

Magnitude and Frequency of Low Flows in the Suwannee River Water Management District, Florida

By G.L. Giese and M.A. Franklin

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Abstract

Low-flow frequency statistics for 20 gaging stations having at least 10 years of continuous record and 31 other stations having less than 10 years of continuous record or a series of at least two low-flow measurements are presented for unregulated streams in the Suwannee River Water Management District in north-central Florida. Statistics for the 20 continuous-record stations included are the annual and monthly minimum consecutive-day average low-flow magnitudes for 1, 3, 7, 14, and 30 consecutive days for recurrence intervals of 2, 5, 10, 20, and, for some long-term stations, 50 years, based on records available through the 1994 climatic year. Only the annual statistics are given for the 31 other stations; these are for the 7- and 30-consecutive day periods only and for recurrence intervals of 2 and 10 years only. Annual low-flow frequency statistics range from zero for many small streams to 5,500 cubic feet per second for the annual 30-consecutive-day average flow with a recurrence interval of 2 years for the Suwannee River near Wilcox (station 02323500). Monthly low-flow frequency statistics range from zero for many small streams to 13,800 cubic feet per second for the minimum 30-consecutive-day average flow with a 2-year recurrence interval for the month of March for the same station.

Generally, low-flow characteristics of streams in the Suwannee River Water Management District are controlled by climatic, topographic, and geologic factors. The carbonate Floridan aquifer system underlies, or is at the surface of, the entire District. The terrane's karstic nature results in many sinkholes and springs. In some places, springs may contribute greatly to low streamflow and the contributing areas of such springs may include areas outside the presumed surface drainage area of the springs. In other places, water may enter sinkholes within a drainage basin, then reappear

in springs downstream from a gage. Many of the smaller streams in the District go dry or have no flow for several months in many years.

In addition to the low-flow statistics, four synoptic low-flow measurement surveys were conducted on 161 sites during 1990, 1995, and 1996. The measurements were made to provide "snapshots" of flow conditions of streams throughout the Suwannee River Water Management District. Magnitudes of low flows during the 1990 series of measurements were in the range associated with minimum 7-consecutive-day 50-year recurrence interval to the minimum 7-consecutive-day 20-year recurrence interval, except in Taylor and Dixie Counties, where the magnitudes ranged from the minimum 7-consecutive-day 5-year flow level to the 7-consecutive-day 2-year flow level. The magnitudes were all greater than the minimum 7-consecutive-day 2-year flow level during 1995 and 1996. Observations of no flow were recorded at many of the sites for all four series of measurements.

INTRODUCTION

In recent years there has developed a better awareness that natural systems such as wetlands, flood plains, native ecological communities, and aquifer recharge areas within the 7,640-square-mile SRWMD (Suwannee River Water Management District) (fig.1) provide vital water-related functions. These functions include water-quality treatment, water supply, flood water conveyance and attenuation, fish and wildlife habitat, and recreational and economic values. These systems depend on the maintenance of the natural variability of the hydrologic cycle as reflected by the magnitude, duration, and timing of changing streamflow, rising and falling water levels of lakes, rivers, and aquifers, and interaction of surface and ground



- EXPLANATION**
- SUWANNEE RIVER WATER MANAGEMENT DISTRICT BOUNDARY
 - ▲ 02314200 STREAM-GAGING STATION—And number
 - ▲ 02314134 LOW-FLOW PARTIAL-RECORD STATION—And number

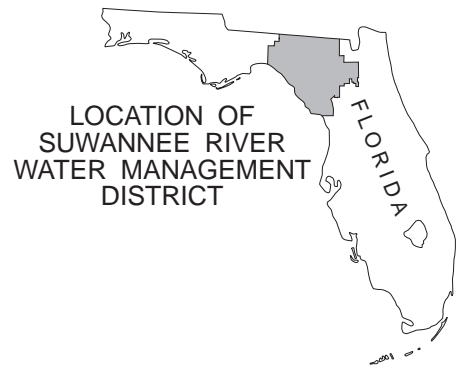


Figure 1. Location of Suwannee River Water Management District and stream-gaging stations used for estimating low-flow frequency statistics.

waters. Human activities cause alterations to the natural hydrologic regime and may have adverse impacts on the natural systems and their functions. Presently, however, natural-system hydrologic requirements

must be better understood to establish minimum flow and water-level requirements that will allow adequate water to balance present and future needs of the natural system with those of the human population.

Quantification of the natural hydrologic regime that has shaped the current natural system is basic to developing this understanding and achieving this balance.

The USGS (U.S. Geological Survey) and the SRWMD entered into a cooperative agreement in 1994 wherein the USGS will provide, in the course of a long-term program of investigation, the hydrologic information needed for the SRWMD to establish minimum flow and water level requirements for surface and ground waters of the SRWMD. This report is one of the program products and describes the magnitude and frequency of low streamflows.

Purpose and Scope

This report (1) discusses in general the factors affecting low-flow characteristics of streams, (2) presents commonly used low-flow statistics for 20 continuous-record and 31 other stations representing unregulated streamflow, based on records collected through the 1994 climatic year (April 1 of the name-sake year through March 31 of the following year), and (3) presents the results of four synoptic low-flow measurement surveys at 161 sites performed during 1990-96. Statistics included for analysis for continuous-record stations are monthly and annual 1-, 3-, 7-, 14-, and 30-consecutive day low flows for recurrence intervals of 2, 5, 10, 20, and, for some stations, 50 years. Only the annual statistics for the 31 other stations, are given for the 7- and 30-consecutive-day periods, and these for recurrence intervals of 2, 5, 10, and 20 years. The 20 continuous-record stations all have at least 10 years of continuous record and the other 31 stations have less than 10 years of continuous record or at least two low-flow measurements.

Previous Studies

Rumenik and Grubbs (1996a) presented low-flow frequency characteristics for 216 continuous-record and 242 partial-record stations for Florida, based on streamflow records collected through the 1987 water year (the 12-month period beginning October 1 and ending September 30). Rumenik and Grubbs (1996b) discussed several methods for estimating low-flow frequency characteristics at ungaged sites in northern Florida, including the Santa Fe River Basin. Franklin and others (1994) gave historical consecutive-day minimum average discharges for 27 gaging

stations in the SRWMD through the 1993 water year, but did not determine recurrence intervals in that study. Hunn and Slack (1983) described stream-aquifer relations in the Santa Fe River basin and provided low-flow frequency characteristics for six gaging stations through the 1976 water year. Hammett (1985) presented low-flow frequency characteristics for streams in west-central Florida including the Waccasassa River, based on records collected through the 1981 water year.

Acknowledgments

The authors would like to thank Paul Emeninger and Roger Rumenik, both with the U.S. Geological Survey, and John Good with the Suwannee River Water Management District, for their many helpful comments and suggestions made during the course of their reviews of this report. The authors also would like to thank Pat Mixson for manuscript preparation, Teresa Embry for manuscript editing, and Ron Spencer and Augustin Sepulveda for graphics; all the latter are with the U.S. Geological Survey.

STATISTICS USED IN THIS REPORT

Low flow of streams under natural conditions is usually comprised mostly of ground water, with little or no overland runoff component. Statistics describing the low flow of streams are useful in assessing water supply potential and the ability of streams to assimilate waste discharges. These statistics, together with information on water quality, may also be used as an index of the biological potential of streams. The meaning of the monthly and annual low-flow statistics for 1-, 3-, 7-, 14- and 30-consecutive days for recurrence intervals of 2, 5, 10, 20, and 50 years used in this report may be illustrated by the following example explanations. The low-flow $Q_{7,10}$ is the annual minimum 7-consecutive-day low flow which will be exceeded in 9 out of 10 years, on average, or, stated another way, the probability is one in ten (0.1) that the minimum 7-consecutive day average low flow in any year will be less than the low-flow $Q_{7,10}$. As another example, the low-flow $Q_{30,50}$ is the annual minimum 30-consecutive-day average low flow that will be exceeded in 49 years out of 50, or, stated another way, the probability is one in 50 (0.02) that the minimum 30-consecutive day average low flow in any year will

be less than the low-flow $Q_{30,50}$. Other annual statistics are interpreted similarly. The annual statistics are analyzed by the climatic year for north Florida, which begins April 1 of the namesake year. Monthly statistics are interpreted in a parallel manner to the annual statistics, except that months are considered separately. For example, the low-flow $Q_{7,10JUL}$ is the minimum 7-consecutive day low flow that will be exceeded in 9 out of 10 Julys.

Periods of low flows are often periods of maximum stress for aquatic species. Dissolved oxygen may be at a minimum at such times and concentrations of harmful substances may be at a maximum. Often, species may tolerate such adverse conditions for brief periods, but may experience high mortality rates under prolonged exposure. The logic of selecting various consecutive-day periods for analysis is related to the proposition that different species may have different periods of tolerance for given types of stress. The use of 1-, 7-, and 30-consecutive day periods, in particular, is based partly on the fact that many anthropogenic activities impacting streamflow and quality have daily, weekly, and monthly cycles. For example, many industries operate 8 hours a day then shut down for 16 hours; also, they may operate 5 days, then shut down for two.

Monthly low-flow statistics are given because lowest annual streamflows are not equally distributed among the months of the year and only low-flow magnitudes during certain periods are of interest for many uses, both natural and anthropogenic. For example, low flows as related to fish spawning may only be of concern during certain months and availability of water for water supply augmentation may only be needed during assigned months of the year. It should be noted that the magnitudes of the monthly statistics are equal to or greater than the annual statistics. If periods longer than a month had been chosen for analysis (for example, seasonal statistics), the magnitudes would have been equal to or greater than annual statistics but equal to or less than those of the minimum month included in the longer time period.

FACTORS AFFECTING LOW-FLOW CHARACTERISTICS OF STREAMS

Generally, controls on low-flow characteristics of streams fall in three categories--climatic, topographic, and geologic. The amounts and distribution of precipitation control low-flow characteristics such

that, all other factors being equal, areas receiving higher amounts of annual precipitation and less temporal variability have higher values for low-flow statistics than areas receiving lower amounts of precipitation and greater temporal variability. The SRWMD receives an average of 56 inches per year of precipitation (SRWMD, 1995), with July and August being the wettest months with two drier periods in the early fall and late spring. Areas closest to the Gulf of Mexico receive more precipitation than those further away, largely because of summer convective storms fueled by moisture from the Gulf. Generally, there are two annual low-flow periods in the SRWMD which correspond closely to the two drier periods. The lowest annual streamflows usually do not occur in mid-winter, both because precipitation is higher in the winter months than in the early fall (October and November) and late spring (May and June) and because evapotranspiration demands are at an annual low during those months. Although evapotranspiration demands are at a peak in the summer months, much of the higher precipitation during those months goes to recharge the ground water system, resulting in higher water levels to sustain base flow of streams and higher discharges than is the case during much of the fall and late spring.

Topography also exerts considerable control over low-flow characteristics of streams in the SRWMD which lies within the Southeastern Coastal Plain province of the United States, as delineated by Fenneman (1938). The District is covered by three physiographic regions of this province--the Gulf Coastal Lowlands, the Northern Highlands, and the River Valley Lowlands (fig. 2).

Topographic relief is not great enough to produce significant orographic effects with regard to the amounts and areal distribution of precipitation in the District. Maximum elevation in the SRWMD is only about 230 ft above NGVD (SRWMD, 1995), in the Northern Highlands region. However, the amount of water available from ground water storage to support streamflow is controlled in part by topography. Driving head differences between streams and aquifer systems during periods of no precipitation are partly a reflection of topographic relief.

Geology greatly affects low flows in the SRWMD. The carbonate Floridan aquifer system underlies or is at the surface of the entire SRWMD. The karstic terrane includes many springs and sink-holes. Springs may contribute greatly to low

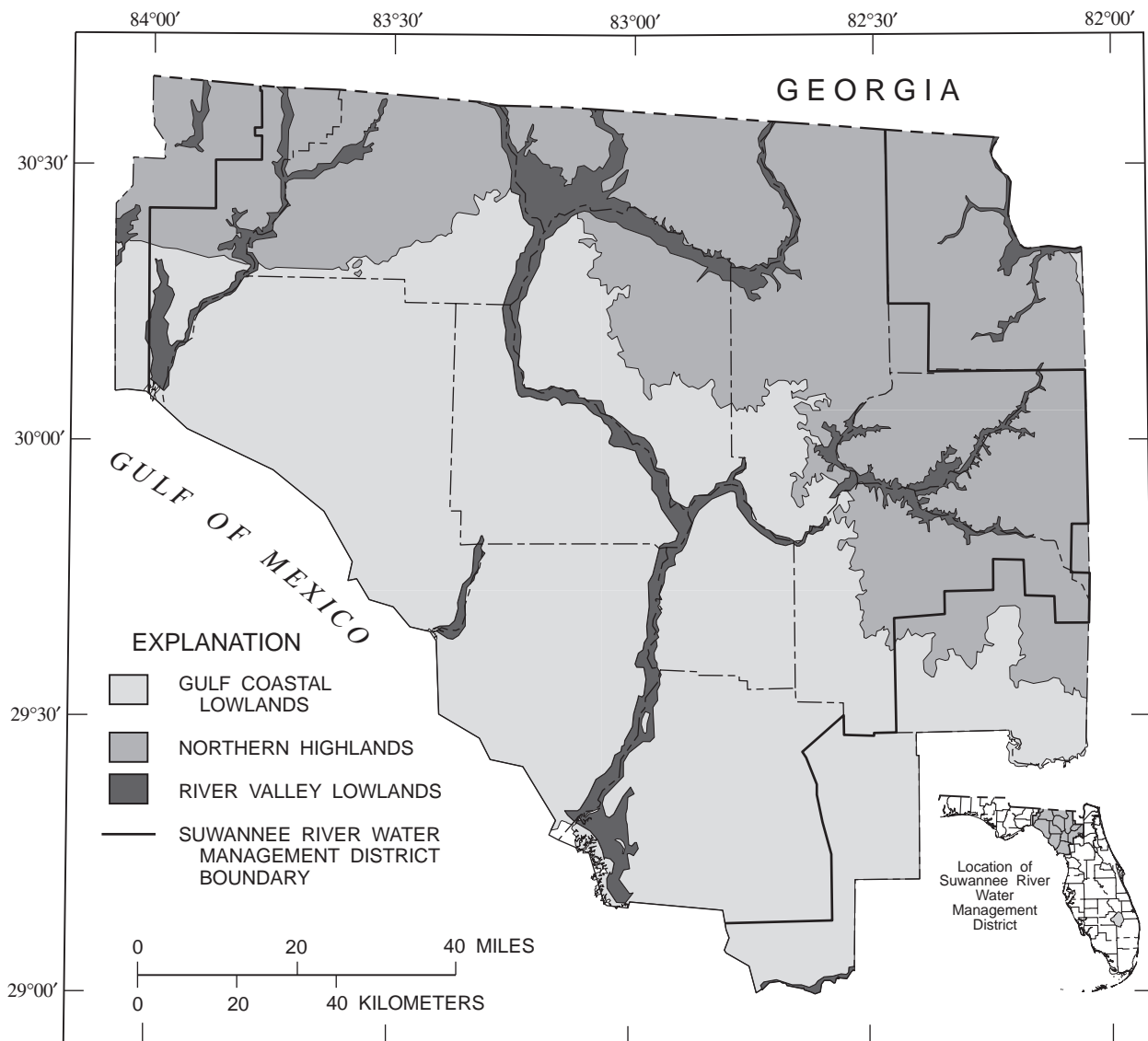


Figure 2. Physiographic regions within the SRWMD. (SRWMD, 1995)

streamflow, and the contributing areas of such springs may include areas outside the presumed surface drainage area of the springs. Conversely, water may enter sinkholes within a drainage basin, then reappear in springs downstream from a gage. Thus, the actual contributing drainage area at a gage may be more or less than would be indicated by surface topography. Primarily because of the effects of these karstic features on streamflow, low-flow characteristics of streams in the SRWMD may exhibit greater variability on a per-square-mile basis than non-karstic areas with similar climate and topography. Thus, prediction of low-flow characteristics at an ungaged stream site based on characteristics at a nearby gaged site carries a great deal of uncertainty.

Many of the smaller streams in the SRWMD go dry or have no flow for several months of the year, partly due to geology-related controls on streamflow. Others streams which are spring-fed may sustain relatively high streamflow while otherwise similar nearby streams may be dry or have no flow.

LOW-FLOW FREQUENCY ANALYSIS

The data base used for analysis of low-flow characteristics in the SRWMD includes daily discharges for 20 continuous-record gaging stations having at least 10 years of record as of the end of the 1994 climatic year, and 31 other stations having less than 10

years of continuous record or at least two discharge measurements during low-flow periods (fig. 1). Low-flow statistics defined for the 20 continuous-record gaging stations were developed by generating a time series of annual and monthly minimum average flows for 1, 3, 7, 14, and 30 consecutive days for each climatic year for each station. The values in each of the series were ranked from smallest to largest and fitted mathematically to the assumed log-Pearson type III distributions. The fitted distributions were then screened for outliers and adjusted graphically, if necessary. These procedures are given in detail by Riggs (1972). An example of fitted low-flow frequency curves for 1- and 30-consecutive-day periods for station 02321500, the Santa Fe River at Worthington Springs, is shown in fig. 3.

Where one or more zero values were present in a time series of annual low flows, a conditional probability adjustment was used (Interagency Advisory Committee on Water Data, 1982; Thomas, 1991). Only non-zero values are used in the log-Pearson

Type III analysis. Then, the probability of occurrence is adjusted using years of zero values; this results in greater probabilities of occurrence of the non-zero values than would be the case if the conditional adjustment was not performed. The recurrence intervals selected for tabulation from fitted distributions were the 2-, 5-, 10-, 20-, and, for some long-term gaging stations, 50-year recurrence intervals (app. I).

Statistics for only annual values are given in Appendix I for the 31 other stations, and these for the 7- and 30-consecutive day periods only, for recurrence intervals of 2 and 10 years, only. Many of the statistics for the 31 other stations are identical to those given in Rumenik and Grubbs (1996). Values differ from those given in that report in cases where the additional years of record available at a continuous-record station were available, or where additional years of record were available at a continuous-record station used as an index station for correlation with a partial-record station, or additional measurements at the partial-record station changed low-flow statistics at the partial-record site by more than 10 percent from Rumenik and Grubbs values,

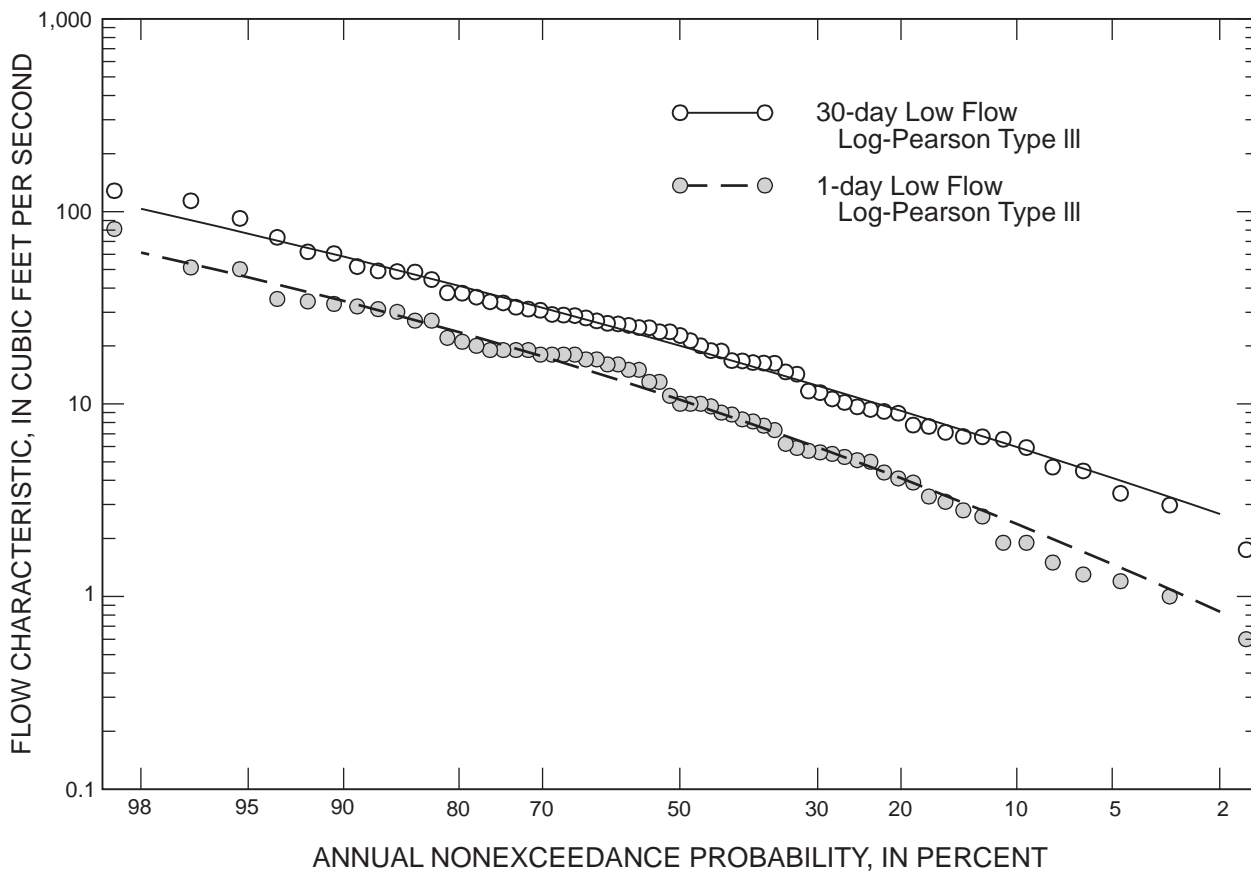


Figure 3. Low-flow frequency curves of the annual lowest 1- and 30-consecutive-day periods for station 02321500, Santa Fe River at Worthington Springs (J.W. Grubbs, U.S. Geological Survey, written commun., 1996).

as determined by graphical log-log regression. The low-flow frequency values for the partial-record stations reported in Rumenik and Grubbs (1996) were determined by first developing a log-log regression between base flow measurements at the partial-record station and daily mean flows at a nearby long-term continuous-record gage (index station) in the same precipitation pattern as the partial-record station. Then, knowing the low-flow statistic for the index station, the corresponding statistic for the low-flow partial-record station was determined from the relation. An example of this correlation technique is shown in fig. 4, in which station 02321500, Santa Fe River at Worthington Springs, is the index station and station 02321600, Olustee Creek near Lulu, is the low-flow partial-record station. It should be noted that the low-flow statistic for the par-

tial-record station will have a larger expected error than the corresponding statistic for the long-term continuous-record index station.

Rumenik and Grubbs (1996a) used a correlation technique called maintenance of variance extension, type 1, MOVE.1 (Hirsch, 1982), rather than this graphical technique, to develop the relation between the index station discharge and the partial-record station discharge in cases where 10 or more base flow measurements were available at a partial-record station. MOVE.1, unlike least squares regression, maintains the sample mean and variance of the dependent variable (Hirsch, 1982). Also, Stedinger and Thomas (1985) report that MOVE.1 provides nearly unbiased estimates of low-flow frequency characteristics and does not tend to overestimate low-flow characteristics.

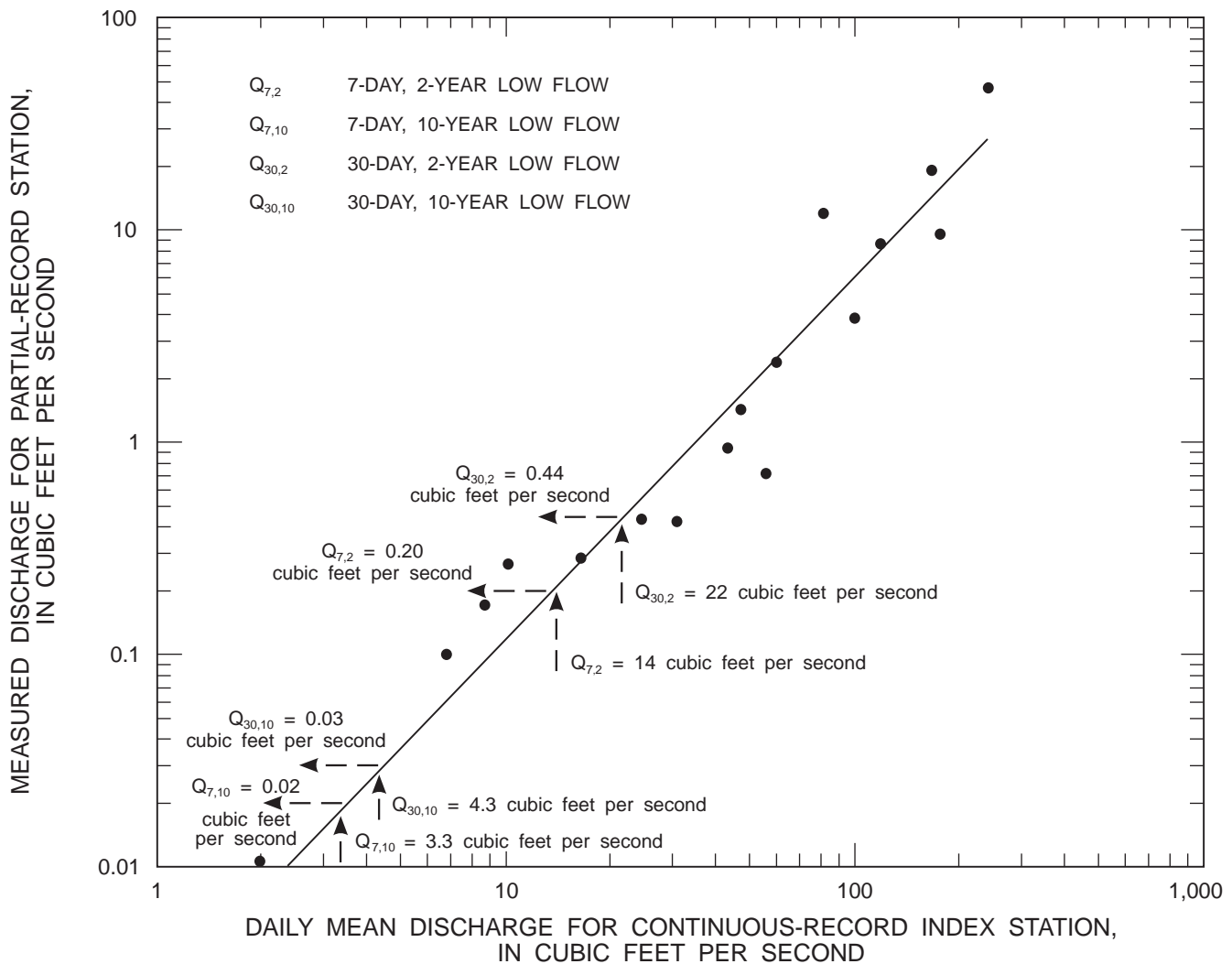


Figure 4. Discharge relation used to estimate selected low-flow characteristics at partial-record station 02321600, Olustee Creek near Lulu, from low-flow characteristics at index station 02321500, Santa Fe River at Worthington Springs. (From Rumenik and Grubbs, 1996a.)

Where fewer than 10 base flow measurements were available at a low-flow partial-record site, a best fit straight line was drawn by hand on log-log paper of plotted measured discharge at the partial-record site (dependent variable) and mean daily discharge at the continuous record index station (independent variable), as illustrated in the previous example (fig. 4).

For annual values, low-flow statistics ranged from zero for many small streams to a maximum of 5,500 ft³/s for the 30-day 2-year annual low flow for station 02323500, the Suwannee River near Wilcox (drainage area 9,640 mi²). Monthly low-flow statistics ranged from zero for many small streams to 13,800 ft³/s for the Q_{30,2MAR} (30-day 2-year low flow for the month of March) for the same station. The largest drainage area with a zero value for the Q_{30,2} annual

flow statistic was station 02313448, the Little Wacassassa River near Bronson, with a drainage area of 180 mi². The smallest drainage area with a non-zero value for the Q_{7,10} flow statistic was station 02322016, Blues Creek near Gainesville, with a drainage area of 5.12 mi².

LOW-FLOW SYNOPTIC SURVEYS

A total of four series of low-flow measurements on 161 mostly small streams were conducted during 1990, 1995, and 1996. The location of the measurement sites is shown in figure 5, and the measurement values are given in Appendix II. These four series of measurements were each conducted over a period of

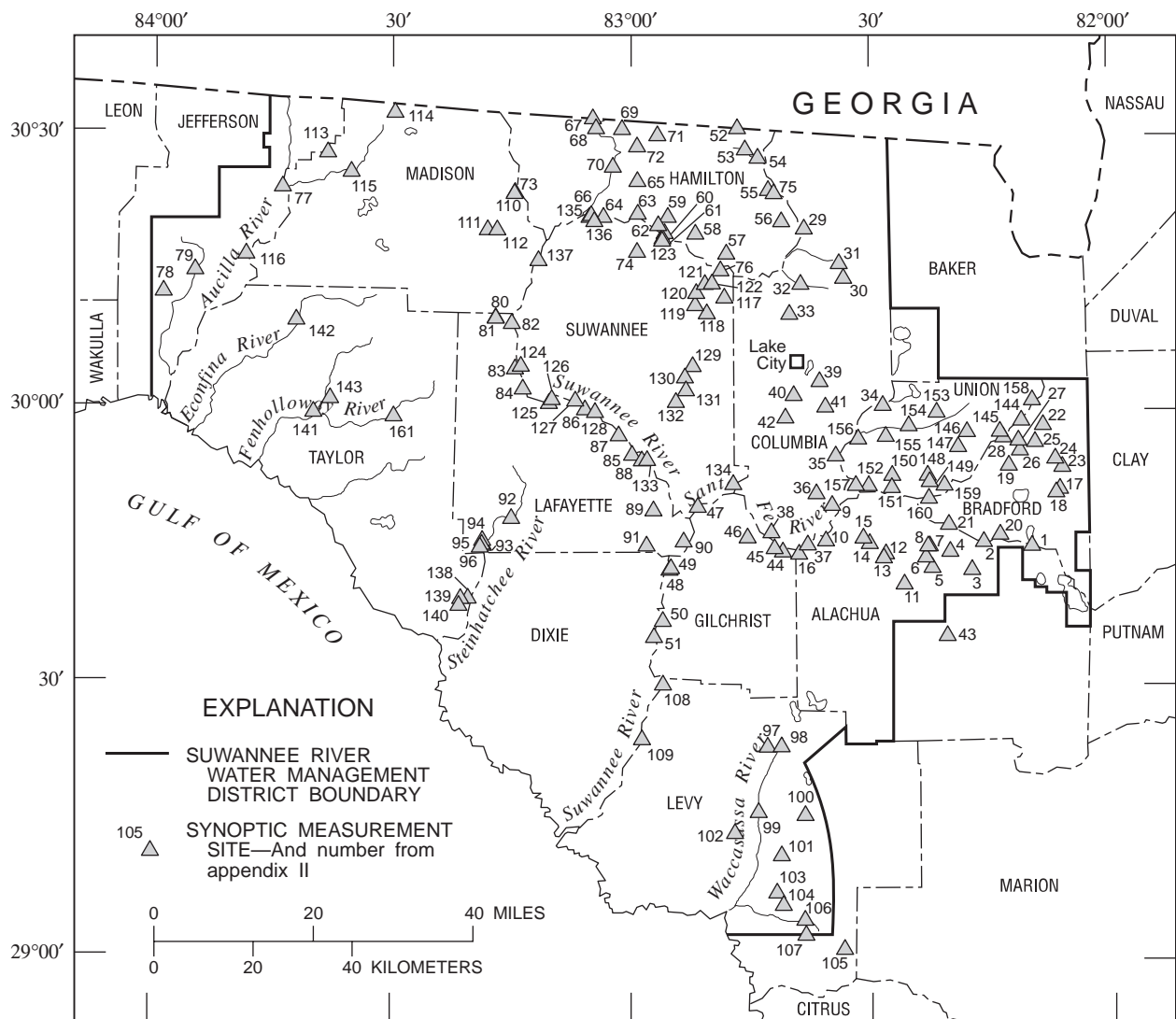


Figure 5. Location of low-flow synoptic measurement sites in the Suwannee River Water Management District.

several days or weeks during which little or no rain occurred and conditions were considered to be base flow. The measurements were made to provide “snapshots” of flow conditions on small streams throughout the SRWMD. Though the measurements were not made simultaneously, they are considered to provide a synoptic view, because general low-flow conditions did not vary substantially during the course of each survey. Based on analysis of ambient probabilities of low-flow occurrence at continuous-record stations within the SRWMD, low-flow magnitudes during the August and September 1990 series of measurements ranged from the $Q_{7,50}$ to the $Q_{7,20}$, except in Taylor and Dixie Counties, where the magnitudes ranged from the $Q_{7,5}$ to the $Q_{7,2}$ level; during the May, June and July 1995 and the November and December 1995 series, as well as the June 1996 series, the magnitudes were all greater in magnitude than the $Q_{7,2}$ level flows. Observations of no flow were recorded at many of the individual sites during one or more of the surveys. It is worth noting that if a particular low-flow statistic for a given site is known, then any low-flow statistic at that site for a shorter consecutive-day period and/or a longer recurrence interval will be less than or equal to that value. For example, for station 02326500, the Aucilla River at Lamont, the annual $Q_{14,10}$ low-flow value is zero (Appendix 1). Therefore, by the above, the annual $Q_{14,20}$ and the $Q_{14,50}$ values are also zero. Also, the $Q_{7,10}$, the $Q_{3,10}$, and the $Q_{1,10}$ are zero.

SUMMARY

Low-flow frequency statistics for 20 gaging stations having at least 10 years of continuous record and 31 other stations having less than 10 years of continuous record or at least two low-flow measurements are presented for unregulated streams in the Suwannee River Water Management District in north-central Florida. For the 20 continuous-record stations having at least 10 years of record, statistics included are the annual and monthly minimum consecutive-day average discharges for 1, 3, 7, 14, and 30 consecutive days for recurrence intervals of 2-, 5-, 10-, 20-, and, for some long-term stations, 50-year recurrence intervals, based on records available through the 1994 climatic year. Only annual statistics for recurrence intervals of 2 and 10 years are given for the 31 other stations for 7- and 30-consecutive day periods only. Annual low-flow statistics ranged from zero for many statistics for small streams to a maximum of 5,500 ft³/s for the $Q_{30,2}$ low-

flow for station 02323500, the Suwannee River near Wilcox (drainage area 9,640 mi²). Monthly low-flow statistics ranged from zero for many small streams to 13,800 ft³/s for the $Q_{30,2MAR}$ for the same station.

Generally, low-flow characteristics of streams in the Suwannee River Water Management District are controlled by climatic, topographic, and geologic factors. Geologic factors, in particular, greatly affect low flows in parts of many streams in the Suwannee River Water Management District. The carbonate Floridan aquifer system underlies or is at the surface of the entire SRWMD. The resulting karstic nature of much of the terrane results in many sinkholes and springs. Water may disappear into sinks in streambeds and reappear several miles downstream. Springs may contribute greatly to low streamflow, and the contributing areas of such springs may include areas outside the surface drainage area of the springs. In other places, water may enter sinkholes within a drainage basin, then reappear in springs downstream from a gage. Thus, the actual contributing drainage area at a gage may be more or less than would be indicated by surface topography. Many of the smaller streams in the SRWMD go dry or have no flow for several months in many years.

Four series of low-flow measurements on 161 mostly small streams were conducted during 1990, 1995, and 1996. The measurements were made to provide snapshots of flow conditions on small streams throughout the SRWMD. Low-flow magnitudes during the 1990 series of measurements ranged from the $Q_{7,50}$ to the $Q_{7,20}$ level, except for Taylor and Dixie Counties where magnitudes ranged between the $Q_{7,5}$ and $Q_{7,2}$ levels; during 1995 and 1996, magnitudes were all greater than the $Q_{7,2}$ level. Observations of no flow were recorded at many of the sites during all four series of measurements.

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APPENDIXES

Appendix I. Magnitude and frequency of low flows for gaging stations in the Suwannee River Water Management District, Florida

[Dashes indicate data not applicable; mi², square miles; ft³/s, cubic feet per second]

02313448 Little Waccasassa River near Bronson, Fla.

LOCATION.--Lat 29°28'34", long 82°41'13", in NW¹/₄ sec. 2, T.2S., R.16 E., on U.S. Highway Alternate 27, 2.8 miles upstream from mouth and 3.7 miles northwest of Bronson.
COUNTY.--Levy. HYDROLOGIC UNIT.--03110101.
DRAINAGE AREA.--180 mi². TRIBUTARY TO.--Waccasassa River.
TYPE OF SITE.--Crest-stage partial-record station, periodic measurement station, and low-flow partial-record station.
LOW-FLOW FREQUENCY.--Q_{7,2} = -- ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = -- ft³/s, Q_{30,10} = 0 ft³/s.
BASIS OF ESTIMATE.--Graphical correlation with 02314200 Tenmile Creek near Lebanon Station using 15 measurements and 15 observations of zero flow during 1973-81.

02313522 Magee Branch near Bronson, Fla.

LOCATION.--Lat 29°21'04", long 82°38'17", in SW¹/₄ sec.17, T.13 S., R.17 E., at culvert on State Highway 343, 6.6 miles south of Bronson and 7.4 miles upstream from mouth.
COUNTY.--Levy. HYDROLOGIC UNIT.--03110101.
DRAINAGE AREA.--43.3 mi². TRIBUTARY TO.--Waccasassa River.
TYPE OF SITE.--Low-flow partial-record station.
LOW-FLOW FREQUENCY.--Q_{7,2} = -- ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = -- ft³/s, Q_{30,10} = 0 ft³/s
BASIS OF ESTIMATE.--Comparison of 1 measurement and 5 observations of zero flow with flow data for same period with 02314200 Tenmile Creek near Lebanon Station during 1980-81.

02314134 Sand Slough near Lebanon Station, Fla.

LOCATION.--Lat 29°11'17", long 82°41'01", in SW¹/₄ sec.10, T.1 S., R.16 E., at bridge on U.S. Highway 19, 3.3 miles southeast of Lebanon Station.
COUNTY.--Levy. HYDROLOGIC UNIT.--03110101.
DRAINAGE AREA.--32.3 mi². TRIBUTARY TO.--Bullfrog Creek.
TYPE OF SITE.--Miscellaneous site and low-flow partial-record station.
LOW-FLOW FREQUENCY.--Q_{7,2} = 0 ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = 0 ft³/s, Q_{30,10} = 0 ft³/s
BASIS OF ESTIMATE.--Graphical correlation with 02314200 Tenmile Creek near Lebanon Station using 3 measurements and 1 observation of zero flow made during 1980-81.

02314200 Tenmile Creek at Lebanon Station, Fla.

LOCATION.--Lat 29°09'39", long 82°38'21", in NE¹/₄ sec.24, T.15 S., R.16 E., at bridge on U.S. Highway 19 and 98, 0.2 mile south of Lebanon Station, and 9.4 miles upstream from mouth.

COUNTY.--Levy. HYDROLOGIC UNIT.--03110101.

DRAINAGE AREA.--26 mi², approximately. TRIBUTARY TO.--Cow Creek.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1964 to March 1994.

REMARKS.--Records do not include considerable amount of water diverted naturally above station into Horse Hole Creek.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	<0.1	2.1	5.2	2.4	0.4	0.1	0.1	0.6	3.4	3.1	0.9	0.7	1.1
5	0	.5	1.1	.6	.1	<.1	<.1	.1	.5	.7	.2	.2	.3
10	0	.3	.4	.3	.6	0	0	.1	.2	.3	.1	.1	.1
20	0	.2	.2	.1	<.1	0	0	<.1	.1	.2	<.1	<.1	.1
50	0	.1	.1	.1	<.1	0	0	<.1	<.1	.1	0	0	<.1
3-DAY													
2	<0.1	2.6	6.0	2.9	0.5	0.1	0.1	0.8	4.7	4.1	1.0	0.7	1.1
5	0	.7	1.3	.7	.1	<.1	<.1	.2	.7	.9	.2	.2	.3
10	0	.3	.5	.3	.1	0	0	.1	.2	.4	.1	.1	.2
20	0	.2	.2	.2	<.1	0	0	<.1	.1	.2	<.1	.1	.1
50	0	.1	.1	.1	<.1	0	0	<.1	<.1	.1	0	<.1	<.1
7-DAY													
2	0.1	3.1	7.9	4.2	0.7	0.1	0.2	1.2	8.6	6.7	1.2	0.8	1.4
5	<.1	.8	1.7	.9	.2	<.1	<.1	.2	1.4	1.7	.2	.2	.3
10	0	.4	.6	.4	.1	<.1	0	.1	.4	.8	.1	.1	.2
20	0	.2	.3	.2	.1	<.1	0	<.1	.2	.5	.1	.1	.1
50	0	.1	.1	.1	<.1	0	0	<.1	.1	.2	<.1	<.1	<.1
14-DAY													
2	0.1	5.3	15	7.8	1.7	0.2	0.5	2.6	22	14	2.0	1.0	2.0
5	<.1	1.4	3.1	1.6	.4	.1	.1	.4	3.2	4.4	.4	.3	.5
10	<.1	.7	1.2	.7	.2	<.1	<.1	.2	.9	2.4	.1	.1	0.2
20	0	.4	.4	.30	.1	<.1	0	.1	.3	1.5	.1	.1	.1
50	0	.2	.1	0.1	<.1	<.1	0	<.1	.1	.9	<.1	>.1	.1
30-DAY													
2	0.2	13		20	6.9	0.6	3.4	13	64	42	9.1	2.6	3.7
5	.1	3.3		4.7	1.2	.1	.1	1.6	15	16	1.5	.6	.9
10	<.1	1.5		2.0	.5	.1	<.1	.4	5.7	10	.5	.2	.4
20	<.1	.8		1.0	.2	<.1	<.1	.1	2.3	7.0	.2	.1	.2
50	0	.4		.4	.1	<.1	<.1	<.1	.7	4.8	.1	<.1	.1

02324000 Steinhatchee River near Cross City, Fla.

LOCATION.--Lat 29°47'11", long 83°19'18", in NE $\frac{1}{4}$ sec.16, T.8 S., R.10 E., on bank 0.7 mile downstream from Atlantic Coast Line Railroad bridge, 13 miles upstream from mouth, and 16 miles northwest of Cross City..

COUNTY.--Taylor.

HYDROLOGIC UNIT.--03110102.

DRAINAGE AREA.--26 mi², approximately.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1950 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	10	96	168	130	53	19	16	40	88	76	31	30	44
5	5.8	35	63	48	22	9.4	7.2	14	24	28	13	15	19
10	4.3	20	35	27	15	6.9	5.1	7.6	11	16	8.5	10.7	12
20	3.5	12	21	17	11	5.5	3.9	4.6	5.7	10.4	5.9	8.3	8.8
50	2.7	6.6	11	9.2	7.5	4.4	3.0	2.6	2.6	6.3	4.0	6.3	6.2
	3-DAY												
2	11	103	177	144	58	20	17	43	99	83	34	31	46
5	6.0	37	66	52	23	9.8	7.5	15	26	30	14	15	19
10	4.5	20	36	29	15	7.2	5.2	8.0	12	18	9.2	10.9	12
20	3.5	12	21	17	11	5.6	4.0	4.8	6.2	11	6.3	8.5	9.0
50	2.8	6.7	11	9.5	7.5	4.4	3.0	2.7	2.8	6.8	4.2	6.5	6.3
	7-DAY												
2	12	116	199	163	73	22	20	53	118	100	40	34	51
5	6.4	41	75	59	28	11	8.3	18	32	37	16	16	20
10	4.8	22	42	34	17	7.6	5.5	9.5	15	22	10	12	13
20	3.9	13	25	21	12	6.0	4.1	5.6	7.8	14	6.8	9.1	9.3
50	3.0	6.9	14	12	7.8	4.7	3.0	3.1	3.6	8.5	4.4	7.0	6.5
	14-DAY												
2	13	150	259	205	101	28	28	93	172	144	54	39	67
5	7.4	51	100	75	35	12	10	27	47	53	20	18	25
10	5.4	27	56	43	21	8.6	6.4	13	22	32	12	13	16
20	4.2	15	34	27	14	6.5	4.5	7.2	12	21	8.1	9.7	11
50	3.2	7.7	18	16	8.6	4.9	3.1	3.4	5.3	14	5.1	7.3	7.1
	30-DAY												
2	17	223		319	178	53	51	176	348	280	108	53	93
5	8.7	81		119	62	20	17	48	112	105	36	23	35
10	6.3	45		69	36	12	9.7	23	56	63	21	16	21
20	4.9	26		43	23	8.5	6.2	12	30	41	13	12	14
50	3.8	14		25	14	5.7	3.8	5.3	14	25	7.8	9.4	9.1

**02325500 Spring Creek near Perry, Fla.
(formerly Rocky Creek near Perry)**

LOCATION.--Lat 30°04'48", long 82°39'47", in SE $\frac{1}{4}$ sec.6, T.5 S., R.7 E., at bridge on State Highway 30 at Hampton Springs, and 0.8 mile upstream from mouth.

COUNTY.--Taylor.

HYDROLOGIC UNIT.--03110102.

DRAINAGE AREA.--90 mi².

TRIBUTARY TO.--Fenholloway River.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.--Q_{7,2} = 45 ft³/s, Q_{7,10} = 22 ft³/s; Q_{30,2} = 47 ft³/s, Q_{30,10} = 25 ft³/s

BASIS OF ESTIMATE.--Analytical correlation with 02326000 Econfina Creek near Perry using 45 measurements made during 1950-80

02325950 Econfina River near Eridu, Fla.

LOCATION.--Lat 30°10'14", long 83°49'26", in NE $\frac{1}{4}$ sec.2, T.3 S., R.6 E., at bridge on U.S. Highway 27, 4.4 miles southeast of Eridu.

COUNTY.--Taylor.

HYDROLOGIC UNIT.--03110102.

DRAINAGE AREA.--158 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.--Q_{7,2} = 0.3 ft³/s, Q_{7,10} = <.1 ft³/s; Q_{30,2} = 0.4 ft³/s, Q_{30,10} = 0.01 ft³/s

BASIS OF ESTIMATE.--Graphical correlation with 02326000 Econfina River near Perry using three measurements made during 1965-67.

02326000 Econfina River near Perry, Fla.

LOCATION.--Lat 30°10'14", long 83°49'26", in NE $\frac{1}{4}$ sec.4, T.4 S., R.5 E., on bridge on country road, 3.9 miles upstream from bridge on U.S. 98 Highway, 14 miles upstream from mouth, and 14.7 miles northwest of Perry.

COUNTY.--Taylor.

HYDROLOGIC UNIT.--03110102.

DRAINAGE AREA.--198 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1950 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	18	47	86	90	52	29	26	35	43	37	26	25	36
5	10	20	34	37	26	18	14	16	20	20	15	14	14
10	7.1	12	20	22	19	14	10	11	14	15	11	10	10
20	5.1	8.6	12	14	15	12	8.0	7.5	11	11	8.7	7.9	8.5
50	3.4	5.6	7.1	7.9	11	10	6.0	5.1	7.6	8.5	6.7	6.0	7.1
3-DAY													
2	19	49	90	97	54	30	27	37	47	30	27	25	27
5	10	20	35	38	27	18	15	17	21	20	15	14	14
10	7.3	13	20	22	19	15	11	11	15	15	11	10	11
20	5.3	8.7	13	14	15	12	8.4	7.8	11	11	8.8	7.9	8.7
50	3.6	5.7	7.2	7.9	11	11	6.4	5.3	7.7	8.4	6.8	6.0	7.3
7-DAY													
2	19	53	100	108	61	32	28	39	53	42	28	26	30
5	11	21	38	41	29	19	15	17	23	21	15	14	15
10	7.5	13	22	24	20	15	11	11	15	15	11	10	11
20	5.4	8.9	13	15	15	13	8.6	8.1	11	12	9.0	8.1	8.6
50	3.7	5.7	7.3	8.4	11	11	6.5	5.5	7.2	8.7	7.0	6.2	6.9
14-DAY													
2	19	63	123	133	79	36	35	46	68	50	33	27	35
5	11	26	44	48	34	20	17	20	27	24	16	15	16
10	7.8	16	24	27	23	16	12	13	17	17	12	11	11
20	5.7	11	14	16	16	13	9.6	9.4	11	13	9.3	8.8	8.7
50	4.0	6.8	7.3	8.5	12	11	7.3	6.3	7.3	10	7.2	6.9	6.8
30-DAY													
2	21	90		180	124	53	53	70	107	74	43	31	45
5	12	35		65	47	26	23	27	39	31	19	16	19
10	8.4	21		36	29	18	15	16	22	20	13	12	12
20	6.2	13		21	19	14	10	11	14	15	10	9.4	9.0
50	4.4	7.7		11	12	10	7.1	6.5	7.8	10	7.6	7.5	6.5

02326250 Aucilla River near Aucilla, Fla.

LOCATION.--Lat 30°29'31", long 83°43'53", in NW $\frac{1}{4}$ sec.16, T.1 N., R.6 E., at bridge on State Highway 257, 90, 1.3 miles northeast of Aucilla and 48 miles upstream from mouth.

COUNTY.--Jefferson.

HYDROLOGIC UNIT.--03110103.

DRAINAGE AREA.--354 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Crest-stage partial-record station and miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 1.0 \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = 1.4 \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical relation with 02326500 Aucilla River at Lamont using 7 measurements made during 1956-73.

02326389 Wolf Creek at State Highway 158 near Aucilla, Fla.

LOCATION.--Lat 30°29'29", long 83°47'12", in NW $\frac{1}{4}$ sec.13, T.1 N., R.5 E., at bridge on State Highway 158, 2 miles northwest of Aucilla.

COUNTY.--Jefferson.

HYDROLOGIC UNIT.--03110103.

DRAINAGE AREA.--37.4 mi².

TRIBUTARY TO.--Aucilla River.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0 \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = 0 \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Comparison of 3 observations of zero flow to flow conditions at index stations 02326000 Econfina Creek near Perry and 02326500 Aucilla River at Lamont in 1966-67 and 1981.

02326391 Wolf Creek near Aucilla, Fla.

LOCATION.--Lat 30°28'00", long 83°45'42", in SE $\frac{1}{4}$ sec.19, T.1 N., R.6 E., at bridge on State Highway 257, 0.8 mile south of Aucilla.

COUNTY.--Jefferson.

HYDROLOGIC UNIT.--03110103.

DRAINAGE AREA.--42.5 mi².

TRIBUTARY TO.--Aucilla River.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = -- \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = -- \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Comparison of 2 observations of zero flow to flow conditions at index stations, 02326000 Econfina Creek near Perry and 02326500 Aucilla River at Lamont in 1956 and 1966.

02326500 Aucilla River at Lamont, Fla.

LOCATION.--Lat 30°22'11", long 83°48'25", in NE¹/₄ sec.27, T.1 S., R.5 E., at bridge on U.S. Highway 19, 0.6 mile southeast of Lamont and 34 miles upstream mouth.

COUNTY.--Madison.

HYDROLOGIC UNIT.--03110103.

DRAINAGE AREA.--747 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1950 to September, 1979; November 1983 to March 1992.

REMARKS.--Pumpage above and below station for irrigation during dry seasons. Low-head dam constructed 0.6 mile below gaging station in 1963.

MAGNITUDE AND FREQUENCY OF ANNUAL MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	17	69	176	228	155	60	29	34	38	26	20	17	22
5	1.6	13	32	40	33	12	6.9	9.0	9.3	6.1	2.5	3.4	5.4
10	0	4.0	9.1	11	12	4.2	3.0	4.1	4.0	2.6	.5	1.2	2.7
20	0	.9	1.7	2.0	5.0	1.5	1.9	1.7	1.5	1.2	.1	.3	1.6
50	0	0	0	0	1.6	.4	0	0	0	.5	0	0	0
3-DAY													
2	16	90	190	241	166	64	31	49	42	27	18	18	23
5	2.1	12	34	42	36	13	7.4	8.2	10	6.4	2.8	3.6	5.7
10	0	2.9	9.5	12	13	4.7	3.3	2.4	4.2	2.7	.8	1.2	2.8
20	0	.7	1.7	2.2	5.4	1.7	1.3	.8	1.5	1.3	.2	.3	1.6
50	0	.1	0	0	1.7	.5	0	.2	0	.5	0	0	0
7-DAY													
2	15	99	219	304	190	67	35	50	52	32	18	19	25
5	3.0	14	38	42	41	16	8.6	9.6	12	7.3	3.5	4.3	5.9
10	0	3.8	10	9.8	15	6.5	3.9	3.4	4.8	3.2	1.3	1.7	2.9
20	0	1.0	1.7	2.3	6.2	2.9	1.7	1.3	1.6	1.5	.4	.5	1.7
50	0	0.20	0	.4	2.0	1.1	0	.4	0	.6	0	0	.9
14-DAY													
2	15	135	289	362	252	83	50	57	65	41	24	20	31
5	3.8	20	52	54	54	19	11	11	14	8.9	4.0	4.9	7.1
10	0	5.2	14	14	21	8.1	4.8	4.2	5.5	3.9	1.4	2.0	3.5
20	0	1.4	2.3	3.6	8.4	3.7	1.8	1.7	1.8	1.9	.6	.7	2.0
50	0	.2	0	.6	2.8	1.5	0	.6	0	.8	.2	0	1.1
30-DAY													
2	20	197		467	379	137	101	79	109	67	32	23	45
5	2.9	31		91	79	32	15	16	18	15	6.7	5.7	9.9
10	.4	8.4		30	30	13	4.7	6.2	5.3	6.6	3.1	2.7	4.6
20	0	2.4		11	12	6.3	1.6	2.6	1.7	3.3	1.6	1.5	2.5
50	0	.5		2.9	4.2	2.5	.4	.9	.4	1.5	.8	.8	1.3

02326512 Aucilla River near Scanlon, Fla.

LOCATION.--Lat 30°13'52", long 83°48'25", in SW $\frac{1}{4}$ sec.10, T.3 S., R.4 E., on bank, 3 miles west of Cabbage Grove, 6.9 miles north of Scanlon, 12 miles southwest of Lamont, and 14 miles upstream from mouth.

COUNTY.--Taylor.

HYDROLOGIC UNIT.--03110103.

DRAINAGE AREA.--805 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1977 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	43	151	483	702	290	100	64	86	100	78	54	51	81
5	31	56	201	331	125	47	41	42	48	43	35	32	34
10	25	36	117	199	84	34	35	30	34	33	27	27	24
20	20	25	71	123	62	26	31	24	26	27	21	24	19
3-DAY													
2	44	161	506	772	306	104	67	89	108	83	55	52	85
5	31	60	210	355	132	48	42	43	50	44	35	33	34
10	25	38	122	210	89	34	35	31	35	33	27	27	24
20	20	26	74	127	66	27	31	24	27	27	22	24	19
7-DAY													
2	45	172	557	862	345	114	74	96	122	95	58	55	92
5	32	62	229	380	153	51	46	45	54	47	36	34	35
10	26	38	131	221	104	36	37	32	37	34	28	28	24
20	21	27	78	133	77	27	32	25	27	27	22	24	19
14-DAY													
2	47	223	689	1070	424	130	101	109	150	114	65	59	110
5	33	86	274	457	192	58	54	50	63	53	38	36	41
10	26	55	152	258	132	40	40	35	40	37	29	30	27
20	21	39	89	151	99	30	31	27	28	28	23	26	20
30-DAY													
2	51	355		1400	611	187	139	180	233	154	87	76	139
5	35	134		608	279	80	64	70	83	66	45	39	48
10	28	81		345	190	53	44	43	48	44	32	29	31
20	23	54		201	141	38	33	29	31	32	23	24	22

02326526 Wacissa River near Wacissa, Fla.

LOCATION.--Lat 30°18'04", long 83°58'47", in NE $\frac{1}{4}$ sec.24, T.2 S., R.3 E., near bank, 2.1 miles upstream from Welaunee Creek, and 4.0 miles south of Wacissa.
COUNTY.--Jefferson. HYDROLOGIC UNIT.--03110103.
DRAINAGE AREA.--Not determined TRIBUTARY TO.--Aucilla River.
TYPE OF SITE.--Periodic measurement station.
LOW-FLOW FREQUENCY.-- $Q_{7,2} = 289 \text{ ft}^3/\text{s}$, $Q_{7,10} = 236 \text{ ft}^3/\text{s}$; $Q_{30,2} = 305 \text{ ft}^3/\text{s}$, $Q_{30,10} = 247 \text{ ft}^3/\text{s}$
BASIS OF ESTIMATE.--Correlation analysis with 02326900 St. Marks River near Newport using 27 measurements made during 1971-76.

02326529 Welaunee Creek near Capps, Fla.

LOCATION.--Lat 30°20'25", long 83°54'50", in NE $\frac{1}{4}$ sec.3, T.2 S., R.4 E., at bridge on country road, 5.0 miles south of Capps.
COUNTY.--Jefferson. HYDROLOGIC UNIT.--03110103.
DRAINAGE AREA.-- 98.9 mi². TRIBUTARY TO.--Aucilla River.
TYPE OF SITE.--Miscellaneous site.
LOW-FLOW FREQUENCY.-- $Q_{7,2} = \text{--} \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = \text{--} \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$
BASIS OF ESTIMATE.--Graphical relation with 02326500 Aucilla River at Lamont using 2 measurements and 2 observations of zero flow during 1956 and 1965-67.

02314986 Rocky Creek near Belmont, Fla.

LOCATION.--Lat 30°32'40", long 82°44'02", in SE $\frac{1}{4}$ sec.29, T.2 N., R.16 E., at bridge on Woodpecker Road, 1.4 miles upstream from mouth, and 3.0 miles north of Belmont.
COUNTY.--Hamilton. HYDROLOGIC UNIT.--03110201.
DRAINAGE AREA.-- 50 mi², approximately. TRIBUTARY TO.--Suwannee River.
TYPE OF SITE.--Periodic measurement station and continuous-record gaging station.
LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0.1 \text{ ft}^3/\text{s}$, $Q_{7,10} = <.1 \text{ ft}^3/\text{s}$; $Q_{30,2} = 0.2 \text{ ft}^3/\text{s}$, $Q_{30,10} = <.1 \text{ ft}^3/\text{s}$
BASIS OF ESTIMATE.--Analytical correlation with 02229000 Middle Prong St. Mary's River at Taylor using 17 measurements and two observations of zero flow during 1978-82.
REMARKS.--Operated as a continuous-record streamflow station during 1976-82.

02315000 Suwannee River near Benton, Fla.

LOCATION.--Lat 30°30'26", long 82°42'59", in NE $\frac{1}{4}$ sec.9, T.1 N., R.16 E., at bridge on State Highway 6, 3.7 miles northeast of Benton and 196 miles upstream from mouth.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 2,090 mi², approximately.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1976-March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	27	413	1260	1730	605	152	94	156	164	208	93	88	165
5	8.0	91	350	651	250	52	24	32	33	49	18	24	39
10	4.2	38	160	351	166	30	12	13	14	19	6.7	12	19
20	2.4	17	79	200	122	19	6.6	5.6	6.4	8.4	2.9	6.6	10
3-DAY													
2	28	452	1310	1830	651	163	100	165	178	234	97	91	173
5	8.8	98	373	680	269	56	26	33	36	56	19	25	40
10	4.8	40	174	363	180	32	13	13	15	22	7.5	13	19
20	2.9	18	87	204	132	21	7.3	6.0	6.9	9.5	3.3	7.0	11
7-DAY													
2	30	495	1420	2000	741	187	127	187	208	271	107	102	188
5	10	105	431	738	309	65	33	43	43	66	22	29	43
10	6.0	42	212	392	206	38	16	19	18	27	9.2	14	20
20	3.9	19	113	219	152	24	9.0	9.4	8.2	11	4.4	8.0	11
14-DAY													
2	33	574	1750	2440	921	243	162	243	259	345	124	121	223
5	12	122	582	874	387	89	45	59	52	90	29	34	49
10	6.9	50	306	459	258	53	23	26	21	39	13	17	22
20	4.6	22	173	254	189	35	13	13	9.9	18	7.1	9.3	12
30-DAY													
2	43	980		3220	1450	466	260	353	461	487	188	182	324
5	17	241		1160	615	177	77	93	109	131	43	52	67
10	11	103		625	402	107	41	44	47	59	19	26	29
20	7.4	48		353	287	71	24	23	23	29	9.6	14	14

02315200 Deep Creek near Suwannee Valley, Fla.

LOCATION.--Lat 30°21'55", long 82°37'13", in NW $\frac{1}{4}$ sec.33, T.1 S., R.17 E., at bridge on State Highway 441, 4.0 miles upstream from mouth, and 7.2 miles northeast of Suwannee Valley.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 88.6 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0.41$ ft³/s, $Q_{7,10} = 0.08$ ft³/s; $Q_{30,2} = 0.69$ ft³/s, $Q_{30,10} = 0.13$ ft³/s

BASIS OF ESTIMATE.--Analytical correlation with 02229000 Middle Prong St. Marys Rivers at Taylor using 17 measurements made during 1978-81.

REMARKS.--Operated as a continuous-record streamflow station during 1976-81.

02315392 Robinson Creek near Suwannee Valley, Fla.

LOCATION.--Lat 30°18'56", long 82°38'41", in SW $\frac{1}{4}$ sec.17, T.2 S., R.17 E., at bridge on State Highway 246, 3.4 miles upstream from mouth, and 4.1 miles east of Suwannee Valley.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 27.4 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0.20$ ft³/s, $Q_{7,10} = <.1$ ft³/s; $Q_{30,2} = 0.4$ ft³/s, $Q_{30,10} = <.1$ ft³/s

BASIS OF ESTIMATE.--Analytical correlation with 02229000 Middle Prong St. Marys Rivers at Taylor using 29 measurements and one observation of zero flow during 1976-82.

REMARKS.--Operated as a continuous-record streamflow station during 1976-81.

02315500 Suwannee River at White Springs, Fla.

LOCATION.--Lat 30°19'32", long 83°44'18", in SW $\frac{1}{4}$ sec.8, T.2 S., R.16 E., on left bank near bridge on U.S. Highway 41, 1.0 mile southeast of White Springs and 171 miles upstream from mouth.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.--2,430 mi²., approximately.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1907 to March 1908 and April 1927 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	64	418	791	1030	680	220	138	278	467	458	243	164	188
5	21	105	184	263	174	63	41	78	116	112	57	48	54
10	11	48	77	115	78	30	22	37	52	47	26	25	28
20	6.4	24	36	55	39	16	13	20	25	22	13	15	16
50	3.4	11	14	22	17	7.6	7.1	9.1	11	8.6	6.1	8.1	8.7
3-DAY													
2	66	442	827	1090	722	233	147	305	506	481	253	169	196
5	21	110	191	277	183	66	43	87	124	118	59	49	55
10	11	50	80	120	82	32	23	42	55	51	27	26	28
20	6.6	25	37	57	40	17	13	22	27	24	14	15	16
50	3.5	11	14	23	17	7.9	7.3	10	11	9.4	6.3	8.3	8.8
7-DAY													
2	70	483	941	1200	826	262	165	358	587	558	284	182	215
5	23	117	214	315	204	73	49	101	143	138	65	52	60
10	12	52	88	141	90	35	26	49	63	59	29	27	31
20	7.0	26	39	69	43	18	15	26	30	27	15	16	18
50	3.7	11	15	29	18	8.5	8.4	12	12	11	6.6	8.8	9.5
14-DAY													
2	77	598	1200	1460	1049	323	209	467	751	711	340	206	253
5	25	141	270	395	253	89	62	137	179	178	78	58	68
10	13	61	108	180	110	42	33	67	76	77	36	30	34
20	7.7	29	47	89	52	22	20	36	35	36	18	18	19
50	4.2	12	17	38	21	10	11	17	14	14	8.7	9.7	10
30-DAY													
2	97	857		2060	1576	581	362	790	1171	1061	564	281	361
5	31	203		570	384	151	110	233	313	281	125	76	92
10	17	88		258	166	68	58	111	140	127	54	38	44
20	9.7	42		125	79	34	34	57	67	63	27	21	24
50	5.2	17		51	32	14	19	25	27	27	12	111	12

02315532 Rocky Creek near Houston, Fla.

LOCATION.--Lat 30°18'56", long 82°50'42", in NW $\frac{1}{4}$ sec.17, T.2 S., R.15 E., at bridge on State Highway 136, 2.5 miles upstream from mouth, 5.3 miles northeast of Houston.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 25.3 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.--Q_{7,2} = 0 ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = 0 ft³/s, Q_{30,10} = 0 ft³/s

BASIS OF ESTIMATE.--Comparison of 4 zero flow observations with daily flow record at 02229000 Middle Prong St. Marys River at Taylor and 02315392 Robinson Creek near Suwannee Valley during 1978 and 1981.

02315542 Camp Branch near Genoa, Fla.

LOCATION.--Lat 30°24'25", long 82°51'54", in NE $\frac{1}{4}$ sec.13, T.1 S., R.14 E., on State Highway S-132, 1.8 miles west of Genoa, and 3.5 miles upstream from mouth.

COUNTY.--Hamilton.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 6.1 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.--Q_{7,2} = 0 ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = 0 ft³/s, Q_{30,10} = 0 ft³/s

BASIS OF ESTIMATE.--Comparison of seven observations of zero flow with 02315392 Robinson Creek near Suwannee Valley during 1978-81.

02315500 Suwannee River at Suwannee Springs, Fla.

LOCATION.--Lat 30°23'34", long 82°56'00", in NE $\frac{1}{4}$ sec.20, T.1 S., R.14 E., at river bank in town of Suwannee Springs, and 150 miles upstream from mouth.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- 2,630 mi²., approximately.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1975 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	165	615	1740	2210	1070	461	366	395	426	448	280	245	305
5	98	238	572	910	463	219	177	182	178	200	131	131	138
10	74	147	289	528	307	151	126	124	118	127	88	95	97
20	58	100	156	322	221	112	97	91	85	87	63	72	74
3-DAY													
2	167	671	1820	2280	1130	472	375	114	444	469	286	255	323
5	100	255	593	942	490	224	181	187	184	208	134	134	142
10	76	155	298	546	325	154	129	127	120	132	90	96	98
20	60	103	160	334	234	115	99	93	86	90	65	73	75
7-DAY													
2	172	729	1990	2490	1260	510	399	456	494	525	303	270	349
5	102	268	675	1020	546	237	189	201	198	230	137	140	149
10	79	160	350	590	361	162	133	133	126	144	93	99	101
20	63	105	194	357	260	119	101	96	89	96	68	74	76
14-DAY													
2	179	823	2300	3030	1520	596	449	526	584	657	332	301	394
5	106	294	867	1240	645	267	206	230	222	274	152	150	159
10	81	172	487	706	423	177	141	152	136	165	104	103	105
20	66	110	292	418	300	128	104	109	92	105	78	76	77
30-DAY													
2	192	1260		3800	2220	920	590	677	856	857	452	372	531
5	114	439		1580	940	392	258	269	315	347	191	175	200
10	88	246		891	592	247	170	265	184	206	123	116	126
20	72	149		524	400	168	122	110	117	131	86	81	87

301929082464400 Suwannee River near White Springs, Fla.

LOCATION.--Lat 30°19'28", long 82°46'44", in NE $\frac{1}{4}$ sec.20, T.1 S., R.14 E., at river bank in town of Suwannee Springs, and 150 miles upstream from mouth.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- Not determined.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 95 \text{ ft}^3/\text{s}$, $Q_{7,10} = 15 \text{ ft}^3/\text{s}$; $Q_{30,2} = 110 \text{ ft}^3/\text{s}$, $Q_{30,10} = 21 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02315500 Suwannee River at White Springs using four measurements made during 1977-78.

302025082484400 Suwannee River below Blue Sink near White Springs, Fla.

LOCATION.--Lat 30°20'25", long 82°48'44", in SE $\frac{1}{4}$ sec.11, T.2 S., R.15 E., miles southwest of White Springs and 4.4 miles southeast of Genoa.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- Not determined.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 85 \text{ ft}^3/\text{s}$, $Q_{7,10} = 21 \text{ ft}^3/\text{s}$; $Q_{30,2} = 110 \text{ ft}^3/\text{s}$, $Q_{30,10} = 27 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02315500 Suwannee River at White Springs using four measurements made during 1977-78.

302547083043700 Suwannee River near Ellaville, Fla.

LOCATION.--Lat 30°25'47", long 83°04'37", in NW $\frac{1}{4}$ sec.1, T.1 S., R.12 E., 6.4 miles northeast of Ellaville, and 8.6 miles northwest of Suwannee Springs.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110201.

DRAINAGE AREA.-- Not determined.

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 360 \text{ ft}^3/\text{s}$, $Q_{7,10} = 250 \text{ ft}^3/\text{s}$; $Q_{30,2} = 380 \text{ ft}^3/\text{s}$, $Q_{30,10} = 265 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02315550 Suwannee River at Suwannee Springs using four measurements made during 1977-78.

02317620 Alapaha River near Jennings, Fla.

LOCATION.--Lat 30°35'53", long 82°04'24", in SE $\frac{1}{4}$ sec.32, T.2 N., R.12 E., at bridge on State Highway 150, 1.6 miles southeast of Jennings, and 20 miles upstream from mouth.

COUNTY.--Hamilton.

HYDROLOGIC UNIT.--03110202.

DRAINAGE AREA.-- 1,680 mi², approximately.

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Miscellaneous site and continuous-record gaging station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 81 \text{ ft}^3/\text{s}$, $Q_{7,10} = 42 \text{ ft}^3/\text{s}$; $Q_{30,2} = 97 \text{ ft}^3/\text{s}$, $Q_{30,10} = 46 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Analytical correlation with 02317500 Alapaha River at Statenville, Ga., using 21 measurements made during 1977-87.

REMARKS.--Operated as a continuous-record streamflow station during 1976-84.

02317630 Alapaha River near Jasper Fla.

LOCATION.--Lat 30°31'42", long 82°02'17", in SE $\frac{1}{4}$ sec.32, T.2 N., R.13 E., at bridge on U.S. Highway 41, 5.4 miles west of Jasper and 11 miles upstream from mouth.

COUNTY.--Hamilton.

HYDROLOGIC UNIT.--03110202.

DRAINAGE AREA.-- 1,720 mi², approximately.

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Crest-stage partial-record station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0 \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = 0 \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Relation of concurrent flow data with 02317500 Alapaha River at Statenville, Ga., using 15 measurements and 14 observations of zero flow during 1948-84.

REMARKS.--At low-water stages the Alapaha River enters a group of sinks seven miles above the gaging station, mixes with the ground-water flow, and reappears 18 miles downstream near the Suwannee River.

02319000 Withlacoochee River near Pinetta, Fla.

LOCATION.--Lat 30°35'43", long 83°15'35", in NW $\frac{1}{4}$ sec.7, T.2 N., R.11 E., on bank near bridge, 5.6 miles east of Pinetta, and 22 miles upstream mouth.

COUNTY.--Madison.

HYDROLOGIC UNIT.--03110203.

DRAINAGE AREA.--2,120 mi²., approximately.

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1932 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	138	484	1140	1260	730	327	259	280	305	210	172	143	198
5	106	202	457	590	356	202	163	158	162	134	114	110	111
10	94	129	269	376	245	162	134	124	122	110	96	104	91
20	85	90	169	252	180	138	116	104	100	69	85	102	81
50	77	60	97	156	128	117	101	88	81	84	76	101	74
3-DAY													
2	141	517	1190	1350	771	342	268	293	326	216	175	145	205
5	107	211	473	627	372	208	166	163	168	137	115	112	114
10	95	133	277	397	255	166	136	127	125	113	97	107	93
20	86	91	174	264	186	141	118	106	100	99	86	105	82
50	78	60	100	161	131	119	103	88	80	87	77	104	75
7-DAY													
2	144	581	1350	1560	904	376	284	333	381	233	182	152	221
5	109	236	523	708	421	221	173	178	188	143	118	117	117
10	97	148	301	445	281	173	142	134	135	118	100	111	94
20	88	101	185	294	201	144	123	108	106	103	89	109	82
50	81	65	103	179	138	119	109	87	82	91	81	109	74
14-DAY													
2	149	779	1760	2060	1250	471	356	429	476	287	203	162	262
5	112	298	657	913	543	254	195	208	218	156	124	120	125
10	99	178	367	569	348	190	152	146	149	122	102	113	95
20	91	115	219	375	237	151	127	111	111	102	89	110	80
50	84	70	117	228	153	119	107	83	81	87	79	109	69
30-DAY													
2	162	1280		3010	2200	850	576	672	703	455	272	203	390
5	117	460		1380	943	392	274	297	303	212	143	124	158
10	102	261		887	598	266	194	194	198	148	110	106	108
20	93	160		608	408	195	148	137	140	112	92	98	82
50	85	91		391	263	139	113	92	95	84	78	92	63

02319500 Suwannee River at Ellaville, Fla.

LOCATION.--Lat 30°23'04", long 83°10'19", in NE $\frac{1}{4}$ sec.24, T.1 S., R.11 E., at bank at Ellaville, near railroad bridge, 200 feet downstream from Withlacoochee River, 0.2 mile upstream from bridge on U.S. Highway 90, and 127 miles upstream from mouth.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.--6,970 mi², approximately.

TRIBUTARY TO.--Gulf of Mexico..

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1927 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	1600	2800	4880	6320	5410	3180	2560	2710	3070	2730	2190	1800	1930
5	1180	1580	2420	3250	2860	1940	1660	1750	1870	1700	1400	1300	1270
10	1030	1200	1650	2240	2040	1510	1360	1420	1490	1380	1180	1180	1090
20	929	979	1200	1630	1540	1230	1170	1200	1250	1180	1050	1110	985
50	835	788	826	1120	1120	988	1000	1000	1050	1020	938	1070	905
	3-DAY												
2	1610	2890	4990	6520	5570	3250	2580	2760	3180	2790	2230	1820	1960
5	1190	1610	2460	3340	2910	1970	1670	1770	1910	1720	1420	1310	1280
10	1040	1220	1670	2300	2070	1520	1370	1430	1510	1400	1180	1180	1100
20	934	984	1210	1660	1560	1240	1190	1210	1260	1200	1050	1120	993
50	839	784	830	1140	1130	989	1020	1010	1050	1020	937	1080	912
	7-DAY												
2	1630	3060	5240	6910	5930	3390	2650	2900	3380	2930	2320	1860	2020
5	1210	1680	2550	3510	3050	2030	1700	1830	1990	1790	1450	1320	1300
10	1050	1250	1720	2410	2140	1560	1400	1460	1550	1440	1200	1190	1110
20	947	998	1230	1740	1600	1270	1200	1220	1280	1220	1050	1120	996
50	852	782	833	1190	1150	1000	1030	1000	1040	1030	935	1080	910
	14-DAY												
2	1670	3480	5900	7700	6680	3740	2860	3140	3680	3270	2490	1950	2140
5	1220	1840	2820	3870	3330	2160	1800	1940	2110	1920	1500	1360	1330
10	1060	1350	1870	2640	2300	1640	1460	1530	1610	1500	1230	1210	1110
20	957	1050	1320	1900	1700	1310	1240	1260	1300	1250	1070	1130	992
50	859	798	875	1290	1200	1020	1050	1020	1030	1030	942	1070	897
	30-DAY												
2	1750	4510		9400	8400	4780	3380	3770	4300	3870	2920	2180	2480
5	1260	2280		4710	4130	2610	2070	2230	2390	2190	1660	1430	1450
10	1080	1600		3200	2830	1910	1640	1700	1800	1680	1310	1230	1170
20	968	1190		2290	2070	1480	1370	1360	1440	1370	1110	1110	1010
50	865	858		1550	1450	1120	1130	1070	1130	1110	947	1022	886

2319800 Suwannee River at Dowling Park, Fla.

LOCATION.--Lat 30°14'41", long 83°14'59", in NW $\frac{1}{4}$ sec.8, T.3S., R.11 E., near bridge on State Highway 250 at Dowling Park and 112 miles upstream from mouth.

COUNTY.--Lafayette.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.-- 7,190 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Crest-stage partial-record station and miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 1,800 \text{ ft}^3/\text{s}$, $Q_{7,10} = 1,250 \text{ ft}^3/\text{s}$; $Q_{30,2} = 1,900 \text{ ft}^3/\text{s}$, $Q_{30,10} = 1,260 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02319500 Suwannee River at Ellaville using four measurements made during 1954-77.

2320000 Suwannee River at Luraville, Fla.

LOCATION.--Lat 30°05'59", long 83°10'18", in NE $\frac{1}{4}$ sec.36, T.4S., R.11 E., at bridge on State Highway 51, 1.6 miles south of Luraville, and 97 miles upstream from mouth.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.-- 7,330 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station and miscellaneous site.

PERIOD OF RECORD ANALYZED.--April 1927 to March 1937.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	1910	3030	3940	5870	6220	6010	3080	3020	3680	3660	3560	2870	2890
5	1320	1780	2000	3050	2750	2010	1920	1980	2610	2230	1920	1790	1780
10	1150	1370	1420	2120	1750	1490	1490	1600	2270	1850	1480	1230	1390
20	1060	1110	1080	1550	1190	1170	1210	1360	2060	1630	1220	1210	1140
3-DAY													
2	1920	3040	4040	6050	6320	3660	3110	3060	3830	3740	3640	2880	2900
5	1330	1780	2024	3150	2760	2020	1940	2000	2720	2260	1930	1800	1780
10	1160	1370	1430	2190	1750	1500	1500	1620	2360	1870	1480	1440	1390
20	1070	1100	1090	1600	1180	1170	1210	1380	2130	1650	1210	1220	1140
7-DAY													
2	1930	3090	4260	6370	6540	3800	3200	3120	4140	3960	3810	2930	2920
5	1340	1810	2070	3300	2820	2070	1980	2030	2890	2350	1960	1810	1780
10	1170	1390	1430	2270	1770	1520	1520	1640	2470	1910	1470	1450	1390
20	1070	1120	1070	1640	1190	1180	1220	1390	2190	1660	1200	1220	1140
14-DAY													
2	1960	3320	4650	6800	6960	4120	3330	3210	4440	4590	4170	3020	2970
5	1360	1950	2150	3550	2980	2150	2050	2090	3040	2260	2060	1840	1800
10	1180	1490	1450	2460	1860	1550	1570	1700	2570	1960	1520	1460	1400
20	1090	1200	1050	1790	1240	1190	1260	1440	2270	1620	1220	1230	1140
30-DAY													
2	2020	3940		7920	7890	5120	3920	3530	4840	5460	5000	3780	3240
5	1390	2190		4150	3400	2430	2490	2430	3410	2960	2330	1940	1490
10	1200	1610		2910	2130	1650	1920	2090	3090	2240	1640	1500	1490
20	1100	1250		2150	1430	1210	1530	1880	2930	1820	1260	1230	1200

02320500 Suwannee River at Branford, Fla.

LOCATION.--Lat 29°57'20", long 82°55'40", in NE $\frac{1}{4}$ sec.20, T.6 S., R.14 E., at bridge on U.S. Highways 27 and 129 at Branford, 10.2 miles upstream from Santa Fe River, and 75 miles upstream from mouth.

COUNTY.--Suwannee.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.--7,880 mi².

TRIBUTARY TO.--Gulf of Mexico..

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1932 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	2540	3580	5560	7360	6840	4610	3820	3820	4210	4100	3400	2830	2790
5	2000	2280	3120	4050	3940	2980	2630	2670	2830	2730	2370	2150	2070
10	1780	1870	2310	2910	2950	2400	2210	2250	2360	2240	2030	1970	1870
20	1640	1620	1800	2200	2330	2000	1940	1960	2040	1910	1820	1870	1760
50	1490	1400	1360	1590	1730	1650	1690	1700	1760	1620	1630	1800	1690
3-DAY													
2	2560	3630	5670	7510	7000	4670	3850	3860	4280	4150	3450	2840	2820
5	2010	2310	3160	4120	4010	3010	2650	2700	2860	2760	2390	2170	2080
10	1800	1890	2330	2960	3000	2410	2240	2270	2370	2260	2040	1990	1880
20	1640	1630	1810	2230	2350	2010	1960	1980	2060	1940	1830	1890	1760
50	1490	1410	1360	1610	1800	1650	1720	1720	1770	1630	1640	1820	1680
7-DAY													
2	2580	3760	5880	7810	7340	4810	3910	3960	4430	4260	3540	2890	2880
5	2030	2360	3250	4280	4140	3070	2690	2740	2930	2820	2420	2190	2090
10	1810	1920	2380	3070	3070	2450	2270	2300	2410	2310	2060	2000	1880
20	1660	1640	1830	2310	2390	2040	1990	2000	2080	1980	1830	1900	1760
50	1510	1400	1360	1660	1810	1670	1750	1720	1770	1670	1630	1830	1670
14-DAY													
2	2620	4050	6390	8430	7960	5160	4100	4160	4680	4600	3730	2980	2970
5	2050	2480	3470	4560	4390	3230	2780	2850	3040	2980	2500	2230	2120
10	1820	1970	2500	3250	3220	2550	2330	2370	2480	2410	2100	2020	1890
20	1670	1660	1900	2440	2490	2100	2030	2040	2110	2030	1840	1910	1760
50	1520	1380	1390	1740	1860	1700	1770	1750	1780	1650	1620	1830	1670
30-DAY													
2	2680	4900		9800	9390	6210	4630	4680	5270	5130	4180	3200	3270
5	2080	2870		5270	5080	3700	3070	3120	3330	3240	2720	2320	2220
10	1840	2210		3730	3680	2830	2520	2540	2650	2590	2230	2070	1920
20	1680	1800		2760	2810	2270	2170	2160	2200	2170	1920	1920	1750
50	1530	1450		1950	2070	1770	1840	1800	1800	1790	1650	1820	1620

02323000 Suwannee River near Bell, Fla.

LOCATION.--Lat 29°48', long 82°55', in sec.16 or 17, T.8 S., R.14E., at bank at Rock Bluff Ferry, 4.5 miles northwest of Bell, and 10 miles downstream from Santa Fe River.

COUNTY.--Gilchrist.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.--9,390 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1934 to March 1956.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENT INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	4050	5340	6060	7140	7500	5830	5030	5150	6010	6210	5920	5020	4600
5	3220	3590	4020	4760	4740	4180	3820	4010	4270	4230	4090	3680	3390
10	2890	3010	3300	3940	3850	3540	3320	3520	3660	3510	3420	3290	3060
20	2650	2640	2830	3400	3310	3100	2950	3170	3260	3040	2970	3070	2880
	3-DAY												
2	4080	5400	6140	7240	7580	5880	5060	5190	6100	6290	5970	5050	4630
5	3250	3620	4090	4830	4770	4210	3840	4030	4320	4280	4120	3730	3420
10	2910	3030	3370	4000	3880	3560	3340	3540	3700	3560	3440	3360	3090
20	2680	2660	2890	3450	3330	3110	2980	3190	3300	3070	2990	3150	2910
	7-DAY												
2	4120	5540	6320	7470	7730	6000	5150	5270	6290	6470	6140	5130	4680
5	3290	3670	4210	4980	4830	4270	3920	4080	4430	4370	4190	3780	3470
10	2960	3060	3460	4100	3930	3600	3400	3580	3780	3610	3490	3390	3140
20	2730	2670	2970	3530	3380	3140	3030	3230	3350	3110	3030	3170	2960
	14-DAY												
2	4170	5780	6660	7930	8080	6380	5310	5470	6600	6970	6430	5310	4780
5	3330	3740	4370	5220	4990	4490	4010	4200	4590	4580	4330	3860	3520
10	3000	3070	3560	4270	4060	3760	3470	3670	3880	3700	3570	3440	3170
20	2760	2650	3030	3640	3490	3260	3070	3290	3420	3130	3080	3200	2980
	30-DAY												
2	4260	6220		8960	9080	7290	5830	6120	7110	7660	7250	5740	5120
5	3380	3920		5740	5490	4860	4340	4600	4880	4950	4740	4040	3630
10	3030	3190		4640	4390	3970	3920	3940	4080	3980	3840	3530	3210
20	2790	2740		3940	3720	3380	3270	3460	3540	3340	3240	3230	2970

02323500 Suwannee River near Wilcox, Fla.

LOCATION.--Lat 29°35'22", long 82°25'12", in NW $\frac{1}{4}$ sec. 29, T.10 S., R.14 E., on bank near bridge on U.S.

Highway 19, 2.0 miles southwest of Wilcox, and 33 miles upstream from mouth.

COUNTY.--Levy.

HYDROLOGIC UNIT.--03110205.

DRAINAGE AREA.--9,640 mi².

TRIBUTARY TO.--Gulf of Mexico.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1942 to March 1994.

REMARKS.--Flow are affected by tide.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	4870	6670	9320	11300	10400	7960	5620	6630	7140	6970	6210	6460	5450
5	5020	4780	6060	7220	6810	5640	4900	4930	5060	5050	4580	4360	4320
10	3680	4130	4790	5650	5530	4740	4280	4290	4280	4330	4000	4030	3990
20	3450	3710	3940	4580	4700	4120	3860	3860	3740	3840	3610	3840	3810
50	3230	3340	3140	3600	3940	3530	3490	3450	3240	3380	3560	3690	3670
	3-DAY												
2	5100	6890	9630	11500	10700	8110	6720	6730	7260	7170	6430	5660	5690
5	4250	4940	6300	7420	7050	5760	5000	5040	5190	5200	4770	4580	4510
10	3910	4260	5000	5830	5740	4840	4380	4410	4410	4460	4180	4270	4170
20	3660	3830	4110	4760	4870	4220	3970	3970	3890	3950	3790	4090	3980
50	3420	3430	3280	3750	4090	3620	3590	3570	3390	3480	3430	3960	3820
	7-DAY												
2	5260	7220	9990	11800	11100	8340	6850	6880	7440	7390	6700	5860	5900
5	4380	5140	6530	7650	7280	5900	5100	5150	5320	5350	4940	4720	4680
10	4020	4400	5180	6030	5910	4950	4470	4510	4530	4580	4310	4390	4330
20	3760	3920	4250	4920	5010	4300	4060	4070	4000	4070	3890	4200	4120
50	3510	3480	3390	3890	4190	3680	3680	3660	3500	3580	3500	4060	3970
	14-DAY												
2	5380	7640	10600	12400	11900	8810	7110	7150	7740	7790	7020	6020	6090
5	4480	5360	6860	7940	7660	6200	5270	5300	5480	5560	5120	4830	4800
10	4110	4540	5400	6210	6190	5210	4620	4600	4640	4730	4430	4490	4420
20	3840	4000	4410	5040	5230	4530	4180	4120	4080	4160	3960	4290	4200
50	3570	3510	3480	3960	4370	3890	3790	3670	3550	3620	3540	4140	4040
	30-DAY												
2	5500	8690	13800	13500	10000	7760	7720	8430	8400	7600	6360	6530	
5	4570	5900	8610	8510	6840	5620	5600	5840	5870	5430	4990	4960	
10	4180	4880	6630	6750	5640	4840	4790	4870	4950	4630	4580	4470	
20	3900	4210	5300	5600	4840	4320	4420	4210	4320	4100	4340	4190	
50	3630	3590	4090	4560	4090	3840	3690	3590	3750	3600	4150	3690	

02320700 Santa Fe River near Graham, Fla.

LOCATION.--Lat 29°50'46", long 82°13'11", in NE¹/₄ sec.32, T.7 S., R.21 E., at bridge on State Highway 225, 1.0 mile south of Graham, 1.5 miles upstream from Sampson River, and 71 miles upstream from mouth.

COUNTY.--Alachua.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.--94.9 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1958 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	0.4	9.4	16	19	6.8	1.6	0.9	2.7	6.7	12	5.1	3.8	4.3
5	.1	2.5	4.6	4.9	1.0	.3	.2	.4	.9	2.4	1.0	1.0	1.1
10	.1	1.2	2.2	2.2	.3	.1	.1	.1	.3	.9	.4	.5	.5
20	<.1	.6	1.2	1.1	.1	<.1	<.1	.1	.1	.3	.2	.2	.3
50	<.1	.3	.6	.5	<.1	<.1	<.1	<.1	<.1	.1	.1	.1	.2
3-DAY													
2	0.5	10	17	22	7.5	1.8	1.0	2.9	7.4	14	5.5	4.1	4.6
5	.2	2.7	5.2	6.2	1.1	.3	.2	.4	1.1	2.8	1.1	1.0	1.2
10	.1	1.2	2.6	2.9	1.0	.1	.1	.2	.3	1.0	.4	.5	.6
20	<.1	.6	1.4	1.4	.2	.1	<.1	.1	.1	1.0	.2	.3	.3
50	<.1	.3	.7	.6	>.1	<.1	<.1	<.1	<.1	.1	.1	.1	.1
7-DAY													
2	0.5	12	21	27	9.3	2.3	1.2	3.4	10	18	6.3	5.1	5.4
5	.2	3.1	6.3	7.4	1.5	.4	.2	.5	1.4	3.6	1.2	1.3	1.3
10	.1	1.4	3.1	3.4	.5	.2	.1	.2	.4	1.2	.5	.6	.6
20	.1	.7	1.6	1.7	.2	.1	.1	.1	.2	.4	.2	.3	.3
50	<.1	.3	.8	.7	.1	<.1	<.1	<.1	.1	.2	.1	.1	.1
14-DAY													
2	0.7	16	31	35	14	3.4	2.2	6.7	18	27	8.2	6.2	7.4
5	.2	4.1	9.2	9.6	2.6	.6	.4	1.1	2.6	5.6	1.7	1.5	1.8
10	.1	1.8	4.5	4.3	.9	.2	.2	.4	.8	2.0	.7	.7	.9
20	.1	.9	2.4	2.1	.4	.1	.1	.2	.3	.8	.3	.4	.4
50	<.1	.4	1.2	.9	.1	<.1	.1	.1	.1	.2	.1	.2	.2
30-DAY													
2	1.1	26		58	28	6.8	7.9	19	47	56	18	9.6	11
5	.3	7.0		15	6.3	1.1	1.5	3.6	8.6	12	3.6	2.3	3.0
10	.2	3.3		6.8	2.6	.4	.6	1.3	2.7	3.9	1.4	1.0	1.4
20	.1	1.7		3.3	1.2	.2	.3	.5	.9	1.4	.7	.5	.8
50	<.1	.8		1.3	.5	.1	.1	.2	.2	.4	.2	.2	.4

2320732 Alligator Creek at Starke, Fla.

LOCATION.--Lat 29°56'10", long 82°06'43", in NW $\frac{1}{4}$ sec.33, T.4S., R.22 E., at bridge on State Highway 30 at Starke, and 13 miles upstream from mouth.

COUNTY.--Bradford.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 19.4 mi².

TRIBUTARY TO.--Lake Rowell.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 2.8$ ft³/s, $Q_{7,10} = 0.4$ ft³/s; $Q_{30,2} = 7.2$ ft³/s, $Q_{30,10} = 1.4$ ft³/s

BASIS OF ESTIMATE.--Graphical correlation with 02321000 New River near Lake Butler using five measurements made during 1956-67, and 2 measurements made in 1989.

02320800 Sampson River at Sampson, Fla.

LOCATION.--Lat 29°55'07", long 82°12'39", in NW $\frac{1}{4}$ sec.4, T.7S., R.21 E., at culvert on State Highway 225, 0.4 mile downstream from Lake Sampson, 5.9 miles upstream from mouth, and 6.3 miles southwest of Starke.

COUNTY.--Bradford.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 59.7 mi².

TRIBUTARY TO.--Santa Fe River.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 2.7$ ft³/s, $Q_{7,10} = 0.5$ ft³/s; $Q_{30,2} = 6.5$ ft³/s, $Q_{30,10} = 1.0$ ft³/s

BASIS OF ESTIMATE.--Analytical correlations with 02320700 Santa Fe River near Graham using 14 measurements made during 1975-77, and 2 measurements made in 1989.

02321000 New River near Lake Butler, Fla.

LOCATION.--Lat 29°59'53", long 82°16'27", in SW $\frac{1}{4}$ sec.2, T.6 S., R.20 E., at bridge on State Highway 100, 4.5 miles southeast of Lake Butler, and 14 miles upstream of mouth.

COUNTY.--Union.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.--193 mi².

TRIBUTARY TO.--Santa Fe River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1950 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	1.8	13	27	20	7.7	2.3	2.5	9.9	21	16	12	8.4	8.6
5	.8	5.9	11	7.2	2.9	1.3	.9	2.8	4.7	5.4	4.0	3.7	4.1
10	.5	4.2	6.6	4.3	1.8	1.1	.6	1.4	1.9	3.0	2.1	2.5	3.0
20	.3	3.2	4.4	2.9	1.2	1.0	.4	.7	.9	1.8	1.3	1.8	2.4
50	.2	2.5	2.7	1.9	.8	.9	.3	.4	.3	1.0	.7	1.2	1.9
	3-DAY												
2	1.8	14	30	25	8.2	2.6	2.7	12	24	18	12	8.8	9.0
5	.8	6.1	11	8.2	3.0	1.3	1.0	3.3	5.5	5.8	4.2	4.0	4.3
10	.5	4.3	6.9	4.7	1.8	1.1	.6	1.6	2.3	3.1	2.2	2.6	3.1
20	.4	3.3	4.5	3.0	1.2	1.0	.4	.8	1.0	1.8	1.3	1.9	2.4
50	.2	2.5	2.8	1.8	0.79	0.91	.3	.4	.4	1.0	.7	1.3	1.9
	7-DAY												
2	2.1	16	37	30	10	3.2	3.6	16	33	23	15	10	10
5	1.0	6.7	13.4	9.5	3.4	1.5	1.3	4.5	7.5	7.4	4.7	4.6	4.3
10	.7	4.5	7.8	5.4	2.0	1.2	.8	2.2	3.1	3.9	2.4	3.0	3.0
20	.5	3.3	5.0	3.4	1.3	1.0	.6	1.2	1.4	2.3	1.3	2.1	2.4
50	.3	2.4	3.0	2.1	.8	.9	.4	.6	.5	1.2	.7	1.4	1.9
	14-DAY												
2	2.5	26	67	47	16	4.6	7.0	31	64	36	20	12	13
5	1.3	9.5	21	14	4.6	1.7	2.1	8.1	13	12	6.0	5.4	5.0
10	.9	6.0	10	7.4	2.6	1.2	1.2	4.0	5.0	6.5	3.1	3.5	3.5
20	.7	4.2	5.8	4.5	1.7	1.0	.8	2.2	2.1	4.0	1.7	2.5	2.8
50	.5	2.9	2.9	2.6	1.1	.9	.5	1.1	.7	2.4	.9	1.7	2.3
	30-DAY												
2	3.5	55		106	37	11	26	82	143	120	70	19	17
5	1.9	18		26	9.1	3.0	6.0	21	30	32	13	6.7	5.7
10	1.4	10		12	4.5	1.8	2.8	9.7	12	16	5.0	4.0	3.7
20	1.1	6.5		6.7	2.6	1.2	1.4	4.9	4.9	8.6	2.3	2.6	2.7
50	.8	4.0		3.3	1.4	.9	.7	2.1	1.7	4.3	.9	1.7	2.1

02321200 Richard Creek near Lake Butler, Fla.

LOCATION.--Lat 30°01'10", long 82°18'59", in NE $\frac{1}{4}$ sec.32, T.5S., R.20 E., at State Highway 100, 1.7 miles east of Lake Butler, and 4.9 miles upstream from mouth.

COUNTY.--Union.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 13.9 mi².

TRIBUTARY TO.--New River.

TYPE OF SITE.--Miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0$ ft³/s, $Q_{7,10} = 0$ ft³/s; $Q_{30,2} = 0$ ft³/s, $Q_{30,10} = 0$ ft³/s

BASIS OF ESTIMATE.--Graphical correlation with 02321000 New River near Lake Butler using 3 measurements and 6 observations of zero flow during 1958-67 and 1989.

02321500 Santa Fe River at Worthington Springs, Fla.

LOCATION.--Lat 29°55'18", long 82°25'35", in SE $\frac{1}{4}$ sec.32, T.6 S., R.19 E., at bridge on State Highway 121, 0.5 mile south of Worthington Springs, 0.8 mile downstream from New River, and 51 miles upstream from mouth.

COUNTY.--Alachua.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.--575 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1933 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS.--

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	10.6	74	134	99	53	20	16	42	109	120	59	49	50
5	4.1	28	47	34	15	7.3	4.9	12	37	38	19	18	20
10	2.4	17	26	19	7.5	4.3	2.7	6.5	20	19	9.6	10	12
20	1.5	11	15	12	4.1	2.8	1.7	3.8	12	10	5.5	6.4	7.8
50	.8	6.8	7.6	6.8	2.0	1.7	1.0	2.0	6.7	4.6	2.8	3.7	4.8
	3-DAY												
2	11	79	142	110	58	21	17	47	127	131	62	51	52
5	4.5	30	50	37	16	7.8	5.4	14	43	42	20	19	20
10	2.6	18	27	21	8.0	4.7	3.0	7.2	23	21	10	11	12
20	1.6	12	16	13	4.3	3.0	1.9	4.2	14	11	5.8	6.8	8.0
50	.9	7.1	8.2	7.5	2.1	1.9	1.1	2.3	7.4	5.3	3.0	3.9	4.9
	7-DAY												
2	13	90	166	131	70	24	21	57	162	164	69	56	57
5	5.3	33	57	45	20	8.7	6.7	17	55	53	22	21	21
10	3.2	20	31	26	9.6	5.2	3.9	9.0	30	26	12	12	13
20	2.1	12	17	16	5.2	3.5	2.5	5.3	17	14	6.8	7.4	8.5
50	1.3	7.4	8.9	9.9	2.5	2.2	1.6	2.9	9.3	6.6	3.6	4.3	5.3
	14-DAY												
2	15	118	245	180	98	32	32	92	233	227	91	64	67
5	6.8	42	81	60	27	11	11	28	75	75	30	23	24
10	4.4	24	41	34	13	6.5	6.4	15	38	39	17	14	14
20	3.0	15	23	21	7.2	4.3	4.3	8.6	21	22	9.9	8.7	9.6
50	1.9	8.3	11	12	3.6	2.8	2.9	4.5	11	11	5.5	5.2	6.1
	30-DAY												
2	20	204		308	197	59	73	206	449	464	217	93	99
5	9.3	67		98	51	18	22	68	148	152	56	30	33
10	6.0	36		54	24	9.9	12	35	74	79	26	16	19
20	4.1	21		32	13	6.1	8.0	20	39	44	14	9.7	12
50	2.7	11		18	6.2	3.6	5.0	10	18	22	6.5	5.4	7.3

02322016 Blues Creek near Gainesville, Fla.

LOCATION.--Lat 29°33'41", long 83°25'54", in NW $\frac{1}{4}$ sec.8, T.9 S., R.19 E., about 1 mile above sink, 1.0 mile northwest of University of Florida Experiment Station, 6.0 miles southeast of Alachua, and 7.6 miles northwest of Gainesville.

COUNTY.--Alachua.

HYDROLOGIC UNIT.--03080102.

DRAINAGE AREA.--5.12 mi², of which 2.5 mi² are noncontributing at low and medium discharge.

TRIBUTARY TO.--Santa Fe River.

TYPE OF SITE.--Continuous record-gaging station.

PERIOD OF RECORD ANALYZED.--June 1984-March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENCE INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	0.2	0.9	1.6	1.4	0.8	0.3	0.3	0.5	0.5	0.7	0.5	0.5	0.7
5	.1	.4	.7	.5	.3	.2	.2	.3	.3	.3	.2	.2	.4
10	.1	.3	.4	.3	.2	.1	.1	.2	.2	.2	.2	.2	.3
20	.1	.2	.2	.2	.1	.1	.1	.2	.2	.1	.1	.1	.2
3-DAY													
2	0.2	1.0	1.7	2.0	0.8	0.3	0.3	0.5	0.6	0.8	0.6	0.5	0.7
5	.1	.5	.7	.7	.4	.2	.2	.3	.3	.3	.2	.2	.4
10	.1	.3	.4	.4	.2	.2	.1	.2	.2	.2	.2	.2	.3
20	.1	.2	.3	.2	.1	.1	.1	.2	.2	.1	.1	.1	.2
7-DAY													
2	0.2	1.1	1.9	2.3	0.9	0.3	0.3	0.6	0.6	0.9	0.7	0.7	0.8
5	.2	.5	.8	.8	.4	.2	.2	.3	.3	.4	.3	.4	.4
10	.1	.3	.4	.4	.2	.2	.2	.2	.2	.2	.2	.3	.3
20	.1	.2	.3	.2	.2	.1	.1	.2	.2	.1	.1	.2	.3
14-DAY													
2	0.2	1.6	2.4	2.9	1.3	0.4	0.4	0.8	0.9	1.2	0.8	0.8	0.9
5	.2	.7	.9	.9	.7	.2	.3	.4	.4	.4	.3	.4	.5
10	.1	.4	.5	.4	.4	.2	.2	.2	.3	.2	.2	.3	.4
20	.1	.3	.3	.2	.3	.2	.2	.2	.2	.2	.1	.2	.3
30-DAY													
2	0.3	2.7		5.0	2.2	0.6	1.0	1.3	1.9	2.2	1.7	1.1	1.2
5	.2	1.1		1.3	.9	.3	.5	.5	.7	.6	.5	.6	.6
10	.2	.6		.6	.6	.2	.4	.3	.4	.3	.2	.4	.4
20	.1	.3		.3	.4	.2	.3	.2	.2	.2	.1	.3	.3

02321600 Olustee Creek near Lulu, Fla.

LOCATION.--Lat 30°05'42", long 82°28'25", in SW $\frac{1}{4}$ sec.36, T.4 S., R.18 E., at bridge on State Highway 100, 1.4 miles southeast of Lulu, 7.4 miles upstream from Swift Creek, and 18 miles upstream from mouth..

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 49.1 mi².

TRIBUTARY TO.--Santa Fe River.

TYPE OF SITE.--Crest-stage partial-record station and miscellaneous site..

LOW-FLOW FREQUENCY.--Q_{7,2} = 0.20 ft³/s, Q_{7,10} = <.1 ft³/s; Q_{30,2} = 0.4 ft³/s, Q_{30,10} = <.1 ft³/s

BASIS OF ESTIMATE.--Analytical correlations with 02321500 Santa Fe River at Worthington Springs using 19 measurements made during 1965-77.

02321700 Swift Creek near Lake Butler, Fla.

LOCATION.--Lat 30°03'28", long 82°25'10", in NW $\frac{1}{4}$ sec.16, T.5 S., R.19 E., at bridge on State Highway 100 at Guilford, 5 miles northwest of Lake Butler, and 8.1 miles upstream from mouth.

COUNTY.--Union.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 46.0 mi².

TRIBUTARY TO.--Olustee Creek.

TYPE OF SITE.--Continuous-record gaging station, crest-stage partial-record station, and miscellaneous site..

LOW-FLOW FREQUENCY.--Q_{7,2} = 0 ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = 0.1 ft³/s, Q_{30,10} = <.1 ft³/s

BASIS OF ESTIMATE.--Analytical correlations with 02321000 New River near Lake Butler using 22 measurements made during 1957-71.

REMARKS.--Operated as a continuous-record streamflow station during 1957-60.

02321800 Olustee Creek near Providence, Fla.

LOCATION.--Lat 30°00'14", long 82°34'20", in NW $\frac{1}{4}$ sec.1, T.6 S., R.17 E., at bridge on State Highway 238, 1.5 miles west of Providence, and 13.8 miles west of Lake Butler.

COUNTY.--Union.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 163 mi².

TRIBUTARY TO.--Santa Fe River.

TYPE OF SITE.--Continuous-record gaging station, crest-stage partial-record station, and miscellaneous site..

LOW-FLOW FREQUENCY.--Q_{7,2} = 0 ft³/s, Q_{7,10} = 0 ft³/s; Q_{30,2} = 0 ft³/s, Q_{30,10} = 0 ft³/s

BASIS OF ESTIMATE.--Graphical correlation with 02321000 New River near lake Butler using four measurements and 5 observations of zero flow during 1957-71 and 1989.

REMARKS.--Operated as a continuous-record streamflow station during 1957-60.

02321898 Santa Fe River at O'Leno State Park, Fla.

LOCATION.--Lat 29°54'51", long 82°34'48", in NE $\frac{1}{4}$ sec.1, T.7 S., R.17 E., at suspended bridge in Park, 0.4 mile upstream from where river enters sink, 6.1 miles north of High Springs, and 36 miles upstream from mouth.

COUNTY.--Alachua.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 820 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.--Q_{7,2} = 33 ft³/s, Q_{7,10} = 9.7 ft³/s; Q_{30,2} = 48 ft³/s, Q_{30,10} = 12 ft³/s

BASIS OF ESTIMATE.--Analytical correlation with 02321500 Santa Fe River at Worthington springs using 49 measurements made during 1977-82.

02322000 Santa Fe River near High Springs, Fla.

LOCATION.--Lat 29°50'33", long 82°37'52", in NE $\frac{1}{4}$ sec. 32, T.7 S., R.17 E., at bridge on U.S. Highway 27,
100 ft upstream from Seaboard Coast Line Railroad bridge, and 2 miles northwest of High Springs.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.--950 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1931 to March 1971.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS													
RECURRENCE INTERVAL IN YEARS	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
1-DAY													
2	223	369	444	489	472	352	307	360	545	626	518	438	366
5	119	185	217	222	213	171	160	189	295	318	269	234	196
10	83	127	144	141	133	111	114	135	209	213	186	167	140
20	61	92	100	95	87	76	87	102	156	148	135	125	104
50	42	64	64	60	53	48	64	74	110	96	93	90	74
3-DAY													
2	225	375	457	501	478	357	311	365	560	640	527	443	371
5	121	188	224	226	216	173	162	193	304	323	272	238	199
10	84	129	147	144	135	112	116	139	216	215	188	170	141
20	62	94	102	97	89	76	88	106	160	150	137	129	105
50	43	65	65	61	54	48	65	78	113	97	95	94	75
7-DAY													
2	230	392	476	524	493	365	316	379	603	690	548	453	378
5	123	194	229	231	222	178	165	204	326	344	280	243	202
10	86	132	150	146	139	116	118	148	230	227	192	174	143
20	63	95	103	97	92	80	90	114	170	256	139	132	107
50	43	65	66	61	57	51	67	86	119	99	96	96	76
14-DAY													
2	235	423	539	561	550	380	346	414	670	778	594	473	393
5	126	204	250	239	240	186	177	223	349	370	297	251	205
10	89	137	160	150	148	124	126	161	242	240	202	181	145
20	65	98	108	100	96	88	95	124	177	164	145	137	109
50	45	66	68	63	58	58	70	92	123	104	99	101	78
30-DAY													
2	248	492		677	626	425	389	499	884	1018	850	547	435
5	133	229		277	258	204	196	279	449	459	403	281	221
10	94	151		170	156	139	141	208	298	288	265	198	155
20	69	106		112	101	100	109	164	207	191	185	148	116
50	48	71		70	60	69	83	126	132	117	122	106	83

02322500 Santa Fe River near Fort White, Fla.

LOCATION.--Lat 29°50'55", long 82°42'55", in SE $\frac{1}{4}$ sec. 28, T.7 S., R.16 E., on left bank 2.1 miles upstream from bridge on State Highway 47, 5.1 miles south of Fort White, and 18 miles upstream from mouth.

COUNTY.--Gilchrist.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.--1,020 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station.

PERIOD OF RECORD ANALYZED.--April 1928 to March 1929, and April 1933 to March 1994.

MAGNITUDE AND FREQUENCY OF ANNUAL AND MONTHLY LOW FLOWS

RECURRENT INTERVAL IN YEARS	LOWEST AVERAGE FLOW, IN CUBIC FEET PER SECOND, FOR INDICATED NUMBER OF CONSECUTIVE DAYS												
	ANNUAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
	1-DAY												
2	956	1130	1230	1300	1260	1150	1070	1160	1310	1420	1290	1180	1120
5	800	886	958	960	938	902	857	905	1010	1070	978	926	890
10	731	792	848	835	822	798	777	800	886	923	858	824	798
20	680	727	772	750	744	723	723	725	794	818	776	752	732
50	628	666	698	672	672	649	672	652	704	714	697	683	668
	3-DAY												
2	960	1140	1250	1320	1270	1160	1070	1170	1330	1440	1300	1180	1120
5	802	890	966	969	941	906	859	910	1020	1080	980	931	892
10	733	795	854	840	823	800	780	806	892	926	859	830	800
20	681	730	776	753	745	725	726	732	799	820	776	760	734
50	628	667	701	671	674	650	676	659	705	715	698	692	670
	7-DAY												
2	964	1160	1260	1350	1290	1180	1080	1180	1370	1480	1320	1190	1130
5	806	900	971	981	951	914	865	923	1040	1100	990	935	897
10	736	800	860	844	829	804	787	820	907	941	864	835	803
20	684	731	783	751	749	726	736	747	809	829	778	767	736
50	631	666	710	664	676	649	689	676	714	719	698	701	671
	14-DAY												
2	973	1200	1330	1410	1360	1210	1110	1220	1430	1570	1370	1210	1150
5	812	916	998	1000	987	924	887	948	1070	1130	1010	943	906
10	741	808	872	854	851	811	809	841	923	955	874	844	810
20	688	735	786	756	761	730	758	765	820	836	784	778	743
50	635	665	704	666	678	652	713	692	719	723	700	717	679
	30-DAY												
2	993	1280		1550	1520	1280	1170	1300	1600	1760	1580	1280	1190
5	823	956		1060	1050	953	912	1000	1160	1210	1100	974	925
10	751	839		883	878	833	830	886	981	1010	932	860	824
20	697	761		771	767	751	779	803	852	874	817	783	756
50	644	689		669	665	676	737	724	727	748	712	711	692

02322590 Cow Creek near Fort White, Fla.

LOCATION.--Lat 29°51'21", long 82°45'24", in SW $\frac{1}{4}$ sec. 19, T.7S., R.16E., on downstream side of culvert on State Highway 138, 1.0 miles west of State Highway 47, 4.3 mi. upstream from mouth and 5.2 miles south of Fort White.

COUNTY.--Gilchrist.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 89 mi², approximately.

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0.9 \text{ ft}^3/\text{s}$, $Q_{7,10} = 0.6 \text{ ft}^3/\text{s}$; $Q_{30,2} = 1.1 \text{ ft}^3/\text{s}$, $Q_{30,10} = 0.7 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02321500 Santa Fe River at Worthington Springs using eight measurements made during 1975-77 and 1989.

02322660 Rose Creek near Columbia, Fla.

LOCATION.--Lat 30°04'23", long 82°40'38", in NW $\frac{1}{4}$ sec.12, T.5 S., R.16 E., at bridge on county road, 1.3 miles east of Columbia.

COUNTY.--Columbia.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 26.2 mi².

TRIBUTARY TO.--Sink Hole.

TYPE OF SITE.--Periodic measurement station.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 0 \text{ ft}^3/\text{s}$, $Q_{7,10} = 0 \text{ ft}^3/\text{s}$; $Q_{30,2} = 0 \text{ ft}^3/\text{s}$, $Q_{30,10} = 0 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02320700 Santa Fe River near Graham using six measurements and 7 observations at zero flow during 1975-77.

02322800 Santa Fe River near Hildreth, Fla.

LOCATION.--Lat 29°54'41", long 82°51'38", in NE $\frac{1}{4}$ sec.6, T.7 S., R.15 E., at bridge on U.S. Highway 129, 4.4 miles southeast of Hildreth and 2.4 miles upstream from mouth.

COUNTY.--Gilchrist.

HYDROLOGIC UNIT.--03110206.

DRAINAGE AREA.-- 1,370 mi².

TRIBUTARY TO.--Suwannee River.

TYPE OF SITE.--Continuous-record gaging station (river stage only), and miscellaneous site.

LOW-FLOW FREQUENCY.-- $Q_{7,2} = 1,600 \text{ ft}^3/\text{s}$, $Q_{7,10} = 1,200 \text{ ft}^3/\text{s}$; $Q_{30,2} = 1,780 \text{ ft}^3/\text{s}$, $Q_{30,10} = 1,250 \text{ ft}^3/\text{s}$

BASIS OF ESTIMATE.--Graphical correlation with 02322500 Santa Fe River near Fort White using three measurements made in 1956 and 1977.

REMARKS.--Station serves as auxillary water-stage record to gaging station Santa Fe River near Fort White.

Appendix II. Synoptic low-flow measurements for low-flow partial-record stations and miscellaneous sites in the Suwannee River Water Management District, 1990-96

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
ALACHUA COUNTY							
1	02320692	Santa Fe River near Hampton, Fl.	Lat 29°50'21", long 82°09'49", in SE1/4 sec. 35, T. 7 S., R. 21 E., Alachua County, Hydrologic Unit 03110206, at bridge on U.S. Highway 301, 2.3 mi southwest of Hampton, and 75 mi up-stream from mouth.	75.1	1956 1977	05-30-95 06-04-96	12.8 1.10
2	02320820	Santa Fe River near Monteocha, Fl.	Lat 29°50'49", long 82°15'51", NE1/4 sec. 35, T. 7 S., R. 20 E., Alachua County, Hydrologic Unit 03110206, at bridge on Rock Church Road, 3.8 mi northeast of Monteocha, and 68 mi upstream from mouth.	178	1977	05-30-95 11-07-95 06-04-96	16.6 45.0 6.92
3	02320827	Monteocha Creek at Monteocha, Fl.	Lat 29°47'47", long 82°17'20", in NW ¹ / ₄ sec. 15, T. 8 S., R. 20 E., Alachua County, Hydrologic Unit 03110206, at culvert on State Highway 340, at Monteocha, Fl.	7.04	1958 1977	05-30-95 11-07-95 06-04-96	0.03 0.03 < 0.01
4	02320846	Rhuda Branch near Monteocha, Fl.	Lat 29°49'47", long 82°20'03", in NE ¹ / ₄ sec. 6, T. 8 S., R. 20 E., Alachua County, Hydrologic Unit 03110206, at culvert on NW 192 Avenue, 0.3 mi south of Sunshine Lake, and 3.2 mi northwest of Monteocha, and 4.3 mi east of La Crosse, Fl.	1.45	1976-77	05-30-95 11-07-95 06-04-96	0.10 0.06 0.01
5	02320858	Rocky Creek near Monteocha, Fl.	Lat 29°48'02", long 82°22'18", in NW ¹ / ₄ sec. 13, T. 8 S., R. 20 E., Alachua County, Hydrologic Unit 03110206, at wooden bridge on county road 0.8 mi east of State Road 121, 1.5 mi west of State Road 231, 3.5 mi southeast of La Crosse, and 5.0 mi west of Monteocha, Fl.	11.1	1976-77	05-31-95 11-07-95 06-04-96	Dry < 0.01 Dry
6	02320867	University Creek near La Crosse, Fl.	Lat 29°49'11", long 82°23'05", in SW ¹ / ₄ sec. 2, T. 8 S., R. 19 E., Alachua County, Hydrologic Unit 03110206, at culvert on State Highway 121, 1.3 mi north of the junction of State Road 121 with County Road 340, and 1.9 mi southwest of La Crosse, Fl.	5.16	1977	05-31-95 11-07-95 06-04-96	No Flow 0.13 No Flow
7	02320870	Rocky Creek near La Crosse, Fl.	Lat 29°50'23", long 82°22'36", in NE ¹ / ₄ sec. 35, T. 7 S., R. 19 E., Alachua County, Hydrologic Unit 03110206, at culvert on State Highway 235, and 1.7 mi east of La Crosse, Fl.	22.6	1958 1967 1976-77 1992	05-31-95 11-07-95 06-04-96	No Flow No Flow No Flow
8	02320873	Rocky Creek tributary near La Crosse, Fl.	Lat 29°50'23", long 82°22'48", in NE ¹ / ₄ sec. 35, T. 8 S., R. 19 E., Alachua County, Hydrologic Unit 03110206, at bridge on State Highway 235, and 1.5 mi east of La Crosse, Fl.	2.55	1958 1968	05-31-95 11-07-95 06-04-96	No Flow Dry No Flow
9	02321898	Santa Fe River at O'Leno State Park, Fl.	Lat 29°54'51", long 82°34'48", in NE ¹ / ₄ sec. 2, T. 7 S., R. 17 E., Alachua County, Hydrologic Unit 03110206, at suspended foot bridge in park, 0.4 mi upstream from where river enters sink, 6.1mi north of High Springs, and 36 mi upstream from mouth.	820	1961 1977-83 1989-92	06-06-96	59.9

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
ALACHUA COUNTY--Continued							
10	02321970	Hornsby Springs near High Springs, Fl.	Lat 29°50'59", long 82°35'36", in SE ¹ / ₄ sec. 27, T. 7 S., R. 17 E., Alachua County, Hydrologic Unit 03110206, 0.9 mi upstream from confluence with Santa Fe River, and 1.6 mi north of High Springs, Fl.	Indeterminate	1972 1975 1985 1990-91	07-28-95 12-01-95	48.9 44.0
11	02322020	Turkey Creek Tributary at Hague, Fl.	Lat 29°46'15", long 82°25'47", in SE ¹ / ₄ sec. 20, T. 8 S., R. 19 E., Alachua County, Hydrologic Unit 03110206, at culvert on U. S. Highway 441, 0.8 mi west of Hague, 4.0 mi east of Alachua, and 15.2 mi northwest of Gainesville, Fl.	1.68		05-31-95 11-07-95 06-04-96	1.68 0.94 1.50
12	02322049	Bad Dog Run near Alachua, Fl.	Lat 29°49'33", long 82°28'06", in NE ¹ / ₄ sec. 1, T. 8 S., R. 18 E., Alachua County, Hydrologic Unit 03110206, at culvert on County Road 239, and 2.6 mi northeast of Alachua, Fl.	0.49		11-07-96 06-04-96	Dry Dry
13	02322050	Shiloh Run near Alachua, Fl.	Lat 29°49'06", long 82°28'21", in SW ¹ / ₄ sec. 1, T. 8 S., R. 18 E., Alachua County, Hydrologic Unit 03110206, at culvert on County Road 239, 0.7 mi above mouth, and 2.8 mi northeast of Alachua, Fl.	0.32	1983-88	05-31-95 11-07-96 06-04-96	Dry 0.06 Dry
14	02322060	Mill Creek near High Springs, Fl.	Lat 29°50'41", long 82°30'07", in SW ¹ / ₄ sec. 27, T. 7 S., R. 18 E., Alachua County, Hydrologic Unit 03110206, at culvert on Old Bellamy Road, 3 mi southeast of Traxler, and 3.8 mi north of Alachua, and 5.7 mi east of High Springs, Fl.	4.4	1976	05-31-95 11-07-95 06-04-96	0.14 0.14 0.08
15	02322064	Townsend Branch near Alachua, Fl.	Lat 29°51'17", long 82°30'55", in SE ¹ / ₄ sec. 37, T. 7 S., R. 18 E., Alachua County, Hydrologic Unit 03110206, at culvert on Old Bellamy Road, 2 mi southeast of Traxler, and 4.3 mi north of Alachua, Fl.	2.44		05-31-95 11-07-95 06-04-96	Dry Dry Dry
16	02322140	Poe Springs near High Springs, Fl.	Lat 29°49'33", long 82°38'58", in NE ¹ / ₄ sec. 6, T. 8 S., R. 17 E., Alachua County, Hydrologic Unit 03110206, on left bank of Santa Fe River, 2.8 mi west of High Springs, Fl.	Indeterminate	1917 1929 1932 1942 1946 1956 1961 1972	07-28-95 12-01-95	49.7 50.2
BRADFORD COUNTY							
17	02320730	Alligator Creek at State Highway 230 at Starke, Fl.	Lat 29°56'33", long 82°06'15", in SE ¹ / ₄ sec. 28, T. 6 S., R. 22 E., Bradford County, Hydrologic Unit 03110206, at bridge on State Road 230, and 0.5 mi east of the junction of State Road 230 with U. S. Highway 301 at Starke, Fl.	17.7	1976	05-31-95 11-07-95 06-04-96	5.49 7.89 0.04
18	02320732	Alligator Creek at Starke, Fl.	Lat 29°56'10", long 82°06'43", in NW ¹ / ₄ sec. 33, T. 6 S., R. 22 E., Bradford County, Hydrologic Unit 03110206, at bridge on U.S. Highway 301 at Starke, 0.5 mi south of intersection of U. S. Highway 301 and State Highway 100, and 13 mi upstream from mouth.	19.4	1956 1963-65 1967 1976-77 1982 1989-90 1992	08-23-90 09-27-90 05-31-95 11-07-95 06-04-96	4.71 1.01 6.11 9.47 0.09

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
BRADFORD COUNTY--Continued							
19	02320800	Sampson River at Sampson, Fl.	Lat 29°55'07", long 82°12'39", in NW1/4 sec. 4, T. 7 S., R. 21 E., Bradford County, Hydrologic Unit 03110206, at culvert on State Highway 225, 0.4 mi downstream from Lake Sampson, 5.9 mi upstream from mouth, and 6.3 mi southwest of Starke, Fl.	59.7	1958-60 1965 1967 1975-77 1989-90 1992	08-23-90 05-30-95 11-07-95 06-04-96	0.73 18.8 19.6 2.99
20	02320815	Sampson River at Graham, Fl	Lat 29°51'36", long 82°13'47", in NW1/4 sec. 29, T. 7 S., R. 21 E., Bradford County, Hydrologic Unit 03110206 at bridge on State Highway 18, 0.7 mi west of Graham, and 1.0 mi upstream from mouth.	74.3	1958 1975-77 1990-91	08-23-90 05-30-95 11-07-95 06-03-96	1.46 20.1 22.8 4.28
21	02320849	Santa Fe River at Brooker, Fl.	Lat 29°52'43", long 82°20'12", in SW1/4 sec. 17, T. 7 S., R. 20 E., Bradford County, Hydrologic Unit 03110206, at bridge on State Highway 231, and 0.7 mi south of Brooker, Fl.	245	1956 1990-92	08-23-90 05-30-95 11-07-95 06-03-96	8.16 33.4 47.9 6.97
22	02320898	Alligator Creek near Lawtey, Fl.	Lat 30°03'30", long 82°08'20", in SE1/4 sec. 18, T. 5 S., R. 22 E., Bradford County, Hydrologic Unit 03110206, at bridge on State Highway 225A, 2.8 mi upstream from mouth, and 4.0 mi west of Lawtey, Fl.	28.0	1958 1976-77 1992	05-31-95 11-07-95 06-04-96	No Flow 0.25 Dry
23	02320940	Water Oak Creek at U. S. Highway 301 near Starke, Fl.	Lat 29°58'55", long 82°05'56", in NW1/4 sec. 15, T. 6 S., R. 22 E., Bradford County, Hydrologic Unit 03110206, , at bridge on U. S. Highway 301, and 2.2 mi north of Starke, Fl.	5.15		05-31-95 11-07-95 06-04-96	No Flow 0.12 Dry
24	02320943	Water Oak Creek at County Road 233 near Starke, Fl.	Lat 29°59'50", long 82°06'49", in NW1/4 sec. 9, T. 6 S., R. 22 E., Bradford County, Hydrologic Unit 03110206, at bridge on County Road 233, and 3.7 mi north of Starke, Fl.	6.86	1976-77	05-31-95 11-07-95 06-04-96	< 0.01 0.48 Dry
25	02320950	Water Oak Creek near Starke, Fl.	Lat 30°01'40", long 82°09'20", in NE1/4 sec. 36, T. 5 S., R. 21 E., Bradford County, Hydrologic Unit 03110206, at bridge on State Highway 16, 0.1 mi north of Hillburn Spring, 4.5 mi upstream from mouth, and 7.6 mi northwest of Starke, FL.	20.6	1958-60 1965 1967 1977 1989-90 1992	09-27-90 05-31-95 11-07-95 06-04-96	Dry No Flow 0.43 Dry
26	02320956	Gum Creek near Lawtey, Fl.	Lat 30°00'45", long 82°11'14", in SE1/4 sec. 34, T. 5 S., R. 21 E., Bradford County, Hydrologic Unit 03110206, at bridge on County Road 229, 1.2 mi upstream from mouth at Water Oak Creek, and 7.2 mi southwest of Lawtey,Fl.	13.6	1976-77	05-31-95 11-07-96 06-04-96	Dry 0.23 Dry
27	02320960	Water Oak Creek near Lawtey, Fl.	Lat 30°01'50", Long 82°11'25", in SE1/4 sec. 27, T. 5 S., R. 21 E., Bradford County, Hydrologic Unit 03110206, at bridge on State Highway 225, 2.0 mi upstream from mouth, 3.4 mi southeast of Raiford, and 7.1 mi west of Lawtey, Fl.	39.0	1958 1976-77 1979 1989-90 1992	09-27-90 05-31-95 11-07-95 06-04-96	0.02 0.46 1.96 0.52
28	300212082 131900	New River at State Road 229 near Raiford, Fl.	Lat 30°02'12", Long 82°13'19", in SE1/4 sec. 29, T. 5 S., R.21 E., at bridge on State Road 229, Bradford County, Hydrologic Unit 03110206, (Raiford quadrangle), 0.3 mi below confluence of Turkey and Water Oak Creeks, and 2.2 mi southeast of Raiford.	135		08-23-90 09-27-90	13.3 1.15

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
COLUMBIA COUNTY							
29	02315100	Little Creek near Benton, Fl.	Lat 30°24'56", long 82°38'14", in SW1/4 sec. 8, T. 1 S., R. 17 E., Columbia County, Hydrologic Unit 03110201, at bridge on U. S. Highway 441, 5.1 mi southeast of Benton, and 15.7 mi northwest of Lake City, Fl.	39.8	1989-91	08-22-90 05-30-95 11-21-95 06-05-96	0.10 0.31 3.04 0.38
30	02315155	Caney Flat Branch near Suwannee Valley, Fl.	Lat 30°19'34", long 82°33'18", in SW1/4 sec. 7, T. 2 S., R. 18 E., Columbia County, Hydrologic Unit 03110201, at culvert on Osceola National Forest Road 233, 0.3 mi north of forest observation tower and 9 mi northeast of Suwannee Valley, Fl.	9.9A		05-30-95 11-21-95 06-05-96	Dry 1.26 Dry
31	02315160	Deep Creek at Drew Grade Road near Suwannee Valley, Fl.	Lat 30°21'10", long 82°33'51", in NE1/4 sec. 1, T. 2 S., R. 17 E., Columbia County, Hydrologic Unit 03110201, at bridge on Drew Grade Road, 3.2 mi east of U. S. Highway 441, and 9 mi northeast of Suwannee Valley, Fl.	71A		11-21-95 06-05-96	7.79 No Flow
32	02315392	Robinson Creek near Suwannee Valley, Fl.	Lat 30°18'56", long 82°38'41", in NW1/4 sec. 18, T. 2 S., R. 17 E., Columbia County, Hydrologic Unit 03110201, at bridge on State Road 246, 3.4 mi upstream from mouth, 4.0 mi northeast of Suwannee Valley, and 8.7 mi north of Lake City, Fl.	27.4	1967 1976-82 1989-91	08-22-90 09-26-90 05-30-95 11-21-95 06-05-96	0.07 0.04 0.24 2.98 0.18
33	02315470	Falling Creek near Winfield, Fl.	Lat 30°15'40", long 82°40'06", in NE1/4 sec. 1, T. 3 S., R. 16 E., Columbia County, Hydrologic Unit 03110201, at bridge on State Highway 131, 1.1 mi north of intersection of State Highway 131 and U.S. 41, 1.2 mi east of Winfield, and 5.1 mi north of City Hall in Lake City, Fl.	52.9	1977-82 1989-91	08-22-90 09-26-90 05-30-95 11-21-95 06-05-96	>.01 0 0.20 6.57 0.02
34	02321600	Olustee Creek near Lulu, Fl.	Lat 30°05'42", long 82°28'25", in SW1/4 sec. 36, T. 4 S., R. 18 E., Columbia County, Hydrologic Unit 03110206, at bridge on State Highway 100, 1.4 mi southeast of Lulu, 7.4 mi upstream from Swift Creek, and 18 mi upstream from mouth.	49.1	1965-67 1969-73 1975-78 1989 1991	05-30-95 11-07-95 06-04-96	0.17 1.25 0.11
35	02321800	Olustee Creek near Providence, Fl.	Lat 30°00'14", long 82°34'20", in NW1/4 sec. 1, T. 6 S., R. 17 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 238, 1.5 mi west of Providence, 3.6 mi downstream from Swift Creek, and 6.8mi upstream from mouth.	163	1956-61 1964-77 1989-90 1992	08-23-90 05-31-95 11-07-95 06-04-96	No Flow 0.90 3.63 0.87
36	02321890	Hammock Branch near Ft. White, Fl.	Lat 29°56'07", long 82°36'46", in SE1/4 sec. 28, T. 6 S., R. 17 E., Columbia County, Hydrologic Unit 03110206, at bridge on State Highway 18, and 6.1 mi east of Ft. White, Fl.	1.23	1967	05-31-95 11-08-95 06-04-96	Dry Dry Dry
37	02322000	Santa Fe River near High Springs, Fl.	Lat 29°50'33", long 82°37'52", in NE1/4 sec. 32, T. 7 S., R. 17 E., Columbia County, Hydrologic Unit 03110206, at bridge on U. S. Highway 27, 100 ft upstream from Atlantic Coast Line Railroad bridge, and 2 mi northwest of High Springs, Fl.	868	1929-72 1976-77 1989 1991	05-31-95 06-06-96	263 231
38	02322540	Santa Fe River at State Hwy. 47 near Ft. White, Fl.	Lat 29°51'54", long 82°44'25", in NW1/4 sec. 28, T. 7 S., R. 16 E., Columbia County, Hydrologic Unit 03110206, at bridge on State Highway 47, 4.3 mi south of Ft. White and 16 mi upstream from mouth.	1,027	1932 1977	08-23-90	992

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
COLUMBIA COUNTY--Continued							
39	02322597	Clay Hole Creek near Lake City, Fl.	Lat 30°08'20", long 82°36'19", in SW1/4 sec. 15, T. 4 S., R. 17 E., Columbia County, Hydrologic Unit 03110206, at culvert on county road 133, 0.2 mi north of highway 252, and 3.2 mi south of Lake City, Fl.	3.40		05-30-95 11-07-95 06-04-96	No Flow Dry Dry
40	02322613	Clay Hole Creek near Columbia, Fl.	Lat 30°06'50", long 82°39'34", in SW1/4 sec. 34, T. 4 S., R. 16 E., Columbia County, Hydrologic Unit 03110206, at culvert on State Road 47, 0.2 mi south of I-75 interchange at State Road 47, 3.7 mi southwest of Columbia, and 5.5 mi south of Lake City, Fl.	28.3		05-30-95 11-07-95 06-04-96	Dry Dry Dry
41	02322655	Rose Creek near Lake City, Fl.	Lat 30°05'34", long 82°35'37", in SW1/4 sec. 35, T. 4 S., R. 17 E., Columbia County, Hydrologic Unit 03110206, at bridge on Hopeful Church Road, 0.5 mi east of U. S. Highway 441, 1.9 mi north of Mytris, and 6.2 mi east of Columbia, Fl.	15.1		06-01-95 11-07-95 06-04-96	No Flow Dry Dry
42	02322660	Rose Creek near Columbia, Fl.	Lat 30°04'23", long 82°40'38", in SW1/4 sec. 12, T. 5 S., R. 16 E., Columbia County, Hydrologic Unit 03110206, at bridge on county road, and 1.36 mi east of Columbia, Fl.	26.2	1965 1967 1975-77 1989 1992	06-01-95 11-07-95 06-04-96	Dry Dry Dry
DIXIE COUNTY							
43	02324166	Sand Hill Creek near Steinhatchee, Fl.	Lat 29°40'36", long 82°20'27", in SE1/4 sec. 20, T. 9 S., R. 10 E., Dixie County, Hydrologic Unit 03110102, at bridge on State Highway 358, 1.3 mi upstream from mouth, 1.8 mi northeast of Jena, and 2.9 mi east of Steinhatchee, Fl.	69A	1988-89	06-01-95 06-03-96	No Flow 2.65
GILCHRIST COUNTY							
44	02322350	Blue Springs near High Springs, Fl.	Lat 29°49'47", long 82°40'59", in SE1/4 sec. 35, T. 7 S., R. 16 E., Gilchrist County, Hydrologic Unit 03110206, 0.2 mi upstream from left bank of Santa Fe River, 1.0 mi upstream from July Springs, 4.1 downstream from U. S. 27, 4.2 mi west of High Springs, 6.4 mi south of Fort White, and 21 mi upstream from the mouth of the Santa Fe River.	Indeterminate	1975 1990	07-30-95 12-01-95	37.5 39.4
45	02322400	Ginnie Springs near Fort White, Fl.	Lat 29°50'10", long 82°42'01", in NW1/4 sec. 34, T. 7 S., R. 16 E., Gilchrist County, Hydrologic Unit 03110206, 0.1 mi upstream from Santa Fe River, 5.3 mi downstream from U. S. Highway 27, 6.0 mi south of Fort White, and 20 mi up-stream from the mouth of the Santa Fe River.	Indeterminate	1975 1977 1993	07-30-95 12-01-95	47.9 58.7
46	02322590	Cow Creek near Fort White, Fl.	Lat 29°51'21", long 82°45'24", in SW1/4 sec. 19, T. 7 S., R. 16 E., Gilchrist County, Hydrologic Unit 03110206, at culvert at State Highway 138, 1.0 mi west of State Highway 47, 4.3 mi upstream from mouth, and 5.2 mi south of Fort White, Fl.	89.0	1975-77 1989-90 1992	08-23-90 11-21-95	1.62 0.53

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
GILCHRIST COUNTY--Continued							
47	02322800	Santa Fe near Hildreth, Fl.	Lat 29°54'41", long 82°51'38", in NE ¹ / ₄ sec. 1 T. 7 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110205, at bridge on U. S. Highway 129, 2.4 mi upstream from mouth, and 4.4 mi southeast of Hildreth, Fl.	1374	1956 1977 1990 1992	08-22-90 12-06-95	1,290 1,370
48	02322997	Rock Bluff Spring near Bell, Fl.	Lat 29°47'50", long 82°55'10", in SW ¹ / ₄ sec. 9 T. 8 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110205, on left bank of Suwannee River, and 4.4 mi northwest of Bell, Fl.	Indeterminate	1943 1956 1961 1973 1977 1990-91 1993	08-01-95 12-05-95	30.5 31.5
49	02323000	Suwannee River near Bell, Fl.	Lat 29°48', long 82°55', in sec. 16 or 17 T. 8 S., R. 14 E., Gilchrist County, on left bank at Rock Bluff Ferry, 4.5 mi northwest of Bell, and 10 mi downstream from mouth of Santa Fe River.	9,260	1955-56	08-22-90	3,760
50	02323095	Sun Spring near Wane, Fl.	Lat 29°42'16", long 82°56'01", in NW ¹ / ₄ sec. 17 T. 9 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110205, on left bank of Suwannee River, 1.1 mi southeast of Wane, and 45.3 mi upstream from the mouth of the Suwannee River.	Indeterminate	1973	08-01-95 12-05-95	44.2 29.8
51	02323150	Hart Springs near Wilcox, Fl.	Lat 29°40'30", long 82°57'07", in NW ¹ / ₄ sec. 30, T. 9 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110205, on left bank of Suwannee River, and 4.8 mi north of Wilcox, Fl.	Indeterminate	1932 1946 1956 1961 1973 1977	08-01-95 12-05-95	87.4 80.0
HAMILTON COUNTY							
52	02314970	Rocky Creek near Cypress Creek, Fl.	Lat 30°35'52", long 82°46'36", in SW ¹ / ₄ sec. 25, T. 2 N., R. 15 E., Hamilton County, Hydrologic Unit 03110201, at bridge on dirt road, 2.2 mi south of Cypress Creek, 3.8 mi south of Florida-Georgia State Line, and 4.4 mi upstream from mouth.	17A		06-01-95 11-21-95 06-05-96	0.02 No flow No flow
53	02314982	Cypress Creek near Cypress Creek, Fl.	Lat 30°33'34", long 82°45'38", in SW ¹ / ₄ sec. 24, T. 2 N., R. 15 E., Hamilton County, Hydrologic Unit 03110201, at bridge on dirt road, 1.4 mi south of Cypress Creek, 2.2 mi upstream from confluence with Rocky Creek, 2.7 mi above Woodpecker Road, and 3 mi south of the Florida-Georgia State Line.	27A		06-01-95 11-21-95 06-05-96	No Flow No Flow No Flow
54	02314986	Rocky Creek near Belmont, Fl.	Lat 30°32'40", long 82°44'02", in SE ¹ / ₄ sec. 29, T. 2 N., R. 16 E., Hamilton County, Hydrologic Unit 03110201, at bridge on Woodpecker Road, 1.4 mi upstream from mouth, 3.0 mi north of Belmont, 12 mi east of Bakers Mill and, 25.6 mi northeast of Jasper, Fl.	50A	1970-84 1989-91	08-22-90 06-01-95 11-21-95 06-05-96	0.06 0.04 0.48 0.08

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements		
						Date	Discharge (ft ³ /s)	
HAMILTON COUNTY--Continued								
55	02315005	Hunter Creek near Belmont Fl.	Lat 30°29'08", long 82°42'44", in SE ¹ / ₄ sec. 16, T. 1 N., R. 16 E., Hamilton County, Hydrologic Unit 03110201, at bridge on State Highway 135, 0.8 mi upstream from mouth and, 1.6 mi southeast of Belmont, Fl.	Indeterminate	1970-91	08-22-90 06-02-95 11-21-95 06-05-96	0.17 4.45 3.56 3.08	
56	02315090	Roaring Creek near Belmont, Fl.	Lat 30°25'44", long 82°41'05", in SE ¹ / ₄ sec. 2, T. 1 S., R. 16 E., Hamilton County, Hydrologic Unit 03110201, at bridge on State Highway 135, 1.6 mi upstream from mouth, and 5.8 mi southeast of Belmont, Fl.	17.5	1970 1977-78 1984-89 1991	06-02-95 11-21-95 06-05-96	0.01 0.52 0.02	
57	02315520	Swift Creek at Facil, Fl.	Lat 30°22'14", long 82°48'00", in SE ¹ / ₄ sec. 27, T. 1 S., R. 15 E., Hamilton County, Hydrologic Unit 03110201, at bridge on U. S. Highway 41, 0.5 mi northwest of Facil, 2.8 mi upstream from mouth, and 3.0 mi southeast of Genoa, Fl.	Indeterminate	1969-90	08-22-90 05-31-95 11-06-95 06-05-96	19.9 4.04 30.3 35.9	
58	02315542	Camp Branch near Genoa, Fl.	Lat 30°24'25", long 82°51'54", in NE ¹ / ₄ sec. 13, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at culvert on State Highway 132, 1.8 mi west of Genoa, 1.8 mi south of Camps Still, and 3.5 mi upstream from mouth.	6.1	1979-83	05-31-95 11-06-95 06-05-96	No Flow 0.20 Dry	
59	02315603	Sugar Creek at County Road near Suwannee Springs, Fl.	Lat 30°26'14", long 82°55'22", in NW ¹ / ₄ sec. 4, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at bridge on dirt road, 0.5 mi west of I-75, 0.7 mi east of U. S. Highway 129, and 3.1 mi north of Suwannee Springs, Fl.	0.50		05-31-95 11-21-95 06-05-96	0.02 0.02 0.11	
60	02315604	Sugar Creek at County Road 132 near Suwannee Springs, Fl.	Lat 30°24'28", long 82°55'45", in SW ¹ / ₄ sec. 9, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at culvert on County Road 132, 0.3 mi east of U. S. Highway 129, and 1.1 mi north of Suwannee Springs, Fl.	4.16		05-31-95 11-06-95 06-05-96	0.34 0.81 0.44	
61	02315605	Sugar Creek at U. S. Highway 129 near Suwannee Springs, Fl.	Lat 30°23'54", long 82°56'01", in SE ¹ / ₄ sec. 17, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at bridge on U. S. Highway 129, 0.4 mi north of Suwannee Springs, Fl.	4.96		06-01-95 11-07-95	0.33 1.32	
62	02315606	Ratliff Creek near Suwannee Springs, Fl.	Lat 30°25'21", long 82°56'33", in SW ¹ / ₄ sec. 5, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at bridge on Old Dominion Church Road, about 0.2 mi east of railroad crossing, 0.7 mi west of U. S. Highway 129, and 2.1 mi north of Suwannee Springs, Fl.	1.63		05-31-95 11-07-95 06-05-96	0.08 0.31 0.13	
63	02315613	Mitchell Creek near Suwannee Springs, Fl.	Lat 30°26'35", long 82°59'08", in SE ¹ / ₄ sec. 35, T. 1 S., R. 13 E., Hamilton County, Hydrologic Unit 03110201, at bridge on County Road 158, 1.1 mi north of Suwannee River, 3.1 mi west of U. S. Highway 129, and 4.7 mi northwest of Suwannee Springs, Fl.	3.29		06-01-95 11-07-95 06-05-96	0.34 0.38 0.39	
64	02315620	Holton Spring near Ft. Union, Fl.	Lat 30°26'15", long 83°03'27", in SW ¹ / ₄ sec. 31, T. 1 S., R. 13 E., Hamilton County, Hydrologic Unit 03110201, at spring at head of Holton Creek, 0.7 mi upstream from mouth, 2.2 mi north of Fort Union, and 139 mi upstream from the mouth of the Suwannee River.	Indeterminate	1976 1985	07-27-95 11-28-95	20.4 Dry	

Map no.	Station no.	Station name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
HAMILTON COUNTY--Continued							
65	02315642	Tiger Creek near Jasper, Fl.	Lat 30°30'09", long 82°59'11", in NE ¹ / ₄ sec. 11, T. 1 N., R. 13 E., Hamilton County, Hydrologic Unit 03110201, at bridge on State Highway 259, 1.5 mi south of U. S. Highway 41, and 2.0 mi southwest of Jasper, Fl.	37A		06-01-95 06-05-96	No Flow No Flow
66	02315648	Alapaha Rise near Fort Union, Fl.	Lat 30°26'14", long 83°05'13", in SE ¹ / ₄ sec. 35, T. 1 N., R. 12 E., Hamilton County, Hydrologic Unit 03110202, 300 ft below main pool, 10 mi southwest of Jasper, and 11.3 mi south of Jennings, Fl.	Indeterminate	1977-83 1985	08-08-95 11-28-95	374 325
67	02317615	Apalahoochee River near Jennings, Fl.	Lat 30°36'58", long 83°04'48", in NE ¹ / ₄ sec. 224, T. 2 N., R. 12 E., Hamilton County, Hydrologic Unit 03110202, at bridge on county road, 0.3 mi south of Florida-Georgia State Line, and 1.4 mi northeast of Jennings, Fl.	240A		06-01-95 11-21-95	16.8 33.3
68	02317620	Alapaha River near Jennings, Fl.	Lat 30°35'53", long 83°04'24", in SW ¹ / ₄ sec. 1, T. 2 N., R. 12 E., Hamilton County, Hydrologic Unit 03110202, at bridge on State Highway 150, 150 ft upstream from Southern Railroad bridge, 1400 ft downstream from Apalahoochee River, 1.5 mi south of the Florida-Georgia State Line, and 1.6 mi southeast of Jennings, Fl.	1680	1923 1928 1976-87 1990-91	08-22-96 05-30-95 11-21-95 06-05-96	45.6 147 74.0 128
69	02317625	Alligator Creek near Jennings, Fl.	Lat 30°35'47", long 83°01'07", in NE ¹ / ₄ sec. 9, T. 2 N., R. 13 E., Hamilton County, Hydrologic Unit 03110202, at bridge on County Road 150, 0.4 mi west of State Road 100, 1.4 mi south of Florida-Georgia State Line, and 4.7 mi east of Jennings, Fl.	30A		05-30-95 11-21-95 06-05-96	0.06 0.10 No Flow
70	02317630	Alapaha River near Jasper, Fl.	Lat 30°31'42", long 83°02'17", in SE ¹ / ₄ sec. 32, T. 2 N., R. 13 E., Hamilton County, Hydrologic Unit 03110202, at bridge on U. S. Highway 41, 5.4 mi west of Jasper, 6.3 mi southeast of Jennings and 11 mi upstream from mouth.	1,720	1948 1966-77 1979-82 1985-89 1991 1994	06-01-95 11-21-95	Dry No Flow
71	02317635	Little Alapaha River near Bakers Mill, Fl.	Lat 30°35'07", long 82°56'40", in SW ¹ / ₄ sec. 8, T. 2 N., R. 14 E., Hamilton County, Hydrologic Unit 03110202, at bridge on County Road 51, 0.6 mi northwest of Bakers Mill, and 1.9 mi south of Florida-Georgia State Line.	30A		05-30-95 11-21-95 06-05-96	No Flow 0.50 No Flow
72	02317637	Little Alapaha River near Avoca, Fl.	Lat 30°33'55", long 82°59'14", in NE ¹ / ₄ sec. 23, T. 2 N., R. 13 E., Hamilton County, Hydrologic Unit 03110202, at bridge on U. S. Highway 129, and 2.1 mi southeast of Avoca, Fl.	21.6	1965 1967	05-30-95 11-21-95 06-05-96	0.04 0.50 0.08
73	02319300	Withlacoochee River at State Highway 6 near Madison, Fl.	Lat 30°28'56", long 83°14'35", in SW ¹ / ₄ sec. 17, T. 1 N., R. 11 E., Hamilton County, Hydrologic Unit 03110203, on left bank at downstream side of bridge on State Highway 6, 10.2 mi east of Madison, and 12 mi upstream from mouth.	2,340	1960 1977 1984	08-22-90	92.9
74	302227082 514800	Jerry Branch near Genoa, Fl.	Lat 30°22'27", long 82°59'14", in NE ¹ / ₄ sec. 25, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at culvert on Interstate Highway I-75, and 2.5 mi southwest of Genoa, Fl.	Indeterminate	1977 1989	06-05-96	No Flow

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
HAMILTON COUNTY--Continued							
75	302848082 420100	Suwannee River below Hunter Creek near Benton, Fl.	Lat 30°28'48", long 82°42'01", in NE ¹ / ₄ sec. 22, T. 1 N., R. 16 E., Hamilton County, Hydrologic Unit 03110201 (Benton quadrangle), at limestone outcrop shoal, 0.25 mi downstream from confluence of Hunter Creek, 0.6 mi east of State Road 135, and 2.4 mi west of Benton.	Not Determined		08-22-90	11.2
76	302025082 484400	Suwannee River below Blue Sink near White Springs, Fl.	Lat 30°20'25", long 82°48'44", in SE ¹ / ₄ sec. 4, T. 2 S., R. 15 E., Hamilton-Suwannee Counties, Hydrologic Unit 03110201 3.3 mi west of White Springs and 4.4 mi southeast of Genoa.	Not Determined	1977-79	08-22-90	20.6
JEFFERSON COUNTY							
77	02326250	Aucilla River near Aucilla, FL.	Lat 30°29'31", long 83°43'53", in NW ¹ / ₄ sec. 16, T.1 N., R.6 E., Jefferson County, Hydrologic Unit 03110103, at bridge on U.S. Highway 90, 1.3 mi northeast of Aucilla, and 48 mi upstream from mouth.	345	1965-80	08-23-90	No Flow
78	02326526	Wacissa River near Wacissa, Fl.	Lat 30°18'04", long 83°58'47", in NE ¹ / ₄ sec. 24, T.2 S., R.3 E., Jefferson County, on left bank 200 fet upstream from midstream island, 2.1 mi upstream from Welaunee Creek, 2.4 mi downstream from confluence of Little River and Horsehead Run and 4.0 mi south of Wacissa.	30	1971-76	09-05-90	579
79	02326529	Welaunee Creek near Capps, Fl.	Lat 30°20'25", long 83°54'50", in NE ¹ / ₄ sec. 3, T.2 S., R.4 E., at bridge on County road, 5.0 mi south of Capps, Jefferson County, Fl.	98.9	1956 1965-67	08-23-90	No Flow
LAFAYETTE COUNTY							
80	02319794	Mill Creek near Dowling Park, Fl.	Lat 30°15'18", long 83°17'00", in NW ¹ / ₄ sec. 1, T. 3 S., R. 10 E., Lafayette County, Hydrologic Unit 03110205, at bridge on State Highway 53, 550 ft south of church and cemetery, 0.4 mi south of Madison-Lafayette County Line, 0.6 mi south of fire tower, and 2.7 mi west of Dowling Park, Fl.	26A		11-07-95 06-06-96	2.01 3.36
81	02319795	Mill Creek Tributary near Dowling Park, Fl.	Lat 30°15'15", long 83°17'00", in NW ¹ / ₄ sec. 1, T. 3 S., R. 10 E., Lafayette County, Hydrologic Unit 03110205, at bridge on State Highway 53, 900 ft south of church and cemetery, 0.5 mi south of Madison-Lafayette County Line, 0.7 mi south of fire tower, and 2.7 mi west of Dowling Park, Fl.	5A		11-07-95 06-06-96	2.18 5.00
82	02319800	Suwannee River at Dowling Park, Fl.	Lat 30°14'41", long 83°14'59", in NW ¹ / ₄ sec. 8, T. 3 S., R. 11 E., Lafayette County, Hydrologic Unit 03110205, at bridge on State Highway 250, at Dowling Park, and 112 mi upstream from mouth.	7,190	1954 1967 1977	08-22-90	1,240
83	02319915	Allen Mill Pond Spring near Dell, Fl.	Lat 30°09'45", long 83°14'33", in SW ¹ / ₄ sec. 5, T. 4 S., R. 11 E., Lafayette County, Hydrologic Unit 03110205, on right bank of the Suwannee River, 0.6 mi upstream from mouth, 2.0 mi north of Dell, 5.7 mi south of Dowling Park, 8.0 mi northwest of Mayo, and 105 mi upstream from the mouth of the Suwannee River.	Indeterminate	1974 1977	07-25-95 11-29-95	12.4 8.87

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
LAFAYETTE COUNTY--Continued							
84	02319950	Blue Spring near Dell, Fl.	Lat 30°07'33", long 83°13'34", in NW ¹ / ₄ sec. 21, T. 4 S., R. 11 E., Lafayette County, Hydrologic Unit 03110205, on west bank of the Suwannee River, 1.1 mi southeast of Dell, 5.3 mi northwest of Mayo, and 102 mi upstream from the mouth of the Suwannee River.	Indeterminate	1974 1977 1992-93	07-25-95 11-29-95	77.2 44.8
85	02320050	Troy Spring near Branford, Fl.	Lat 30°00'21", long 82°59'51", in SE ¹ / ₄ sec. 34, T. 5 S., R. 13 E., Lafayette County, Hydrologic Unit 03110205, on right bank of Suwannee River, 5.3 mi northwest of Branford, Fl.	Indeterminate	1942 1961 1963 1974 1977 1985 1990 1993	07-27-95 11-30-95	132 97.8
86	02320100	Convict Spring near Mayo, Fl.	Lat 30°05'18", long 83°05'46", in SE ¹ / ₄ sec. 35, T. 4 S., R. 12 E., Lafayette County, Hydrologic Unit 03110205, on right bank of the Suwannee River, 4.7 mi northeast of Mayo, and 91 mi up-stream from the mouth of the Suwannee River.	Indeterminate	1974 1992	07-26-95 11-29-95	1.72 0.17
87	02320240	Mearson Spring near Mayo, Fl.	Lat 30°02'28", long 83°01'32", in NE ¹ / ₄ sec. 21, T. 5 S., R. 13 E., Lafayette County, Hydrologic Unit 03110205, on right bank of the Suwannee River, 5.1 mi west of O'Brien, 9.1 mi east of Mayo, and 84 mi upstream from the mouth of the Suwannee River.	Indeterminate	1976 1977 1993	07-26-95 11-30-95	30.0 58.6
88	02320260	Ruth Spring near Branford, Fl.	Lat 29°59'44", long 82°58'38", in NE ¹ / ₄ sec. 1, T. 6 S., R. 13 E., Lafayette County, Hydrologic Unit 03110205, on right bank of Suwannee River, 3.6 mi southwest of O'Brien, 4.1 mi northwest of Branford, and 80 mi upstream from the mouth of the Suwannee River.	Indeterminate	1974	07-27-95 11-30-95	9.93 3.14
89	02320550	North Mallory Swamp Drain near Branford, Fl.	Lat 29°54'18", long 82°57'11", in NW ¹ / ₄ sec. 6, T. 7 S., R. 14 E., Lafayette County, Hydrologic Unit 03110205, at culvert on State Highway 349, 3.1 mi south of U. S. Highway 27, and 3.7 mi southwest of Branford, Fl.	8.5A		06-01-95 11-07-95 06-04-96	1.11 0.33 0.33
90	02322880	Turtle Spring near Hatchbend, Fl.	Lat 29°50'55", long 82°53'24", in NW ¹ / ₄ sec. 26, T. 7 S., R. 14 E., Lafayette County, Hydrologic Unit 03110205, on right bank of the Suwannee River, 0.2 mi northeast of Fletcher Spring, 1.4 mi east of Hatchbend, and 61.5 mi upstream from the mouth of the Suwannee River.	Indeterminate	1973 1977	07-27-95 11-30-95	31.2 20.8
91	02322990	Hatchbend Drain near Branford, Fl.	Lat 29°50'28", long 82°58'03", in SE ¹ / ₄ sec. 25, T. 7 S., R. 13 E., Lafayette County, Hydrologic Unit 03110205, at culvert on State Highway 349, 1.1 mi north of Lafayette-Dixie county line, 3.0 mi west of Hatchbend and 9.4 mi south of Branford, Fl.	12A		06-01-95 11-07-95 06-04-96	1.31 Dry Dry
92	02323840	Steinhatchee River near Cooks Hammock, Fl.	Lat 29°53'27", long 83°15'00", in NW ¹ / ₄ sec. 8, T. 7 S., R. 10 E., Lafayette County, Hydrologic Unit 03110202, at culverts on County Road 357, 3.1 mi south of Cooks Hammock, and 16.4 mi north of Steinhatchee, Fl.	56A		06-01-95 11-07-95 06-04-96	12.3 2.46 4.35

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
LAFAYETTE COUNTY--Continued							
93	02323870	Steinhatchee River near Mayo, Fl.	Lat 29°50'32", long 83°18'30", in SE ¹ / ₄ sec. 27, T. 7 S., R. 10 E., Lafayette County, Hydrologic Unit 03110102 at bridge on graded road, 16.6 mi southwest of Mayo, Fl.	85.5	1956 1965-67 1989-91	09-11-90 05-30-95 11-07-95 06-04-96	10.7 20.0 1.88 3.54
94	02323883	Kettle Creek Overflow near Mayo, Fl.	Lat 29°51'04", long 83°18'37", in NE ¹ / ₄ sec. 27, T. 7 S., R. 10 E. Lafayette County, Hydrologic Unit 03110102, at culvert on State Highway 51, and 16.5 mi southwest of Mayo, Fl.	B		06-01-95 11-07-95 06-04-96	No Flow Dry No Flow
95	02323884	Kettle Creek at North Bridge near Mayo, Fl.	Lat 29°50'38", long 83°18'41", in SE ¹ / ₄ sec. 27, T. 7 S., R. 10 E., Lafayette County, Hydrologic Unit 03110102, at bridge on State Highway 51, and 17.0 mi southwest of Mayo, Fl.	B	1956 1965-67	06-01-95 11-07-95 06-04-96	1.71 0.93 0.48
96	02323940	Kettle Creek at South Bridge near Mayo, Fl.	Lat 29°50'20", long 83°18'54", in SE ¹ / ₄ sec. 27, T. 7 S., R. 10 E., Lafayette County, Hydrologic Unit 03110102, at bridge on State Highway 51, and 17.3 mi southwest of Mayo, Fl.	B	1966-67	06-01-95 11-07-95 06-04-96	2.90 0.38 0.28
LEVY COUNTY							
97	02313400	Waccasassa River near Bronson, Fl.	Lat 29°28'32", long 82°42'58", in NE ¹ / ₄ sec. 4, T. 12 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at bridge on U. S. Highway Alternate 27, 2.5 mi upstream from Little Wacasassa River, 5 mi northwest of Bronson, and 28 mi upstream from mouth.	220A	1961-78 1980-86	05-30-95 06-04-96	No Flow <5
98	02313448	Little Wacasassa River near Bronson, Fl.	Lat 29°28'34", long 82°41'13", in NW ¹ / ₄ sec. 2, T. 12 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at bridge on U.S. Highway Alternate 27, 0.3 mi west of junction of State Highway 339, 2.8 mi upstream from mouth, and 3.7 mi northwest of Bronson, Fl.	18.0	1964-82 1989	05-30-95 06-04-96	No Flow No Flow
99	02313500	Waccasassa River near Otter Creek, Fl.	Lat 29°21'25", long 82°44'06", in NW ¹ / ₄ sec. 17, T. 13 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at bridge on State Highway 24, and 2.8 mi northeast of Otter Creek, Fl.	300A	1945-54 1956 1967	05-31-95 11-07-95 06-04-96	16.3 27.3 17.9
100	02313522	Magee Branch near Bronson, Fl.	Lat 29°21'04", long 82°38'17", in SW ¹ / ₄ sec. 17, T. 17 S., R. 13 E., Levy County, Hydrologic Unit 03110101, at culvert on State Highway 343, 6.6 mi south of Bronson, and 7.4 mi upstream from mouth.	43.3	1981-82 1989	05-30-95 06-04-96	Dry No Flow
101	02313614	Wekiva River near Gulf Hammock, Fl.	Lat 29°16'41", long 82°41'15", in SW ¹ / ₄ sec. 11, T. 14 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at culvert on State Highway 343, and 2.8 mi northeast of Gulf Hammock, Fl.	30.1	1932 1981-82 1989-90	06-01-90 05-31-95 06-04-96	54.5 54.5 67.8
102	02314000	Otter Creek at Otter Creek, Fl.	Lat 29°19'08", long 82°47'03", in SW ¹ / ₄ sec. 26, T. 13 S., R. 15 E., Levy County, Hydrologic Unit 03110101, at bridge on State Highway 24, and 1.1 mi southwest of Otter Creek, Fl.	300A	1945-54 1956 1964	05-31-95 06-04-96	No Flow <0.01
103	02314098	Cow Creek near Gulf Hammock, Fl.	Lat 29°12'37", long 82°41'50", in NW ¹ / ₄ sec. 4, T. 15 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at bridge on U. S. Highway 19, and 3.3 mi southeast of Gulf Hammock, Fl.	19.5	1964-65 1967 1981-82 1989	05-30-95 06-04-96	No Flow 1.04

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
LEVY COUNTY--Continued							
104	02314134	Sand Slough near Lebanon Station, Fl.	Lat 29°11'17", long 82°41'01", in SW ¹ / ₄ sec. 10, T. 15 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at culvert on U. S. Highway 19, and 3.3 mi northwest of Lebanon Station, Fl.	32.3	1964 1981-82 1989	05-30-95 06-04-96	Dry 0.01
105	02314170	Tenmile Creek near Dunnellon, Fl.	Lat 29°06'27", long 82°33'27", in NE ¹ / ₄ sec. 11, T. 16 S., R. 17 E., Levy County, Hydrologic Unit 03110101, at culvert on State Highway 336, 1.7 mi southeast of Tidewater, 7.4 mi northwest of Dunnellon, and 7.7 mi upstream from mouth.	3.7A	1981-82	05-30-95 06-04-96	Dry <0.01
106	02314200	Tenmile Creek at Lebanon Station, Fl.	Lat 29°09'39", long 82°38'21", in SE ¹ / ₄ sec. 24, T. 15 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at bridge on U. S. Highways 19 and 98, 0.2 mi south of Lebanon Station, 9.4 mi up-stream from mouth, and 13 mi northwest of Dunnellon, Fl.	26.0A	1963-93	05-30-95 06-04-96	0.22 2.60
107	02314205	Horse Hole Creek near Lebanon Station, Fl.	Lat 29°08'01", long 82°38'14", in SE ¹ / ₄ sec. 24, T. 15 S., R. 16 E., Levy County, Hydrologic Unit 03110101, at culvert on U. S. Highways 19 and 98, 2.7 mi south of Lebanon Station, 9.4 mi up-stream from mouth, and 10.5 mi northwest of Dunnellon, Fl.	8.1	1963-93	05-30-95 06-04-96	Dry 0.13
108	02323502	Fannin Spring near Wilcox, Fl.	Lat 29°35'20", long 82°56'00", in NW ¹ / ₄ sec. 29, T. 10 S., R. 14 E., Levy County, Hydrologic Unit 03110205, on left bank of the Suwannee River, and 1.8 mi southwest of Wilcox, Fl.	Indeterminate	1931-32 1943 1956 1961 1963 1972-73 1977 1985 1990	07-31-95 12-05-95	116 108
109	02323566	Manatee Springs near Chiefland, Fl.	Lat 29°29'22", long 82°58'37", in SE ¹ / ₄ sec. 26, T. 11 S., R. 13 E., Levy County, Hydrologic Unit 03110205, on left bank of the Suwannee River, and 7.2 mi west of Chiefland, Fl.	Indeterminate	1932 1943 1946 1956 1961 1963 1972 1977 1985 1990	07-31-95 12-05-95	235 194
MADISON COUNTY							
110	02319302	Blue Springs near Madison, Fl.	Lat 30°28'49", long 83°14'40", in SW ¹ / ₄ sec. 17, T. 1 N., R. 11 E., Madison County, Hydrologic Unit 03110203, on right bank of the Withlacoochee River, and 10.2 mi east of Madison, Fl.	Indeterminate	1932 1946 1956 1961 1963 1974 1977 1985 1990-91 1993	07-26-95 11-28-95	107 86.5

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
MADISON COUNTY--Continued							
111	02319387	Norton Creek at Lee, Fl.	Lat 30°24'52", long 83°18'02", in NW ¹ / ₄ sec. 11, T. 1 S., R. 10 E., Madison County, Hydrologic Unit 03110203, at culverts on State Highway 255, and 0.3 mi south of Lee, Fl.	Indeterminate	1964	11-07-95 06-04-96	Dry Dry
112	02319390	Norton Creek near Lee, Fl.	Lat 30°24'51", long 83°16'50", in NW ¹ / ₄ sec. 12, T. 1 S., R. 10 E., Madison County, Hydrologic Unit 03110203, at culvert on U. S. Highway 90, and 1.2 mi east of Lee, Fl.	Indeterminate	1964	11-07-95 06-04-96	Dry Dry
113	02326245	Gum Creek near Greenville, Fl.	Lat 30°33'16", long 83°38'12", in SW ¹ / ₄ sec. 21, T. 2 N., R. 7 E., Madison County, Hydrologic Unit 03110103, at bridge on U. S. Highway 221, and 5.7 mi north of Greenville, Fl.	Indeterminate	1956	11-07-95 06-04-96	No Flow No Flow
114	02326261	Little Aucilla River near Cherry Lake, Fl.	Lat 30°37'36", long 83°29'44", in SW ¹ / ₄ sec. 26, T. 3 N., R. 8 E., Madison County, Hydrologic Unit 03110103, at culvert on State Highway 253, 5.1 mi northwest of Cherry Lake, and 11.9 mi northwest of Madison, Fl.	13.9	1969-74 1984 1986 1991	11-07-95 06-04-96	No Flow No Flow
115	02326300	Little Aucilla River near Greenville, Fl.	Lat 30°31'10", long 83°35'14", in NE ¹ / ₄ sec. 2, T. 1 N., R. 7 E., Madison County, Hydrologic Unit 03110103, at bridge on State Highway 150, 4.5 mi northeast of Greenville, and 10 mi upstream from mouth.	90.7	1963-70 1972-74 1990-91	08-23-90 11-07-95 06-04-96	No Flow Dry No Flow
116	02326500	Aucilla River at Lamont, Fl.	Lat 30°22'11", long 83°48'25", in NE ¹ / ₄ sec. 27, T. 1 S., R. 5 E., Madison County, Hydrologic Unit 03110103, near left bank on downstream side of bridge on U.S. Highway 19, 0.6 mi southeast of Lamont, and 34 mi upstream from mouth.	747	1950-79 1983-89	08-23-90	4.05
SUWANNEE COUNTY							
117	02315509	Tiger Branch near White Springs, Fl.	Lat 30°17'27", long 82°48'15", in NW ¹ / ₄ sec. 27, T. 2 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at culvert on Adams Road, and 3.8 mi southwest of White Springs, Fl.	5.62		06-01-95 11-08-95 06-05-96	Dry Dry No Flow
118	02315527	Caney Hammock Creek near Wellborn, Fl.	Lat 30°15'45", long 82°50'28", in NW ¹ / ₄ sec. 5, T. 3 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at culvert on Hogan Road, 2.5 mi northwest of Wellborn, and 6.8 mi west of White Spring, Fl.	2.37		06-01-95 11-07-95 06-05-96	0.04 0.25 0.08
119	02315528	Rocky Creek at 98th Terrace near Wellborn, Fl.	Lat 30°16'38", long 82°51'56", in SE ¹ / ₄ sec. 36, T. 2 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at culvert on 98th Terrace, 1.0 mi west of Hogan Road, 4.0 mi northwest of Wellborn, and 7.2 mi southwest of White Springs, Fl.	12.5		06-01-95 11-08-95 06-05-96	Dry No Flow Dry
120	02315529	Rocky Creek near Live Oak, Fl.	Lat 30°17'58", long 82°51'47", in SE ¹ / ₄ sec. 24, T. 2 S., R. 14 E., Suwannee County, Hydrologic Unit 03110201, at culvert on Hogan Road, 0.1 mi west of junction of Hogan and Miller Roads, 6.6 mi west of White Springs, and 7.7 mi east of Live Oak, Fl.	19.0		06-01-95 11-07-95 06-05-96	Dry Dry No Flow
121	02315532	Rocky Creek near Houston, Fl.	Lat 30°18'56", long 82°50'42", in NW ¹ / ₄ sec. 17, T. 2 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at bridge on State Highway 136, 2.5 mi upstream from mouth, and 5.3 mi northeast of Houston, Fl.	25.3	1965 1967 1979-83 1989-90	09-26-90 06-01-95 11-08-95 06-05-96	Dry Dry Dry Dry

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
SUWANNEE COUNTY--Continued							
122	02315534	Rocky Creek tributary near Wellborn, Fl.	Lat 30°19'00", long 82°49'49", in SW ¹ / ₄ sec. 16, T. 2 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at culvert on State Highway 136, 0.5 mi west of State Highway 137, 1.4 mi west of I-75, and 4.2 mi west of White Springs, Fl.	1.15		06-01-95 11-08-95 06-05-96	Dry Dry Dry
123	02315600	Suwannee Springs near Live Oak, Fl.	Lat 30°23'39", long 82°56'04", in SE ¹ / ₄ sec. 17, T. 1 S., R. 14 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River at town of Suwannee Springs, 0.1 mi up-stream from U. S. Highway 129 bridge, and 7.4 mi north of Live Oak, Fl.	Indeterminate	1906 1932 1946 1956 1961-70 1974 1978	07-26-95	7.99
124	02319900	Charles Spring near Dell, Fl.	Lat 30°10'02", long 83°13'50", in NW ¹ / ₄ sec. 4, T. 4 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River, and 2.2 mi north of Dell, Fl.	Indeterminate	1942 1956 1961 1974 1977	07-25-95 11-29-95	7.48 0.82
125	02320000	Suwannee River at Luraville, Fl.	Lat 30°05'59", long 83°10'18", in NE ¹ / ₄ sec. 36, T. 4 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, at bridge on State Highway 51, 1.6 mi south of Luraville, and 97 mi upstream from mouth.	7,330	1927-32 1950-72 1956 1976-82	08-23-90	1,350
126	02320003	Telford Springs at Luraville, Fl.	Lat 30°06'24", long 83°09'57", in SE ¹ / ₄ sec. 25, T. 4 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River, 1.0 mi south of Luraville, and 10.4 mi southeast of Dowling Park, Fl.	Indeterminate	1942 1961 1985 1990-91	07-26-95 11-29-95	33.4 28.8
127	02320060	Running Springs (West) near Luraville, Fl.	Lat 30°06'15", long 83°06'59", in SE ¹ / ₄ sec. 28, T. 4 S., R. 12 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River, 2.8 mi southeast of Luraville, 4.5 mi northwest of Mayo, and 93 mi upstream from the mouth of the Suwannee River.	Indeterminate	1974 1977	07-26-95 11-29-95	17.2 14.4
128	02320130	Royal Spring near Alton, Fl.	Lat 30°05'01", long 83°04'30", in NW ¹ / ₄ sec. 1, T. 5 S., R. 12 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River, 4.2 mi northeast of Alton, 6.2 mi northeast of Mayo, and 89 mi upstream from the mouth of the Suwannee River.	Indeterminate	1977	07-26-95	1.63
129	02320290	Little River near Wellborn, Fl.	Lat 30°10'00", long 82°52'15", in SW ¹ / ₄ sec. 1, T. 4 S., R. 14 E., Suwannee County, Hydrologic Unit 03110205, at bridge on State Road 252, 2.6 mi west of County Road 137, and 5.1 mi southwest of Wellborn, Fl.	20A		06-01-95 11-08-95 06-05-96	Dry Dry Dry
130	02320292	Little River near McAlpin, Fl.	Lat 30°08'47", long 82°53'14", in NW ¹ / ₄ sec. 14, T. 4 S., R. 14 E., Suwannee County, Hydrologic Unit 03110205, at bridge on County Road 49, 1.4 mi south of State Highway 252, and 3.9 mi east of McAlpin, Fl.	29A		06-01-95 11-08-95 06-05-96	No Flow No Flow No Flow

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
SUWANNEE COUNTY--Continued							
131	02320295	Little River at 180th Street near McAlpin, FL.	Lat 30°07'22", long 82°53'05", in SE ¹ / ₄ sec. 22, T. 4 S., R. 14 E., Suwannee County, Hydrologic Unit 03110205, at culvert on 180th Street, 1.3 mi west of County Road 49, 2.9 mi east of U. S. Highway 129, and 3.3 mi southeast of McAlpin, FL.	36A		06-01-95 11-08-95 06-05-96	Dry Dry Dry
132	02320299	Little River at 192nd Street near McAlpin, FL.	Lat 30°06'06", long 82°54'22", in SW ¹ / ₄ sec. 27, T. 4 S., R. 14 E., Suwannee County, Hydrologic Unit 03110201, at culvert on 192nd Street, 1.6 mi west of County Road 49, 2.5 mi east of U. S. Highway 129, and 3.6 mi southeast of McAlpin, FL.	45A		06-01-95 11-08-95 06-05-96	No Flow No Flow Dry
133	02320400	Little River Spring near Branford, FL.	Lat 29°59'47", long 82°57'59", in NE ¹ / ₄ sec. 1, T. 6 S., R. 13 E., Suwannee County, Hydrologic Unit 03110205, on left bank of the Suwannee River, 3.2 southwest of O'Brien, 3.4 mi northwest of Branford, and 79 mi upstream from the mouth of the Suwannee River.	Indeterminate	1974 1977 1993	07-27-95 11-30-95	66.9 49.2
134	02322700	Ichetucknee Springs near Hildreth, FL.	Lat 29°57'09", long 82°47'10", in NW ¹ / ₄ sec. 23, T. 6 S., R. 15 E., Suwannee County, Hydrologic Unit 03110206, at bridge on U. S. Highway 27, 1.0 mi east of Hildreth, 1.5 mi upstream from mouth, and 3.0 mi downstream from head of springs.	Indeterminate	1917 1929-83 1989 1991	07-30-95 11-30-95	298 276
135	302626083 030000	Suwannee River above Alapaha Rise near Jasper, FL.	Lat 30°26'26", long 83°05'00", in SE ¹ / ₄ sec. 35, T. 1 N., R. 12 E., Hamilton-Suwannee Counties, Hydrologic Unit 03110201, 1800 ft north of Base Line, 0.6 mi upstream from Alapaha Rise outlet, and 9.8 mi southwest of Jasper.	Not Determined	1977	08-22-90	197
136	302547083 043700	Suwannee River near Ellaville, FL.	Lat 30°25'47", long 83°04'37", in NW ¹ / ₄ sec. 1, T. 1 S., R. 12 E., Hamilton-Suwannee Counties, Hydrologic Unit 03110201, 6.4 mi northeast of Ellaville, and 8.6 mi northwest of Suwannee Springs.	Not Determined	1977-79	08-22-90	576
137	302132083 113800	Suwannee River at I-10 near Ellaville, FL.	Lat 30°21'32", long 83°11'38", in NW ¹ / ₄ sec. 35, T. 1 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, on upstream side of westbound bridge at Interstate Highway I-10, 1.1 mi north of Shady Grove Church, 1.8 mi southwest of Ellaville, and 3.7 mi west of Falmouth.	Not Determined		08-29-90	1,210
TAYLOR COUNTY							
138	02324032	Steinhatchee River near Steinhatchee, FL.	Lat 29°44'46", long 83°20'24", in NE ¹ / ₄ sec. 32, T. 8 S., R. 10 E., Taylor County, Hydrologic Unit 03110102, at falls, 0.7 mi east of State Highway 51, 6.2 mi north of Steinhatchee, and 9.8 mi upstream from mouth.	373A	1988-89	06-01-95 11-07-95 06-03-96	62.3 42.4 57.8
139	02324130	Rocky Creek near Steinhatchee, FL.	Lat 29°44'44", long 83°21'19", in NE ¹ / ₄ sec. 31, T. 8 S., R. 10 E., Taylor County, Hydrologic Unit 03110202, at bridge on State Highway 51, 0.6 mi upstream from mouth, and 6.0 mi north of Steinhatchee, FL.	65A	1988-89	06-01-95 06-03-96	Dry <0.01
140	02324155	Boggy Creek near Steinhatchee, FL.	Lat 29°43'59", long 83°21'33", in NE ¹ / ₄ sec. 6, T. 9 S., R. 10 E., Taylor County, Hydrologic Unit 03110202, at bridge on State Highway 51, 0.7 mi upstream from mouth, and 5.1 mi north of Steinhatchee, FL.	34A	1988-89	06-01-95 06-03-96	No Flow No Flow

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
TAYLOR COUNTY--Continued							
141	02324474	Fenholloway River at County Road at Fenholloway, Fl.	Lat 30°04'35", long 83°29'47", in SE ¹ / ₄ sec. 2, T. 5 S., R. 8 E., Taylor County, Hydrologic Unit 03110102, at bridge on county road, 0.1 mi southeast of Fenholloway, Fl.	Indeterminate	1955-56 1966-67 1989	11-07-95 06-05-96	Dry Dry
142	02325495	Spring Creek at Hampton Springs, Fl.	Lat 30°05'02", long 83°39'51", in SW ¹ / ₄ sec. 31, T. 4 S., R. 7 E., Taylor County, Hydrologic Unit 03110102, at bridge on U. S. Highway 98, 0.5 mi west of Hampton Springs, 0.9 mi from mouth, and 4.9 mi southwest of Perry, Fl. Previous station located 0.3 mi downstream, Spring Creek near Perry, Fl. (02325500).	85A	1964-67 1980 1992-93	11-07-95 06-05-96	36.0 53.2
143	02325950	Econfina River near Eridu, Fl.	Lat 30°15'03", long 83°42'04", in SW ¹ / ₄ sec. 2, T. 3 S., R. 6 E., Taylor County, Hydrologic Unit 03110103, at bridge on U. S. Highway 27, and 4.4 mi southeast of Eridu, Fl.	158	1965-67 1989-91	09-11-90 11-07-95 06-05-96	1.02 2.99 11.6
144	300631083 374500	Woods Creek at Mouth near Perry, Fl.	Lat 30°06'31", long 83°37'45", in NE ¹ / ₄ sec. 28, T. 4 S., R. 7 E., Taylor County, Hydrologic Unit 03110102, 20 ft above mouth, 50 ft west of bridge over Spring Creek on County Road 359-B, 0.8 mi north of U. S. Highway 98, and 3.9 mi west of Perry, Fl.	Indeterminate	1980	11-07-95 06-05-96	1.83 2.02
UNION COUNTY							
145	02320900	New River near Raiford, Fl.	Lat 30°04'00", long 82°11'03", in NE ¹ / ₄ sec. 15, T. 5 S., R. 21 E., Union County, Hydrologic Unit 03110206, on downstream side of concrete bridge on State Highway 16, 0.5 mi southeast of Florida State Prison, 3.3 mi east of Raiford, 9.5 mi northwest of Starke and 22 mi upstream from mouth.	88.1	1958 1960 1965 1967 1975-76	09-27-90	0.06
146	02320920	Turkey Creek at Raiford, Fl.	Lat 30°04'03", long 82°13'44", in NW ¹ / ₄ sec. 14, T. 2 S., R. 30 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 121, 0.5 mi east of Raiford, and 2 mi west of Raiford State Prison.	23.8		05-31-95 11-21-95 06-04-96	0.14 5.57 0.29
147	02321195	Richard Creek at State Highway 121 near Lake Butler, Fl.	Lat 30°02'48", long 82°17'52", in NW ¹ / ₄ sec. 22, T. 5 S., R. 20 E., Union County, Hydrologic Unit 03110201, at bridge on State Highway 121, 2.1 mi northeast of junction of State Highway 100, and 2.7 mi northeast of Lake Butler, Fl.	9.70		05-31-95 11-21-95 06-04-96	No Flow 1.69 No Flow
148	02321200	Richard Creek near Lake Butler, Fl.	Lat 30°01'10", long 82°18'59", in NE ¹ / ₄ sec. 32, T. 5 S., R. 20 E., Union County, Hydrologic Unit 03110206, at culvert on State Highway 100, 1.7 mi east of Lake Butler, and 4.9 mi upstream from mouth.	13.9	1957-60 1965 1967 1976 1989-90 1992	09-27-90 05-31-95 11-21-95 06-04-96	No Flow No Flow 2.32 No Flow
149	02321446	Fivemile Creek near Dukes, Fl.	Lat 29°58'05", long 82°22'49", in NE ¹ / ₄ sec. 14, T. 6 S., R. 19 E., Union County, Hydrologic Unit 03110206, at culvert on State Highway 239A, and 1.6 mi east of Dukes, Fl.	11.8	1967	06-01-95 11-07-95 06-03-96	No Flow No Flow No Flow

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
UNION COUNTY--Continued							
150	02321450	Fivemile Creek near Worthington Springs, Fl.	Lat 29°57'23", long 82°22'34", in NE ¹ / ₄ sec. 23, T. 6 S., R. 19 E., Union County, Hydrologic Unit 03110206, at culvert on Dana Dixie Road, 0.6 mi east of State Highway 18A, 2.0 mi southeast of Dukes, and 3.2 mi northeast of Worthington Springs, Fl.	13.8	1976-77	06-01-95 11-07-95 06-03-96	No Flow 0.05 No Flow
151	02321520	Fern Creek tributary near Worthington Springs, Fl.	Lat 29°58'05", long 82°27'15", in NW ¹ / ₄ sec. 18, T. 6 S., R. 19 E., Union County, Hydrologic Unit 03110206, at culvert on County Road 239, 0.8 mi east of County Road 239A, 0.9 mi upstream from mouth, and 3.2 mi northwest of Worthington Springs, Fl.	5.67		06-01-95 11-07-95 06-03-96	0.08 0.38 0.12
152	02321525	Fern Creek near Worthington Springs, Fl.	Lat 29°56'45", long 82°27'19", in NW ¹ / ₄ sec. 30, T. 6 S., R. 19 E., Union County, Hydrologic Unit 03110206, at culvert on County Road 18, 2.2 mi northwest of Worthington Springs, 3 mi downstream of Fern Pond, and 4.2 mi upstream from mouth.	13.6	1976	06-01-95 11-06-95 06-03-96	Dry 0.30 0.04
153	02321542	Unnamed tributary to Santa Fe River near Providence, Fl.	Lat 29°56'59", long 82°30'12", in SW ¹ / ₄ sec. 22, T. 6 S., R. 18 E., Union County, Hydrologic Unit 03110206, at culvert on County Road 18, 0.5 mi upstream from mouth, 4.3 mi southeast of Providence and 4.8 mi northwest of Worthington Springs, Fl.	4.44		06-01-95 11-06-95 06-03-96	Dry Dry Dry
154	02321692	Swift Creek at County Road 231 near Lake Butler, Fl.	Lat 30°04'56", long 82°21'39", in SE ¹ / ₄ sec. 1, T. 5 S., R. 19 E., Union County, Hydrologic Unit 03110206, at bridge on County Road 231, 3.0 mi southeast of Palestine Lake, and 4.2 mi north of Lake Butler, Fl.	26.0	1976-77	05-31-95 11-21-95 06-04-96	No Flow 5.36 No Flow
155	02321700	Swift Creek near Lake Butler, Fl.	Lat 30°03'28", long 82°25'10", in NW ¹ / ₄ sec. 16, T. 5 S., R. 19 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 100, 5.0 mi northwest of Lake Butler, and 8.1 mi upstream from mouth.	46.0	1956-78 1989 1992	06-01-95 11-21-95 06-04-96	Dry 10.3 Dry
156	02321730	Swift Creek near Lulu, Fl.	Lat 30°02'20", long 82°28'03", in NE ¹ / ₄ sec. 24, T. 5 S., R. 18 E., Union County, Hydrologic Unit 03110206, at culvert on State Highway 239, 2.1 mi north of the intersection with State Highway 238, 4.6 mi upstream from mouth, and 5.0 mi south of State Highway 100 at Lulu, Fl.	63.3		06-01-95 11-06-95 06-03-96	Dry 1.74 Dry
157	02321768	Swift Creek near Providence, Fl.	Lat 30°02'04", long 82°31'31", in SW ¹ / ₄ sec. 21, T. 5 S., R. 18 E., Union County, Hydrologic Unit 03110206, at bridge on County Road 241, 0.6 mi upstream from mouth, 2.3 mi north of junction with State Highway 238, and 2.5 mi northeast of Providence, Fl.	78.7	1976 1992	06-01-95 11-06-95 06-03-96	No Flow 1.90 No Flow
158	02321896	Olustee Creek near Mikesville, Fl.	Lat 29°57'01", long 82°31'50", in SE ¹ / ₄ sec. 20, T. 6 S., R. 18 E., Union County, Hydrologic Unit 03110206, at bridge on County Road 18, 0.7 mi upstream from mouth, 3.3 mi south of Providence, and 4.3 mi east of Mikesville, Fl.	186	1976-77 1991	06-01-95 11-06-95 06-03-96	No Flow No Flow No Flow
159	300612082 094000	New River at Highway 125 near Raiford, Fl.	Lat 30°06'12", long 82°09'40", in SW ¹ / ₄ sec. 36, T. 4 S., R. 21 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 125, 0.6 mi south of junction at State Highways 125 and 199, and 4.5 mi northeast of Raiford.	79.0	1976-77 1980	08-23-90 09-27-90	No Flow No Flow

Map No.	Station No.	Station Name	Location	Drainage area (mi ²)	Other water years measured	Measurements	
						Date	Discharge (ft ³ /s)
UNION COUNTY--Continued							
160	295700082 204300	New River near Brooker, Fl.	Lat 29°57'00", long 82°20'43", in SW ¹ / ₄ sec. 19, T. 6 S., R. 20 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 231, 3.0 mi south of State Division of Corrections Medical Center, and 4.2 mi north of Brooker.	241	1976-77	09-27-90	1.70
161	295535082 244000	New River near Wor- thington Springs, Fl.	Lat 29°55'35", long 82°24'40", in NE ¹ / ₄ sec. 33, T. 6 S., R. 19 E., Union County, Hydrologic Unit 03110206, at bridge on State Highway 18, 0.8 mi southeast of Worthington, Springs.	276	1976-77	08-23-90 09-27-90	5.12 1.29

A-approximately

B-total combined flow of three Kettle Creek sites 100 mi² approximately