5,150	1,980	3,920	1,280	2,040	1,200	1,250
6	700	700	1,300	1,540	1,660	3,570	1,980	4,480	1,280	1,420	1,140	1,310
7	661	700	1,200	1,360	2,100	3,080	*2,170	7,240	1,280	1,220	*1,060	975
8	728	700	1,060	2,870	2,100	2,860	2,110	4,390	1,390	1,250	1,080	892
9	810	700	1,060	10,100	1,780	2,710	1,980	3,240	1,390	1,480	1,060	810
10	1,060	782	1,950	14,700	1,720	2,570	1,910	2,780	1,720	1,250	1,030	755
11	1,030	892	3,830	9,600	1,660	2,570	1,910	2,500	1,390	1,140	1,000	755
12	892	948	2,300	4,480	2,930	2,860	2,240	2,360	1,390	1,060	975	755
13	810	892	1,660	3,240	3,740	2,710	2,570	2,240	1,310	1,030	920	728
14	755	782	1,420	2,710	2,710	2,640	2,110	2,170	1,510	1,060	892	618
15	782	755	1,250	2,360	3,660	2,640	1,910	*2,040	1,390	1,060	865	645
16	755	782	1,200	*2,170	4,480	2,570	1,980	1,980	1,330	1,250	782	672
17	755	755	1,110	2,040	3,000	2,360	1,910	1,910	1,450	1,980	689	662
18	755	728	1,030	2,040	2,570	2,360	1,840	1,910	1,360	1,600	1,250	640
19	755	975	1,000	2,430	2,300	2,640	1,910	2,040	1,220	1,660	1,220	755
20	672	4,010	1,030	2,100	3,610	2,570	1,840	2,360	1,660	1,600	1,250	1,720
21	689	2,300	1,080	2,570	12,000	2,300	1,780	2,040	1,780	1,480	1,160	*1,540
22	700	1,420	1,030	2,710	12,000	2,570	1,720	1,840	1,980	1,980	1,000	1,000
23	700	1,140	1,060	2,570	5,530	3,400	1,720	1,780	1,420	8,110	920	838
24	*728	975	1,110	4,680	4,300	4,580	1,720	1,660	*1,280	6,740	810	782
25	728	975	1,030	3,570	3,920	3,400	1,660	1,660	1,310	2,570	838	1,220
26	755	975	920	2,780	3,570	2,930	1,660	1,600	1,540	1,980	838	2,860
27	728	1,170	1,000	2,430	3,160	2,640	1,660	1,540	1,840	1,780	755	3,240
28	672	1,200	975	2,240	2,930	2,500	1,600	1,510	1,660	1,660	728	2,710
29	700	1,060	892	2,360	-	2,360	1,600	1,450	1,720	1,540	700	1,660
30	694	948	920	2,170	-	2,300	3,480	1,450	1,840	1,420	700	1,330
31	700	-	2,780	1,980	-	2,240	-	1,390	-	1,420	568	-
Total	23,297	30,848	40,769	105,190	96,340	91,040	59,440	82,770	43,970	59,000	30,600	34,674
Mean	752	1,028	1,315	3,393	3,441	2,937	1,981	2,670	1,466	1,903	987	1,155
Cfsm	0.709	0.970	1.24	3.20	3.25	2.77	1.87	2.52	1.38	1.80	0.931	1.09
In.	0.82	1.08	1.43	3.69	3.38	3.19	2.09	2.90	1.54	2.08	1.07	1.22

Calendar year 1952: Max 28,200 Min 661 Mean 2,230 Cfsm 2.10 In. 28.64
Water year 1952-53: Max 14,700 Min 568 Mean 1,912 Cfsm 1.80 In. 24.49

Peak discharge (base, 10,000 cfs).--Jan. 10 (9 p.m.) 16,200 cfs (19.9 ft); Feb. 22 (5 a.m.) 14,800 cfs (19.0 ft); July 24 (1 a.m.) 13,200 cfs (17.8 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 1953.

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.--12 years, 2,417 cfs.

Extremes.--Maximum discharge during year, 17,400 cfs Jan. 11 (gage height, 14.0 ft); minimum, 638 cfs Sept. 1, 15 (gage height, 1.87 ft).
1941-53: 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, 384 cfs Oct. 14, 21, 26, 27, 1941 (gage height, 1.26 ft).

Remarks.--Records good. Slight diurnal fluctuation at low flow.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

Oct. 1 to May 9				May 10 to Sept. 30	
2.2	620	9.0	7,960	1.9	655
3.0	1,200	12.0	13,000	3.0	1,330
5.5	3,550	14.0	17,400	5.5	3,550

Note.--Same as preceding table above 5.5 ft.

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	*768	716	1,040	4,100	2,050	3,110	2,320	6,940	*1,560	*2,060	1,400	655
2	747	728	1,040	2,800	*1,960	*3,110	2,320	4,540	1,520	1,480	1,360	738
3	722	734	1,360	2,800	1,920	4,430	2,230	3,660	1,440	1,440	*1,300	940
4	692	722	1,400	2,600	1,820	4,430	2,230	4,540	1,440	1,520	1,220	1,120
5	680	740	1,280	2,140	1,780	5,730	2,140	5,350	1,400	2,690	1,190	1,090
6	698	728	1,440	1,820	1,740	4,320	2,140	4,320	1,400	1,680	1,160	1,360
7	674	716	1,440	1,640	2,230	3,550	2,230	7,510	1,440	1,360	1,090	1,090
8	716	710	1,280	4,940	2,410	3,220	2,320	6,250	1,480	1,300	1,060	940
9	775	716	1,200	10,700	2,050	2,900	2,140	4,100	1,520	1,520	1,090	850
10	896	775	1,870	14,700	1,820	2,800	2,050	3,250	1,800	1,400	1,060	792
11	1,080	852	3,880	16,700	1,780	2,800	2,050	2,960	1,680	1,220	1,000	765
12	984	964	3,440	8,000	2,230	3,000	2,320	2,690	1,560	1,160	1,000	765
13	852	944	2,230	4,100	4,210	3,000	3,000	2,510	1,480	1,060	970	765
14	754	845	1,740	3,220	3,330	2,800	2,600	2,420	1,520	1,090	940	738
15	775	796	1,480	2,800	3,880	2,700	2,140	2,330	1,600	1,090	910	655
16	768	796	1,360	2,500	5,230	2,800	2,050	2,240	1,520	1,220	880	699
17	754	796	1,280	2,320	3,880	2,600	2,050	2,240	1,520	1,760	820	699
18	747	747	1,240	2,320	3,000	2,500	1,920	2,150	1,560	1,800	910	688
19	775	904	1,200	2,600	2,600	2,700	2,050	2,330	1,400	1,970	1,300	710
20	734	2,920	1,200	2,500	3,000	2,900	2,050	2,780	1,360	1,720	1,260	1,400
21	674	3,770	1,320	2,500	9,520	2,500	1,920	2,510	2,330	1,800	1,260	1,840
22	704	1,870	1,240	3,220	14,700	2,600	1,820	2,150	2,020	2,150	1,060	1,190
23	704	1,440	1,200	2,800	9,730	3,550	1,820	2,060	1,970	4,720	1,000	948
24	704	1,200	1,280	4,650	5,110	4,540	1,820	1,970	1,480	10,200	880	820
25	716	1,120	1,280	4,760	4,650	4,100	1,780	1,880	1,440	3,150	850	970
26	734	1,120	1,120	3,330	4,210	3,330	1,780	1,800	1,560	2,240	880	2,600
27	740	1,200	1,080	2,700	3,770	2,900	1,780	1,760	1,800	1,840	850	3,880
28	704	*1,400	1,120	2,500	3,330	2,700	1,690	1,720	1,970	1,680	792	3,450
29	710	1,240	1,080	2,410	-	2,600	1,640	1,640	1,880	1,560	765	2,020
30	710	1,120	992	2,410	-	2,500	*2,600	1,640	1,880	1,440	765	*1,480
31	*710	-	*2,410	2,140	-	*2,410	-	1,600	-	1,360	*738	-
Total	23,401	33,349	46,522	128,720	107,940	99,130	63,000	95,840	48,530	62,680	31,760	36,649
Mean	755	1,112	1,501	4,152	3,855	3,198	2,100	3,092	1,618	2,022	1,025	1,222
Cfsm	0.614	0.904	1.22	3.38	3.13	2.60	1.71	2.51	1.32	1.64	0.833	0.993
In.	0.71	1.01	1.41	3.90	3.26	3.00	1.91	2.89	1.47	1.89	0.96	1.11

Calendar year 1952: Max 27,000 Min 674 Mean 2,372 Cfsm 1.93 In. 26.26
Water year 1952-53: Max 16,700 Min 655 Mean 2,130 Cfsm 1.73 In. 23.52

Peak discharge (base, 12,000 cfs).--Jan. 11 (1 p.m.) 17,400 cfs (14.0 ft); Feb. 22 (9 p.m.) 15,800 cfs (13.3 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 Pace 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 1953. 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.--19 years (1928-31, 1937-53), 2,590 cfs.

Extremes.--Maximum discharge during year, 18,000 cfs Jan. 11 (gage height, 14.3 ft); minimum daily, 634 cfs Sept. 1.
1928-31, 1936-53: Maximum discharge, 59,000 cfs Jan. 9, 1946 (gage height, 28.0 ft); minimum daily, 422 cfs Oct. 26, 1941.

Remarks.--Records good. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9½ miles above station.

Revisions (water years).--WSP 972: 1932.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.2	620
3.0	1,310
4.0	2,450
12.0	15,000
14.0	17,600

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	770	802	1,150	4,500	2,300	3,540	2,680	4,020	*1,720	*2,120	1,510	634
2	818	818	1,170	3,620	*2,200	*3,380	2,680	6,450	1,610	1,660	1,460	70?
3	762	818	1,460	3,220	2,120	4,660	2,520	4,180	1,610	1,560	1,410	810
4	754	834	1,560	3,060	2,060	5,140	2,450	4,660	1,560	1,830	1,310	1,280
5	722	810	1,460	2,380	1,940	5,940	2,450	*6,110	1,610	2,750	1,310	1,410
6	738	834	1,510	2,060	1,940	5,300	2,380	6,110	1,610	2,000	1,230	1,460
7	746	802	1,610	*1,830	2,450	4,020	2,520	7,640	1,610	1,560	*1,190	1,280
8	714	802	1,410	4,620	2,680	3,620	2,680	7,810	1,660	1,410	1,120	993
9	890	802	1,310	13,500	2,380	3,300	2,450	4,820	1,720	1,510	1,140	898
10	930	898	2,180	16,000	2,060	3,140	2,450	3,860	1,830	1,560	1,130	850
11	1,130	984	3,780	17,300	2,060	3,220	2,380	3,300	1,940	1,360	1,080	802
12	1,060	1,010	4,180	12,400	2,310	3,460	2,820	3,060	1,660	1,270	1,050	802
13	966	1,040	2,450	4,980	4,180	3,460	3,540	2,820	1,610	1,150	1,030	786
14	866	*948	1,940	3,780	3,860	3,220	3,060	2,680	1,560	1,180	975	802
15	834	882	1,720	3,140	4,340	3,060	2,520	2,520	1,720	1,210	930	662
16	858	882	1,560	2,820	5,460	3,060	2,380	2,450	1,720	1,290	930	698
17	826	882	1,460	2,600	4,500	2,980	2,450	2,380	1,660	1,780	914	722
18	834	834	1,410	2,680	3,460	2,820	2,310	2,380	1,660	2,180	922	690
19	826	1,040	1,310	2,750	2,980	3,220	2,310	2,680	1,560	2,240	1,410	810
20	826	2,200	1,410	2,750	3,460	3,300	2,310	3,140	1,460	1,830	1,610	1,610
21	754	4,340	1,460	2,750	8,660	2,900	2,240	2,820	2,240	2,060	1,460	*1,940
22	738	2,120	1,460	3,620	14,300	3,060	2,120	2,380	2,000	2,750	1,210	1,360
23	810	1,560	1,360	3,380	13,000	3,940	2,120	2,180	2,180	3,540	1,060	975
24	786	1,310	1,460	3,780	6,110	4,660	2,060	2,120	1,660	10,100	975	882
25	810	1,180	1,460	5,300	5,300	4,820	2,060	2,060	1,610	4,340	850	1,310
26	810	1,250	1,310	3,780	4,820	3,860	2,060	1,940	1,660	2,380	914	2,540
27	834	1,260	1,210	3,140	4,340	3,380	2,060	1,940	2,000	2,000	890	4,980
28	818	*1,410	1,310	2,750	3,860	3,140	2,000	1,830	2,180	1,830	834	4,020
29	746	1,360	1,310	2,750	-	2,980	1,940	1,780	1,880	1,720	794	2,380
30	818	1,250	1,070	2,680	-	2,820	2,600	1,780	2,000	1,610	770	1,660
31	*810	-	2,680	2,380	-	*2,680	-	1,780	-	1,510	786	-
Total	25,604	35,962	52,130	146,300	119,130	112,080	72,600	105,680	52,500	67,290	34,204	40,752
Mean	826	1,199	1,682	4,719	4,255	3,615	2,420	3,409	1,750	2,171	1,103	1,359
Cfsm	0.570	0.827	1.16	3.25	2.93	2.49	1.67	2.35	1.21	1.50	0.761	0.937
In.	0.66	0.92	1.34	3.75	3.05	2.87	1.86	2.71	1.35	1.73	0.88	1.05

Calendar year 1952: Max 31,000 Min 714 Mean 2,689 Cfsm 1.85 In. 25.25
Water year 1952-53: Max 17,300 Min 634 Mean 2,368 Cfsm 1.63 In. 22.17

Peak discharge (base, 13,000 cfs).--Jan. 11 (8 p.m.) 18,000 cfs (14.3 ft); Feb. 23 (3 a.m.) 15,900 cfs (12.7 ft).

* Discharge measurement made on this day.

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 1953.

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.--16 years (1937-53), 315 cfs.

Extremes.--Maximum discharge during year, 3,130 cfs Jan. 10 (gage height, 9.6 ft); minimum, 28 cfs Sept. 19 (gage height, 0.09 ft).
1904-5, 1913, 1937-53: Maximum discharge, 7,970 cfs Nov. 29, 1948 (gage height, 18.4 ft); minimum, 12 cfs Sept. 11, 1951 (gage height, -0.30 ft).
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 except those for period of no gage-height record, which are fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

0.0	25	1.5	222
.3	43	2.0	356
.6	70	6.0	1,730
1.0	122	10.0	3,310

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	53	55	87	840	254	434	262	1,450	116	144	120	50
2	49	56	111	732	241	399	256	1,520	108	129	110	51
3	45	56	147	732	234	380	241	1,080	103	114	100	56
4	43	56	129	501	224	840	232	948	100	122	90	58
5	42	56	131	368	213	804	222	804	99	277	80	138
6	43	56	145	288	224	588	227	1,120	111	158	80	136
7	*43	56	127	249	350	434	304	2,140	119	*114	74	77
8	43	56	111	1,070	304	368	272	1,800	114	120	70	62
9	55	56	106	2,560	249	329	236	982	108	140	70	53
10	66	*72	586	3,090	224	309	386	501	109	170	66	48
11	74	96	732	2,800	222	405	362	386	138	250	64	45
12	72	87	552	1,620	285	*450	467	335	196	220	62	43
13	65	76	362	606	329	412	570	293	127	150	58	39
14	62	72	220	418	295	368	402	267	106	120	58	36
15	59	71	178	356	982	338	304	256	106	120	56	35
16	57	70	156	315	912	309	272	241	114	140	56	32
17	56	68	144	295	714	288	*244	232	140	170	54	30
18	54	68	*136	418	467	309	227	227	120	200	54	28
19	54	99	127	418	356	418	251	362	98	800	52	60
20	50	246	154	347	588	392	227	552	90	1,200	*51	227
21	47	178	234	412	1,250	380	211	374	140	800	50	153
22	46	122	204	362	1,280	518	204	269	218	600	49	87
23	47	96	187	501	1,050	714	196	222	126	450	49	65
24	49	86	204	804	840	660	189	200	103	300	46	54
25	53	82	191	588	948	518	189	187	122	250	42	164
26	53	98	176	415	858	405	222	168	142	220	39	306
27	53	138	160	*344	60	347	209	154	332	210	37	912
28	53	120	149	326	518	315	185	140	344	180	43	732
29	50	100	138	320	-	293	170	*133	187	160	44	396
30	50	92	145	282	-	277	912	133	140	150	43	185
31	51	-	982	259	-	267	-	124	-	140	50	-
Total	1,637	2,640	7,211	22,636	15,071	13,268	8,651	17,600	4,176	8,318	1,917	4,358
Mean	52.8	88.0	233	730	538	428	288	568	139	268	61.8	145
Cfsm	0.215	0.358	0.947	2.97	2.19	1.74	1.17	2.31	0.565	1.09	0.251	0.589
In.	0.25	0.40	1.09	3.42	2.28	2.01	1.30	2.66	0.63	1.26	0.29	0.66

Calendar year 1952: Max 3,220 Min 25 Mean 261 Cfsm 1.06 In. 14.45
Water year 1952-53: Max 3,090 Min 28 Mean 294 Cfsm 1.20 In. 16.25

Peak discharge (base, 1,800 cfs).--Jan. 10 (2 p.m.) 3,130 cfs (9.6 ft); May 7 (7 p.m.) 2,370 cfs (7.7 ft).

* Discharge measurement made on this day.

Note.--No gage-height record July 8 to Aug. 19; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

Chattahoochee River near Whitesburg, Ga.

Location.--Lat 33°29', long. 84°54', at downstream side near center of bridge on State Highway 16, half a mile upstream from Central of Georgia Railroad bridge, 1¼ miles southeast of Whitesburg, Carroll County, 1½ miles downstream from Cedar Creek, 2 miles downstream from Snake Creek, and at mile 260.0.

Drainage area.--2,430 sq mi, approximately.

Records available.--October 1938 to September 1953.

Gage.--Wire-weight gage read twice daily. Datum of gage is 684.06 ft above mean sea level, datum of 1929. Prior to May 1, 1949, at site 1 mile upstream at same datum.

Average discharge.--15 years, 3,740 cfs.

Extremes.--Maximum discharge during year, 21,200 cfs Jan. 10 (gage height, 13.4 ft, from graph based on gage readings); minimum daily, 890 cfs Oct. 5-8, Sept. 15-18.
1938-53: Maximum discharge, 59,000 cfs Jan. 10, 1946 (gage height, 25.1 ft, site then in use, from graph based on gage readings), from rating curve extended above 30,000 cfs on basis of velocity-area and channel-capacity studies; minimum daily, 468 cfs Oct. 26, 1941.

Remarks.--Records fair. Moderate diurnal fluctuation caused by Morgan Falls hydroelectric plant.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

-0.2	890	5.0	6,500
0.0	1,030	12.0	18,400
2.0	2,840	14.0	22,400

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	1,100	1,030	1,690	6,920	3,300	5,520	4,100	11,400	2,440	2,940	2,300	1,030
2	1,000	960	1,780	6,500	3,200	4,860	4,000	10,900	2,340	2,840	2,200	1,110
3	920	1,030	1,870	4,740	3,140	4,500	3,900	9,180	2,240	2,640	2,100	1,110
4	900	1,030	2,340	3,900	2,900	6,640	3,800	*8,380	2,140	2,540	2,000	1,350
5	890	1,030	2,140	3,340	2,800	9,820	3,800	9,180	2,140	3,200	1,900	1,690
6	*890	1,030	2,050	3,040	3,300	7,200	3,700	10,500	2,240	3,000	1,800	2,050
7	890	1,030	2,050	2,940	4,020	6,200	3,700	12,600	2,340	2,600	1,700	1,690
8	890	960	2,050	3,800	4,200	5,800	3,600	9,500	2,240	2,400	1,700	*1,510
9	1,270	960	2,050	18,200	*3,780	5,300	3,600	7,480	2,140	2,200	1,800	1,270
10	1,350	1,030	3,140	21,000	3,400	5,100	3,600	6,640	2,140	2,400	1,700	1,190
11	1,350	1,270	5,240	20,000	3,200	5,000	3,600	5,100	2,740	2,200	1,600	1,110
12	1,350	1,190	6,920	20,000	3,500	5,200	5,660	4,380	2,640	2,000	1,510	1,030
13	1,270	1,190	5,100	16,000	4,200	5,400	9,020	4,020	2,440	1,900	1,430	1,030
14	1,270	1,190	3,140	9,660	5,500	5,100	6,500	3,780	2,240	1,780	1,350	960
15	1,190	1,110	2,540	6,360	6,800	4,900	4,740	3,660	*2,100	1,780	1,350	890
16	1,190	1,110	2,240	5,100	8,060	4,700	4,020	3,540	2,300	1,870	1,190	890
17	1,110	*1,110	2,140	4,740	7,060	4,500	3,780	3,540	2,600	2,140	1,270	890
18	1,030	1,110	2,140	4,700	5,800	4,500	3,540	3,440	2,440	2,700	1,600	890
19	1,030	1,190	2,050	5,000	4,860	4,500	3,440	3,660	2,340	4,500	1,780	1,190
20	1,030	2,340	2,050	4,800	4,260	5,660	3,440	6,220	2,340	5,400	2,100	2,140
21	1,030	3,340	2,200	4,600	8,700	5,380	3,340	5,380	3,440	5,200	1,900	2,540
22	960	4,020	2,300	5,000	14,600	5,240	3,340	3,660	4,500	4,500	1,700	2,340
23	960	2,840	2,200	5,400	17,400	*5,940	3,240	3,340	3,040	5,300	1,600	1,960
24	1,030	1,510	2,400	6,000	14,800	7,620	3,140	3,140	2,900	7,000	1,430	1,780
25	1,110	1,600	2,400	6,500	12,800	6,780	3,140	3,040	2,800	7,400	1,350	1,350
26	1,110	1,690	2,200	5,800	9,340	5,800	3,040	2,840	2,800	4,000	1,270	2,540
27	1,110	1,600	2,000	4,800	7,900	5,400	3,040	2,740	2,900	*3,000	1,190	7,620
28	1,036	1,510	1,870	4,300	6,220	5,000	2,940	2,740	3,340	2,800	1,110	6,080
29	1,030	1,510	*1,870	4,000	-	4,700	2,940	2,640	3,140	2,600	1,110	4,260
30	1,030	1,600	2,440	3,700	-	4,500	9,500	2,540	3,040	2,500	1,030	3,040
31	1,030	-	5,100	3,500	-	4,300	-	2,440	-	2,400	1,030	-
Total	33,350	44,120	81,700	224,340	179,040	171,060	123,200	171,600	78,480	99,730	49,100	58,530
Mean	1,076	1,471	2,635	7,237	6,394	5,518	4,107	5,535	2,616	3,217	1,584	1,951
Cfsm	0.443	0.605	1.08	2.98	2.63	2.27	1.69	2.28	1.08	1.32	0.652	0.803
In.	0.51	0.68	1.24	3.44	2.74	2.62	1.89	2.63	1.20	1.52	0.75	0.90

Calendar year 1952: Max 31,200 Min 890 Mean 3,787 Cfsm 1.56 In. 21.22
Water year 1952-53: Max 21,000 Min 890 Mean 3,601 Cfsm 1.48 In. 20.12

Peak discharge (base, 18,000 cfs).--Jan. 10 (6 p.m.) 21,200 cfs (13.4 ft); Feb. 23 (6 p.m.) 18,000 cfs (11.8 ft).

* Discharge measurement made on this day.

Note.--Doubtful or no gage-height record Oct. 1-4, Dec. 21-27, Jan. 8, Jan. 18 to Feb. 2, Feb. 4-6, 8, 10-15, Mar. 8-18, Mar. 26 to Apr. 11, June 15-18, 24-27, July 5-13, July 18 to Aug. 11, Aug. 20-23; discharge estimated on basis of 2 discharge measurements and records for stations at Atlanta and West Point.

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, 1¼ miles downstream from Beach Creek, 2 miles upstream from Jackson Creek, and 4¼ miles northwest of La Grange, Troup County.

Drainage area.--182 sq mi.

Records available.--January 1951 to September 1953.

Gage.--Water-stage recorder. Altitude of gage is 601 ft (by barometer).

Extremes.--Maximum discharge during year, 2,890 cfs May 2 (gage height, 9.7 ft); minimum, 27 cfs Oct. 4, 5.
1951-53: Maximum discharge, 6,870 cfs Mar. 5, 1952 (gage height, 11.28 ft); minimum recorded, 8.7 cfs Sept. 10, 1951.

Remarks.--Records good.

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	*35	40	52	686	155	416	200	1,900	94	113	117	65
2	33	39	61	590	150	356	194	2,300	90	101	113	70
3	29	37	83	398	140	324	188	1,050	85	109	121	75
4	27	37	74	316	135	300	176	1,020	82	188	101	70
5	28	36	101	230	126	244	165	1,280	80	145	94	64
6	28	*37	150	194	135	293	194	*1,170	82	113	86	72
7	28	37	113	165	258	372	332	830	86	109	80	70
8	29	38	83	165	308	407	286	910	90	426	79	*64
9	38	38	76	286	*218	434	218	566	89	389	97	59
10	44	44	176	425	170	452	578	380	88	237	86	56
11	44	47	293	434	160	389	790	300	206	135	74	54
12	42	49	212	316	200	324	770	258	206	105	70	54
13	40	48	130	237	251	308	975	230	121	97	68	50
14	37	48	105	200	206	286	910	206	101	88	63	47
15	37	48	90	176	578	244	461	194	*97	86	64	47
16	36	47	82	160	*890	218	308	182	105	155	75	46
17	*37	*47	76	150	790	200	265	170	160	237	416	46
18	36	47	73	380	348	279	244	170	145	182	212	44
19	35	59	70	622	251	578	272	218	101	506	237	51
20	33	97	87	566	265	654	237	332	90	554	170	170
21	33	82	150	389	518	452	*206	272	86	1,110	140	130
22	31	62	130	372	1,080	434	194	194	109	1,560	109	82
23	34	54	126	324	1,110	452	188	170	97	1,240	105	67
24	36	51	170	380	870	*452	176	155	162	590	101	64
25	37	49	176	356	1,240	425	170	145	300	272	90	109
26	36	54	188	258	*1,450	340	188	135	286	188	83	228
27	37	65	155	218	1,050	279	170	126	170	*182	77	566
28	37	62	130	200	670	251	155	113	244	218	75	718
29	35	56	*113	194	-	230	150	109	155	182	75	380
30	35	52	117	176	-	212	*561	105	126	155	73	188
31	37	-	470	160	-	206	-	101	-	140	68	-
Total	1,084	1,507	4,112	9,723	13,722	10,811	9,921	15,291	3,933	9,912	3,419	3,806
Mean	35.0	50.2	133	314	490	349	331	493	131	320	110	127
Cfsm	0.192	0.276	0.731	1.73	2.69	1.92	1.82	2.71	0.720	1.76	0.604	0.698
In.	0.22	0.31	0.84	1.99	2.80	2.21	2.03	3.12	0.80	2.03	0.70	0.78

Calendar year 1952: Max 5,050 Min 20 Mean 199 Cfsm 1.09 In. 14.87
Water year 1952-53: Max 2,300 Min 27 Mean 239 Cfsm 1.31 In. 17.83

* 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, 1 mile upstream from West Point, Troup County, and at mile 198.9.

Drainage area.--3,550 sq mi, approximately.

Records available.--July 1896 to December 1910, January 1912 to September 1953. 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.--55 years (1896-1910, 1912-53), 5,694 cfs.

Extremes.--Maximum discharge during year, 26,100 cfs Jan. 10 (gage height, 14.2 ft); minimum, 1,050 cfs Sept. 18 (gage height, 2.40 ft).
1896-1910, 1912-53: 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 862: 1920, drainage area. WSP 972: 1931-32.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second) (Shifting-control method used Nov. 16 to Dec. 10, Dec. 14-30, Jan. 15 to Feb. 14)

2.4	1,050
3.0	1,910
6.0	7,000
11.0	17,500
14.0	25,500

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	1,380	1,240	2,070	11,500	4,720	8,800	5,570	23,700	3,530	3,700	3,030	1,310
2	1,280	1,280	2,020	9,750	4,550	7,900	5,570	18,800	3,360	3,530	2,870	1,350
3	1,210	1,280	2,150	8,800	4,380	7,360	5,400	16,800	3,190	4,210	3,030	1,280
4	1,220	1,280	2,310	7,720	4,210	8,800	5,230	19,500	3,110	4,380	2,710	1,350
5	1,180	1,280	2,470	6,280	4,040	14,100	5,060	*21,800	3,030	4,040	2,550	2,010
6	1,180	1,300	2,790	5,400	3,960	12,100	5,230	*18,800	3,030	4,380	2,390	2,150
7	*1,140	1,260	2,790	4,550	4,890	10,300	5,920	17,200	3,190	4,380	2,310	2,470
8	1,180	1,280	2,550	4,210	5,920	8,260	5,740	16,800	3,190	4,550	2,230	2,230
9	1,320	1,280	2,470	14,200	5,400	7,360	5,570	16,200	3,190	5,570	2,470	*1,880
10	1,480	1,320	3,190	25,500	*4,890	6,640	8,800	11,500	3,110	4,380	2,710	1,570
11	1,660	1,460	7,720	24,000	4,210	6,460	8,080	8,620	4,210	3,440	2,230	1,450
12	1,620	1,630	7,540	22,200	4,380	6,820	9,370	7,540	4,890	2,950	2,070	1,370
13	1,750	1,640	7,180	22,000	4,550	7,360	17,000	6,640	3,700	2,630	1,960	1,280
14	1,690	1,630	5,080	14,000	5,570	7,000	12,100	6,280	3,190	2,470	1,880	1,240
15	1,460	1,660	3,870	7,360	10,500	6,640	8,260	5,920	*2,950	2,390	1,800	1,210
16	1,380	1,520	3,190	6,100	12,800	6,280	6,640	5,570	3,110	2,630	1,800	1,210
17	1,310	1,420	2,870	5,570	11,100	5,920	5,920	5,400	4,040	3,700	2,550	1,130
18	1,310	*1,410	2,630	7,720	9,370	6,280	5,570	5,230	3,700	4,300	2,230	1,060
19	1,270	1,480	2,550	8,440	7,360	8,080	5,740	5,400	3,190	5,230	2,470	1,190
20	1,220	2,040	2,550	7,180	6,640	8,440	5,400	7,540	2,950	8,260	2,310	2,470
21	1,210	2,950	3,280	6,820	10,700	7,360	5,230	8,440	2,870	8,080	2,630	3,620
22	1,220	4,380	3,440	6,280	18,000	8,800	4,890	7,540	3,280	8,800	2,630	2,870
23	1,170	4,210	3,190	6,460	20,200	9,180	4,720	5,740	4,550	9,940	2,390	2,710
24	1,140	2,790	3,360	8,440	22,000	*9,750	4,550	5,060	4,210	8,260	2,150	2,020
25	1,190	2,230	3,440	8,990	23,400	9,750	4,550	4,720	4,210	9,750	1,910	2,230
26	1,220	2,040	3,620	8,800	17,500	9,370	4,720	4,380	4,210	9,940	1,720	3,190
27	1,210	2,070	3,280	7,540	13,400	7,900	4,550	4,210	4,380	*5,230	1,540	9,940
28	1,220	2,230	2,870	6,280	10,500	7,000	4,380	3,960	5,230	4,380	1,540	12,500
29	1,240	2,070	2,630	5,740	-	6,460	4,210	3,870	5,570	3,960	1,520	8,080
30	1,190	2,150	*2,630	5,400	-	6,100	10,800	3,700	4,120	3,620	1,460	5,740
31	1,190	-	7,180	5,230	-	5,740	-	3,620	-	3,280	1,380	-
Total	40,440	55,810	108,890	298,460	259,140	248,310	194,770	300,480	110,490	156,360	68,470	84,110
Mean	1,305	1,860	3,513	9,628	9,255	8,010	6,492	9,693	3,683	5,044	2,209	2,804
Cfsm	0.368	0.524	0.990	2.71	2.61	2.26	1.83	2.73	1.04	1.42	0.622	0.790
In.	0.42	0.58	1.14	3.12	2.72	2.61	2.04	3.15	1.16	1.64	0.72	0.88

Calendar year 1952: Max 39,200 Min 1,010 Mean 5,102 Cfsm 1.44 In. 19.57
Water year 1952-53: Max 25,500 Min 1,060 Mean 5,276 Cfsm 1.49 In. 20.18

Peak discharge (base, 25,000 cfs).--Jan. 10 (3 p.m.) 26,100 cfs (14.2 ft); Feb. 25 (2 a.m.) 25,800 cfs (14.1 ft); May 1 (2 p.m.) 25,500 cfs (14.0 ft).
* Discharge measurement made on this day.

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 1953.

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.--9 years (1944-53), 87.3 cfs.

Extremes.--Maximum discharge during year, 899 cfs May 1 (gage height, 3.97 ft); minimum, 9.4 cfs Oct. 8.

1943-53: 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. 8, 1952.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.5	7.0	2.1	78
1.6	10	2.3	129
1.7	16	3.0	390
1.8	26	4.0	920
1.9	40		

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	19	14	18	141	51	144	62	670	42	44	51	24
2	16	14	22	88	49	124	64	278	40	44	47	26
3	15	14	25	85	49	129	62	246	39	87	45	26
4	13	14	21	66	47	141	58	262	36	154	42	25
5	11	14	37	56	44	129	54	*417	36	95	40	23
6	10	14	40	51	49	107	70	278	36	58	39	25
7	*10	14	25	49	90	92	144	230	37	45	36	24
8	9.8	14	22	49	74	90	92	188	39	70	34	22
9	14	15	22	226	62	83	78	148	37	223	58	*20
10	14	15	53	230	*54	78	435	124	37	110	47	19
11	14	18	58	141	53	105	334	a110	68	64	a36	19
12	14	18	34	97	62	107	278	a98	40	54	a30	18
13	14	16	26	78	66	124	278	a90	37	47	a28	17
14	13	16	24	70	66	116	157	a82	34	42	a28	16
15	13	16	22	64	408	102	124	a76	34	44	a28	16
16	14	16	21	60	202	90	116	72	*a35	51	a54	16
17	*14	16	21	54	118	83	97	72	a74	135	a120	16
18	13	*16	21	97	92	83	92	72	a42	80	a92	16
19	12	20	21	116	83	102	92	95	a40	148	a70	21
20	12	24	32	83	78	85	83	132	a38	198	47	80
21	10	21	54	72	144	78	78	92	a40	164	40	39
22	11	18	34	64	216	83	74	78	a44	206	36	26
23	14	16	34	70	141	92	70	68	a50	223	37	23
24	14	17	62	102	268	*88	70	66	a68	124	36	26
25	13	17	102	74	471	88	70	60	a120	88	32	66
26	13	19	83	64	444	78	78	56	a88	72	30	97
27	13	21	58	60	318	70	68	53	a60	66	29	375
28	13	18	47	58	188	70	64	49	a56	*83	27	242
29	13	18	39	58	-	68	62	49	a50	72	29	92
30	13	18	*42	51	-	66	499	47	44	62	27	68
31	14	-	223	51	-	66	-	44	-	56	25	-
Total	405.8	501	1,343	2,625	3,987	2,961	3,903	4,402	1,441	3,009	1,320	1,523
Mean	13.1	16.7	43.3	84.7	142	95.5	130	142	48.0	97.1	42.6	50.8
Cfsm	0.212	0.271	0.702	1.37	2.30	1.55	2.11	2.30	0.778	1.57	0.690	0.823
In.	0.24	0.30	0.81	1.58	2.40	1.79	2.35	2.65	0.87	1.81	0.80	0.92

Calendar year 1952: Max 918 Min 9.8 Mean 61.7 Cfsm 1.00 In. 13.60
Water year 1952-53: Max 670 Min 9.8 Mean 75.1 Cfsm 1.22 In. 16.52

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 recorded range in stage and records for stations on nearby streams.

Chattahoochee River at Columbus, Ga.

Location.--Lat 32°27'45", long. 84°59'45", on downstream side of center pier of Central of Georgia Railroad bridge in Columbus, Muscogee County, half a mile downstream from Eagle and Phenix Dam, 1¼ 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 1953.

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.--24 years, 6,647 cfs (unadjusted).

Extremes.--Maximum discharge during year, 44,400 cfs May 2 (gage height, 25.1 ft); minimum daily, 1,410 cfs Nov. 12.

1912, 1929-53: 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. 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 table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

-0.3	1,380	7.0	9,150
.0	1,570	16.0	24,100
2.0	3,090	23.0	39,300

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	2,060	1,710	2,270	7,750	5,320	12,000	6,170	38,600	2,830	4,960	4,520	3,000
2	2,060	1,710	2,670	8,450	4,300	10,800	*5,800	37,700	3,970	4,850	2,510	3,090
3	1,780	1,710	3,000	6,950	4,740	10,600	5,680	29,200	3,970	5,200	3,090	3,090
4	1,710	1,710	3,180	6,580	6,040	10,900	5,200	28,400	3,970	5,560	4,190	2,510
5	1,710	1,710	3,570	8,310	6,040	13,400	4,410	38,400	3,970	5,080	4,520	2,060
6	1,710	1,570	3,770	6,950	6,170	15,400	4,520	29,000	3,090	4,740	4,850	1,920
7	1,850	1,570	3,270	*6,170	6,170	10,400	6,560	23,700	2,270	5,560	4,300	1,920
8	1,850	1,570	3,370	6,300	5,920	10,300	8,030	20,200	2,830	6,040	3,180	1,920
9	1,990	1,470	4,190	13,000	6,170	10,300	6,820	17,400	3,570	5,200	2,200	1,990
10	1,710	1,440	4,300	23,900	6,170	10,200	13,300	14,800	3,970	9,150	2,510	*2,130
11	1,710	1,540	5,080	24,700	6,820	10,300	13,800	10,900	3,970	6,560	2,830	1,920
12	1,710	1,410	7,080	23,700	6,950	10,400	14,600	*10,300	4,080	4,410	2,910	1,920
13	1,780	1,500	6,950	21,900	7,210	10,900	20,200	10,200	3,770	3,270	2,830	1,850
14	1,710	1,570	5,080	17,000	6,300	10,800	16,700	9,150	3,090	4,080	2,670	1,850
15	*1,780	1,540	4,410	10,400	9,710	10,300	11,500	8,870	2,910	4,960	2,130	1,920
16	1,780	1,440	5,800	10,000	11,800	9,430	10,300	7,610	4,300	4,740	1,920	1,850
17	1,710	1,570	6,040	10,000	10,600	8,590	10,200	5,440	4,520	5,200	2,670	1,850
18	1,680	1,640	5,560	12,000	*10,400	6,430	10,600	5,200	5,440	4,850	3,670	1,780
19	1,680	1,850	4,740	12,000	10,300	8,870	11,000	5,920	5,200	4,410	3,970	2,080
20	1,710	2,830	4,520	10,600	10,200	8,870	10,200	8,310	4,410	6,560	3,270	2,200
21	2,020	2,830	3,270	11,200	11,500	8,870	6,300	8,870	3,000	10,900	3,000	1,780
22	2,160	2,270	3,570	9,570	19,600	8,590	5,920	8,730	3,180	12,600	2,910	1,780
23	1,920	2,130	3,870	9,570	22,500	9,430	5,800	6,430	4,190	12,400	2,270	1,850
24	1,710	2,350	4,630	10,900	19,300	9,850	6,430	5,800	4,850	11,400	2,430	2,430
25	1,710	2,830	5,200	9,150	33,600	9,850	5,560	5,080	*4,630	10,200	2,830	3,470
26	1,710	*2,910	4,630	9,850	28,800	9,850	4,410	4,410	4,740	10,800	2,910	7,080
27	1,710	2,830	5,080	10,000	21,000	9,850	3,370	5,920	4,520	10,000	2,910	13,300
28	1,710	2,430	4,190	9,850	13,000	9,850	4,410	5,680	4,520	10,000	2,910	13,200
29	1,710	2,430	4,080	8,870	-	9,010	5,080	5,440	4,850	*6,950	2,350	10,800
30	1,780	2,270	5,680	8,870	-	8,590	19,900	5,080	4,960	6,170	2,060	10,200
31	1,780	-	7,890	6,560	-	7,210	-	3,370	-	5,320	2,430	-
Total	55,600	58,340	140,940	351,030	316,630	310,140	262,770	424,110	119,570	212,120	93,750	108,720
Mean	1,794	1,945	4,546	11,320	11,310	10,000	8,759	13,680	3,986	6,843	3,024	3,624
(†)	-309	+319	-163	-65	+828	-520	+487	-179	+50	-146	-163	+269
Adjusted for change in reservoir contents												
Mean	1,485	2,264	4,383	11,260	12,140	9,480	9,246	13,500	4,036	6,697	2,861	3,893
Cfsm	0.318	0.485	0.939	2.41	2.60	2.03	1.98	2.89	0.864	1.43	0.613	0.834
In.	0.37	0.54	1.08	2.78	2.71	2.34	2.21	3.33	0.96	1.65	0.71	0.93

	Observed						Adjusted					
Calendar year 1952:	Max	56,900	Min	1,340	Mean	6,363	Mean	6,313	Cfsm	1.35	In.	18.41
Water year 1952-53:	Max	38,600	Min	1,410	Mean	6,723	Mean	6,748	Cfsm	1.44	In.	19.61

* Discharge measurement made on this day.

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

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 1953. Gage-height records collected at same site since 1936 are contained in reports of U. S. Weatner 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.--25 years, 11,070 cfs.

Extremes.--Maximum discharge during year, 82,000 cfs May 4 (gage height, 45.8 ft); minimum, 2,360 cfs Nov. 10, 18, 19 (gage height, 4.2 ft).
1928-53: Maximum discharge, 203,000 cfs Mar. 18, 1929 (gage height, 56.05 ft), from rating curve extended above 115,000 cfs; minimum, 1,220 cfs Oct. 26, 1931 (gage height, 1.79 ft).

Remarks.--Records good. Flow regulated by Bartlett Ferry Reservoir (see preceding page).

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 5-29, July 25 to Sept. 26)

4.3	2,440	22.0	27,800
5.0	3,000	36.0	57,000
8.0	6,000	46.0	93,000
14.0	14,200		

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	2,760	2,520	3,450	11,500	12,200	29,600	10,800	36,000	7,800	8,960	8,680	3,900
2	2,920	2,680	*3,360	13,900	11,500	20,600	9,800	51,200	6,480	8,160	7,560	3,720
3	2,920	2,600	3,450	12,300	10,400	17,600	*9,380	69,600	5,340	8,160	*6,600	4,300
4	2,920	2,600	4,000	11,200	9,240	16,600	8,960	90,500	6,240	8,280	5,670	4,400
5	2,680	2,600	4,500	9,660	9,380	17,400	8,680	83,200	6,360	8,400	5,560	4,300
6	2,600	2,520	5,010	9,380	9,240	18,600	7,800	68,700	6,360	8,820	6,360	3,810
7	2,600	2,520	5,340	9,800	11,600	21,500	9,380	57,900	6,600	8,040	6,360	3,450
8	2,600	2,520	5,230	9,380	14,700	17,100	14,500	45,200	6,480	7,320	6,240	3,360
9	2,760	2,440	4,700	10,800	13,600	14,800	14,700	37,200	5,560	9,380	5,340	3,270
10	2,840	2,440	5,010	18,600	11,100	14,500	16,400	29,600	5,010	10,600	4,800	3,180
11	3,000	2,600	6,360	28,000	10,400	15,200	23,000	25,500	5,780	11,600	4,300	3,090
12	2,840	2,600	6,960	30,100	10,100	16,000	28,500	19,400	6,360	11,300	4,100	3,180
13	2,760	2,680	7,800	28,900	10,500	16,400	33,500	16,800	6,720	8,400	4,400	3,000
14	2,760	2,600	8,540	26,400	10,800	17,600	35,200	15,800	6,720	6,120	4,400	2,920
15	2,760	2,680	8,040	*23,700	16,000	17,400	31,000	14,800	6,480	5,670	4,300	2,920
16	2,680	2,680	6,000	16,800	25,600	16,400	21,300	13,700	5,890	6,960	4,000	*2,920
17	2,680	2,600	6,000	13,200	24,600	14,800	16,400	12,800	5,560	10,400	3,810	2,920
18	2,680	2,440	6,960	12,900	19,800	13,400	15,300	*10,900	6,600	10,600	3,720	2,920
19	2,600	2,520	7,080	18,800	16,400	13,100	16,000	9,380	7,800	10,900	4,300	2,920
20	2,520	3,450	6,480	22,300	15,200	12,600	23,000	10,200	7,920	10,100	6,360	3,900
21	2,520	3,900	5,890	18,900	14,800	13,200	20,800	14,200	7,920	13,100	6,720	5,560
22	2,440	4,500	6,120	17,700	17,600	12,900	14,800	15,300	7,560	15,200	5,560	5,120
23	*2,600	4,300	5,450	16,300	26,900	12,500	11,200	14,500	6,600	18,900	5,120	4,500
24	3,090	3,720	5,670	16,100	30,100	13,600	9,940	12,600	6,360	22,700	4,500	3,720
25	2,760	3,270	6,360	17,700	*28,500	14,000	9,940	10,500	6,600	18,200	3,810	3,630
26	2,600	3,360	8,960	16,000	39,000	13,900	11,100	8,960	7,560	14,800	4,000	6,480
27	2,520	3,810	9,800	14,000	46,000	13,400	9,660	8,400	7,680	11,600	4,400	16,100
28	2,520	4,000	8,820	13,700	41,400	13,100	8,160	8,040	8,400	12,300	4,600	24,900
29	2,520	3,900	7,440	13,400	-	13,100	7,560	8,680	*11,200	13,100	4,700	24,200
30	2,520	3,540	6,360	12,300	-	12,500	8,540	8,540	10,100	13,400	4,500	18,800
31	2,520	-	7,080	11,900	-	11,500	-	8,280	-	10,400	4,000	-
Total	83,490	90,590	192,220	505,620	516,660	484,900	465,300	836,380	208,040	341,870	158,770	181,390
Mean	2,693	3,020	6,201	16,310	18,450	15,640	15,510	26,980	6,935	11,030	5,122	6,046
Cfsm	0.335	0.376	0.771	2.03	2.29	1.95	1.93	3.36	0.863	1.37	0.637	0.752
In.	0.39	0.42	0.89	2.34	2.38	2.25	2.15	3.87	0.96	1.58	0.73	0.84

Calendar year 1952: Max 70,200 Min 2,440 Mean 9,594 Cfsm 1.19 In. 16.27
Water year 1952-53: Max 90,500 Min 2,440 Mean 11,140 Cfsm 1.39 In. 18.80

* Discharge measurement made on this day.
Note.--Discharge computed from once-daily wire-weight-gage readings July 15 to Sept. 1.

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, 1¼ 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 1953.

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 and datum.

Average discharge.--16 years, 334 cfs.

Extremes.--Maximum discharge during year, 2,860 cfs May 1 (gage height, 11.55 ft); minimum daily, 44 cfs Oct. 22, 23.
1937-53: Maximum discharge, 13,200 cfs Nov. 27, 1948 (gage height, 18.0 ft); minimum daily, 13 cfs Sept. 9, 1951.
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 flows. City of Griffin diverted an average of about 2½ cfs from tributary above station to Towaliga River for municipal supply.

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	68	54	92	845	249	785	255	2,470	107	162	118	54
2	63	57	89	770	226	595	255	2,120	101	132	107	8
3	*58	60	101	875	211	525	243	2,420	95	110	104	101
4	55	60	107	845	201	516	237	2,120	89	104	104	107
5	55	60	124	615	192	605	231	1,440	92	118	107	123
6	56	60	154	444	192	695	231	*1,280	92	124	92	192
7	46	60	150	329	426	950	321	1,630	107	132	84	183
8	*46	62	150	267	545	785	314	1,550	124	166	78	154
9	57	62	135	353	525	498	273	1,480	128	206	84	101
10	66	66	146	605	575	361	329	1,050	121	135	107	*81
11	78	70	183	1,070	*453	369	321	682	221	128	118	73
12	78	76	192	1,840	329	462	435	444	237	101	104	70
13	73	81	226	1,170	337	453	670	329	154	89	84	63
14	68	81	286	758	307	462	845	273	128	81	76	63
15	66	78	249	507	1,000	435	1,670	243	121	81	68	61
16	61	78	255	337	*1,140	353	1,010	221	121	95	66	56
17	60	78	128	279	890	321	525	211	*138	214	66	53
18	60	76	114	417	815	345	321	201	132	520	66	51
19	59	*81	107	575	635	658	273	282	121	970	70	73
20	59	101	121	565	435	708	237	462	192	890	138	453
21	47	121	196	585	595	565	221	337	192	1,670	178	423
22	44	128	206	555	1,070	615	211	293	146	1,310	154	273
23	44	132	226	480	1,310	645	196	279	142	770	142	221
24	46	107	293	625	1,440	615	188	221	142	401	107	128
25	48	89	279	615	1,630	*585	183	192	146	345	89	114
26	51	86	279	585	1,550	516	196	170	237	255	78	300
27	52	98	255	605	1,480	444	183	146	267	188	70	1,030
28	52	101	216	471	1,140	369	170	132	385	188	68	991
29	50	101	183	337	-	329	162	121	237	*174	63	745
30	50	98	166	279	-	286	613	114	188	154	66	645
31	50	-	*565	261	-	267	-	118	-	135	62	-
Total	1,766	2,462	5,973	18,864	19,898	16,117	11,319	23,031	4,703	10,148	2,918	7,115
Mean	57.0	82.1	193	609	711	520	377	743	157	327	94.1	237
Cfsm	0.210	0.302	0.710	2.24	2.61	1.91	1.39	2.73	0.577	1.20	0.346	0.871
In.	0.24	0.34	0.82	2.58	2.72	2.20	1.55	3.15	0.64	1.38	0.40	0.97

Calendar year 1952: Max 5,810 Min 26 Mean 311 Cfsm 1.14 In. 15.54
Water year 1952-53: Max 2,470 Min 44 Mean 341 Cfsm 1.25 In. 16.99

Peak discharge (base, 2,000 cfs).--May 1 (8 a.m.) 2,860 cfs (11.55 ft).
* Discharge measurement made on this day.

Flint River near Molena, Ga.

Location.--Lat 32°59', long. 84°32', near right bank at downstream end of pier of bridge on State Highway 18, 500 ft downstream from Southern Railway bridge, half a mile downstream from Pappys Creek, 1¾ miles upstream from Elkins Creek, 2 miles southwest of Molena, Pike County, and at mile 278.1.

Drainage area.--990 sq mi, approximately.

Records available.--June 1897 to May 1898 (gage heights only, June to December 1897), November 1945 to June 1953 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 646.78 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). June 1897 to May 1898, wire-weight gage at site 500 ft upstream at different datum.

Average discharge.--7 years (1945-52), 1,355 cfs.

Extremes.--Maximum discharge during period October to June, 10,700 cfs May 1 (gage height, 14.9 ft); minimum, 160 cfs Oct. 7.
1898, 1945-53: Maximum discharge, 31,100 cfs Nov. 27, 1948 (gage height, 25.9 ft); minimum, 46 cfs Sept. 10, 1951.

Remarks.--Records good.

Rating table, Oct. 1, 1952, to June 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 13 to Feb. 15, May 11 to June 30)

5.4	136	7.0	1,260
5.7	255	12.0	6,900
6.0	430	15.0	10,800

Discharge, in cubic feet per second, October 1952 to June 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	210	190	335	*3,120	1,080	3,450	1,080	9,760	663			
2	206	206	353	3,230	1,040	2,350	1,060	9,240	631			
3	190	210	384	3,340	973	2,150	1,040	7,810	607			
4	174	210	410	2,680	948	2,150	973	9,500	568			
5	163	214	465	2,100	922	2,250	948	8,070	552			
6	167	214	631	1,650	922	2,570	990	*7,680	560			
7	167	214	623	1,260	1,650	3,010	1,350	6,420	599			
8	182	214	552	1,090	2,050	2,400	1,400	5,700	655			
9	210	219	*500	1,550	2,000	1,850	1,220	4,980	679			
10	250	232	583	2,460	*1,350	1,400	1,800	3,780	663			
11	260	250	794	3,560	1,500	1,450	2,150	2,790	1,030			
12	260	270	846	4,260	1,300	1,700	1,950	1,950	1,450			
13	260	270	922	3,900	1,400	1,850	2,900	1,500	1,040			
14	250	270	930	2,740	1,350	1,800	3,780	1,300	820			
15	*232	270	735	1,800	3,780	1,600	4,140	1,220	719			
16	224	270	615	1,350	4,980	1,400	3,230	1,130	623			
17	214	270	508	1,170	4,260	1,220	2,050	1,120	*956			
18	210	260	465	1,500	3,120	1,450	1,400	1,100	862			
19	214	295	437	2,570	2,150	3,010	1,170	1,170	687			
20	206	335	451	2,520	1,750	3,340	1,080	1,700	948			
21	190	424	695	2,790	2,300	2,900	990	1,600	948			
22	170	430	803	2,400	4,260	2,790	939	1,300	703			
23	182	410	812	2,050	5,220	2,740	888	1,170	735			
24	170	372	1,040	2,740	5,820	2,680	862	1,100	1,110			
25	178	347	1,080	2,570	6,780	*2,350	854	1,030	1,170			
26	182	323	1,090	2,460	7,160	2,050	862	930	862			
27	190	323	982	2,000	6,780	1,750	862	862	1,170			
28	190	359	862	1,650	5,220	1,500	837	794	1,550			
29	182	365	719	1,450	-	1,300	778	735	1,400			
30	174	353	663	1,220	-	1,220	3,720	703	1,170			
31	182	-	2,050	1,120	-	1,120	-	687	-			
Total	6,239	8,589	22,335	70,300	82,065	64,800	47,303	98,831	26,130			
Mean	201	286	720	2,268	2,931	2,090	1,577	3,188	871			
Cfsm	0.203	0.289	0.727	2.29	2.96	2.11	1.59	3.22	0.880			
In.	0.23	0.32	0.84	2.64	3.08	2.43	1.77	3.71	0.98			

Calendar year 1952: Max 16,900 Min 80 Mean 1,127 Cfsm 1.14 In. 15.49
Water year 1952-53: Max - Min - Mean - Cfsm - In. -

Peak discharge (base, 7,500 cfs).--May 1 (7 a.m.) 10,700 cfs (14.9 ft); May 4 (9 a.m.) 9,760 cfs (14.2 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 1953.

Gage.--Water-stage recorder. Altitude of gage is 600 ft (by barometer).

Average discharge.--15 years, 226 cfs.

Extremes.--Maximum discharge during year, 4,240 cfs Apr. 30 (gage height, 6.65 ft); minimum daily, 44 cfs Oct. 5, 22.
1938-53: 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, 2.8 cfs Sept. 10, 1951.

Remarks.--Records good. Some regulation at low flow caused by diversion for municipal and industrial supplies at Thomaston.

Rating table, water year 1952-53 (gage-height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Sept. 30)

2.7	38	4.0	560
2.9	62	4.5	1,030
3.2	132	5.0	1,640
3.5	250	6.0	3,060

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	52	50	61	*658	205	490	232	3,060	120	193	162	75
2	49	50	62	616	193	402	232	3,060	106	148	152	241
3	50	53	73	384	185	384	214	2,300	103	193	142	152
4	45	48	78	366	173	408	210	2,520	98	360	123	275
5	44	48	94	295	162	462	197	2,520	96	214	118	354
6	45	50	106	223	173	518	232	*1,060	103	152	112	384
7	*47	53	103	205	318	348	306	775	139	139	106	241
8	48	49	85	223	390	312	324	820	139	173	109	155
9	56	49	75	408	336	280	336	560	135	342	185	*120
10	61	54	89	560	232	260	1,480	420	129	576	120	106
11	64	54	109	658	*210	342	1,210	342	135	285	115	98
12	62	58	112	518	232	408	784	300	142	158	152	155
13	62	62	87	348	241	469	624	260	109	126	103	103
14	56	59	82	270	246	402	592	241	98	112	92	89
15	53	57	75	236	900	360	384	228	96	123	80	80
16	53	61	67	233	986	300	306	210	*152	236	80	80
17	53	61	66	205	820	280	270	210	155	218	82	82
18	53	54	66	246	408	290	241	205	126	2,100	92	76
19	53	*61	71	290	312	490	241	270	103	2,740	132	123
20	48	82	87	312	290	469	223	360	255	1,770	126	920
21	48	78	158	206	372	712	205	360	241	1,240	135	1,250
22	44	71	155	280	532	568	197	250	232	793	118	504
23	46	64	129	420	608	640	193	214	135	694	98	476
24	45	61	148	476	694	525	181	197	112	518	89	155
25	48	56	236	576	975	*448	181	181	120	342	85	384
26	50	59	236	396	1,340	372	193	158	260	250	78	1,120
27	52	62	201	285	986	312	189	152	396	223	78	2,370
28	48	64	148	250	730	285	181	139	342	*255	73	2,820
29	46	61	120	236	-	270	185	132	300	270	87	1,110
30	46	61	129	218	-	250	1,770	123	223	218	80	427
31	45	-	624	205	-	236	-	123	-	181	75	-
Total	1,572	1,750	3,932	10,802	13,249	12,292	12,113	21,750	4,900	15,342	3,379	14,505
Mean	50.7	58.3	127	348	473	397	404	702	163	495	109	484
Cfsm	0.273	0.313	0.683	1.87	2.54	2.13	2.17	3.77	0.876	2.66	0.586	2.60
In.	0.31	0.35	0.79	2.16	2.64	2.46	2.42	4.35	0.98	3.07	0.68	2.90

Calendar year 1952: Max 5,260 Min 8.6 Mean 240 Cfsm 1.29 In. 17.55
Water year 1952-53: Max 3,060 Min 44 Mean 317 Cfsm 1.70 In. 23.11

Peak discharge (base, 1,700 cfs).--Apr. 10 (1 a.m.) 1,900 cfs (5.20 ft); Apr. 30 (7 p.m.) 4,240 cfs (6.65 ft); May 4 (5 a.m.) 3,140 cfs (6.06 ft); July 18 (9 p.m.) 3,490 cfs (6.23 ft); Sept. 28 (12 m.) 2,980 cfs (5.95 ft).
* 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 1953.

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.--30 years (1911-22, 1928-31, 1937-53), 2,446 cfs.

Extremes.--Maximum discharge during year, 35,800 cfs May 1 (gage height, 27.6 ft); minimum, 386 cfs Oct. 6.
1911-23, 1928-31, 1937-53: 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.

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	490	435	645	6,290	2,080	5,990	*2,010	32,200	1,030	1,940	1,420	606
2	460	445	667	5,020	2,010	4,660	2,010	22,000	970	1,420	1,300	1,030
3	440	465	736	4,840	1,870	4,120	1,940	17,200	910	1,420	1,240	1,150
4	422	475	790	4,200	1,730	4,020	1,800	19,500	850	2,510	1,240	1,150
5	399	470	820	3,430	1,660	4,380	1,730	15,600	820	1,870	1,060	2,510
6	390	475	1,030	*2,810	1,600	4,200	1,730	11,700	820	1,300	1,000	2,360
7	394	480	1,090	2,360	2,580	4,480	2,510	10,300	970	1,150	910	2,010
8	422	480	1,030	2,220	3,600	4,020	2,740	8,280	1,030	1,600	910	1,800
9	510	475	910	3,760	3,270	3,430	2,440	7,190	1,060	2,510	1,330	1,210
10	585	495	970	5,690	2,960	2,880	8,820	5,790	1,030	2,290	1,390	940
11	585	535	1,330	5,690	2,510	2,810	7,510	4,660	1,150	1,730	1,000	820
12	585	568	1,390	5,690	2,360	3,430	5,600	*3,600	1,800	1,300	970	760
13	579	590	1,360	5,310	2,510	3,510	5,890	2,960	1,600	1,030	910	718
14	*557	585	1,420	4,380	2,360	3,510	5,220	2,510	1,150	850	e20	650
15	535	579	1,270	3,270	4,300	3,270	5,500	2,290	970	820	730	618
16	515	574	1,090	2,580	5,310	2,880	4,740	2,150	970	1,730	689	*601
17	505	568	940	2,150	*7,090	2,580	3,680	2,010	1,360	2,960	678	590
18	485	568	850	2,220	8,500	2,360	2,810	1,940	1,420	7,730	790	579
19	475	601	820	3,850	10,200	3,600	2,290	1,940	1,120	7,290	880	752
20	475	790	880	3,850	11,100	5,220	2,150	2,960	1,660	8,060	850	6,290
21	445	790	1,600	4,200	10,500	4,840	1,940	2,880	2,080	12,600	1,120	3,680
22	417	790	1,540	3,940	7,290	4,660	1,800	2,440	1,420	10,000	1,150	3,040
23	408	742	1,420	3,600	6,890	4,480	1,660	2,080	1,150	8,280	970	1,940
24	435	706	1,660	4,930	7,840	4,560	1,600	1,870	*1,600	5,400	910	1,420
25	430	*656	2,660	4,480	11,400	4,020	1,540	1,660	1,800	3,600	820	2,420
26	435	640	2,660	4,020	12,600	3,600	1,600	1,540	1,600	2,510	730	7,340
27	435	640	2,150	3,430	11,100	3,110	1,540	1,360	2,150	2,890	872	15,200
28	440	656	1,800	2,960	8,170	2,810	1,480	1,270	3,600	*4,740	640	12,900
29	435	667	1,540	2,660	-	2,440	1,390	1,180	3,270	2,740	640	7,510
30	426	667	1,360	2,290	-	2,220	10,700	1,120	2,080	2,010	640	4,660
31	417	-	5,560	2,080	-	2,080	-	1,060	-	1,660	596	-
Total	14,531	17,607	43,988	118,200	155,390	114,170	98,370	195,240	43,440	107,940	29,005	87,254
Mean	469	587	1,419	3,813	5,550	3,683	3,279	6,298	1,448	3,482	936	2,908
Cfsm	0.248	0.311	0.751	2.02	2.94	1.95	1.73	3.33	0.766	1.84	0.495	1.54
In.	0.29	0.35	0.87	2.33	3.06	2.25	1.93	3.84	0.85	2.12	0.57	1.72

Calendar year 1952 : Max 34,600 Min 260 Mean 2,204 Cfsm 1.17 In. 15.88
Water year 1952-53 : Max 32,200 Min 390 Mean 2,809 Cfsm 1.49 In. 20.18

Peak discharge (base, 11,000 cfs).--Feb. 20 (12 p.m.) 11,200 cfs (14.0 ft); Feb. 26 (5 p.m.) 13,100 cfs (15.5 ft), May 1 (6 a.m.) 35,800 cfs (27.6 ft); July 21 (7 a.m.) 15,400 cfs (17.4 ft); Sept. 27 (10 p.m.) 16,200 cfs (17.5 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 confluence with 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 1953.

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, 1,120 cfs May 1 (gage height, 5.54 ft); minimum daily, 112 cfs Oct. 20-23, 26.
1951-53: Maximum discharge, that of May 1, 1953; minimum daily, 112 cfs Oct. 16, 1951, Oct. 20-23, 26, 1952.

Remarks.--Records good except those for period of no gage-height record, which are fair. Variable backwater from Rambulette Creek which is regulated by Upton Mill.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 9 to Feb. 19)

1.0	112
2.0	187
3.0	295
4.0	490
5.0	850

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	125	118	132	240	154	174	150	*814	158	187	205	180
2	125	118	139	192	158	174	146	355	142	174	200	230
3	122	115	158	166	150	174	146	348	146	196	200	210
4	122	115	142	150	146	174	142	310	150	215	190	200
5	122	115	139	142	136	174	142	278	150	210	180	220
6	*125	118	142	142	142	174	158	348	158	187	170	200
7	125	118	132	*142	182	162	225	310	166	178	160	190
8	128	122	128	166	174	154	205	265	178	166	150	180
9	146	118	128	200	150	154	166	235	174	174	250	175
10	139	128	136	230	142	154	353	215	166	170	230	170
11	125	139	158	210	142	170	440	210	154	158	210	158
12	122	139	142	166	142	167	310	192	154	146	190	162
13	118	128	132	150	142	178	302	187	150	146	180	154
14	*115	125	128	146	142	174	252	*182	146	146	160	154
15	115	125	128	146	230	166	205	182	150	154	180	154
16	118	125	128	142	230	158	192	174	150	234	220	*162
17	115	122	128	139	*178	154	182	174	166	440	210	154
18	115	122	128	162	154	154	178	178	162	395	200	158
19	115	139	128	192	146	166	220	178	150	348	190	178
20	112	187	146	170	154	150	200	196	200	318	180	429
21	*112	178	192	170	174	154	174	215	235	452	170	332
22	112	139	162	150	225	174	166	196	245	318	170	220
23	112	128	142	158	210	178	166	174	196	290	170	187
24	115	132	154	196	178	166	162	170	*192	245	170	196
25	115	132	192	166	225	154	166	166	158	215	165	278
26	112	132	215	150	290	154	170	162	170	196	165	415
27	115	132	182	142	260	150	170	162	215	234	160	650
28	115	*136	142	146	210	150	158	154	340	428	160	385
29	115	132	139	142	-	*146	158	154	252	*310	200	285
30	115	132	139	139	-	146	341	162	192	252	190	240
31	118	-	215	142	-	142	-	146	-	220	185	-
Total	3,705	3,909	4,596	5,094	4,966	5,039	6,145	7,192	5,365	7,502	5,760	7,006
Mean	120	130	148	164	177	163	205	232	179	242	186	234
Cfsm	1.28	1.39	1.58	1.76	1.90	1.75	2.19	2.48	1.92	2.59	1.99	2.51
In.	1.48	1.55	1.82	2.03	1.98	2.02	2.44	2.86	2.14	2.99	2.29	2.80

Calendar year 1952: Max 466 Min 112 Mean 152 Cfsm 1.63 In. 22.22
Water year 1952-53: Max 814 Min 112 Mean 182 Cfsm 1.95 In. 26.40

Peak discharge (base, 500 cfs).--Apr. 11 (1 a.m.) 550 cfs (4.20 ft); May 1 (3 a.m.) 1,120 cfs (5.54 ft); July 21 (8 a.m.) 550 cfs (4.22 ft); Sept. 20 (3 p.m.) 535 cfs (4.13 ft); Sept. 27 (9 a.m.) 705 cfs (4.65 ft).

* Discharge measurement made on this day.

Note.--No gage-height record Aug. 4 to Sept. 10; discharge estimated on basis of recorded range in stage and records for stations on nearby streams.

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 Highways 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 1953. 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 1½ miles upstream at same datum. July 1930 to June 1933 chain gage and Oct. 1, 1934, to Dec. 12, 1941, wire-weight gage, at present site and datum.

Average discharge.--21 years (1930-32, 1934-53), 3,641 cfs.

Extremes.--Maximum discharge during year, 34,500 cfs May 4 (gage height, 20.4 ft); minimum daily, 950 cfs Oct. 27.
1905-9, 1911-12, 1930-33, 1934-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 10 to Dec. 25, Mar. 25 to Apr. 11)

1.4	930	14.0	12,700
3.0	1,660	17.0	20,000
6.0	3,570	21.0	38,100
11.0	7,950		

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	1,180	1,030	1,460	4,000	3,500	16,200	*3,360	4,080	2,230	5,020	4,620	1,610
2	1,180	1,050	1,460	5,360	3,430	14,800	3,220	7,570	2,170	3,850	3,430	1,880
3	1,110	1,050	1,510	6,240	3,360	12,100	3,150	25,200	2,050	3,080	3,010	2,420
4	1,090	1,050	1,610	6,720	3,290	9,690	3,080	33,400	1,990	2,940	2,800	2,680
5	1,050	1,070	1,720	6,620	3,080	8,070	2,940	27,900	1,940	3,570	2,680	3,080
6	1,030	1,070	1,770	5,800	2,870	7,010	2,870	25,200	1,880	3,850	2,540	3,780
7	1,010	1,070	1,820	4,700	3,010	6,530	3,360	24,800	1,940	3,290	2,350	4,000
8	1,010	1,070	1,880	3,850	3,570	6,240	3,920	21,500	2,050	2,870	2,230	3,570
9	1,070	1,090	1,820	*3,850	4,460	6,060	4,300	18,300	2,110	3,010	2,290	3,150
10	1,180	1,180	1,770	4,620	4,700	5,700	4,860	15,000	2,170	3,570	2,610	2,610
11	1,220	1,270	1,770	5,700	4,460	5,100	6,620	12,300	2,230	3,780	3,010	2,110
12	1,270	1,320	1,990	6,620	3,920	4,780	8,310	10,300	2,170	3,290	2,680	1,880
13	1,220	1,270	2,230	7,110	3,570	*5,020	11,200	8,700	2,420	2,740	2,350	1,720
14	1,220	1,320	2,110	7,310	3,570	5,270	12,100	*6,820	2,680	2,350	2,170	1,660
15	1,180	1,320	2,110	7,110	4,300	5,360	10,800	5,100	2,350	2,110	1,990	1,560
16	1,180	1,270	1,990	6,440	5,520	5,270	9,540	4,380	2,050	2,050	1,880	1,510
17	1,180	1,270	1,880	4,860	6,720	4,860	8,440	3,920	1,990	2,480	1,820	*1,460
18	1,140	1,270	1,770	3,780	7,950	4,460	7,620	3,710	2,230	3,920	1,820	1,460
19	1,110	1,270	1,660	3,710	9,250	4,150	6,720	3,570	2,420	5,800	1,820	1,460
20	1,090	1,460	1,660	4,380	9,250	4,300	5,270	3,640	2,420	7,410	1,940	2,110
21	*1,070	1,660	1,770	5,180	7,840	5,100	4,380	4,300	2,870	10,500	1,990	4,620
22	1,050	1,770	2,290	5,440	6,060	5,880	4,000	4,700	3,710	12,500	2,050	5,880
23	1,030	1,720	2,610	5,700	5,980	6,160	3,640	4,460	4,000	13,700	2,170	5,880
24	1,010	2,230	2,540	5,980	6,820	6,160	3,430	3,920	3,360	15,300	2,050	4,620
25	1,050	1,560	2,740	6,160	7,950	6,060	3,220	3,570	2,940	14,100	1,940	3,570
26	1,010	1,510	3,430	6,440	9,390	5,880	3,080	3,220	3,010	11,900	1,820	4,380
27	950	1,460	3,920	6,340	11,400	5,620	3,080	2,940	3,080	9,250	1,720	7,510
28	1,030	*1,410	3,710	5,800	14,600	4,940	3,010	2,740	3,780	6,720	1,660	9,690
29	1,010	1,460	3,290	4,940	-	4,300	2,870	2,540	4,620	6,160	1,660	13,300
30	1,010	1,460	2,740	4,220	-	3,850	2,800	2,420	5,270	6,720	1,660	18,000
31	1,010	-	2,610	3,710	-	3,500	-	2,290	-	*6,530	1,660	-
Total	33,950	40,010	67,640	168,690	163,820	198,420	155,190	302,490	80,130	184,360	70,420	123,160
Mean	1,095	1,334	2,182	5,442	5,851	6,401	5,173	9,758	2,671	5,947	2,272	4,105
Cfsm	0.378	0.460	0.752	1.88	2.02	2.21	1.78	3.36	0.921	2.05	0.783	1.42
In.	0.44	0.51	0.87	2.17	2.10	2.55	1.99	3.87	1.03	2.36	0.90	1.58

Calendar year 1952: Max 33,900 Min 950 Mean 3,448 Cfsm 1.19 In. 16.20
Water year 1952-53: Max 33,400 Min 950 Mean 4,351 Cfsm 1.50 In. 20.37

Peak discharge (base, 13,000 cfs).--Mar. 1 (12 m.) 16,500 cfs (15.7 ft); May 4 (6 a.m.) 34,500 cfs (20.4 ft); July 24 (1 p.m.) 15,300 cfs (15.2 ft); Sept. 30 (2 p.m.) 18,600 cfs (16.5 ft).
* 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 1953.

Gage.--Water-stage recorder. Datum of gage is 193.29 ft above mean sea level, datum of 1929, supplementary adjustment of 1936.

Average discharge.--21 years (1930-32, 1934-53), 4,577 cfs.

Extremes.--Maximum discharge during year, 32,100 cfs May 7 (gage height, 22.5 ft); minimum daily, 456 cfs Oct. 26.
1930-33, 1934-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.3	445	8.0	7,720
2.0	905	10.0	10,500
4.0	2,760	12.0	13,400
6.0	5,080	16.0	19,600
7.0	6,370	23.0	33,400

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	1,800	1,190	1,840	3,640	5,850	14,300	5,200	4,720	2,370	5,200	7,300	2,490
2	1,800	477	1,890	4,360	5,850	16,100	5,080	6,110	3,090	5,200	6,240	2,520
3	1,800	1,050	1,940	5,690	5,720	18,000	4,480	6,240	2,710	3,880	5,590	2,500
4	1,800	1,190	1,890	5,720	4,600	16,200	3,880	15,200	2,650	3,880	4,240	2,530
5	804	1,260	1,940	5,720	3,530	16,700	3,200	24,200	2,650	3,760	3,260	2,480
6	1,240	1,250	1,940	5,720	3,760	12,800	3,530	29,800	2,510	3,880	2,840	1,080
7	1,800	1,230	1,570	5,850	4,720	6,370	5,330	31,800	958	4,240	2,690	3,310
8	1,510	1,220	1,840	5,850	5,330	7,160	5,330	30,800	2,280	4,240	2,500	4,000
9	1,510	548	1,990	5,850	4,240	8,000	5,200	30,800	2,660	4,720	816	4,000
10	1,510	1,070	2,090	5,850	5,330	7,300	6,240	26,300	2,560	6,110	2,320	4,000
11	1,540	1,460	2,040	5,850	5,720	8,280	6,110	18,600	2,560	5,330	2,750	3,200
12	790	1,600	1,990	5,850	5,850	6,760	7,440	15,500	2,630	2,290	2,950	3,090
13	1,250	1,600	2,040	6,240	5,720	6,370	10,900	12,500	2,420	3,200	2,960	1,190
14	1,510	1,580	1,660	7,580	4,560	6,370	13,000	9,820	1,030	3,420	3,010	2,280
15	1,510	1,610	1,940	8,000	4,960	6,370	12,100	8,560	*2,310	3,310	2,690	2,580
16	1,620	922	2,090	7,720	6,110	*7,020	14,000	6,750	2,660	2,830	1,260	2,480
17	1,580	1,200	2,140	7,440	7,860	7,440	12,800	6,370	2,650	3,880	2,460	2,490
18	1,540	1,480	2,240	6,110	8,560	6,240	10,400	4,840	2,640	2,980	2,760	2,490
19	779	1,560	2,240	5,850	9,680	6,240	10,800	3,420	2,680	3,880	2,700	2,320
20	1,440	1,530	*2,240	5,330	11,500	6,240	8,700	4,840	2,480	5,720	2,670	1,300
21	1,760	1,490	1,700	4,840	10,800	6,240	6,240	5,330	1,090	7,720	2,580	2,770
22	1,770	1,520	2,090	5,720	11,200	6,240	6,240	5,080	2,500	10,100	2,540	5,850
23	1,850	1,660	*2,290	6,500	10,700	6,240	5,460	5,980	4,240	12,800	981	5,850
24	1,610	1,890	3,760	7,440	6,240	6,370	3,880	5,080	4,240	13,600	2,260	5,850
25	1,600	1,940	4,840	7,580	7,860	7,720	4,120	4,240	4,360	14,300	2,540	5,980
26	456	2,390	4,840	7,580	13,000	7,300	3,530	3,200	4,240	15,000	2,540	6,890
27	1,410	2,290	5,590	7,300	10,900	6,370	3,880	3,880	4,000	13,200	2,700	13,700
28	1,740	2,440	5,460	7,580	11,100	6,890	3,880	3,760	2,980	11,100	2,560	12,100
29	1,310	2,140	4,720	7,020	-	6,240	3,880	3,090	3,420	7,720	2,440	11,800
30	1,210	1,570	3,530	6,110	-	6,110	3,420	2,980	5,200	7,020	828	11,900
31	1,200	-	3,640	5,980	-	6,110	-	1,090	-	6,760	2,150	-
Total	45,049	44,357	82,010	193,770	201,050	262,090	198,250	340,890	84,768	201,270	88,125	135,020
Mean	1,453	1,479	2,645	6,251	7,180	8,455	6,608	11,000	2,826	6,493	2,843	4,501
Cfsm	0.376	0.383	0.685	1.62	1.86	2.19	1.71	2.85	0.732	1.68	0.737	1.17
In.	0.43	0.43	0.79	1.87	1.94	2.52	1.91	3.29	0.82	1.94	0.85	1.30

Calendar year 1952: Max 27,500 Min 240 Mean 4,263 Cfsm 1.10 In. 15.02
Water year 1952-53: Max 31,800 Min 456 Mean 5,142 Cfsm 1.33 In. 18.09

* 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 1953.

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, 6,000 cfs May 4 (gage height, 8.80 ft); minimum, 44 cfs Oct. 4-6 (gage height, 2.18 ft).
1951-53: Maximum discharge, that of May 4, 1953; minimum, 38 cfs July 20, 21, 1952.

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 26 to July 16, July 26 to Sept. 19)

2.1	42	5.0	390
2.5	58	5.5	570
3.0	89	6.0	860
3.5	132	6.5	1,300
4.0	196	7.0	1,900
4.5	278	8.1	3,950

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	50	62	93	308	242	525	196	326	100	251	104	78
2	48	64	104	329	298	390	*269	1,140	100	196	100	77
3	47	65	156	278	269	340	210	2,340	90	196	*98	87
4	45	65	156	203	218	329	189	*3,860	80	182	90	86
5	44	64	150	168	189	468	168	1,460	90	182	82	83
6	45	65	162	150	182	468	182	1,300	100	182	76	127
7	46	67	144	144	288	340	468	1,060	120	144	72	108
8	48	68	117	*196	378	278	505	860	120	132	68	86
9	56	68	108	298	405	260	485	645	110	156	93	73
10	67	83	122	390	278	242	390	505	130	189	84	*66
11	69	108	175	465	210	318	390	420	160	168	76	62
12	66	112	175	420	196	390	670	*352	130	127	71	60
13	62	100	138	260	196	420	700	318	110	104	69	58
14	60	90	117	196	196	435	1,020	298	100	98	67	57
15	*58	86	108	182	430	420	645	269	90	98	67	56
16	57	86	104	175	595	340	390	242	100	126	67	58
17	57	85	100	168	760	318	308	226	110	226	91	60
18	56	83	98	189	*435	278	278	218	100	361	144	58
19	54	98	98	196	278	298	420	218	150	505	138	60
20	53	226	104	352	251	318	525	469	200	390	156	240
21	51	242	144	340	269	288	485	670	300	269	122	352
22	49	203	162	308	352	260	340	405	400	260	98	420
23	49	132	162	308	525	260	260	288	450	260	86	212
24	51	104	168	329	570	251	234	226	500	226	89	112
25	54	99	242	329	450	234	218	132	*500	175	86	168
26	54	*98	329	298	620	218	234	175	420	138	74	456
27	55	104	318	226	1,020	203	234	156	378	112	77	1,110
28	56	108	242	203	790	203	210	132	595	117	88	1,520
29	56	100	162	189	-	196	182	117	485	127	108	900
30	*56	95	150	182	-	189	189	108	420	127	104	485
31	57	-	242	182	-	175	-	104	-	122	89	-
Total	1,676	3,030	4,850	7,981	10,890	9,652	10,994	19,039	6,738	5,946	2,834	7,375
Mean	54.1	101	156	257	389	311	366	614	225	192	91.4	246
Cfsm	0.275	0.513	0.792	1.30	1.97	1.58	1.86	3.12	1.14	0.975	0.464	1.25
In.	0.32	0.57	0.91	1.50	2.05	1.82	2.08	3.60	1.27	1.12	0.53	1.40

Calendar year 1952: Max 1,840 Min 40 Mean 177 Cfsm 0.898 In. 12.22
Water year 1952-53: Max 3,860 Min 44 Mean 249 Cfsm 1.26 In. 17.17

Peak discharge (base, 900 cfs).--Feb. 17 (2 a.m.) 900 cfs (6.06 ft); Feb. 27 (8 a.m.) 1,060 cfs (6.27 ft); Apr. 14 (7 a.m.) 1,160 cfs (6.34 ft); May 4 (1 a.m.) 6,000 cfs (8.80 ft); May 20 (11 p.m.) 1,020 cfs (6.21 ft); Sept. 28 (5 a.m.) 1,710 cfs (6.86 ft).

* Discharge measurement made on this day.

Note.--No gage height record June 1-25; discharge estimated on basis of weather records, recorded range in stage and records for stations on nearby streams.

Flint River at Albany, Ga.

Location.--Lat 31°36', long. 84°09', on right bank at downstream side of Georgia Northern Railway bridge at 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 1953. 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.--42 years (1902-20, 1929-53), 6,387 cfs.

Extremes.--Maximum discharge during year, 41,400 cfs May 8 (gage height, 26.3 ft); minimum daily, 950 cfs Nov. 9.
1902-21, 1929-53: 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 25 to July 20, Aug. 2 to Sept. 26)

2.4	920	8.0	8,890
3.0	1,350	14.0	18,000
4.0	2,290	20.0	26,500
6.0	5,230	27.0	43,900

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	2,180	1,470	2,290	4,890	7,050	16,000	6,860	5,580	2,650	7,810	8,350	3,320
2	2,180	1,020	2,070	4,890	7,240	18,600	5,940	7,620	3,610	8,710	7,430	3,180
3	1,970	1,120	2,290	7,050	7,240	20,900	5,940	7,430	3,460	5,060	6,860	3,320
4	2,020	1,390	2,290	6,860	6,860	20,200	4,390	14,300	2,980	5,400	4,390	3,320
5	1,470	1,470	2,530	6,860	4,070	20,200	5,400	23,000	3,110	5,060	4,230	3,390
6	1,350	1,510	2,590	6,670	4,550	18,500	3,910	31,500	3,840	5,230	3,760	2,590
7	2,180	1,470	2,590	6,480	5,940	8,170	6,860	38,600	2,650	5,760	3,460	3,390
8	1,560	1,510	2,410	6,120	7,990	9,240	6,670	41,100	2,720	5,580	*3,180	4,550
9	1,830	950	2,530	6,670	4,890	11,600	7,050	40,100	3,390	5,940	2,720	5,060
10	1,780	1,270	2,720	7,240	7,050	8,530	8,710	38,000	3,320	8,350	2,290	5,060
11	1,770	1,470	2,840	7,050	7,620	11,400	9,410	28,400	3,390	7,240	2,780	4,230
12	1,680	1,950	2,590	7,240	7,430	9,240	9,750	23,000	3,390	5,230	3,320	3,840
13	980	2,180	2,720	7,240	7,430	8,530	13,700	17,700	3,390	4,230	3,460	3,040
14	1,920	1,910	2,290	6,890	6,670	8,890	16,600	13,900	2,630	4,720	3,540	2,130
15	1,820	1,830	2,530	9,410	4,890	8,890	15,300	10,800	2,540	4,550	3,460	3,110
16	1,820	1,810	2,910	9,580	8,710	*9,070	17,900	8,530	3,390	4,070	2,910	2,650
17	1,970	1,480	2,590	8,890	9,750	11,400	14,900	8,530	3,390	4,550	2,410	2,530
18	1,820	1,840	2,720	8,170	12,700	8,170	13,900	6,120	3,390	4,390	2,910	2,780
19	1,590	2,150	2,650	7,240	11,700	8,530	13,600	4,550	3,540	4,890	3,180	2,910
20	1,190	2,290	2,840	7,050	15,200	8,710	13,300	5,760	3,460	6,670	3,250	2,780
21	1,870	1,920	2,590	4,720	14,500	8,170	8,350	7,810	3,040	10,100	3,320	2,780
22	1,870	2,130	2,410	7,430	13,900	8,890	7,620	6,860	2,580	12,800	3,320	7,430
23	1,870	2,350	*2,980	7,620	13,900	8,170	8,710	10,300	4,230	15,200	3,180	7,620
24	2,020	2,130	3,250	8,710	8,890	7,430	4,890	8,350	5,230	16,000	2,590	7,240
25	2,020	2,720	4,890	10,600	8,350	9,920	5,580	6,860	5,580	16,700	3,460	7,430
26	1,050	2,590	5,400	8,530	16,600	9,750	4,890	4,890	5,940	17,300	2,840	8,890
27	1,120	3,110	7,620	10,100	14,000	7,050	5,580	5,760	5,940	16,700	3,250	15,200
28	1,920	3,390	6,670	8,530	13,900	8,890	5,230	5,060	5,580	13,600	3,460	17,000
29	1,720	3,110	6,670	9,580	-	7,240	4,550	3,760	6,120	9,920	3,460	15,600
30	1,390	2,120	4,390	7,620	-	7,430	4,550	3,910	7,620	7,810	1,640	16,500
31	1,350	-	3,990	6,860	-	7,430	-	3,180	-	7,430	2,020	-
Total	53,280	57,660	101,850	234,790	259,020	335,140	260,040	441,260	116,100	257,000	110,430	172,870
Mean	1,719	1,922	3,285	7,574	9,251	10,810	8,668	14,230	3,870	8,290	3,562	5,762
Cfsm	0.329	0.367	0.628	1.45	1.77	2.07	1.66	2.72	0.740	1.59	0.681	1.10
In.	0.38	0.41	0.72	1.67	1.84	2.39	1.85	3.14	0.83	1.83	0.79	1.23

Calendar year 1952: Max 31,800 Min 725 Mean 5,405 Cfsm 1.03 In. 14.06
Water year 1952-53: Max 41,100 Min 950 Mean 6,574 Cfsm 1.26 In. 17.08

* Discharge measurement made on this day.

Ichawaynochaway Creek at Milford, Ga.

Location.--Lat 31°22', long. 84°32', on downstream end of left bank pier of highway bridge (relocated) at Milford, Baker County, 2¼ 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 1953.

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, 1953, water-stage recorder, at site 100 ft downstream at present datum.

Average discharge.--14 years (1939-53), 837 cfs.

Extremes.--Maximum discharge during year, 3,800 cfs May 8 (gage height, 7.6 ft); minimum, 203 cfs Oct. 6.
1905-7, 1939-53: Maximum discharge, 10,100 cfs Jan. 21, 1943 (gage height, 13.9 ft); minimum, 138 cfs Sept. 1, 1951.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Moderate diurnal fluctuation at low flow.

Revisions.--WSP 922: Drainage area.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1 to Jan. 26)

Oct. 1 to Dec. 4		Dec. 5 to Sept. 30			
1.0	175	1.0	176	3.0	1,350
1.6	462	1.5	392	5.0	2,300
		2.0	685	8.0	4,090

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	248	214	288	666	685	1,240	578	646	382	1,150	478	347
2	248	221	283	666	737	1,180	*590	633	362	911	446	333
3	229	225	288	672	820	1,080	590	640	342	626	*424	319
4	214	225	312	659	911	1,010	590	646	333	590	441	328
5	214	225	377	590	943	967	548	672	328	478	451	333
6	206	237	424	524	935	927	554	1,300	367	430	414	314
7	210	229	446	489	975	951	704	*3,140	446	451	372	301
8	229	233	*462	462	1,080	1,150	828	*3,660	560	578	352	288
9	252	257	468	500	1,120	1,050	865	3,200	666	895	339	267
10	279	240	441	659	1,120	828	943	2,800	640	1,300	324	254
11	297	244	441	771	1,150	872	1,010	2,150	440	1,580	305	238
12	302	283	542	850	1,050	1,080	1,120	1,630	420	2,000	301	234
13	288	322	646	872	903	1,180	1,400	1,240	410	1,800	296	230
14	279	357	626	*813	806	1,270	1,670	975	400	1,120	288	222
15	297	332	500	698	919	1,270	1,630	828	410	659	279	222
16	322	302	419	633	1,180	1,180	1,450	718	420	572	279	*218
17	283	292	382	560	1,350	1,050	1,150	666	440	506	296	222
18	248	288	367	530	1,540	975	858	*626	430	484	305	222
19	240	297	357	608	*1,580	927	820	584	420	548	414	246
20	233	312	352	678	1,450	919	850	572	410	724	484	408
21	218	342	372	750	1,220	1,010	960	718	400	1,050	462	778
22	*214	388	382	813	1,120	1,080	900	806	380	1,240	446	1,240
23	210	430	403	828	1,150	935	790	1,150	370	1,300	435	1,350
24	214	418	424	880	*1,150	865	720	1,900	360	1,080	387	1,220
25	218	348	441	919	1,150	792	680	1,760	370	1,010	352	880
26	218	302	518	911	1,180	737	720	1,010	771	1,080	333	835
27	218	292	602	895	1,240	692	700	620	1,050	1,010	319	1,350
28	210	288	685	828	1,270	659	650	560	1,220	792	333	1,950
29	214	288	730	764	-	640	666	512	*1,050	652	382	2,600
30	214	292	704	724	-	614	640	387	1,120	560	403	2,550
31	210	-	652	678	-	602	-	408	-	495	382	-
Total	7,476	8,683	14,334	21,890	30,734	29,732	26,174	37,157	15,717	27,671	11,522	20,299
Mean	241	289	462	706	1,098	959	872	1,199	524	893	372	677
Cfsm	0.389	0.466	0.745	1.14	1.77	1.55	1.41	1.93	0.845	1.44	0.600	1.09
In.	0.45	0.52	0.86	1.31	1.84	1.79	1.57	2.22	0.94	1.66	0.69	1.22

Calendar year 1952: Max 2,460 Min 172 Mean 559 Cfsm 0.902 In. 12.27
Water year 1952-53: Max 3,660 Min 206 Mean 689 Cfsm 1.11 In. 15.07

Peak discharge (base, 3,000 cfs).--May 8 (4 a.m.) 3,800 cfs (7.6 ft).
* Discharge measurement made on this day.
Note.--No gage-height record Apr. 21-28, June 10-25; 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 and at mile 29.0.

Drainage area.--7,350 sq mi, approximately.

Records available.--January 1908 to December 1913, December 1928 to September 1953. 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 same site at datum 0.3 ft higher.

Average discharge.--29 years (1908-13, 1929-53), 8,568 cfs.

Extremes.--Maximum discharge during year, 37,900 cfs May 11 (gage height, 27.0 ft); minimum, 2,490 cfs Nov. 11.
1908-13, 1928-53: Maximum discharge, 83,200 cfs Mar. 21, 1929 (gage height, 37.73 ft); minimum, 1,960 cfs Sept. 18, 19, 1951.
Maximum stage known, 40.9 ft, present datum, Jan. 24, 1925 (discharge, 101,000 cfs, from rating curve extended above 70,000 cfs).

Remarks.--Records good. Some regulation by powerplants above station. Capacity of reservoirs insufficient to materially affect figures of monthly runoff.

Revisions (water years).--WSP 697: 1908-13. WSP 822: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

4.4	2,630	18.0	18,900
6.0	3,840	22.0	25,800
10.0	7,720	27.0	37,900
14.0	12,900		

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	3,520	2,840	3,760	5,620	8,680	15,700	9,800	8,200	6,950	8,920	10,600	4,000
2	3,680	2,840	3,520	5,720	8,680	16,600	9,410	8,560	6,120	9,280	10,600	4,880
3	3,680	2,770	*3,520	5,820	8,800	18,100	8,800	9,540	6,520	9,540	9,930	4,970
4	3,520	2,630	3,440	6,840	8,800	19,500	8,680	10,200	6,420	8,200	*9,410	5,060
5	3,440	2,700	3,520	7,060	8,680	20,500	7,960	13,300	6,120	7,610	8,080	5,060
6	3,440	2,840	3,600	7,060	7,390	20,500	*7,960	18,600	6,020	7,280	7,280	5,150
7	2,980	2,840	3,680	7,060	7,060	19,700	7,390	22,900	6,420	7,170	6,730	4,970
8	3,280	2,840	3,760	6,950	7,840	15,100	8,800	27,600	6,020	7,390	6,320	4,970
9	3,360	2,840	3,680	6,950	9,040	13,500	9,160	32,200	5,620	7,610	6,120	5,620
10	3,200	2,770	3,760	7,170	8,320	14,000	9,670	35,600	6,220	7,960	5,720	6,120
11	3,280	2,630	3,760	7,500	8,680	12,800	10,400	37,300	6,220	9,280	5,150	6,120
12	3,280	2,770	3,920	7,720	9,410	13,500	11,100	37,000	6,120	9,670	5,150	5,920
13	3,200	2,980	3,920	7,840	9,410	12,900	13,800	32,900	6,020	9,040	5,420	5,520
14	3,050	3,280	3,840	8,080	9,280	12,300	14,400	28,000	5,920	8,080	5,520	5,240
15	3,050	3,280	3,920	8,560	9,040	12,300	16,800	21,500	5,620	7,720	5,520	4,250
16	3,280	3,120	3,680	*9,160	8,320	12,300	17,500	17,400	5,060	7,280	5,520	*4,700
17	3,200	3,200	3,760	9,280	9,540	12,300	18,100	14,600	5,620	6,840	5,240	4,700
18	3,440	2,980	3,840	9,160	10,800	*13,200	17,600	13,300	5,720	6,840	4,790	4,250
19	3,280	3,050	3,680	8,920	12,300	12,200	18,100	*11,800	5,620	6,840	4,880	4,430
20	3,050	3,200	3,920	8,440	12,900	11,800	16,000	10,200	5,720	6,950	5,240	4,700
21	2,910	3,520	3,840	8,320	14,500	11,600	15,600	9,930	5,720	8,080	5,330	4,790
22	3,050	3,280	3,840	7,390	15,100	11,200	13,300	11,400	5,620	10,200	5,330	4,880
23	3,200	3,280	3,680	8,080	15,000	11,400	12,200	11,100	5,060	12,300	5,330	7,170
24	*3,280	3,440	3,840	8,800	14,800	11,100	11,900	12,800	5,920	14,500	5,240	8,320
25	3,360	3,600	4,080	9,280	12,900	10,800	10,200	12,900	6,620	15,700	4,790	8,440
26	3,280	3,600	4,880	10,400	11,900	11,600	9,930	11,600	7,170	16,400	5,150	8,800
27	3,050	3,760	5,420	10,100	15,200	11,600	9,280	9,930	7,610	17,000	5,060	9,670
28	2,630	3,840	6,620	10,300	15,800	10,600	8,920	9,160	7,960	17,200	4,970	13,600
29	2,980	4,080	6,730	9,930	-	10,700	8,800	8,800	7,960	15,800	5,150	16,300
30	3,120	4,160	6,840	10,100	-	10,100	8,440	7,960	*8,200	12,100	5,240	17,000
31	2,980	-	6,120	9,540	-	9,930	-	7,390	-	11,200	4,790	-
Total	100,050	94,960	130,370	253,150	298,170	419,430	350,000	523,670	187,910	309,980	189,600	199,600
Mean	3,227	3,165	4,205	8,166	10,650	13,530	11,670	16,890	6,264	9,999	6,116	6,653
Cfsm	0.439	0.431	0.572	1.11	1.45	1.84	1.59	2.30	0.852	1.36	0.832	0.905
In.	0.51	0.48	0.66	1.28	1.51	2.12	1.77	2.65	0.95	1.57	0.96	1.01

Calendar year 1952: Max 30,700 Min 2,630 Mean 7,408 Cfsm 1.01 In. 13.74
Water year 1952-53: Max 37,300 Min 2,630 Mean 8,375 Cfsm 1.14 In. 15.47

* Discharge measurement made on this day.

Spring Creek near Iron City, Ga.

Location.--Lat 31°03', long. 84°43', on right bank 125 ft below 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. Prior to Oct. 18, 1952, at highway bridge 125 ft upstream.

Drainage area.--520 sq mi, approximately.

Records available.--October 1920 to June 1921, June 1937 to September 1953.

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.--16 years (1937-53), 514 cfs.

Extremes.--Maximum discharge during year, 1,460 cfs May 10 (gage height, 10.6 ft); minimum daily, 30 cfs Nov. 5-10.
1920-21, 1937-53: 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 daily, 14 cfs Oct. 15-17, 1951.

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

Revisions (water years).--WSP 852: Drainage area. WSP 1052: 1939-40(M), 1942(M), 1944(M).

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Jan. 15-30, Mar. 1 to June 11)

1.4	26	5.0	332
2.0	58	8.0	820
3.0	129	11.0	1,700

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	62	32	42	a70	240	800	358	530	200	225	290	141
2	58	32	*42	a80	235	800	345	514	186	200	284	129
3	56	32	42	a80	235	800	332	483	172	181	268	121
4	53	31	42	a75	240	761	320	453	163	158	*240	117
5	50	30	42	a75	246	723	296	439	158	141	210	137
6	47	30	42	a70	268	686	*332	483	163	137	190	163
7	57	30	44	a65	332	704	614	614	163	145	181	154
8	55	30	44	a70	384	704	761	742	172	133	168	154
9	57	30	44	a60	425	668	820	1,050	172	141	163	181
10	56	30	45	a90	468	614	860	1,390	172	158	150	158
11	53	31	47	a100	514	632	860	1,390	181	186	141	125
12	52	32	48	a110	563	668	900	1,210	176	210	133	113
13	51	32	48	a120	597	686	1,100	975	163	240	125	102
14	50	32	47	a130	580	742	1,210	800	158	256	117	98
15	48	33	47	*137	597	800	1,240	686	163	290	109	94
16	48	32	49	141	614	840	1,240	597	168	290	105	*90
17	46	32	51	137	632	840	1,240	530	168	246	113	88
18	43	32	49	129	686	780	1,150	483	176	220	109	84
19	41	35	47	133	761	723	1,020	*439	176	215	113	84
20	40	42	47	133	840	668	860	411	168	230	200	98
21	38	48	48	141	860	632	761	397	158	278	246	109
22	37	52	50	154	820	614	686	371	145	397	230	141
23	*36	53	53	168	780	597	632	345	137	483	200	154
24	*35	52	54	190	742	580	580	332	129	530	195	125
25	35	50	57	210	*780	563	563	320	137	530	190	109
26	34	48	61	230	820	530	580	332	158	498	168	145
27	34	47	64	246	860	498	563	332	215	468	154	225
28	34	45	65	251	860	468	546	290	256	468	172	268
29	32	44	65	251	-	439	546	256	240	453	172	332
30	32	44	65	251	-	411	530	235	*246	411	163	397
31	32	-	a65	256	-	384	-	215	-	332	154	-
Total	1,402	1,123	1,556	4,373	15,979	20,355	21,845	17,644	5,239	8,850	5,453	4,436
Mean	45.2	37.4	50.2	141	571	657	728	569	175	285	176	148
Cfsm	0.087	0.072	0.097	0.271	1.10	1.26	1.40	1.09	0.337	0.584	0.338	0.285
In.	0.10	0.08	0.11	0.31	1.14	1.45	1.56	1.26	0.38	0.63	0.39	0.32

Calendar year 1952: Max 2,260 Min 30 Mean 355 Cfsm 0.683 In. 9.29
Water year 1952-53: Max 1,390 Min 30 Mean 297 Cfsm 0.571 In. 7.73

* 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.

Apalachicola River at Chattahoochee, Fla.

Location.--Lat 30°43', long. 84°51', in sec. 32, T. 4 N., R. 6 W., near center of span on upstream side of bridge on U. S. Highway 90, four-fifths of a mile downstream from confluence of Flint and Chattahoochee Rivers and 1 mile west of Chattahoochee.

Drainage area.--17,100 sq mi, approximately.

Records available.--December 1928 to September 1953. 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.--Wire-weight gage read twice daily. 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 at same site and datum.

Average discharge.--25 years, 22,190 cfs.

Extremes.--Maximum discharge during year, 91,300 cfs May 7, 8 (gage height, 21.39 ft); minimum, 6,450 cfs Nov. 11 (gage height, -0.58 ft).
1928-53: Maximum discharge, 293,000 cfs Mar. 20, 1929 (gage height, 34.70 ft, site and datum then in use), from rating curve extended above 200,000 cfs; minimum, 5,120 cfs Nov. 5, 11, 1931; minimum gage height, -1.70 ft Nov. 5, 1931, site and datum then in use.

Remarks.--Records good except those for period of doubtful gage-height record, which are fair.

Rating tables, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Dec. 4-9)

Oct. 1 to Dec. 3		Dec. 4 to Sept. 30			
-0.6	6,420	0.1	7,800	16.0	52,000
.9	8,900	4.0	15,900	18.0	62,600
		8.0	25,200	21.4	91,400
		12.0	36,200		

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	7,750	6,660	8,620	15,000	22,200	53,800	23,700	24,600	18,200	20,000	24,300	10,600
2	7,710	6,630	8,160	17,500	21,200	47,400	22,800	41,000	16,500	19,700	22,100	10,100
3	7,890	6,740	7,910	20,100	21,000	40,900	21,700	50,100	*14,800	19,500	20,800	10,700
4	7,890	6,550	7,960	18,600	20,700	37,500	20,700	58,700	15,200	19,200	19,100	11,300
5	7,670	*6,500	8,680	18,000	19,600	37,300	19,900	71,000	15,300	18,400	17,400	11,500
6	7,420	6,560	9,160	17,600	18,900	36,800	19,400	84,700	15,000	18,400	16,800	11,500
7	7,260	6,590	9,800	17,300	19,300	39,900	20,000	91,000	15,400	18,500	16,400	11,000
8	7,040	6,640	10,200	16,900	21,600	38,900	21,600	90,300	15,400	17,700	16,000	10,400
9	7,300	6,640	10,200	17,900	23,500	33,800	25,300	84,300	14,100	17,500	15,300	10,600
10	7,280	6,570	10,200	20,400	23,000	31,700	26,000	76,700	13,700	20,000	14,600	10,900
11	7,320	6,450	10,400	26,200	21,000	*31,000	28,400	69,900	14,900	21,100	13,000	11,100
12	7,440	6,560	11,500	32,200	21,100	31,000	34,500	64,400	15,000	23,000	11,900	11,100
13	7,340	6,660	12,100	34,600	20,900	31,200	39,600	58,500	15,000	21,800	12,100	10,900
14	7,260	6,840	13,100	34,300	21,000	31,000	44,900	53,700	14,900	19,300	12,400	10,400
15	7,080	6,940	13,600	33,800	22,200	31,500	49,200	47,800	14,700	17,000	12,300	9,700
16	7,180	6,970	12,800	31,300	27,300	31,400	46,500	41,700	13,700	16,600	12,200	9,280
17	7,200	6,960	*11,300	27,200	32,000	30,400	41,800	36,500	13,300	*17,900	12,100	9,480
18	7,140	6,820	11,500	23,600	33,600	29,200	38,500	32,400	14,800	19,900	11,400	9,280
19	7,220	6,600	12,100	23,600	31,100	28,500	36,200	28,400	15,500	20,800	10,900	9,140
20	7,120	6,850	12,200	26,800	27,700	26,800	36,500	25,400	16,000	*20,200	12,700	9,640
21	6,850	7,690	12,200	28,400	26,300	25,800	38,900	25,700	15,900	19,900	14,000	10,800
22	6,690	8,210	11,800	26,600	28,900	26,200	*36,900	27,700	15,500	22,200	14,000	12,000
23	6,820	8,630	11,400	26,100	33,600	26,200	32,300	28,200	14,100	26,800	13,300	12,200
24	7,040	8,600	10,800	25,700	39,000	26,100	27,900	27,600	13,900	31,200	12,500	13,300
25	7,420	8,200	10,500	26,100	41,400	26,200	25,600	26,700	14,700	33,400	*11,800	13,500
26	7,260	7,870	12,600	25,900	42,500	26,800	24,600	24,900	16,600	32,500	11,300	14,800
27	7,090	7,960	15,100	25,900	49,600	27,000	24,000	22,700	17,200	31,200	11,500	19,200
28	6,740	8,410	17,000	25,400	54,400	26,600	24,500	20,700	18,900	30,800	11,700	*28,000
29	6,550	8,710	16,800	*24,700	-	25,900	20,300	20,300	20,100	30,600	12,000	34,500
30	6,640	8,880	15,200	23,700	-	25,500	18,700	19,800	20,700	30,000	12,100	36,000
31	6,740	-	14,700	23,000	-	24,500	-	18,900	-	27,600	11,800	-
Total	223,350	216,890	359,590	754,400	784,600	986,800	890,900	1,394,300	469,000	702,500	439,800	402,920
Mean	7,205	7,230	11,600	24,340	28,020	31,830	29,700	44,980	15,630	22,660	14,190	13,430
Cfsm	0.421	0.423	0.678	1.42	1.64	1.86	1.74	2.63	0.914	1.33	0.830	0.785
In.	0.49	0.47	0.78	1.64	1.71	2.15	1.94	3.03	1.02	1.53	0.96	0.88

Calendar year 1952: Max 86,100 Min 6,450 Mean 19,200 Cfsm 1.12 In. 15.25
Water year 1952-53: Max 91,000 Min 6,450 Mean 20,890 Cfsm 1.22 In. 16.60

* Discharge measurement made on this day.
Note.--Doubtful gage-height record Dec. 15 to Jan. 10; discharge based on graph of observer's readings, records for Flint River at Bainbridge, Ga., and Chattahoochee River at Columbia, Ala., and gage-height records for U. S. Weather Bureau station at Blountstown, Fla.

Chipola River near Altha, Fla.

Location (revised).--Lat 30°32'02", long. 85°09'55", in NW¼ 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.--844 sq mi.

Records available.--November 1912 to December 1913, September 1921 to September 1927, August 1929 to September 1931, March 1943 to September 1953.

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.--18 years (1921-27, 1929-31, 1943-53), 1,563 cfs.

Extremes.--Maximum discharge during year, 4,720 cfs Apr. 13 (gage height, 19.12 ft); minimum, 515 cfs Nov. 4, 5, 7, 8 (gage height, 8.54 ft).
1912-13, 1921-27, 1929-31, 1943-53: Maximum discharge, 25,000 cfs Sept. 20, 1926 (gage height, 33.55 ft, from floodmarks), by slope-area determination of peak flow; minimum, 425 cfs Oct. 17-20, 1951.

Remarks.--Records excellent.

Revisions.--WSP 1002: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

8.5	495	12.0	1,990
9.0	745	15.0	3,070
10.0	1,260	19.0	4,660
11.0	1,660		

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	670	545	540	670	945	2,110	1,220	1,990	935	860	895	785
2	660	545	540	665	940	2,020	1,190	1,920	915	850	865	755
3	640	530	540	670	965	1,950	1,170	1,820	*910	780	825	735
4	625	*520	540	655	960	1,880	1,150	1,710	905	765	805	700
5	610	520	555	660	950	1,770	1,120	1,620	900	805	785	700
6	620	525	555	655	1,040	1,670	1,500	1,740	915	805	770	735
7	660	520	555	650	1,710	1,600	3,100	2,270	940	845	825	720
8	615	515	555	650	1,810	1,560	3,040	2,430	945	890	830	705
9	625	530	555	755	1,760	1,550	2,920	2,470	955	890	830	710
10	625	520	575	790	1,680	*1,560	2,920	2,480	970	920	805	705
11	615	550	585	810	1,610	1,890	3,120	2,470	960	855	785	670
12	605	545	575	820	1,590	1,970	3,680	2,380	940	840	775	665
13	605	535	575	815	1,580	1,920	4,640	2,220	935	*835	755	655
14	600	535	570	825	1,530	1,880	4,280	2,020	920	820	740	645
15	600	530	565	840	2,150	2,040	3,790	1,820	925	820	745	645
16	595	525	*555	840	2,410	2,380	3,640	1,650	945	875	775	645
17	590	525	555	820	2,280	2,420	3,630	1,530	935	1,000	785	635
18	575	525	550	815	2,140	2,350	3,570	1,420	920	955	840	635
19	570	535	550	885	2,040	2,220	3,400	1,340	890	970	815	655
20	565	625	565	905	2,040	2,100	3,090	1,300	870	1,070	805	750
21	545	600	570	920	2,080	2,000	*2,740	1,340	830	1,140	855	695
22	545	595	570	895	2,210	1,910	2,480	1,230	830	1,190	955	685
23	555	585	570	900	2,170	1,810	2,270	1,180	855	1,140	1,020	670
24	545	580	595	975	2,060	1,740	2,090	1,150	850	1,210	*1,080	655
25	545	575	615	1,000	2,000	1,660	2,020	1,120	845	1,150	1,080	690
26	545	580	655	1,010	2,100	1,570	2,340	1,090	860	1,120	950	1,610
27	545	570	690	995	2,280	1,510	2,280	1,060	870	1,070	875	1,900
28	550	555	675	*995	2,220	1,440	2,150	1,020	880	1,040	880	*1,790
29	540	550	670	1,000	-	1,380	2,070	985	880	1,030	845	1,690
30	535	545	665	985	-	1,340	2,020	960	870	965	830	1,580
31	540	-	680	960	-	1,280	-	950	-	910	815	-
Total	18,260	16,435	18,110	25,830	49,250	56,480	78,630	50,685	27,100	29,415	26,240	25,815
Mean	589	548	584	833	1,759	1,822	2,621	1,635	903	949	846	860
Cfsm	0.698	0.649	0.692	0.987	2.08	2.16	3.11	1.94	1.07	1.12	1.00	1.02
In.	0.80	0.72	0.80	1.14	2.17	2.49	3.46	2.23	1.19	1.30	1.16	1.14

Calendar year 1952: Max 4,130 Min 515 Mean 1,085 Cfsm 1.29 In. 17.50
Water year 1952-53: Max 4,640 Min 515 Mean 1,157 Cfsm 1.37 In. 18.60

* 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 at 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.--150 sq mi.

Records available.--November 1935 to September 1953.

Gage.--Staff gage read once daily. Datum of gage is 1.03 ft above mean sea level, datum of 1929.

Average discharge.--18 years, 541 cfs.

Extremes.--Maximum discharge during year, 1,560 cfs Sept. 26 (gage height, 9.47 ft); minimum, 403 cfs Feb. 6 (gage height, 4.56 ft).

1935-53: Maximum discharge observed, 4,860 cfs Apr. 2, 1948 (gage height, 12.46 ft), from rating curve extended above 2,200 cfs; minimum, 350 cfs July 4, 20, 21, 1952.

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 table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Feb. 18-21, 24-26, Mar. 1 to Apr. 6, Apr. 9-11, 17-25, Apr. 29 to May 7, May 9 to June 13)

4.5	397
6.0	59e
8.0	1,060
8.8	1,300

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	449	419	417	430	407	514	453	503	439	474	464	488
2	446	419	419	429	417	498	455	502	437	448	456	475
3	438	421	419	422	419	491	461	491	434	438	451	482
4	437	420	421	417	417	485	453	482	434	427	464	474
5	438	421	429	417	407	475	446	478	441	425	459	500
6	438	421	425	413	403	470	460	481	484	427	451	526
7	449	419	421	415	681	465	571	516	514	436	451	552
8	461	419	421	412	780	461	570	565	497	466	526	*500
9	454	419	422	485	*584	455	527	530	475	469	530	477
10	*448	421	421	465	470	453	509	494	487	477	496	469
11	438	423	432	*445	449	509	506	481	470	455	474	461
12	438	447	446	427	441	568	593	*473	457	442	481	459
13	434	436	427	419	427	539	857	466	460	438	466	461
14	431	425	421	416	436	500	775	462	502	425	480	460
15	430	421	419	414	636	503	590	457	543	435	502	461
16	427	420	417	412	787	500	543	465	*578	503	518	485
17	425	421	417	406	646	488	513	461	552	565	533	481
18	423	*419	419	409	522	494	509	455	471	584	485	459
19	423	431	419	427	496	502	508	454	444	593	521	464
20	427	466	419	438	492	487	520	455	435	593	498	518
21	423	474	431	427	494	484	509	481	436	600	496	521
22	421	436	436	419	549	488	494	468	431	601	471	482
23	425	431	434	415	568	484	491	455	429	555	485	461
24	436	427	421	459	522	*500	484	456	516	546	552	457
25	425	423	428	451	509	491	490	451	494	518	578	510
26	427	427	436	421	514	484	646	446	455	480	536	1,160
27	425	423	449	413	565	464	629	446	488	*469	528	1,260
28	422	421	436	411	562	462	547	441	514	455	535	1,240
29	418	419	422	408	-	459	509	441	503	457	571	809
30	417	415	423	405	-	455	506	444	471	456	512	639
31	419	-	449	405	-	453	-	441	-	461	503	-
Total	13,410	12,804	13,216	13,152	14,600	15,081	16,129	14,641	14,291	15,118	15,471	17,171
Mean	433	427	426	424	521	486	538	472	476	488	499	572
Cfsm	2.89	2.85	2.84	2.83	3.47	3.24	3.59	3.15	3.17	3.25	3.33	3.81
In.	3.32	3.17	3.28	3.26	3.62	3.74	4.00	3.63	3.54	3.75	3.94	4.26

Calendar year 1952: Max 943 Min 350 Mean 446 Cfsm 2.97 In. 40.50
Water year 1952-53: Max 1,280 Min 403 Mean 480 Cfsm 3.20 In. 43.41

Peak discharge (base, 1,200 cfs).--Sept. 26 (1:30 p.m.) 1,560 cfs (9.47 ft).
* 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.--296 sq mi.

Records available.--May 1952 to September 1953.

Gage.--Water-stage recorder.

Extremes.--Maximum discharge during year, 15,700 cfs May 4 (gage height, 23.82 ft); minimum, 50 cfs Sept. 18 (gage height, 2.60 ft).
1952-53: Maximum discharge, that of May 4, 1953; minimum, 42 cfs July 21, 26, 1952 (gage height, 2.55 ft).

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

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Discharge affected by backwater from return of overbank flow May 5, 6)

2.6	50	14.0	3,100
3.0	93	16.0	4,110
4.0	241	19.0	7,430
8.0	1,190	23.0	14,000

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	77	68	123	530	a600	794	254	422	110	446	115	132
2	73	70	127	446	a560	722	241	411	101	300	119	115
3	68	71	135	411	a520	626	241	1,840	92	193	103	101
4	63	69	139	400	a490	650	225	*13,600	86	147	*93	92
5	62	69	196	400	a540	770	213	*4,800	83	129	92	83
6	62	71	250	354	a660	626	407	*2,000	106	112	93	82
7	*61	73	225	310	a740	518	746	1,160	122	102	96	76
8	64	73	198	343	a740	542	578	890	131	96	76	71
9	80	75	188	578	a700	530	470	770	131	250	73	66
10	81	91	310	626	a650	470	482	674	118	270	66	61
11	83	111	400	578	a620	590	530	554	154	260	61	56
12	82	103	260	566	a600	590	650	482	159	163	59	55
13	83	*97	209	542	a620	554	1,160	458	124	126	56	53
14	80	97	200	*542	a760	518	1,220	389	103	111	61	52
15	76	100	195	482	a1,100	674	940	332	102	106	76	52
16	75	98	*176	389	a1,100	698	890	280	123	115	71	54
17	71	97	164	332	*990	650	674	260	145	170	71	52
18	68	96	159	354	1,120	578	518	241	138	162	81	50
19	67	139	157	434	940	578	482	223	147	190	119	*53
20	63	241	182	400	722	506	458	232	164	270	422	100
21	58	206	332	378	650	446	*367	250	146	389	227	123
22	54	175	234	389	746	494	343	260	135	354	193	107
23	58	156	200	530	698	578	310	310	149	378	300	103
24	63	160	225	650	698	506	270	542	170	354	470	97
25	61	146	378	554	866	*422	310	470	188	354	280	150
26	60	136	482	494	940	367	470	290	250	260	181	585
27	63	133	422	458	866	354	389	*204	321	192	178	965
28	63	131	367	458	818	343	310	166	506	153	184	1,900
29	63	126	343	422	-	280	300	146	674	124	178	2,780
30	62	124	422	a360	-	250	400	131	*590	111	146	1,580
31	67	-	602	a380	-	237	-	119	-	119	139	-
Total	2,111	3,402	8,000	14,090	21,054	16,461	14,828	32,906	5,568	6,506	4,479	9,846
Mean	68.1	113	258	455	752	531	494	1,061	186	210	144	328
Cfsm	0.230	0.382	0.872	1.54	2.54	1.79	1.67	3.58	0.628	0.709	0.486	1.11
In.	0.27	0.43	1.01	1.77	2.65	2.07	1.86	4.13	0.70	0.82	0.56	1.24

Calendar year 1952: Max - Min - Mean - Cfsm - In. -
Water year 1952-53: Max 13,600 Min 50 Mean 382 Cfsm 1.29 In. 17.51

Peak discharge (base, 1,800 cfs).--May 4 (7 a.m.) 15,700 cfs (23.82 ft); Sept. 29 (9 a.m.) 2,980 cfs (13.66 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.

West Fork Choctawhatchee River at Blue Springs, Ala.

Location.--Lat 31°40', long. 85°30', in SE¼ sec. 14, T. 8 N., R. 25 E., on right bank at downstream side of bridge on State Highway 10 at Blue Springs, 4 miles downstream from Lindsey Creek.

Drainage area.--85 sq mi, approximately.

Records available.--October 1943 to September 1953 (discontinued).

Gage.--Water-stage recorder. Datum of gage is 289.24 ft above mean sea level, datum of 1929, supplementary adjustment of 1943. Prior to Oct. 18, 1946, wire-weight gage at same site and datum.

Average discharge.--10 years, 143 cfs.

Extremes.--Maximum discharge during year, 3,730 cfs Apr. 10 (gage height, 8.27 ft); minimum daily, 25 cfs Oct. 6.
1943-53: Maximum discharge observed, 4,820 cfs Mar. 29, 1944 (gage height, 9.10 ft); mimimum daily, 12 cfs July 16, 1951.

Remarks.--Records good except those for periods of no gage-height record, which are fair. Diurnal fluctuation and some regulation at low flow caused by mill above station.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.9	25	4.5	305
2.5	49	5.0	510
3.0	76	6.0	1,250
3.5	119	8.0	3,340
4.0	187		

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	30	• 36	59	281	270	187	110	950	62	89	52	50
2	28	39	61	198	265	173	120	1,070	59	191	58	46
3	31	38	86	147	195	170	198	1,800	54	138	52	45
4	26	38	99	128	a150	170	142	570	54	109	48	42
5	26	37	a90	102	a130	223	110	305	54	71	*44	42
6	*25	39	130	94	a150	225	145	340	117	62	42	42
7	26	37	117	105	a350	160	422	275	122	62	38	40
8	28	38	71	328	a280	145	388	216	93	69	39	39
9	38	39	a70	672	a190	136	193	223	77	83	34	35
10	42	41	a100	624	a150	131	1,480	238	65	109	33	35
11	42	a48	158	340	*142	166	832	173	83	96	34	32
12	38	*62	158	210	145	202	411	155	85	62	33	34
13	36	52	81	*173	154	243	600	142	66	52	31	33
14	36	49	70	152	155	281	305	136	56	56	32	29
15	36	47	62	140	450	212	219	128	83	58	36	33
16	37	48	*62	145	498	210	200	121	126	79	39	35
17	36	47	60	127	238	173	187	119	152	122	36	34
18	34	49	62	192	182	161	166	115	119	140	50	32
19	34	83	59	518	160	310	182	126	71	96	198	34
20	28	206	63	350	155	302	182	264	59	92	504	55
21	30	238	73	229	196	187	*155	368	58	160	405	65
22	27	117	71	214	319	170	146	225	143	193	116	50
23	30	68	67	196	284	184	140	145	243	143	85	*40
24	33	59	84	229	214	*200	130	119	284	152	98	39
25	33	56	163	236	250	162	145	102	211	110	98	236
26	32	56	358	158	326	134	214	94	200	66	64	1,270
27	32	62	292	140	287	120	202	85	242	53	60	2,800
28	31	56	142	138	227	129	140	*74	251	62	60	446
29	32	54	102	140	-	130	119	69	145	62	71	287
30	31	56	114	130	-	114	328	67	*97	60	70	214
31	34	-	212	151	-	110	-	66	-	58	54	-
Total	1,002	1,895	3,396	6,987	6,512	5,620	8,311	8,880	3,531	2,955	2,614	6,214
Mean	32.3	63.2	110	225	233	181	277	286	118	95.3	84.3	207
Cfsm	0.380	0.744	1.29	2.65	2.74	2.13	3.26	3.36	1.39	1.12	0.992	2.44
In.	0.44	0.83	1.49	3.06	2.85	2.46	3.64	3.89	1.54	1.29	1.14	2.72

Calendar year 1952: Max 1,510 Min 23 Mean 115 Cfsm 1.35 In. 18.40
Water year 1952-53: Max 2,800 Min 25 Mean 159 Cfsm 1.87 In. 25.35

Peak discharge (base, 1,000 cfs).--Apr. 10 (5:30 p.m.) 3,730 cfs (8.27 ft); May 2 (8:30 p.m.) 3,600 cfs (8.20 ft); Aug. 20 (1 a.m.) 1,010 cfs (5.70 ft); Sept. 27 (10 a.m.) 3,600 cfs (8.20 ft).
* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of records for Choctawhatchee River near Newton, recorded range in stage, and weather records.

Choctawhatchee River near Newton, Ala.

Location.--Lat 31°21', long. 85°37', in SE¼ sec. 2, T. 4 N., R. 24 E., on left bank 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.--693 sq mi.

Records available.--June 1906 to August 1908, October 1911 to August 1912 (gage heights only) November 1921 to September 1927, May 1935 to September 1953. 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.--22 years (1922-24, 1925-27, 1935-53), 1,018 cfs.

Extremes.--Maximum discharge during year, 23,900 cfs May 4 (gage height, 29.6 ft); minimum daily, 142 cfs Sept. 17.

1906-8, 1911-12, 1921-27, 1935-53: Maximum discharge, 25,800 cfs Jan. 20, 1936; maximum gage height, that of May 4, 1953; minimum discharge observed, 52 cfs June 4, 1937, from rating curve extended below 250 cfs; minimum daily, 74 cfs Sept. 11, 1925. Maximum stage known, 45 ft Mar. 15, 1929, from information by local residents.

Remarks.--Records fair. Moderate diurnal fluctuation at low flow caused by gristmills above station.

Revisions.--WSP 782: Drainage area.

Rating table, water year 1952-53 (gage-height, in feet, and discharge, in cubic feet per second)

2.0	129	12.0	5,430
2.5	246	21.0	10,300
3.5	620	26.0	15,600
6.0	1,970	29.0	22,400

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	195	167	322	1,200	1,970	1,610	687	1,390	315	556	342	335
2	187	176	328	1,070	1,790	1,470	687	2,440	292	486	371	298
3	176	187	356	995	1,670	1,340	710	8,380	267	446	311	276
4	165	190	400	890	1,500	1,470	710	20,600	246	360	*273	249
5	163	180	535	785	1,360	1,730	710	*13,800	240	353	252	232
6	158	180	642	687	1,340	1,550	1,200	5,930	276	315	236	218
7	*150	187	598	642	2,610	1,280	1,970	3,320	342	415	240	215
8	154	190	535	810	2,320	1,180	1,730	2,670	415	642	210	200
9	180	195	490	1,790	1,850	1,130	1,470	2,210	393	735	192	187
10	202	215	535	2,150	1,500	1,040	1,260	1,850	346	577	185	171
11	224	252	664	2,030	1,360	1,310	1,280	1,610	474	400	169	161
12	226	261	642	1,500	1,260	1,390	2,900	1,415	535	322	163	154
13	224	*267	577	*1,200	1,160	1,360	2,850	1,280	435	289	154	150
14	213	270	510	1,070	1,100	1,390	2,610	1,130	342	302	152	148
15	205	284	454	970	2,960	1,550	1,970	1,020	308	434	171	144
16	200	258	400	860	2,610	1,500	1,610	920	356	577	176	144
17	190	252	*356	760	2,320	1,340	1,280	835	642	735	195	*142
18	187	246	346	810	*2,090	1,230	1,070	785	820	664	213	144
19	180	289	342	1,160	1,670	1,260	1,040	735	494	710	270	150
20	174	474	385	1,340	1,390	1,160	1,020	860	415	1,180	1,070	200
21	154	442	519	1,280	1,390	1,180	945	1,040	371	1,340	1,850	273
22	146	438	490	1,100	1,910	1,100	*810	1,260	415	1,040	1,130	289
23	146	431	442	1,130	1,790	1,160	760	1,070	820	785	860	258
24	148	385	478	1,360	1,670	*1,130	710	1,020	687	664	760	238
25	152	353	710	1,260	2,150	1,020	835	920	664	490	820	332
26	165	346	995	1,100	2,260	920	1,180	664	920	404	478	2,030
27	165	342	1,020	995	2,090	860	1,020	*527	920	378	438	5,530
28	165	328	920	920	1,850	810	860	454	995	360	451	7,130
29	158	315	810	920	-	760	810	396	1,100	342	419	5,830
30	152	315	760	835	-	735	995	349	*1,020	322	378	3,320
31	161	-	1,180	1,070	-	687	-	335	-	308	360	-
Total	5,465	8,395	17,741	34,689	50,940	37,652	37,689	81,195	15,465	16,931	13,071	28,948
Mean	176	280	572	1,119	1,819	1,215	1,256	2,619	516	546	422	965
Cfsm	0.254	0.404	0.825	1.61	2.62	1.75	1.81	3.78	0.745	0.788	0.609	1.39
In.	0.29	0.45	0.95	1.86	2.73	2.02	2.02	4.36	0.83	0.91	0.70	1.55

Calendar year 1952: Max 5,480 Min 126 Mean 713 Cfsm 1.03 In. 13.99
Water year 1952-53: Max 20,600 Min 142 Mean 954 Cfsm 1.38 In. 18.67

Peak discharge (base, 5,000 cfs).--May 4 (5 p.m.) 23,900 cfs (29.6 ft); Sept. 28 (3 p.m.) 7,280 cfs (15.7 ft).

* Discharge measurement made on this day.

Pea River near Ariton, Ala.

Location.--Lat 31°35', long. 85°47', in SW¼ sec. 7, T. 7 N., R. 23 E., on left bank at downstream side of bridge on U. S. Highway 231, 2¼ miles downstream from Bryors Mill Creek, 2⅔ miles downstream from Atlantic Coast Line Railroad bridge, and 3½ miles west of Ariton.

Drainage area.--500 sq mi, approximately.

Records available.--October 1938 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 246.72 ft above mean sea level, datum of 1929, supplementary adjustment of 1943.

Average discharge.--15 years, 696 cfs.

Extremes.--Maximum discharge during year, 9,680 cfs Sept. 28 (gage height, 17.52 ft); minimum, 25 cfs Sept. 19 (gage height, 1.87 ft).
1938-53: Maximum discharge, 19,100 cfs Mar. 22, 1943 (gage height, 19.98 ft); minimum, 14 cfs Sept. 7-10, 1951.
Maximum stage known, about 25 ft in March 1929, from information by local residents.

Remarks.--Records good. Prior to Dec. 24, 1941, occasional regulation at low flow by gristmill above station.

Rating table, water year 1952-53 (gage-height, in feet, and discharge, in cubic feet per second)

1.8	17	6.0	1,360
2.0	41	11.0	3,220
2.2	77	15.0	6,070
2.5	164	17.2	9,150
3.0	349		

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	65	37	97	590	910	2,110	445	3,260	105	333	239	111
2	57	36	105	590	844	1,910	519	4,810	92	302	261	97
3	52	41	138	590	811	1,520	519	5,880	80	295	257	84
4	47	43	171	537	811	1,230	501	4,570	75	257	192	73
5	44	44	231	482	794	1,100	445	7,300	69	235	*151	63
6	*41	43	283	422	745	943	626	*4,980	80	174	122	55
7	37	44	280	453	794	844	1,170	*2,960	168	125	102	54
8	37	44	280	555	828	762	1,200	2,700	206	131	87	47
9	37	44	246	910	794	643	1,170	2,740	164	482	75	41
10	43	44	231	1,040	811	590	1,200	2,040	138	555	69	40
11	49	52	322	1,230	745	573	5,310	1,650	418	573	61	38
12	51	*61	337	1,260	711	573	7,760	1,260	943	464	54	32
13	51	67	357	*1,140	660	794	3,890	976	590	318	46	32
14	49	73	302	1,070	660	762	2,700	778	337	213	43	29
15	46	75	261	1,040	1,260	828	2,570	608	250	164	41	28
16	47	75	*228	844	1,390	844	2,260	501	365	171	43	27
17	46	75	185	643	*1,490	794	1,620	426	590	254	54	26
18	44	71	161	1,010	1,710	745	1,200	380	794	318	55	26
19	41	102	151	1,420	1,840	844	1,010	365	694	372	114	26
20	41	151	151	1,680	1,420	1,070	794	426	910	573	353	54
21	36	161	154	1,910	1,230	1,140	*677	464	877	608	501	396
22	36	151	174	2,110	1,170	1,100	608	555	537	778	482	*299
23	34	157	199	1,980	1,100	1,140	573	660	295	910	388	203
24	34	141	239	1,710	1,200	*1,010	519	590	265	844	287	141
25	40	122	437	1,420	1,580	910	555	426	295	778	203	154
26	40	102	728	1,230	1,940	778	660	318	501	643	154	1,170
27	40	97	745	1,100	1,840	745	677	250	573	519	131	4,320
28	41	97	677	1,010	1,810	711	677	*203	573	337	154	9,150
29	38	102	573	943	-	643	626	164	*501	254	168	7,300
30	36	97	519	811	-	537	1,680	131	460	224	128	4,010
31	36	-	590	778	-	464	-	119	-	246	111	-
Total	1,336	2,451	9,552	32,508	31,898	28,657	44,161	52,490	11,945	12,450	5,126	28,126
Mean	43.1	81.7	308	1,049	1,139	924	1,472	1,693	398	402	165	938
Cfsm	0.086	0.163	0.616	2.10	2.28	1.85	2.94	3.39	0.796	0.804	0.330	1.88
In.	0.10	0.18	0.71	2.42	2.37	2.13	3.28	3.90	0.89	0.93	0.38	2.09

Calendar year 1952: Max 10,300 Min 29 Mean 562 Cfsm 1.12 In. 15.28
Water year 1952-53: Max 9,150 Min 26 Mean 714 Cfsm 1.43 In. 19.38

Peak discharge (base, 4,000 cfs).--Apr. 12 (12:30 a.m.) 9,500 cfs (17.40 ft); May 5 (time unknown) 8,350 cfs (16.73 ft); Sept. 28 (5 p.m.) 9,680 cfs (17.52 ft).
* Discharge measurement made on this day.

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, 1¾ miles downstream from Louisville & Nashville Railroad bridge, 3 miles west of Samson, and 6½ miles upstream from Flat Creek.

Drainage area.--1,170 sq mi, approximately.

Records available.--August 1904 to August 1913, June 1922 to October 1925, May 1935 to September 1953. 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.--28 years (1904-12, 1923-25, 1935-53), 1,778 cfs.

Extremes.--Maximum discharge during year, 14,700 cfs Sept. 28 (gage height, 29.1 ft); minimum, 117 cfs Sept. 14; minimum daily, 127 cfs Sept. 14; minimum gage height, 1.63 ft Oct. 6.

1904-13, 1922-25, 1935-53: Maximum gage height, 42.0 ft Jan. 20, 1925, from floodmarks, 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. 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 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 13 to July 25, July 27 to Sept. 25)

1.6	125	12.0	3,310
2.0	175	20.0	7,400
3.0	329	25.0	10,800
7.0	1,430	29.0	14,600

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	262	196	378	1,690	2,820	3,400	1,160	6,040	422	*953	656	348
2	278	203	389	1,400	2,700	3,400	1,160	5,990	434	781	628	311
3	232	189	411	1,430	2,380	3,270	1,250	7,760	389	683	588	294
4	232	210	496	1,280	2,010	2,900	1,370	9,930	368	669	561	270
5	247	217	548	1,070	1,860	2,820	1,190	9,510	338	574	535	270
6	145	217	809	982	1,760	2,350	1,620	9,020	368	422	411	247
7	*240	224	753	953	2,230	2,010	4,560	10,600	422	434	411	270
8	217	240	725	1,280	2,200	1,790	4,280	9,930	458	434	368	224
9	217	240	669	2,860	1,940	1,660	3,150	7,400	548	548	348	232
10	240	189	895	3,960	1,760	1,530	2,980	5,400	522	1,530	262	203
11	247	224	895	3,150	1,620	1,560	2,980	4,190	496	1,900	278	217
12	247	262	837	2,940	1,560	1,690	3,780	3,190	953	1,220	302	247
13	254	*262	837	2,380	1,560	1,790	6,330	2,460	1,370	1,070	262	196
14	262	270	809	*1,970	1,500	2,270	7,820	2,050	1,280	725	217	127
15	247	278	656	1,790	3,350	2,270	7,220	1,720	866	588	270	175
16	240	329	602	1,690	4,380	2,540	5,250	1,530	725	561	240	182
17	232	240	*548	1,530	3,400	2,120	4,010	1,340	1,370	615	217	171
18	232	270	509	1,690	*3,060	1,860	3,060	1,250	1,370	781	320	168
19	210	338	458	4,060	2,820	1,940	2,350	1,160	1,430	924	368	175
20	172	588	446	3,740	2,900	1,900	2,080	1,250	1,250	1,250	509	203
21	196	615	446	3,570	2,740	2,050	1,790	1,340	1,220	2,460	753	224
22	203	496	509	3,400	3,440	2,230	*1,590	1,250	1,430	2,200	809	499
23	196	434	535	3,310	2,980	2,270	1,500	1,190	1,370	2,010	866	697
24	182	389	656	3,520	2,700	2,350	1,400	1,220	809	2,460	1,010	458
25	189	368	895	3,060	3,310	*2,120	1,500	1,160	628	1,940	697	496
26	203	368	1,790	2,500	4,010	1,940	2,500	953	697	1,530	483	4,150
27	161	368	1,620	2,160	4,190	1,660	2,120	*753	982	1,250	496	12,300
28	196	378	1,590	1,900	3,880	1,500	1,760	656	1,280	1,010	522	14,200
29	210	368	1,370	1,860	-	1,460	1,590	548	1,400	837	509	12,200
30	203	368	1,220	1,720	-	1,370	2,540	509	1,160	725	496	10,800
31	203	-	1,590	1,620	-	1,250	-	483	-	697	400	-
Total	6,795	9,338	24,891	70,465	75,060	65,270	85,890	111,782	26,355	33,781	14,792	60,554
Mean	219	311	803	2,273	2,681	2,105	2,863	3,606	878	1,090	477	2,018
Cfsm	0.187	0.266	0.686	1.94	2.29	1.80	2.45	3.08	0.750	0.932	0.408	1.72
In.	0.22	0.30	0.79	2.24	2.39	2.07	2.73	3.55	0.84	1.07	0.47	1.92

Calendar year 1952: Max 10,300 Min 145 Mean 1,448 Cfsm 1.24 In. 16.85
Water year 1952-53: Max 14,200 Min 127 Mean 1,603 Cfsm 1.37 In. 18.59

Peak discharge (base, 7,000 cfs).--Apr. 14 (4 p.m.) 8,000 cfs (21.0 ft); May 7 (6 p.m.) 11,000 cfs (25.2 ft); Sept. 28 (4 a.m.) 14,700 cfs (29.1 ft).

* Discharge measurement made on this day.

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.--3,490 sq mi, approximately.

Records available.--August 1929 to September 1953. 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.--24 years, 5,491 cfs.

Extremes.--Maximum discharge during year, 32,000 cfs Sept. 30 (gage height, 13.21 ft); minimum, 998 cfs Sept. 16 (gage height, 0.06 ft).
1929-53: Maximum discharge, 56,600 cfs Sept. 4, 1937 (gage height, 15.55 ft); minimum, 865 cfs Oct. 28, 1931; minimum gage height, -0.27 ft June 30, 1935.
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.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

0.1	1,010	8.0	6,830
1.0	1,280	10.0	12,100
4.0	2,670	12.0	21,700
6.0	3,990	13.1	31,000

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	1,540	1,130	1,700	4,750	4,900	10,400	3,610	4,970	1,940	3,700	2,340	1,910
2	1,470	1,140	1,700	4,560	5,340	10,300	3,640	5,680	1,820	3,330	2,180	1,700
3	1,400	1,170	1,710	4,340	6,870	9,450	3,910	8,600	1,730	2,860	2,100	1,610
4	1,350	1,190	1,810	4,190	7,980	8,620	3,950	9,080	1,670	2,490	2,060	1,500
5	1,300	1,200	1,900	3,940	8,220	7,910	3,770	10,800	1,610	2,250	1,950	1,540
6	1,260	1,210	2,090	3,740	7,880	7,600	3,950	15,200	1,570	2,100	1,840	1,460
7	1,260	1,210	2,460	3,530	7,980	7,310	6,050	23,600	1,600	1,930	1,760	1,360
8	1,250	1,210	2,540	3,280	8,570	7,160	9,620	27,200	1,730	1,980	1,690	1,300
9	1,240	1,220	2,390	3,870	9,700	6,910	11,700	24,800	1,820	2,420	1,640	1,260
10	1,260	1,220	2,420	5,210	10,200	5,790	12,600	21,000	1,990	2,600	1,550	1,200
11	1,300	1,240	2,630	7,070	9,420	5,250	12,100	16,800	2,140	2,970	1,440	1,170
12	1,370	1,320	2,840	8,320	8,320	5,400	11,200	*13,400	2,360	3,660	1,370	*1,120
13	1,390	1,450	2,920	8,900	6,670	5,900	11,200	10,500	2,740	3,440	1,380	1,110
14	1,380	1,500	2,720	9,020	*5,710	6,180	12,900	7,740	3,040	2,920	1,340	1,100
15	*1,390	1,430	2,490	6,970	5,710	6,460	14,100	6,110	3,160	2,520	1,300	1,060
16	1,350	1,400	2,390	*5,490	7,180	7,620	14,800	5,110	3,080	2,320	1,290	1,010
17	1,310	1,390	2,200	4,820	9,980	8,420	14,500	4,500	2,650	2,490	1,330	1,010
18	1,280	1,430	2,010	4,740	11,400	8,370	13,000	3,840	2,750	2,950	1,320	1,010
19	1,270	1,490	1,880	5,030	11,700	7,580	11,500	3,560	3,090	3,150	1,460	1,020
20	1,240	1,680	1,780	5,490	11,400	6,610	9,840	3,390	*3,040	3,190	1,810	1,090
21	1,180	2,060	1,700	6,750	10,900	6,090	7,550	3,440	2,830	3,640	2,360	1,240
22	1,140	2,420	1,700	7,510	10,000	5,720	6,290	3,600	2,630	4,190	3,180	1,240
23	1,130	*2,280	2,060	7,460	8,470	5,520	5,370	3,720	3,070	5,030	3,550	1,280
24	1,140	2,040	2,370	7,460	8,600	5,870	4,800	3,680	3,400	5,800	3,370	1,460
25	1,170	1,940	2,800	7,330	9,130	5,900	4,500	3,500	3,240	6,000	3,080	1,610
26	1,140	1,880	3,220	7,140	9,130	5,870	4,920	3,420	2,800	5,680	2,830	2,390
27	1,110	1,720	3,740	7,480	9,230	5,500	6,070	3,220	2,600	4,480	2,400	5,640
28	1,090	1,620	4,040	7,980	9,900	4,870	7,030	2,810	2,980	3,570	2,170	10,100
29	1,070	1,570	4,240	5,340	-	4,380	6,520	2,480	3,550	3,060	2,210	20,300
30	1,080	1,630	4,480	4,830	-	4,090	5,340	2,260	3,820	2,780	2,140	31,000
31	1,130	-	4,600	4,840	-	3,850	-	2,090	-	2,620	2,030	-
Total	38,990	45,390	79,530	181,380	240,490	206,900	246,330	260,100	76,450	102,120	62,470	101,800
Mean	1,258	1,513	2,565	5,851	8,589	6,674	8,211	8,390	2,548	3,294	2,015	3,393
Cfsm	0.360	0.434	0.735	1.68	2.46	1.91	2.35	2.40	0.730	0.944	0.577	0.972
In.	0.42	0.48	0.85	1.93	2.56	2.20	2.62	2.77	0.81	1.09	0.67	1.08

Calendar year 1952: Max 17,900 Min 1,070 Mean 3,832 Cfsm 1.10 In. 14.94
Water year 1952-53: Max 31,000 Min 1,010 Mean 4,498 Cfsm 1.29 In. 17.48

* Discharge measurement made on this day.

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.--383 sq mi.

Records available.--April 1950 to September 1953.

Gage.--Wire-weight gage read twice daily. Datum of gage is 10.70 ft above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 3,220 cfs Apr. 15 (gage height, 17.55 ft); minimum, 278 cfs Sept. 24; minimum gage height, 10.64 ft Sept. 23, 24.
1950-53: Maximum discharge, 5,240 cfs Sept. 2, 1950 (gage height, 19.02 ft); minimum, that of Sept. 24, 1953; minimum gage height, 10.56 ft Oct. 31, 1951.

Remarks.--Records fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Aug. 16 to Sept. 21)

10.7	281
13.0	632
14.0	960
16.0	2,040
17.6	3,260

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	431	301	309	343	484	960	491	865	392	382	*477	340
2	410	301	309	340	476	920	480	753	386	373	470	338
3	393	298	312	340	480	846	471	659	380	362	439	338
4	380	298	312	343	473	766	460	610	376	357	411	337
5	371	298	320	337	466	685	449	582	376	348	389	341
6	362	298	317	337	508	639	662	716	386	347	369	359
7	358	295	312	345	759	594	1,440	1,140	389	355	359	358
8	354	292	309	357	936	567	2,600	1,390	385	379	354	352
9	348	295	306	364	1,060	566	2,920	1,540	379	376	358	347
10	340	301	306	371	1,100	564	3,020	1,480	379	385	359	340
11	334	302	303	379	1,030	564	2,720	1,300	379	385	357	334
12	331	301	301	385	928	573	2,570	*1,100	379	368	366	*333
13	329	298	306	393	786	582	2,780	892	376	355	351	326
14	323	295	303	408	743	610	3,160	734	382	354	340	319
15	*323	292	301	415	1,220	806	3,190	639	399	354	333	315
16	320	292	299	*410	1,460	1,020	2,880	582	396	355	334	312
17	317	292	301	401	*1,600	1,170	2,330	539	387	372	345	306
18	315	292	298	410	1,610	1,280	1,810	511	385	396	361	301
19	315	315	292	469	1,450	1,300	1,440	492	376	401	372	303
20	317	393	295	508	1,270	1,200	1,220	480	*371	417	371	305
21	312	365	301	517	1,140	1,070	1,020	469	368	469	361	296
22	306	348	295	533	1,020	912	920	457	365	533	371	288
23	309	*340	294	543	936	799	861	446	362	606	383	281
24	309	333	295	590	932	734	786	438	365	746	378	281
25	309	330	298	623	968	688	728	431	362	728	364	351
26	308	327	308	614	1,040	642	799	424	362	661	357	728
27	301	322	326	610	1,020	606	857	417	371	602	361	750
28	303	317	323	610	1,000	575	865	410	371	546	371	775
29	301	315	320	567	-	*557	952	403	372	497	368	912
30	296	312	323	533	-	526	944	400	390	463	361	992
31	298	-	345	505	-	506	-	397	-	452	345	-
Total	10,321	9,358	9,537	13,900	26,895	23,827	45,825	21,696	11,346	13,724	11,535	12,258
Mean	333	312	308	448	961	769	1,528	700	378	443	372	409
Cfsm	0.869	0.815	0.804	1.17	2.51	2.01	3.99	1.83	0.987	1.16	0.971	1.07
In.	1.00	0.91	0.93	1.35	2.61	2.31	4.45	2.11	1.10	1.33	1.12	1.19

Calendar year 1952: Max 2,240 Min 280 Mean 497 Cfsm 1.30 In. 17.65
Water year 1952-53: Max 3,190 Min 281 Mean 576 Cfsm 1.50 In. 20.41

* Discharge measurement made on this day.

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, 4 miles southeast of Bruce and 5.8 miles downstream from Holmes Creek.

Drainage area.--4,370 sq mi, approximately.

Records available.--October 1930 to September 1953.

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 same datum.

Average discharge.--23 years, 7,286 cfs.

Extremes.--Maximum discharge during year, 24,700 cfs May 11 (gage height, 10.79 ft); minimum, 1,880 cfs Oct. 30 (gage height, 0.62 ft).

1930-53: Maximum discharge, 69,600 cfs Aug. 19, 20, 1939; maximum gage height, 16.68 ft Aug. 19, 1939; minimum discharge observed, 1,680 cfs Nov. 10-13, 1931; minimum gage height, 0.42 ft July 1, 1935.

Maximum stage known, 25.0 ft in March 1929, from floodmarks (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. WSP 1234: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

0.6	1,870	6.0	7,650
2.0	2,650	8.0	12,500
4.0	4,280	10.8	24,800

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	2,800	1,920	2,480	4,620	7,460	10,700	6,110	7,980	3,140	4,210	4,740	3,030
2	2,600	1,940	2,460	4,660	6,980	10,700	5,700	8,080	2,940	4,360	4,080	2,860
3	2,500	1,960	2,470	4,830	6,600	11,000	5,340	7,820	2,790	4,390	3,720	2,720
4	2,420	1,960	2,490	5,020	6,510	11,100	5,070	7,460	2,680	4,270	3,500	2,610
5	2,320	1,940	2,570	5,210	6,740	11,000	4,950	7,400	2,610	3,810	3,290	2,560
6	2,240	1,960	2,670	5,410	7,590	10,600	5,080	8,180	2,600	3,400	3,120	2,580
7	2,230	1,960	2,800	5,260	8,770	10,000	5,900	9,850	2,610	3,220	2,980	2,570
8	2,240	1,940	3,010	5,040	9,330	9,560	7,020	12,300	2,600	3,150	2,910	2,420
9	2,310	1,940	3,170	4,890	9,700	9,190	8,530	18,000	2,690	3,110	2,840	*2,290
10	*2,250	1,980	3,220	*4,800	*9,940	8,970	10,600	23,300	2,750	3,300	2,740	2,190
11	2,180	2,010	3,170	4,900	10,300	8,700	13,100	24,500	2,790	3,430	2,640	2,120
12	2,190	2,010	3,110	5,210	10,700	8,220	16,200	22,600	2,900	3,480	2,530	2,080
13	2,220	2,020	3,260	5,700	10,900	7,740	17,900	20,000	3,030	3,660	2,420	2,040
14	2,240	2,060	3,450	6,380	10,800	7,310	19,000	17,000	3,280	3,920	2,370	2,000
15	2,250	2,100	3,480	7,180	11,100	7,420	18,500	14,200	3,640	4,040	2,340	1,980
16	2,240	2,120	3,340	7,920	10,500	7,760	18,000	11,800	*3,820	3,890	2,320	1,960
17	2,200	2,120	3,120	8,280	10,400	8,240	17,900	10,100	4,020	3,980	2,380	1,920
18	2,160	*2,120	3,030	8,200	10,400	8,920	18,000	8,620	4,010	4,090	2,530	1,900
19	2,140	2,260	2,870	7,800	10,800	9,560	17,900	7,520	3,810	4,260	2,640	1,900
20	2,100	2,560	2,810	7,290	11,600	9,940	17,200	6,590	3,700	4,580	2,760	1,950
21	2,040	2,760	2,760	6,890	12,500	9,940	15,800	5,770	3,680	4,860	3,030	2,000
22	2,000	2,900	2,690	6,700	12,700	9,580	13,800	5,210	3,680	5,130	3,260	2,080
23	1,960	3,030	2,720	6,930	12,300	9,060	12,000	4,940	3,560	5,390	3,600	2,090
24	1,940	3,050	2,820	7,400	11,500	*8,490	10,500	4,790	3,580	5,590	3,860	2,100
25	1,940	2,940	2,940	7,920	10,900	7,980	9,470	4,700	3,780	5,840	4,030	2,410
26	1,940	2,830	3,080	8,340	10,900	7,610	8,700	4,620	3,980	6,210	4,090	4,500
27	1,940	2,710	3,310	8,530	10,800	7,400	8,000	4,500	4,170	6,600	4,050	6,060
28	1,940	2,620	3,620	8,510	10,700	7,290	7,540	4,330	4,170	6,810	3,860	7,000
29	1,920	2,550	3,940	8,450	-	7,140	7,310	4,070	4,130	6,760	3,570	7,920
30	1,880	2,510	4,240	8,280	-	6,910	7,610	3,720	4,150	6,360	3,370	8,730
31	1,900	-	4,490	7,940	-	6,550	-	3,380	-	5,560	3,200	-
Total	67,230	68,780	95,590	204,390	279,420	274,580	338,730	303,330	101,290	141,660	98,770	90,570
Mean	2,169	2,293	3,084	6,593	9,979	8,857	11,290	9,785	3,376	4,570	3,186	3,019
Cfsm	0.496	0.525	0.706	1.51	2.28	2.03	2.58	2.24	0.773	1.05	0.729	0.691
In.	0.57	0.59	0.81	1.74	2.38	2.34	2.88	2.58	0.86	1.21	0.84	0.77

Calendar year 1952: Max 21,200 Min 1,880 Mean 5,211 Cfsm 1.19 In. 16.24
Water year 1952-53: Max 24,500 Min 1,880 Mean 5,656 Cfsm 1.29 In. 17.57

* Discharge measurement made on this day.

Alaqua 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 1953.

Gage.--Water-stage recorder. Datum of gage is 19.65 ft (revised) above mean sea level, datum of 1929.

Extremes.--Maximum discharge during year, 5,160 cfs Sept. 26 (gage height, 18.47 ft), from rating curve extended above 1,800 cfs; minimum, 59 cfs Nov. 8 (gage height, 6.76 ft). 1951-53: Maximum discharge, that of Sept. 26, 1953; minimum, 41 cfs Aug. 30, 1951, July 21, 1952 (gage height, 6.21 ft).

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

6.7	57	13.0	547
7.0	69	14.0	746
8.0	127	15.0	1,040
10.0	287	16.0	1,860
12.0	423	16.8	2,780

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	74	63	70	157	178	141	99	172	76	89	86	79
2	72	63	69	110	149	138	152	162	72	84	84	76
3	69	62	78	108	195	133	117	156	70	78	97	80
4	67	61	72	94	132	132	100	*138	70	76	88	82
5	67	60	100	88	114	137	93	127	71	74	92	103
6	84	61	97	84	193	118	406	198	85	70	82	86
7	105	61	76	95	441	112	798	196	86	74	101	74
8	78	60	72	260	254	108	362	133	78	96	90	70
9	76	60	70	323	187	103	234	119	88	91	105	*67
10	74	63	79	*304	*157	103	274	111	78	114	82	66
11	*72	69	91	180	144	110	250	105	74	86	76	65
12	72	69	74	140	145	112	1,350	102	86	74	80	64
13	72	65	69	122	134	106	987	100	80	70	72	63
14	68	64	67	115	169	100	362	99	94	72	106	63
15	69	63	66	109	*803	298	288	96	306	93	237	63
16	69	63	66	104	*414	434	355	93	305	106	106	65
17	66	62	66	100	245	219	270	93	*312	248	113	62
18	65	62	65	210	207	172	244	91	154	148	225	61
19	64	*108	65	307	190	161	251	92	107	123	168	84
20	63	127	68	182	182	137	229	253	96	152	150	118
21	61	80	67	151	204	132	203	405	92	258	112	82
22	61	70	64	126	273	141	191	166	138	226	97	70
23	64	68	65	186	218	169	183	122	127	139	94	65
24	64	66	101	237	187	175	174	108	118	252	95	64
25	62	65	90	151	210	*123	228	99	93	138	82	162
26	61	85	110	126	185	111	333	93	97	105	88	2,680
27	61	86	116	119	163	109	218	88	179	95	153	*1,690
28	62	72	87	113	148	108	179	84	234	*89	232	642
29	60	67	76	108	-	102	163	81	130	99	119	362
30	61	67	94	102	-	99	169	79	100	132	96	304
31	63	-	263	126	-	97	-	78	-	98	84	-
Total	2,126	2,092	2,613	4,737	6,221	4,440	9,262	4,039	3,696	3,649	3,492	7,612
Mean	68.6	69.7	84.3	153	222	143	309	130	123	118	113	254
Cfsm	1.05	1.06	1.29	2.33	3.38	2.18	4.71	1.98	1.88	1.80	1.72	3.87
In.	1.21	1.19	1.48	2.69	3.53	2.52	5.25	2.29	2.10	2.07	1.98	4.32

Calendar year 1952: Max 706 Min 43 Mean 108 Cfsm 1.65 In. 22.42
Water year 1952-53: Max 2,680 Min 60 Mean 148 Cfsm 2.26 In. 30.63

Peak discharge (base, 550 cfs).--Feb. 15 (4 p.m.) 988 cfs (14.87 ft); Apr. 7 (11:30 a.m.) 865 cfs (14.46 ft); Apr. 12 (4 p.m.) 2,150 cfs (16.26 ft); May 21 (5:30 a.m.) 610 cfs (13.36 ft); Sept. 26 (4:45 p.m.) 5,160 cfs (18.47 ft).

* Discharge measurement made on this day.

Lightwood Knot Creek at Babbie, Ala.

Location.--Lat 31°16', long. 86°19', in SW¼ sec. 36, T. 4 N., R. 17 E., on downstream side of right pier of bridge on U. S. Highway 84, 1 mile east of Babbie, 1¼ miles downstream from Poley Creek, 2 miles upstream from mouth, and 3½ miles west of Opp.

Drainage area.--114 sq mi.

Records available.--February 1944 to April 1953 (discontinued). Prior to October 1947, published as Poley Creek at Babbie.

Gage.--Water-stage recorder. Prior to Dec. 30, 1947, wire-weight gage at same site and datum.

Average discharge.--8 years (1944-52), 227 cfs.

Extremes.--Maximum discharge during period October to April, 1,040 cfs Apr. 7 (gage height, 6.33 ft); minimum daily, 33 cfs Oct. 22 and 23.
1944-53: Maximum discharge observed, 12,100 cfs Sept. 11, 1944 (gage height, 11.86 ft); minimum daily, 18 cfs July 2-4, 1950, Aug. 29, 30, 1951.

Remarks.--Records good except those below 100 cfs and those for period of no gage-height record, which are fair. Some diurnal fluctuation at low flow.

Rating table, Oct. 1, 1952, to Apr. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-10, Oct. 30 to Nov. 20)

0.6	33	4.5	276
1.5	65	5.0	394
3.5	160	6.0	805
4.0	202	6.5	1,160

Discharge, in cubic feet per second, October 1952 to April 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	43	79	228	175	240	83					
2	42	44	85	214	221	190	87					
3	42	43	87	188	236	160	97					
4	39	43	91	153	202	150	104					
5	38	42	104	116	153	160	91					
6	38	42	131	102	134	170	174					
7	38	44	156	97	147	150	849					
8	*38	45	128	107	164	130	701					
9	43	45	99	235	147	130	410					
10	53	46	107	425	126	120	365					
11	57	*52	153	442	114	120	458					
12	55	57	179	286	111	130	380					
13	53	59	124	183	116	150	442					
14	49	55	95	*136	136	180	410					
15	45	53	87	121	308	160	276					
16	44	53	81	114	493	190	236					
17	43	53	*79	111	394	160	183					
18	42	53	77	166	*236	140	141					
19	41	59	77	335	*153	130	134					
20	38	79	79	476	136	130	131					
21	35	107	87	328	250	120	118					
22	33	111	97	208	400	120	*109					
23	33	93	95	164	350	130	102					
24	36	77	104	171	300	130	97					
25	36	69	147	192	270	*120	160					
26	36	69	214	164	270	104	240					
27	36	75	276	134	340	93	270					
28	37	81	202	124	300	91	240					
29	38	77	138	128	-	91	240					
30	37	75	121	128	-	87	250					
31	39	-	171	134	-	83	-					
Total	1,278	1,844	3,750	6,110	6,380	4,259	7,578					
Mean	41.2	61.5	121	197	228	137	253					
Cfsm	0.361	0.539	1.06	1.73	2.00	1.20	2.22					
In.	0.42	0.60	1.22	1.99	2.08	1.39	2.47					

Calendar year 1952 : Max 1,620 Min 30 Mean 151 Cfsm 1.32 In. 18.05
Water year 1952-53 : Max - Min - Mean - Cfsm - In. -

Peak discharge (base, 1,800 cfs).--No peak above base.
* Discharge measurements made on this day.
Note.--No gage height record Feb. 21 to Mar. 25, Apr. 25-30; discharge estimated on basis of recorded range in stage, weather records, and records for station on nearby streams.

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 6¾ miles upstream from Shoal River.

Drainage area.--650 sq mi, approximately.

Records available.--July 1938 to September 1953.

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.--15 years, 1,182 cfs.

Extremes.--Maximum discharge during year, 20,600 cfs Sept. 29 (gage height, 13.63 ft); minimum, 189 cfs Oct. 26, 27 (gage height, 1.34 ft).
1938-53: Maximum discharge, 21,200 cfs Sept. 13, 1944; maximum gage height, that of Sept. 29, 1953; minimum discharge, that of Oct. 26, 27, 1952; minimum gage height, 1.30 ft Aug. 31, Sept. 1, 1951.
Flood in 1929 reached a stage of 26.2 ft, from information by local residents.

Remarks.--Records good.

Revisions (water years).--WSP 892: 1938-39. WSP 1204: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.3	179	8.8	4,300
2.0	359	10.0	7,490
6.0	1,610	12.0	13,400
7.0	2,020	13.4	19,400
8.0	2,890		

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	279	206	279	695	829	1,610	535	1,480	415	683	471	423
2	272	206	276	710	1,090	1,440	755	1,670	395	596	435	376
3	262	206	308	716	1,430	1,250	904	1,850	376	491	468	346
4	249	209	316	728	1,460	1,090	755	1,850	359	418	451	348
5	242	209	376	645	1,340	1,110	683	1,740	354	376	398	497
6	239	209	404	549	1,130	1,170	969	1,810	379	351	362	488
7	232	212	387	491	1,130	1,110	1,630	2,580	370	359	348	407
8	242	209	384	463	1,220	969	1,980	6,390	359	500	343	351
9	259	209	393	578	1,180	823	2,190	8,200	409	497	329	324
10	254	214	409	832	1,030	773	2,460	*5,800	567	564	310	*302
11	246	229	421	1,070	876	743	2,660	3,450	477	526	300	282
12	246	234	506	*1,140	767	786	2,780	2,150	435	468	318	272
13	252	232	480	1,070	*719	848	2,370	1,580	407	451	295	259
14	*249	234	449	888	731	879	2,580	1,270	401	446	305	252
15	244	239	398	701	1,230	1,170	2,520	1,080	538	429	308	244
16	239	239	354	602	1,510	1,320	2,160	972	561	463	300	244
17	229	234	329	546	1,730	1,390	1,910	894	*636	792	300	242
18	222	234	316	572	1,820	1,360	1,830	832	761	752	409	232
19	214	264	305	947	1,710	1,170	1,720	783	919	725	776	264
20	209	284	305	1,220	1,420	959	1,460	876	1,060	764	783	503
21	199	276	300	1,330	1,130	842	1,170	991	807	1,040	630	373
22	194	*272	295	1,250	1,160	770	1,020	1,130	619	1,320	486	300
23	196	284	354	1,160	1,390	755	904	1,180	584	1,430	506	272
24	202	297	435	978	1,590	783	817	1,040	593	1,420	512	284
25	194	287	494	922	1,620	835	876	770	494	1,550	435	409
26	194	279	622	863	1,610	783	1,260	654	494	1,310	387	2,130
27	192	272	695	807	1,660	695	1,500	587	567	814	449	7,210
28	196	259	645	716	1,690	*633	1,670	538	645	636	633	10,800
29	194	259	619	642	-	593	1,630	494	633	561	665	*19,200
30	194	272	587	619	-	567	1,450	463	707	555	564	*15,500
31	202	-	633	665	-	544	-	437	-	*509	491	-
Total	7,037	7,269	13,074	25,115	36,202	29,770	47,148	55,541	16,321	21,796	13,767	63,134
Mean	227	242	422	810	1,293	960	1,572	1,792	544	703	444	2,104
Cfsm	0.349	0.372	0.649	1.25	1.99	1.48	2.42	2.76	0.837	1.08	0.683	3.24
In.	0.40	0.42	0.75	1.44	2.07	1.70	2.70	3.18	0.93	1.25	0.79	3.61

Calendar year 1952 : Max 4,410 Min 192 Mean 705 Cfsm 1.08 In. 14.78
Water year 1952-53 : Max 19,200 Min 192 Mean 921 Cfsm 1.42 In. 19.24

* Discharge measurement made on this day.

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 highway 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 1953.

Gage.--Water-stage recorder. Datum of gage is 105.59 ft above mean sea level, datum of 1929.

Extremes.--1951: Maximum discharge during period March to September, 1,540 cfs Mar. 30 (gage height, 12.33 ft); minimum, 50 cfs Sept. 9; minimum gage height, 3.13 ft Aug. 30, Sept. 9.

1951-52: Maximum discharge during water year, 945 cfs Feb. 16 (gage height, 9.31 ft); minimum, 54 cfs July 18; minimum gage height, 3.22 ft Oct. 20.

1952-53: Maximum discharge during water year, 8,690 cfs Sept. 27 (gage height, 21.86 ft), from rating curve extended above 4,100 cfs on basis of slope-conveyance study; minimum, 64 cfs Nov. 5 (gage height, 3.60 ft).

Remarks.--Records fair.

Rating tables, Mar. 1, 1951, to Sept. 30, 1953 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used for the periods Mar. 1-25, Aug. 14-27, 1951, Dec. 18, 1951, to Mar. 19, 1952, June 2 to July 8, 1952, Nov. 28, 1952, to Jan. 19, 1953, Feb. 15, 16, 1953)

Mar. 1, 1951, to July 5, 1952		July 6, 1952, to Sept. 30, 1953			
3.1	48	3.4	51	12.0	1,460
4.0	113	4.0	96	14.0	2,130
5.0	236	5.0	216	18.0	4,620
7.0	527	7.0	527	19.3	5,750

Note.--Same as following table above 7.0 ft.

Discharge, in cubic feet per second, March to September 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						77	391	154	102	118	82	59
2						77	337	143	96	127	75	68
3						76	299	135	91	124	71	65
4						74	251	149	85	127	68	58
5						77	221	140	83	118	66	55
6						81	208	123	81	98	72	59
7						78	282	119	79	89	77	60
8						74	375	115	77	84	71	57
9						*72	308	116	75	78	89	52
10						72	243	131	74	74	122	139
11						77	215	240	79	*70	94	387
12						180	222	285	75	68	84	218
13						150	201	214	72	67	75	205
14						114	177	162	72	69	75	190
15						102	163	142	94	70	78	282
16						96	186	130	108	64	73	249
17						94	*235	119	286	63	70	212
18						189	195	112	273	77	68	198
19						791	370	107	181	79	66	159
20						664	384	104	129	75	66	156
21						428	311	100	122	74	*69	182
22						326	374	96	117	74	63	158
23						264	388	94	105	83	62	165
24						229	314	91	94	79	65	147
25						207	250	88	86	69	82	127
26						185	221	200	81	72	74	173
27						172	205	260	75	70	64	229
28						162	184	180	86	68	59	186
29						820	172	138	121	125	58	140
30						1,090	165	*119	147	126	56	114
31						521	-	110	-	94	57	-
Total						7,619	7,847	4,416	3,246	2,673	2,251	4,549
Mean						246	262	142	108	86.2	72.6	152
Cfsm						2.00	2.13	1.15	0.878	0.701	0.590	1.24
In.						2.30	2.37	1.34	0.98	0.81	0.68	1.38

Calendar year	: Max	Min	Mean	Cfsm	In.	
Water year	: Max	Min	Mean	Cfsm	In.	

Peak discharge (base, 1,200 cfs).--Mar. 30 (1 a.m.) 1,540 cfs (12.33 ft).
* Discharge measurement made on this day.

Shoal River near Mossy Head, Fla.--Continued

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	101	73	92	141	142	310	348	108	116	74	92	164
2	92	266	92	135	138	270	350	105	102	70	83	164
3	86	348	94	133	189	191	263	103	94	67	72	198
4	82	226	94	130	185	330	219	102	88	66	65	183
5	77	141	272	128	156	443	229	98	84	63	64	154
6	74	198	268	123	136	322	204	96	*80	62	127	132
7	72	251	225	118	135	260	176	96	80	69	307	118
8	68	200	177	118	130	225	160	103	86	78	266	108
9	66	149	154	116	123	207	151	102	108	85	216	101
10	65	124	155	114	118	200	144	98	99	71	423	95
11	*63	116	148	109	116	258	140	120	88	69	360	91
12	63	106	145	108	113	242	134	126	81	69	246	92
13	62	*101	134	108	112	*221	279	104	75	66	178	141
14	60	98	129	108	235	195	342	98	72	66	245	150
15	59	229	182	110	599	177	256	94	70	64	490	142
16	59	329	178	114	870	165	190	92	70	60	565	194
17	58	266	153	109	536	154	163	106	84	57	417	150
18	57	188	182	108	396	171	151	188	84	56	292	124
19	57	153	214	106	316	299	141	195	85	*60	237	178
20	56	136	*201	106	348	256	134	280	80	61	194	258
21	58	126	208	104	447	205	129	226	75	70	246	272
22	68	119	190	113	365	182	*123	164	79	106	*184	264
23	67	114	163	174	372	200	117	138	111	78	175	201
24	72	111	151	160	584	219	129	123	85	68	150	156
25	72	107	144	129	359	221	142	116	77	69	*134	133
26	65	102	158	120	503	202	176	131	74	216	115	123
27	64	100	205	127	629	177	163	124	71	142	102	113
28	65	98	193	216	333	159	132	109	109	88	96	105
29	62	96	158	273	360	145	119	133	86	80	173	100
30	61	93	150	215	-	138	112	145	79	73	319	96
31	60	-	144	*163	-	150	-	143	-	80	232	-
Total	2,091	4,764	5,153	4,136	9,045	6,894	5,516	3,966	2,572	2,403	6,865	4,500
Mean	67.5	159	166	133	312	222	184	128	85.7	77.5	221	150
Cfsm	0.549	1.29	1.35	1.08	2.54	1.80	1.50	1.04	0.697	0.630	1.80	1.22
In.	0.63	1.44	1.56	1.25	2.73	2.08	1.67	1.20	0.78	0.73	2.08	1.36

Calendar year 1951: Max - Min - Mean - Cfsm - In. -
Water year 1951-52: Max 870 Min 56 Mean 158 Cfsm 1.28 In. 17.51

Peak discharge (base, 1,200 cfs).--No peak above base.
* Discharge measurement mede on this day.

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	92	69	85	245	324	193	123	210	84	126	117	98
2	89	68	85	193	338	194	143	198	81	108	110	93
3	84	68	90	177	358	187	142	183	79	108	107	93
4	80	66	86	149	312	182	125	169	78	113	102	94
5	79	66	148	136	250	179	116	*161	81	98	98	97
6	79	67	137	128	243	161	319	195	92	86	100	93
7	86	66	106	153	503	150	866	191	96	90	114	88
8	81	66	97	281	451	142	571	160	91	148	98	85
9	81	67	94	503	322	135	407	143	88	144	107	*81
10	81	71	97	509	254	132	521	133	85	197	96	80
11	81	75	112	*363	*213	144	445	125	94	166	99	78
12	81	75	99	285	197	162	1,210	119	112	130	107	77
13	80	74	91	229	183	154	1,220	115	114	104	93	77
14	*74	74	87	197	191	142	619	113	115	100	89	76
15	77	74	87	179	*756	415	450	111	186	111	93	76
16	76	74	86	165	*603	607	388	108	145	232	94	78
17	74	74	86	154	368	378	324	106	*122	864	97	76
18	72	74	85	184	290	282	279	105	102	595	147	74
19	72	*97	85	290	243	243	266	108	90	457	150	91
20	69	118	85	242	218	207	242	224	85	395	289	358
21	67	93	82	194	245	187	210	262	82	489	219	245
22	67	86	83	174	318	178	190	177	111	418	144	137
23	69	84	150	197	300	193	177	138	145	350	142	110
24	69	83	212	254	259	200	166	123	122	325	135	102
25	68	81	170	214	278	*171	238	113	105	237	117	194
26	68	85	169	173	279	151	409	104	111	184	113	2,510
27	67	89	161	153	253	142	330	98	153	157	150	*5,660
28	67	85	133	144	219	138	250	93	295	*144	162	*1,490
29	67	81	116	135	-	130	201	90	307	145	129	792
30	67	83	134	127	-	125	201	87	183	149	112	579
31	69	-	273	183	-	122	-	85	-	132	103	-
Total	2,333	2,333	3,611	6,710	8,768	6,126	11,148	4,347	3,632	7,102	3,833	13,782
Mean	75.3	77.8	116	216	313	198	372	140	121	229	124	459
Cfsm	0.612	0.633	0.943	1.76	2.54	1.61	3.02	1.14	0.984	1.86	1.01	3.73
In.	0.71	0.71	1.09	2.03	2.65	1.85	3.37	1.31	1.10	2.15	1.16	4.17

Calendar year 1952: Max 870 Min 56 Mean 148 Cfsm 1.20 In. 16.39
Water year 1952-53: Max 5,660 Min 66 Mean 202 Cfsm 1.64 In. 22.30

Peak discharge (base, 1,200 cfs).--Apr. 12 (10:30 p.m.) 1,640 cfs (12.71 ft); Sept. 27 (2:15 a.m.) 8,690 cfs (21.86 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 Titi Creek, 4¼ miles south of Crestview, and 7 miles upstream from mouth.

Drainage area.--475 sq mi.

Records available.--July 1938 to September 1953.

Gage.--Water-stage recorder. Datum of gage is 47.21 ft (revised) above mean sea level, datum of 1929. Prior to Feb. 12, 1939, staff gage at same site and datum.

Average discharge.--15 years, 1,092 cfs.

Extremes.--Maximum discharge during year, 20,000 cfs Sept. 28 (gage height, 13.93 ft); minimum, 308 cfs Nov. 5 (gage height, 1.13 ft).

1938-53: Maximum discharge, 21,700 cfs (revised) July 7, 1940 (gage height, 14.26 ft); minimum, 294 cfs Oct. 23-27, Nov. 3-7, 1943; minimum gage height, 0.98 ft Oct. 26, Nov. 4, 1943.

Revisions.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers indicated.

WSP	Water year	Date	Discharge (cfs)	Gage height (feet)
872	1939	Aug. 18, 1939	13,400	11.18
892	1940	July 7, 1940	21,700	14.26
1002	1944	Sept.12, 1944	13,000	11.05
1082	1947	Mar. 9, 1947	17,100	12.57
1172	1950	Sept. 2, 1950	11,200	10.38

Remarks.--Records good.

Revisions.--WSP 1204: Drainage area. Revised figures of discharge, in cubic feet per second, for high-water periods in the water years 1939, 1940, 1944, 1947, and 1950, superseding those published in WSP 872, 892, 1002, 1082 and 1172, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge
1939		1940-Con.		1947	
Aug. 16	8,880	July 8	19,500	Mar. 8	12,500
17	12,200	9	13,000	9	13,900
18	13,000				
19	9,340	1944		1950	
		Aug. 14	11,500	Sept. 2	11,000
1940		Sept.12	11,400		
July 7	15,700				

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
August 1939	99,986	13,000	662	3,225	6.45	7.44
Water year 1938-39	350,033	13,000	310	959	1.92	26.05
Calendar year 1939	390,249	13,000	332	1,069	2.14	29.03
July 1940	105,511	19,500	480	3,404	6.81	7.85
Water year 1939-40	396,518	19,500	469	1,083	2.17	29.49
Calendar year 1940	384,314	19,500	398	1,050	2.10	28.58
August 1944	98,220	11,500	1,090	3,168	6.34	7.31
September	80,600	11,400	1,170	2,687	5.37	6.00
Water year 1943-44	458,385	11,500	294	1,252	2.50	34.10
Calendar year 1944	522,106	11,500	470	1,427	2.85	38.85
March 1947	99,277	13,900	957	3,202	6.40	7.38
Water year 1946-47	500,644	13,900	538	1,372	2.74	37.23
Calendar year 1947	557,619	13,900	538	1,528	3.06	41.46
September 1950	66,805	11,000	801	2,227	4.45	4.97
Water year 1949-50	354,007	11,000	362	970	1.94	26.33
Calendar year 1950	350,611	11,000	362	961	2.02	27.48

Shoal River near Crestview, Fla.--Continued

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.1	304	5.0	1,120	7.0	3,040
2.0	436	6.0	1,520	10.0	8,980
4.0	635	6.5	2,140	13.2	17,800

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

ey	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
	391	326	341	971	1,020	820	566	1,060	428	636	744	532
	382	324	347	735	1,140	781	700	1,070	417	523	660	510
	372	317	362	648	1,500	769	717	977	401	475	676	507
	360	313	357	564	1,480	744	656	874	396	487	810	523
	357	309	530	512	1,170	781	587	803	399	478	652	621
	355	313	609	480	983	757	749	848	467	431	592	615
	357	317	473	484	1,330	692	1,940	988	473	438	815	536
	366	314	404	719	1,550	654	2,970	871	453	853	709	491
	370	313	384	1,150	1,380	623	2,230	748	441	672	717	*470
	372	317	418	1,560	1,050	613	1,560	684	473	686	621	453
	368	337	492	1,350	856	611	1,700	*646	467	692	571	441
	367	341	422	*997	781	668	2,590	617	473	625	698	433
	364	334	360	769	*746	713	3,650	602	475	514	684	428
	*354	329	364	676	735	660	3,710	596	458	472	598	423
	350	327	354	626	1,440	996	2,520	583	717	480	573	418
	348	324	351	590	2,210	1,780	1,530	571	851	652	554	420
	344	321	351	566	1,730	1,750	1,310	562	715	1,230	550	420
	337	320	351	682	1,230	1,200	1,160	554	*579	2,210	715	409
	334	*378	347	803	986	939	1,140	549	482	2,680	755	415
	326	468	351	858	879	818	1,110	676	431	2,000	1,070	577
	317	415	351	750	942	755	1,020	856	415	1,990	974	781
	314	368	341	662	1,100	735	928	805	498	1,960	746	632
	321	350	463	646	1,110	750	871	644	632	1,500	640	492
	321	340	810	879	994	843	830	575	571	1,420	621	448
	318	334	735	808	983	*772	920	536	a536	1,280	571	579
	314	341	772	674	1,070	670	1,470	507	a660	1,000	545	3,270
	314	344	715	602	1,040	632	1,570	484	a850	810	650	12,300
	314	343	570	564	914	621	1,260	465	a1,040	726	1,120	*17,600
	313	333	478	545	-	600	1,000	451	a920	*713	851	*9,150
	316	336	485	523	-	577	914	441	835	892	642	*4,940
	324	-	853	577	-	564	-	434	-	853	571	-
tal	10,660	10,146	14,561	22,970	32,349	24,868	43,678	21,077	16,973	30,378	21,695	59,834
an	344	338	470	741	1,155	803	1,463	680	566	980	700	1,994
sm	0.724	0.712	0.989	1.56	2.43	1.69	3.08	1.43	1.19	2.06	1.47	4.20
.	0.83	0.79	1.14	1.80	2.53	1.95	3.44	1.65	1.33	2.38	1.70	4.68

lendar year 1952: Max 3,030 Min 304 Mean 628 Cfsm 1.32 In. 18.00
ter year 1952-53: Max 17,600 Min 309 Mean 848 Cfsm 1.79 In. 24.22

* Discharge measurement made on this day.
a No gage-height record; discharge estimated on basis of recorded range in stage and records for ellow River near Milligan.

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 1953.

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

Extremes.--Maximum discharge during year, 4,990 cfs Sept. 27 (gage height, 15.21 ft); minimum, 66 cfs Oct. 29 (gage height, 3.04 ft).
1950-53: Maximum discharge, that of Sept. 27, 1953; minimum, that of Oct. 29, 1952 minimum gage height, 3.01 ft Oct. 21, 1951.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used July 30 to Aug. 3)

3.0	63	5.0	387
3.5	109	11.0	2,430
4.0	186	14.5	4,280

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	79	69	76	213	363	340	119	689	117	146	211	102
2	77	69	77	173	446	302	484	468	114	125	163	96
3	76	69	87	192	689	272	394	398	111	113	141	92
4	75	67	90	184	496	280	280	352	108	109	149	92
5	75	67	105	148	365	383	209	*520	111	113	128	140
6	75	68	128	128	230	312	737	2,300	117	104	117	165
7	73	68	107	117	502	252	1,870	3,020	116	102	143	138
8	73	66	93	113	440	218	1,050	1,520	110	128	124	109
9	76	68	88	199	340	194	682	936	121	125	116	96
10	78	69	92	338	276	177	1,290	639	173	179	106	90
11	78	71	143	280	*236	175	1,070	473	181	182	101	86
12	77	73	132	*213	218	213	1,160	389	172	128	99	*84
13	*76	73	106	170	209	213	2,170	338	148	109	98	82
14	74	72	95	146	220	197	1,140	304	140	106	97	80
15	73	71	90	132	*992	316	517	276	156	122	120	79
16	72	71	87	122	662	606	487	252	218	203	121	78
17	71	70	85	117	590	418	564	234	*236	960	138	77
18	71	69	84	226	405	314	462	218	218	508	207	77
19	70	75	84	662	320	256	410	211	156	468	510	80
20	69	81	83	457	280	220	369	288	127	379	252	92
21	68	80	84	332	403	196	312	274	115	636	205	84
22	68	*76	85	256	804	181	272	232	122	435	158	77
23	68	75	91	232	586	179	244	196	154	457	132	74
24	69	73	117	344	459	196	224	177	138	936	124	73
25	68	73	151	300	539	177	280	165	119	487	111	100
26	67	75	236	240	573	153	732	151	156	334	106	1,68
27	67	76	205	203	502	140	542	143	220	246	114	*4,25
28	67	76	149	177	410	*134	385	135	242	197	132	*3,00
29	67	74	121	161	-	127	302	128	194	211	153	1,45
30	67	75	121	151	-	122	392	124	158	234	138	81
31	69	-	190	190	-	119	-	121	-	*199	113	-
Total	2,233	2,161	3,482	6,916	12,755	7,382	19,149	15,671	4,568	8,781	4,627	13,78
Mean	72.0	72.0	112	223	456	238	638	506	152	283	149	45
Cfsm	0.351	0.351	0.546	1.09	2.22	1.16	3.11	2.47	0.741	1.38	0.727	2.2
In.	0.41	0.39	0.63	1.25	2.31	1.34	3.47	2.84	0.83	1.59	0.84	2.5

Calendar year 1952: Max 1,590 Min 67 Mean 191 Cfsm 0.932 In. 12.68
Water year 1952-53: Max 4,250 Min 67 Mean 278 Cfsm 1.36 In. 18.40

Peak discharge (base, 2,500 cfs).--May 7 (6 a.m.) 3,240 cfs (12.70 ft); Sept. 27 (7 a.m.) 4,990 cfs (15.21 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, 2¾ miles upstream from mouth and 6½ miles northeast of Milton.

Drainage area.--238 sq mi.

Records available.--November 1938 to September 1953.

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.--15 years, 552 cfs.

Extremes.--Maximum discharge during year, 3,910 cfs Sept. 27 (gage height, 8.06 ft); minimum, 215 cfs Oct. 29; minimum gage height, 1.96 ft Oct. 21, 29.
1938-53: Maximum discharge, 23,100 cfs Aug. 17, 1939 (gage height, 17.33 ft); minimum, that of Oct. 29, 1952; minimum gage height, 0.94 ft Dec. 11, 1938.

Remarks.--Records good.

Revisions (water years).--WSP 892: 1939. WSP 1204: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 8 to June 2)

1.8	201	5.0	1,130
3.0	458	6.0	1,890
4.0	751	7.9	3,730

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	248	224	230	440	521	423	300	468	258	396	346	284
2	246	224	232	377	640	401	391	440	252	341	313	274
3	241	224	270	403	802	401	500	468	248	309	317	270
4	239	223	258	357	597	416	413	500	246	294	321	282
5	239	223	386	313	461	394	350	675	248	282	302	326
6	237	223	341	292	436	366	978	2,830	268	282	296	317
7	233	226	276	282	554	346	1,980	3,240	268	284	339	292
8	232	223	258	276	513	328	947	1,450	256	290	366	276
9	233	224	254	396	413	317	712	721	252	309	319	270
10	239	230	268	537	361	311	1,170	*524	282	311	302	264
11	237	243	337	433	339	328	931	446	258	294	290	262
12	237	245	288	352	335	357	1,380	401	280	270	302	*260
13	*235	235	264	315	*330	354	2,250	370	276	262	292	256
14	232	232	256	296	460	354	931	352	252	272	288	256
15	232	232	250	*290	1,110	748	640	332	306	290	300	258
16	230	230	248	288	916	1,030	646	319	366	350	304	262
17	228	230	246	284	588	664	559	311	652	680	359	260
18	226	230	246	389	453	494	513	302	428	768	479	260
19	224	254	245	649	401	436	540	298	*304	463	396	280
20	223	284	248	540	398	394	479	306	292	403	354	332
21	217	254	246	420	699	368	413	315	294	526	317	290
22	219	*239	243	359	845	352	377	304	436	492	300	270
23	224	233	260	413	680	389	357	294	403	453	300	260
24	224	230	366	591	557	428	343	290	352	430	296	260
25	223	228	394	481	636	377	423	284	300	382	276	398
26	221	230	479	379	633	339	744	280	450	332	270	1,990
27	219	224	423	343	554	326	652	274	554	306	311	*3,630
28	219	223	341	326	468	*319	463	274	731	302	438	2,520
29	217	219	300	315	-	311	389	270	658	328	398	831
30	219	228	313	309	-	302	398	268	505	391	339	562
31	223	-	440	363	-	296	-	264	-	*401	304	-
Total	7,116	6,967	9,206	11,808	15,700	12,669	21,169	17,870	10,675	11,493	10,134	16,552
Mean	230	232	297	381	561	409	706	576	356	371	327	552
Cfsm	0.966	0.975	1.25	1.60	2.36	1.72	2.97	2.42	1.50	1.56	1.37	2.32
In.	1.11	1.09	1.44	1.85	2.45	1.98	3.31	2.79	1.67	1.80	1.58	2.59

Calendar year 1952: Max 2,390 Min 217 Mean 357 Cfsm 1.50 In. 20.41
Water year 1952-53: Max 3,630 Min 217 Mean 415 Cfsm 1.74 In. 23.66

Peak discharge (base, 2,700 cfs).--May 7 (12:30 a.m.) 3,810 cfs (7.97 ft); Sept. 27 (4 p.m.) 3,910 cfs (8.06 ft).
* Discharge measurement made on this day.

Conecuh River near Troy, Ala.

Location.--Lat 31°51', long. 86°00', in NE¼ sec. 13, T. 10 N., R. 20 E., on left bank nea downstream side of bridge on U. S. Highway 231, 1½ miles downstream from Mannings Cree and 3 miles north of Troy.

Drainage area.--240 sq mi, approximately.

Records available.--October 1943 to September 1953 (discontinued).

Gage.--Staff gage read once daily. Prior to Dec. 31, 1947, wire-weight gage at same site and datum.

Average discharge.--10 years, 355 cfs.

Extremes.--Maximum discharge during year, 16,800 cfs May 6 (gage height, 15.96 ft, from graph based on gage readings); minimum observed, 4.7 cfs Nov. 1, Sept. 18, 19.
1943-53: Maximum discharge, 18,000 cfs Nov. 28, 1948 (gage height, 16.1 ft, from floodmark); minimum observed, 0.8 cfs Aug. 31, Sept. 1, 10, 1951.

Remarks.--Records fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 1-19, June 23 to July 8, July 12-23)

0.7	3.7	4.0	131	10.0	1,950
1.0	7.7	6.0	310	11.0	3,150
1.5	18	7.0	466	12.0	4,750
2.0	32	8.0	690	14.0	9,110
3.0	74	9.0	1,100	15.0	12,200

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	11	4.8	24	267	247	1,100	175	1,706	54	84	79	29
2	9.3	5.4	23	267	267	810	159	2,520	50	74	69	20
3	8.3	6.2	162	267	277	665	152	2,280	42	62	56	17
4	7.2	6.2	260	257	277	548	145	3,430	38	52	44	18
5	7.0	6.4	95	237	277	446	131	4,575	35	46	38	23
6	*6.2	6.4	131	210	257	361	167	*12,200	46	38	*34	13
7	5.9	6.5	113	175	257	322	527	*4,960	69	38	30	12
8	5.8	7.1	95	167	299	288	990	2,060	69	106	24	12
9	6.2	7.4	79	277	334	257	1,100	1,300	56	267	20	10
10	6.6	7.9	101	427	322	228	1,830	940	62	347	18	9.3
11	9.0	8.8	167	527	310	219	4,930	745	113	247	15	7.9
12	9.5	*12	167	*593	288	247	2,400	570	175	152	13	7.4
13	9.1	13	152	593	267	347	*4,050	486	201	89	12	6.4
14	8.2	15	138	548	257	427	*2,170	427	192	62	11	5.9
15	7.2	16	*119	506	446	486	1,300	322	138	54	10	5.4
16	6.6	14	95	361	*886	446	890	219	95	64	9.9	5.2
17	6.2	13	74	288	1,380	361	690	267	267	84	11	5.2
18	5.9	13	64	427	940	334	593	247	487	113	18	4.7
19	5.9	18	56	640	745	506	506	228	990	145	23	6.1
20	5.4	30	56	890	570	775	*446	247	616	138	34	19
21	5.2	29	69	1,100	486	715	409	288	392	125	74	32
22	5.6	26	79	890	570	593	361	277	219	210	113	*26
23	5.6	23	89	810	810	*486	310	277	138	175	56	20
24	5.6	22	131	715	940	570	267	257	145	392	38	17
25	5.8	19	183	593	990	506	247	183	138	527	29	16
26	5.6	18	257	527	1,160	446	392	145	192	427	28	110
27	5.4	22	277	466	1,640	392	527	119	183	201	26	1,534
28	5.0	22	277	392	1,550	322	570	*101	152	107	24	4,570
29	5.0	22	267	334	-	267	486	84	*125	95	35	1,740
30	5.0	22	247	277	-	228	624	74	107	95	54	1,100
31	4.9	-	267	247	-	201	-	62	-	84	44	-
Total	205.2	442.1	4,314	14,275	17,049	13,899	27,544	41,596	5,586	4,700	1,089.9	9,401.5
Mean	6.62	14.7	139	460	609	448	918	1,342	186	152	35.2	313
Cfsm	0.028	0.061	0.579	1.92	2.54	1.87	3.82	5.59	0.775	0.633	0.147	1.30
In.	0.03	0.07	0.67	2.21	2.64	2.15	4.27	6.45	0.87	0.73	0.17	1.46

Calendar year 1952: Max 8,070 Min 2.1 Mean 266 Cfsm 1.11 In. 15.07
Water year 1952-53: Max 12,200 Min 4.7 Mean 384 Cfsm 1.60 In. 21.72

Peak discharge (base, 2,500 cfs).--Apr. 11 (7 a.m.) 5,690 cfs (12.52 ft); May 6 (8 a.m.) 16,800 cfs (15.96 ft); Sept. 28 (8 a.m.) 5,690 cfs (12.56 ft).
* Discharge measurement made on this day.

Conecuh River at Brantley, Ala.

Location.--Lat 31°34', long. 86°15', in SE¼ 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.--485 sq mi.

Records available.--October 1937 to September 1953.

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.--16 years, 750 cfs.

Extremes.--Maximum discharge during year, 15,000 cfs May 7 (gage height, 22.59 ft); minimum, 61 cfs Oct. 29 (gage height, 1.47 ft).
1937-53: Maximum discharge, 15,800 cfs Nov. 29, 1948 (gage height, 23.0 ft); minimum, 39 cfs Sept. 10, 1951 (gage height, 1.09 ft).

Remarks.--Records good except those for period of doubtful gage-height record, which are fair.

Revisions.--WSP 952: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

1.4	55	14.0	2,980
2.0	110	16.0	4,600
4.0	364	19.0	8,450
9.0	1,240	22.0	13,450
12.0	2,000	23.0	15,800

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	93	68	131	564	697	1,640	516	1,450	236	336	255	134
2	86	70	142	580	646	1,780	500	1,540	216	322	229	126
3	79	73	161	548	629	1,940	454	1,640	197	274	210	114
4	76	73	203	516	596	1,780	424	2,710	179	236	185	106
5	72	74	255	484	596	1,520	394	5,400	173	203	*167	103
6	68	75	294	454	596	1,260	572	*12,200	185	173	155	100
7	66	76	322	424	596	1,050	981	*14,200	222	167	132	99
8	65	77	288	394	596	873	*945	12,800	236	185	130	92
9	67	80	255	935	580	731	1,060	7,410	229	274	122	84
10	*71	81	274	1,040	564	646	1,380	4,120	210	364	110	78
11	78	*87	364	999	580	596	1,500	2,850	236	469	102	73
12	81	100	424	*927	580	424	1,820	d2,100	350	484	97	71
13	81	113	394	891	564	714	4,970	d1,700	409	424	98	68
14	81	113	336	855	606	783	4,910	d1,400	350	288	99	*67
15	79	104	*301	837	1,170	891	*5,020	d1,200	350	222	96	65
16	76	101	274	819	*1,090	927	4,120	1,040	439	197	91	64
17	76	100	255	819	1,020	875	2,850	891	516	191	103	64
18	77	101	236	1,130	891	837	2,390	765	580	203	116	65
19	76	116	210	1,610	1,020	819	1,660	714	580	229	113	64
20	74	133	197	1,660	1,190	801	*1,360	680	564	500	242	76
21	70	167	191	1,470	1,540	873	1,130	629	646	580	255	95
22	68	161	210	*1,330	1,780	927	981	612	801	532	185	108
23	66	142	229	1,360	1,570	*1,040	855	646	855	629	191	101
24	63	128	255	1,640	1,330	1,090	731	596	680	765	222	98
25	63	122	527	1,640	1,430	1,090	765	*548	424	697	203	103
26	64	123	663	1,430	1,520	999	891	500	394	629	161	856
27	65	129	629	1,260	1,660	873	873	454	484	629	141	2,850
28	65	143	564	1,090	1,680	837	855	379	454	629	140	2,440
29	62	143	500	963	-	765	819	322	*424	532	155	2,370
30	64	136	500	837	-	697	1,160	281	409	372	161	5,580
31	65	-	548	748	-	580	-	255	-	294	143	-
Total	2,237	3,209	10,132	30,254	27,407	30,656	46,886	82,032	12,028	12,029	4,809	16,314
Mean	72.2	107	327	976	979	989	1,563	2,646	401	388	155	544
Cfsm	0.149	0.221	0.674	2.01	2.02	2.04	3.22	5.46	0.827	0.800	0.320	1.12
In.	0.17	0.25	0.78	2.32	2.10	2.35	3.60	6.29	0.92	0.92	0.37	1.25

Calendar year 1952 : Max 9,920 Min 62 Mean 567 Cfsm 1.17 In. 15.93
Water year 1952-53 : Max 14,200 Min 62 Mean 762 Cfsm 1.57 In. 21.32

Peak discharge (base, 4,000 cfs).--Apr. 13 (5 p.m.) 5,940 cfs (17.22 ft); May 7 (9 p.m.) 15,000 cfs (22.59 ft); Sept. 30 (9 a.m.) 6,190 cfs (17.36 ft).
* Discharge measurement made on this day.
d Doubtful gage-height record; discharge estimated on basis of reconstructed gage-height graph and records for station at Troy.

Patsaliga Creek at Luverne, Ala.

Location.--Lat 31°44', long. 86°17', in SW¼ 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.--250 sq mi, approximately.

Records available.--October 1943 to September 1953.

Gage.--Wire-weight gage read once daily. Datum of gage is 267.53 ft above mean sea leve datum of 1929, supplementary adjustment of 1943.

Average discharge.--10 years, 422 cfs.

Extremes.--Maximum discharge during year, 4,340 cfs Apr. 12 (gage height, 13.0 ft, from graph based on gage readings); minimum observed, 17 cfs Sept. 18 (gage height, 1.51 f 1943-53: Maximum discharge, 16,700 cfs Nov. 28, 1948 (gage height, 16.8 ft, from graph based on gage readings); minimum observed, 8.0 cfs Aug. 30, 1951.

Remarks.--Records fair.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used May 14 to July 20, July 24 to Aug. 27)

1.5	17	9.0	811
1.8	28	10.0	1,220
2.5	61	11.0	1,790
3.5	125	12.0	2,780
5.0	258	13.0	4,340
8.0	613		

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	27	27	55	248	248	1,990	201	552	61	109	75	4
2	23	28	64	258	258	1,380	188	570	53	102	61	4
3	20	33	113	288	288	890	188	1,140	51	95	51	3
4	18	32	109	233	340	613	174	1,470	48	129	46	3
5	18	29	137	178	329	484	170	1,910	46	89	*44	3
6	19	31	153	149	298	408	278	*2,590	58	61	43	3
7	19	35	133	133	318	362	510	3,730	78	50	58	3
8	24	30	106	133	329	329	746	2,980	72	48	50	2
9	28	32	92	319	384	288	1,260	1,790	70	52	38	2
10	*27	36	192	432	408	268	1,650	1,200	56	157	33	2
11	26	*50	243	420	458	258	1,220	769	109	133	26	2
12	35	55	248	*471	524	268	2,900	570	133	72	22	2
13	32	48	219	536	445	362	2,760	408	157	56	24	2
14	28	46	149	584	278	458	*1,990	318	133	47	23	*2
15	28	45	*102	497	432	552	*2,080	268	83	51	40	2
16	31	44	86	318	*538	613	1,410	228	92	52	42	2
17	27	42	80	228	1,030	598	840	210	206	53	41	1
18	26	41	78	493	1,870	497	566	196	384	89	40	1
19	26	52	75	584	1,260	484	420	183	458	161	35	1
20	19	95	75	566	724	538	*384	214	340	258	57	3
21	19	80	95	769	584	784	396	298	149	373	137	4
22	21	68	109	1,260	566	611	384	288	89	584	113	3
23	21	60	117	990	613	*598	298	228	65	566	106	3
24	28	50	174	664	1,030	524	243	174	72	458	98	3
25	24	50	278	552	1,530	408	298	*141	117	396	80	3
26	23	50	308	497	1,340	351	432	117	196	445	62	5
27	23	65	308	497	1,360	308	510	102	170	373	53	88
28	24	68	298	432	1,990	258	584	89	117	192	60	2,21
29	23	57	258	420	-	238	584	78	*141	117	64	3,49
30	23	51	219	373	-	233	566	68	137	98	66	2,24
31	23	-	228	268	-	219	-	62	-	89	54	-
Total	753	1,430	4,901	13,792	19,772	16,372	24,230	22,941	3,941	5,555	1,742	9,61
Mean	24.3	47.7	158	445	706	528	808	740	131	179	56.2	32
Cfsm	0.097	0.191	0.632	1.78	2.82	2.11	3.23	2.96	0.524	0.716	0.225	1.2
In.	0.11	0.21	0.73	2.05	2.94	2.44	3.60	3.41	0.59	0.83	0.26	1.4

Calendar year 1952: Max 7,060 Min 18 Mean 283 Cfsm 1.13 In. 15.41
Water year 1952-53: Max 3,730 Min 18 Mean 343 Cfsm 1.37 In. 18.60

Peak discharge (base, 3,000 cfs).--Apr. 12 (9 p.m.) 4,340 cfs (13.0 ft); May 7 (7 p.m.) 3,980 cfs (12.8 ft); Sept. 29 (12 m.) 3,650 cfs (12.6 ft).
* Discharge measurement made on this day.

Sepulga River near McKenzie, Ala.

Location.--Lat 31°27', long. 86°47', in SE¼ 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, 2½ miles upstream from Piney Woods Creek, 5½ miles downstream from Persimmon Creek, and 7 miles southwest of McKenzie.

Drainage area.--470 sq mi, approximately.

Records available.--October 1937 to September 1953.

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.--16 years, 678 cfs.

Extremes.--Maximum discharge during year, 3,370 cfs May 5 (gage height, 8.29 ft); minimum, 17 cfs Oct. 29-31; minimum gage height, 2.56 ft Oct. 30.
1937-53: Maximum discharge, 28,100 cfs Mar. 17, 1938 (gage height, 24.5 ft, from floodmark); minimum, 9.2 cfs Aug. 29-31, Sept. 10, 1951.
Maximum stage known, about 33 ft in March 1929, from information by local residents.

Remarks.--Records good.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)

2.5	13	4.5	535
2.7	27	5.0	800
3.0	59	6.0	1,500
3.4	121	9.0	3,880
3.8	224		

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	26	18	42	267	238	2,390	271	2,710	98	100	101	42
2	25	18	54	286	275	1,980	267	2,550	93	*117	95	39
3	21	18	66	267	336	1,580	259	2,390	89	154	*86	37
4	21	20	57	231	372	1,130	248	3,020	87	142	76	35
5	21	19	84	188	323	890	238	3,300	81	98	69	35
6	20	19	75	166	298	800	383	2,950	84	84	64	35
7	18	19	74	147	410	690	1,800	2,870	80	74	59	32
8	18	20	71	142	480	615	*2,870	2,710	80	74	57	35
9	*18	21	72	286	530	510	2,870	1,850	75	80	52	53
10	20	*24	121	500	470	450	2,470	1,240	72	82	47	40
11	21	27	260	610	362	440	2,300	800	81	53	46	34
12	23	27	349	480	294	460	2,210	585	80	48	44	30
13	24	26	218	425	275	690	2,390	470	74	59	42	27
14	34	26	252	311	332	1,500	2,390	385	71	76	36	25
15	34	27	208	*231	1,340	1,720	1,760	340	75	60	35	23
16	30	26	132	196	2,300	1,760	1,460	306	78	53	34	*21
17	29	29	107	193	2,120	1,540	1,340	278	90	57	34	19
18	27	29	*92	635	1,460	1,340	1,020	252	136	72	42	18
19	26	46	84	800	*1,160	1,100	662	231	140	81	43	22
20	24	58	80	920	990	1,130	545	242	180	101	43	27
21	21	39	87	718	955	920	475	278	117	138	39	23
22	21	36	114	580	1,760	860	440	278	108	376	36	21
23	21	35	105	460	2,260	800	*367	323	196	955	43	19
24	21	34	116	425	1,940	668	319	302	147	1,380	66	18
25	19	40	320	475	2,260	610	848	224	100	1,420	54	24
26	19	46	245	420	2,790	*530	2,390	*177	95	745	53	326
27	19	43	286	349	3,020	440	2,550	159	87	380	92	1,020
28	18	38	263	278	2,870	380	1,670	140	87	228	80	1,380
29	17	36	228	252	-	340	1,200	125	84	171	69	860
30	17	42	202	224	-	319	2,120	114	100	132	57	610
31	17	-	238	224	-	294	-	105	-	114	47	-
Total	690	906	4,702	11,686	32,220	28,876	40,132	31,704	2,965	7,704	1,741	4,930
Mean	22.3	30.2	152	377	1,151	931	1,338	1,023	98.8	249	56.2	164
Cfsm	0.047	0.064	0.323	0.802	2.45	1.98	2.85	2.18	0.210	0.530	0.120	0.349
In.	0.05	0.07	0.37	0.92	2.55	2.28	3.18	2.51	0.23	0.61	0.14	0.39

Calendar year 1952: Max 5,400 Min 17 Mean 383 Cfsm 0.815 In. 11.08
Water year 1952-53: Max 3,300 Min 17 Mean 461 Cfsm 0.981 In. 13.30

Peak discharge (base, 3,500 cfs).--No peak above base.
* Discharge measurement made on this day.

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 1953.

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.--16 years, 468 cfs.

Extremes.--Maximum discharge during year, 2,430 cfs May 4 (gage height, 14.68 ft); minimum daily, 27 cfs Oct. 29.
1937-53: 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, 22 cfs Sept. 28, Oct. 18, 1938.
Maximum stage known, about 30 ft in March 1929, from information by local residents.

Remarks.--Records good. Diurnal fluctuation and occasional regulation at low flow caused by small mill 200 ft above station.

Revisions.--WSP 952: Drainage area.

Rating table, water year 1952-53 (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 11 to Dec. 3 and Aug. 3-6)

2.1	25	9.0	894
3.0	84	13.0	1,800
5.0	309	15.0	2,560

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	42	31	59	266	284	1,450	266	858	76	153	81	62
2	40	30	69	290	296	1,600	254	1,090	72	*124	76	55
3	36	34	69	328	348	1,480	254	1,500	71	102	*70	52
4	35	34	73	335	374	990	242	2,300	69	90	66	48
5	33	34	153	284	361	660	230	1,990	66	102	62	46
6	33	37	148	236	335	561	360	1,650	65	87	58	46
7	31	37	130	194	348	505	858	1,550	62	75	54	43
8	34	37	137	176	374	491	1,030	1,450	69	72	54	47
9	*36	17	127	361	400	439	*1,010	1,220	84	65	53	52
10	36	41	164	439	452	387	1,430	1,010	79	62	54	47
11	36	*39	125	465	439	374	1,920	768	75	62	52	45
12	36	39	182	505	374	374	1,670	519	68	96	47	41
13	41	40	260	575	302	426	1,310	413	68	113	49	35
14	38	41	387	617	302	617	1,240	335	84	79	44	41
15	41	43	452	478	631	858	1,290	296	85	68	44	39
16	43	43	328	*322	858	930	1,530	272	81	61	40	35
17	40	43	188	266	876	970	1,530	254	93	62	46	37
18	39	40	*142	491	876	912	912	230	142	69	44	35
19	38	59	125	675	990	736	547	224	302	102	44	34
20	38	53	115	660	*1,110	589	439	230	254	200	46	39
21	35	45	112	645	840	631	400	230	131	218	43	*41
22	33	52	117	675	822	786	400	272	123	278	60	*37
23	34	65	164	660	894	822	348	290	84	374	121	36
24	32	56	170	533	950	589	*296	236	74	400	90	40
25	32	49	322	426	1,310	452	426	*188	77	439	73	52
26	31	52	296	387	1,570	413	720	153	129	400	98	242
27	34	50	309	387	1,620	*387	840	132	131	302	99	374
28	32	47	361	348	1,450	335	752	119	117	170	78	575
29	27	50	387	296	-	302	768	100	109	112	65	645
30	28	67	348	266	-	284	786	90	120	96	56	720
31	31	-	296	278	-	284	-	82	-	88	60	-
Total	1,095	1,325	6,315	12,864	19,786	20,634	24,058	20,051	3,060	4,721	1,927	3,641
Mean	35.3	44.2	204	415	707	666	802	647	102	152	62.2	121
Cfsm	0.119	0.149	0.689	1.40	2.39	2.25	2.71	2.19	0.345	0.514	0.210	0.409
In.	0.14	0.17	0.79	1.62	2.49	2.59	3.02	2.52	0.38	0.59	0.24	0.46

Calendar year 1952: Max 3,170 Min 27 Mean 308 Cfsm 1.04 In. 14.18
Water year 1952-53: Max 2,300 Min 27 Mean 327 Cfsm 1.10 In. 15.01

Peak discharge (base, 2,000 cfs).--May 4 (12:30 p.m.) 2,430 cfs (14.68 ft).
* Discharge measurement made on this day.