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# Surface Water Supply of the United States 1961-65

## Part 2. South Atlantic Slope and Eastern Gulf of Mexico Basins

Volume 2. Basins From Ogeechee River to Carrabelle River

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GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1905

*Prepared in cooperation with the States  
of Florida and Georgia and with other  
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**UNITED STATES DEPARTMENT OF THE INTERIOR**

**WALTER J. HICKEL, *Secretary***

**GEOLOGICAL SURVEY**

**William T. Pecora, *Director***

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## PREFACE

This report was prepared by the U.S. Geological Survey in co-operation with the States of Florida and Georgia and with other agencies, by personnel of the Water Resources Division, E. L. Hendricks, chief hydrologist, G. W. Whetstone, assistant chief for Reports and Data Processing, under the general direction of G. A. Billingsley, chief, Reports Section, and B. A. Anderson, chief, Data Reports Unit.

The data were collected and computed under supervision of district chiefs, Water Resources Division, as follows:

A. N. Cameron.....Atlanta, Ga.  
C. S. Conover.....Tallahassee, Fla.



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SURFACE WATER SUPPLY OF THE SOUTH ATLANTIC SLOPE AND EASTERN  
GULF OF MEXICO BASINS FROM OGEECHEE RIVER TO CARRABELLE RIVER

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SCOPE OF WORK

This volume is one of a series of 37 reports presenting records of stage, discharge, and content, of streams, lakes, and reservoirs in the United States during the 1961-65 water years. Since 1888, when the U S Geological Survey first studied streamflow in relation to problems of irrigation, similar records have been obtained at more than 17,500 gaging stations in the 50 States. On September 30, 1965, the Geological Survey and cooperating organizations were maintaining 9,100 gaging stations. Partial-record stations for low flow or for floodflow have been operated at many other points. The records for the 1961-65 water years at gaging stations and partial-record stations in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Carrabelle River are given in this report.

COOPERATION

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

Florida--Division of Geology (Florida Geological Survey), Florida Board of Conservation, Division of Water Resources, Florida Board of Conservation, Florida State Road Department, Florida Trustees of the Internal Improvement Fund, Florida Board of Parks and Historic Memorials, Central and Southern Florida Flood Control District, Lake Apopka Recreation and Water Conservation Authority, Oklawaha Basin Recreation and Water Control and Conservation Authority, Peace River Valley Water Conservation and Drainage District, Southwest Florida Water Management District, Suwannee River Authority, Tsala Apopka Basin Recreation and Water Conservation Control Authority, West Orange Water Conservation Association, Winter Haven Lake Region Boat Course District, counties of Broward, Collier, Dade, Duval, Highlands, Hillsborough, Manatee, Marion, Orange, Pinellas, Polk, Sarasota, and Volusia, cities of Jacksonville, Miami, Miami Beach, Perry, Tallahassee, and Tampa.

Georgia--Department of Mines, Mining and Geology and the State Highway Department of Georgia.

Assistance in the form of funds or services was given by the Corps of Engineers, U S Army, in collecting records published herein for 19 gaging stations and by the National Park Service, U S Department of the Interior, for 12 gaging stations.

The following organizations aided in collecting records:

Florida--The Florida Power Corporation

Georgia--The Georgia Power Company

## DIVISION OF WORK

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

<u>State</u>	<u>District office</u>	<u>Address</u>
Florida <u>a/</u> . . . . .	Tallahassee, Fla 32304 . . . . .	Gunther Building, Tennessee and Woodward Streets
Georgia <u>b/</u> . . . . .	Atlanta, Ga 30309, . . . . .	900 Peachtree Street, N. E.

a/Including North Prong St. Marys River at Moniac, Ga.  
b/Except for North Prong St. Marys River at Moniac, Ga.

## DEFINITION OF TERMS AND ABBREVIATIONS

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

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied herein only to those gaging stations where a continuous record of discharge is obtained.

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimes will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

Partial-record station is a particular site where limited streamflow data are collected systematically over a period of years for use in hydrologic analyses.

Discharge is the volume of water in a stream which passes a given point in a unit of time.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

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

Runoff in inches (in.) shows the depth to which the drainage area would be covered if all the runoff a given time period were uniformly distributed on it.

Acre-foot (ac-ft) is the quantity of water required to cover an acre to the depth of 1 foot and is equivalent to 43,560 cubic feet or 325,851 gallons.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1,983,471 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

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

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

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

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

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

#### DOWNSTREAM ORDER AND STATION NUMBER

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

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

As an added means of identification, each gaging station and partial-record station has been assigned a number. Numbers have been assigned in the same downstream order as described in this report. In assigning station numbers, no distinction is made between partial-record stations and regular gaging stations, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the numbers to allow for new stations that may be established, hence the numbers are not consecutive. The complete 8-digit number for each station, such as 02-2465.00, includes the part number "02" plus a 6-digit number. In this report the nonessential zeros are not shown. For example, the complete number 02-2465.00 will appear as 2-2465, just to the left of the station name.

## EXPLANATION OF DATA

The base data collected at gaging stations consist of records of stage and measurements of discharge. In addition, observations of factors affecting the stage-discharge relation, weather records, and other information are used as needed to supplement base data in determining the daily flow. Records of stage are obtained from a water-stage recorder that gives a continuous graph of fluctuations (for digital recorders, a tape punched at 15-, 30-, or 60-minute intervals) or from direct readings on a nonrecording gage. Measurements of discharge are made with a current meter by the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in Water-Supply Paper 888 and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

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

At most gaging stations in the northern part of the United States and at some in the mountainous regions of other parts of the country the stage-discharge relation is affected by ice during the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute the daily discharge. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins.

The data in this report generally comprise a description of the station, and tables showing the daily discharge and monthly and yearly discharges of the stream. Records are published on a water year basis which begins on October 1 and ends on September 30.

The description of the station gives the location, drainage area, records available, type and history of gages, average discharge, extremes of discharge, general remarks, and notations on revisions of the previously published record. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "Location" for some stations, is that determined and used by the Corps of Engineers unless otherwise noted. Under "Records available" are given the periods for which there are published records generally equivalent to those at present site. Under "Gage" are given the type of gage currently in use and the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of records available. The reference to "datum of 1929" and adjustments of other years are to the datum and adjustments of the U S Coast and Geodetic Survey. Under "Average discharge" is given the average discharge for the number of years indicated. It is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "Extremes" are given, usually in tabular form, the maximum instantaneous discharge and gage height for the current water years (1961-65), the minimum instantaneous discharge if there is little or no regulation, the minimum daily discharge if there is extensive regulation (also the minimum instantaneous discharge if it is abnormally low), and the minimum gage height if it is also abnormally low. For stations for which peak discharges are published, all independent peaks above the selected base and the time of occurrence and corresponding gage heights are published in the first table under "Extremes." The base discharge, which is given in parentheses in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time, for example, 12 30 a m is 0030, 1 30 p m is 1330. The minimums for these stations are published in a separate table following the table of peaks. In the paragraph following the current data, the data given are for the periods of record within the calendar year dates in the heading (not necessarily those for the complete years indicated by the heading dates). Reliable information concerning major floods that have occurred outside the period of record are given in the last paragraph under "Extremes." Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the records and conditions which affect the natural flow at the gaging station is given under "Remarks."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such reports are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "Revisions (water years)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given, for instance, 1933 stands for the water year October 1, 1932, to September 30, 1933. If no daily, monthly, or annual figures of discharge are concerned in the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised, "(m)" that only the instantaneous minimum was revised, and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised

figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports

The daily table gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of the day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading. For stations equipped with non-recording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily readings, but for periods of rapidly changing stage, the discharge is determined from gage-height graph based on gage readings

In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures, it is the total cfs-days for the month. The line headed "MEAN" gives the average flow in cubic feet per second during the month. On the line headed "MAX" the figures are the maximum daily discharges for the months, not the momentary maximum discharges. Likewise, the line headed "MIN" are the minimum daily discharges for the months. Discharge for the month may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches, or if the flow is appreciably affected by regulation by upstream reservoirs.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years, likewise, the minimums are the minimum daily discharges.

Footnotes to the table of daily discharge are introduced by the word "NOTE". Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

## ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

The station description under "Remarks" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent, "good", within 10 percent, and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

In earlier reports the figures of daily mean discharge, computed manually, were usually rounded to tenths below 10 cfs, but the rounding rules were not rigid, some discharges were given to hundredths if the accuracy was sufficiently good and others were rounded to whole numbers if the accuracy was poor. In this report, however, most of the tables of daily mean discharge are tabulated by a computer which rounds the figures solely on basis of the magnitude of the discharge. Therefore, zeros to the right of the decimal point should not be construed to indicate an accuracy greater than is stated in the "Remarks" paragraph

Discharge at some stations, as indicated by the monthly mean, may vary widely from natural runoff, owing to diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

## OTHER DATA AVAILABLE

Data collected at partial-record stations are given at the end of this report. Data for partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are given in special tables following the tables of partial-record stations.

Information of a more detailed nature than that published for most of the gaging stations is on file in the district offices, such as discharge measurements, gage-height records, and rating tables. Many gaging-station records have been analyzed to give several statistical summaries, mainly (1) the number of days in each year that the daily discharge was between selected limits (duration tables), (2) the lowest mean discharge for selected numbers of consecutive days in each year, and (3) the highest mean discharge for selected numbers of consecutive days in each year.

At or near some gaging stations, water-quality records also are collected. Data are obtained on the chemical quality of the stream water, on water temperature, on suspended-sediment concentration, and on the particle-size distribution of suspended sediment and bed material. Under "Remarks" of the station description, reference is made to water-quality records collected on a regular basis for that station.

Results of the data collected are published in water-supply papers entitled "Quality of Surface Waters of the United States," and in annual reports issued by States beginning with the 1964 water year. These annual reports are entitled, "Water Resources Data for (state) Part 2, Water Quality Records " Information on the availability of electronic computer analyses, unpublished data, or quality of water records may be obtained from the district offices listed on page 2

## PUBLICATIONS

Through September 30, 1960, the records of discharge and stage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Prior to 1951, there were 14 volumes in the series, one for each of the 14 parts whose boundaries coincided with certain natural drainage lines within the conterminous United States From 1951 to 1960, there were 20 volumes in the series, including one each for the States of Alaska and Hawaii

This report marks the beginning of a new series of water-supply papers to be published on a 5-year basis This series covers the 5-year period October 1, 1960, to September 30, 1965. To meet interim requirements, streamflow and related data have been released by the Geological Survey in annual reports, beginning with the 1961 water year, by State These reports are entitled, "Water Resources Data for (state), Part 1 Surface Water Records " Distribution of these reports is limited and primarily for local needs Any revision or corrections found necessary to the records published in these annual State reports have been made and published herein without reference

This series of 5-year water supply papers consists of 37 volumes. The boundaries of the various parts and volumes within the parts are indicated in the following list and on the map in figure 1.

- Part 1 North Atlantic slope basins, in three volumes
  - Volume 1 Basins from Maine to Connecticut
  - Volume 2 Basins from New York to Delaware
  - Volume 3 Basins from Maryland to York River
- Part 2 South Atlantic slope and eastern Gulf of Mexico basins, in three volumes
  - Volume 1 Basins from James River to Savannah River
  - Volume 2 Basins from Ogeechee River to Carrabelle River
  - Volume 3 Basins from Apalachicola River to Pearl River
- Part 3 Ohio River basin, in four volumes
  - Volume 1 Ohio River basin above Kanawha River
  - Volume 2 Ohio River basin from Kanawha River to Louisville, Kentucky
  - Volume 3 Ohio River basin from Louisville, Kentucky, to Wabash River
  - Volume 4 Ohio River basin below Wabash River
- Part 4 St Lawrence River basin, in two volumes
  - Volume 1 Basins of streams tributary to Lakes Superior, Michigan, and Huron
  - Volume 2 St Lawrence River basin below Lake Huron
- Part 5 Hudson Bay and Upper Mississippi River basins, in three volumes
  - Volume 1 Hudson Bay Basin
  - Volume 2 Upper Mississippi River basin above Keokuk, Iowa
  - Volume 3 Upper Mississippi River Basin below Keokuk, Iowa
- Part 6 Missouri River basin, in four volumes
  - Volume 1 Missouri River basin above Williston, North Dakota
  - Volume 2 Missouri River basin from Williston, North Dakota, to Sioux City, Iowa
  - Volume 3 Missouri River basin from Sioux City, Iowa, to Nebraska City, Nebraska
  - Volume 4 Missouri River basin below Nebraska City, Nebraska
- Part 7 Lower Mississippi River basin, in two volumes
  - Volume 1 Lower Mississippi River basin except Arkansas River basin
  - Volume 2 Arkansas River basin
- Part 8 Western Gulf of Mexico basins, in two volumes
  - Volume 1 Basins from Mermentau River to Colorado River
  - Volume 2 Basins from Lavaca River to Rio Grande



- Part 9. Colorado River basin, in three volumes  
 Volume 1 Colorado River basin above Green River  
 Volume 2 Colorado River basin from Green River to Compact Point  
 Volume 3 Lower Colorado River basin  
 Part 10. The Great Basin  
 Part 11. Pacific Slope Basins in California, in four volumes  
 Volume 1 Basins from Tia Juana River to Santa Maria River  
 Volume 2 Basins from Arroyo Grande to Oregon State line except Central Valley  
 Volume 3 Southern Central Valley basins  
 Volume 4 Northern Central Valley basins  
 Part 12 Pacific Slope basins in Washington, in two volumes  
 Volume 1 Pacific Slope basins in Washington except Columbia River basin  
 Volume 2 Upper Columbia River basin  
 Part 13. Snake River basin  
 Part 14. Pacific Slope basins in Oregon and Lower Columbia River basin  
 Part 15. Alaska  
 Part 16. Hawaii and other Pacific areas

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

1 Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D C 20402, who will, on application, furnish lists giving prices. A list of Geological Survey publications may also be obtained by applying to the Director, Geological Survey, Washington, D. C. 20242.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the offices of the Water Resources Division of the Geological Survey. Addresses of the offices in the area covered by this report are given on page 2.

Early records of the flow of streams in the United States are published in the reports listed below. In many of these reports records for years earlier than those indicated have been included for some streams. Most of these reports are out of print, but may be available for consultation in the district offices and in public libraries

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

(A - Annual Report, B - Bulletin)

Report	Character of data	Year
10th A, pt 2	Descriptive information only.	
11th A, pt. 2	Monthly discharge and descriptive information . . . .	1844 to September 1890
12th A, pt. 2	. . . do . . . . .	1844 to June 30, 1891.
13th A, pt. 3	. . . do . . . . .	1884-92.
14th A, pt 3	Monthly discharge . . . . .	1888-93.
B 131, . . .	Descriptions, measurements, gage heights, and ratings. . . .	1893-94.
16th A, pt. 2	Descriptive information only.	
B 140 .	Descriptions, measurements, gage heights, ratings and monthly discharge.	1895.
WSP 11	Gage heights . . . . .	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge.	1895-96.
WSP 15.	Descriptions, measurements, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries above Kansas River.	1897.
WSP 16 .	Descriptions, measurements, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries above Kansas River.	1897.
19th A, pt 4	Descriptions, measurements, ratings, and monthly discharge.	1897
WSP 27	Measurements, ratings, and gage heights of streams east of the Mississippi River, and Missouri River and tributaries.	1898

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

(A - Annual Report, B - Bulletin)

Report	Character of data	Year
WSP 28	Measurements, ratings, and gage heights of streams west of the Mississippi River, except Missouri River and tributaries	1898
20th A, pt 4	Monthly discharge . . . . .	1898.
WSP 35 to 39	Descriptions, measurements, gage heights, and ratings . . . .	1899
21st A, pt 4	Monthly discharge . . . . .	1899.
WSP 47 to 52	Descriptions, measurements, gage heights, and ratings . . . .	1900
22nd A, pt 4	Monthly discharge . . . . .	1900.
WSP 65, 66	Descriptions, measurements, gage heights, and ratings . . . .	1901.
WSP 75	Monthly discharge . . . . .	1901.

Reports on surface water supply containing records from 1899 to date for drainage basins in this report are listed below. The data for any particular gaging station will, in general, be found in the reports covering the years during which the station was maintained.

Numbers of water-supply papers containing results of stream measurements in the South Atlantic slope and eastern Gulf of Mexico basins, Ogeechee River to Carrabelle River, 1899-1960

Year	WSP	Year	WSP	Year	WSP	Year	WSP	Year	WSP
1899	36	1912	322	1925	602	1937	822	1949	1142
1900	48	1913	352	1926	622	1938	852	1950	1172
1901	65,75	1914	382	1927	642	1939	872	1951	1204
1902	83	1915	402	1928	662	1940	892	1952	1234
1903	98	1916	432	1929	682	1941	922	1953	1274
1904	127	1917	452	1930	697	1942	952	1954	1334
1905	168	1918	472	1931	712	1943	972	1955	1384
1906	204	1919-20	502	1932	727	1944	1002	1956	1434
1907-8	242	1921	522	1933	742	1945	1032	1957	1504
1909	262	1922	542	1934	757	1946	1052	1958	1554
1910	282	1923	562	1935	782	1947	1082	1959	1624
1911	302	1924	582	1936	802	1948	1112	1960	1704

Records for the area covered by this report have been compiled through September 1950 and for the period October 1950 to September 1960 and published in Water-Supply Papers 1304 and 1724, respectively. These reports contain a summary of monthly and annual discharges for all previously published records as well as some records not contained in the annual series of water-supply papers. All records were re-examined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical.

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

WSP	Title
771 .	Floods in the United States, magnitude and frequency
847 . .	Maximum discharges at stream-measurement stations through September 1938.
1066 .	Floods of August 1940 in the southeastern States.
1227-D .	Summary of floods in the United States during 1951.
1320-E.	Summary of floods in the United States during 1953.

## Special reports on floods published by the Geological Survey--Continued

<u>WSP</u>	<u>Title</u>
1530	Summary of floods in the United States during 1956.
1652-C	Summary of floods in the United States during 1957
1674	Magnitude and frequency of floods in the United States
1790-B	Summary of floods in the United States during 1960
1810	Summary of floods in the United States during 1961
1820	Summary of floods in the United States during 1962
1840-C	Summary of floods in the United States during 1964

Reports giving records of chemical quality and temperature of surface water and suspended-sediment loads of streams in the area covered by this volume for the water years 1941-65 are listed below

Numbers of water-supply papers containing water-quality records  
in South Atlantic slope basins and eastern Gulf of Mexico basins,  
Ogeechee River to Carrabelle River, 1941-65

Year	WSP	Year	WSP	Year	WSP	Year	WSP	Year	WSP
1941	942	1946	1050	1951	1197	1956	1450	1961	1881
1942	950	1947	1102	1952	1250	1957	1520	1962	1941
1943	970	1948	1132	1953	1290	1958	1571	1963	1947
1944	1022	1949	1162	1954	1350	1959	1641	1964	1954
1945	1030	1950	1186	1955	1400	1960	1741	1965	1961

## RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

Records of discharge have been collected by other agencies at numerous sites throughout the United States that are not published by the Geological Survey. The Office of Water Data Coordination, Water Resources Division, U. S. Geological Survey, Washington, D. C. 20242, maintains an index of such sites. Information on records available in specific sites can be obtained upon request.

## OGEECHEE RIVER BASIN

2-2020 Ogeechee River at Scarboro, Ga

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

Drainage area --1,940 sq mi, approximately

Records available --April 1937 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 111 81 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers) Prior to Dec 18, 1941, staff gage and Dec 18, 1941, to Sept 30, 1961, graphic water-stage recorder at same site and datum

Average discharge --28 years, 1,809 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 18, 19, 1961	17,700	11 6	Oct 1, 1960	388	-
1962	Mar. 15, 1962	12,900	10 70	Sept 11, 1962	378	-
1963	Jan 27, 1963	11,900	10 51	Aug 21, 22, 1963	385	-
1964	Apr 15, 14, 1964	13,400	10 79	Oct.30,31,Nov 1,1963	489	-
1965	Jan 2, 1965	17,800	10 93	Aug 28, 1965	499	-

1937-65 Maximum discharge, 24,600 cfs Aug 17, 1940, Mar 27, 1944 (gage height, 12 8 ft), minimum daily, 120 cfs Sept 5-10, 1954

Maximum stage known since at least 1840, 17 0 ft in October 1929, from information by local residents

Flood in 1925 reached a stage of 15 9 ft, from information as explained above

Remarks --Records good

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	402	462	583	760	1,130	5,970	2,020	3,420	3,030	1,310	640	1,830
2	432	462	583	785	1,160	9,450	2,220	3,530	2,620	1,390	602	1,770
3	462	462	583	810	1,160	14,400	2,860	3,640	2,370	1,430	583	1,770
4	511	462	583	810	1,160	13,900	5,160	4,080	2,170	1,550	602	1,770
5	529	478	602	810	1,160	9,850	6,540	5,290	2,020	1,510	640	1,830
6	565	478	602	835	1,160	7,000	7,310	5,160	1,890	1,350	720	1,770
7	602	478	583	860	1,160	5,420	8,870	4,420	1,710	1,200	760	1,710
8	621	478	583	885	1,200	4,540	8,320	3,850	1,510	1,030	785	1,600
9	621	478	583	885	1,200	3,850	6,490	4,080	1,350	940	785	1,550
10	565	478	583	885	1,240	3,320	5,560	4,300	1,240	885	785	1,470
11	529	478	602	885	1,240	3,030	4,780	4,190	1,160	835	835	1,390
12	529	462	621	860	1,270	2,770	4,780	4,080	1,100	810	835	1,350
13	529	462	621	835	1,310	2,560	5,420	4,190	1,030	810	835	1,310
14	529	478	621	885	1,310	2,430	6,540	4,660	1,030	835	860	1,240
15	529	478	621	970	1,310	2,940	9,060	4,910	970	860	885	1,100
16	511	494	680	1,000	1,310	4,190	11,400	4,910	940	970	835	970
17	511	494	700	1,030	1,310	4,080	13,900	4,780	940	1,030	760	885
18	511	511	720	1,030	1,310	3,420	17,200	4,420	970	1,100	680	835
19	494	511	740	1,060	1,350	2,940	17,200	3,960	1,000	1,100	621	885
20	494	529	785	1,130	1,470	2,620	14,400	3,640	1,030	970	640	1,000
21	478	529	810	1,130	1,600	2,490	11,900	3,220	1,030	835	660	1,100
22	478	529	835	1,130	1,770	2,490	9,850	2,770	1,060	785	740	1,100
23	462	529	835	1,160	1,950	2,490	7,640	2,700	1,100	760	810	1,060
24	478	547	810	1,160	2,370	2,490	6,110	2,560	1,100	860	940	1,030
25	478	547	785	1,160	3,220	2,370	5,040	2,490	1,060	1,060	1,200	970
26	478	565	760	1,130	3,960	2,220	4,300	7,490	1,060	1,200	1,510	885
27	478	565	760	1,130	4,300	2,090	3,850	2,860	1,030	1,270	1,770	810
28	462	565	760	1,100	4,780	2,020	3,640	3,530	1,100	1,310	1,830	740
29	462	565	740	1,100	-----	1,890	3,420	3,960	1,200	1,100	1,950	680
30	447	583	740	1,100	-----	1,830	3,420	3,850	1,240	885	1,950	621
31	462	-----	740	1,100	-----	1,890	-----	3,530	-----	740	1,830	-----
TOTAL	15,639	15,137	21,154	30,410	48,870	132,950	219,400	119,470	41,060	32,720	29,878	37,031
MEAN	504	505	682	981	1,745	4,289	7,313	3,854	1,369	1,055	964	1,234
MAX	621	583	835	1,160	4,780	14,400	17,200	5,290	3,030	1,950	1,950	1,830
MIN	402	462	583	760	1,130	1,830	2,020	2,490	940	740	583	621
CFSM	-26	-26	-35	-51	-90	-21	-77	199	-71	-54	-50	-64
IN.	.30	.29	.41	.58	.94	2.55	4.21	2.29	.79	.63	.57	.71
CAL YR 1960:	TOTAL 927,971			MEAN 2,535			MAX 19,400	MIN 374	CFSM 1.31			IN 17.79
WAT YR 1961:	TOTAL 743,719			MEAN 2,038			MAX 17,200	MIN 402	CFSM 1.05			IN 14.26

## OGEECHEE RIVER BASIN

2-2020 Ogeechee River at Scarboro, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	577	397	846	1,580	3,950	8,780	4,560	2,930	691	794	607	632
2	540	399	855	1,530	3,960	8,990	4,750	3,010	660	914	611	596
3	509	407	847	1,500	3,730	8,180	5,260	2,970	739	881	576	529
4	485	426	817	1,480	3,450	7,580	6,120	2,730	763	767	508	459
5	468	440	769	1,490	3,330	7,310	6,510	2,450	782	678	467	414
6	459	420	725	1,550	3,590	7,300	6,340	2,270	798	621	432	409
7	452	395	693	1,650	3,720	7,000	6,850	2,170	805	592	425	423
8	443	388	670	1,740	3,450	6,270	7,410	2,040	928	591	434	402
9	433	391	659	1,830	3,050	5,520	6,870	1,860	1,020	620	444	394
10	427	404	660	1,940	2,720	5,000	6,160	1,680	986	642	446	391
11	424	422	675	2,090	2,450	5,050	5,690	1,520	909	641	431	382
12	422	440	713	2,300	2,240	5,840	5,920	1,410	880	635	413	388
13	420	455	838	3,340	2,100	7,220	6,970	1,320	900	630	424	401
14	419	467	938	6,850	1,990	10,300	9,730	1,250	996	625	448	406
15	411	477	1,090	6,830	1,910	12,700	11,400	1,180	1,080	618	462	410
16	402	489	1,270	5,470	1,860	12,200	10,400	1,130	1,100	608	463	426
17	396	501	1,430	4,340	1,820	11,100	8,950	1,100	1,090	596	473	460
18	394	516	1,570	3,550	1,790	10,700	8,530	1,060	1,070	572	461	416
19	394	533	1,720	3,080	1,900	9,400	8,290	1,030	1,080	561	462	525
20	396	544	1,860	2,790	2,050	7,660	7,180	1,010	1,100	542	484	543
21	397	549	2,020	2,610	2,180	6,400	5,960	986	1,130	539	514	592
22	393	551	2,240	2,510	2,330	5,700	5,040	953	1,130	540	574	668
23	389	570	2,500	2,440	2,510	5,180	4,350	907	1,060	540	610	757
24	386	610	2,700	2,410	2,870	4,890	3,840	857	907	546	622	857
25	387	628	2,720	2,420	2,970	4,760	3,410	808	784	580	610	926
26	392	645	2,580	2,420	3,250	4,710	3,110	764	758	623	614	938
27	396	676	2,360	2,740	3,710	4,610	2,920	721	737	644	623	923
28	398	722	2,150	2,740	5,770	4,500	2,780	687	696	619	635	828
29	397	771	1,960	3,220	-----	4,470	2,810	707	671	553	656	780
30	398	818	1,810	3,660	-----	4,560	2,880	727	687	540	666	856
31	396	-----	1,660	3,870	-----	4,520	-----	700	-----	578	654	-----
TOTAL	13,200	15,451	44,345	87,700	80,560	218,400	180,990	44,937	26,897	19,450	16,249	17,231
MEAN	426	515	1,430	2,829	2,677	7,045	6,033	1,450	897	627	524	543
MAX	818	888	2,720	6,850	12,700	12,700	11,400	1,130	1,100	914	646	938
MIN	386	388	659	1,480	1,790	4,470	2,780	687	651	539	413	382
CFSM	.22	.27	.74	1.46	1.48	3.63	3.11	.75	.46	.32	.27	.30
IN-	.25	.30	.85	1.68	1.54	4.19	3.47	.86	.52	.37	.31	.33

GAL YR 1961: TOTAL 763,785 MEAN 2,829 MAX 12,700 MIN 382 CFSM 1.08 IN 12.89  
 GAL YR 1962: TOTAL 763,410 MEAN 2,829 MAX 12,700 MIN 382 CFSM 1.08 IN 12.89

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,030	838	1,520	1,440	4,910	4,140	2,220	982	1,120	5,010	1,950	422
2	1,250	795	1,570	1,470	4,840	4,120	2,160	1,040	4,800	4,000	2,010	432
3	1,500	765	1,550	1,660	4,190	3,820	2,100	1,130	997	4,300	1,970	444
4	2,040	749	1,550	1,730	4,080	3,580	2,010	1,200	1,030	3,780	1,870	454
5	4,110	737	1,520	1,800	4,080	3,360	1,920	1,310	1,100	3,220	1,740	462
6	3,710	722	1,470	1,800	4,080	3,220	1,840	1,400	1,280	2,700	1,630	468
7	2,450	715	1,390	1,840	4,190	3,090	1,820	1,350	1,340	2,540	1,480	474
8	2,340	709	1,340	1,800	4,190	2,940	1,790	1,800	1,700	2,100	1,320	476
9	2,770	763	1,320	1,800	4,080	2,810	1,790	2,570	1,620	2,160	1,130	460
10	3,320	846	1,310	1,800	3,850	2,700	1,760	2,780	1,390	2,370	959	466
11	3,440	932	1,300	1,730	3,740	2,620	1,720	2,370	1,100	2,330	800	488
12	3,140	999	1,260	1,660	3,740	2,550	1,730	1,990	862	2,290	694	497
13	2,730	1,040	1,220	1,600	3,740	2,550	1,790	1,650	711	2,180	620	480
14	2,400	1,090	1,200	1,540	3,740	2,650	1,810	1,430	630	2,000	564	454
15	2,170	1,140	1,180	1,540	3,740	2,840	1,870	1,310	580	1,860	524	497
16	1,990	1,160	1,160	1,540	4,080	3,090	1,910	1,240	544	1,820	498	548
17	1,800	1,160	1,160	1,490	4,080	3,180	1,900	1,200	531	1,940	470	610
18	1,590	1,160	1,120	1,540	3,850	3,120	1,820	1,180	585	2,120	445	674
19	1,400	1,170	1,090	1,660	3,850	3,090	1,700	1,190	697	2,280	424	725
20	1,230	1,200	1,060	1,940	3,880	4,730	1,540	1,200	809	2,190	407	746
21	1,100	1,230	1,030	2,620	4,180	6,190	1,390	1,200	1,130	1,910	399	751
22	1,050	1,310	1,030	3,530	4,220	5,550	1,260	1,190	1,490	1,600	396	785
23	1,030	1,380	1,060	4,300	3,990	4,600	1,160	1,200	1,840	1,410	409	828
24	1,020	1,430	1,060	5,420	3,880	3,880	1,090	1,160	2,290	1,350	408	819
25	1,010	1,460	1,060	6,400	3,850	3,370	1,030	1,100	2,600	1,370	399	764
26	997	1,480	1,090	8,870	3,810	3,030	989	1,020	3,530	1,370	415	670
27	996	1,510	1,090	11,600	3,790	2,810	948	953	3,830	1,460	437	584
28	989	1,540	1,090	11,000	3,940	2,660	911	958	4,020	1,570	451	536
29	963	1,540	1,090	8,500	-----	2,510	884	989	4,530	1,600	436	639
30	928	1,520	1,200	6,900	-----	2,380	896	1,030	4,810	1,630	425	802
31	886	-----	1,360	5,560	-----	2,280	-----	1,110	-----	1,770	418	-----
TOTAL	57,379	33,090	38,410	107,900	112,170	103,410	47,778	42,372	50,136	70,810	26,098	17,455
MEAN	1,851	1,103	1,239	3,481	4,006	3,336	1,593	1,367	1,671	2,284	842	582
MAX	4,110	1,540	1,590	11,600	4,910	6,190	2,220	2,780	4,810	5,010	2,010	828
MIN	806	709	1,030	1,460	3,740	2,280	1,030	953	531	1,350	396	422
CFSM	.95	.57	.64	1.79	2.06	1.72	.82	.70	.86	1.18	.43	.30
IN-	1.10	.63	.74	2.07	2.15	1.98	.92	.81	.96	1.36	.50	.33

GAL YR 1962: TOTAL 921,293 MEAN 2,829 MAX 12,700 MIN 382 CFSM 1.08 IN 13.39  
 GAL YR 1963: TOTAL 707,008 MEAN 2,829 MAX 12,700 MIN 382 CFSM 1.08 IN 13.39

2-2020 Ogeechee River at Scarboro, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,040	490	1,100	1,910	8,090	7,010	4,260	3,820	1,090	806	4,690	10,800
2	1,280	497	1,210	1,920	8,060	6,780	6,130	4,460	1,040	865	4,720	8,200
3	1,340	495	1,290	1,970	7,130	7,160	6,100	5,620	980	970	5,470	6,000
4	1,300	497	1,310	2,040	6,220	8,020	5,200	6,800	923	991	5,020	4,810
5	1,290	505	1,330	2,070	5,500	8,940	4,440	8,680	879	978	3,900	3,900
6	1,330	525	1,340	2,070	5,040	9,340	3,930	9,590	856	905	3,140	3,380
7	1,430	536	1,330	2,080	4,700	8,800	3,720	9,380	866	811	2,420	3,060
8	1,500	546	1,320	2,090	4,620	8,090	3,770	11,000	921	772	2,250	2,800
9	1,500	563	1,310	2,380	4,630	8,360	4,320	12,300	1,030	806	1,830	2,440
10	1,460	593	1,290	3,180	4,670	8,580	5,380	10,200	1,130	916	1,680	2,290
11	1,350	627	1,240	4,390	4,670	7,780	7,060	7,460	1,160	952	1,600	2,680
12	1,170	653	1,200	5,830	4,540	6,940	9,450	5,720	1,160	946	1,630	3,170
13	965	668	1,180	7,020	4,380	6,290	12,700	4,620	1,100	957	1,740	4,810
14	798	672	1,220	7,610	4,330	5,680	12,700	1,850	1,030	968	1,690	6,040
15	700	673	1,310	8,000	4,300	5,200	10,100	3,250	948	923	1,740	6,720
16	640	664	1,440	9,110	4,420	5,030	7,680	2,800	876	870	1,720	6,720
17	606	655	1,610	9,340	4,550	5,160	6,290	2,470	858	868	1,710	5,880
18	585	636	1,730	6,230	5,230	5,420	5,430	2,230	880	1,060	1,810	5,050
19	566	610	1,790	7,270	5,360	5,360	4,830	2,040	893	1,430	2,210	4,360
20	556	607	1,840	7,120	8,550	5,150	4,330	1,870	878	1,990	2,280	4,050
21	548	601	1,890	7,570	9,700	6,160	3,950	1,740	823	2,300	2,040	3,850
22	537	599	1,950	8,180	9,670	9,290	3,640	1,650	735	2,470	1,750	3,620
23	522	602	2,060	8,080	8,850	8,520	3,390	1,530	657	2,700	1,820	3,280
24	508	618	2,260	7,580	8,250	6,750	3,110	1,470	623	2,900	1,680	2,940
25	501	630	2,460	7,130	8,300	5,530	2,810	1,440	669	3,200	1,540	2,560
26	499	642	2,540	7,020	8,080	4,920	2,590	1,380	685	3,700	1,510	2,190
27	501	721	2,440	7,350	7,480	4,580	2,460	1,320	714	4,800	1,420	1,840
28	499	801	2,250	7,730	7,230	4,440	2,550	1,280	755	5,500	1,310	1,510
29	495	908	2,090	7,800	7,160	4,310	2,840	1,240	783	6,280	1,570	1,380
30	489	1,010	1,970	7,250	6,180	4,180	3,370	1,180	797	5,740	1,120	1,290
31	489	1,910	6,940	4,000	1,140	1,140	1,140	1,140	4,990	11,500	---	---
TOTAL	26,944	18,844	51,210	178,260	185,220	201,770	158,585	133,510	26,739	64,234	85,710	121,620
MEAN	871	628	1,652	5,750	6,387	6,509	5,285	4,307	891	2,076	2,765	4,054
MAX	1,500	1,610	2,540	9,340	9,700	9,340	12,700	12,300	1,160	6,280	11,500	10,800
MIN	489	489	1,100	1,910	4,300	4,000	2,460	1,140	623	772	1,10	1,290
CFSM	.45	.32	.85	2.96	3.29	3.36	2.72	2.22	.46	1.07	1.43	2.09
IN.	.52	.36	.98	3.42	3.55	3.87	3.04	2.56	.51	1.23	1.64	2.33
CAL YR 1963: TOTAL	675	177	MEAN 1,850	MAX 11,600	MIN 396	CFSM .95	IN 12.94					
WAT YR 1964: TOTAL	1,252	791	MEAN 3,423	MAX 12,700	MIN 489	CFSM 1.76	IN 24.02					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,230	2,380	1,860	15,400	2,980	6,200	11,400	2,600	862	1,020	886	586
2	1,360	2,240	1,880	17,400	2,940	5,770	11,300	2,600	808	951	975	651
3	2,300	4,120	1,890	14,200	2,880	5,800	11,200	2,600	748	913	1,170	695
4	2,980	2,020	2,090	10,600	2,790	6,280	10,400	2,500	703	880	1,330	684
5	3,340	1,940	2,490	7,600	2,860	6,840	9,200	2,400	684	848	1,330	655
6	4,080	1,840	2,940	5,880	2,480	6,880	8,050	2,200	665	820	1,290	629
7	4,630	1,790	3,220	2,560	2,560	6,360	7,250	2,000	803	803	1,270	615
8	4,690	1,620	3,220	4,420	2,690	5,770	6,680	1,800	634	853	1,250	601
9	4,360	1,600	3,080	3,980	2,870	5,350	6,200	1,700	667	934	1,190	584
10	4,020	1,560	2,870	3,660	3,020	5,020	5,680	1,500	690	951	1,100	574
11	3,850	1,530	2,640	3,460	3,240	4,750	5,230	1,400	743	951	1,060	572
12	4,540	1,500	2,450	3,280	3,460	4,600	4,810	1,340	833	1,000	1,120	566
13	6,480	1,480	2,430	3,080	3,740	4,720	4,360	1,250	916	1,310	1,310	588
14	6,200	1,460	2,450	2,920	4,280	4,900	3,980	1,190	1,090	1,610	1,420	605
15	5,590	1,440	2,510	2,780	5,230	5,020	3,660	1,130	1,390	1,840	1,380	638
16	6,360	1,420	2,510	2,680	6,480	5,050	3,400	1,070	1,840	1,870	1,270	675
17	8,350	1,410	2,450	2,570	9,000	4,900	3,160	1,010	2,060	1,720	1,110	688
18	9,700	1,410	2,390	2,450	12,300	4,930	2,940	975	2,180	1,550	981	676
19	9,650	1,410	2,300	2,400	14,200	5,110	2,810	928	2,240	1,460	877	665
20	8,150	1,420	2,220	2,360	15,300	5,650	2,840	886	2,180	1,430	802	657
21	6,840	1,430	2,150	2,310	14,600	6,760	2,860	892	2,160	1,380	762	636
22	5,960	1,490	2,140	2,260	12,800	8,000	2,810	838	2,260	1,270	712	649
23	5,470	1,570	2,150	2,210	11,400	8,700	2,780	805	2,360	1,150	660	674
24	5,020	1,780	2,120	2,310	10,600	10,800	2,760	783	2,340	1,040	619	692
25	4,600	1,910	2,110	2,640	10,200	12,300	2,820	770	2,250	951	586	718
26	4,120	1,950	2,280	2,990	9,200	12,500	3,260	760	2,190	880	555	720
27	3,740	1,920	2,570	3,240	7,850	12,600	3,170	765	1,980	815	530	707
28	3,380	1,860	2,870	3,320	6,840	12,000	2,980	795	1,620	805	512	692
29	3,060	1,820	3,280	3,320	---	11,100	2,400	843	1,380	805	500	686
30	2,810	1,840	4,600	3,170	---	11,400	2,400	886	1,170	830	511	702
31	2,580	---	8,650	3,060	---	11,800	---	889	---	856	538	---
TOTAL	149,140	51,180	84,810	146,970	188,610	227,860	152,790	42,105	42,289	34,496	29,606	19,480
MEAN	4,811	1,706	2,736	4,741	6,736	7,350	5,093	1,358	1,410	1,113	955	649
MAX	9,700	2,380	8,650	17,400	15,700	12,600	11,400	2,600	2,340	1,870	1,420	720
MIN	1,230	1,410	1,860	2,210	2,480	4,600	2,400	760	634	803	500	566
CFSM	2.48	.88	1.41	2.44	3.47	3.79	2.63	.70	.57	.47	.49	.33
IN.	2.86	.98	1.63	2.82	3.62	4.37	2.93	.81	.81	.66	.57	.37
CAL YR 1964: TOTAL	1,440	873	MEAN 3,927	MAX 19,400	MIN 523	CFSM 2.02	IN 22.42					
WAT YR 1965: TOTAL	1,169	356	MEAN 3,234	MAX 19,400	MIN 523	CFSM 1.76	IN 22.42					

## 2-2025 Ogeechee River near Eden, Ga

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

Drainage area --2,650 sq mi, approximately

Records available --April 1937 to September 1965

Gage --Digital water-stage recorder. Datum of gage is 19.64 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Corps of Engineers). Prior to Oct 1, 1939, staff gage and Oct 1, 1939, to Sept 3, 1961, graphic water-stage recorder at same site and datum

Average discharge --28 years, 2,386 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 22, 1961	21,200	13.4	Nov 7, 8, 1960	452	-
1962	Mar 19, 20, 1962	15,900	12.12	Nov 12, 1961	368	-
1963	Feb 1, 1963	15,000	11.53	Sept 4, 5, 6, 1963	455	-
1964	Apr 18, 1964	14,600	11.86	Nov 1, 1963	490	-
1965	Feb 23, 1965	17,800	12.41	Sept 15, 1965	562	-

1937-65 Maximum discharge, 26,300 cfs Mar 31, 1944 (gage height, 14.7 ft), minimum observed, 131 cfs Sept 12-14, 1954

Maximum stage known since at least 1840, 20 ft in October 1929, from data furnished by Central of Georgia Railway Co.

Flood of January 1925, reached a stage of 19.5 ft, from information as explained above

Flood of April 1936, reached a stage of 15.2 ft, from information as explained above (discharge, 30,000 cfs)

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

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	512	476	560	752	1,280	3,560	3,200	5,900	3,920	1,250	1,070	2,980
2	524	464	560	752	1,250	4,040	2,980	5,360	4,180	1,250	1,100	2,880
3	500	476	548	776	1,220	4,640	2,880	5,000	4,480	1,300	1,040	2,880
4	488	476	548	776	1,190	5,360	2,780	4,640	4,480	1,400	900	2,980
5	488	476	548	776	1,190	5,900	2,780	4,480	4,180	1,500	752	3,200
6	500	464	548	776	1,190	7,850	2,880	4,480	3,800	1,600	704	3,320
7	524	452	560	776	1,250	12,900	3,080	4,320	3,440	1,600	752	3,080
8	560	464	560	776	1,350	14,500	3,560	4,320	2,980	1,700	776	2,880
9	572	464	560	776	1,420	12,600	4,820	4,820	2,700	1,800	824	2,780
10	584	464	572	776	1,540	10,100	6,900	5,540	2,480	1,800	954	2,780
11	596	476	572	776	1,630	7,850	9,200	5,900	2,270	1,600	1,040	2,880
12	608	476	584	776	1,630	6,700	10,800	5,540	2,100	1,500	1,070	2,980
13	596	476	584	800	1,630	5,720	10,800	5,180	1,900	1,200	1,040	2,700
14	560	464	584	848	1,580	5,180	10,100	5,180	1,600	1,130	1,070	2,550
15	548	464	596	900	1,540	4,640	10,400	5,180	1,500	1,070	1,070	2,410
16	536	464	608	954	1,500	4,180	10,800	5,360	1,400	1,040	1,100	2,130
17	524	464	632	1,010	1,460	3,800	11,200	5,540	1,300	982	1,160	1,950
18	524	476	656	1,010	1,420	3,680	12,200	5,540	1,300	982	1,160	1,780
19	524	548	656	1,040	1,460	3,560	15,400	5,540	1,200	1,010	1,070	1,580
20	524	632	656	1,040	1,500	3,560	17,900	5,720	1,150	1,070	1,010	1,460
21	536	680	656	1,040	1,580	4,180	19,900	5,540	1,100	1,130	954	1,320
22	536	656	680	1,040	1,680	4,820	21,200	5,360	1,100	1,160	982	1,160
23	524	608	704	1,070	1,890	5,180	19,900	5,180	1,150	1,220	1,010	1,070
24	512	572	704	1,070	2,130	5,360	16,900	5,000	1,200	1,220	1,040	1,040
25	500	560	728	1,070	2,410	5,000	14,000	5,000	1,200	1,160	1,250	1,040
26	488	560	752	1,130	2,700	4,640	12,200	5,000	1,200	1,040	1,350	1,070
27	476	560	752	1,160	2,880	4,180	10,100	5,000	1,250	954	1,950	1,070
28	476	560	752	1,190	3,200	3,920	8,600	4,820	1,300	926	2,980	1,070
29	476	560	752	1,250	-----	3,800	7,350	4,480	1,300	926	3,680	1,010
30	476	560	752	1,280	-----	3,560	6,500	4,180	1,250	926	3,680	954
31	476	-----	752	1,280	-----	3,320	-----	3,920	-----	982	3,320	-----
TOTAL	16,268	15,492	19,676	29,446	46,700	178,280	291,310	157,020	64,410	38,428	41,858	63,064
MEAN	525	516	635	950	1,668	5,751	9,710	5,065	2,147	1,240	1,350	2,102
MAX	608	680	752	1,280	3,200	14,500	21,200	5,900	4,480	1,800	3,680	3,320
MIN	476	452	548	752	1,190	3,320	2,780	3,920	1,100	926	704	954
CFSM	-20	-19	-24	-36	-63	2.17	3.66	1.91	.81	.47	.51	.79
IN.	-.23	-.22	-.28	-.41	-.66	2.50	4.09	2.20	.90	.54	.59	.89

CAL YR 1960: TOTAL 1,561,652 MEAN 2,633 MAX 27,200 MIN 482 CFSM 1.39 IN 13.38

Note --No gage-height record June 11 to July 13

## 2-2025 Ogeechee River near Eden, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	891	385	619	2,890	3,970	3,920	6,080	4,120	887	1,150	591	616
2	824	385	633	2,800	3,980	4,250	6,160	3,930	898	951	560	615
3	761	383	651	2,620	4,060	4,770	6,340	3,750	903	824	577	616
4	701	382	670	2,430	4,280	5,660	6,570	3,600	941	779	608	611
5	651	387	689	2,230	4,500	9,000	6,530	3,500	957	783	607	605
6	610	391	706	2,110	4,600	12,800	6,350	3,430	921	793	609	602
7	579	390	719	2,070	4,570	13,300	6,440	3,380	946	858	565	632
8	542	409	723	2,010	4,440	12,400	6,760	3,310	1,090	848	514	644
9	524	412	713	2,000	4,220	10,800	7,500	3,160	1,250	770	471	644
10	511	394	689	2,030	4,010	10,000	7,800	3,050	1,350	708	445	631
11	499	380	660	2,080	3,920	9,350	8,100	2,830	1,310	661	430	554
12	487	375	640	2,100	3,960	8,700	8,700	2,640	1,260	632	425	506
13	476	382	687	2,120	3,960	8,100	8,700	2,480	1,270	625	422	487
14	455	396	745	2,160	3,820	8,100	8,100	2,320	1,270	641	415	472
15	447	412	835	2,240	3,560	8,700	7,500	2,220	1,310	644	441	472
16	441	425	946	2,350	3,290	9,350	7,500	2,050	1,330	630	479	468
17	438	437	1,030	2,500	3,030	10,400	8,400	1,890	1,250	623	508	467
18	434	446	1,110	2,840	2,800	13,300	10,800	1,710	1,180	629	509	498
19	428	453	1,160	3,960	2,720	15,800	12,800	1,620	1,150	615	508	521
20	421	460	1,200	5,690	2,710	15,800	12,400	1,510	1,150	607	492	550
21	414	468	1,220	6,280	2,740	14,300	10,800	1,420	1,160	592	492	561
22	410	477	1,260	5,800	2,870	13,300	10,000	1,320	1,210	612	540	566
23	410	499	1,340	5,100	2,940	12,000	9,350	1,250	1,310	616	503	572
24	402	547	1,450	4,440	3,010	10,400	8,400	1,220	1,300	586	539	574
25	401	602	1,590	3,960	3,180	9,000	7,010	1,170	1,270	564	552	595
26	395	639	1,760	3,640	3,420	7,800	6,250	1,070	1,260	545	568	630
27	390	645	1,960	3,430	3,630	6,780	5,670	1,020	1,260	533	678	691
28	386	642	2,210	3,560	3,790	6,420	5,160	973	1,310	541	707	781
29	384	622	2,450	3,570	3,870	6,180	4,710	898	1,390	556	689	950
30	382	614	2,650	3,690	-----	6,010	4,340	857	1,310	578	654	1,100
31	365	-----	2,800	3,880	-----	5,880	-----	855	-----	602	627	-----
TOTAL	15,479	13,839	36,515	98,580	101,980	292,570	231,220	68,553	39,403	21,094	16,725	18,231
MEAN	891	861	1,178	3,183	3,462	9,438	7,707	2,211	1,180	632	508	566
MAX	891	861	2,800	6,280	9,400	15,800	12,800	4,120	1,990	1,150	707	1,100
MIN	382	375	619	2,000	2,710	3,920	4,340	855	887	533	415	467
CSFM	.19	.17	.44	1.20	1.37	3.56	2.91	.83	.85	.26	.20	.23
IN.	.22	.19	.51	1.38	1.43	4.10	3.25	.96	.50	.30	.23	.26
CAL YR 1961: TOTAL	976,349			MEAN 2,675		MAX 21,200		MIN 375		CSFM 1.01		IN 13.70
WAT YR 1962: TOTAL	950,191			MEAN 2,805		MAX 15,800		MIN 375		CSFM .98		IN 13.54

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,230	1,010	1,580	1,220	11,600	5,670	3,550	1,300	1,610	6,180	3,150	525
2	1,240	982	1,580	1,250	10,500	5,470	3,370	1,270	1,540	5,830	3,310	497
3	1,110	954	1,630	1,280	8,930	5,270	3,220	1,260	1,420	5,700	3,190	475
4	980	926	1,630	1,350	7,590	5,090	3,080	1,260	1,340	5,860	2,940	458
5	975	900	1,630	1,420	6,790	4,980	2,940	1,260	1,300	5,920	2,720	455
6	1,060	848	1,630	1,540	6,360	4,960	2,840	1,260	1,300	5,790	2,620	458
7	1,230	824	1,580	1,680	6,070	4,910	2,820	1,270	1,310	5,490	2,550	464
8	1,540	776	1,580	1,780	5,860	4,760	2,800	1,300	1,200	5,020	2,460	466
9	2,190	776	1,630	1,830	5,690	4,540	2,750	1,340	1,160	4,620	2,320	472
10	3,080	776	1,630	1,940	5,550	4,320	2,720	1,400	1,170	4,290	2,260	478
11	3,830	800	1,630	1,990	5,500	4,110	2,700	1,470	1,250	3,820	2,230	483
12	3,860	848	1,630	2,040	5,590	3,950	2,680	1,580	1,410	3,400	2,040	478
13	3,420	874	1,540	2,080	5,510	3,830	2,730	1,750	1,580	3,050	1,780	475
14	3,080	900	1,500	2,090	5,400	3,700	2,800	2,090	1,690	2,820	1,540	503
15	3,080	954	1,460	2,080	5,280	3,570	2,810	2,520	1,650	2,800	1,300	520
16	3,320	982	1,420	2,090	5,130	3,470	2,780	2,760	1,440	2,910	1,100	522
17	3,320	1,010	1,380	2,070	4,980	3,400	2,700	2,700	1,210	3,110	1,040	525
18	3,200	1,040	1,350	2,050	4,860	3,400	2,590	2,440	1,110	3,200	1,070	525
19	2,980	1,070	1,320	2,020	4,860	3,420	2,490	2,120	1,190	3,330	903	539
20	2,700	1,100	1,280	2,110	4,840	3,540	2,430	1,840	1,230	3,300	741	561
21	2,480	1,100	1,250	2,400	4,870	3,690	2,400	1,680	1,350	3,020	710	599
22	2,270	1,190	1,220	2,590	4,930	3,770	2,360	1,550	1,540	2,670	720	660
23	2,010	1,190	1,190	2,820	4,900	3,790	2,290	1,520	1,910	2,550	801	683
24	1,780	1,190	1,190	3,450	5,040	3,860	2,160	1,530	2,790	2,600	819	698
25	1,580	1,220	1,160	4,120	5,290	4,550	2,010	1,510	3,470	2,780	774	700
26	1,420	1,250	1,160	4,890	5,570	5,590	1,830	1,470	4,250	2,890	715	708
27	1,280	1,320	1,130	5,390	5,760	5,600	1,530	1,300	5,660	2,890	650	718
28	1,190	1,380	1,130	5,680	5,840	5,290	1,500	1,450	6,860	2,780	594	733
29	1,100	1,500	1,130	6,250	-----	4,670	1,390	1,550	7,000	3,050	567	807
30	1,070	1,540	1,160	7,760	-----	4,140	1,330	1,630	6,560	3,070	550	849
31	1,010	-----	1,190	10,400	-----	3,790	-----	1,630	-----	3,050	539	-----
TOTAL	64,615	31,230	43,520	91,760	169,150	135,260	75,730	51,140	68,480	117,790	48,703	17,034
MEAN	2,084	1,041	1,404	2,960	6,041	4,363	2,524	1,650	2,283	3,800	1,571	568
MAX	3,860	1,540	1,630	10,400	11,600	5,760	3,550	2,760	7,000	6,180	3,310	849
MIN	975	776	1,130	1,220	4,840	3,400	1,330	1,260	1,110	2,550	539	455
CSFM	.79	.39	.53	1.12	2.28	1.65	.95	.62	.86	1.43	.59	.21
IN.	.91	.44	.61	1.29	2.37	1.90	1.06	.72	.96	1.65	.68	.24
CAL YR 1962: TOTAL	1,023,723			MEAN 2,805		MAX 15,800		MIN 415		CSFM 1.06		IN 14.38
WAT YR 1963: TOTAL	914,412			MEAN 2,505		MAX 11,600		MIN 455		CSFM .95		IN 12.83



## 2-2025, Ogeechee River near Eden, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	888	492	863	2,890	9,390	13,100	6,830	3,700	1,590	830	7,180	9,420
2	995	495	930	2,920	9,420	13,000	6,200	3,950	1,500	845	6,700	9,350
3	1,060	498	1,030	2,880	9,180	12,700	5,780	4,900	1,420	893	6,160	12,200
4	1,060	508	1,100	2,800	8,760	12,100	5,440	5,620	1,360	938	5,720	13,100
5	1,020	518	1,120	2,710	8,820	12,000	5,180	6,450	1,310	983	5,340	11,200
6	995	565	1,150	2,630	9,490	12,400	5,460	7,150	1,260	983	5,100	9,000
7	1,050	560	1,190	2,590	9,350	12,800	6,530	7,860	1,220	1,000	5,060	7,320
8	1,120	575	1,230	2,590	8,880	13,000	6,930	8,760	1,160	1,010	5,060	6,120
9	1,170	580	1,280	2,830	8,070	12,800	6,700	10,100	1,100	1,010	4,820	5,340
10	1,190	578	1,330	3,080	7,380	12,600	6,300	10,900	1,060	990	4,460	4,900
11	1,200	575	1,340	3,150	6,900	11,900	6,120	11,100	1,030	975	4,110	4,620
12	1,220	573	1,350	3,760	6,330	10,800	6,040	12,200	1,010	958	3,460	4,540
13	1,270	573	1,380	4,500	6,280	10,300	5,980	13,000	1,020	975	3,060	4,830
14	1,310	585	1,440	5,180	6,160	10,200	6,300	11,600	1,050	1,020	2,800	5,580
15	1,330	600	1,530	6,750	6,040	9,810	7,620	9,180	1,090	1,100	2,570	7,380
16	1,310	613	1,670	8,790	5,980	9,070	10,400	7,290	1,130	1,180	2,360	8,700
17	1,230	625	1,820	10,300	5,860	8,430	13,700	6,020	1,150	1,220	2,240	9,140
18	1,100	633	1,910	10,900	6,200	7,890	14,300	5,140	1,130	1,330	2,190	8,820
19	928	640	1,940	11,000	6,830	7,350	12,100	4,500	1,080	1,920	2,270	8,220
20	775	640	1,910	11,600	7,620	6,930	9,770	3,950	1,030	1,810	2,440	7,560
21	680	635	1,900	12,000	8,850	6,650	8,010	3,520	975	2,350	2,420	6,880
22	625	628	1,940	11,600	9,100	6,580	6,830	3,150	950	2,790	2,300	6,180
23	603	618	2,000	10,500	11,000	6,580	6,040	2,870	938	3,270	2,330	5,560
24	573	610	2,080	9,630	11,900	6,450	5,460	2,690	940	3,620	2,430	5,010
25	560	605	2,130	9,350	12,600	6,650	5,010	2,590	950	4,250	2,530	4,610
26	545	608	2,170	9,740	12,600	8,940	4,660	2,440	910	5,600	2,530	4,290
27	533	613	2,230	10,100	12,200	10,300	4,420	2,230	870	6,650	2,380	4,040
28	520	635	2,310	10,100	12,400	9,950	4,290	2,030	833	6,230	2,320	3,780
29	510	718	2,430	9,770	12,600	9,420	4,090	1,870	825	6,100	3,360	3,500
30	502	788	2,560	9,390	-----	8,520	3,880	1,770	830	6,580	5,070	3,180
31	495	-----	2,730	9,250	-----	7,620	-----	1,690	-----	7,100	8,490	-----
TOTAL	28,367	17,886	52,013	215,280	257,200	306,840	206,370	180,220	32,721	76,110	119,260	204,370
MEAN	1,330	788	2,730	12,000	12,600	13,100	8,850	7,290	1,590	7,100	8,490	13,100
MIN	495	492	863	2,590	5,860	6,450	3,880	1,690	825	830	2,190	3,180
CFSM	.35	.22	.63	2.62	3.35	3.74	2.60	2.19	.41	.93	1.45	2.57
IN.	.40	.25	.73	3.02	3.61	4.31	2.90	2.53	.46	1.07	1.67	2.87
CAL YR 1963: TOTAL	873,313	MEAN 2,393	MAX 11,400	MIN 485	CFSM .90	IN 12-26						
WAT YR 1964: TOTAL	1,696,637	MEAN 4,636	MAX 14,300	MIN 482	CFSM 1.75	IN 25-81						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,870	4,430	2,330	3,540	3,960	10,600	13,200	3,270	850	2,450	2,500	650
2	2,640	4,160	2,330	3,740	4,080	10,000	12,900	3,370	845	2,330	2,670	610
3	2,460	3,880	2,290	3,990	4,040	9,070	13,900	3,270	853	2,050	2,240	633
4	2,400	3,600	2,720	4,850	3,900	8,340	14,100	3,130	860	1,790	1,790	680
5	2,630	3,340	3,230	9,440	3,720	7,710	13,200	3,080	860	1,680	1,530	685
6	3,120	3,100	3,770	14,200	3,570	7,200	12,400	3,130	843	1,370	1,420	690
7	4,080	2,900	4,510	13,900	3,480	6,900	11,500	3,120	810	1,150	1,390	700
8	5,330	2,710	4,720	11,200	3,440	6,950	10,400	3,020	778	1,120	1,430	695
9	5,840	2,570	4,500	8,650	3,500	7,150	9,280	2,860	750	1,100	1,630	675
10	5,700	2,460	4,300	6,940	3,640	7,380	8,310	2,720	723	1,170	1,690	655
11	5,590	2,370	4,240	5,900	3,710	7,200	7,500	2,600	713	1,300	2,150	635
12	5,520	2,290	4,250	5,230	3,740	6,900	6,950	2,480	710	1,380	2,100	615
13	5,290	2,220	4,220	4,780	4,070	6,700	6,450	2,350	708	1,340	1,930	596
14	5,000	2,170	4,100	4,410	4,430	6,400	6,020	2,160	735	1,310	1,880	575
15	5,000	2,120	3,880	4,140	5,030	6,430	5,660	1,970	778	1,350	1,900	564
16	5,170	2,080	3,670	3,910	5,580	6,300	5,260	1,770	843	1,440	1,940	574
17	6,940	2,040	3,520	3,700	6,170	6,120	4,910	1,590	936	1,600	2,050	618
18	10,300	2,000	3,400	3,520	7,180	6,100	4,580	1,440	996	2,010	2,100	708
19	11,000	1,960	3,310	3,340	9,740	6,160	4,270	1,330	1,080	2,330	2,090	788
20	10,500	1,930	3,260	3,170	13,300	6,580	4,050	1,300	1,230	2,550	1,950	853
21	9,930	1,920	3,240	3,030	16,000	7,030	3,780	1,310	1,440	2,840	1,740	855
22	9,600	1,890	3,200	2,920	17,500	7,560	3,580	1,230	1,700	2,810	1,500	820
23	9,100	1,860	3,120	2,830	17,600	7,800	3,470	1,140	1,880	2,490	1,260	768
24	8,400	1,910	3,050	2,800	16,900	7,890	3,300	1,070	1,990	2,190	1,080	733
25	7,540	1,950	2,980	2,790	15,700	8,850	3,410	1,010	2,030	1,960	960	765
26	6,750	1,960	2,950	2,860	13,900	10,600	3,390	960	2,120	1,860	870	780
27	6,120	1,990	2,950	3,030	12,300	11,700	3,360	909	2,260	1,770	845	775
28	5,680	2,070	2,970	3,240	11,300	13,100	3,220	870	2,420	1,800	870	783
29	5,320	2,180	3,090	3,400	-----	14,100	3,120	885	2,480	1,640	845	850
30	5,010	2,280	3,220	3,560	-----	14,200	3,120	900	2,490	1,680	820	981
31	4,720	-----	3,350	3,800	-----	13,900	-----	873	-----	1,950	732	-----
TOTAL	185,550	74,340	106,670	156,810	221,480	262,320	208,730	61,117	37,731	57,810	50,102	21,311
MEAN	5,985	2,478	3,441	5,058	7,145	8,462	6,733	2,004	1,217	1,833	1,616	688
MAX	11,000	4,430	4,720	14,200	17,600	14,200	14,100	3,370	2,490	2,840	2,670	981
MIN	2,400	1,860	2,290	2,790	3,440	6,100	3,120	870	708	1,100	732	564
CFSM	2.26	.94	1.30	1.91	2.98	3.20	2.63	.74	.47	.68	.61	.27
IN.	2.60	1.04	1.50	2.20	3.11	3.69	2.93	.86	.53	.78	.70	.30
CAL YR 1964: TOTAL	1,764,931	MEAN 5,362	MAX 17,300	MIN 944	CFSM 2.03	IN 27-58						
WAT YR 1965: TOTAL	1,442,561	MEAN 3,952	MAX 17,600	MIN 944	CFSM 1.46	IN 26-24						

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

Records available --May 1937 to September 1965

Gage --Digital water-stage recorder Datum of gage is 80.5 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department) Prior to Oct 20, 1949, staff gage, and Oct 20, 1949, to Jan 22, 1965, graphic water-stage recorder at same site and datum

Average discharge --28 years, 450 cfs

Extremes --Maximum and minimum discharge for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 19, 1961	4,800	12.9	Oct 29, 1960	1.6	-
1962	Mar 16, 1962	3,010	11.5	Aug 14, 1962	1.1	-
1963	June 28, 1963	2,520	10.9	Sept 14, 1963	1.8	-
1964	Jan 14, 1964	3,300	13.0	June 24, 1964	4.4	-
1965	Feb 18, 1965	6,800	13.8	June 5, 1965	4.6	-

1937-65 Maximum discharge, 12,100 cfs Apr 2, 1948 (gage height, 13.9 ft, from graph based on gage readings), from rating curve extended above 5,500 cfs by logarithmic plotting, minimum observed, 0.86 cfs Sept 8-14, Oct 25, 26, Nov 2, 1954

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

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

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961**

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	7.0	2.2	5.0	20	59	705	500	942	375	518	24	1,300	
2	6.5	2.2	5.0	26	54	766	518	942	324	500	20	1,300	
3	3.9	2.2	4.6	30	51	830	500	862	256	386	15	1,200	
4	3.3	2.2	4.6	30	53	766	518	750	214	199	13	1,000	
5	5.9	2.7	4.6	29	54	705	566	675	174	144	17	900	
6	4.4	2.7	4.0	26	54	690	630	598	126	115	40	800	
7	3.9	2.7	4.0	26	67	660	675	550	84	90	166	700	
8	3.9	2.7	4.0	26	115	630	690	450	59	68	229	750	
9	2.3	2.7	4.0	135	135	614	640	276	44	53	296	850	
10	3.9	2.7	4.0	23	132	582	782	409	38	46	296	900	
11	4.4	2.7	4.0	20	130	500	926	460	38	56	229	800	
12	5.4	2.7	4.0	135	135	430	1,020	75	88	75	140	600	
13	6.5	3.3	4.0	17	132	364	1,280	386	79	84	98	600	
14	6.5	3.9	4.1	27	123	309	2,010	329	50	81	104	500	
15	6.5	4.4	4.4	50	115	284	3,100	294	35	102	154	460	
16	4.9	4.4	4.9	64	104	264	3,620	304	32	166	184	460	
17	4.4	3.9	5.4	60	92	249	4,300	352	48	135	121	260	
18	2.7	7.6	8.2	59	83	239	4,400	430	59	112	77	180	
19	2.7	10	10	72	94	249	4,500	450	54	121	70	182	
20	3.7	20	11	77	149	249	4,300	364	44	140	108	194	
21	2.3	16	12	72	156	421	3,010	256	40	149	279	209	
22	2.7	13	12	64	149	582	2,220	192	51	132	340	180	
23	2.7	11	13	54	192	660	1,660	186	57	98	304	180	
24	3.3	12	14	47	304	750	1,250	229	51	72	276	190	
25	2.7	12	15	40	409	782	1,010	216	47	60	368	200	
26	2.7	10	15	41	470	750	846	204	47	46	660	140	
27	2.7	8.0	14	48	534	675	720	272	48	38	974	100	
28	2.2	6.5	14	62	614	614	750	375	166	34	1,910	80	
29	1.8	5.0	14	55	708	550	708	386	38	65	1,708	50	
30	2.2	5.0	14	65	-----	450	862	500	398	33	1,930	50	
31	2.2	-----	15	62	-----	364	-----	420	-----	27	1,100	-----	
TOTAL	131.90	186.44	225.25	1,344.44	4,770.59	16,983.55	48,621.11	13,622.55	3,119.00	3,728.00	11,933.00	15,730.00	
MAX	7.0	20	15	77	614	830	4,500	942	398	518	1,700	1,300	
MIN	1.8	2.2	4.0	17	51	239	500	186	32	27	13	50	
CFSM	.007	.01	.01	.08	.31	.97	2.92	.80	.21	.23	.64	.93	
IN.	.008	.01	.02	.09	.32	1.12	3.26	.92	.24	.26	.74	1.03	
CAL YR	1960:	TOTAL	192,306.9	MEAN	322	MAX	4,100	MIN	1.8	CFSM	.35	IN	12.89
MAY YR	1961:	TOTAL	119,536.4										

## 2-2030 Canoochee River near Claxton, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	6.5	47	192	1,060	974	1,280	386	84	90	26	6.5
2	40	6.0	43	234	942	990	1,790	518	128	154	15	5.9
3	35	6.0	40	244	878	1,220	2,160	645	92	126	11	5.9
4	32	6.0	36	272	862	1,660	1,930	705	74	104	7.0	5.4
5	28	6.0	35	286	814	2,220	1,700	660	65	117	4.9	4.9
6	26	6.0	33	326	705	2,670	1,610	550	54	149	3.9	8.4
7	24	6.0	33	566	598	2,670	1,490	398	46	102	3.9	23
8	22	6.0	35	660	518	2,360	1,310	282	39	83	4.4	29
9	20	6.0	36	660	470	1,980	1,120	206	34	74	3.9	21
10	18	6.0	34	614	430	1,660	1,020	154	33	57	4.4	15
11	16	6.0	32	566	386	1,400	1,010	123	32	48	3.9	11
12	15	6.0	33	518	352	1,280	1,160	104	29	43	3.3	8.8
13	14	6.0	77	490	324	1,220	1,340	94	32	30	1.8	6.5
14	12	8.0	166	470	304	1,310	1,400	86	36	62	1.4	7.0
15	11	13	213	440	289	2,020	1,460	74	50	54	5.4	10
16	10	17	420	409	294	3,010	1,490	68	81	38	11	5.9
17	9.5	15	490	364	364	2,670	1,660	60	67	50	12	4.9
18	8.5	15	500	329	375	2,160	1,660	56	83	46	12	4.9
19	7.4	15	518	314	501	1,790	1,370	53	128	54	22	5.9
20	7.5	13	460	340	846	1,520	1,080	51	162	54	24	17
21	7.5	11	364	364	1,010	1,310	862	44	147	39	16	16
22	7.5	12	314	364	1,080	1,140	690	36	123	28	21	13
23	7.0	17	282	364	1,020	1,060	614	32	126	21	15	12
24	7.0	34	264	375	942	942	534	27	83	17	34	10
25	7.0	67	256	386	974	846	460	25	68	16	33	8.8
26	7.0	56	239	420	1,060	830	409	22	65	81	22	8.2
27	7.0	47	219	420	1,120	814	364	18	43	79	18	12
28	7.0	51	209	582	1,080	798	319	17	54	51	16	50
29	7.0	54	202	798	-----	814	324	18	108	35	14	70
30	6.5	53	186	926	-----	862	364	54	90	26	12	79
31	6.5	-----	176	1,040	-----	942	-----	56	-----	24	8.2	-----
TOTAL	478.1	576.5	5,992	14,333	19,598	47,142	33,980	5,622	2,256	1,952	390.4	485.9
MEAN	15.4	19.2	193	462	700	1,521	1,133	181	75.2	63.0	12.6	16.2
MAX	45	67	518	1,040	1,120	3,010	2,160	705	162	154	34	79
MIN	6.5	6.0	32	192	289	798	319	17	29	16	1.4	4.9
CFSM	.03	.03	.35	.83	1.26	2.74	2.04	.33	.14	.11	.02	.03
IN.	.03	.04	.40	.96	1.31	3.16	2.28	.38	.15	.13	.03	.03

CAL YR 1962: TOTAL 132,803.9 MEAN 342 MAX 3,010 MIN 6.0 CFSM .62 IN 8.98

Note --No gage-height record Oct 1 to Nov 15

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	56	152	314	194	878	1,430	256	128	420	1,660	206	43
2	50	124	219	214	846	1,340	232	106	536	1,310	209	77
3	60	108	229	242	862	1,160	204	102	550	974	282	83
4	60	94	199	292	910	1,080	186	152	409	720	352	86
5	50	86	179	340	942	990	179	189	259	598	266	94
6	41	79	162	386	1,010	926	172	204	179	440	204	79
7	74	72	149	386	1,140	878	184	204	126	296	172	72
8	593	65	147	352	1,250	830	219	204	92	216	123	83
9	1,200	67	154	304	1,280	782	224	174	77	174	98	64
10	1,980	90	149	259	1,250	735	249	144	62	147	90	41
11	1,610	94	137	234	1,120	690	276	128	54	176	77	29
12	1,100	90	130	229	1,080	645	306	106	50	172	60	24
13	766	94	126	224	1,120	630	364	77	51	142	57	19
14	598	135	154	224	1,160	705	352	65	38	135	72	18
15	460	184	206	214	1,140	766	294	67	28	149	65	32
16	340	232	189	209	1,060	735	254	67	23	182	50	29
17	259	266	164	232	1,010	690	236	56	22	312	43	29
18	206	292	172	284	942	675	212	44	25	228	35	29
19	172	264	174	386	910	675	194	40	50	162	34	25
20	156	224	159	480	910	675	192	39	86	117	65	24
21	147	186	147	720	862	660	172	67	169	159	106	25
22	164	164	142	910	846	645	140	75	314	249	119	50
23	184	166	128	958	846	614	108	65	705	234	154	84
24	166	159	110	1,220	894	582	86	92	1,190	179	149	96
25	152	162	98	2,160	1,190	566	67	86	1,370	126	96	67
26	149	196	92	2,220	1,430	534	53	130	1,430	162	67	47
27	152	226	94	1,790	1,560	518	46	159	1,840	156	77	35
28	156	262	108	1,490	1,520	470	46	130	2,440	102	156	28
29	162	304	156	1,220	-----	420	47	164	2,360	224	117	70
30	176	329	202	1,020	-----	352	54	246	2,030	329	75	324
31	174	-----	204	926	-----	289	-----	256	-----	262	47	-----
TOTAL	11,613	4,968	5,043	20,323	29,398	22,987	5,604	3,764	16,223	10,432	3,723	1,809
MEAN	376	166	163	654	949	742	179	121	523	338	117	58.1
MAX	1,980	329	314	2,220	1,560	1,430	364	256	2,440	1,660	752	324
MIN	41	65	92	196	846	289	46	39	22	102	34	18
CFSM	.67	.30	.29	1.18	1.93	1.32	.34	.22	1.02	.61	.22	.11
IN.	.78	.33	.34	1.36	2.01	1.52	.38	.25	1.14	.70	.25	.12

CAL YR 1962: TOTAL 147,383.3 MEAN 404 MAX 3,010 MIN 18.4 CFSM .73 IN 9.88

CAL YR 1963: TOTAL 136,976 MEAN 375 MAX 2,440 MIN 18.4 CFSM .68 IN 9.78

2-2030 Canoochee River near Claxton, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	500	12	96	340	1,700	3,100	1,610	798	62	38	1,490	3,200
2	398	13	123	398	1,560	3,010	1,310	942	54	58	1,610	3,750
3	296	18	147	420	1,900	3,200	1,040	1,410	48	135	1,490	3,500
4	309	23	162	420	1,220	3,500	894	2,840	41	189	1,400	2,520
5	420	21	186	409	1,100	4,000	814	3,500	33	219	1,610	1,700
6	470	29	194	420	1,080	4,600	766	3,100	28	176	1,610	1,160
7	398	51	176	450	1,160	4,500	830	2,750	27	117	1,160	878
8	292	57	147	480	1,370	3,300	910	2,220	26	70	766	690
9	206	48	119	598	1,460	2,520	1,020	1,740	25	47	550	582
10	147	43	102	750	1,460	2,030	1,370	1,340	20	34	450	500
11	110	38	90	878	1,400	1,740	2,030	974	16	26	398	550
12	88	39	98	1,200	1,370	1,560	1,930	735	17	32	480	720
13	72	35	123	2,180	1,340	1,400	1,700	598	22	62	675	1,140
14	62	30	204	4,550	1,340	1,250	1,520	480	29	121	814	1,790
15	64	28	274	4,700	1,310	1,120	1,310	386	34	135	990	2,440
16	62	26	352	3,500	1,250	1,120	1,060	309	30	121	1,120	2,030
17	56	25	386	3,100	1,160	1,250	962	254	24	100	1,120	1,740
18	47	25	409	2,750	1,380	1,340	910	214	18	264	962	1,560
19	38	28	470	2,360	2,440	1,370	846	182	13	598	675	1,400
20	33	28	518	2,090	3,620	1,310	750	156	12	690	550	1,160
21	29	28	500	1,880	3,900	1,190	660	137	10	926	450	910
22	26	26	460	1,740	3,750	1,120	566	130	7.0	958	375	705
23	22	25	409	1,660	3,400	1,060	490	110	5.4	1,200	409	598
24	20	25	364	1,560	2,750	990	409	112	5.4	3,110	470	500
25	19	23	340	1,460	2,090	878	340	115	12	4,400	645	398
26	20	21	324	1,460	1,880	862	302	104	40	3,500	750	309
27	20	20	309	1,520	1,840	1,060	289	88	137	2,840	598	252
28	18	20	299	1,700	2,220	1,530	430	88	142	2,590	398	222
29	15	40	299	1,790	2,920	2,590	614	88	119	2,160	794	214
30	13	88	304	1,790	-----	2,670	720	79	74	1,740	1,340	204
31	13	-----	306	1,740	-----	2,090	-----	72	-----	1,460	2,680	-----
TOTAL	4,283	933	8,290	50,293	54,870	63,260	28,382	26,051	1,130.8	28,116	28,809	37,322
MEAN	138	31.1	267	1,622	1,892	2,041	946	840	37.7	907	929	1,244
MAX	500	88	518	4,700	3,900	4,600	2,030	3,500	142	4,400	2,680	3,750
MIN	13	12	90	340	1,080	862	289	72	5.4	26	375	204
CFSM	25	06	48	2,92	3,41	3,68	1,70	1,51	07	1.63	1.67	2,24
IN.	.29	.06	.56	3.37	3.68	4.24	1.90	1.75	.08	1.68	1.93	2.50

CAL YR 1963: TOTAL 129,958 MEAN 353 MAX 2,460 MIN 12 CFSM 1.64 IN 8.93  
 MAY YR 1964: TOTAL 331,739.8 MEAN 506 MAX 2,700 MIN 5.4 CFSM 1.63 IN 22.23

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	192	630	326	1,280	1,090	2,020	2,180	313	12	73	1,220	54
2	224	598	286	1,160	971	1,870	2,040	269	11	44	757	52
3	446	566	294	1,010	837	1,770	1,930	240	10	34	364	50
4	1,920	534	653	894	750	1,690	1,840	209	6.0	40	206	46
5	3,700	500	1,490	782	694	1,630	1,820	188	5.3	37	154	37
6	3,340	480	2,220	720	656	1,610	1,780	156	5.3	29	124	30
7	2,840	450	2,160	675	782	1,650	1,700	124	6.0	22	105	27
8	2,520	409	1,790	630	970	1,690	1,530	99	6.0	23	112	21
9	2,290	386	1,520	598	1,160	1,670	1,350	80	6.0	34	151	17
10	1,880	364	1,490	582	1,330	1,590	1,200	80	6.0	229	186	13
11	1,490	364	1,460	550	1,290	1,480	1,080	73	8.3	178	149	12
12	1,160	352	1,340	534	1,150	1,390	967	88	11	150	142	11
13	942	329	1,140	518	1,320	1,500	876	105	12	750	204	10
14	766	299	1,010	518	1,760	1,680	797	80	13	1,090	384	10
15	944	274	974	490	2,340	1,890	711	62	27	1,180	614	9.1
16	1,740	262	1,010	500	2,420	1,820	645	46	74	938	614	9.1
17	3,130	264	1,060	490	2,580	1,720	566	36	129	515	645	13
18	3,460	296	1,020	480	4,270	1,690	482	28	151	271	582	14
19	3,130	306	926	460	6,620	1,770	454	22	124	178	354	18
20	2,930	302	862	409	6,200	2,050	500	17	99	133	206	36
21	2,520	329	830	375	5,640	2,660	500	54	80	107	144	29
22	2,030	309	830	352	4,420	2,810	482	76	71	90	110	23
23	1,660	289	814	344	3,110	2,470	464	41	57	74	84	20
24	1,310	276	814	482	2,410	2,130	518	26	44	60	91	13
25	1,020	294	814	695	2,130	2,040	720	20	36	52	67	13
26	862	352	830	819	2,000	2,580	750	18	31	117	47	49
27	766	386	894	963	2,200	2,990	614	15	46	168	44	50
28	720	409	990	1,080	2,260	3,160	550	14	86	129	47	37
29	675	440	1,080	1,190	-----	2,980	518	18	86	305	69	49
30	645	398	1,160	1,220	-----	2,690	414	16	99	649	73	72
31	630	-----	1,250	1,180	-----	2,390	-----	13	-----	990	57	-----
TOTAL	51,882	11,447	33,307	21,980	63,360	63,080	29,978	2,626	1,357.9	8,689	8,106	844.2
MEAN	1,674	362	1,074	709	2,033	2,035	969	84.7	45.3	280	261	26.1
MAX	3,700	630	2,220	1,280	6,620	3,160	2,180	313	151	1,180	1,220	72
MIN	192	262	264	344	656	1,390	414	15	5.3	22	44	9.1
CFSM	3.02	.69	1.94	1.28	4.08	3.67	1.80	.15	.09	.21	.47	.06
IN.	3.48	.77	2.23	1.47	4.25	4.23	2.01	.18	.09	.58	.54	.06

CAL YR 1964: TOTAL 518,882 MEAN 1,813 MAX 2,790 MIN 3.3 CFSM 1.64 IN 24.88  
 MAY YR 1965: TOTAL 296,697.1 MEAN 906 MAX 2,620 MIN 5.4 CFSM 1.63 IN 22.23



DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

RECAP OF 1964-65 FISH STOCK SURVEY, AFTER FISH TAKEN FROM 1964-65 SURVEY													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	-.75	1.2	1.7	1.7	4.0	4.1	2.8	1.4	1.1	1.0	-.55	-.60	
2	-.75	1.2	1.6	4.2	2.0	4.3	2.8	1.3	1.0	1.0	-.55	3.5	
3	-.70	1.2	1.6	2.4	1.3	3.0	5.3	1.1	-.94	8.3	-.55	1.6	
4	3.6	1.2	25	1.7	1.1	8.9	18	-.94	1.6	2.1	-.55	-.70	
5	23	1.2	3.6	1.6	-.94	2.6	8.9	1.0	3.1	5.2	-.55	-.60	
6	3.2	1.1	2.6	1.6	12	2.6	3.4	1.0	1.6	1.6	-.55	-.60	
7	2.3	1.1	2.3	1.6	9.9	3.2	2.8	-.94	25	3.6	2.8	-.60	
8	1.8	1.1	2.1	1.4	2.8	2.6	2.6	-.94	3.2	-.94	9.3	-.60	
9	1.6	1.0	1.8	1.6	2.8	2.3	2.4	5.2	2.4	-.75	1.0	-.78	
10	1.6	1.0	1.7	4.1	2.3	2.1	2.3	1.3	10	1.5	-.80	1.7	
11	1.6	1.0	1.6	1.7	2.3	1.7	2.1	-.94	17	1.1	-.70	-.60	
12	1.6	1.0	6.5	1.7	12	15	2.8	-.94	11	-.75	-.60	-.60	
13	1.4	1.0	2.1	1.4	3.0	2.8	2.4	-.94	4.1	-.70	-.60	-.60	
14	1.4	1.1	1.9	1.3	2.6	2.4	2.1	-.94	2.8	-.65	-.60	-.55	
15	21	1.1	1.7	2.1	2.1	2.3	3.5	-.94	11	2.4	3.3	4.1	
16	29	1.1	1.7	2.5	2.2	2.3	2.3	-.94	3.4	-.60	1.0	-.65	
17	3.0	1.3	1.7	1.7	14	17	1.7	-.94	1.7	-.55	-.80	-.55	
18	2.3	2.4	3.4	1.3	3.2	4.5	1.7	-.94	1.4	-.55	-.70	-.50	
19	2.1	3.9	1.9	1.3	2.4	3.4	3.8	-.84	1.4	-.55	-.60	-.50	
20	1.8	4.8	8.1	1.3	2.3	3.6	1.7	3.8	1.4	-.55	-.60	-.55	
21	1.6	1.4	2.1	1.3	2.1	2.8	1.6	-.94	1.3	-.55	-.60	-.55	
22	1.5	1.3	1.7	10	1.9	2.8	1.6	11	1.1	-.55	-.60	-.55	
23	1.4	1.3	1.7	70	1.9	9.8	1.4	1.4	1.1	-.55	3.0	-.55	
24	1.4	15	9.8	10	9.7	17	1.4	1.1	7.6	-.60	1.1	-.70	
25	1.3	10	13	4.0	4.1	4.7	1.1	1.1	2.4	6.6	1.4	-.65	
26	1.3	1.2	19	1.5	2.5	19	1.1	1.1	1.7	1.9	3.9	-.60	
27	1.3	1.7	3.6	-.94	2.0	3.8	8.3	1.4	1.4	-.65	1.1	-.60	
28	1.3	9.0	2.4	-.94	2.0	2.8	2.3	1.1	1.5	-.50	-.80	-.60	
29	1.3	2.0	2.3	-.84	-----	9.6	1.7	1.1	2.6	-.50	-.70	-.65	
30	1.3	1.7	1.9	-.94	-----	3.8	1.4	1.1	1.2	-.50	-.60	14	
31	1.3	-----	1.7	2.5	-----	3.2	-----	-----	-----	-.55	-.60	-----	
TOTAL	119.50	74.6	133.8	141.16	111.44	170.0	102.3	49.72	127.04	47.24	41.10	39.93	
MEAN	3.85	2.49	4.32	4.55	3.98	5.48	3.41	1.60	4.23	1.52	1.33	1.33	
MAX	29	15	25	70	14	19	18	11	25	8.3	9.3	14	
MIN	-.70	1.0	1.6	-.84	-.94	1.7	1.1	-.84	-.94	-.50	-.55	-.50	
CFSH	2.59	1.67	2.90	3.06	2.67	3.60	2.29	1.08	2.84	1.02	-.89	-.89	
IN.	2.98	1.86	3.34	3.52	2.70	4.24	2.55	1.24	3.17	1.18	1.03	1.00	
CAL YR	1964:	TOTAL 1,499.43		MEAN 4.10		MAX 88		MIN .51		CFSH 2.13		IN 37.43	
WAT YR	1965:	TOTAL 1,157.83		MEAN 3.17		MAX 70		MIN .50		CFSH 2.13		IN 28.90	

2-2050 Wildcat Creek near Lawrenceville, Ga

Location --Lat 34°00'00", long 84°00'20", on left bank 75 ft upstream from highway bridge, 0.7 mile upstream from mouth, 1.1 miles east of State Highway 20, and 3.4 miles north of Lawrenceville, Winnett County

Drainage area --1.59 sq mi

Records available --October 1953 to September 1965

Gage --Digital water-stage recorder. Altitude of gage is 970 ft above mean sea level (by barometer). Prior to Apr 22, 1965, graphic water-stage recorder at same site and datum

Average discharge --12 years, 1.50 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharge above base (40 cfs), water 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 21, 1961	1000	61	2.39	Sept 17, 1962	0600	40	2.00	Apr 6, 1964	1100	170	3.60
Feb 25, 1961	0200	* 330	4.96					Apr 27, 1964	0900	141	3.31
Mar 31, 1961	0800	58	2.35	Nov 21, 1962	1500	84	2.65	May 2, 1964	2200	47	2.12
Apr 12, 1961	0700	43	2.11	Mar 5, 1963	2400	120	3.12	July 21, 1964	2000	51	2.20
June 21, 1961	1400	59	2.36	Mar 12, 1963	2100	* 110	3.02				
Aug 24, 1961	1300	54	2.28	Apr 30, 1963	0400	145	3.41	Dec 4, 1964	0700	45	2.08
				June 26, 1963	2100	50	2.16	Dec 26, 1964	1500	57	2.27
Dec 12, 1961	0900	102	2.90					Mar 24, 1965	2200	* 98	2.88
Dec 18, 1961	0500	* 110	2.98	Jan 25, 1964	-	* 228	4.15	May 22, 1965	0200	97	2.87
Feb 22, 1962	0600	51	2.18	Mar 15, 1964	0900	61	2.33	June 11, 1965	2245	80	2.62
Apr 12, 1962	0800	70	2.49	Mar 25, 1964	2200	140	3.29				

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Sept 29, 30, 1961	0	31	1964	Sept 9, 10, 1964	0	22
1962	Sept 6, 1962	11	11	1965	Aug 30, 31, Sept 1, 1965	16	-
1963	Sept 26, 27, 1963	15	-				

1953-65 Maximum discharge, 806 cfs May 6, 1956 (gage height, 8.20 ft), from rating curve extended above 20 cfs on basis of slope-area measurement at gage height 4.95 and slope-area estimate at gage height 8.20 ft, no flow for part of each day Sept 1-6, Oct 7, 1954

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.51	.64	.43	1.4	.70	2.3	4.5	1.9	.59	1.8	.37	.90
2	.43	.47	.43	.90	.64	2.1	3.1	1.9	.55	1.7	.37	.76
3	.40	.43	.43	.76	.64	2.0	3.1	1.5	.51	1.9	.40	.64
4	.40	.43	.43	.70	.64	1.8	2.5	1.5	.51	1.8	.47	.59
5	.43	.40	.43	.64	.64	1.8	2.1	1.4	.51	1.6	.40	.55
6	.51	.43	.43	.64	.64	1.9	1.8	1.4	.51	1.6	.40	.59
7	.51	.40	.43	.59	1.6	4.5	1.6	1.4	.51	1.9	.51	.51
8	.70	.40	.43	.59	1.6	7.0	1.5	1.2	.47	1.6	2.0	.51
9	1.9	.40	.43	.55	1.2	3.4	3.3	1.5	.43	1.3	1.2	.47
10	.82	.47	.43	.51	.98	2.7	2.3	2.1	.43	1.1	.59	.47
11	.64	.47	2.0	.51	.82	2.3	2.0	5.9	.43	1.3	.47	.47
12	.51	.43	1.1	.51	.82	2.0	13	3.8	.47	1.1	.40	.47
13	.47	.43	.82	.59	.76	2.3	4.5	2.7	.55	1.2	.37	.47
14	.43	.43	.70	1.4	.76	2.2	3.1	2.0	.52	.90	.90	1.4
15	.43	.40	.76	.90	.76	1.9	3.1	1.6	1.2	.80	.51	1.1
16	.43	.40	.70	.76	.70	1.8	3.4	1.5	1.2	.80	.43	.64
17	.40	.37	.64	.70	.64	1.5	2.3	1.4	.76	.90	.40	.59
18	.40	.40	.59	.70	2.7	1.8	2.2	1.2	.64	1.0	.37	.55
19	.40	.40	.59	.98	4.0	1.6	2.1	.98	.55	.82	.34	.64
20	.98	.40	.59	.98	11	1.5	1.9	.90	.90	.82	.55	.64
21	.34	.40	.82	.82	28	2.5	1.9	.82	15	.70	2.8	.55
22	.43	.40	.64	.76	5.6	1.9	1.6	1.1	3.4	.64	1.8	.47
23	.40	.82	.59	.70	10	1.8	1.6	1.3	2.0	.59	1.3	.47
24	.37	.64	.59	.64	20	1.5	1.5	.98	1.7	.55	16	.43
25	.34	.59	.55	.59	64	1.5	1.5	.98	1.6	.51	4.5	.43
26	.34	.51	.55	.70	5.6	1.4	2.1	1.1	9.0	.47	2.9	.43
27	.37	.51	.55	.70	3.4	1.3	3.8	.98	4.0	.47	2.1	.40
28	.37	.51	.51	.64	3.2	1.4	3.1	.82	3.0	.47	1.5	.40
29	.37	.51	.55	.70	-----	1.3	2.2	.76	2.3	.43	1.1	.37
30	.37	.43	.70	.70	-----	1.2	2.0	.64	2.0	.43	1.1	.37
31	.70	-----	.90	.70	-----	16	-----	.64	-----	.40	.98	-----
TOTAL	16.10	13.92	19.74	22.96	172.04	80.2	86.7	47.99	56.83	31.82	47.33	17.88
MEAN	.52	.46	.64	.74	6.14	2.56	2.99	1.59	1.83	1.02	1.50	.56
MAX	1.9	.82	2.0	1.4	64	16	13	5.9	15	1.9	16	1.4
MIN	.34	.37	.43	.51	.64	1.2	1.5	.64	.43	.40	.34	.37
CFSM	.33	.29	.40	.47	3.86	1.63	1.82	.97	1.18	.64	.96	.36
IN.	.38	.33	.46	.54	4.02	1.88	2.03	1.12	1.32	.74	1.11	.40

GAL YR 1960: TOTAL 490.90 MEAN 1.35 MAX 21 MIN .92 CFSM 1.83 IN 14.32  
 MAY YR 1961: TOTAL 612.21

Note --No gage-height record June 23 to July 18

2-2050 Wildcat Creek near Lawrenceville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1		.37	.51	.56	2.1	2.2	2.6	6.8	2.1	.70	.46	.32	
2		.37	.51	.56	1.8	2.1	2.4	3.8	1.8	.80	.42	1.4	
3		.56	.46	.56	1.6	2.1	2.2	3.0	1.6	.70	.42	.75	
4		.56	.51	.56	1.6	2.0	2.2	2.7	1.6	.70	.46	.51	
5		.51	.46	.56	1.7	2.0	2.1	2.7	1.5	1.2	.37	.37	
6		.46	.46	.75	4.7	1.8	1.7	3.6	1.3	.80	1.5	.32	
7		.46	.46	.75	2.8	1.7	1.7	3.5	1.2	.66	.90	.46	
8		.46	.46	.66	2.6	1.8	1.7	3.0	1.1	.61	.70	.46	
9		.42	.42	.61	2.2	1.8	2.4	2.7	1.1	.56	1.4	.28	
10		.42	.42	5.0	2.1	1.7	3.5	2.4	1.1	.56	.56	.25	
11		.37	.42	3.5	2.0	1.6	6.7	8.2	1.1	.61	.51	.22	
12		.37	.37	40	1.8	1.6	7.3	17	1.0	1.4	.51	.20	
13		.42	.46	7.8	1.7	1.5	3.2	5.4	.90	2.1	.51	1.3	
14		.46	.61	3.5	1.7	1.5	2.4	3.8	.90	.90	.42	.90	
15		.42	.61	3.0	2.6	1.5	2.2	3.3	1.0	.70	.32	.46	
16		.46	.61	2.7	2.2	1.7	2.1	2.8	.90	.61	.46	.56	
17		.46	.61	4.0	2.0	1.6	1.8	2.6	.90	.61	.37	.42	
18		.46	.56	18	1.7	1.7	1.8	2.6	.80	.61	.30	.32	
19		.46	.51	4.4	3.2	2.4	1.7	2.2	.75	.56	.28	.30	
20		.46	.51	2.8	3.2	1.7	1.7	2.1	.70	.66	.25	.25	
21		.46	.51	2.6	2.8	3.7	4.2	2.1	.66	.66	.25	.28	
22		.42	.51	2.2	2.6	28	2.0	2.0	.61	.51	.22	.30	
23		.42	1.2	2.1	2.8	8.8	1.8	2.0	.61	.46	.20	.30	
24		.46	1.3	2.0	2.7	8.7	1.7	1.8	.56	.42	.20	.28	
25		.46	.90	1.8	4.7	5.1	2.6	2.5	.56	.42	1.3	.24	
26		.46	.80	1.7	2.6	4.2	4.7	2.7	.51	.75	.70	.22	
27		.42	.75	2.0	3.0	3.2	2.6	2.1	.51	.90	.46	.19	
28		.46	.75	2.2	6.6	2.8	2.2	2.0	.46	.70	.37	.17	
29		.46	.70	1.7	3.3	-----	2.1	4.4	1.1	.66	.42	.16	
30		.46	.66	1.6	2.8	-----	2.2	2.7	.80	.51	.42	.15	
31		.51	-----	1.5	2.6	-----	11	-----	.80	-----	.42	.14	
TOTAL	13.92	18.02	121.67	79.8	100.5	88.5	108.5	30.53	22.04	16.08	12.48	9.74	
MEAN	.45	.60	3.92	2.57	3.59	2.85	3.62	.98	.73	.52	.40	.32	
MAX	.56	1.3	40	6.6	28	11	17	2.1	2.1	1.5	1.4	3.4	
MIN	.37	.37	.56	1.6	1.5	1.7	1.8	.46	.42	.20	.14	.12	
CFSM	.38	.38	2.47	1.62	2.26	1.80	2.27	.62	.46	.33	.25	.20	
IN.	.33	.42	2.85	1.87	2.35	2.07	2.54	.71	.52	.38	.29	.23	
CAL YR 1961	TOTAL 716.06			MEAN 1.96		MAX 64		MIN .34		CFSM 1.23		IN 16.75	
MAY YR 1962	TOTAL 621.78			MEAN 1.70		MAX 40		MIN .12		CFSM 1.07		IN 14.54	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	.24	.32	1.3	1.8	2.4	1.4	1.7	4.7	1.1	3.0	.66	.19	
2	.55	.32	1.1	1.6	2.4	1.6	1.7	3.2	1.0	2.6	.61	.17	
3	4.0	.32	1.0	1.4	5.1	1.4	1.7	2.4	.80	2.2	.56	.17	
4	1.4	.32	.90	1.4	2.8	1.4	1.7	2.0	.75	1.8	.51	.28	
5	.70	.32	1.0	1.4	2.6	5.0	1.5	1.8	.75	1.5	.42	.37	
6	.56	.32	1.1	1.4	2.2	20	1.8	1.5	.66	1.4	.42	.28	
7	.46	.32	1.0	1.3	2.2	4.4	2.0	1.2	.61	1.6	.37	.28	
8	.70	.32	1.0	1.3	2.1	3.0	1.8	1.2	.56	1.5	.37	.28	
9	.61	.32	.90	1.2	1.8	2.6	1.6	1.1	.56	1.2	.30	.25	
10	.46	1.0	.80	1.1	1.8	2.2	1.5	1.0	.51	1.0	.30	.22	
11	.42	.80	.80	2.8	2.4	2.1	1.5	1.1	.46	1.0	.30	.19	
12	.37	1.4	.75	4.1	2.4	19	1.4	1.0	.42	.80	.28	.18	
13	.32	1.3	.80	2.4	1.8	12	1.4	1.5	.37	.80	.32	.19	
14	.32	.90	.75	2.0	1.7	4.9	1.3	2.8	.32	.90	.37	.30	
15	.32	.75	.70	1.7	1.6	3.8	1.3	1.6	.32	.90	.32	.32	
16	.32	.70	.75	1.6	1.6	3.2	1.3	1.2	.70	.90	.32	.32	
17	.32	.70	.75	1.5	1.5	3.2	1.2	1.1	3.6	.90	.30	.32	
18	.30	1.7	.70	9.7	1.5	2.8	1.2	.90	2.6	.80	.28	.32	
19	.30	1.3	.70	5.2	7.8	2.6	1.1	.75	3.9	.75	.25	.30	
20	.28	1.4	.66	8.0	2.1	3.2	1.2	.75	4.5	1.1	.25	.25	
21	.30	24	.70	5.1	1.8	2.6	1.3	1.3	7.8	1.4	.32	.22	
22	.32	4.7	1.6	3.3	1.3	2.4	1.2	1.1	6.4	.75	.30	.25	
23	.32	2.7	1.2	3.0	1.5	2.4	1.1	.80	5.6	.75	.25	.18	
24	.30	2.1	1.1	2.7	1.5	2.2	1.0	.75	4.0	.80	.22	.18	
25	.30	1.7	4.6	2.2	1.5	2.1	1.0	.75	3.2	1.0	.19	.17	
26	.30	1.6	3.0	2.2	1.4	2.8	.90	1.2	14	.80	.19	.16	
27	.30	1.5	2.2	2.1	1.3	2.4	.80	5.9	9.2	.75	.20	.16	
28	.30	1.4	1.7	2.0	1.3	2.1	5.0	2.6	5.1	.70	.20	4.8	
29	.30	1.4	4.1	1.8	-----	1.8	32	2.2	4.9	.70	.20	2.0	
30	.30	1.4	2.7	2.6	-----	1.8	33	1.6	4.2	.66	.20	.80	
31	.32	-----	2.1	2.6	-----	1.8	-----	1.2	-----	.66	.20	-----	
TOTAL	16.31	58.81	42.46	82.5	61.7	124.2	107.20	52.20	88.89	35.62	9.98	14.04	
MEAN	.53	1.96	1.37	2.66	2.20	4.01	3.57	1.68	2.96	1.15	.32	.47	
MAX	4.0	24	4.6	9.7	7.8	20	33	5.9	14	3.0	.66	4.8	
MIN	.24	.32	.66	1.1	1.3	1.4	.80	1.5	.32	.46	.19	.16	
CFSM	.33	1.23	.86	1.67	1.39	2.52	2.25	1.06	1.86	.72	.20	.29	
IN.	.38	1.38	.99	1.93	1.44	2.91	2.51	1.22	2.08	.83	.23	.33	
CAL YR 1962	TOTAL 585.75			MEAN 1.60		MAX 88		MIN .12		CFSM 1.20		IN 12.70	
MAY YR 1963	TOTAL 693.91			MEAN 1.90		MAX 33		MIN .12		CFSM 1.20		IN 12.70	



## 2-2050 Wildcat Creek near Lawrenceville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.66	.42	1.4	5.6	2.7	2.2	3.0	3.8	2.6	.42	.80	.37
2	.56	.46	1.3	4.3	2.4	9.7	2.8	16	1.4	.46	.75	.30
3	.51	.42	1.6	2.8	2.2	6.7	2.8	22	1.2	.51	.66	.32
4	.51	.42	1.2	2.4	2.1	4.4	2.8	6.2	1.1	.51	.66	.32
5	.46	1.4	1.1	2.1	4.3	6.8	2.8	4.7	1.1	.42	.70	.30
6	.42	1.0	1.0	1.8	5.2	4.0	46	4.0	1.1	.30	.66	.28
7	.37	.56	1.0	2.2	3.2	3.8	25	3.3	1.1	.32	.66	.28
8	.37	.46	1.1	2.0	2.6	4.0	11	3.0	.90	.56	.56	.25
9	.37	.42	1.0	5.0	2.2	3.3	5.6	2.8	.80	.61	.56	.25
10	.37	.37	.90	4.0	2.2	4.0	4.9	2.7	.75	.88	.51	.25
11	.37	.37	5.4	3.3	2.4	3.2	4.0	2.6	.70	.75	.70	.28
12	.37	.37	6.2	3.4	2.1	3.0	3.8	2.6	.70	1.5	.66	1.0
13	.37	.37	4.0	3.2	3.5	2.7	5.6	2.4	1.4	1.1	.56	.66
14	.37	.37	6.2	2.2	3.6	6.2	4.9	2.2	.80	.66	.46	.51
15	.37	.37	3.0	2.0	4.1	24	4.0	2.1	.70	.61	.51	.46
16	.37	.37	2.1	1.9	4.2	6.4	3.8	2.1	.66	3.7	1.1	.46
17	.37	.37	1.7	1.8	3.2	4.7	3.5	1.8	.61	1.1	.90	.42
18	.37	.37	1.5	2.3	3.8	3.3	1.8	.61	1.2	.66	.37	
19	.37	.37	1.3	2.0	4.4	3.5	3.0	1.7	.61	1.3	.51	.37
20	.37	.37	1.3	2.2	3.2	3.8	3.0	1.6	.51	3.8	.42	.46
21	.37	.37	1.2	1.7	2.7	3.8	2.8	1.6	.46	7.1	.46	.37
22	.37	.37	1.2	1.6	2.4	3.0	2.8	1.6	.42	4.2	.51	.32
23	.37	1.0	1.5	1.5	2.2	2.8	2.8	1.6	.73	2.7	1.0	.30
24	.42	.75	1.4	3.2	2.1	3.0	2.8	1.5	.80	1.7	1.1	.28
25	.42	.61	1.4	17	2.8	32	5.0	1.5	.70	1.3	.66	.28
26	.42	1.2	1.5	10	2.7	21	5.1	1.4	.70	1.0	.56	.25
27	.37	3.0	1.5	4.5	2.4	6.4	26	1.3	.61	1.0	.51	.32
28	.37	1.4	1.4	2.8	2.4	4.7	7.6	1.2	1.1	.80	.46	.36
29	.37	5.2	1.4	2.6	2.2	3.8	5.4	1.3	.51	.90	.46	.37
30	.32	1.8	1.3	2.6	-----	3.5	4.4	1.4	.42	1.0	.56	.42
31	.32	-----	1.6	2.7	-----	3.2	-----	1.4	-----	1.0	.42	-----
TOTAL MEAN	12.37	25.33	59.70	106.7	91.3	197.4	210.3	105.2	25.80	43.61	19.70	11.10
MAX	.66	5.2	6.2	3.44	3.18	6.37	46	22	.86	7.1	1.1	1.0
MIN	.32	.37	.90	1.5	2.1	2.2	2.8	1.2	.42	.30	.42	.25
CFSM	.25	.59	1.21	2.16	1.98	4.00	4.61	2.13	.68	.88	.40	.23
IN.	.29	.59	1.40	2.50	2.14	4.62	4.92	2.46	.60	1.02	.46	.26
CAL YR 1963: TOTAL 673.73				MEAN 1.85	MAX 33	MIN .25	CFSM 1.16	IN 17.76				
WAT YR 1964: TOTAL 908.31				MEAN 2.48	MAX 46	MIN .26	CFSM 1.56	IN 21.25				

Note --No gage-height record Dec 27 to Jan 29

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.80	.80	1.3	2.1	2.2	2.0	2.7	1.5	.66	.75	.46	.18
2	.66	.80	1.3	2.7	2.4	3.0	2.4	1.4	.75	.75	.37	1.0
3	.56	.80	1.3	2.0	2.1	2.4	2.4	1.3	.61	.90	.37	.61
4	2.6	.80	11	1.8	2.0	2.8	3.8	1.2	.70	.90	.37	.37
5	7.5	.75	3.3	1.7	2.0	2.6	2.8	1.1	.75	.90	.42	.28
6	2.0	.75	2.0	1.7	2.6	2.2	2.4	1.0	.66	.66	.46	.25
7	1.1	.75	1.7	1.6	5.4	2.1	2.2	1.0	3.9	.80	.46	.25
8	.90	.70	1.5	1.5	3.8	2.1	2.2	1.0	2.2	.75	.90	.25
9	.80	.70	1.4	1.5	3.2	2.0	2.0	1.1	1.3	.66	.66	.25
10	.80	.70	1.3	2.0	3.3	1.8	1.8	1.1	1.1	.70	.46	.42
11	.80	.70	1.5	1.7	3.0	1.8	1.8	1.0	8.8	.80	.37	.37
12	.80	.70	1.7	1.5	4.9	4.0	4.2	1.0	11	1.1	.37	.25
13	.80	.70	1.5	1.5	3.3	2.7	2.4	.90	3.6	1.3	.37	.24
14	.80	.70	1.3	1.5	2.8	2.2	2.0	.75	2.8	1.4	.25	.24
15	2.1	.70	1.2	1.5	2.6	2.1	1.8	.75	4.8	1.3	.28	.25
16	6.3	.70	1.2	1.5	2.4	2.0	1.7	.70	3.5	1.0	.25	.24
17	1.5	.70	1.2	1.4	4.1	7.8	1.6	.66	2.7	.75	.25	.25
18	1.2	.70	1.3	1.4	3.3	5.4	1.6	.66	2.2	.66	.25	.80
19	1.0	.70	1.2	1.4	2.7	3.0	1.8	.66	1.8	2.4	.22	.56
20	1.0	1.3	2.0	1.4	2.2	2.7	1.9	.90	1.6	1.2	.22	.42
21	.90	.90	2.5	1.5	2.2	2.4	1.7	1.1	1.5	.66	.19	.46
22	.90	.80	1.6	1.4	2.1	2.2	1.6	11	1.3	.56	.19	.32
23	.90	.80	1.3	6.4	2.1	2.2	1.5	2.0	1.2	.61	.30	.30
24	.80	1.7	1.2	4.8	2.5	19	1.4	1.4	1.2	.56	.25	.37
25	.80	6.5	4.2	2.8	3.0	12	2.2	1.2	1.2	.56	.24	.37
26	.80	2.0	16	2.6	2.2	11	2.2	1.0	1.1	.56	.22	.32
27	.80	1.5	6.2	2.1	2.1	5.9	5.4	1.1	1.2	.56	.22	.25
28	.80	2.2	3.5	2.0	2.0	4.0	2.3	1.0	1.2	.80	.25	.24
29	.80	1.7	2.8	1.8	-----	3.6	1.9	.75	1.1	.75	.18	.37
30	.80	1.5	2.6	3.4	-----	3.2	1.7	.75	1.0	.56	.17	2.2
31	.80	-----	2.4	2.2	-----	2.8	-----	.66	-----	.46	.17	-----
TOTAL MEAN	43.12	34.75	84.5	63.8	78.8	125.2	67.4	41.64	67.34	26.32	10.14	12.68
MAX	1.39	1.16	2.73	2.06	2.8	4.04	2.25	1.34	2.24	.88	.33	.52
MIN	.56	.70	1.2	1.4	2.0	1.8	1.4	.66	.61	.46	.17	.18
CFSM	.87	.73	1.71	1.29	1.77	2.54	1.41	.84	1.41	.53	.21	.27
IN.	1.01	.81	1.98	1.49	1.84	2.93	1.58	.97	1.58	.62	.24	.30
CAL YR 1964: TOTAL 973.28				MEAN 2.64	MAX 46	MIN .25	CFSM 1.67	IN 22.76				
WAT YR 1965: TOTAL 655.69				MEAN 1.80	MAX 19	MIN .17	CFSM 1.13	IN 15.34				

Note --Doubtful or no gage-height record Oct 5 to Nov 7

2-2055 Pew Creek near Lawrenceville, Ga

Location --Lat 35°56'05", long 84°01'00", on right bank 20 ft upstream from highway bridge, 1 mile upstream from highway bridge, 1 mile upstream from Redland Creek and 2½ miles southwest of Lawrenceville, Gwinnett County

Drainage area --2 23 sq mi

Records available --October 1953 to September 1963 (discontinued)

Gage --Water-stage recorder Altitude of gage is 930 ft above mean sea level (by barometer)

Average discharge --10 years, 2 64 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (65 cfs), water years 1961-63											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 20, 1961	2200	424	5 85	June 21, 1961	1500	371	5 20	Apr 12, 1962	0900	120	3 16
Feb 23, 1961	0700	178	3 69	June 26, 1961	0800	172	5 63	Aug 13, 1962	2000	140	3 37
Feb 25, 1961	0200	* 532	6 35	Aug 24, 1961	1200	121	3 17				
Mar 8, 1961	0900	117	3 13					Nov 21, 1962	1600	156	3 55
Mar 31, 1961	0800	364	5 33	Dec 10, 1961	1400	178	3 64	Jan 18, 1963	0600	75	2 68
Apr 9, 1961	1500	102	2 98	Dec 12, 1961	1000	* 345	5 07	Mar 5, 1963	2400	75	2 70
Apr 12, 1961	0700	352	4 88	Dec 18, 1961	0500	332	4 99	Mar 12, 1963	2200	215	4 00
Apr 15, 1961	2200	107	3 03	Feb 22, 1962	-	254	4 29	Apr 29, 1963	2100	* 438	5 67
Apr 27, 1961	0500	286	4 57	Mar 11, 1962	2400	79	2 71	June 26, 1963	2200	93	2 88
May 10, 1961	2300	100	2 95	Mar 31, 1962	1300	92	2 89	Sept 28, 1963	1800	67	2 58

Annual minimum discharge, water years 1961-63							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Nov 21, 1960	0.60	-	1963	Sept 12, 1963	0 35	-
1962	Sept 6, 1962	22	-				

1953-63 Maximum discharge, 615 cfs July 15, 1956 (gage height, 6 96 ft), from rating curve extended above 80 cfs on basis of slope-area measurement at gage height 5 95 ft, minimum, 0 12 cfs Aug 11, 1957

Remarks --Records fair except those above 40 cfs, which are poor

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.0	.99	.63	1.8	.99	7.7	4.9	3.0	1.8	4.8	1.3	1.7
2	.93	.76	.63	1.2	.99	5.4	3.7	2.9	1.8	4.5	1.3	1.5
3	.90	.71	.63	1.1	.96	3.9	3.9	2.8	1.7	4.8	1.3	1.4
4	.81	.68	.63	1.0	.93	3.8	3.6	2.6	1.8	4.6	1.3	1.3
5	1.0	.68	.63	.99	.87	3.7	3.0	2.6	1.8	4.1	1.3	1.2
6	1.1	.68	.63	.96	.90	4.4	2.8	2.6	1.7	4.1	1.3	1.2
7	1.1	.68	.63	.93	3.0	34	2.6	2.6	1.7	4.9	1.5	1.2
8	2.3	.68	.63	.90	2.5	20	2.4	2.4	1.6	3.4	3.8	1.2
9	4.3	.71	.63	.87	1.8	5.0	8.2	3.0	1.6	3.1	2.0	1.1
10	1.4	.90	.63	.84	1.5	3.9	3.1	13	1.7	2.8	1.4	1.1
11	1.0	.76	2.3	.84	1.4	3.4	2.7	7.6	1.7	3.1	1.3	1.1
12	.90	.72	1.1	.84	1.4	3.1	41	3.5	1.6	2.7	1.2	1.1
13	.87	.72	.87	.99	1.2	3.4	3.1	3.2	1.6	2.9	1.2	1.1
14	.87	.70	.84	2.5	1.2	3.1	2.6	3.0	1.9	2.0	2.6	1.6
15	.81	.66	.99	1.4	1.2	2.7	7.2	2.9	2.4	2.0	1.4	1.2
16	.81	.66	.84	1.2	1.2	2.6	3.7	2.8	2.1	2.3	1.4	1.1
17	.73	.66	.81	1.1	1.1	2.4	2.9	2.7	1.7	2.2	1.3	1.0
18	.73	.66	.78	1.0	9.1	2.7	2.8	2.6	1.6	2.3	1.2	1.0
19	.73	.63	.76	2.0	6.6	2.5	2.7	2.4	1.4	2.2	1.2	1.2
20	1.2	.63	.81	1.4	65	2.4	2.6	2.7	4.6	2.1	1.4	1.2
21	.84	.63	1.2	1.2	118	4.4	2.6	2.3	65	1.7	1.6	1.0
22	.81	.63	.90	1.1	1.6	3.0	2.5	2.7	6.6	1.6	1.4	1.0
23	.78	1.2	.93	1.1	34	2.7	2.4	2.7	4.4	1.6	1.6	.99
24	.73	.87	.90	1.0	75	2.5	2.3	2.2	4.1	1.4	20	.99
25	.71	.76	.90	.96	201	2.3	2.2	2.3	4.0	1.4	4.7	.99
26	.71	.76	.90	1.1	26	2.2	2.5	2.4	25	1.4	3.1	.99
27	.76	.73	.90	1.1	15	2.2	38	2.2	9.8	1.4	2.6	.96
28	.73	.73	.87	.99	11	2.3	3.3	2.0	6.6	1.4	2.2	.96
29	.73	.71	.87	1.0	-----	2.2	3.0	2.0	5.4	1.4	1.8	.93
30	.71	.66	1.2	1.0	-----	2.3	3.0	1.9	5.4	1.4	1.9	.93
31	1.6	-----	1.8	1.0	-----	86	-----	1.8	-----	1.3	2.0	-----
TOTAL	32.60	21.95	27.77	35.41	599.84	232.2	171.3	95.4	174.1	80.9	73.6	34.24
MEAN	1.05	.73	.90	1.14	21.4	7.49	5.71	3.08	5.80	2.61	2.37	1.14
MAX	4.3	1.2	2.3	2.5	201	86	41	13	65	4.9	20	1.7
MIN	.71	.63	.63	.84	.87	2.2	2.2	1.8	1.4	1.3	1.2	.93
CFSM	.47	.33	.40	.51	9.61	3.36	2.96	1.38	2.60	1.17	1.06	.51
IN.	.54	.37	.46	.59	10.0	3.87	2.86	1.59	2.90	1.35	1.23	.57

CAL YR 1960: TOTAL 821.55 MEAN 2.44 MAX 201 MIN .28 CFSM 1.92 IN 18.87

## 2-2055 Pew Creek near Lawrenceville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.93	.96	.90	2.9	2.9	3.5	13	2.6	1.6	.90	.66	.38
2	.93	.96	.90	2.4	2.6	3.0	6.3	2.5	1.8	.88	.68	.38
3	1.1	.99	.90	2.2	2.5	2.9	5.0	2.4	1.6	.84	.73	.35
4	1.0	1.0	.93	2.1	2.4	2.8	4.6	2.3	1.5	.93	.68	.33
5	.96	1.1	.93	2.9	2.4	2.8	4.5	2.2	2.1	.84	.58	.35
6	.93	1.3	1.2	13	2.3	2.7	7.6	2.2	1.6	3.0	.53	.35
7	.93	.96	1.0	4.4	2.2	2.5	4.8	2.1	1.5	1.4	.72	1.1
8	.93	.93	.96	3.4	2.3	2.4	4.4	2.1	1.6	1.0	.71	.71
9	.93	.93	.93	3.0	2.4	3.3	3.6	2.0	1.4	1.2	.50	.63
10	.87	.96	27	2.8	2.1	7.4	3.3	2.0	1.5	.84	.50	.60
11	.87	.96	3.3	2.6	2.0	16	9.6	2.0	1.5	.78	.50	.53
12	.87	.96	93	2.6	2.0	18	28	2.0	2.1	.84	.50	.48
13	.87	.96	10	2.5	2.0	6.0	9.8	1.9	3.7	.76	6.7	.48
14	.87	1.2	4.2	2.4	2.0	4.7	6.8	1.8	1.7	.68	1.8	.45
15	.87	1.1	3.5	3.1	2.0	4.1	5.4	1.8	1.5	.66	1.0	.50
16	.87	1.1	3.0	2.5	2.0	3.6	4.6	1.7	1.5	.66	.84	1.1
17	.87	.96	4.5	2.3	2.1	3.3	3.1	1.7	1.6	.58	.76	1.6
18	.87	.90	4.2	2.5	2.3	3.1	3.7	1.7	1.5	.58	.81	.68
19	.87	.90	5.4	6.0	2.5	3.0	3.5	1.6	1.4	.53	.78	.58
20	.87	.87	3.9	5.0	2.1	2.9	3.3	1.6	1.7	.56	.68	.56
21	.90	.87	3.2	3.5	10	4.0	3.1	1.6	1.5	.53	.63	.50
22	.90	.87	2.8	3.1	60	2.9	3.0	1.6	1.3	.45	.76	.50
23	.90	2.4	2.6	4.0	15	2.8	2.9	1.6	1.2	.40	.73	.53
24	.90	1.4	2.4	3.1	25	2.7	2.8	1.6	1.2	.45	.71	.50
25	.93	1.0	2.2	2.9	8.0	4.2	3.3	1.5	1.2	1.1	.66	.53
26	.93	.99	2.2	2.8	6.0	6.9	3.4	1.4	1.6	.85	.63	1.1
27	.93	.96	2.5	3.1	5.0	3.6	2.9	1.4	1.3	.68	.56	.86
28	.90	.93	2.4	13	4.0	3.1	2.8	1.4	1.2	.68	.50	.63
29	.93	.93	2.1	4.0	-----	2.9	3.7	1.6	1.1	.78	.45	.56
30	.93	.93	2.0	3.4	-----	3.9	2.8	1.5	.96	.76	.42	.56
31	.96	-----	2.0	3.0	-----	20	-----	1.6	-----	.71	.40	-----
TOTAL	28.32	31.28	234.85	116.5	178.1	155.0	166.6	57.0	46.96	25.85	27.11	18.41
MEAN	.91	1.04	7.58	3.76	6.36	5.00	5.55	1.84	1.57	.83	.87	.61
MAX	1.1	2.4	93	13	60	20	28	3.7	3.0	6.7	1.6	1.6
MIN	.87	.87	.90	2.1	2.0	2.4	2.8	1.4	.96	.40	.40	.33
CFSM	.41	.47	3.40	1.69	2.85	2.24	2.49	.82	.70	.37	.39	.28
IN.	.47	.52	3.92	1.94	2.97	2.58	2.78	.95	.78	.43	.45	.31
CAL YR 1961-1962	TOTAL	1,793.44	MEAN	4.91	MAX	201	MIN	.84	CFSM	2.20	IN	22.88
WAT YR 1962	TOTAL	1,085.98	MEAN	2.98	MAX	93	MIN	.33	CFSM	2.33	IN	18.11

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.56	.66	1.0	2.1	2.7	2.1	2.0	25	1.7	3.1	1.4	.58
2	1.2	.68	1.0	1.9	2.7	1.9	2.0	10	1.6	2.9	1.2	.58
3	1.0	.71	1.0	1.8	8.4	1.8	2.0	3.6	1.4	2.5	1.1	.56
4	.81	.71	1.1	1.7	3.6	1.8	1.9	3.0	1.4	2.2	1.0	.60
5	.66	.68	1.2	1.6	3.0	4.6	1.8	2.6	1.4	2.0	1.0	.66
6	.60	.66	1.2	1.6	2.8	16	2.5	3.4	1.3	2.8	.99	.60
7	.58	.68	1.1	1.5	2.6	4.8	2.6	2.9	1.2	2.6	.96	.66
8	2.5	.71	1.1	1.5	2.4	3.5	2.0	2.2	1.2	2.4	.96	.63
9	.96	2.5	1.0	1.6	2.2	3.0	1.9	1.9	1.1	2.0	.90	.53
10	.76	1.1	.99	1.4	2.2	2.7	1.8	1.7	1.0	1.7	.90	.56
11	.73	.90	.99	6.5	3.7	2.5	1.7	1.9	1.0	1.5	.84	.50
12	.73	1.7	1.0	5.8	3.4	36	1.7	1.7	1.0	1.4	.81	.48
13	.71	1.2	1.0	2.8	2.6	20	1.6	3.6	1.0	1.4	.87	.53
14	.71	.96	.96	2.2	2.4	8.0	1.5	6.3	1.0	1.6	.87	2.1
15	.68	.93	.99	2.0	2.3	4.7	1.5	2.6	.96	1.5	.81	1.4
16	.68	.90	1.2	1.8	2.2	4.1	1.5	2.1	1.7	2.5	.81	.99
17	.66	.96	1.1	1.7	2.1	4.3	1.4	1.8	4.8	2.6	.78	.84
18	.63	1.9	.96	17	2.0	1.5	1.4	1.6	3.6	2.2	.73	.84
19	.60	1.0	.93	8.2	6.8	3.2	1.4	1.5	6.0	2.1	.73	.81
20	.60	1.5	.96	13	3.3	3.8	1.6	1.6	9.2	3.1	.84	.73
21	.68	41	.96	6.6	2.8	2.9	1.4	1.6	10	3.4	1.0	.68
22	.73	5.6	2.1	4.1	2.5	2.7	1.3	1.4	7.3	1.8	.87	.66
23	.66	2.7	1.3	3.7	2.4	2.6	1.2	1.4	6.4	1.7	.76	.63
24	.60	2.1	1.3	3.0	2.4	2.5	1.2	1.3	5.3	1.7	.66	.60
25	.63	1.6	9.8	2.7	2.2	2.4	1.3	1.4	3.7	1.9	.66	.60
26	.63	1.4	4.6	2.6	2.2	4.3	1.2	1.8	16	1.6	.66	.58
27	.68	1.3	2.8	2.6	2.0	2.7	1.2	8.3	13	1.4	.73	.60
28	.68	1.2	2.3	2.2	2.0	2.4	7.4	3.5	5.0	1.3	.78	16
29	.68	1.1	7.5	2.2	-----	2.2	78	3.1	4.1	1.3	.76	3.6
30	.68	1.0	3.7	3.2	-----	2.2	60	2.2	3.5	1.8	.76	1.6
31	.68	-----	2.6	2.9	-----	2.1	-----	1.9	-----	1.6	.66	-----
TOTAL	23.69	80.04	59.74	113.3	81.9	161.3	190.0	108.9	117.86	63.6	26.80	40.73
MEAN	.76	2.67	1.93	3.63	2.93	5.20	6.33	3.51	3.93	2.08	.86	1.30
MAX	2.5	41	9.8	17	8.4	36	78	25	16	3.4	1.4	16
MIN	.56	.66	.93	1.4	2.0	1.8	1.2	1.3	.96	1.3	.66	.48
CFSM	.34	1.20	.86	1.66	1.31	2.33	2.84	1.58	1.76	.92	.39	.61
IN.	.40	1.33	1.00	1.89	1.37	2.69	3.17	1.82	1.97	1.06	.45	.68
CAL YR 1962-1963	TOTAL	955.00	MEAN	2.62	MAX	60	MIN	.33	CFSM	1.17	IN	15.93
WAT YR 1963	TOTAL	1,067.86	MEAN	2.93	MAX	78	MIN	.48	CFSM	1.31	IN	17.81

## 2-2060 Shetley Creek near Norcross, Ga

Location --Lat 33°57'20", long 84°09'40", on right bank 150 ft upstream from highway bridge, 1 mile upstream from mouth and 2 8 miles northeast of Norcross, Gwinnett County

Drainage area --0 98 sq mi

Records available --October 1953 to September 1963 (discontinued)

Gage --Water-stage recorder Altitude of gage is 890 ft above mean sea level (from topographic map)

Average discharge --10 years, 1 09 cfs

Extremes --Maximum and minimum discharges for the water years 1961-63 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 21, 1961	a 2,320	b 10 4	Sept 20, 1961	0 18	-
1962	Dec 18, 1961	74	5 73	Sept 5, 6, 1962	12	-
1963	Mar 5, 1963	140	4 45	Sept 26, 1963	18	-

a Flow increased by failure of dam upstream

b From floodmark

1953-63 Maximum discharge, 2,320 cfs Feb 21, 1961 (gage height, 10 4 ft, from floodmark), from rating curve extended above 25 cfs on basis of slope-area measurements at gage height 6 37 ft and at peak flow Flow increased by failure of dam upstream, minimum, 0 01 cfs Sept 12, 13, Oct 6, 1954

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

Revisions (water years) --WSP 1704 1956(M)

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.37	.39	.28	1.2	.55	2.0	3.6	1.1	.64	.68	.34	.56
2	.30	.34	.28	.71	.55	1.8	2.2	1.6	.62	.62	.33	.47
3	.27	.34	.28	.62	.56	1.6	2.3	1.0	.60	.60	.31	.47
4	.23	.36	.28	.53	.56	1.4	1.9	.92	.53	.58	.34	.45
5	.30	.37	.28	.49	.51	1.4	1.6	.90	.55	.53	.31	.37
6	.44	.37	.28	.47	.53	1.5	1.4	.90	.53	.49	.37	.41
7	.41	.39	.28	.44	1.3	4.1	1.3	.88	.51	.67	.58	.42
8	.66	.41	.28	.44	1.2	5.7	1.2	.80	.49	.64	.55	.30
9	3.5	.41	.28	.39	.88	2.8	3.2	1.0	.47	.49	.51	.21
10	1.3	.45	.28	.36	.66	1.9	2.1	.98	.47	.42	.42	.27
11	.83	.42	.82	.36	.56	1.6	1.5	3.9	.47	.53	.39	.36
12	.62	.42	.56	.36	.53	1.5	10	2.4	.47	.74	.34	.23
13	.49	.42	.39	.46	.51	2.0	3.3	1.8	.47	1.0	.31	.42
14	.41	.33	.36	.90	.51	1.7	2.2	1.4	.49	.83	.30	.62
15	.37	.31	.39	.73	.51	1.4	2.8	1.2	.61	.60	.30	.49
16	.34	.28	.45	.62	.51	1.3	2.8	1.0	.60	.58	.30	.33
17	.34	.27	.34	.56	.49	1.2	1.9	.92	.53	1.0	.27	.31
18	.28	.27	.34	.53	3.3	1.5	1.6	.90	.49	.80	.27	.90
19	.31	.27	.34	.84	4.8	1.3	1.4	.88	.47	.68	.26	.42
20	.68	.27	.34	.83	12	1.3	1.3	.78	2.2	.64	.28	.18
21	.36	.27	.53	.71	80	2.3	1.3	.73	3.6	.55	.75	.21
22	.33	.27	.37	.55	4.5	1.6	1.2	1.3	1.2	.51	.55	.24
23	.30	.42	.34	.55	7.0	1.4	1.2	1.2	1.1	1.2	1.1	.23
24	.27	.33	.34	.53	15	1.2	1.2	.90	1.0	.60	1.7	.23
25	.26	.31	.36	.53	50	1.1	1.1	.90	.88	.51	1.9	.22
26	.27	.31	.36	.68	7.0	1.0	1.6	1.0	3.9	.47	5.1	.22
27	.28	.30	.37	.68	3.0	1.0	8.0	.85	2.0	.42	1.6	.21
28	.28	.30	.39	.58	2.3	1.1	2.9	.76	1.2	.42	.92	.21
29	.28	.30	.41	.58	-----	1.1	1.7	.73	.92	.39	.64	.20
30	.28	.28	.47	.56	-----	1.1	1.2	.71	.76	.37	.58	.20
31	.42	-----	.88	.55	-----	14	-----	.66	-----	.37	.56	-----
TOTAL	15.78	10.18	11.95	18.34	199.82	65.9	71.0	35.00	28.77	18.93	22.48	10.36
MEAN	.51	.34	.39	.59	7.14	2.13	2.37	1.13	.96	.61	.73	.35
MAX	3.5	.45	.88	1.2	80	14	10	3.9	3.9	1.2	5.1	.90
MIN	.23	.27	.28	.36	.49	1.0	1.1	.66	.47	.37	.26	.18
CFSM	.52	.35	.39	.60	7.28	2.17	2.42	1.15	.98	.62	.74	.35
IN.	.60	.39	.45	.70	7.58	2.50	2.69	1.33	1.09	.72	.85	.39

CAL YR 1960- TOTAL 375.63 MEAN 1.03 MAX 18 MIN 1.12 CFSM 1.05 IN 14.25  
WAT YR 1961- TOTAL 508.51 MEAN 1.39 MAX 80 MIN 1.18 CFSM 1.42 IN 14.30

Note --No gage-height record Feb 21 to Mar 2

## 2-2060 Shetley Creek near Norcross, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.					
1	.28	.28	.33	1.4	1.7	2.0	12	1.1	.44	.34	.39	.18					
2	.28	.28	.33	1.2	1.6	1.9	4.1	1.0	.42	.33	.34	.16					
3	.34	.28	.33	1.1	1.4	1.8	2.1	.90	.41	.31	.33	.16					
4	.33	.30	.34	1.1	1.1	1.7	1.9	.90	.41	.31	.31	.16					
5	.30	.30	.36	1.4	1.5	1.6	1.8	.85	.81	.48	.27	.16					
6	.30	.36	.49	3.4	1.3	1.6	2.3	.80	.45	3.5	.26	.14					
7	.31	.37	.44	2.0	1.2	1.5	2.1	.78	.44	.66	.30	.96					
8	.34	.36	.34	1.6	1.3	1.4	7.9	.42	.73	.51	.43	.34					
9	.31	.33	.34	1.4	1.4	2.0	1.6	.71	.41	.49	.24	.33					
10	.31	.33	3.2	1.4	1.4	4.4	1.4	.71	.44	.42	.21	.30					
11	.31	.34	2.9	1.3	1.2	7.7	5.6	.71	.45	.42	.21	.26					
12	.31	31	32	1.2	1.2	5.6	12	2.3	.64	2.2	.39	.22					
13	.30	.31	5.6	1.2	1.2	3.1	12	.64	2.2	.36	2.7	.22					
14	.31	.31	2.3	1.2	1.2	2.4	2.5	.64	1.8	.34	1.9	.22					
15	.31	.39	1.8	1.5	1.1	2.1	2.1	.60	1.5	.34	.66	.22					
16	.31	.47	1.5	1.3	1.3	1.9	1.9	.72	.42	.34	.58	.22					
17	.30	.42	3.4	1.2	1.2	1.7	1.7	.68	.44	.33	.42	.95					
18	.30	.34	13	1.5	1.4	7.2	1.6	.58	.42	.31	.33	.39					
19	.28	.33	3.4	3.0	1.8	1.4	1.5	.56	.39	.31	.30	.26					
20	.28	.33	2.2	2.2	1.3	1.4	1.5	.53	.47	.31	.27	.23					
21	.28	.31	1.7	1.8	2.9	1.6	1.4	.53	.44	.30	.26	.22					
22	.28	.31	1.5	1.6	25	1.3	1.4	.51	.39	.30	.28	.22					
23	.28	1.1	1.5	2.6	6.2	1.3	1.3	.51	.37	.30	.28	.22					
24	.28	.76	1.3	1.9	8.4	4.2	1.3	.51	.34	2.8	.31	.21					
25	.28	.55	1.2	1.7	4.0	2.0	1.7	.45	.36	2.3	.24	.22					
26	.28	.47	1.2	1.6	3.1	3.0	1.6	.44	.39	1.3	.23	.43					
27	.28	.44	1.3	2.0	2.5	1.8	1.4	.44	.42	.49	.22	.36					
28	.28	.39	1.5	1.5	2.2	1.6	1.1	.39	.20	.20	.20	.20					
29	.28	.37	1.2	3.2	-----	1.4	2.7	.42	.37	.42	.18	.22					
30	.28	.36	1.2	2.3	-----	1.7	1.4	.42	.34	.58	.18	.26					
31	.28	-----	1.2	1.8	-----	12	-----	.47	-----	.61	.16	-----					
TOTAL	9.16	11.78	89.42	61.1	81.90	86.3	93.1	19.91	18.85	18.25	13.10	8.91					
MEAN	.30	.39	2.88	1.91	2.60	2.78	3.10	.64	.63	.69	.42	.28					
MAX	.34	1.1	32	9.0	25	12	12	1.1	2.3	3.5	2.7	.96					
MIN	.28	.28	.33	1.1	1.1	1.3	1.3	.41	.34	.28	.16	.14					
CFSM	.30	.40	2.94	2.01	2.56	2.84	3.17	.66	.66	.60	.43	.30					
IM.	.35	.45	3.39	2.32	3.09	3.27	3.53	.76	.72	.69	.50	.33					
CAL YR	1961	1962	TOTAL	580.96	511.08	MEAN	1.59	MAX	80	MIN	.18	CFSM	1.43	IN	22.05	IM	.42

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.39	.24	.80	1.1	1.6	1.4	1.3	3.4	.83	3.4	.71	.21
2	1.5	.24	.70	1.0	1.6	1.4	1.2	2.1	.73	2.0	.62	.21
3	10	.24	.64	.90	4.8	1.2	1.2	1.7	.71	1.6	.56	.21
4	.85	.23	.60	.88	1.2	1.2	1.2	1.4	.62	1.1	.56	.33
5		.23	.68	.83	1.7	3.6	1.1	1.3	.66	1.2	.51	.49
6	.56	.26	.66	.78	1.5	21	1.5	1.2	.62	1.5	.51	.40
7	.45	.27	.56	.78	1.4	3.5	1.3	1.0	.60	1.4	.49	.35
8	.58	.28	.78	1.3	2.3	1.1	1.1	1.0	.56	1.2	.49	.32
9	.67	1.1	.56	.71	1.1	1.9	1.0	.95	.56	1.0	.45	.30
10	.41	.58	.51	.71	1.1	1.6	.98	.90	.53	.88	.44	.25
11	.37	.44	.53	3.8	1.6	1.5	.90	.90	.49	.85	.44	.21
12	.37	1.2	.49	3.8	1.7	2.0	.90	.85	.47	.83	.44	.21
13	.34	.76	.44	1.8	1.3	11	.85	1.1	.44	.80	.51	.25
14	.34	.60	.47	1.3	1.2	3.9	.83	2.5	.44	.98	.55	.30
15	.34	.55	.47	1.1	1.1	2.6	.78	1.3	.42	.90	.47	.35
16	.33	.55	.56	.98	1.0	2.2	.78	1.0	.99	1.2	.49	.37
17	.34	.58	.56	.92	1.0	2.2	.83	.90	4.2	1.0	.47	.37
18	.31	1.1	.51	9.1	1.0	1.9	.80	.83	1.7	.88	.47	.33
19	.28	.76	.51	3.5	4.5	1.7	.83	.73	2.0	.63	.44	.33
20	.28	.90	.51	5.7	2.3	1.9	.90	.78	12	1.7	.47	.30
21	.31	24	.53	3.4	1.8	1.6	.78	.80	10	1.6	.49	.27
22	.27	5 0	1.1	2.0	1.4	1.4	.76	.73	9.5	.90	.41	.26
23	.24	2.6	.73	1.9	1.4	1.3	.68	.66	9.4	.78	.36	.24
24	.24	2.1	.68	1.4	1.5	1.3	.62	.66	5.1	.78	.23	.24
25	.23	1.6	5.3	1.3	1.3	1.3	.66	.66	4.3	.95	.31	.22
26	.24	.88	2.5	1.3	1.3	2.5	.71	.83	8.9	.78	.24	.20
27	.24	.78	1.5	1.3	1.1	1.8	.66	4.0	5.3	.71	.24	.22
28	.24	.60	2.0	1.0	1.1	1.6	3.1	1.3	3.2	4.2	.47	.62
29	.24	.70	3.6	1.0	-----	1.4	23	1.7	2.8	.73	24	2.2
30	.24	.90	2.1	1.7	-----	1.3	21	1.1	6.5	1.1	.23	.80
31	.26	-----	1.4	1.7	-----	1.3	-----	.95	-----	.85	.22	-----
TOTAL	23.29	50.28	31.96	58.47	45.68	104.88	72.27	39.83	94.65	35.36	13.40	16.86
MIN	1.08	1.03	1.03	1.09	1.09	1.08	1.01	1.01	1.01	1.19	.71	.39
MAX	10	24	5.3	9.1	4.8	21	23	4.0	12	3.4	.49	6.2
MIN	.23	.23	.44	.71	1.0	1.2	.62	.66	.42	.71	.22	.20
CFSM	.77	1.71	1.05	1.92	1.67	3.45	2.46	1.31	3.22	1.16	.44	.58
IN.	.68	1.91	1.21	2.22	1.74	3.98	2.74	1.51	3.59	1.34	.51	.64
CAL YR	1962	TOTAL	506.25	MEAN 1.39	MAX 25	MIN .14	CFSM	1.42	IN 19.21			
VAL YR	1963	TOTAL	587.07	MEAN 1.61	MAX 24	MIN .20	CFSM	1.64	IN 22.28			

## 2-2065 Yellow River near Snellville, Ga

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

Drainage area --134 sq mi

Records available --October 1942 to September 1965

Gage --Digital water-stage recorder Altitude of gage is 810 ft above mean sea level (by barometer)  
Prior to Nov 4, 1952, staff gage and Nov 4, 1952, to May 23, 1965, graphic water-stage recorder at same site and datum

Average discharge --23 years, 166 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (2,100 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 22, 1961	0100	3,110	10 8	Nov 22, 1962	-	2,110	7 9	Mar 26, 1964	1600	4,150	13 3
Feb 25, 1961	2200	* 9,080	19 1	Mar 15, 1963	1800	2,590	9 3	Apr 7, 1964	0900	* 5,640	15 7
June 21, 1961	1700	2,320	8 5	Apr 30, 1963	1900	* 5,930	16 1	Apr 28, 1964	0200	2,860	10 1
Dec 13, 1961	0900	* 3,430	11 7	Jan 26, 1964	0100	3,580	12 1	May 3, 1964	1700	2,960	10 1
Feb 23, 1962	0700	3,000	10 5	Mar 16, 1964	0300	2,690	9 6	Dec 27, 1964	0900	* 1,660	6 53

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Oct 26, 1960	34	-	1964	Oct 30, 1963	35	-
1962	Sept 7, 1962	16	-	1965	Sept 28, 29, 1965	25	-
1963	Sept 27, 1963	24	-				

1942-65 Maximum discharge, 9,500 cfs Nov 29, 1948 (gage height, 19 4 ft, from floodmark), minimum, 1 5 cfs Oct 9, 1954

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

Revisions (water years) --WSP 1032 1943(M) WSP 1112 1944-45(M) WSP 1384 1949(M), 1952(M), drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	82	80	45	158	80	395	1,400	215	85	142	54	121
2	61	56	48	119	78	332	440	238	80	121	50	105
3	51	48	48	98	77	281	320	198	78	109	48	95
4	44	44	48	82	70	241	344	173	80	109	74	85
5	43	43	49	78	67	198	255	160	150	96	61	78
6	66	44	48	77	66	187	212	158	107	91	56	75
7	82	42	49	75	115	368	190	155	90	88	88	72
8	100	42	49	72	195	566	171	145	80	128	116	67
9	334	42	48	74	155	471	244	160	72	95	273	64
10	192	49	48	72	125	305	365	173	72	85	109	61
11	113	55	104	70	109	249	246	566	74	80	82	62
12	82	51	117	61	90	223	858	440	77	107	69	61
13	67	49	85	59	85	212	980	305	91	145	58	62
14	59	51	72	113	82	238	410	226	85	163	74	80
15	58	51	69	115	80	203	314	190	140	153	62	113
16	54	50	70	96	95	171	486	160	218	132	58	80
17	50	49	61	83	85	150	347	140	138	142	51	67
18	46	49	58	78	150	158	267	130	107	119	46	59
19	44	49	56	85	550	166	223	130	90	152	42	59
20	74	46	55	125	788	148	200	115	89	135	45	67
21	64	45	67	102	2,320	192	187	109	1,230	105	91	62
22	52	45	61	83	2,250	200	173	109	1,220	91	197	56
23	49	61	54	86	1,250	168	166	153	395	98	102	52
24	45	80	58	80	1,250	145	160	125	410	107	533	50
25	40	66	56	72	5,900	132	150	111	252	86	632	46
26	38	59	56	77	4,460	123	176	119	599	80	599	44
27	41	56	54	82	718	121	822	119	566	72	425	42
28	40	55	52	75	502	121	822	103	338	62	232	39
29	39	56	50	77	-----	123	356	98	252	98	153	38
30	39	54	62	75	-----	121	252	91	190	67	119	38
31	48	-----	69	80	-----	1,020	-----	86	-----	58	130	-----
TOTAL	2,197	1,567	1,866	2,679	21,792	7,728	11,536	5,400	7,435	3,333	4,729	2,000
MEAN	70.9	52.2	60.2	86.4	778	249	385	174	249	108	153	66.7
MAX	334	80	117	158	5,900	1,020	1,400	566	1,230	163	632	121
MIN	38	42	45	59	66	121	150	86	72	58	42	38
CFSM	.53	.39	.45	.64	5.81	1.86	2.87	1.30	1.85	.80	1.14	.50
IN.	.61	.43	.52	.74	6.05	2.14	3.20	1.50	2.07	.93	1.31	.56

CAL YR 1960- TOTAL 53,567 MEAN 146 MAX 2,140 MIN 13 CFSM 1.02 IN 26.86  
MAY YR 1961- TOTAL 72,282 MEAN 198 MAX 5,900 MIN 38 CFSM 1.46 IN 26.86

## 2-2065 Yellow River near Snellville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	38	37	51	155	220	264	1,530	203	69	46	48	19
2	37	38	51	153	192	220	550	181	72	43	39	18
3	41	39	51	138	187	206	350	158	67	40	46	18
4	49	42	51	128	160	192	273	158	59	48	40	18
5	43	46	52	125	158	184	238	145	75	50	36	19
6	39	49	59	438	155	168	276	138	78	188	31	17
7	39	52	70	368	135	163	440	132	83	302	38	26
8	38	48	59	267	132	155	326	125	69	148	41	54
9	37	42	55	215	138	187	249	121	58	100	37	39
10	38	42	302	195	132	220	218	117	55	77	30	32
11	35	43	649	171	123	649	200	117	59	64	25	30
12	34	43	1,630	163	119	1,020	400	113	67	69	21	27
13	34	45	3,020	150	117	566	1,000	109	194	70	52	25
14	34	51	675	150	115	350	486	102	119	56	308	26
15	31	59	410	176	111	281	350	100	82	49	91	29
16	31	66	293	181	123	241	278	95	69	48	58	34
17	31	64	302	150	123	212	244	91	64	54	87	87
18	32	56	1,230	138	115	195	218	90	88	42	42	67
19	32	52	1,280	279	168	190	203	86	66	38	39	38
20	30	49	440	317	142	181	192	80	61	36	35	29
21	32	49	276	258	206	229	179	77	80	35	34	25
22	32	50	220	212	1,540	206	171	74	64	32	56	24
23	33	84	195	229	2,620	181	168	70	51	29	44	24
24	32	115	173	238	1,380	168	163	66	48	28	39	24
25	33	83	155	212	770	190	163	62	44	57	34	26
26	33	77	142	200	471	440	226	59	46	171	31	37
27	30	66	140	200	377	347	206	55	100	82	28	67
28	32	59	179	677	320	258	171	52	72	52	26	45
29	34	54	153	550	-----	215	232	55	62	52	24	38
30	35	52	130	335	-----	203	249	56	54	51	22	35
31	36	-----	128	261	-----	589	-----	67	-----	56	20	-----
TOTAL	1,085	1,652	12,821	7,429	10,539	8,870	9,949	3,146	2,175	2,208	1,469	997
MEAN	35.0	55.1	414	240	376	286	332	101	72.5	71.2	47.4	33.2
MAX	49	115	3,020	677	2,620	1,020	1,530	203	194	302	308	87
MIN	30	37	51	125	111	153	52	44	28	40	30	17
CFSM	-26	-41	3.09	1.79	2.81	2.14	2.47	-76	-54	-53	-35	-25
IN.	.30	.46	3.56	2.06	2.92	2.46	2.76	.87	.60	.61	.41	.28
CAL YR 1961	TOTAL	82,210	MEAN	225	MAX	5,900	MIN	30	CFSM	1.68	IN	22.82
WAT YR 1962	TOTAL	62,340	MEAN	171	MAX	3,020	MIN	17	CFSM	1.27	IN	17.30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	31	35	96	180	200	161	129	2,790	167	398	119	33
2	45	35	92	157	190	155	125	534	139	334	100	32
3	115	37	88	145	392	139	123	328	119	218	85	31
4	240	36	82	127	322	135	121	245	106	175	75	32
5	143	35	80	121	242	151	113	208	106	155	72	39
6	75	34	120	115	205	1,250	131	175	96	143	65	37
7	52	35	80	111	182	1,120	167	163	91	200	64	34
8	60	35	76	109	165	370	147	145	87	163	59	35
9	67	250	76	104	153	275	133	135	80	145	56	32
10	50	110	76	98	147	240	127	125	76	125	53	29
11	43	90	76	111	195	210	121	119	70	115	48	28
12	42	110	76	442	272	418	115	113	65	109	47	26
13	42	150	80	290	208	2,010	111	115	62	104	50	26
14	41	100	85	200	175	1,020	106	307	59	107	73	34
15	39	70	90	159	159	404	104	222	54	111	58	85
16	39	60	85	141	147	295	102	159	65	119	50	59
17	39	50	80	131	141	275	102	131	261	163	48	47
18	36	100	72	705	139	258	100	117	270	171	46	42
19	34	150	70	599	348	220	100	106	265	137	45	42
20	33	200	67	752	328	232	109	102	370	121	45	37
21	36	400	67	632	245	202	115	107	582	242	58	33
22	45	1,000	123	350	195	175	104	109	822	147	54	31
23	40	500	115	272	175	163	96	96	980	111	47	30
24	34	250	98	230	175	89	89	94	550	111	42	29
25	33	160	306	192	169	151	89	91	314	161	39	25
26	32	140	406	188	171	200	94	102	390	143	37	25
27	33	120	250	190	161	208	87	609	980	115	37	25
28	33	110	180	161	161	167	178	534	566	102	47	106
29	39	110	275	149	151	151	1,400	345	348	115	43	518
30	34	100	336	175	-----	141	4,910	250	328	121	45	192
31	37	-----	232	225	-----	135	-----	200	-----	145	39	-----
TOTAL	1,656	4,612	4,035	7,561	5,762	11,186	9,548	8,876	8,468	4,826	1,746	1,774
MEAN	53.4	154	130	244	206	361	318	286	282	156	56.3	59.1
MAX	240	1,000	406	752	392	2,010	4,910	2,750	980	398	119	518
MIN	31	34	67	98	139	135	87	91	54	102	37	25
CFSM	.40	1.15	.97	1.82	1.54	2.69	2.38	2.14	2.11	1.16	.42	.44
IN.	.46	1.28	1.12	2.10	1.60	3.10	2.65	2.46	2.35	1.34	.48	.49
CAL YR 1962	TOTAL	57,085	MEAN	156	MAX	2,620	MIN	17	CFSM	1.17	IN	15.84
WAT YR 1963	TOTAL	70,050	MEAN	192	MAX	4,910	MIN	25	CFSM	1.43	IN	19.44

Note --No gage-height record Nov 1 to Dec 17

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	151	75	123	222	192	195	290	169	87	79	55	26
2	106	75	113	208	238	222	268	155	84	74	53	29
3	62	75	113	210	202	240	252	147	82	75	45	72
4	98	73	503	200	198	272	359	137	84	87	41	58
5	616	73	599	188	192	260	404	129	100	84	41	4
6	328	72	298	180	190	232	334	125	105	75	77	39
7	173	72	208	173	518	210	282	121	192	88	121	34
8	119	75	169	167	487	208	262	117	526	204	86	31
9	100	76	155	165	350	190	242	115	250	158	87	28
10	89	73	147	173	311	178	225	200	165	108	68	33
11	80	72	159	188	285	167	215	141	408	95	56	66
12	76	72	173	171	376	339	568	165	872	55	61	49
13	73	72	169	165	367	599	475	475	81	81	41	35
14	72	72	147	155	356	280	325	177	254	79	48	35
15	87	70	137	151	314	235	250	109	374	138	42	32
16	566	72	125	151	282	212	252	104	410	100	51	31
17	350	73	123	153	300	325	284	80	800	46	33	43
18	190	75	143	149	442	1,080	198	98	218	70	41	32
19	131	75	129	149	364	616	215	109	170	65	37	76
20	109	94	198	149	298	345	228	104	149	96	34	51
21	100	89	235	149	262	265	192	133	133	71	36	37
22	92	76	188	151	240	180	202	142	152	32	51	31
23	89	73	167	379	225	230	169	345	115	67	31	30
24	83	100	161	1,080	220	550	161	188	111	57	31	30
25	80	566	457	518	308	910	159	146	109	55	30	32
26	78	350	735	317	275	805	235	129	101	64	34	30
27	76	205	1,460	210	242	1,120	240	96	74	33	29	26
28	78	188	582	212	212	582	364	126	106	82	31	29
29	80	180	342	192	-----	427	235	111	95	96	28	26
30	78	145	270	218	-----	370	185	98	87	76	27	36
31	75	-----	240	228	-----	314	-----	92	-----	62	26	-----
TOTAL	4,505	3,458	8,764	7,157	8,344	11,996	8,381	4,591	6,364	2,689	1,685	1,148
MAX	145	115	283	2,031	2,98	387	279	5,591	212	86.7	47.9	38.3
MEAN	616	566	1,460	1,080	518	1,120	599	502	872	204	121	76
MIN	72	70	113	149	190	167	159	92	82	55	26	26
CFSM	1.08	.86	2.11	1.72	2.22	2.89	2.08	1.11	1.58	.65	.36	.29
IN.	1.25	.96	2.43	1.99	2.32	3.33	2.33	1.27	1.77	.75	.41	.32
CAL YR	1964.	TOTAL	105,663	MEAN	289	MAX	4,590	MIN	36	CFSM	1.41	IN 29.32
WAT YR	1965.	TOTAL	68,982		189		1,460					



## ALTAMAHA RIVER BASIN

2-2070 Garner Creek near Snellville, Ga

Location --Lat 33°51'45", long 84°05'50", on left bank 100 ft downstream from highway culvert, 0.9 mile upstream from mouth, and 4.5 miles west of Snellville, Gwinnett County

Drainage area --5.54 sq mi

Records available --October 1953 to September 1963 (discontinued)

Gage --Water-stage recorder Altitude of gage is 830 ft above mean sea level (from topographic map)

Average discharge --10 years, 6.28 cfs

Extremes --Maximum and minimum discharges for the water years 1961-63 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 25, 1961	1,630	4.3	Aug 18, 19, 1961	1.2	-
1962	Dec 18, 1961	580	2.90	Sept 6, 7, 1962	1.3	-
1963	Apr 29, 1963	1,530	4.19	Several days	1.8	-

a Minimum daily

1953-63 Maximum discharge, 1,630 cfs Feb 25, 1961 (gage height, 4.3 ft), from rating curve extended above 63 cfs on basis of culvert measurement at gage height 2.98 ft and slope-area measurement at gage height 4.3 ft, minimum, 0.58 cfs Sept 3, Oct 7, 1954

Revisions --Maximum discharges for the water years 1954-59, some of which were published previously, are contained in the following table

WSP	Water year	Date	Discharge (cfs)	Gage height (feet)	WSP	Water year	Date	Discharge (cfs)	Gage height (feet)
1554	1954	Jan 16, 1954	694	2.98	-	a 1957	Apr 5, 1957	390	2.35
-	a 1955	Feb 6, 1955	510	2.62	-	a 1958	Feb 27, 1958	189	1.74
1554	1956	Mar 16, 1956	727	3.09	-	a 1959	July 16, 1959	232	1.89

a Not previously published

Remarks --Records good except those for periods of doubtful or no gage-height record, which are poor

Revisions --Revised figures of discharge, in cubic feet per second, for the water years 1954-59, superseding figures published in WSP 1554, 1624, are given herewith

Dec 4, 1953	38	June 25, 1955	30	July 16, 1956	31	Jan 24, 1958	33
12	28	July 21	17	Sept 25	51	Feb 6	67
13	14	Feb 4, 1956	20	Dec 23	14	7	32
14	22	5,	17	24	22	27	47
Jan 21, 1954	18	6	35	Jan 4, 1957	14	9	32
22	30	20	24	5	23	26	23
23	13	Mar 15	42	25	25	Apr 6	29
Feb 20	18	16	158	Mar 24	32	15	49
Apr 24	23	17	22	25	44	16	35
Jan 1, 1955	31	Apr 11	18	Apr 4	24	17	14
2	16	15	36	5	102	June 15	18
10	20	16	42	6	19	July 8	24
11	44	May 3	31	July 3	23	Feb 13, 1959	50
12	23	6	71	Nov 19	22	14	15
13	16	7	20	23	22	15	16
Feb 6	92	July 1	19	25	31	May 30	33
7	30	8	39	29	16	31	43
Mar 19	19	9	18	Dec 8	20	June 1	21
Apr 14	32	15	33	20	37	2	17
						July 16	35

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
December 1953	269.5	38	3.4	8.69	1.57	1.81
January 1954	338.6	100	4.4	10.9	1.97	2.27
February	147.5	18	3.4	5.27	95	99
April	154.5	23	3.1	5.48	99	1.10
Water year 1953-54	1,582.84	100	6	4.34	78	10.61
Calendar year 1954	1,313.51	100	57	3.60	65	8.81
January 1955	326.8	44	3.7	10.5	1.90	2.19
February	261.0	92	3.7	9.32	1.68	1.75
March	180.1	19	3.4	5.16	93	1.07
April	193.0	32	3.4	6.43	1.16	1.29
June	124.0	30	2.4	4.13	75	83
July	118.0	17	2.4	3.81	69	79
Water year 1954-55	1,591.22	92	57	4.36	79	10.66
Calendar year 1955	1,583.45	92	85	4.34	78	10.61
February 1956	231.2	35	2.6	7.97	1.44	1.55
March	379.4	158	3.7	12.2	2.20	2.54
April	253.7	42	3.4	8.46	1.53	1.71
May	227.8	71	2.0	7.35	1.35	1.53
July	246.8	39	2.2	7.96	1.44	1.66
September	105.35	51	85	3.51	63	71
Water year 1955-56	1,814.85	158	85	4.96	90	12.19
December 1956	130.3	22	2.4	4.20	76	87
Calendar year 1956	1,922.75	158	85	5.25	95	12.91

2-2070 Garner Creek near Snellville, Ga --Continued

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
January 1957	219 3	25	3 1	7 07	1 28	1 48
March	223 6	32	4 0	7 21	1 30	1 50
April	327 0	102	4 0	10 9	1 97	2 20
July	103 8	23	2 0	3 35	81	70
Water year 1956-57	1,689 1	102	85	4 65	84	11 35
November 1957	208 2	32	2 2	6 94	1 25	1 40
December	217 2	37	3 7	7 01	1 27	1 46
Calendar year 1957	1,910 9	102	85	5 24	95	12 84
January 1958	199 7	33	4 0	6 44	1 16	1 34
February	293 7	67	3 1	10 5	1 90	1 98
March	312 2	32	5 6	10 1	1 82	2 10
April	342 8	49	6 1	11 4	2 06	2 30
June	114 4	18	2 6	3 81	69	77
July	196 9	24	2 4	6 35	1 15	1 33
Water year 1957-58	2,335 4	67	1 6	6 40	1 16	15 70
Calendar year 1958	2,078 1	67	1 6	5 69	1 03	13 98
February 1959	229 1	50	3 7	8 18	1 48	1 54
May	189 1	43	3 1	6 10	1 10	1 27
June	148 8	21	2 2	4 96	90	1 00
July	109 7	35	1 6	3 54	64	74
Water year 1958-59	1,596 9	50	1 0	4 38	79	10 74
Calendar year 1959	1,708 2	50	1 0	4 68	85	11 48

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.1	3.7	3.4	6.6	3.7	11	40	11	4.2	6.6	5.3	9.8
2	2.8	3.4	3.4	4.5	3.7	9.3	30	12	4.0	6.1	2.6	7.7
3	2.6	3.1	3.4	4.1	3.7	8.8	20	10	4.0	5.3	2.0	6.1
4	2.4	2.8	3.7	4.1	3.7	8.2	12	9.0	4.0	4.9	3.1	5.3
5	2.8	2.8	4.1	3.7	3.4	7.7	9.0	6.4	7.5	4.1	2.4	5.3
6	3.4	2.8	3.7	3.7	3.4	8.8	8.0	8.0	6.0	3.7	2.6	4.1
7	3.4	2.8	3.7	3.7	7.7	24	8.0	7.6	5.0	4.1	6.6	3.7
8	9.8	2.8	3.7	3.7	8.2	29	10	7.4	4.5	4.1	18	3.4
9	22	2.8	3.4	2.8	6.6	16	13	8.4	3.8	3.4	31	3.4
10	6.6	3.7	3.4	2.6	5.3	13	19	9.4	3.5	3.1	16	3.4
11	5.3	3.7	5.7	2.8	4.9	12	13	29	3.7	3.7	9.3	3.4
12	4.1	3.4	3.7	2.8	4.5	11	40	23	4.0	5.7	4.9	3.7
13	3.7	3.4	3.4	3.1	4.5	11	50	15	4.5	6.1	2.4	3.7
14	3.4	3.4	3.1	5.3	4.5	10	30	10	4.2	5.3	1.6	5.3
15	3.4	3.4	3.4	4.5	4.1	10	17	8.0	6.0	4.1	1.4	5.3
16	3.4	3.4	3.1	4.5	3.7	9.0	25	7.0	7.0	4.5	1.8	3.7
17	3.4	3.3	3.1	4.5	3.7	8.0	16	6.2	5.7	4.5	1.3	3.4
18	3.1	3.2	3.1	4.1	14	8.0	13	5.7	4.5	3.4	1.2	3.4
19	3.1	3.1	3.1	4.9	28	8.5	11	4.5	3.7	4.1	1.2	3.4
20	3.7	3.1	3.1	4.9	97	8.0	10	4.5	6.6	4.5	1.4	3.4
21	3.4	3.2	3.4	4.5	118	10	9.5	4.5	100	4.1	4.1	3.7
22	3.1	3.5	3.4	4.5	27	10	9.0	4.6	32	4.1	6.1	3.4
23	3.1	3.8	3.1	4.1	70	9.0	8.5	5.4	37	9.3	4.1	3.1
24	2.8	4.3	3.1	4.1	109	8.0	8.0	7.0	35	4.9	56	3.1
25	2.8	3.7	3.1	3.7	374	7.0	7.5	5.6	23	4.1	57	3.1
26	2.8	3.6	3.1	4.1	31	6.6	9.0	5.3	64	3.7	37	2.8
27	2.8	3.5	3.1	4.1	16	6.4	42	5.0	20	3.4	17	2.8
28	2.8	3.4	3.1	4.1	14	6.2	41	4.8	14	29	14	2.8
29	2.8	3.4	3.1	4.1	-----	6.2	25	4.7	9.3	30	13	2.8
30	2.8	3.4	3.7	3.7	-----	10	15	4.6	7.7	15	11	2.6
31	4.1	-----	4.5	3.7	-----	60	-----	4.5	-----	8.8	13	-----
TOTAL	128.8	99.9	107.4	125.8	977.3	370.7	568.5	260.1	438.4	207.7	348.4	121.4
MEAN	4.15	3.33	3.46	4.06	34.9	12.0	19.0	8.39	14.6	6.70	11.2	4.05
MAX	22	4.3	5.7	6.6	374	60	50	29	100	30	57	9.8
MIN	2.4	2.8	3.1	2.8	3.4	6.2	7.5	4.5	3.5	3.1	1.2	2.6
CFSM	.75	.60	.63	.73	6.30	2.16	3.42	1.51	2.64	1.21	2.03	.73
IN.	.86	.67	.72	.84	6.56	2.49	3.82	1.75	2.94	1.39	2.34	.81

CAL YR 1960: TOTAL 2,398.4 MEAN 6.55 MAX 90 MIN 1.2 CFSM 1.18 IN 16.10  
 MAY YR 1961: TOTAL 3,754.4 MEAN 10.3 MAX 374 MIN 1.2 CFSM 1.86 IN 25.20

Note --Doubtful or no gage-height record Mar 12 to June 30

2-2070 Garner Creek near Snellville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.6	2.4	2.8	6.3	8.2	8.6	35	6.7	4.5	2.8	2.2	1.4
2	2.6	2.4	2.8	5.9	7.8	7.8	17	5.9	3.9	2.6	2.1	1.4
3	3.4	2.4	2.8	5.9	7.4	7.8	15	5.6	3.7	2.6	2.1	1.4
4	3.9	2.8	2.8	5.6	7.0	7.4	13	5.6	3.4	3.4	2.1	1.4
5	3.9	3.1	2.8	6.7	7.0	7.4	15	5.3	3.4	2.6	1.9	1.4
6	3.9	3.1	3.1	20	6.7	7.0	20	5.1	3.7	14	1.9	1.6
7	3.9	3.7	3.4	11	6.3	7.0	15	5.1	3.7	5.6	2.8	2.4
8	3.9	2.6	3.1	8.9	6.3	6.7	13	5.1	3.1	4.2	3.4	2.4
9	3.9	2.4	2.8	7.8	6.3	7.4	11	4.8	3.1	3.4	2.4	2.2
10	3.7	2.4	20	7.4	6.3	12	9.3	4.5	3.1	3.1	2.2	2.1
11	3.7	2.4	13	7.0	5.9	31	33	4.5	3.4	3.1	2.1	1.9
12	3.7	2.4	157	7.0	5.9	45	82	4.5	3.8	3.7	2.1	1.9
13	3.7	2.4	34	6.7	5.9	14	28	4.2	12	3.1	3.9	1.8
14	3.4	2.6	17	6.3	5.6	11	16	4.2	5.1	2.6	3.7	2.4
15	3.4	2.8	17	7.0	5.6	9.7	12	4.2	4.2	2.4	2.8	2.2
16	3.4	3.1	14	6.7	5.9	8.6	10	3.9	4.2	2.6	2.4	4.6
17	3.4	3.1	20	6.3	5.9	8.2	9.7	3.9	4.5	2.4	2.4	4.9
18	3.4	2.8	109	5.9	5.9	8.9	9.3	3.7	4.2	2.4	2.2	2.6
19	3.4	2.8	17	16	7.4	8.6	8.6	3.4	3.7	2.4	2.1	2.2
20	3.4	2.8	11	12	5.9	8.2	8.2	3.4	3.7	2.2	2.1	2.2
21	3.4	2.8	9.3	9.3	11	11	7.8	3.4	3.9	2.2	3.7	2.1
22	3.7	2.8	8.2	8.6	181	9.0	7.8	3.1	3.4	2.1	2.8	2.1
23	3.7	5.4	7.8	9.7	36	8.0	7.8	3.4	3.1	1.9	2.4	2.1
24	3.4	4.5	7.0	8.9	72	7.6	7.8	3.4	3.1	1.9	2.2	2.1
25	3.1	3.4	6.7	8.6	19	12	7.4	3.4	3.1	5.6	2.1	2.1
26	2.8	3.1	6.3	8.2	15	20	7.4	3.1	6.5	3.7	1.9	3.4
27	2.8	3.1	6.3	7.8	12	10	7.4	3.1	4.8	2.4	1.9	3.1
28	2.6	3.1	6.7	29	10	9.0	7.4	2.8	3.9	2.4	1.6	2.4
29	2.6	2.8	6.3	14	-----	8.4	7.8	3.1	3.7	2.4	1.6	2.2
30	2.4	2.8	5.9	11	-----	11	7.0	3.1	3.1	2.4	1.6	2.2
31	2.4	-----	5.9	8.9	-----	55	-----	4.6	-----	2.2	1.6	-----
TOTAL	103.5	88.3	51.8	290.4	485.2	393.3	455.7	130.1	123.0	100.4	72.5	68.2
MEAN	3.34	2.94	17.2	9.37	17.3	12.7	15.2	4.20	4.10	3.24	2.38	2.27
MAX	3.9	4.4	157	29	181	55	82	6.7	12	14	3.9	4.9
MIN	2.4	2.4	2.8	5.6	5.6	6.7	7.0	2.8	3.1	1.9	1.6	1.4
CFSM	.60	.53	3.10	1.69	3.13	2.29	2.74	.76	.74	.58	.42	.41
IN.	.69	.59	3.57	1.95	3.26	2.64	3.06	.87	.83	.67	.49	.46
CAL YR 1961	TOTAL 4,141.9			MEAN 11.3		MAX 374		CFSM 2.05		IN 27.80		
WAT YR 1962	TOTAL 2,842.4			MEAN 7.79		MAX 181		CFSM 1.41		IN 19.08		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	2.2	2.0	3.2	5.6	7.5	5.6	5.2	17	6.1	39	7.1	2.8	
2	4.1	2.0	3.0	4.9	7.5	5.6	5.2	10	5.7	19	9.3	2.5	
3	5.7	2.0	3.0	4.6	17	5.2	5.0	7.7	5.3	14	6.1	2.3	
4	4.1	2.0	3.0	4.4	9.7	4.9	5.0	6.1	4.9	10	5.3	2.4	
5	3.0	2.0	3.2	4.4	7.9	10	4.8	5.3	4.5	9.3	4.9	2.6	
6	2.7	2.0	3.5	4.1	7.5	46	6.0	4.5	4.1	11	4.5	2.5	
7	2.4	2.2	3.2	4.1	7.2	14	6.5	4.5	3.7	10	4.5	2.6	
8	2.4	2.0	3.2	4.1	6.4	9.1	6.0	4.1	3.4	8.2	4.5	2.4	
9	2.4	4.7	3.2	3.8	5.6	8.3	5.5	3.7	3.1	7.7	4.5	2.2	
10	2.0	3.0	3.0	3.8	5.6	7.5	5.2	3.4	2.8	7.1	4.1	2.1	
11	2.0	2.7	3.0	12	11	7.2	5.0	3.4	2.8	6.6	3.7	2.0	
12	2.0	3.2	2.7	16	9.7	75	4.7	3.1	2.6	6.6	3.7	2.0	
13	2.0	3.2	2.7	8.3	7.9	43	4.5	3.7	2.4	6.1	3.7	2.0	
14	2.0	3.0	2.7	6.4	7.2	17	4.4	8.8	2.2	6.6	4.5	5.4	
15	1.8	3.0	2.7	6.0	6.4	12	4.3	4.9	2.0	7.1	3.7	4.5	
16	2.0	3.0	2.7	5.2	6.4	10	4.2	3.7	2.6	7.1	3.7	3.5	
17	1.8	3.0	2.7	4.9	6.0	12	4.2	3.4	20	11	3.4	3.2	
18	2.0	3.8	2.7	52	5.6	9.7	4.1	3.1	25	18	3.4	2.8	
19	1.8	3.5	2.7	23	17	8.7	4.2	3.1	15	10	3.4	2.8	
20	1.8	3.8	2.7	40	9.7	8.3	4.4	2.8	16	11	3.4	2.6	
21	1.8	6.8	2.7	22	8.3	7.9	4.6	3.1	15	11	3.7	2.2	
22	2.0	16	4.4	13	7.2	7.5	4.4	3.1	35	8.2	3.4	2.2	
23	2.0	6.8	3.8	11	6.8	7.5	4.2	2.8	52	10	3.1	2.2	
24	1.8	4.9	3.5	8.7	6.8	7.2	4.5	2.8	16	9.8	3.1	2.2	
25	2.0	4.4	14	7.9	6.4	7.2	5.2	2.7	12	18	2.8	2.0	
26	1.8	4.1	9.7	7.5	6.4	8.7	6.0	5.0	30	9.3	2.8	2.0	
27	2.0	3.8	6.4	7.5	5.6	7.2	7.0	170	30	8.2	3.1	2.0	
28	1.8	3.5	5.6	6.8	5.2	6.0	10	42	17	7.1	3.1	2.4	
29	2.0	3.5	13	6.0	-----	5.6	254	23	14	7.1	3.1	17	
30	2.0	3.5	9.1	7.5	-----	5.2	215	9.8	117	8.2	3.1	10	
31	2.0	-----	6.8	7.9	-----	5.2	-----	6.6	-----	7.7	2.8	-----	
TOTAL	71.4	113.4	137.8	323.4	221.5	394.3	613.3	377.2	463.2	339.0	125.5	121.0	
MEAN	2.30	3.78	4.45	10.4	7.91	17.7	20.4	12.2	15.4	10.9	4.05	4.09	
MAX	5.7	16	14	52	17	75	254	170	117	99	9.3	24	
MIN	1.8	2.0	2.7	5.2	4.9	4.1	2.7	2.0	6.1	2.8	2.0	2.0	
CFSM	.42	.68	.80	1.88	1.43	2.30	3.69	2.20	2.79	1.97	.73	.73	
IN.	.48	.76	.93	2.17	1.49	2.65	4.12	2.53	3.11	2.28	.84	.81	
CAL YR 1962	TOTAL 2,441.4			MEAN 6.69		MAX 181		MIN 1.4		CFSM 1.21		IN 16.39	
WAT YR 1963	TOTAL 3,301.0			MEAN 9.04		MAX 254		MIN 1.8		CFSM 1.63		IN 22.16	

MONTH-END ELEVATION AND CONTENTS, WATER YEARS OCTOBER 1960 TO SEPTEMBER 1965

\* Elevation at 0700 on the day following that shown in date column

## 2-2113 Towaliga River near Jackson, Ga

Location --Lat 33°16', long 84°04', on downstream side of bridge on State Highway 16, 3 miles upstream from Cabin Creek and 6.5 miles west of Jackson, Butts County

Drainage area --105 sq mi, approximately

Records available --June 1960 to September 1965

Gage --Digital water-stage recorder Prior to May 14, 1964, graphic water-stage recorder at same site and datum

Average discharge --5 years, 155 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,500 cfs), June 1960 to September 1965											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
June 22, 1960	1100	* 365	4 85	Mar 12, 1962	1700	1,500	9 33	Mar 15, 1964	2000	* 4,200	13 85
July 21, 1961	0600	2,160	10 72	Jan 20, 1963	2300	1,750	9 78	Apr 7, 1964	0900	3,540	12 92
Feb 25, 1961	2100	* 4,220	13 89	Mar 13, 1963	0700	2,190	10 78	Apr 28, 1964	0800	3,080	12 25
Apr 1, 1961	0700	3,630	13 04	May 1, 1963	0200	2,820	11 86	May 5, 1964	1500	2,820	11 86
Feb 23, 1962	1000	* 2,720	11 70	June 20, 1963	1300	* 3,450	12 78	Oct 5, 1964	1745	* 1,480	9 15
				June 27, 1963	1300	2,790	11 82				

Annual minimum discharge, June 1960 to September 1965							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1960	Sept 14, 1960	16	-	1965	Nov 4, 1962	20	-
1961	Oct 25, 1960	19	-	1964	Oct 13, 1963	22	-
1962	Sept 6, 7, 1962	20	-	1965	Aug 31, Sept 1, 1965	29	-

1960-65 Maximum discharge, 4,220 cfs Feb 25, 1961 (gage height, 13 89 ft), minimum, 16 cfs Sept 14, 1960

Remarks --Records fair Some diurnal fluctuation at low flow caused by milldam above station

DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1960

DAY	JUNE	JULY	AUG	SEPT	DAY	JUNE	JULY	AUG	SEPT	DAY	JUNE	JULY	AUG	SEPT
1	43	36	28	28	11	47	40	35	24	21	51	34	24	22
2	45	35	27	86	12	45	35	52	22	22	221	29	24	21
3	48	34	28	37	13	45	33	64	23	23	73	28	27	18
4	50	34	29	21	14	44	30	43	20	24	56	70	23	20
5	47	42	30	24	15	43	28	38	20	25	48	50	24	20
6	50	70	32	25	16	42	27	45	24	26	45	35	22	20
7	60	68	29	22	17	40	26	30	26	27	44	27	22	28
8	100	60	26	22	18	41	28	27	27	28	44	35	23	56
9	60	42	66	22	19	41	32	25	25	29	45	38	21	66
10	50	50	88	22	20	40	34	25	24	30	44	32	23	40
										31	-----	30	22	-----
TOTAL											1,652	1,192	1,022	855
MEAN											55.1	38.5	33.0	28.5
MAX											221	70	88	86
MIN											40	26	21	18
CFSM											53	37	31	27
IN											59	42	36	30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	31	29	27	90	47	210	3,200	160	114	102	44	118
2	27	27	27	66	46	180	550	395	110	96	42	102
3	28	26	26	48	44	158	259	298	91	85	39	90
4	24	26	27	40	44	140	254	167	92	78	39	73
5	24	24	31	36	42	131	200	140	88	72	42	85
6	25	26	29	36	41	126	167	131	102	68	59	200
7	31	27	31	35	67	441	149	126	96	67	398	122
8	32	28	30	35	122	455	136	114	88	126	410	92
9	47	27	29	34	97	292	185	131	80	131	220	80
10	37	27	29	34	72	190	195	220	76	82	144	75
11	31	28	33	32	62	154	149	636	74	79	102	74
12	29	27	37	32	57	136	471	694	72	140	85	72
13	28	29	33	33	54	131	487	350	68	162	74	68
14	26	30	31	54	52	136	242	220	66	136	66	69
15	26	29	33	72	50	118	482	176	63	102	60	83
16	26	27	37	54	48	106	455	154	80	88	58	74
17	26	26	35	43	48	98	276	131	85	83	52	62
18	26	29	33	38	311	110	190	122	83	76	48	48
19	26	28	33	40	1,160	118	162	118	72	70	46	56
20	29	28	32	51	1,650	106	144	106	75	78	51	60
21	27	28	35	46	1,910	106	136	98	349	102	60	57
22	29	29	36	38	935	106	126	718	785	106	139	52
23	25	28	33	36	593	96	118	455	384	74	89	50
24	26	31	32	38	720	89	114	242	172	76	414	49
25	24	32	33	37	3,540	85	110	194	136	65	970	47
26	24	29	33	56	2,340	82	168	650	167	57	345	44
27	24	29	33	48	420	80	441	353	110	50	176	43
28	24	30	32	70	259	84	593	215	276	53	140	40
29	25	30	32	57	-----	90	270	162	162	76	114	48
30	24	30	36	54	-----	84	172	140	118	55	98	40
31	27	-----	43	50	-----	1,280	-----	122	-----	48	102	-----
TOTAL	853	844	1,000	1,473	14,831	5,718	10,601	7,415	4,400	2,685	4,786	2,173
MEAN	27.5	28.1	32.3	47.5	470	184	353	217	140	86.6	152	66.4
MAX	47	32	43	90	3,540	1,280	3,200	694	785	162	970	200
MIN	24	24	26	32	41	80	110	98	63	48	39	40
CFSM	26	27	31	45	5.04	1.76	3.37	2.28	1.40	.82	1.45	.69
IN	30	30	35	52	5.25	2.03	3.75	2.63	1.56	.95	1.67	.77

CAL YR 1960: TOTAL 56,719 MEAN 155 MAX 3,540 MIN 24 CFSM 1.48 IN 20.09

## 2-2113 Towliga River near Jackson, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	42	48	122	149	180	1,020	136	400	60	50	27
2	34	43	48	118	136	195	444	126	250	53	44	25
3	40	29	48	96	126	195	254	114	783	48	38	26
4	42	37	48	88	122	172	205	114	194	57	39	25
5	40	38	50	89	118	154	185	110	122	58	34	24
6	39	38	60	150	114	140	205	110	118	170	36	24
7	40	47	400	106	136	136	337	102	102	540	45	20
8	38	37	300	102	131	259	98	102	209	45	34	30
9	38	35	50	200	106	131	200	96	87	548	32	31
10	38	36	55	150	102	144	176	92	96	136	31	31
11	35	36	106	122	98	334	185	94	154	94	29	30
12	35	38	375	118	94	1,330	690	92	122	89	27	41
13	35	40	1,160	106	94	706	967	85	102	78	46	50
14	35	47	492	106	93	281	350	83	96	70	195	65
15	33	52	314	114	91	226	254	80	77	62	80	122
16	33	57	276	122	131	190	210	77	68	60	53	65
17	34	54	215	106	140	167	190	72	79	57	43	82
18	34	47	314	98	106	154	180	71	98	54	39	46
19	35	44	337	395	106	149	172	68	76	52	37	33
20	35	43	200	593	102	144	158	66	72	45	37	31
21	36	42	136	314	147	180	149	63	80	43	33	29
22	36	42	122	195	1,200	176	144	61	67	39	38	28
23	37	69	114	176	2,430	144	140	60	59	37	47	27
24	39	110	106	190	696	136	136	57	56	38	71	29
25	36	74	96	162	410	162	149	55	53	51	49	26
26	36	57	90	149	259	314	303	53	48	61	40	87
27	35	52	88	140	215	248	215	51	54	48	39	106
28	35	51	96	380	195	176	162	50	114	42	32	49
29	36	50	90	300	-----	158	158	48	102	61	32	36
30	38	48	80	210	-----	149	149	67	71	62	30	35
31	38	-----	79	167	-----	446	-----	700	-----	57	27	-----
TOTAL	1,133	1,428	5,417	5,976	7,788	7,548	8,346	3,131	3,902	3,079	1,404	1,282
MEAN	36.5	47.6	175	193	278	243	278	101	130	99.3	45.3	42.7
MAX	42	110	1,160	593	2,430	1,330	1,020	700	783	548	195	122
MIN	33	29	48	88	91	131	136	68	68	37	27	24
CFSM	.35	.45	1.66	1.84	2.65	2.32	2.65	.96	1.24	.95	.43	.41
IN.	.40	.51	1.92	2.12	2.76	2.67	2.96	1.11	1.38	1.09	.50	.45

CAL YR 1961: TOTAL 56,090 MEAN 170 MAX 3,230 MIN 27 CFSM 1.32 IN 71.86

WAT YR 1962: TOTAL 56,497 MEAN 155 MAX 2,980 MIN 24 CFSM 1.29 IN 71.87

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	33	27	74	78	140	110	118	1,850	82	314	106	38
2	36	27	69	74	131	114	114	304	73	195	90	37
3	65	34	66	70	232	106	114	190	68	149	80	34
4	132	24	66	68	220	106	110	154	64	122	74	33
5	68	31	65	66	158	126	102	131	61	110	70	38
6	44	29	67	66	136	549	106	118	58	112	65	39
7	36	29	63	120	634	120	114	55	472	71	36	36
8	36	32	61	66	114	254	122	98	53	555	58	36
9	38	74	60	64	106	185	110	92	54	254	60	35
10	43	91	58	62	98	158	106	86	52	158	56	32
11	30	55	57	67	149	149	102	82	47	126	52	31
12	30	50	55	292	292	252	96	76	50	114	51	29
13	29	67	55	292	176	1,970	94	78	46	102	49	26
14	29	52	55	140	140	935	89	122	43	98	64	35
15	29	45	55	110	122	314	88	149	43	102	66	68
16	29	44	55	98	110	220	88	98	56	102	61	60
17	28	43	55	92	106	205	87	83	131	126	58	48
18	28	54	55	590	102	259	85	72	176	126	53	43
19	27	85	54	1,130	291	205	84	66	454	136	50	40
20	26	90	54	1,380	303	226	85	64	2,800	110	50	39
21	27	207	54	1,380	185	180	95	70	782	162	79	36
22	31	593	61	515	149	149	88	66	365	114	65	36
23	29	310	64	248	131	136	80	60	440	95	54	38
24	27	131	59	185	140	131	73	56	292	185	49	31
25	26	106	102	140	140	126	76	53	302	276	46	30
26	27	96	110	136	122	190	86	60	555	176	44	30
27	26	86	87	154	114	205	80	80	2,100	144	41	30
28	28	79	76	131	110	154	88	134	772	114	45	120
29	30	81	85	110	-----	136	190	254	264	118	45	430
30	29	82	114	126	-----	126	2,000	136	220	114	45	130
31	29	-----	88	162	-----	122	-----	97	-----	136	40	-----
TOTAL	1,115	2,754	2,999	8,159	4,343	8,732	4,896	5,089	10,558	5,217	1,837	1,688
MEAN	36.0	91.8	97.7	259	135	263	163	163	352	117	59.3	56.3
MAX	132	593	114	1,380	303	1,970	2,000	1,850	2,800	555	106	430
MIN	26	24	54	62	98	106	73	53	43	95	40	26
CFSM	.34	.87	.64	2.51	1.48	2.48	1.55	3.35	1.60	.56	.54	.54
IN.	.39	.98	.74	2.89	1.54	3.09	1.73	1.80	3.74	1.85	.65	.60

CAL YR 1962: TOTAL 48,424 MEAN 153 MAX 2,430 MIN 24 CFSM 1.29 IN 71.87

WAT YR 1963: TOTAL 56,497 MEAN 155 MAX 2,980 MIN 24 CFSM 1.29 IN 71.87

## 2-2113 Towaliga River near Jackson, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	68	32	78	222	160	144	144	228	102	196	85	48
2	51	36	64	210	139	318	139	474	123	555	74	45
3	45	37	61	187	125	1,060	139	2,660	98	171	68	43
4	42	36	58	226	120	570	169	983	90	170	68	42
5	40	39	54	210	130	521	139	366	86	186	177	42
6	38	67	52	176	264	354	1,180	270	87	94	130	40
7	37	59	51	246	210	246	3,080	238	98	76	87	41
8	36	45	53	228	176	210	745	222	93	71	75	39
9	36	42	56	775	144	192	470	198	88	75	69	38
10	35	42	52	965	134	228	300	187	84	145	68	41
11	41	42	60	360	144	192	246	176	81	178	136	55
12	35	41	363	264	134	160	216	170	77	262	126	231
13	30	39	318	228	134	149	325	170	76	519	118	220
14	35	38	455	170	246	448	555	160	73	366	88	100
15	34	38	425	144	228	3,550	342	147	69	229	77	76
16	34	39	198	134	380	2,230	246	139	66	142	76	66
17	34	134	176	176	294	444	210	136	65	113	83	61
18	33	41	112	228	624	294	192	128	65	183	72	57
19	32	41	97	170	738	234	176	122	65	212	68	57
20	32	42	89	282	330	222	165	118	63	131	62	60
21	34	41	86	294	234	210	154	113	72	133	60	57
22	31	42	82	187	192	187	144	109	83	122	61	56
23	30	50	94	154	170	165	139	106	97	113	147	55
24	32	71	103	242	154	160	139	105	135	259	148	52
25	33	57	87	1,100	165	210	149	105	137	143	95	47
26	33	47	81	809	187	425	160	99	215	107	71	46
27	33	56	79	318	165	330	969	93	110	92	63	46
28	34	72	75	222	187	210	2,360	90	85	82	61	47
29	32	176	73	182	165	182	477	87	71	77	60	49
30	30	134	70	160	-----	165	282	95	65	73	56	103
31	30	-----	79	154	-----	149	-----	100	-----	76	52	-----
TOTAL	1,120	1,582	3,739	9,431	6,473	14,159	14,131	8,394	2,719	5,351	2,681	1,960
MEAN	36.1	52.7	121	304	223	457	471	271	90.6	173	86.5	65.3
MAX	68	176	455	1,100	738	3,550	3,080	2,660	215	555	177	231
MIN	30	32	51	134	120	144	139	87	63	71	52	38
CFSM	.34	.50	1.15	2.90	2.13	4.35	4.49	2.58	.86	1.64	.82	.62
IN.	.40	.56	1.32	3.34	2.29	5.01	5.01	2.97	.96	1.90	.95	.69
CAL YR 1963: TOTAL	56,960	MEAN 156	MAX 2,800	MIN 26	CFSM 1.49	IN 20.17						
WAT YR 1964: TOTAL	71,740	MEAN 196	MAX 3,550	MIN 30	CFSM 1.87	IN 25.41						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	122	78	101	158	102	133	161	97	54	66	60	29
2	98	78	94	145	127	177	155	94	53	61	57	39
3	77	78	95	164	119	161	154	87	52	57	52	92
4	152	77	131	144	104	156	259	87	54	55	48	99
5	1,130	76	163	126	100	150	412	84	59	66	46	57
6	979	75	128	121	108	142	451	82	64	133	59	45
7	280	75	111	117	234	134	266	81	70	293	257	40
8	157	98	113	219	131	211	64	79	66	304	156	37
9	125	76	93	111	158	126	188	77	64	183	136	35
10	108	74	89	112	143	121	167	76	61	99	102	40
11	94	73	87	111	132	117	155	74	80	91	70	67
12	86	74	101	104	184	171	160	71	170	94	59	56
13	82	74	115	102	283	242	161	68	130	78	56	48
14	81	74	96	101	226	169	137	66	110	71	56	41
15	109	75	85	101	206	149	132	64	270	79	58	38
16	353	77	81	127	171	139	144	62	500	84	59	37
17	382	74	82	116	249	220	133	61	330	70	52	35
18	173	75	89	102	452	595	123	60	200	62	47	38
19	127	75	88	102	296	358	137	59	150	65	43	47
20	109	120	120	100	201	216	239	60	110	60	41	37
21	99	107	161	99	172	183	147	96	95	60	42	34
22	94	77	123	96	156	160	131	99	86	57	44	32
23	90	72	110	116	142	183	122	91	78	53	39	32
24	86	99	107	309	151	439	123	74	72	53	36	36
25	84	301	773	223	209	349	104	75	68	53	35	60
26	82	279	1,070	153	167	241	123	74	90	51	34	43
27	81	140	1,090	132	142	339	129	68	76	50	34	36
28	82	128	485	117	136	258	126	65	70	65	33	33
29	82	161	256	112	-----	209	106	63	64	111	32	34
30	81	120	203	111	-----	195	101	59	70	79	30	47
31	79	-----	176	106	-----	175	-----	57	-----	61	29	-----
TOTAL	5,764	3,038	6,601	3,951	5,089	6,558	5,157	2,313	3,416	2,764	1,902	1,344
MEAN	186	101	213	127	182	212	172	74.6	114	89.2	61.4	44.8
MAX	1,130	301	1,090	309	452	595	451	99	500	304	257	99
MIN	77	72	81	96	100	117	101	57	52	50	29	29
CFSM	1.77	.96	2.03	1.21	1.73	2.01	1.64	.71	1.08	.85	.58	.43
IN.	2.04	1.08	2.34	1.40	1.80	2.32	1.83	.82	1.21	.98	.67	.48
CAL YR 1964: TOTAL	80,702	MEAN 220	MAX 3,550	MIN 38	CFSM 2.10	IN 28.58						
WAT YR 1965: TOTAL	47,897	MEAN 131	MAX 1,130	MIN 29	CFSM 1.25	IN 16.96						

2-2126 Falling Creek near Juliette, Ga  
(Hydrologic bench-mark station)

Location --Lat 33°06', long 83°43', on left bank 100 ft upstream from highway bridge, 4 miles upstream from Caney Creek and 5 1 miles east of Juliette, Jones County

Drainage area --72 2 sq mi

Records available --July 1964 to September 1965

Gage --Digital water-stage recorder Prior to Apr 14, 1965, graphic water-stage recorder at same site and datum

Extremes --Maximum and minimum discharges for the period July 1964 to September 1965 are contained in the following table

Annual maximum discharge (*) and peak discharges above base (1,100 cfs), and annual minimum daily discharge							
Water year	Maximum				Minimum		
	Date	Time	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1964	July 19, 1964	1500	* 425	5 97	Sept 7-9, 1964	4 5	
1965	Oct 5, 1964	1600	* 5,300	19 3	Aug 31, 1965	1 4	
	Dec 26, 1964	0900	5,380	16 8			
	Feb 18, 1965	0700	1,120	10 2			

1964-65 Maximum discharge during period July 1964 to September 1965, 5,300 cfs Oct 5, 1964 (gage height, 19 3 ft), minimum daily, 1 4 cfs Aug 31, 1965

Remarks --Records good except those below 30 cfs, which are fair

DISCHARGE, IN CUBIC FEET PER SECOND, JULY TO SEPTEMBER 1964

DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT
1	-	25	9 0	9	5 5	9 7	4 5	17	17	14	8 4	25	85	13	6 1
2	-	19	7 7	10	6 7	9 0	7 1	18	95	12	7 7	26	38	11	6 1
3	-	15	7 1	11	15	12	11	19	272	10	7 1	27	26	8 4	5 8
4	-	13	6 4	12	19	17	33	20	69	9 0	7 1	28	20	8 0	5 5
5	-	13	5 8	13	39	39	44	21	42	8 0	7 1	29	18	9 4	5 5
6	-	13	4 8	14	38	17	22	22	71	7 4	7 1	30	16	12	5 1
7	6 1	12	4 5	15	48	13	14	23	37	10	6 4	31	18	10	
8	5 5	11	4 5	16	28	11	10	24	58	13	6 4				
TOTAL													-	403 9	286 8
MEAN													-	13 0	9 56
MAX													-	39	44
MIN													-	7 4	4 5
CFSM													-	18	13
IN													-	21	15

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	4.8	15	27	65	30	64	75	25	7.1	22	18	1.5	
2	6.7	15	26	56	36	85	66	23	6.5	20	15	3.0	
3	11	15	25	66	37	90	58	21	6.5	18	13	7.5	
4	96	15	33	57	31	71	114	20	13	17	11	7.1	
5	3,210	16	74	47	36	62	206	19	11	19	8.9	5.3	
6	1,100	17	89	45	34	60	187	18	8.7	22	8.8	4.8	
7	158	18	56	39	196	59	112	18	8.0	17	8.5	4.0	
8	73	18	41	39	195	58	86	17	22	23	9.8	3.0	
9	48	19	35	39	97	53	73	17	26	24	14	2.8	
10	34	19	32	39	100	55	60	17	15	17	18	4.0	
11	28	18	30	38	81	51	52	18	62	14	13	4.2	
12	25	18	46	35	146	71	49	16	292	57	10	4.8	
13	23	18	72	34	369	126	49	16	83	43	13	4.8	
14	21	18	50	34	355	79	42	15	84	26	12	4.0	
15	28	19	40	32	295	62	39	13	288	21	8.7	3.5	
16	60	18	34	36	144	54	47	12	478	50	7.7	3.2	
17	57	18	28	38	496	55	41	13	191	24	6.9	3.0	
18	36	18	29	33	894	801	36	12	87	16	6.2	4.0	
19	28	18	29	32	262	234	33	12	50	13	5.1	8.5	
20	23	35	47	34	138	143	43	11	38	11	5.1	5.0	
21	21	34	84	35	94	100	45	15	31	9.9	4.5	3 8	
22	20	23	60	30	74	73	38	18	26	8.9	3.9	3.2	
23	20	19	48	33	62	144	34	14	24	9.3	3.5	3.0	
24	19	22	47	158	66	565	30	13	21	12	3.0	3.8	
25	18	141	702	98	229	618	28	13	20	9.4	2.8	6.7	
26	18	96	2,880	61	131	288	30	22	19	8.7	2.5	5.8	
27	18	46	1,830	47	87	632	47	15	20	7.5	2.4	4.8	
28	17	38	307	39	72	210	58	12	21	29	3.0	4.0	
29	17	38	155	36	-----	132	36	11	21	147	2.6	4.0	
30	16	31	107	34	-----	122	31	9.0	23	47	2.0	5.2	
31	16	79	32	-----	-----	91	-----	7.7	-----	25	1.4	-----	
TOTAL	5,270.5	853	7,142	1,441	4,787	5,308	1,845	482.7	2,002.8	787.7	244.3	132.3	
MEAN	170	28.4	230	46.5	171	171	61.5	15.6	66.8	25.4	7.88	4.1	
MAX	3,210	141	2,880	158	894	801	206	25	478	147	18	8.5	
MIN	4.8	15	25	30	30	51	28	7.7	6.5	7.5	1.4	1.5	
CFSM	2.35	.39	3.19	.64	2.37	2.37	.85	.22	.92	.35	.11	.06	
IN.	2.71	.44	3.68	.74	2.47	2.73	.95	.25	1.03	.41	.13	.07	
CAL YR 1964	TOTAL												
WAT YR 1965	TOTAL	30,296.3		MEAN	83.0	MAX	3,210	MIN	1.4	CFSM	1.15	IN	15.61



## 2-2130 Ocmulgee River at Macon, Ga

Location (revised) --Lat 32°50'15", long 83°37'14", at downstream end of center pier of Fifth Street Bridge in Macon, Bibb County, 1½ miles upstream from Walnut Creek, and at mile 205.0  
Drainage area --2,240 sq mi, approximately At site used October 1895 to May 1899, 2,350 sq mi  
Records available --January 1893 to December 1911, January 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to September 1965 in reports of Geological Survey Monthly discharges only for some periods, published in WSP 1304 January 1929 to December 1931 in House Document 68, 74th Congress, 1st session Gage-height records collected at same site since 1895 are contained in reports of U. S. Weather Bureau  
Gage --Digital water-stage recorder Datum of gage is 269.80 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Oct 9, 1905, staff, chain, and wire-weight gages at sites within 1½ miles downstream at about same datum Oct 9, 1905, to Dec 31, 1913, chain gage at present site and datum Jan 10, 1929, to June 25, 1934, graphic water-stage recorder at site 500 ft downstream at same datum June 26, 1934, to Oct 3, 1960 graphic water-stage recorder at present site and datum  
Average discharge --55 years (1893-1911, 1928-65), 2,691 cfs  
Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (14,000 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 21, 1961	0200	23,600	20.0	Jan. 21, 1963	0300	* 38,500	22.72	Mar. 16, 1964	1500	37,700	22.60
Feb. 26, 1961	0100	* 48,200	24.1	Jan. 14, 1963	0900	27,300	20.85	Mar. 28, 1964	2200	25,300	20.44
Mar 7, 1961	2000	14,000	17.2	May 2, 1963	2100	22,900	19.83	Apr 8, 1964	1800	* 52,800	24.73
Apr 2, 1961	0700	25,300	20.4	May 28, 1963	1500	16,000	17.93	Apr 29, 1964	1800	28,200	20.59
				June 23, 1963	2100	15,700	17.82	May 4, 1964	0800	43,300	23.41
				June 28, 1963	2200	16,100	17.95				
Dec 15, 1961	0800	17,800	18.49	Jan 10, 1964	0500	18,200	18.60	Oct 5, 1964	2100	24,700	20.27
Feb 22, 1962	1500	22,400	19.69	Jan 27, 1964	1200	21,200	19.35	Dec 26, 1964	1100	* 45,300	23.69
Feb 25, 1962	0500	23,600	20.01								
Mar 12, 1962	0800	* 23,700	20.03	Feb. 18, 1964	2100	15,400	17.68				
Apr 1, 1962	0900	16,500	18.07	Mar. 3, 1964	1000	17,900	18.54				
Apr. 13, 1962	0800	16,100	18.55								

Annual minimum daily discharge, water years 1961-65					
Water year	Date	Discharge	Water year	Date	Discharge
1961	Oct 21, 22, 25, 28, 29, Nov 5, 6, 8, 1960	670	1963	Nov 8, 1962	560
1962	Sept 7, 1962	593	1964	Oct 25, 1963	706
			1965	Sept 1, 1965	767

1893-1913, 1928-65 Maximum discharge, 83,500 cfs Nov 29, 1948 (gage height, 28.0 ft), minimum daily, 128 cfs Oct 24, 1954, minimum gage height observed, -1.0 ft Oct 5, 1904

Maximum stage known, 28.0 ft Nov 29, 1948

Flood of Jan 19, 1925, reached a stage of 26.0 ft, from floodmarks at Central of Georgia Railroad Bridge, 500 ft downstream (discharge, 72,500 cfs)

Remarks --Records good Flow regulated by Lloyd Shoals Reservoir (see station 2-2100)

Revisions (water years) --WSP 822 Drainage area WSP 1504 1893-1903, 1905-10, 1932, 1937, 1942(M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,040	710	835	1,010	860	19,200	22,400	4,480	1,790	3,720	855	2,510
2	885	710	960	1,060	1,140	7,820	24,000	6,800	1,350	2,790	1,070	2,390
3	785	690	735	935	1,410	5,440	14,000	6,080	1,320	1,180	935	2,150
4	760	690	710	860	1,060	4,880	6,000	5,360	1,290	1,130	935	1,040
5	735	670	735	1,140	785	4,560	5,200	4,960	1,260	1,130	990	1,040
6	1,140	670	735	1,240	760	4,250	4,720	4,720	1,240	2,390	908	1,520
7	1,040	710	735	835	1,210	8,590	4,480	4,480	1,210	2,510	1,070	2,270
8	1,110	670	735	785	1,520	10,600	4,250	4,320	1,180	3,210	2,450	2,930
9	810	735	735	810	985	7,540	3,800	4,160	1,260	1,350	2,790	2,330
10	785	690	710	910	1,010	7,680	3,950	3,880	1,180	1,180	2,580	1,550
11	835	690	760	885	960	6,080	3,650	6,920	1,130	1,460	2,330	962
12	960	690	785	710	935	5,440	7,800	8,420	1,240	2,450	1,320	2,090
13	1,040	690	935	710	785	5,040	9,780	6,800	1,180	3,350	1,290	1,610
14	1,180	710	860	785	1,060	4,320	10,600	5,680	1,100	3,000	935	1,130
15	1,210	690	835	860	785	4,100	11,400	5,040	1,100	2,650	962	935
16	735	710	885	835	760	3,950	13,800	4,640	1,240	2,390	1,320	880
17	710	710	960	910	760	3,800	10,400	4,320	2,150	1,210	1,290	855
18	690	710	810	1,010	860	3,720	7,680	4,100	1,210	2,580	830	855
19	960	690	810	1,040	7,890	3,650	5,280	2,650	1,160	2,510	805	1,850
20	710	690	785	1,310	19,700	3,500	4,720	2,210	1,350	2,450	880	880
21	670	710	785	810	22,800	3,070	4,400	2,030	2,910	1,550	1,020	1,790
22	670	690	1,010	735	19,000	2,860	3,800	2,790	1,180	1,070	1,130	1,910
23	690	690	960	735	16,900	2,790	3,350	3,350	5,360	1,070	1,160	2,030
24	690	710	1,060	1,240	17,600	2,720	3,140	4,720	9,060	1,100	1,290	1,490
25	670	710	810	1,360	41,900	2,580	3,500	2,720	5,890	1,850	4,960	830
26	690	690	785	1,130	42,600	1,550	4,020	3,720	4,100	1,210	5,120	1,520
27	760	710	810	1,360	43,300	1,520	5,200	4,480	4,320	1,100	6,320	805
28	670	735	960	1,460	37,000	2,330	7,160	3,350	4,720	1,100	5,600	758
29	670	810	1,060	910	-----	2,650	5,760	2,270	5,120	1,130	3,580	735
30	690	785	910	835	-----	2,580	4,880	2,450	4,480	880	3,070	735
31	710	-----	885	1,040	-----	6,820	-----	1,850	-----	880	2,450	-----
TOTAL	26,700	21,165	26,085	30,435	286,235	155,630	223,120	133,770	76,080	57,580	62,245	44,380
MEAN	861	706	841	982	10,220	5,020	7,437	4,315	2,536	1,857	2,008	1,479
MAX	2,040	810	1,060	1,460	43,300	19,200	24,000	8,420	9,060	3,720	6,320	2,930
MIN	670	670	710	710	760	1,520	3,140	1,850	1,100	880	805	735
(*)	-13	+	+	-68	+17	+	-67	-322	+299	-73	+29	-28
CAL YR 1960 TOTAL	1,723,829				2,412		MAX 29,300					
MAY YR 1961 TOTAL	1,723,829				2,412		MAX 29,300					

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

## 2-2130 Ocmulgee River at Macon, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	751	726	714	1,360	4,560	6,020	14,900	3,850	1,680	836	728	658
2	771	738	718	2,660	4,260	6,070	9,390	3,720	1,250	787	725	620
3	744	723	732	2,440	3,430	5,890	9,410	3,270	1,270	742	950	640
4	741	716	756	1,900	3,010	5,390	7,610	2,790	2,270	709	723	620
5	757	725	1,330	2,280	3,160	5,060	5,660	2,790	2,260	747	692	643
6	942	753	1,560	7,080	2,960	4,670	5,180	2,760	2,400	739	685	595
7	1,250	723	1,640	9,190	2,840	4,420	6,600	2,020	2,330	1,570	671	593
8	1,270	714	1,110	6,300	2,780	4,270	6,930	2,480	2,240	10,600	921	612
9	1,170	711	799	6,590	2,790	3,780	6,320	1,920	2,220	5,990	1,020	632
10	1,090	693	793	5,680	2,760	3,540	5,630	1,160	1,880	2,880	690	659
11	962	703	1,280	4,290	1,220	10,100	5,350	1,100	1,170	2,380	630	718
12	771	713	2,950	3,650	1,190	21,700	11,400	1,070	2,020	1,950	626	690
13	712	730	5,840	3,760	2,600	13,100	17,600	1,080	2,140	1,810	765	658
14	709	720	6,920	3,620	1,790	14,200	16,500	1,040	2,060	1,680	3,980	658
15	711	746	16,400	3,660	1,740	7,830	12,000	2,250	2,270	777	2,580	644
16	694	747	12,300	3,870	1,890	5,950	6,020	2,080	2,160	772	1,990	777
17	707	739	8,880	3,790	2,730	5,180	5,110	1,750	1,840	1,030	1,010	851
18	707	728	6,240	3,110	1,950	4,770	4,800	966	997	1,240	1,300	936
19	708	728	7,280	4,650	1,520	4,580	4,590	1,530	1,780	883	760	750
20	684	743	11,700	8,090	3,020	4,450	4,430	846	1,540	705	728	729
21	689	771	9,050	5,580	3,110	4,760	4,330	797	992	705	772	724
22	700	820	5,470	4,950	15,000	5,280	3,550	1,470	1,710	680	684	629
23	734	864	3,610	4,670	13,800	4,800	3,140	810	1,480	669	694	635
24	721	903	3,380	4,480	18,800	3,990	2,970	877	1,800	625	694	639
25	719	903	3,260	4,320	22,100	3,520	2,920	691	868	653	716	621
26	726	818	3,170	3,650	15,100	5,650	3,070	659	834	712	722	934
27	703	783	3,100	3,220	6,940	6,070	3,340	644	890	684	726	1,890
28	701	894	3,070	3,490	6,160	5,270	3,100	644	839	792	1,160	1,080
29	724	931	2,560	5,130	-----	4,810	3,150	636	1,080	953	1,360	833
30	753	753	2,230	4,870	-----	4,560	3,730	1,320	987	877	1,300	741
31	726	-----	2,160	4,590	-----	5,660	-----	1,140	-----	793	1,120	-----
TOTAL	24,747	22,959	130,962	137,360	153,210	195,340	198,730	50,424	49,334	44,870	32,122	22,409
MEAN	788	765	4,229	4,403	4,942	6,140	6,250	1,614	1,588	1,449	1,004	716
MAX	1,270	931	16,400	9,310	22,100	21,700	17,600	3,850	2,400	10,600	3,980	1,890
MIN	684	693	714	1,360	1,190	3,520	2,920	636	834	625	626	593
(+)	-65	+108	+111	+114	+148	-205	+74	-21	-69	+140	-117	-44

 CAL YR 1961: TOTAL 1,248,143 MEAN 3,420 MAX 43,300 MIN 684  
 MAY YR 1962: TOTAL 1,064,167 MEAN 2,916 MAX 22,100 MIN 593

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	734	656	2,740	2,210	3,500	2,450	2,420	20,800	4,840	9,030	3,550	980
2	923	660	2,390	1,070	3,500	1,970	2,840	22,200	3,910	5,780	3,370	812
3	1,860	622	1,700	2,000	4,180	1,380	2,850	20,200	2,090	4,900	2,620	772
4	5,010	601	902	1,974	4,480	1,130	2,710	12,000	1,150	4,340	1,200	812
5	3,160	631	835	2,030	3,800	2,930	2,640	5,090	2,110	4,040	1,230	841
6	2,080	600	1,880	1,160	3,350	5,320	1,870	4,020	1,400	3,220	1,600	1,490
7	929	760	1,110	3,140	3,140	6,380	1,440	3,750	2,100	5,070	1,770	911
8	826	560	826	1,850	2,720	5,200	2,490	2,970	1,680	6,260	1,890	778
9	1,530	600	797	1,910	2,210	3,800	2,820	1,430	933	5,810	1,050	786
10	1,960	612	812	1,850	2,150	3,880	2,780	1,460	923	4,600	965	758
11	852	683	1,570	935	2,400	3,720	2,540	1,050	2,030	3,580	929	749
12	773	686	1,120	1,850	4,320	3,720	1,720	1,030	1,930	1,470	936	743
13	711	758	1,070	3,420	4,800	16,900	1,180	999	1,190	2,350	1,760	745
14	706	777	734	3,880	3,800	26,600	1,120	2,460	817	1,670	1,030	810
15	733	729	671	3,140	3,350	20,500	1,100	3,040	773	1,280	935	892
16	700	694	691	2,930	3,070	7,580	1,100	2,600	784	2,660	892	886
17	756	996	733	2,510	2,650	6,000	1,720	1,250	928	2,500	863	845
18	676	750	753	6,990	1,160	5,920	1,700	2,210	3,140	4,400	870	820
19	622	770	788	10,600	4,260	5,680	2,310	1,060	4,080	4,230	882	798
20	600	805	782	27,500	5,200	5,600	1,620	1,050	7,820	3,310	852	771
21	643	2,090	775	33,800	4,180	5,360	1,080	2,300	8,880	3,820	1,230	1,090
22	694	5,250	752	20,700	3,500	4,960	1,090	2,010	8,070	3,500	1,070	912
23	686	4,490	864	6,490	3,140	4,480	1,130	1,100	13,300	2,830	1,350	799
24	645	3,550	845	6,700	3,210	4,250	2,090	2,350	13,400	3,120	1,010	761
25	622	3,110	962	5,040	3,280	4,180	1,680	2,070	9,770	3,900	841	745
26	600	2,920	2,790	3,800	3,140	3,880	1,200	991	5,910	4,490	830	745
27	580	2,810	2,510	3,500	3,000	3,950	993	1,060	12,500	4,210	1,140	743
28	598	2,790	1,970	3,350	2,720	3,650	1,010	13,000	15,800	3,270	838	1,150
29	627	2,800	2,150	3,140	-----	2,810	1,660	11,500	13,900	2,090	796	2,840
30	622	2,780	3,000	3,210	-----	3,160	9,510	13,400	11,200	3,060	934	3,900
31	653	-----	1,350	3,580	-----	1,580	-----	8,660	-----	3,110	1,510	-----
TOTAL	33,111	46,380	40,872	174,085	96,210	178,620	62,413	169,080	157,358	117,920	40,833	31,092
MEAN	1,068	1,546	1,318	5,616	3,436	5,762	2,080	5,454	5,245	3,804	1,317	1,036
MAX	5,010	5,250	3,000	33,800	6,320	26,600	9,510	22,200	15,800	9,030	3,550	3,900
MIN	580	560	671	880	1,160	1,130	993	991	773	1,280	796	743
(+)	-111	+101	+49	-8	-74	+75	+229	-98	0	-59	-59	-15

 CAL YR 1962: TOTAL 1,005,862 MEAN 2,756 MAX 22,100 MIN 560  
 MAY YR 1963: TOTAL 1,147,974 MEAN 3,145 MAX 33,800 MIN 560

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

## 2-2130 Ocmulgee River at Macon, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,510	726	2,030	2,870	5,410	4,810	5,500	7,970	2,130	1,720	3,050	2,210
2	2,230	731	1,920	3,190	5,170	6,130	5,300	10,400	2,300	2,180	3,030	1,390
3	951	737	1,850	3,330	4,960	16,500	5,200	31,300	2,250	2,700	2,520	1,160
4	1,600	747	1,820	3,700	4,790	12,200	5,210	40,700	1,210	1,920	1,910	1,120
5	1,230	730	1,790	3,980	4,720	15,200	5,150	27,300	2,160	1,290	1,690	1,100
6	864	1,240	1,780	3,780	5,340	13,800	11,100	17,900	2,150	1,730	2,920	1,090
7	828	1,480	1,780	4,050	5,340	9,840	26,500	9,650	2,000	1,770	2,750	1,100
8	799	1,330	1,790	4,610	5,340	6,330	44,400	6,970	1,870	1,810	1,630	1,100
9	1,730	1,270	1,800	12,200	4,420	5,790	38,400	5,680	1,740	1,680	1,220	1,290
10	871	801	1,810	16,600	3,350	5,660	22,800	5,170	1,560	1,820	1,140	2,450
11	811	778	1,790	13,700	3,400	5,580	10,000	5,000	1,490	1,800	2,380	1,360
12	802	1,230	2,590	11,500	3,380	5,200	8,890	4,890	1,380	1,940	2,630	1,360
13	813	1,280	3,340	6,080	3,260	5,050	7,660	4,830	1,360	2,810	2,690	1,680
14	796	1,280	7,400	5,420	4,090	5,360	7,660	4,700	1,050	6,500	2,440	1,560
15	780	1,240	11,300	5,180	4,390	21,700	7,820	3,130	895	6,030	1,490	1,310
16	770	809	8,420	4,500	5,920	36,100	7,310	3,410	837	3,760	1,220	1,230
17	763	720	6,310	4,760	5,910	28,900	6,760	2,720	811	2,350	1,210	1,390
18	744	748	3,930	8,750	10,900	18,500	6,420	3,740	1,080	4,880	1,360	1,190
19	720	729	2,540	6,090	12,900	9,810	6,160	2,550	1,280	6,300	2,200	1,140
20	742	727	2,440	6,470	14,000	8,190	5,910	2,400	1,240	4,220	2,120	1,150
21	758	765	2,360	6,620	9,980	6,380	5,410	2,260	1,290	7,130	2,040	1,150
22	723	745	1,990	5,740	6,000	5,860	5,260	2,260	1,040	7,590	1,930	2,130
23	722	750	2,370	5,140	5,420	5,640	5,210	2,280	1,730	3,970	1,310	2,110
24	710	805	2,430	4,650	5,170	4,880	4,070	2,270	1,260	4,120	1,330	1,120
25	706	823	2,390	13,600	4,770	4,840	3,820	2,260	1,170	5,590	2,470	1,060
26	708	1,170	2,340	19,300	4,680	6,540	2,470	2,210	2,100	4,580	2,240	1,030
27	745	1,810	2,290	20,600	4,600	13,100	8,180	2,150	2,600	3,540	3,220	1,030
28	761	1,650	2,230	15,300	5,390	23,700	21,300	2,120	2,220	2,980	3,070	1,060
29	743	2,240	2,230	6,870	5,230	21,400	25,400	2,110	1,250	2,910	1,550	1,610
30	711	2,370	2,210	6,120	-----	14,600	17,500	2,040	1,670	2,890	1,770	1,100
31	722	-----	2,310	5,670	-----	6,520	-----	2,100	-----	2,910	1,240	-----
TOTAL	30,363	32,461	93,580	240,370	168,230	352,110	342,770	226,470	48,113	107,420	63,270	40,788
MEAN	979	1,047	2,987	7,754	5,427	11,358	11,056	7,307	1,604	3,465	2,041	1,359
MAX	3,510	2,370	20,600	14,000	16,100	44,400	40,700	40,700	7,590	3,220	2,450	2,450
MIN	706	720	1,780	2,870	3,260	4,810	2,470	7,040	811	1,290	1,140	1,030
(†)	-34	+118	-107	+176	-158	+21	+215	-309	+202	-94	-94	+67

CAL YR 1963 TOTAL 1,184,015 MEAN 3,244 MAX 43,800 MIN 706

MAY YR 1964 TOTAL 1,745,937 MEAN 4,770 MAX 44,400 MIN 706

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,070	1,190	2,620	5,210	2,420	1,900	5,620	1,970	876	2,460	1,080	767
2	2,170	1,210	2,310	4,370	2,450	4,020	5,460	1,320	863	1,470	943	836
3	2,280	2,470	2,530	4,290	2,480	4,510	5,020	1,230	854	1,190	949	952
4	2,780	2,360	2,590	4,160	2,380	4,390	5,200	1,500	1,500	1,190	819	1,110
5	2,170	1,230	3,160	3,460	2,320	3,780	6,290	1,200	888	1,220	892	1,010
6	16,800	1,170	3,960	3,080	2,330	2,170	6,850	1,100	868	1,380	944	918
7	6,810	1,800	3,120	2,950	3,610	2,880	6,250	1,100	905	2,010	1,170	855
8	5,060	1,210	2,690	2,940	5,350	2,660	5,890	1,000	4,520	2,790	1,220	1,460
9	3,760	1,190	2,530	2,870	4,540	3,700	5,670	1,200	4,510	2,930	2,170	1,460
10	2,950	1,170	2,560	2,890	4,280	3,370	5,460	1,400	3,570	1,950	2,560	1,790
11	2,420	2,010	2,610	2,860	4,100	2,930	5,030	2,140	4,570	1,410	1,320	1,670
12	1,390	1,210	4,710	2,550	4,190	2,860	4,430	2,290	7,050	4,450	1,640	908
13	2,340	1,180	2,320	2,170	5,760	3,840	4,360	2,210	6,000	4,210	1,540	880
14	2,370	2,270	1,580	1,880	6,060	4,310	3,650	1,060	5,520	2,610	971	880
15	2,580	1,200	2,660	1,300	6,110	4,300	3,820	2,020	7,430	1,250	939	908
16	4,190	1,200	2,520	2,120	5,200	4,170	4,190	1,050	8,380	1,430	969	908
17	5,240	2,080	1,440	2,430	8,020	3,080	4,140	1,040	6,750	1,180	1,350	908
18	5,120	1,410	1,730	2,310	11,100	8,700	4,050	2,270	5,190	1,100	1,370	908
19	3,460	2,000	2,450	2,360	7,290	8,160	3,990	2,070	3,050	1,070	895	990
20	2,880	2,200	2,600	1,430	6,010	11,600	4,070	1,020	2,560	1,990	879	935
21	2,700	2,280	1,690	1,180	5,020	6,440	4,220	1,920	1,520	1,010	842	880
22	2,370	1,310	2,900	2,030	4,600	5,680	4,110	1,060	2,190	2,979	834	880
23	1,340	1,220	2,660	1,870	4,360	5,430	4,100	1,020	1,340	958	858	855
24	2,470	1,250	2,720	3,880	4,320	7,070	2,650	1,040	2,250	999	835	855
25	1,320	2,970	7,980	4,580	5,300	8,490	2,600	2,260	2,260	964	809	908
26	1,260	3,590	35,400	4,000	4,950	9,240	2,030	2,300	1,310	963	796	855
27	1,950	3,060	22,200	3,720	4,095	12,300	1,730	2,260	1,190	805	787	855
28	2,360	3,750	15,100	3,410	3,410	12,000	3,720	1,680	1,280	948	794	805
29	1,290	3,150	9,960	3,450	-----	9,940	3,940	2,020	2,180	3,120	795	990
30	1,230	2,880	6,350	3,460	-----	6,630	3,810	1,440	2,310	2,450	804	880
31	1,190	-----	5,690	2,710	-----	5,820	-----	961	-----	1,270	787	-----
TOTAL	117,850	58,000	163,340	91,990	132,000	176,870	131,180	47,631	94,234	53,856	33,579	29,814
MEAN	3,802	1,933	5,269	2,969	4,271	5,705	4,273	1,536	3,141	1,737	1,083	954
MAX	21,700	3,440	35,400	5,210	11,100	12,500	6,850	2,300	8,380	4,450	2,560	1,790
MIN	1,190	1,170	1,440	1,180	2,320	1,900	1,730	941	854	905	787	767
(†)	-272	-257	+994	-1,169	+670	+442	+76	0	-25	+73	-146	-314

CAL YR 1964. TOTAL 1,928,723 MEAN 5,270 MAX 44,400 MIN 811

MAY YR 1965. TOTAL 1,130,346 MEAN 3,097 MAX 35,400 MIN 767

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

2-2130 5 Walnut Creek near Gray, Ga

Location --Lat 32°58'20", long 83°37'10", on downstream side of right bank pier of abandoned bridge, 500 ft downstream from bridge on State Highway 18, 1 4 miles upstream from Bonner Creek, and 5 1/2 miles southwest of Gray, Jones County

Drainage area --29 sq mi, approximately

Records available --October 1961 to September 1965

Gage --Digital water-stage recorder. Altitude of gage is 390 ft above mean sea level (from topographic map). Prior to Apr 14, 1965, graphic water-stage recorder at same site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (1,000 cfs), water years 1962-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Jan 6, 1962	1100	1,300	4 72	June 26, 1963	2330	1,350	4 8	July 21, 1964	0100	1,020	4 28
Feb 22, 1962	0900	* 4,920	11 9	Jan 25, 1964	0700	1,350	4 8	Oct 5, 1964	0900	1,920	6 40
Mar 12, 1962	0500	2,140	7 1	Feb 18, 1964	1200	1,580	5 3	Dec 26, 1964	-	* 15,500	a23 8
Apr 1, 1962	0200	1,060	4 32	Mar 2, 1964	2300	2,280	7 5	June 8, 1965	1530	3,230	9 46
Apr 12, 1962	1100	1,300	4 72	Mar 15, 1964	0600	1,350	4 8	June 12, 1965	0430	1,920	6 40
Jan 20, 1963	0300	4,110	10 8	Apr 6, 1964	1800	2,200	7 3	June 15, 1965	1850	2,370	7 78
Feb 11, 1963	1800	1,020	4 25	Apr 8, 1964	1000	* 5,000	12 0	July 7, 1965	2315	1,710	5 61
Mar 13, 1963	0700	1,250	4 6	May 2, 1964	2200	1,950	6 5	July 12, 1965	0700	2,800	8 74
May 28, 1963	0630	* 6,600	13 8	July 18, 1964	2100	1,980	6 6	July 29, 1965	0230	1,500	5 08

a From floodmark

Annual minimum discharge, water years 1962-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1962	Oct 11, 12, 26-28, 1961	a 0 6	-	1964	Oct 18-24, 1963	4 6	-
1963	Oct 2, 1962	1 3	-	1965	Oct 3, 1964	a 5 3	-

a Minimum daily

1961-65 Maximum discharge, 15,500 cfs Dec 26, 1964 (gage height, 23 8 ft, from floodmark), from rating curve extended above 5,000 cfs on basis of contracted-opening measurement of peak flow, minimum daily, 0 6 cfs Oct 11, 12, 26-28, 1961  
Zero flow was observed during June, July, and August, 1954

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

OAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.1	.70	3.3	41	30	37	454	20	20	6.4	3.3	1.8
2	1.1	.70	3.3	25	26	74	86	18	8.5	5.0	3.0	1.6
3	1.1	1.1	3.6	18	24	51	97	15	6.9	4.6	5.0	1.3
4	1.0	1.6	3.6	15	22	41	44	15	6.4	5.0	9.2	1.3
5	.80	1.6	3.6	15	23	35	41	15	9.6	5.0	4.3	1.1
6	.80	1.6	7.5	559	20	30	96	14	10	4.3	3.0	.80
7	1.0	1.6	11	96	18	28	147	13	7.5	5.0	3.3	1.6
8	1.1	2.3	5.8	49	18	26	178	13	7.5	5.0	14	1.8
9	.80	2.0	4.6	34	18	26	76	11	6.9	5.8	12	2.0
10	.80	3.3	8.5	28	17	70	54	17	6.9	4.3	4.0	2.0
11	.60	4.0	16	23	16	692	129	14	17	3.6	3.0	1.8
12	.60	4.0	44	21	15	826	695	11	39	13	2.7	4.3
13	.80	4.0	38	18	15	106	137	11	26	12	17	5.0
14	1.1	4 0	48	17	15	64	72	10	16	4.6	41	3.3
15	.70	5.0	283	18	15	57	55	9.6	9.1	5.2	12	3.6
16	.70	3.1	60	18	33	44	44	9.1	8.5	18	9.1	4.3
17	1.1	5.8	55	15	25	36	39	8.5	9.1	6.4	9.1	6.9
18	1.1	8.0	69	15	21	33	36	8.0	7.5	5.8	5.3	7.5
19	1.3	8.5	36	232	61	30	34	8.0	7.5	4.6	4.3	3.6
20	1.3	8.5	23	92	35	28	30	7.5	6.9	4.3	4.3	3.0
21	1.8	9.1	18	48	82	97	28	6.9	6.9	4.6	3.6	2.0
22	1.3	9.1	15	36	1,660	51	25	8.0	6.4	3.0	3.6	1.8
23	1.0	14	15	33	203	37	24	6.9	5.3	2.7	3.6	1.8
24	.80	11	12	30	92	33	22	5.8	5.8	2.7	4.3	1.8
25	.70	4.6	11	26	60	55	27	5.3	5.8	5.3	4.3	2.0
26	.60	3.6	11	23	51	65	44	5.3	6.4	5.3	4.3	32
27	.60	3.6	10	29	41	41	58	5 0	10	4.6	4.0	14
28	.60	3.6	13	146	37	34	30	4.6	11	5.4	4.0	3.3
29	.70	3.6	11	64	-----	30	28	4.3	11	30	3.3	2.3
30	.80	3.3	9.6	44	-----	28	24	4.3	7.5	6.4	2.7	1.6
31	.80	-----	9.6	35	-----	263	-----	14	-----	4.6	2.0	-----
TOTAL	28.60	136.90	862.0	1,863	2,693	3,068	2,814	318.1	312.9	202.5	208.6	121.20
MEAN	.92	4.56	27.8	60.1	96.2	99.0	93.8	10.3	10.4	6.53	6.73	4.04
MAX	1.8	14	283	559	1,660	826	695	20	39	30	41	32
MIN	.60	.70	3.3	15	15	26	22	4.3	5.3	2.7	2.0	.80
CFSM	.03	.16	.96	2.07	3.32	3.41	3.23	.35	.36	.23	.23	.14
IN.	.04	.18	1.11	2.39	3.45	3 93	3.61	.41	.40	.26	.27	.16

CAL YR 1961 TOTAL 12,628.80 MEAN 34.6 MAX 1,660 MIN .60 CFSM 1.19 IN 16.20

Note --Backwater from beaverdam Oct 1 to Dec 14

## 2-2130 5 Walnut Creek near Gray, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.6	4.0	8.0	18	36	31	21	40	25	22	10	3.0
2	1.8	4.0	8.0	16	37	30	20	22	21	22	9.1	2.7
3	4.1	4.0	7.5	14	100	30	18	18	17	15	8.0	2.3
4	4.2	4.0	7.5	13	55	33	18	15	14	14	7.5	4.3
5	12	3.3	7.5	12	41	33	16	14	12	12	6.4	4.3
6	8.0	3.0	7.5	12	35	81	18	12	11	23	5.8	3.0
7	6.9	3.3	6.9	11	31	44	29	11	10	44	5.3	3.0
8	10	3.6	6.9	11	28	36	18	10	9.6	125	5.3	3.0
9	7.5	6.6	6.9	10	27	35	17	9.6	8.5	39	5.3	2.7
10	5.3	4.3	6.4	10	27	34	17	8.5	8.0	23	4.6	2.3
11	5.0	3.3	6.9	17	324	34	15	8.5	8.5	18	4.3	2.0
12	5.0	4.3	6.9	90	168	61	15	7.5	8.0	14	4.3	1.8
13	5.3	9.7	6.9	36	65	489	15	8.5	7.5	13	4.3	1.8
14	5.8	4.0	6.9	27	47	92	13	31	6.9	12	5.0	6.1
15	5.3	3.0	8.0	22	36	57	13	17	6.4	13	4.3	1.7
16	5.3	2.7	8.5	18	34	44	13	12	5.8	17	4.0	7.5
17	5.8	2.7	8.5	17	31	56	12	9.6	2.1	21	3.6	5.0
18	6.4	4.3	8.0	405	31	52	12	9.1	29	24	3.6	4.3
19	4.6	5.0	7.5	370	276	36	12	9.1	32	15	3.6	4.3
20	4.3	5.0	7.5	2,000	77	42	11	8.5	39	13	4.3	4.0
21	4.3	114	7.5	361	48	36	11	8.0	27	44	6.4	3.6
22	4.6	90	8.1	36	30	11	7.5	61	41	15	4.6	3.6
23	4.3	20	8.5	55	29	28	10	6.9	50	13	4.0	3.3
24	4.0	14	8.5	44	50	27	9.6	6.4	27	24	3.6	3.0
25	4.0	11	29	35	40	26	9.6	6.4	24	32	3.3	2.7
26	3.3	9.6	19	34	35	53	11	6.9	129	18	3.0	2.7
27	3.3	9.1	13	33	33	36	9.6	29	313	18	3.3	2.7
28	3.3	8.5	12	29	31	27	11	2,150	49	18	4.3	131
29	3.6	8.5	100	28	-----	24	25	585	33	43	4.0	111
30	4.0	8.5	52	39	-----	23	143	69	25	14	4.0	18
31	4.0	-----	24	45	-----	22	-----	39	-----	12	3.6	-----
TOTAL	198.2	377.3	431.3	3,913	1,808	1,682	573.8	3,195.0	1,038.2	750	152.7	366.0
MEAN	6.39	12.6	13.9	126	64.6	54.3	19.1	103	34.6	24.2	4.93	12.2
MAX	42	114	100	2,000	324	489	143	2,150	313	125	10	131
MIN	1.6	2.7	6.4	10	27	22	9.6	6.4	5.8	12	3.0	1.8
CFSM	2.22	4.3	4.8	4.35	2.23	1.87	6.6	3.55	1.19	1.7	4.2	4.7
IN.	25	48	55	5.02	2.32	2.16	74	4.10	1.33	96	20	4.7

CAL YR 1962: TOTAL 12,608.10 MEAN 34.2 MAX 1,180 MIN 1.8 CFSM 1.37 IN 18.37  
 MAY YR 1963: TOTAL 14,489.5 MEAN 39.7 MAX 2,150 MIN 1.8 CFSM 1.37 IN 18.37

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11	6.0	17	72	51	51	34	35	12	6.4	17	8.5
2	9.6	8.0	15	57	39	554	31	671	20	8.0	12	8.0
3	8.5	6.9	14	74	35	396	30	584	12	8.0	11	7.5
4	8.0	6.9	13	76	33	130	31	118	11	6.9	11	7.5
5	6.9	7.5	12	58	35	175	28	67	9.6	6.9	11	6.9
6	6.4	13	11	44	74	94	930	51	9.6	5.8	11	6.4
7	6.4	8.0	11	60	45	69	208	41	11	5.3	9.6	6.4
8	5.8	6.4	12	47	58	58	2,050	35	9.6	5.0	9.1	5.8
9	5.3	6.4	12	534	44	51	164	30	8.5	5.8	8.5	5.8
10	4.6	6.4	11	110	39	49	85	28	8.0	7.5	8.5	8.5
11	5.3	6.4	11	64	42	41	60	25	7.5	6.9	9.6	18
12	5.3	6.4	104	202	36	37	51	23	9.3	16	14	37
13	5.3	5.3	91	100	39	35	52	23	12	22	13	22
14	5.3	5.3	310	58	97	40	58	21	8.5	18	9.6	11
15	5.3	5.3	104	45	64	804	47	18	8.0	20	6.5	9.1
16	5.3	5.8	51	40	125	134	39	18	6.9	11	8.0	8.0
17	5.0	5.8	39	168	64	76	35	18	6.9	10	10	7.5
18	5.0	6.4	33	140	634	55	33	16	6.4	550	8.5	7.5
19	4.6	6.4	27	70	135	45	31	15	6.4	216	7.5	7.5
20	4.6	6.4	26	217	76	42	29	15	6.4	42	7.5	7.5
21	4.6	6.4	24	85	57	40	27	14	5.8	103	6.9	6.9
22	4.6	6.4	22	57	48	36	26	14	8.0	174	7.5	6.4
23	4.6	8.5	26	47	42	35	25	14	9.6	30	29	6.4
24	5.0	12	24	115	39	35	23	13	8.5	38	28	6.4
25	5.3	7.5	21	397	47	71	73	12	9.1	26	10	6.4
26	5.3	6.9	20	108	45	149	39	11	11	23	8.5	6.4
27	5.3	133	18	69	51	67	264	11	14	18	10	5.8
28	5.0	31	52	116	91	51	91	11	9.1	15	10	5.8
29	5.0	73	42	17	42	44	55	10	6.0	15	11	5.8
30	5.0	25	17	39	-----	37	41	11	6.4	13	12	5.8
31	5.0	-----	22	40	-----	35	-----	12	-----	15	10	-----
TOTAL	178.2	444.7	1,153	3,287	2,274	3,536	4,692	1,985	279.1	1,447.5	347.8	268.3
MEAN	5.75	14.4	37.2	106	78.4	114	156	64.9	9.3	46.7	11.2	8.9
MAX	11	133	310	534	634	804	2,050	671	20	550	29	37
MIN	4.6	5.3	11	39	33	35	23	10	5.8	5.0	6.9	5.8
CFSM	2.20	5.1	1.28	3.66	2.70	3.93	5.39	2.21	3.32	1.61	3.39	3.1
IN.	23	57	1.48	4.22	2.92	4.53	6.02	2.55	3.36	1.86	4.5	3.4

CAL YR 1963: TOTAL 15,254.6 MEAN 41.8 MAX 2,150 MIN 1.8 CFSM 1.44 IN 19.56  
 MAY YR 1964: TOTAL 19,692.8 MEAN 54.4 MAX 2,050 MIN 4.6 CFSM 1.87 IN 25.51

## 2-2130 5 Walnut Creek near Gray, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.8	11	15	40	20	35	41	18	7.7	22	73	7.8
2	5.8	11	15	35	23	48	37	17	7.6	21	33	13
3	5.3	11	15	30	18	39	37	16	7.7	20	27	13
4	86	11	98	27	18	36	113	15	8.7	20	23	9.2
5	1.100	11	57	26	18	31	90	14	7.6	31	20	8.0
6	104	11	39	26	24	31	72	13	7.7	34	21	7.4
7	48	11	29	25	128	29	52	13	8.2	297	21	6.6
8	34	11	26	24	58	30	47	12	895	226	28	5.8
9	27	11	24	23	41	28	41	12	81	50	30	7.7
10	22	11	21	23	44	27	35	12	33	31	21	11
11	18	11	21	22	35	26	33	12	505	24	20	10
12	16	11	25	21	59	61	34	11	904	766	29	9.0
13	16	11	25	20	92	48	30	10	117	84	31	8.8
14	16	11	21	18	152	39	26	9.9	62	48	19	7.9
15	25	11	18	18	86	35	25	9.4	975	37	101	7.8
16	45	11	18	21	60	31	28	9.4	206	32	37	7.8
17	27	12	18	18	586	74	23	9.3	84	25	19	8.1
18	18	12	18	18	344	401	21	8.8	52	21	15	8.8
19	16	13	17	18	94	77	21	8.7	38	18	13	10
20	15	25	24	18	62	92	46	9.5	32	17	12	8.6
21	14	16	26	18	51	54	25	19	29	16	12	8.5
22	13	13	20	17	41	47	22	11	27	15	11	8.5
23	13	13	20	21	37	57	20	9.6	26	33	9.6	8.7
24	12	16	20	62	43	120	18	9.1	25	38	11	11
25	12	73	792	30	96	92	18	8.6	24	18	11	14
26	12	25	8,400	26	45	115	20	8.8	23	16	9.0	10
27	12	18	150	23	39	126	49	8.0	23	14	9.1	10
28	12	17	100	21	36	69	45	25	28	133	10	9.7
29	11	18	75	21	-----	54	23	18	23	490	8.4	12
30	11	15	60	21	-----	48	20	9.5	22	68	7.7	17
31	11	-----	50	20	-----	48	-----	8.2	-----	51	7.9	-----
TOTAL	1,782.9	462	10,257	751	2,350	2,048	1,112	574.8	4,289.2	2,716	699.7	285.7
MEAN	57.5	15.4	331	24.2	83.9	66.1	37.1	12.1	143	87.0	22.6	9.52
MAX	1,100	73	8,400	62	586	401	113	25	975	766	101	17
MIN	5.3	11	15	17	18	26	18	8.0	7.6	14	7.7	5.8
CFSM	1.98	.53	11.4	.84	2.89	2.28	1.28	.42	4.93	3.02	.78	.33
IN.	2.29	.59	13.2	.96	3.01	2.63	1.43	.48	5.50	3.48	.90	.37
CAL YR 1964: TOTAL	30,618.8											
MEAN	83.7											
MAX	8,400											
MIN	5.3											
CFSM	2.88											
IN	39.27											
WAT YR 1965: TOTAL	27,128.3											
MEAN	74.3											
MAX	8,400											
MIN	5.3											
CFSM	2.56											
IN	34.79											

Note --No gage-height record Dec 26 to Jan 3

## ALTAHAHA RIVER BASIN

2-2135 Tobesofkee Creek near Macon, Ga

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

Drainage area --182 sq mi

Records available --March 1937 to September 1965

Gage --Digital water-stage recorder Datum of gage is 309.98 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Feb 3, 1938, staff gage, Feb 3, 1938, to Aug 27, 1942, wire-weight gage and Aug 28, 1942, to Apr 15, 1965, graphic water-stage recorder at same site and datum

Average discharge --28 years, 199 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,900 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 20, 1961	1400	2,680	12.2	Apr 1, 1962	1900	2,340	11.3	Apr 9, 1964	0100	* 7,230	20.1
Feb 25, 1961	2500	* 7,390	20.3	Apr 12, 1962	1800	2,600	12.0	Apr 28, 1964	2700	6,500	11.5
Mar 8, 1961	1600	2,500	11.2					May 3, 1964	2300	5,230	16.8
Apr 1, 1961	1600	3,350	13.8	Jan 21, 1963	0500	* 5,220	17.3				
Apr 15, 1961	2400	2,130	10.7					Oct 6, 1964	0600	5,770	18.1
				Jan 26, 1964	0900	1,950	10.5	Dec 26, 1964	1800	* 9,290	22.6
Feb 23, 1962	0800	* 5,100	16.6	Mar 4, 1964	0100	2,600	12.1	Feb 18, 1965	0900	2,250	11.0
Mar 12, 1962	2000	4,860	16.2	Mar 16, 1964	1500	3,050	13.0				

Annual minimum discharge, water years 1961-65					
Water year	Date	Discharge	Gage height	Water year	Discharge
1961	Sept 30, 1961	31	-	1964	Oct 30, 1963
1962	Sept 25, 1962	21	-	1965	Sept 23, 1965
1963	Sept 14, 1963	21	-		a 43

a Minimum daily

1937-65 Maximum discharge, 9,830 cfs Mar 21, 1944 (gage height, 23.2 ft), from rating curve extended above 6,300 cfs, minimum, 2.3 cfs Oct 10, 1954

Remarks --Records good

Revisions (water years) --WSP 1204 1942

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	SEPT.
1	140	61	55	118	70	386	2,920	281	146	86	80
2	98	64	54	118	67	443	1,510	986	140	84	74
3	80	56	54	84	66	306	518	374	132	90	68
4	70	54	54	70	67	255	415	332	128	84	67
5	66	54	55	66	66	252	326	268	120	84	62
6	64	54	55	64	64	229	274	242	115	72	61
7	62	54	56	64	67	602	252	233	110	84	74
8	64	54	56	64	86	1,920	216	270	108	118	64
9	67	55	56	61	86	1,010	223	200	100	122	60
10	66	55	55	60	76	503	249	303	95	86	55
11	60	61	60	60	70	348	196	393	95	76	54
12	60	61	66	60	66	284	1,340	574	120	128	54
13	60	60	61	61	66	255	1,290	415	161	152	53
14	56	60	56	76	64	255	546	300	110	120	54
15	56	60	56	105	61	223	1,350	242	102	102	62
16	54	58	62	80	60	200	1,560	210	120	84	55
17	54	58	66	68	60	183	824	183	128	74	48
18	51	61	61	64	74	193	458	170	120	67	44
19	50	61	60	66	728	213	351	164	108	80	44
20	50	58	56	76	2,520	193	294	152	98	66	48
21	53	58	61	78	1,890	190	262	140	186	152	48
22	54	58	64	66	654	193	242	161	242	161	45
23	54	55	60	62	920	177	226	361	146	100	43
24	54	58	61	62	1,460	161	213	383	115	120	41
25	50	60	62	64	5,910	149	200	233	118	84	39
26	48	60	62	78	5,480	143	316	220	132	72	36
27	50	60	62	110	972	140	776	271	146	66	35
28	53	56	62	118	473	146	1,010	223	132	62	33
29	53	56	62	92	-----	158	443	186	108	58	32
30	53	58	64	80	-----	146	310	167	98	56	31
31	54	-----	76	74	-----	1,170	-----	158	-----	52	-----
TOTAL	1,904	1,738	1,850	2,369	22,243	11,026	19,110	8,945	3,779	2,842	2,688
MEAN	61.4	57.9	59.7	76.4	794	356	637	289	126	91.7	86.7
MAX	140	64	76	118	5,910	1,920	2,920	986	242	161	258
MIN	48	54	54	60	60	140	186	140	95	52	48
CFSM	.34	.32	.33	.42	4.36	1.95	3.50	1.59	.69	.50	.48
IN.	.39	.36	.38	.48	4.55	2.25	3.90	1.83	.77	.58	.55
CAL YR 1960-	TOTAL 87,348			MEAN 239	MAX 2,840	MIN 22	CFSM 1.31	IN 17.85			
WAT YR 1961	TOTAL 80,058			MEAN 219	MAX 5,910	MIN 31	CFSM 1.21	IN 16.36			

## 2-21.5 Tobesofkee Creek near Macon, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	32	31	48	163	188	166	2,200	185	90	101	62	32
2	32	30	48	223	174	532	1,380	174	153	82	52	29
3	31	31	48	158	161	490	615	161	232	77	48	27
4	31	32	48	137	155	385	462	158	125	73	48	25
5	32	34	49	127	153	326	406	150	107	77	48	25
6	29	35	57	1,320	150	283	462	148	116	69	42	26
7	29	36	77	1,560	135	257	800	142	103	77	38	25
8	29	35	69	628	132	238	776	137	103	88	49	24
9	27	35	62	350	132	235	546	135	101	86	52	28
10	27	35	62	260	130	380	420	137	94	73	38	30
11	26	36	84	217	123	2,270	469	145	96	62	35	28
12	24	37	186	194	123	4,060	2,100	137	105	59	31	25
13	24	38	518	172	123	3,000	2,030	125	155	66	35	35
14	24	41	406	163	120	824	986	123	166	60	260	32
15	24	45	1,380	163	120	574	546	116	114	88	144	32
16	27	48	1,070	174	145	476	420	114	96	128	80	34
17	24	46	476	153	214	385	350	123	90	78	62	34
18	24	46	654	142	161	337	309	118	88	60	51	48
19	22	45	406	703	260	309	283	109	64	88	44	48
20	22	44	254	1,120	254	292	260	114	82	54	41	32
21	23	44	197	560	279	330	238	109	82	51	38	26
22	24	44	169	357	3,810	420	226	107	82	45	38	22
23	25	55	153	279	4,570	309	217	105	75	39	45	23
24	26	82	142	254	1,220	283	208	105	69	39	46	23
25	27	80	127	226	776	316	211	101	67	38	51	23
26	27	57	120	202	518	602	266	96	77	54	46	53
27	27	51	116	211	406	504	299	92	71	48	60	208
28	26	49	118	391	350	366	226	86	110	62	59	103
29	29	49	114	340	-----	316	208	82	302	107	60	60
30	29	48	105	247	-----	292	200	80	137	114	39	48
31	32	-----	103	214	-----	778	-----	82	-----	80	34	-----
TOTAL	835	1,319	7,466	11,408	15,082	20,535	18,119	3,796	3,376	2,199	1,762	1,209
MEAN	26.9	44.0	241	368	539	662	604	113	113	70.9	56.8	40.3
MAX	32	82	1,380	1,560	4,570	4,060	2,200	185	302	128	260	208
MIN	22	30	48	127	120	235	200	80	47	38	31	22
CFSM	.15	.24	1.32	2.02	2.96	3.64	3.32	.67	.62	.39	.31	.22
IN.	.17	.27	1.53	2.33	3.08	4.20	3.70	.78	.69	.45	.36	.25
CAL YR 1961	TOTAL 84,186			MEAN 231	MAX 9,910	MIN 22	CFSM 1.27			IN 17.20		
WAT YR 1962	TOTAL 87,106			MEAN 239	MAX 4,570	MIN 22	CFSM 1.31			IN 17.80		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	42	39	71	132	292	202	191	462	177	114	172	42
2	41	38	69	114	276	205	182	235	127	118	132	38
3	41	39	66	105	406	197	180	172	105	103	92	35
4	158	41	98	98	391	191	177	142	94	80	77	32
5	84	39	66	96	296	229	169	127	86	80	66	34
6	59	38	66	90	250	434	172	114	82	86	60	36
7	51	38	64	88	229	490	214	107	78	107	59	31
8	48	42	64	86	208	334	200	96	71	135	54	30
9	46	48	66	84	188	273	174	90	67	118	55	29
10	45	67	62	78	174	244	163	86	64	103	54	27
11	42	66	62	84	501	232	155	80	60	77	52	25
12	39	57	60	270	1,100	266	148	73	57	69	45	24
13	39	62	44	299	560	700	145	73	55	64	45	22
14	38	67	59	205	363	1,180	140	96	51	62	45	32
15	38	59	69	158	286	574	132	220	48	62	44	104
16	37	52	71	135	247	376	130	169	46	62	42	62
17	38	52	67	123	223	299	130	116	46	105	39	48
18	37	54	66	680	208	273	127	88	80	205	38	42
19	36	62	64	1,120	560	241	125	75	116	177	37	38
20	36	67	64	3,540	504	250	125	73	114	109	36	37
21	36	150	64	4,860	347	238	123	73	92	163	237	34
22	42	406	66	2,050	279	205	123	82	153	142	166	32
23	46	180	78	615	244	191	118	66	800	92	90	30
24	42	109	78	434	296	180	116	60	232	84	69	27
25	37	88	96	316	292	177	114	57	158	177	57	26
26	36	80	155	263	247	340	120	55	197	200	49	26
27	36	75	123	244	223	434	120	71	223	172	46	24
28	37	73	101	214	208	292	118	531	172	137	45	93
29	38	73	142	191	-----	238	137	986	145	116	46	560
30	39	73	276	226	-----	217	442	391	132	109	46	214
31	39	-----	174	357	-----	202	-----	241	-----	94	45	-----
TOTAL	1,425	2,334	2,639	17,355	9,398	9,904	4,710	5,307	3,928	3,532	2,140	1,834
MEAN	46.0	77.8	85.1	560	336	319	157	171	114	114	69.0	61.1
MAX	158	406	276	4,860	1,100	1,180	442	986	800	205	237	560
MIN	36	38	44	78	174	177	114	55	46	62	36	22
CFSM	.25	.43	.47	3.08	1.84	1.76	.86	.94	.72	.63	.38	.34
IN.	.29	.48	.54	3.55	1.92	2.02	.96	1.08	.80	.72	.44	.37
CAL YR 1962	TOTAL 83,884			MEAN 230	MAX 4,570	MIN 22	CFSM 1.26			IN 17.14		
WAT YR 1963	TOTAL 64,506			MEAN 177	MAX 4,860	MIN 22	CFSM .97			IN 13.18		



## 2-2135 Tobesofkee Creek near Macon, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	105	32	145	334	319	330	253	438	152	80	375	64
2	77	36	109	363	275	682	246	922	227	147	174	59
3	64	39	94	406	238	2,100	242	4,040	147	145	128	58
4	59	38	88	518	218	1,920	251	3,710	132	110	110	54
5	52	41	82	504	220	1,310	246	1,070	125	97	134	53
6	48	54	78	406	402	1,090	1,350	692	121	88	125	52
7	45	64	75	546	366	626	4,510	560	130	78	108	48
8	45	49	75	526	342	472	6,370	450	128	74	95	47
9	42	45	77	1,610	297	390	5,980	366	119	74	90	46
10	42	44	75	1,480	257	378	1,670	275	114	76	88	42
11	42	44	73	697	253	366	924	246	108	76	117	56
12	42	42	236	964	242	308	758	249	112	78	121	119
13	41	41	391	828	227	275	692	264	117	136	150	189
14	41	41	776	438	426	275	714	244	130	169	121	123
15	39	41	986	319	366	950	626	224	108	154	99	90
16	38	42	420	264	505	2,750	450	213	117	123	97	78
17	38	44	241	597	426	1,330	354	205	97	106	110	68
18	38	42	191	1,140	1,000	692	319	202	90	750	92	65
19	37	44	166	924	1,500	461	297	216	86	900	82	64
20	36	45	145	911	900	390	286	189	82	264	76	62
21	36	45	135	804	483	354	264	167	78	183	74	60
22	34	45	125	472	366	319	253	158	78	180	74	59
23	32	49	130	354	308	286	242	174	103	196	76	59
24	35	66	142	378	275	275	235	156	163	189	112	58
25	72	66	130	1,530	286	308	286	161	139	178	128	54
26	116	54	118	1,770	330	472	538	156	125	161	95	52
27	48	156	111	876	319	483	825	152	141	143	82	53
28	38	208	107	505	560	342	1,950	147	112	132	76	53
29	34	247	103	390	426	308	1,190	143	97	130	76	52
30	30	98	275	275	275	275	648	145	86	123	76	54
31	30	114	264	264	264	264	150	150	276	276	68	52
TOTAL	1,476	2,054	5,836	21,393	12,132	20,781	32,969	16,484	3,564	5,616	3,431	1,989
MEAN	47.6	68.5	188	690	418	670	1,099	532	111	181	111	66.3
MAX	116	250	986	1,770	1,500	2,750	6,370	4,040	227	900	375	189
MIN	30	32	73	264	218	264	235	143	78	74	68	42
CFSM	26	38	1.03	3.79	2.30	3.68	6.04	2.92	65	1.00	61	36
IN.	30	42	1.19	4.37	2.48	4.25	6.74	3.37	73	1.15	70	41

CAL YR 1964: TOTAL 127,723 MEAN 433 MAX 2,998 MIN 36 CFSM 1.92 IN 32.78

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	60	99	123	302	158	266	311	210	72	106	206	48
2	65	95	119	266	172	305	294	196	70	97	165	55
3	66	97	117	300	174	328	280	181	65	92	117	78
4	386	97	172	261	156	280	480	168	68	90	97	82
5	3,380	97	330	226	148	258	724	155	74	88	89	69
6	4,820	97	231	212	161	247	752	148	74	101	86	61
7	1,310	95	194	204	524	234	495	145	73	115	104	55
8	538	97	167	193	611	226	394	142	237	122	188	51
9	390	95	161	185	353	220	347	138	147	203	295	53
10	286	97	150	185	319	212	314	134	113	146	251	61
11	176	97	145	180	269	207	291	132	304	115	198	73
12	150	97	161	172	316	272	277	127	621	123	151	68
13	136	99	220	163	611	394	274	120	285	118	123	59
14	132	101	187	161	724	291	255	116	271	115	108	55
15	150	101	165	158	696	252	240	113	961	100	99	53
16	249	99	154	163	466	239	249	109	834	95	102	52
17	275	103	150	139	1,250	289	254	104	445	89	89	50
18	189	103	150	153	2,090	1,180	225	101	265	81	83	48
19	152	103	147	148	1,210	936	250	98	190	74	77	50
20	132	119	161	146	582	596	893	95	154	69	72	49
21	125	139	202	146	422	394	369	92	131	69	68	45
22	119	119	148	347	392	319	920	94	119	67	64	44
23	114	106	169	151	302	496	247	89	114	65	61	43
24	108	110	165	367	308	724	228	85	107	70	60	45
25	106	222	1,260	359	626	780	210	83	118	67	58	56
26	103	224	7,120	244	408	553	232	101	121	63	56	54
27	103	163	5,570	215	314	912	465	104	112	65	54	48
28	101	141	1,830	188	286	640	518	95	124	83	54	46
29	101	145	960	180	-----	437	262	96	126	219	59	48
30	101	134	640	174	-----	394	237	86	115	401	53	58
31	99	-----	437	172	-----	342	-----	78	-----	215	49	-----
TOTAL	14,222	3,491	21,940	6,252	14,003	13,223	10,657	3,773	6,512	3,523	3,336	1,657
MEAN	459	116	708	202	500	427	355	120	217	114	108	55.2
MAX	4,820	224	7,120	367	2,090	1,180	893	210	961	401	295	82
MIN	60	95	117	139	148	207	210	78	65	43	49	43
CFSM	2.52	64	3.89	1.11	2.75	2.34	1.95	66	1.19	62	59	30
IN.	2.91	71	4.48	1.28	2.86	2.70	2.18	76	1.33	72	68	34

CAL YR 1964: TOTAL 158,012 MEAN 432 MAX 7,120 MIN 43 CFSM 2.37 IN 26.82

2-2145 Big Indian Creek at Perry, Ga

Location --Lat 32°27', long 83°44', at municipal waterworks at Perry, Houston County, on left bank 300 ft downstream from bridge on U S Highway 41, 1 mile downstream from Bay Creek, and 3 1/2 miles upstream from Flat Creek

Drainage area --108 sq mi

Records available --September 1943 to September 1965

Gage --Digital water-stage recorder Datum of gage is 279.39 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Sept 24, 1953, staff gage and Sept 24, 1953, to Mar 9, 1965, graphic water-stage recorder at same site and datum

Average discharge --22 years, 87.2 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (500 cfs), water years 1961-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 21, 1961	0200	506	4.92	Apr 8, 1962	2000	1,320	7.13	Apr 9, 1964	0500	* 2,190	8.7
Apr 1, 1961	1700	* 1,250	7.0	Apr 13, 1962	1000	607	5.29	Apr 28, 1964	0900	718	5.63
Apr 13, 1961	0900	880	6.12	Jan 21, 1963	2000	* 625	5.35	May 3, 1964	1400	1,160	6.8
Jan 6, 1962	2200	* 2,410	9.02	Jan 10, 1964	-	700	5.60	July 19, 1964	1900	718	5.71
Feb 20, 1962	0900	518	4.95	Feb 19, 1964	-	980	6.34	Dec 26, 1964	0400	* 1,410	7.12
Mar 12, 1962	1300	718	5.65	Mar 5, 1964	2400	640	5.41	Feb 18, 1965	1300	1,020	6.35
Apr 1, 1962	1600	637	5.39					Apr 16, 1965	1300	684	5.61

Annual minimum discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Aug 19, 1961	36	-	1964	Oct 11, 1963	32	-
1962	Oct 15, 1961	36	-	1965	July 27, 1965	51	-
1963	June 16, 1963	26	-				

1943-65 Maximum discharge, 3,000 cfs Mar 23, Apr 23, 1944 (gage height, 8.6 ft, from graph based on gage readings), minimum unregulated, 12 cfs July 25, 1957, minimum daily, 11 cfs July 17, 1957 (caused by construction above gage)

Revisions --The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers indicated.

WSP	Water year	Date	Discharge (cfs)	Gage height (feet)	WSP	Water year	Date	Discharge (cfs)	Gage height (feet)
1384	1955	Apr 15, 1955	1,420	7.34	1624	1959	Feb 5, 1959	568	5.13
1504	1957	May 5, 1957	840	5.97	1704	1960	Apr 5, 1960	1,000	6.42
1554	1958	July 20, 1958	1,040	6.48					

Remarks --Records fair

Revisions (water years) --WSP 1274 1944-47 Revised figures of discharge, in cubic feet per second, for high-water periods in the water years 1955, 1957, 1958, 1960, and supplemental peak discharges for 1957-60, superseding figures published in WSP 1384, 1504, 1554, 1624, and 1704, are given herewith

1955				1958-Con	
Apr 15	1,080			Mar 10	580
				July 20	595
1957				21	655
May 5	670				
1958				1960	
Mar 8	580			Feb 11	595
9	625			Apr 14	805
				Apr 5	860

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
April 1955	3,672	1,080	46	122	1.13	1.26
Water year 1954-55	19,218	1,080	21	52.7	488	6.62
Calendar year 1955	16,701	1,080	21	51.2	474	6.43
May 1957	3,514	670	42	113	1.05	1.21
Water year 1956-57	22,784	670	11	62.4	578	7.85
Calendar year 1957	26,023	670	11	71.3	660	8.96
March 1958	6,007	625	104	194	1.80	2.08
July 1958	5,391	655	64	174	1.61	1.86
Water year 1957-58	37,813	655	42	104	963	13.03
Calendar year 1958	36,336	655	42	99.6	922	12.53
February 1960	6,299	805	85	217	2.01	2.17
April 1960	6,118	860	88	204	1.89	2.11
Water year 1959-60	40,531	860	44	111	1.03	13.96

Revised peak discharge --1956-57 May 5 (1100) 840 cfs (5.97 ft), June 5 (2300) 506 cfs (4.90 ft), July 28

(1000) 506 cfs (4.92 ft)

1957-58 Mar 8 (2300) 718 cfs (5.63 ft), July 20 (2200) 1,040 cfs (6.48 ft)

1958-59 Feb. 5 (1700) 568 cfs (5.13 ft), Feb 9 (2200) 555 cfs (5.08 ft), Mar 6 (2400) 530 cfs

(5.02 ft)

1959-60 Feb. 11 (2000) 805 cfs (5.92 ft), Feb 14 (1000) 940 cfs (6.24 ft), Mar 4 (0400) 506 cfs

(4.90 ft), Mar 31 (0800) 530 cfs (5.02 ft), Apr 5 (1200) 1,000 cfs (6.42 ft)

# ALTAMAHA RIVER BASIN

2-2145 Big Indian Creek at Perry, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	82	64	62	160	72	112	1,010	108	70	62	40	101	
2	64	60	60	166	72	172	618	214	67	56	38	85	
3	58	58	60	88	72	155	261	220	62	52	39	67	
4	56	56	60	72	82	108	172	124	62	62	62	58	
5	54	56	60	70	77	98	150	98	60	58	77	58	
6	52	54	62	67	72	94	129	94	58	54	62	60	
7	58	54	62	67	108	91	139	88	56	58	60	88	
8	60	56	62	67	139	91	124	82	54	58	74	94	
9	64	56	62	64	101	98	124	82	54	56	144	72	
10	64	58	60	64	82	85	214	120	52	52	112	60	
11	60	62	72	62	74	80	190	116	56	54	62	54	
12	56	60	101	64	72	77	347	134	54	116	54	50	
13	54	62	80	70	72	77	718	124	54	104	49	47	
14	56	62	67	139	72	80	386	98	58	80	45	47	
15	56	60	72	166	72	80	268	92	60	70	44	80	
16	54	60	94	101	70	74	338	74	74	58	42	80	
17	52	62	80	77	70	74	309	70	85	54	39	54	
18	52	67	70	70	74	85	202	64	77	52	37	47	
19	52	67	67	72	247	120	155	64	67	50	37	45	
20	60	64	64	101	446	104	134	60	70	47	44	47	
21	58	62	80	85	434	139	120	60	178	46	64	47	
22	54	62	88	72	214	129	116	58	196	46	70	44	
23	54	62	74	70	172	98	108	94	116	54	50	42	
24	54	64	67	70	268	85	104	196	101	50	69	41	
25	52	64	67	74	254	80	101	134	88	47	220	40	
26	52	64	67	104	190	77	108	108	72	47	116	39	
27	52	64	67	150	139	74	196	155	85	58	77	39	
28	54	64	67	124	108	74	268	129	134	88	112	38	
29	54	64	67	91	-----	77	210	94	116	58	144	37	
30	54	64	77	80	-----	77	120	82	74	48	74	38	
31	56	-----	94	74	-----	216	-----	74	-----	43	72	-----	
TOTAL	1,758	1,832	2,192	2,801	3,925	3,081	7,439	3,300	2,410	1,838	2,229	1,699	
MEAN	56.7	61.1	70.7	90.4	140	99.4	248	106	80.3	59.3	71.9	56.6	
MAX	82	67	101	166	446	216	1,010	220	196	116	220	101	
MIN	52	54	60	62	70	74	101	58	52	43	37	37	
CFSM	53	57	65	84	130	92	230	74	55	47	67	52	
IN.	.61	.63	.75	.96	1.35	1.06	2.56	1.14	.83	.63	.77	.59	
CAL YR 1960:	TOTAL	38,166		MEAN	104								
WAT YR 1961:	TOTAL	34,504		MEAN	94.5	MAX	1,040	MIN	44	CFSM	.97	IN	13.14
						MAX	1,010		37	CFSM	.88	IN	11.88

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	39	44	50	92	89	172	554	107	190	85	73	44	
2	39	44	50	111	86	234	386	99	227	68	61	43	
3	39	45	51	79	84	409	209	92	130	62	74	44	
4	39	44	51	66	82	363	147	88	93	64	74	43	
5	38	44	51	64	81	204	132	86	75	64	61	64	
6	37	47	58	1,190	81	143	158	85	81	63	54	60	
7	37	49	78	1,310	74	339	78	63	78	128	52	53	
8	38	48	68	443	74	116	956	81	150	113	63	57	
9	38	46	58	249	76	113	733	79	144	107	66	57	
10	38	46	58	155	78	131	373	77	97	81	54	53	
11	37	46	104	132	76	349	249	76	117	63	49	50	
12	37	47	117	117	685	239	56	374	58	50	47	50	
13	37	48	286	107	73	495	557	74	243	56	48	51	
14	38	50	270	101	73	291	388	72	113	56	91	50	
15	37	51	194	102	73	201	238	69	90	58	171	87	
16	37	52	280	108	107	191	176	68	78	58	73	103	
17	38	51	173	98	139	154	154	63	75	56	70	58	
18	38	50	147	91	97	129	145	66	70	70	54	80	
19	39	50	173	132	253	122	138	64	69	60	51	61	
20	39	49	107	168	473	119	132	63	78	54	48	52	
21	38	49	81	123	251	123	125	61	121	51	47	48	
22	40	50	99	191	129	129	120	61	109	54	44	45	
23	40	66	70	95	197	119	117	61	78	49	60	45	
24	40	129	68	109	153	111	115	60	72	47	52	45	
25	41	104	65	105	136	123	195	59	78	47	51	46	
26	41	65	63	93	116	213	227	58	73	49	59	81	
27	40	65	62	98	175	155	155	57	65	50	91	220	
28	40	53	64	161	104	121	153	56	83	84	68	101	
29	42	52	64	169	-----	109	125	55	160	296	56	59	
30	43	51	61	111	-----	105	115	53	126	278	50	52	
31	44	-----	60	95	-----	206	-----	62	-----	149	46	-----	
TOTAL	1,209	1,625	3,185	6,169	3,500	6,274	7,950	2,214	3,535	2,574	1,956	1,913	
MEAN	38.0	50.2	50.2	112.9	73.0	105.7	126.5	67.9	73.9	58.3	51.3	51.3	
MAX	44	129	286	1,310	473	685	956	107	374	296	171	220	
MIN	37	44	50	64	73	105	115	53	65	47	46	43	
CFSM	.36	.50	.95	1.84	1.16	1.87	2.45	.66	1.09	.77	.58	.59	
IN.	.42	.56	1.10	2.12	1.21	2.16	2.74	.76	1.22	.89	.67	.66	
CAL YR	1961.	TOTAL	36,761	MEAN	95.2	MAX	1,010	MIN	37	CFSM	.88	IN	11.26
MAY YR	1962.	TOTAL	42,104	MEAN	115	MAX	1,310	MIN	37	CFSM	1.07	IN	11.26

## 2-2145 Big Indian Creek at Perry, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	54	60	68	109	73	58	172	42	50	168	36
2	58	54	58	64	92	77	57	98	37	60	110	34
3	68	54	56	64	109	76	57	62	35	60	58	32
4	80	54	56	62	120	71	56	54	33	50	48	34
5	88	54	56	62	95	72	55	50	32	44	44	32
6	64	54	58	64	86	90	64	48	32	43	40	30
7	56	54	56	66	83	155	150	46	36	102	37	30
8	54	56	60	64	80	98	140	45	35	108	37	30
9	60	86	70	62	78	79	87	45	32	74	36	29
10	56	116	64	62	76	76	71	43	31	56	34	29
11	52	80	60	64	122	75	66	41	30	47	33	28
12	50	66	56	132	283	74	63	41	29	42	32	28
13	50	76	54	184	201	94	65	42	28	37	32	28
14	50	66	54	140	104	104	59	49	27	36	41	36
15	52	62	58	86	86	82	55	73	27	41	43	40
16	54	60	62	73	78	74	53	58	26	45	37	36
17	52	62	64	70	75	72	52	48	34	52	34	32
18	50	64	60	92	72	72	51	43	116	135	34	30
19	50	68	58	206	120	69	51	41	112	338	34	30
20	49	68	58	363	160	74	51	40	95	158	32	30
21	52	86	58	595	108	78	50	41	98	82	32	30
22	86	155	62	428	83	63	50	42	100	77	33	36
23	83	136	66	172	74	58	49	42	155	58	33	32
24	60	76	62	132	91	59	47	40	98	64	32	28
25	52	62	68	109	124	59	50	39	77	139	30	28
26	52	60	86	98	94	65	73	38	77	104	30	30
27	52	58	73	98	79	82	68	39	85	70	31	34
28	52	58	66	88	73	73	62	39	77	56	33	140
29	54	60	76	83	-----	63	83	50	60	49	33	190
30	54	62	102	92	-----	60	116	90	54	92	36	130
31	54	-----	80	124	-----	58	-----	54	-----	98	38	-----
TOTAL MEAN	1,794 57.9	2,121 70.7	1,977 63.8	4,067 131	2,955 106	2,375 76.6	2,009 67.0	1,653 53.3	1,750 56.7	2,567 79.6	1,325 42.7	1,312 43.7
MAX	88	155	102	595	283	155	150	172	155	338	168	190
MIN	49	54	54	62	58	47	26	36	36	28	30	28
CFSM	.54	.65	.59	1.21	.98	.71	.62	.49	.54	.74	.40	.40
IN.	.62	.73	.68	1.40	1.02	.82	.69	.57	.60	.85	.46	.45

CAL YR 1963. TOTAL 41,977 MEAN 116 MAX 1,310 MIN 53 CFSM 1.06 IN 14.45  
 MAY YR 1963. TOTAL 25,805 MEAN 70.7 MAX 1,395 MIN 26 CFSM 1.63 IN 8.99

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	64	37	62	219	116	145	98	145	83	83	124	62
2	45	49	52	294	120	145	98	330	78	283	109	58
3	40	48	50	262	95	412	98	960	78	211	86	54
4	37	43	49	179	86	470	106	568	73	106	76	52
5	36	44	49	106	86	422	112	338	73	120	73	52
6	34	58	48	80	124	410	175	232	70	86	78	52
7	34	58	47	98	136	242	518	184	83	70	76	52
8	33	48	49	256	128	166	778	166	88	66	54	54
9	33	41	54	610	128	136	1,630	146	78	66	64	50
10	43	40	52	625	102	132	610	136	70	68	70	50
11	32	40	50	352	102	128	362	132	66	98	124	62
12	33	40	80	316	116	116	272	124	64	88	242	152
13	34	39	136	386	98	106	223	124	70	128	223	252
14	34	38	166	262	124	106	232	120	73	178	120	142
15	34	38	160	140	160	116	252	112	66	160	92	80
16	34	39	98	116	160	150	206	106	62	98	83	68
17	34	39	68	203	155	124	160	102	58	80	62	80
18	34	40	60	350	424	102	145	95	58	116	88	58
19	33	40	56	279	805	95	136	92	56	448	80	56
20	33	41	54	146	398	98	132	92	56	372	70	58
21	33	41	54	350	242	98	124	88	70	191	64	58
22	33	41	54	252	172	95	120	140	64	374	83	56
23	33	48	60	155	136	88	116	160	76	374	92	54
24	34	68	76	112	124	88	112	106	178	155	80	54
25	36	58	62	106	136	98	109	92	160	116	73	52
26	37	49	56	232	172	204	112	86	92	106	66	50
27	37	66	54	150	160	294	340	80	88	98	60	50
28	36	86	54	102	178	172	625	78	95	124	64	56
29	36	112	52	86	191	120	327	73	78	136	92	56
30	35	88	50	83	-----	109	178	76	66	112	83	54
31	35	-----	82	88	-----	102	-----	80	-----	109	68	-----
TOTAL MEAN	1,109 35.8	1,517 50.6	2,098 67.7	6,995 226	5,174 178	5,289 171	8,506 284	5,362 173	2,370 79.0	4,820 155	2,851 92.0	2,066 68.9
MAX	64	112	166	625	805	470	1,630	960	178	448	242	252
MIN	32	37	67	80	86	88	98	73	66	60	60	50
CFSM	.33	.47	.63	2.09	1.65	1.58	2.63	1.60	.73	1.44	.85	.64
IN.	.38	.52	.72	2.41	1.78	1.82	2.93	1.85	.82	1.66	.98	.71

CAL YR 1963. TOTAL 44,637 MEAN 67.5 MAX 595 MIN 26 CFSM .63 IN 8.48  
 MAY YR 1964. TOTAL 48,157 MEAN 132 MAX 1,630 MIN 32 CFSM 1.22 IN 16.58

# ALTAMAHA RIVER BASIN

2-2145. Big Indian Creek at Perry, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	58	69	84	152	100	135	195	87	67	78	84	54
2	68	68	79	147	115	152	175	87	60	71	178	65
3	81	68	79	143	119	180	152	84	62	66	215	150
4	189	68	104	139	100	156	170	78	76	67	89	159
5	288	67	160	127	96	139	236	74	71	78	73	91
6	257	66	147	119	104	135	212	75	64	111	75	76
7	175	66	107	119	194	131	165	74	69	143	117	67
8	98	67	90	119	224	131	156	73	139	115	150	57
9	81	67	84	115	143	127	152	74	195	79	263	55
10	74	66	84	119	135	119	143	79	180	70	350	65
11	70	66	84	123	127	119	135	73	111	64	210	96
12	67	67	93	111	127	156	131	70	190	96	225	107
13	62	68	119	107	195	257	170	68	280	180	388	79
14	68	72	100	104	243	212	160	62	218	160	213	66
15	147	73	84	104	257	147	127	59	264	100	124	63
16	200	74	79	107	200	135	123	58	538	119	117	62
17	190	76	79	111	350	135	119	58	426	93	125	60
18	123	74	87	104	800	272	111	56	296	74	96	59
19	90	74	93	100	500	314	107	55	224	60	84	92
20	80	104	90	96	296	224	131	55	147	56	80	116
21	73	127	115	96	218	212	139	55	115	54	74	77
22	71	90	107	96	185	165	119	115	100	93	69	69
23	71	77	93	100	165	156	111	119	87	53	64	104
24	74	90	90	170	165	296	104	84	87	56	60	91
25	71	143	535	180	195	296	107	84	96	55	64	112
26	70	190	940	127	180	224	131	81	131	54	67	111
27	70	131	550	119	147	206	123	66	123	66	63	82
28	79	100	393	104	139	250	111	79	143	107	67	73
29	115	111	243	96	-----	195	100	180	111	257	70	84
30	84	100	185	96	-----	165	90	170	84	257	63	114
31	71	-----	165	107	-----	165	-----	90	-----	127	56	-----
TOTAL	3,315	2,579	5,342	3,657	5,819	5,706	4,205	2,524	4,754	3,019	3,973	2,556
MEAN	107	86.0	172	118	208	184	140	81.4	158	97.4	128	85.2
MAX	288	190	940	180	800	314	236	180	538	257	388	159
MIN	58	66	79	96	96	119	90	55	60	53	56	54
CFSM	.99	.80	1.60	1.09	1.92	1.70	1.30	.75	1.47	.90	1.19	.79
IN.	1.14	.89	1.84	1.26	2.00	1.96	1.45	.87	1.64	1.04	1.37	.88
CAL YR 1964: TOTAL	24,669			MEAN 149								
WAT YR 1965: TOTAL	47,449			MEAN 130		MAX 1,630	MIN 50	CFSM 1.3	IN 18.83			
						940	53	CFSM 1.20	IN 16.34			

Location --Lat 31°51', long 82°50', on downstream side of highway bridge on State Highway 117, 2.5 miles upstream from mouth and 10 miles southwest of Lumber City, Telfair County

Extremes --Maximum and minimum discharges for the period October 1959 to December 1961 are contained in the following table

1958-61 Maximum discharge, 3,000 cfs Mar 7, 1959 (gage height, 13.9 ft), minimum, 1.8 cfs  
Oct 29, 1958, Aug 1, Oct 30, 1961

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.9	225	20	106	270	345	405	97	4.0	4.3	4.3	40
2	2.6	196	19	103	245	290	752	85	6.6	3.8	8.8	36
3	2.6	196	19	117	192	405	1,800	85	13	3.6	12	51
4	2.6	145	19	148	184	548	2,700	88	19	3.6	11	100
5	2.6	90	19	172	381	600	2,700	72	11	5.1	7.2	142
6	2.6	62	21	188	502	600	2,800	54	13	16	5.2	138
7	2.6	63	26	230	544	477	1,800	43	16	21	4.5	49
8	6.4	29	29	260	333	1,050	79	26	7.0	24	4.0	26
9	8.9	56	29	250	417	280	800	112	19	75	3.6	19
10	8.5	51	27	225	300	280	640	94	20	68	3.6	16
11	9.8	46	25	192	333	310	530	109	15	85	3.4	17
12	5.0	34	34	152	393	452	91	112	10.0	76	3.4	16
13	5.0	40	69	124	905	441	370	91	7.2	38	3.1	13
14	5.0	39	88	110	1,800	441	325	57	6.3	28	6.8	11
15	28	38	88	103	2,000	393	290	38	5.6	26	3.1	9.2
16	18	38	85	100	1,380	369	255	29	5.0	117	4.7	7.7
17	13	37	74	93	852	357	230	22	5.6	103	20	6.3
18	10	36	376	100	628	357	205	18	8.4	82	23	5.7
19	8.9	32	670	110	502	333	184	15	9.2	106	12	5.4
20	7.6	30	670	120	453	280	172	13	14	47	7.7	5.2
21	8.0	28	628	120	429	225	156	11	17	22	5.4	4.7
22	13	27	544	117	441	180	168	9.4	15	17	4.7	4.2
23	12	26	381	96	516	156	164	7.9	16	13	6.6	3.8
24	12	26	250	76	586	142	196	7.0	11	11	16	3.7
25	9.8	29	188	69	670	142	168	6.6	8.4	8.9	23	3.7
26	8.3	29	156	66	684	148	112	5.9	7.2	7.5	146	5.4
27	7.0	27	138	72	614	160	85	5.4	10	6.1	176	4.8
28	6.8	131	117	117	544	164	7.2	5.2	172	5.2	176	8.8
29	57	24	128	160	441	164	64	5.7	5.2	200	36	3.7
30	225	22	120	260	_____	192	66	4.7	5.0	97	46	_____
31	245	_____	114	290	_____	345	_____	4.2	_____	4.5	60	_____
TOTAL	756.1	1,790	5,185	4,446	17,734	9,846	19,707	1,385.1	336.4	1,087.6	1,058.1	830.6
MEAN	24.4	59.7	167	143	612	318	657	44.7	11.2	35.1	32.1	27.7
MAX	245	225	670	290	2,000	600	2,800	60	26	117	200	142
MIN	2.6	22	19	66	184	142	64	4.2	4.0	3.6	3.1	3.7
CFSH	.16	.38	1.08	.93	3.95	2.05	4.24	.29	.07	.23	.22	.18
IN.	.18	.43	1.24	1.07	4.26	2.36	4.73	.33	.08	.26	.25	.20
CAL YR 1959: TOTAL	69,107.3			MEAN 189		MAX 2,800	NIN 2.6	CFSH 1.22	IN 16.58			
MAT YR 1960: TOTAL	64,162.1			MEAN 175		MAX 2,800		CFSH 1.13	IN 15.39			

## 2-2154 Big Horse Creek near Lumber City, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	3.7	3.0	16	62	145	381	321	27	14	2.2	260
2	48	3.6	3.0	16	50	206	465	220	19	10	2.5	310
3	34	3.2	3.1	16	42	250	530	156	16	7.0	2.8	453
4	20	3.1	3.1	11	41	200	489	138	12	5.2	4.5	345
5	15	3.1	3.2	9.4	40	160	321	128	8.9	4.7	4.8	220
6	12	3.1	3.2	8.4	38	145	184	103	7.2	4.0	11	152
7	12	2.7	3.1	7.7	94	130	134	76	5.7	3.8	10	168
8	16	2.7	3.2	7.2	148	120	118	57	5.2	3.2	6.6	124
9	17	3.2	3.1	7.0	160	110	128	46	4.7	3.2	9.7	106
10	15	3.1	3.1	6.6	160	100	280	70	4.3	7.7	11	100
11	13	3.1	3.4	6.3	156	90	417	103	4.2	5.9	8.2	94
12	10	3.4	4.5	6.1	124	80	586	115	3.8	7.2	5.7	94
13	8.7	3.6	4.0	6.8	85	72	852	121	3.7	10	4.5	100
14	7.2	3.7	4.2	24	68	66	902	106	4.0	12	4.2	88
15	6.1	3.4	6.0	42	58	58	1,020	79	8.2	8.4	11	75
16	5.7	3.2	7.7	37	53	53	1,850	53	6.6	5.9	40	56
17	5.4	3.2	6.8	29	49	48	1,850	36	5.7	5.4	51	44
18	5.0	3.2	6.6	24	47	62	1,340	26	5.6	5.0	71	33
19	4.7	3.4	5.6	20	82	134	836	20	4.7	4.0	38	26
20	5.0	3.4	4.8	27	145	184	490	16	4.8	3.4	24	21
21	5.0	3.4	4.8	28	180	321	400	13	8.2	3.0	53	19
22	4.8	3.4	5.6	27	168	429	300	12	16	3.1	172	18
23	4.5	3.2	5.2	24	180	465	200	62	24	6.1	516	17
24	4.2	3.4	5.2	20	270	441	150	160	22	3.7	489	15
25	4.2	3.7	5.2	22	310	333	120	145	18	4.7	290	13
26	3.7	3.7	4.8	42	260	200	110	118	12	5.6	300	10
27	3.6	3.6	4.8	79	188	131	90	152	10	4.5	393	8.7
28	3.4	3.4	4.7	85	148	103	100	180	8.7	4.5	393	7.2
29	3.4	3.4	4.5	85	-----	88	280	164	19	3.6	820	6.1
30	3.2	3.2	5.2	88	-----	79	357	109	18	2.7	656	5.4
31	3.2	-----	7.2	76	-----	148	-----	42	-----	2.2	381	-----
TOTAL	353.0	99.5	141.9	903.5	3,406	5,145	15,280	3,147	317.2	173.7	4,785.7	2,988.4
MEAN	11.4	3.32	4.58	29.1	122	166	509	102	10.6	5.60	154	98.6
MAX	50	3.7	7.7	88	310	465	1,850	321	27	14	820	453
MIN	3.2	2.7	3.0	6.1	38	48	90	12	3.7	2.2	2.2	5.4
CFSM	.07	.02	.03	.19	.78	1.07	3.29	.65	.07	.04	1.00	.64
IN.	.08	.02	.03	.22	.82	1.23	3.67	.76	.08	.04	1.15	.72
CAL YR 1960: TOTAL	57,025.4			MEAN 156		MAX 2,800		MIN 2.7		CFSM 1.01		IN 13.68
WAT YR 1961: TOTAL	36,740.9			MEAN 101		MAX 1,850		MIN 2.2		CFSM .65		IN 8.82

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER TO DECEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.0	2.2	3.0									
2	4.7	2.1	3.0									
3	4.5	2.2	2.8									
4	4.0	2.2	2.7									
5	3.7	2.2	2.7									
6	3.6	2.4	2.8									
7	3.4	2.7	3.7									
8	3.2	2.5	3.4									
9	3.1	2.4	3.1									
10	3.0	2.4	3.0									
11	2.8	2.5	3.1									
12	2.8	2.7	5.4									
13	2.8	2.7	27									
14	3.0	2.7	17									
15	2.8	2.8	27									
16	2.7	2.8	35									
17	2.8	2.7	32									
18	2.7	2.7	34									
19	2.7	2.7	36									
20	2.7	2.7	40									
21	2.4	2.7	40									
22	2.5	2.7	34									
23	2.5	8.8	28									
24	2.5	9.4	24									
25	2.4	5.2	21									
26	2.2	4.0	19									
27	2.2	3.6	19									
28	2.2	3.4	23									
29	2.5	3.1	26									
30	2.2	2.8	24									
31	2.4	-----	22									
TOTAL	92.0	96.0	566.7									
MEAN	2.97	3.20	18.3									
MAX	5.0	9.4	40									
MIN	2.2	2.1	2.7									
CFSM	.02	.02	.12									
IN.	.02	.02	.14									
CAL YR 1961: TOTAL	36,901.2			MEAN 101		MAX 1,850		MIN 2.1		CFSM .65		IN 8.85
WAT YR 1962: TOTAL				MEAN		MAX		MIN		CFSM		IN

## 2-2155 Ocmulgee River at Lumber City, Ga

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

Drainage area --5,180 sq mi, approximately

Records available --October 1936 to September 1965 Gage-height records collected at same site since 1908 are contained in reports of U S Weather Bureau

Gage --Digital water-stage recorder Datum of gage is 87 48 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Nov 8, 1937, staff gage and Nov 8, 1937, to Aug 30, 1965, graphic water-stage recorder at same site and datum

Average discharge --29 years, 5,557 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Mar 8, 1961	43,500	18 9	Nov 11, 1960	1,550	-
1962	Mar 7, 1962	22,300	14 6	Nov 6-11, 1961	1,400	-
1963	Feb 1, 1963	26,600	15 5	Nov 8, 1962	1,500	-
1964	Apr 18, 1964	48,900	19 0	Oct 29-31, Nov 1, 4-8, 1963	1,490	-
1965	Jan 6, 1965	29,200	16 0	Aug 27, Sept 22, 23, 1965	2,260	-

1936-65 Maximum discharge, 70,000 cfs Dec 8, 1948, maximum gage height, 22 7 ft Dec 9, 1948, minimum discharge, 808 cfs Oct 30 to Nov 3, 1954

Maximum discharge known since at least 1841, 98,400 cfs Jan 21, 1925, from rating curve extended above 67,000 cfs on basis of records of peak flow for stations on Oconee, Ocmulgee and Altamaha Rivers, maximum stage known, 26 3 ft Jan 21, 1925 (backwater from Oconee River)

Remarks --Records good Flow regulated by Lloyd Shoals Reservoir (see station 2-2100)

Revisions (water years) --WSP 1504 1937

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,730	1,670	1,670	1,920	2,950	6,680	6,290	10,400	5,630	4,590	2,440	4,670
2	1,850	1,610	1,670	1,980	2,890	8,260	6,580	9,320	5,630	4,910	2,370	4,830
3	2,240	1,610	1,670	2,110	2,700	11,500	6,680	8,560	5,630	5,230	2,310	4,990
4	2,630	1,610	1,730	2,110	2,500	17,500	6,680	8,260	5,630	5,630	2,180	5,230
5	2,890	1,670	1,730	2,240	2,440	26,600	6,780	8,110	5,470	5,820	2,050	5,390
6	3,070	1,670	1,790	2,310	2,370	39,000	7,100	8,110	5,070	5,910	2,050	5,470
7	3,010	1,670	1,790	2,370	2,570	40,000	7,680	8,260	4,190	5,820	2,050	5,550
8	2,570	1,610	1,730	2,310	2,890	43,000	8,710	8,560	3,550	5,630	2,050	5,310
9	2,240	1,610	1,730	2,240	2,950	37,000	10,200	8,710	3,250	5,150	2,110	4,590
10	2,110	1,610	1,730	2,240	2,890	33,000	13,900	8,860	3,070	4,270	2,180	3,730
11	2,180	1,610	1,730	2,180	2,890	29,000	17,200	8,710	2,950	3,850	2,180	3,610
12	2,180	1,610	1,730	2,050	3,010	21,200	19,900	8,710	2,830	3,850	2,370	3,670
13	2,110	1,610	1,730	1,980	3,070	18,800	21,100	8,710	2,760	3,850	2,760	3,730
14	2,050	1,610	1,730	2,050	2,890	15,700	19,900	8,610	2,700	3,790	3,070	3,790
15	1,920	1,610	1,790	2,110	2,760	12,200	18,800	8,110	2,630	3,490	3,250	3,610
16	1,920	1,610	1,790	2,110	2,570	10,200	20,300	7,680	2,630	3,490	3,310	3,250
17	1,980	1,610	1,850	2,050	2,440	9,160	21,500	7,320	2,630	3,610	3,070	3,130
18	2,050	1,670	1,920	2,050	2,440	9,010	21,900	7,100	2,630	3,790	2,630	3,070
19	2,110	1,670	1,920	2,180	2,500	9,480	20,700	6,990	2,570	3,910	2,370	2,830
20	2,050	1,670	1,980	2,240	2,700	9,820	19,200	6,990	2,570	3,970	2,240	2,630
21	1,920	1,670	1,980	2,240	2,830	10,400	18,500	7,210	2,760	3,970	2,310	2,500
22	1,790	1,670	1,980	2,240	3,010	10,400	18,200	7,560	3,010	3,790	2,310	2,370
23	1,790	1,670	1,920	2,240	3,430	9,820	18,500	7,820	3,010	3,670	2,370	2,370
24	1,790	1,670	1,920	2,310	4,030	9,160	19,200	7,680	2,950	3,670	2,630	2,500
25	1,790	1,670	1,850	2,310	4,510	8,260	19,200	7,320	3,130	3,670	2,570	2,440
26	1,730	1,670	1,920	2,310	4,910	7,560	18,500	6,780	3,370	3,430	2,700	2,570
27	1,670	1,670	1,980	2,240	5,230	7,100	17,200	6,290	3,610	3,010	3,190	2,760
28	1,670	1,670	1,980	2,370	5,720	6,680	16,000	5,910	3,850	2,830	3,550	2,760
29	1,670	1,670	1,980	2,570	-----	6,480	14,200	5,630	4,030	2,760	3,790	2,700
30	1,610	1,670	1,920	2,760	-----	6,100	12,200	5,550	4,270	2,830	4,270	2,370
31	1,610	-----	1,920	2,890	-----	5,820	-----	5,550	-----	2,700	4,430	-----
TOTAL	63,930	49,320	56,760	69,310	88,090	496,890	452,800	239,180	108,010	126,890	83,160	108,290
MEAN	2,062	1,604	1,831	2,236	3,146	16,330	15,090	7,715	3,600	4,093	2,683	3,410
MAX	3,070	1,670	1,980	2,890	5,720	43,000	21,900	10,400	5,630	5,910	4,430	5,550
MIN	1,610	1,610	1,670	1,920	2,370	5,820	6,290	5,550	2,570	2,700	2,050	2,370
CFSM	.40	.32	.35	.43	.61	3.09	2.91	1.49	.70	.79	.52	.70
IN.	.46	.35	.41	.50	.63	3.57	3.25	1.72	.78	.91	.60	.78
CAL YR 1960.	TOTAL 2,235,610	MEAN 6,108	MAX 39,000	MIN 1,550	CFSM 1.18	IN 16.05						
WAT YR 1961	TOTAL 1,942,630	MEAN 5,322	MAX 43,000	MIN 1,610	CFSM 1.03	IN 13.95						



## 2-2155 Ocmulgee River at Lumber City, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,310	1,430	1,850	8,860	8,710	8,260	9,820	7,560	2,440	2,570	1,980	1,980
2	2,110	1,430	1,790	7,960	8,710	8,860	11,200	7,100	2,310	2,500	2,240	2,110
3	1,980	1,430	1,790	6,880	8,410	10,800	12,000	6,680	2,240	2,440	2,500	2,180
4	1,850	1,430	1,790	6,010	7,960	13,900	12,000	6,480	2,500	2,570	2,570	2,240
5	1,790	1,430	1,730	5,310	7,560	17,500	11,500	6,390	2,890	2,830	2,440	2,110
6	1,730	1,400	1,670	4,990	7,210	20,700	11,700	6,200	3,070	2,500	2,310	1,920
7	1,730	1,400	1,670	4,830	7,100	22,300	12,500	6,010	3,250	2,370	2,180	1,790
8	1,730	1,400	1,670	4,750	6,990	21,500	13,300	5,820	3,730	2,240	2,180	1,730
9	1,730	1,400	1,730	4,750	6,880	20,300	14,200	5,720	3,790	2,180	2,110	1,670
10	1,730	1,400	1,920	4,830	6,780	18,500	15,100	5,630	3,790	2,110	1,980	1,670
11	1,790	1,400	2,180	4,990	6,580	16,900	16,000	5,470	3,730	2,180	1,920	1,610
12	1,920	1,430	2,310	5,390	6,290	15,700	16,600	5,310	4,030	2,570	1,920	1,610
13	1,980	1,430	2,370	6,010	5,910	14,200	17,200	4,990	4,110	2,950	2,050	1,610
14	1,980	1,430	2,240	6,780	5,550	12,200	17,500	4,750	3,970	3,250	2,050	1,610
15	1,920	1,430	2,440	7,680	5,310	11,200	18,200	4,350	3,910	3,490	1,980	1,610
16	1,850	1,430	2,830	8,560	5,150	10,800	18,500	3,850	3,730	3,610	1,850	1,610
17	1,730	1,430	3,190	9,320	4,910	10,800	18,500	3,610	3,730	3,790	1,850	1,610
18	1,870	1,460	3,490	9,820	4,590	11,700	17,800	3,330	3,790	3,730	2,110	1,610
19	1,610	1,460	3,790	10,000	4,910	10,000	17,500	3,410	3,790	3,430	2,630	1,610
20	1,550	1,490	4,030	9,480	5,820	15,400	16,900	3,430	3,730	2,890	3,010	1,610
21	1,550	1,490	4,350	8,560	6,390	18,500	16,900	3,550	3,670	2,570	3,190	1,730
22	1,550	1,490	4,670	8,860	6,680	20,700	17,800	3,490	3,610	2,500	3,250	1,850
23	1,520	1,550	5,150	6,680	6,990	21,100	18,200	3,310	3,250	2,500	2,950	1,980
24	1,490	1,550	5,820	6,200	7,100	19,600	17,800	3,190	3,190	2,370	2,500	1,920
25	1,490	1,550	6,580	6,010	7,320	17,500	16,900	2,950	3,190	2,180	2,240	1,790
26	1,490	1,550	7,440	6,010	7,560	15,100	14,800	2,830	3,070	2,050	2,110	1,730
27	1,460	1,610	8,560	6,100	7,960	12,800	12,800	2,830	3,070	1,980	2,050	1,670
28	1,460	1,730	9,320	6,480	8,110	10,600	10,600	2,700	3,010	1,920	1,980	1,610
29	1,490	1,790	9,650	7,100	-----	9,160	9,160	2,570	2,830	1,850	1,980	1,670
30	1,490	1,850	9,650	7,680	-----	8,410	8,260	2,440	2,630	1,850	1,980	1,980
31	1,490	-----	9,320	8,260	-----	8,110	-----	2,370	-----	1,920	1,980	-----
TOTAL	53,170	44,700	126,990	215,140	189,440	456,100	441,240	138,260	100,990	79,890	70,970	53,430
MEAN	1,715	1,474	4,090	6,948	6,080	14,713	14,713	4,350	3,333	2,712	2,630	1,720
MAX	2,310	1,850	9,650	10,000	8,710	22,300	22,300	7,560	4,110	3,790	3,250	2,240
MIN	1,460	1,400	1,670	4,750	4,590	8,110	8,260	2,370	2,240	1,850	1,850	1,610
CFSM	.33	.29	.79	1.34	1.31	2.84	2.84	.86	.64	.50	.44	.34
IN.	.38	.32	.91	1.54	1.36	3.27	3.17	.99	.72	.57	.50	.38
CAL YR 1961: TOTAL	1,997,480	MEAN 5,473	MAX 43,000	MIN 1,400	CFSM 1.06	IN 14.34						
WAT YR 1962: TOTAL	1,968,480	MEAN 5,393	MAX 22,300	MIN 1,400	CFSM 1.04	IN 14.13						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,400	1,620	4,140	3,400	26,600	10,900	9,120	3,680	3,610	9,650	5,720	2,050
2	2,700	1,620	4,300	3,680	25,100	10,400	7,600	3,750	3,910	10,400	5,230	1,980
3	2,700	1,620	4,460	3,750	22,300	10,400	7,240	3,980	4,190	11,000	5,230	1,730
4	2,400	1,620	4,460	3,820	16,600	10,400	7,000	4,380	4,590	11,500	5,150	1,980
5	2,100	1,620	4,300	3,900	14,700	10,200	6,800	4,710	5,070	12,000	5,070	1,850
6	1,980	1,620	4,220	3,900	12,500	10,200	7,000	5,160	5,910	12,000	4,830	1,670
7	2,280	1,620	3,900	3,680	11,600	10,100	6,700	5,340	6,880	12,000	4,750	1,920
8	2,640	1,500	3,190	3,610	10,200	9,680	6,700	5,900	7,820	12,800	4,510	1,790
9	3,060	1,620	3,190	3,470	9,820	8,440	6,600	6,900	8,560	13,600	4,190	1,920
10	3,330	1,620	2,940	3,400	9,260	8,440	6,400	8,440	8,860	14,200	3,910	1,980
11	3,400	1,620	2,880	3,120	8,980	8,320	6,700	9,820	7,820	13,300	3,490	2,050
12	3,190	1,640	2,760	2,940	9,540	7,960	7,960	11,600	6,100	12,000	3,250	1,980
13	2,700	1,800	2,700	2,940	9,680	7,600	7,480	13,100	3,850	10,600	3,130	1,850
14	2,640	1,860	2,940	3,260	9,680	7,960	7,360	12,800	2,630	9,010	2,890	1,790
15	2,640	1,920	2,400	3,400	9,540	8,200	7,000	11,200	2,570	8,110	2,630	1,730
16	2,340	1,920	2,400	3,470	9,540	8,560	7,240	8,560	2,700	7,560	2,500	1,670
17	2,160	2,100	2,400	3,680	10,100	8,840	7,120	5,630	2,760	7,210	2,500	1,670
18	1,980	2,160	2,040	3,820	10,700	9,120	7,600	3,610	2,500	7,100	2,570	1,670
19	1,860	1,980	2,220	4,300	11,200	9,260	4,600	3,370	2,440	6,780	2,570	1,730
20	1,860	2,040	2,040	4,800	11,400	9,260	5,070	3,550	2,830	6,580	2,370	1,850
21	1,800	2,040	2,040	5,430	11,000	9,400	4,140	3,790	3,370	6,390	2,500	1,920
22	1,800	1,920	1,980	6,000	10,900	10,700	3,680	3,730	3,670	5,910	2,630	1,920
23	1,800	1,920	2,040	6,400	10,700	12,100	3,680	3,670	4,270	5,070	2,630	1,850
24	1,740	2,040	2,040	6,700	10,900	14,400	3,680	3,610	5,310	5,150	2,370	1,730
25	1,740	2,280	2,040	7,360	11,200	15,400	3,680	3,370	7,440	5,390	2,500	1,730
26	1,800	2,760	2,040	8,080	11,000	15,400	3,190	3,370	8,860	5,390	2,570	1,730
27	1,860	3,190	2,040	9,120	10,900	14,200	3,250	3,250	10,400	5,230	2,570	1,730
28	1,860	3,260	2,220	11,000	11,000	12,700	3,120	3,120	9,010	6,010	2,370	1,670
29	1,800	3,680	2,340	13,700	-----	11,900	3,190	3,310	8,860	6,010	2,240	1,850
30	1,740	3,980	2,580	19,900	-----	10,100	3,470	3,610	9,160	5,910	2,110	2,110
31	1,680	-----	3,060	25,600	-----	9,680	-----	3,610	-----	5,720	2,050	-----
TOTAL	69,980	62,230	88,300	191,630	346,640	319,860	176,240	173,990	165,950	269,880	102,830	55,130
MEAN	2,257	2,007	2,784	6,182	12,380	10,320	4,775	4,775	5,332	8,709	3,117	1,739
MAX	3,400	3,980	4,460	25,600	26,600	15,400	9,120	13,100	10,400	14,200	5,720	2,110
MIN	1,680	1,500	1,860	2,940	8,980	7,600	3,120	3,190	2,440	5,070	2,050	1,670
CFSM	.44	.40	.55	1.19	2.39	1.99	1.13	1.08	1.07	1.68	.64	.35
IN.	.50	.45	.63	1.38	2.49	2.30	1.27	1.25	1.19	1.94	.74	.40
CAL YR 1962: TOTAL	1,964,130	MEAN 5,381	MAX 22,300	MIN 1,500	CFSM 1.04	IN 14.10						
WAT YR 1963: TOTAL	2,022,730	MEAN 5,542	MAX 26,600	MIN 1,500	CFSM 1.07	IN 14.52						

## 2-2155 Ocmulgee River at Lumber City, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,180	1,490	2,110	4,750	14,800	23,600	13,900	11,200	4,430	3,670	12,200	4,350
2	2,240	1,520	2,440	4,670	12,800	22,300	12,800	11,200	4,350	3,850	11,700	4,270
3	2,700	1,520	2,830	4,590	14,200	21,500	11,700	12,500	4,190	4,110	11,500	4,110
4	3,010	1,490	3,130	4,670	16,600	22,800	11,700	13,900	4,110	4,430	11,200	3,670
5	3,100	1,490	3,310	4,830	18,500	25,100	12,500	15,100	4,030	4,750	10,400	3,430
6	3,430	1,490	3,490	4,990	19,900	25,600	14,500	16,600	4,030	4,910	9,320	3,310
7	3,610	1,490	3,490	5,230	20,300	25,100	16,600	19,600	4,030	5,070	9,650	3,130
8	3,610	1,490	3,430	5,390	19,200	24,100	17,500	23,200	4,110	5,070	11,500	2,950
9	3,310	1,520	3,250	5,910	17,800	22,300	17,200	26,600	4,110	4,990	11,700	2,760
10	2,830	1,550	3,130	6,780	16,300	21,500	15,700	28,600	4,110	4,750	10,600	2,700
11	2,440	1,730	3,070	7,820	14,800	21,100	14,500	31,500	4,110	4,190	9,160	2,700
12	2,180	1,980	3,010	9,320	13,300	21,500	13,900	34,000	4,030	3,790	8,260	2,830
13	2,050	2,050	3,070	11,700	12,500	22,300	14,500	35,300	3,910	3,730	7,680	3,850
14	2,180	1,980	3,190	13,900	12,000	22,300	17,200	32,100	3,790	3,850	7,680	4,990
15	2,110	1,850	3,250	15,100	11,500	22,300	25,100	27,600	3,610	4,270	7,100	5,390
16	1,980	1,730	3,430	15,700	11,500	20,700	37,900	22,300	3,370	4,830	6,290	5,310
17	1,850	1,790	3,610	16,600	11,500	19,200	47,500	18,200	3,250	5,150	5,820	4,910
18	1,790	1,920	3,850	18,800	12,700	17,800	47,500	15,100	3,190	5,470	5,720	4,510
19	1,730	1,980	4,030	21,100	15,100	16,300	43,300	12,500	3,010	5,720	5,630	4,190
20	1,730	1,920	4,270	24,100	16,900	14,800	34,600	10,400	2,830	6,010	5,550	3,850
21	1,670	1,790	4,510	25,600	17,200	13,600	27,100	9,010	2,700	6,390	5,310	3,490
22	1,670	1,670	4,830	25,100	17,200	13,300	21,500	8,110	2,630	7,100	4,910	3,250
23	1,610	1,610	5,230	23,200	17,200	13,900	17,800	7,440	2,700	7,820	4,990	3,070
24	1,610	1,610	5,630	21,500	17,500	16,600	15,400	6,990	2,760	8,860	4,750	2,890
25	1,550	1,550	6,290	19,900	18,200	20,300	13,600	6,390	2,830	9,820	5,070	2,830
26	1,550	1,610	6,880	18,200	19,200	23,600	12,200	6,010	2,830	10,800	5,230	2,830
27	1,550	1,610	7,320	17,500	19,900	24,100	11,500	5,630	2,950	11,500	5,150	2,950
28	1,550	1,670	7,440	16,900	21,900	22,800	11,700	5,390	3,190	12,200	4,750	3,010
29	1,490	1,730	6,880	16,600	23,600	19,900	12,000	5,070	3,370	12,800	4,510	2,830
30	1,490	1,850	5,910	16,300	-----	-----	17,800	11,700	4,830	3,550	12,800	4,510
31	1,490	-----	5,070	16,000	-----	-----	15,700	-----	4,590	-----	12,500	-----
TOTAL	67,500	50,680	131,380	422,750	473,600	633,800	594,600	486,960	106,110	205,200	231,950	106,930
MEAN	2,177	1,689	4,238	13,644	16,330	20,450	19,820	15,710	3,537	6,619	7,482	3,564
MAX	3,610	2,050	7,440	25,600	23,600	25,600	47,500	35,300	4,430	12,800	12,200	5,390
MIN	1,490	1,490	2,110	4,590	11,500	13,300	11,500	4,590	2,630	3,670	4,510	2,570
CFSM	4.42	.33	.82	2.63	3.15	3.95	3.83	3.03	.68	1.28	1.44	.69
IN.	.48	.36	.94	3.04	3.40	4.55	4.27	3.50	.76	1.47	1.67	.77
CAL YR 1963:	TOTAL 2,051,780			MEAN 5,621	MAX 29,600	MIN 1,490	CFSM 1.09	IN 14.73				
WAT YR 1964:	TOTAL 3,511,460			MEAN 5,594	MAX 47,500	MIN 1,490	CFSM 1.85	IN 25.21				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,500	3,850	3,910	9,650	7,210	18,900	17,800	6,500	3,170	5,230	2,860	2,860
2	2,500	3,790	4,110	11,700	7,320	17,200	17,500	6,100	3,240	4,690	3,310	2,500
3	2,630	3,670	4,270	15,400	7,520	16,100	16,900	5,700	3,100	3,730	3,730	2,500
4	3,190	3,430	4,830	21,500	7,620	15,400	16,300	5,320	3,980	3,960	4,440	2,380
5	3,910	3,190	6,100	27,100	7,580	15,000	16,300	5,230	2,740	3,960	4,440	2,380
6	4,750	3,130	6,780	28,100	7,470	14,100	16,000	5,410	2,500	3,960	4,690	2,380
7	5,070	3,130	7,100	26,100	8,270	13,100	15,400	5,600	2,380	3,800	4,600	2,500
8	5,150	3,310	7,100	21,900	9,520	12,400	15,100	5,600	2,380	3,730	4,060	2,620
9	4,990	3,430	6,780	18,500	10,400	11,500	14,800	4,960	2,560	3,520	3,450	2,620
10	4,990	3,100	6,390	15,700	10,400	10,700	13,500	3,800	2,560	3,450	3,100	2,560
11	4,990	3,130	6,200	12,800	9,790	10,100	10,400	3,520	2,500	3,590	3,040	2,440
12	5,230	3,130	6,100	10,600	9,170	9,750	11,600	3,240	2,740	3,800	3,170	2,380
13	5,720	3,010	6,200	9,160	9,580	10,400	11,000	3,100	3,040	4,040	3,380	2,500
14	6,680	2,950	6,880	8,110	11,100	11,000	10,600	3,040	3,380	4,280	3,660	2,680
15	9,010	2,950	7,320	7,320	13,200	11,100	10,400	3,100	3,730	4,440	3,880	2,800
16	13,300	3,070	7,210	6,990	14,700	10,800	10,300	3,170	3,880	4,600	4,040	2,800
17	16,000	3,010	6,880	6,680	16,100	10,400	9,980	3,240	4,280	4,870	4,200	2,620
18	16,000	3,100	6,390	6,390	19,200	10,300	9,590	3,310	5,050	5,140	4,280	2,500
19	13,900	3,130	6,010	6,200	22,800	10,600	9,010	3,170	5,600	5,320	4,200	2,380
20	11,000	3,070	5,720	6,010	24,600	11,900	7,420	3,040	6,100	5,410	3,660	2,320
21	8,860	3,070	5,550	5,630	24,100	13,700	7,160	2,860	6,830	5,500	3,170	2,320
22	7,560	3,190	5,470	5,390	23,200	14,300	8,110	2,740	7,680	5,230	2,980	2,260
23	6,780	3,310	5,310	5,230	22,800	13,900	7,680	2,920	7,820	4,360	2,860	2,320
24	6,390	3,370	5,230	5,550	22,600	13,300	7,290	2,980	9,680	3,590	2,680	2,380
25	6,200	3,610	5,230	6,290	23,000	13,000	6,940	2,920	10,600	3,310	2,500	2,620
26	6,100	3,670	5,630	6,880	22,800	13,000	6,940	2,860	11,100	3,040	2,380	2,740
27	6,100	3,670	7,100	7,210	22,100	13,600	6,830	2,740	10,800	2,800	2,260	2,680
28	5,910	3,550	8,710	7,210	20,600	15,100	6,830	2,620	9,560	2,680	2,560	2,740
29	5,550	3,550	9,010	7,100	-----	-----	16,900	6,720	2,680	7,420	2,680	2,980
30	4,830	3,730	8,710	6,990	-----	-----	17,800	6,720	2,920	6,300	2,740	3,170
31	4,110	-----	8,710	7,100	-----	-----	18,200	3,040	-----	2,680	3,240	-----
TOTAL	209,900	99,420	196,940	346,490	414,750	413,550	331,420	117,430	155,700	124,130	106,970	77,050
MEAN	6,771	3,314	6,353	11,180	14,810	13,340	11,040	3,788	5,190	4,004	3,451	2,568
MAX	16,000	3,850	9,010	28,100	24,600	26,900	17,800	6,500	11,100	5,500	4,690	3,170
MIN	2,500	2,950	3,910	5,230	7,210	9,750	6,720	2,620	2,380	2,260	2,260	2,260
CFSM	1.31	.64	1.23	2.16	2.86	2.58	2.13	.73	1.00	.77	.67	.50
IN.	1.51	.71	1.41	2.49	2.98	2.97	2.38	.84	1.12	.89	.77	.55
CAL YR 1964:	TOTAL 3,768,160			MEAN 10,300	MAX 27,500	MIN 2,500	CFSM 1.37	IN 27.05				
WAT YR 1965:	TOTAL 2,593,750			MEAN 7,106	MAX 28,100	MIN 2,260	CFSM 1.37	IN 18.62				

## ALTAMAHA RIVER BASIN

2-2170 Allen Creek at Talmo, Ga

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

Drainage area --17.3 sq mi

Records available --July 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 784.42 ft above mean sea level, datum of 1929  
Prior to September 30, 1963, graphic water-stage recorder at same site and datum

Average discharge --14 years, 24.8 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (500 cfs revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 21, 1961	0700	* 3,320	12.60	Feb 22, 1962	0800	659	5.36	Mar 15, 1964	1100	505	4.19
Feb 25, 1961	0600	2,160	11.20					Mar 26, 1964	0330	* 2,270	11.42
Mar 31, 1961	1000	563	4.60	Nov 21, 1962	1700	706	5.80	Apr 6, 1964	1530	1,500	9.55
Apr 12, 1961	0900	550	4.50	Mar 6, 1963	0500	1,580	9.82	Apr 8, 1964	0200	1,410	9.30
May 25, 1961	1700	1,180	8.48	Mar 12, 1963	2130	1,110	8.20	Apr 27, 1964	1115	718	5.96
June 21, 1961	1600	1,230	8.69	Apr 30, 1963	0300	* 1,680	10.1	May 3, 1964	0215	718	5.93
				June 27, 1963	0930	1,500	9.62				
Dec 12, 1961	1300	* 1,410	9.34	Jan 25, 1964	0530	1,720	10.21	Mar 24, 1965	1400	542	4.78
Dec 18, 1961	0600	615	5.00					Apr 25, 1965	0330	* 1,340	9.11

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Sept 30, 1961	9.3	-	1964	Sept 26, 27, 1964	8.9	-
1962	Sept 4, 5, 1962	5.4	-	1965	Sept 9, 10, 20, 21, 23, 24, 1965	6.8	-
1963	Oct 19, 1962	5.8	-				

1951-65 Maximum discharge, 3,320 cfs Feb 21, 1961 (gage height, 12.60 ft), from rating curve extended above 1,300 cfs on basis of contracted opening studies at gage heights 11.2 ft and 12.6 ft, minimum, 1.8 cfs Oct 6, 7, 1954

Remarks --Records good

Revisions (water years) --WSP 1724 1952(M), 1954-55(M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	14	10	27	14	44	72	32	23	27	18	21
2	15	12	10	19	14	39	46	36	23	25	18	16
3	14	12	10	17	13	36	42	30	20	30	15	14
4	12	11	10	13	13	32	38	28	20	27	16	14
5	13	11	10	15	12	31	33	27	20	23	14	14
6	17	10	10	14	12	31	31	27	20	22	14	15
7	16	10	10	14	27	46	29	27	19	23	14	14
8	22	10	11	14	30	85	27	26	19	23	34	14
9	42	10	11	13	22	52	78	27	19	20	23	12
10	20	11	10	13	20	42	62	30	20	20	17	13
11	17	10	47	12	18	37	44	68	21	20	17	14
12	15	10	26	12	17	32	210	44	18	27	14	13
13	14	10	19	12	16	32	78	38	18	29	14	13
14	14	10	17	31	15	31	52	33	18	24	14	16
15	13	10	17	22	14	29	52	31	24	26	14	15
16	12	10	16	18	14	27	66	27	21	24	15	12
17	12	10	16	17	13	26	46	26	20	55	14	12
18	11	10	14	15	45	27	41	25	19	30	12	12
19	11	10	14	17	45	27	38	25	18	26	12	14
20	16	9.6	14	18	177	27	36	25	26	24	12	14
21	12	9.6	17	16	1,080	40	33	23	390	21	14	12
22	12	9.6	14	14	92	31	32	24	75	21	14	12
23	11	15	14	14	132	28	31	31	47	20	16	12
24	11	13	14	14	136	27	30	23	46	20	30	10
25	10	12	13	13	825	26	30	189	40	19	33	11
26	10	10	13	14	95	25	38	68	60	18	22	10
27	11	10	13	14	62	25	80	40	62	17	19	9.6
28	10	10	42	12	55	25	44	32	42	17	17	9.6
29	10	12	13	13	-----	24	36	28	36	16	17	9.6
30	10	11	16	14	-----	23	31	27	30	15	16	9.3
31	20	-----	17	14	-----	196	-----	24	-----	14	19	-----
TOTAL	450	322.8	458	486	3,028	1,203	1,506	1,141	1,234	723	538	387.1
MEAN	14.5	10.8	14.8	15.7	108	38.8	50.2	36.8	41.1	23.3	17.4	12.9
MAX	42	15	47	31	1,080	196	210	189	390	55	34	21
MIN	10	9.6	10	12	12	23	27	23	18	14	12	9.3
CFSM	.84	.62	.85	.91	6.25	2.24	2.90	2.13	2.38	1.35	1.00	.75
IN.	.97	.69	.98	1.04	6.51	2.59	3.24	2.45	2.65	1.55	1.16	.83
CAL YR 1960	TOTAL	8,314.0		MEAN	22.7	MAX	208	MIN	5.8	CFSM	1.31	IN 17.87
WAT YR 1961.	TOTAL	11,476.9		MEAN	31.4	MAX	1,080	MIN	9.3	CFSM	1.82	IN 24.67

2-2170 Allen Creek at Talmo, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9.3	10	11	27	31	37	100	31	15	14	8.6	7.1
2	9.6	10	11	27	28	34	58	29	15	14	8.9	6.1
3	12	10	11	24	27	33	47	28	14	14	13	6.1
4	12	10	12	24	25	31	44	28	15	14	9.6	6.1
5	10	10	11	25	25	30	41	27	25	13	8.2	6.1
6	10	14	12	105	24	29	50	27	20	28	8.2	6.1
7	10	12	12	53	23	28	55	27	20	20	8.9	12
8	10	12	11	42	23	27	47	26	17	23	8.9	9.3
9	10	11	11	33	24	33	42	25	16	17	8.2	8.6
10	9.6	10	75	31	23	34	40	24	16	14	8.2	8.9
11	9.3	10	55	28	22	104	98	25	17	13	7.1	7.5
12	9.3	10	860	27	22	122	182	23	19	14	6.8	7.5
13	9.3	12	117	25	21	57	79	23	19	13	62	11
14	8.9	20	52	24	20	46	58	22	17	10	22	7.1
15	8.6	14	37	28	20	40	53	23	16	10	12	6.8
16	8.9	14	31	26	23	37	46	22	16	10	12	13
17	8.9	14	64	24	21	34	44	22	16	10	10	79
18	9.3	12	285	23	22	32	41	22	16	10	9.3	14
19	8.9	12	66	36	36	39	31	21	14	9.6	11	9.6
20	8.6	12	42	30	25	31	38	23	16	10	11	9.6
21	8.9	12	33	29	63	41	36	23	16	9.3	12	8.9
22	8.9	12	29	28	364	38	34	25	15	8.2	12	8.6
23	9.6	19	28	31	141	34	34	24	14	7.8	10	8.9
24	9.3	19	25	30	107	30	33	23	13	7.8	9.6	8.9
25	9.6	13	23	38	64	33	33	23	13	14	8.9	8.6
26	9.3	12	23	45	52	76	34	26	16	11	8.2	11
27	9.3	13	23	40	45	48	32	20	19	8.9	7.8	13
28	9.3	12	25	111	40	40	31	17	17	8.2	7.5	9.6
29	9.3	12	26	58	-----	37	37	17	17	8.9	7.5	8.9
30	10	12	20	42	-----	38	33	17	16	9.3	7.8	8.6
31	10	20	34	-----	-----	136	-----	16	-----	10	7.5	-----
TOTAL	296.0	375	2,061	1,144	1,361	1,398	1,539	729	495	384.0	352.7	336.5
MEAN	9.55	12.5	66.5	36.9	48.6	45.1	51.3	23.5	16.5	12.4	11.4	11.2
MAX	12	20	860	111	364	136	182	31	25	28	62	79
MIN	8.6	10	11	23	20	27	31	16	13	7.8	6.8	6.1
CFSM	.55	72	3.84	2.13	2.81	2.61	2.97	1.36	.95	.72	.66	.65
IN.	.64	.81	4.43	2.46	2.93	3.01	3.31	1.57	1.06	.83	.76	.72
CAL YR 1961	TOTAL	12,978.1	MEAN	35.6	MAX	1,080	MIN	8.6	CFSM	2.06	IN	27.90
WAT YR 1962	TOTAL	10,471.2	MEAN	28.7	MAX	860	MIN	6.1	CFSM	1.66	IN	22.51

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8.2	11	14	26	27	27	24	104	27	56	23	14
2	12	10	14	20	27	28	23	65	26	47	22	12
3	39	10	14	19	74	24	23	53	24	41	20	13
4	20	10	14	17	42	23	23	46	22	36	20	16
5	12	10	14	17	33	76	23	40	20	33	19	17
6	10	10	14	16	29	512	29	37	20	31	19	14
7	9.3	10	13	16	27	69	29	37	20	32	19	13
8	10	10	13	15	24	46	25	29	26	28	19	14
9	9.3	23	12	15	23	38	24	28	23	27	18	12
10	9.3	13	12	14	22	31	23	27	18	27	17	12
11	9.3	10	12	28	26	33	23	26	17	26	16	12
12	9.3	23	10	52	30	388	22	25	16	24	16	12
13	9.6	10	12	28	26	245	21	29	15	24	19	12
14	9.3	13	12	25	24	78	20	134	16	26	20	44
15	9.3	12	12	21	22	57	20	45	14	25	17	23
16	9.3	11	14	19	21	48	20	36	19	27	16	17
17	10	12	12	18	20	52	20	31	44	28	15	15
18	10	19	12	49	20	42	20	27	26	26	14	15
19	9.3	14	12	110	57	40	20	26	24	24	16	14
20	9.6	15	12	124	38	37	22	25	34	26	15	14
21	8.9	268	12	58	30	32	20	25	73	34	19	13
22	10	66	19	40	26	19	30	62	22	22	13	13
23	9.6	32	14	36	24	29	19	23	108	22	15	12
24	9.6	23	14	29	24	28	17	22	68	24	14	12
25	9.6	20	60	26	23	27	18	23	47	56	14	12
26	9.6	18	46	24	22	32	18	24	304	29	14	12
27	9.6	16	30	20	20	17	20	75	28	28	12	16
28	9.6	16	23	20	20	27	81	120	117	42	16	115
29	9.6	16	60	20	-----	26	504	60	82	36	16	48
30	10	14	41	27	-----	25	684	40	68	28	18	25
31	10	28	29	-----	-----	25	-----	32	-----	25	14	-----
TOTAL	340.2	751	599	982	801	2,203	1,851	1,355	2,137	956	536	589
MEAN	11.0	25.0	19.3	31.7	28.6	71.1	61.7	43.7	71.2	30.8	17.3	19.6
MAX	39	268	60	124	74	512	684	134	757	56	23	115
MIN	8.2	10	10	14	20	23	17	22	14	22	64	12
CFSM	.63	1.45	1.12	1.83	1.65	4.11	3.57	2.53	4.12	1.78	1.00	1.13
IN.	.73	1.61	1.29	2.11	1.72	4.74	3.98	2.91	4.59	2.06	1.15	1.27
CAL YR 1962	TOTAL	9,429.4	MEAN	25.8	MAX	364	MIN	6.1	CFSM	1.49	IN	20.27
WAT YR 1963	TOTAL	13,100.2	MEAN	35.9	MAX	757	MIN	8.2	CFSM	2.07	IN	28.16



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

Records available --October 1901 to October 1902, January 1929 to March 1932, April 1937 to September 1965, in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1304. January 1929 to March 1932, in House Document 68, 74th Congress, 1st session, as "at Princeton Bridge"

Gage --Digital water-stage recorder Datum of gage is 555 66 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Oct 11, 1901, to Oct 25, 1902, wire-weight gage at site 1 mile upstream at different datum Jan 16, 1929, to Mar 15, 1932, and Apr 29, 1937, to Sept 30, 1940, graphic water-stage recorder at site 4 miles downstream at different datum Oct 1, 1940, to Sept 30, 1961, graphic water-stage recorder at present site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (cfs) and peak discharges above base (3,800 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 23, 1961	0300	12,000	18 0	Mar 14, 1963	2300	5,370	10 7	Apr 29, 1964	0445	5,800	11 41
Feb 26, 1961	2200	* 12,200	18 2	May 1, 1963	1900	11,500	17 48	Mar 18, 1964	1515	7,310	15 13
June 23, 1961	1500	4,010	8 6	June 28, 1963	1945	* 11,890	17 98	July 18, 1964	2200	4,140	8 94
Dec 14, 1961	0845	* 8,570	14 80	Jan 27, 1964	0015	9,200	15 47	Dec 27, 1964	-	* 5,080	all 25
Feb 24, 1962	0900	5,920	11 42	Mar 15, 1964	1630	4,950	12 11				
				Mar 27, 1964	1915	11,200	17 42				
Mar 8, 1963	0500	3,800	8 3	Apr 8, 1964	0315	* 12,600	18 54				

a From floodmark

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Sept 30, 1961	150	1 05	1963	Sept 11, 1963	89	0 82
1962	Aug 7, 9, Sept 8, 1962	72	72	1964	Oct 16, 1963	144	1 01
				1965	Sept 1, 1965	163	1 17

1901-2, 1929-32, 1937-65 Maximum discharge observed, 19,600 cfs Feb 28, 1902 (gage height, 25 5 ft, site and datum then in use), minimum daily, 26 cfs Sept 7, 1957

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	452	326	262	428	312	1,100	2,490	586	386	563	294	507	
2	340	316	244	476	308	920	2,600	677	370	521	294	488	
3	321	258	240	380	308	785	1,140	650	360	470	410	404	
4	285	240	240	335	308	686	875	570	355	452	345	370	
5	262	236	240	316	303	634	740	542	345	428	308	355	
6	350	232	240	303	298	610	642	528	350	404	303	355	
7	410	236	240	298	330	767	594	521	340	398	422	350	
8	749	228	240	290	626	1,500	556	514	321	434	380	340	
9	992	228	240	285	594	1,500	586	528	316	410	370	308	
10	911	240	240	276	470	1,280	983	650	312	375	404	308	
11	514	258	294	267	416	839	1,100	1,240	321	365	340	308	
12	410	258	610	267	380	695	1,700	1,500	321	398	321	312	
13	355	240	458	267	355	642	2,320	1,100	316	842	285	303	
14	308	240	350	345	340	659	2,490	749	290	695	272	298	
15	303	240	316	521	335	602	1,320	610	312	514	312	350	
16	280	240	316	440	316	556	1,320	570	416	839	290	345	
17	272	244	303	370	316	521	1,800	521	386	830	276	303	
18	262	244	285	335	487	514	1,100	488	350	704	258	280	
19	240	244	276	330	1,280	535	803	330	340	586	249	276	
20	262	240	267	380	1,400	514	704	470	321	668	267	290	
21	308	236	285	380	3,160	594	650	446	680	521	272	294	
22	267	236	303	335	6,120	767	618	440	2,100	594	285	280	
23	249	254	267	316	10,100	626	507	3,750	570	316	267	280	
24	214	326	321	321	4,490	556	586	507	1,830	1,600	276	280	
25	236	308	272	312	5,600	514	563	452	857	440	2,700	254	
26	228	276	272	312	9,490	488	578	626	1,130	392	3,020	244	
27	224	262	267	330	8,420	476	1,190	1,070	1,500	370	1,900	240	
28	228	262	267	326	2,350	476	1,240	670	1,460	350	866	232	
29	228	258	258	312	-----	466	1,020	812	610	330	504	220	
30	224	272	272	312	-----	476	704	428	610	316	422	220	
31	232	-----	308	312	-----	1,580	-----	404	-----	308	404	-----	
TOTAL	10,952	7,678	8,944	10,477	59,212	22,882	33,606	19,470	21,547	15,854	18,292	9,363	
MIN	353	256	236	338	2,110	1,120	628	514	316	350	280	312	
MAX	992	326	610	521	10,100	1,580	2,600	1,900	3,750	842	3,020	507	
MIN	224	228	240	267	298	464	556	404	290	308	249	220	
CFSM	.89	.64	.72	.85	5.31	1.85	2.61	1.58	1.80	1.28	1.48	.78	
IN.	1.02	.72	.84	.98	5.53	2.14	3.14	1.82	2.01	1.48	1.71	.87	
CAL YR 1960:7		TOTAL 169,030		MEAN 462		MAX 3,200		MIN 118		CFSM 1.16		IN 15.79	
WAT YR 1961:2		TOTAL 238,277		MEAN 653		MAX 10,100		MIN 220		CFSM 1.64		IN 22.27	

## 2-2175 Middle Oconee River near Athens, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	216	197	245	549	659	704	2,350	704	327	255	189	123
2	228	199	241	667	594	634	2,740	628	369	229	148	121
3	216	198	240	505	556	578	1,540	579	358	233	183	119
4	224	199	243	531	528	556	947	550	329	219	167	116
5	224	207	244	511	514	528	839	542	330	239	212	115
6	232	216	253	1,280	507	500	857	529	370	245	220	111
7	210	224	269	2,120	482	488	1,280	514	337	301	169	168
8	219	225	272	1,970	470	476	1,680	497	323	311	189	138
9	216	213	255	876	488	488	992	484	292	323	152	202
10	216	206	404	669	500	618	821	474	290	299	153	183
11	211	207	1,320	598	470	1,720	880	468	291	252	132	172
12	207	210	3,320	549	446	2,270	470	307	286	134	164	
13	200	223	5,190	510	440	2,630	3,250	464	357	259	143	149
14	200	289	7,860	487	440	1,620	2,980	446	373	221	345	140
15	198	327	3,440	499	434	816	1,560	440	321	215	343	153
16	185	295	1,080	543	440	699	1,080	422	351	210	223	170
17	194	277	993	492	482	868	920	405	342	203	221	416
18	193	263	2,180	467	446	618	839	411	309	215	201	715
19	190	246	2,920	582	556	594	785	396	312	215	186	298
20	187	236	2,940	776	642	578	731	378	281	182	178	212
21	186	232	1,260	652	570	650	704	381	286	172	195	191
22	189	230	806	588	2,790	713	668	356	289	178	187	181
23	191	263	698	562	4,310	602	659	376	262	163	189	177
24	190	425	651	587	5,600	570	642	352	253	156	189	176
25	192	362	583	561	3,550	570	634	344	245	159	179	170
26	191	299	542	603	2,050	1,160	857	334	238	212	168	185
27	187	280	519	617	1,190	1,280	812	328	292	238	158	295
28	181	267	566	998	884	875	677	318	323	165	149	252
29	185	260	559	1,640	-----	722	704	327	287	177	141	200
30	191	291	498	1,390	-----	668	848	310	275	195	134	190
31	195	-----	482	803	-----	1,130	-----	318	-----	186	128	-----
TOTAL	6,244	7,526	41,073	24,258	31,038	27,083	36,546	13,545	9,319	6,913	5,705	6,002
MEAN	201	251	1,325	783	1,109	874	1,218	437	311	223	184	200
MAX	232	425	7,860	2,120	5,600	2,630	3,250	704	373	323	345	715
MIN	181	197	240	467	434	476	634	310	238	156	128	111
CFSM	51	63	3.33	1.97	2.79	2.20	3.06	1.10	0.78	0.56	0.46	0.50
IN.	58	70	3.84	2.27	2.90	2.53	3.41	1.27	0.87	0.65	0.53	0.56
CAL YR 1961	TOTAL 265,546	MEAN 728	MAX 10,100	MIN 181	CFSM 1.83	IN 24.81						
WAT YR 1962	TOTAL 215,252	MEAN 590	MAX 7,860	MIN 111	CFSM 1.48	IN 20.11						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	176	191	306	525	576	412	461	9,740	466	2,010	400	239
2	186	187	395	448	551	482	487	7,620	419	1,800	358	225
3	238	187	299	401	839	452	440	1,080	390	1,120	337	216
4	653	189	291	370	1,130	412	432	938	371	811	321	211
5	411	194	293	349	803	432	420	767	348	665	297	208
6	262	193	306	334	636	1,340	428	665	342	598	300	227
7	225	297	568	323	568	2,550	596	336	615	294	254	225
8	213	195	281	317	512	3,110	540	394	300	512	272	219
9	213	222	273	295	460	1,060	462	513	355	507	272	218
10	210	339	272	298	438	738	438	480	345	499	263	212
11	190	268	265	302	668	645	419	457	305	465	259	197
12	185	237	253	675	804	885	406	457	286	436	251	195
13	184	340	219	892	645	2,500	393	434	269	420	249	174
14	182	294	328	543	535	4,330	375	809	261	412	279	194
15	181	243	295	445	489	3,480	371	1,130	252	437	281	350
16	183	228	273	400	452	1,170	366	682	255	440	252	336
17	184	226	272	371	432	883	362	519	539	604	248	268
18	185	246	262	783	412	868	359	461	728	552	245	243
19	184	337	249	1,360	766	754	356	427	869	490	226	238
20	180	296	254	1,800	1,040	730	359	405	1,240	432	245	234
21	174	572	252	2,090	738	708	381	412	1,080	597	248	226
22	180	1,990	287	1,580	584	607	358	420	1,350	520	287	216
23	190	3,170	353	842	527	569	329	389	1,730	410	265	207
24	176	1,400	298	718	504	547	324	354	1,920	414	243	202
25	179	546	441	577	497	532	301	354	1,530	497	231	199
26	177	442	1,080	543	467	560	317	373	1,970	617	223	195
27	176	393	868	543	445	637	354	551	8,430	463	219	190
28	179	362	529	504	419	542	355	1,170	10,500	408	228	305
29	185	349	549	452	-----	500	1,450	1,520	7,900	552	255	1,480
30	186	342	1,010	467	-----	483	3,590	858	3,210	610	247	1,270
31	189	-----	783	618	-----	471	-----	556	-----	517	263	-----
TOTAL	6,616	14,266	12,043	20,165	17,017	33,389	18,178	36,483	48,325	19,480	8,358	9,119
MEAN	213	475	388	650	608	1,077	606	1,177	1,611	628	270	304
MAX	653	3,170	1,080	2,090	1,130	4,330	5,590	9,740	10,500	2,010	400	1,470
MIN	174	186	219	295	412	412	301	354	252	408	219	174
CFSM	54	1.19	0.98	1.63	1.53	2.71	1.52	2.96	4.05	1.58	0.68	0.76
IN.	62	1.33	1.13	1.88	1.59	3.12	1.70	3.41	4.52	1.82	0.78	0.85
CAL YR 1962	TOTAL 193,332	MEAN 530	MAX 5,600	MIN 111	CFSM 1.33	IN 18.07						
WAT YR 1963	TOTAL 243,437	MEAN 667	MAX 10,500	MIN 174	CFSM 1.68	IN 22.75						

2-2175 Middle Oconee River near Athens, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	525	227	1,100	1,360	862	748	1,280	1,840	804	346	380	324
2	378	244	533	1,960	799	999	1,170	2,020	1,540	390	370	270
3	299	263	491	1,410	702	2,280	1,080	5,810	987	425	351	252
4	301	234	462	894	656	2,720	1,040	6,800	689	420	328	239
5	287	229	427	770	650	2,110	1,040	3,940	631	415	315	235
6	273	296	375	680	1,250	1,800	3,200	1,650	609	380	315	230
7	273	329	377	810	1,720	1,400	7,250	1,350	666	350	320	230
8	281	233	357	840	1,080	1,200	10,600	1,190	621	390	306	230
9	279	235	368	2,150	820	1,140	6,210	1,080	575	460	292	230
10	270	237	369	2,450	741	1,090	3,350	1,020	551	365	306	260
11	266	235	518	2,160	721	1,130	1,940	963	536	360	346	350
12	265	232	1,620	1,320	687	964	1,740	934	523	400	385	500
13	262	227	2,030	1,460	661	876	1,700	1,100	532	604	342	410
14	259	224	1,980	1,250	905	1,050	1,870	1,040	546	516	297	320
15	256	222	1,840	894	982	4,190	1,850	891	504	415	300	300
16	245	224	1,430	775	1,720	4,310	1,640	844	477	390	390	280
17	255	227	800	724	1,680	3,780	1,490	813	449	526	450	270
18	250	228	634	698	1,820	1,810	1,390	784	435	924	360	260
19	248	230	561	648	2,160	1,400	1,320	749	619	768	310	257
20	248	230	508	654	1,970	1,270	1,260	719	397	677	288	266
21	248	230	480	712	1,290	1,240	1,190	702	381	905	274	266
22	247	229	452	608	1,000	1,150	1,120	680	372	720	270	257
23	243	239	466	569	887	1,010	1,080	662	383	1,510	306	252
24	239	239	584	655	818	936	1,060	672	414	970	365	239
25	245	222	514	2,930	809	1,750	1,160	670	432	582	320	222
26	246	266	482	6,300	965	5,920	1,400	637	446	495	279	211
27	244	617	472	6,910	871	9,600	2,630	608	442	460	274	204
28	277	829	451	1,990	826	6,940	4,340	587	420	415	270	211
29	231	1,130	430	1,240	821	2,130	4,990	576	395	385	266	222
30	234	1,670	412	968	-----	1,690	2,340	587	370	420	400	235
31	228	-----	416	864	-----	1,430	-----	598	-----	425	510	-----
TOTAL	8,406	10,677	21,979	47,653	30,873	70,063	73,730	42,516	16,546	16,808	10,285	8,032
MEAN	271	346	712	1,507	1,000	2,260	2,380	1,371	532	542	332	268
MAX	525	1,670	2,030	6,910	2,160	9,600	10,600	6,800	1,540	1,510	510	500
MIN	228	222	357	569	650	748	1,040	576	370	346	266	204
CFSM	.68	.89	1.78	3.86	2.67	5.68	6.18	3.45	1.39	1.36	.83	.67
IN.	.79	1.00	2.05	4.45	2.88	6.55	6.89	3.97	1.55	1.57	.96	.75
CAL YR 1963- TOTAL	251,576											
MEAN	689											
MAX	10,500											
MIN	174											
CFSM	1.73											
IN	23.51											
WAT YR 1964- TOTAL	357,968											
MEAN	977											
MAX	10,600											
MIN	204											
CFSM	2.45											
IN	33.41											

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	288	412	431	580	615	580	961	593	316	328	307	165
2	637	312	397	560	644	637	868	560	312	312	279	277
3	453	313	379	600	652	945	804	533	305	314	255	346
4	403	312	465	540	593	811	820	504	301	349	234	333
5	1,540	311	1,220	520	567	808	883	481	310	328	223	252
6	1,610	312	1,210	500	548	734	820	462	324	311	229	216
7	858	312	644	450	864	673	767	451	353	301	233	200
8	475	313	551	450	1,230	633	730	435	604	383	252	186
9	406	314	504	470	869	602	707	425	624	334	402	178
10	369	323	466	500	741	576	672	428	418	299	367	177
11	343	319	438	540	705	551	643	430	400	304	282	180
12	328	315	452	500	693	596	680	427	989	311	251	197
13	323	315	535	460	949	781	752	418	1,720	283	297	190
14	321	316	468	450	873	656	632	399	903	275	276	190
15	332	315	440	464	789	592	595	385	936	325	236	180
16	594	315	420	475	709	554	623	375	1,120	612	223	180
17	900	313	420	487	713	599	587	366	951	430	222	178
18	549	310	420	462	977	1,410	555	361	635	304	207	177
19	436	309	420	460	905	1,990	548	357	525	275	198	194
20	380	317	380	460	745	1,100	615	344	461	266	194	223
21	350	322	600	466	657	788	566	431	425	254	262	185
22	336	304	540	463	605	680	533	567	398	245	216	175
23	323	298	500	473	577	658	513	862	352	196	172	172
24	326	322	460	1,070	567	1,030	498	475	368	233	190	189
25	324	819	470	1,200	1,000	2,180	689	417	376	230	186	235
26	319	1,260	1,400	754	912	3,360	2,070	397	363	227	186	203
27	314	718	689	641	677	2,400	368	563	363	281	200	181
28	316	525	2,700	578	655	2,420	1,020	364	353	353	186	176
29	320	558	900	556	-----	1,360	747	352	346	547	176	173
30	323	488	700	622	-----	1,140	646	332	333	598	169	200
31	315	-----	620	751	-----	1,040	-----	323	-----	355	166	-----
TOTAL	15,118	11,892	21,350	17,502	20,991	32,884	23,364	13,602	16,204	10,202	7,300	6,108
MEAN	488	384	609	565	677	1,061	779	439	540	306	223	204
MAX	1,610	1,260	2,700	1,200	1,230	3,360	2,070	842	1,720	612	402	346
MIN	288	298	379	450	548	551	498	323	301	227	166	165
CFSM	1.23	1.00	1.73	1.42	1.88	2.67	1.96	1.10	1.36	.83	.59	.51
IN.	1.41	1.11	1.99	1.64	1.96	3.07	2.18	1.27	1.51	.95	.68	.57
CAL YR 1964- TOTAL	364,866											
MEAN	997											
MAX	10,600											
MIN	204											
CFSM	2.50											
IN	34.09											
WAT YR 1965- TOTAL	196,517											
MEAN	538											
MAX	3,360											
MIN	165											
CFSM	1.35											
IN	18.36											

Note --No gage-height record Dec 15 to Jan 15



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

Records available --July 1903 to September 1932, October 1936 to September 1965    Monthly discharge  
only for some periods, published in WSP 1304

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (5,000 cfs revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 25, 1961	2200	* 17,420	21 8	Mar 5, 1961	1800	7,180	15 1	Apr 30, 1964	1000	16,800	21 6
Feb 1, 1961	2400	7,760	15 4	May 5, 1961	0700	21,000	20 2	May 4, 1964	1500	* 18,200	22 3
				June 29, 1963	0400	* 22,400	24 1	July 20, 1964	1800	8,210	16 1
Dec 15, 1961	2400	* 11,900	18 79					July 24, 1964	0700	5,110	12 2
Jan 7, 1962	1800	5,150	12 27	Jan 11, 1964	1600	5,440	12 8				
Feb 24, 1962	0945	10,700	18 01	Jan 28, 1964	1700	11,100	18 3				
Mar 13, 1962	0400	7,980	15 89	Feb 20, 1964	0400	5,800	13 4	Oct 6, 1964	2100	* 8,100	16 0
Apr 14, 1962	1500	5,950	13 62	Mar 6, 1964	1700	15,100	18 6	Dec 29, 1964	2400	7,480	15 4
				Mar 17, 1964	0300	15,300	18 6	Dec 28, 1965	1100	7,190	15 1
Jan 21, 1963	2100	7,680	15 15	Mar 27, 1964	1800	15,200	20 8				

Annual minimum daily discharge, water years 1961-65							
Water year	Date		Discharge	Water year	Date		Discharge
1961	Nov 8, 1960,	Sept 30, 1961	480	1964	Oct 23, 1963		450
1962	Sept 7, 1962		255	1965	Aug 31, 1965		350
1963	Nov 4, 1962		400				

1903-32, 1936-65 Maximum discharge, 66,800 cfs Aug 26, 1908 (gage height, 35 4 ft), from rating curve extended above 23,000 cfs on basis of velocity-area studies and computation of flow over Barnett Shoals Dam at gage heights 28 1 and 30 0 ft, minimum daily, 59 cfs Oct 8, 1954  
Maximum stage known, 35 4 ft, Aug 26, 1908

Revisions (water years) --WSP 262 1908-9 WSP 822 Drainage area WSP 1304 1919-23 WSP 1504  
1908, 1912, 1915-16, 1917(M), 1919-23(M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961													
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	1,680	555	570	1,030	745	10,200	6,740	1,820	955	1,350	692	1,190	
2	1,150	692	570	1,150	745	10,200	7,010	1,820	885	1,230	1,110	1,270	
3	815	692	540	1,070	745	2,580	5,680	1,780	885	1,110	955	1,150	
4	728	555	525	885	745	2,140	4,060	1,600	832	990	1,270	990	
5	675	540	525	780	745	2,000	2,400	1,470	798	955	955	885	
6	622	525	525	745	710	1,820	1,960	1,390	798	885	798	1,070	
7	745	510	525	710	780	2,580	1,740	1,350	815	868	1,070	955	
8	1,030	480	540	692	1,230	3,250	1,600	1,310	780	1,550	1,510	885	
9	1,640	495	540	675	1,510	3,840	1,550	1,270	745	1,070	1,190	815	
10	1,860	510	540	640	1,350	3,460	2,140	1,730	692	920	990	760	
11	1,860	510	555	622	1,150	2,810	2,270	2,360	745	832	955	780	
12	1,390	540	815	605	990	2,220	3,350	3,050	885	955	885	762	
13	1,030	525	1,150	605	920	1,910	4,650	3,050	815	1,470	815	762	
14	850	525	990	710	850	1,910	4,700	2,400	780	2,720	745	728	
15	728	495	850	990	815	1,780	4,950	1,910	710	1,960	675	780	
16	692	510	762	1,110	798	1,600	5,620	1,640	920	1,510	710	868	
17	640	510	745	955	780	1,470	4,700	1,470	990	1,910	675	815	
18	622	540	710	850	885	1,390	3,510	1,310	955	2,140	640	815	
19	588	510	658	798	3,730	1,390	2,680	1,270	850	1,780	605	675	
20	588	510	640	920	4,700	1,390	2,140	1,230	780	1,600	570	692	
21	622	510	658	920	4,850	1,550	1,860	1,150	990	1,470	640	710	
22	675	495	675	850	5,110	1,730	1,680	1,110	1,960	1,190	658	692	
23	588	510	675	762	7,680	1,730	1,600	1,150	2,900	2,090	640	640	
24	555	658	640	745	14,000	1,550	1,510	1,230	3,900	2,000	985	605	
25	540	745	622	728	17,000	1,390	1,470	1,190	3,780	1,510	3,300	570	
26	510	692	622	745	17,000	1,310	1,430	1,150	2,000	1,070	3,840	555	
27	510	622	640	780	14,900	1,270	2,900	1,510	2,540	955	4,500	540	
28	495	605	640	780	14,000	1,230	4,500	1,780	2,810	885	4,750	540	
29	510	588	640	762	1,230	1,230	3,200	1,310	2,400	815	2,400	510	
30	510	570	640	745	-----	1,230	2,320	1,110	1,730	762	1,430	510	
31	510	-----	675	745	-----	3,000	-----	1,030	-----	728	1,190	-----	
TOTAL	25,958	16,724	20,384	25,104	119,463	72,500	95,910	49,040	41,625	41,280	42,148	23,386	
MEAN	837	557	658	810	4,267	2,339	3,197	1,582	1,368	1,332	1,360	780	
MAX	1,860	1,150	1,150	1,150	17,000	10,200	7,010	1,820	3,900	2,720	4,750	1,270	
MIN	495	480	525	605	710	1,230	1,430	1,030	692	728	570	640	
CFSM	.77	.51	.60	.74	3.91	2.15	2.93	1.45	1.27	1.22	1.25	.82	
IN.	.89	.57	.70	.86	4.08	2.47	3.27	1.67	1.42	1.41	1.44	.80	
CAL YR 1960:1	TOTAL	494,261		MEAN	1,323	MAX	8,070	MIN	330	CFSM	1.21	IN	10.56
MAX YR 1961:1	TOTAL	573,522		MEAN	1,377	MAX	17,000	MIN	448	CFSM	1.24	IN	10.56

2-2185 Oconee River near Greensboro, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	498	391	563	1,350	1,990	2,360	3,840	1,830	1,050	658	473	304
2	495	439	556	1,620	1,690	2,050	4,180	1,610	1,190	619	424	299
3	496	410	554	1,560	1,530	1,870	4,390	1,460	1,090	580	402	268
4	535	421	553	1,410	1,430	1,740	3,520	1,370	964	545	416	283
5	550	423	556	1,310	1,370	1,640	2,310	1,320	901	651	437	279
6	564	434	583	3,650	1,340	1,560	2,130	1,290	1,020	618	618	266
7	525	454	635	5,100	1,280	1,470	3,750	1,260	1,010	638	782	255
8	468	470	626	4,670	1,220	1,410	3,970	1,220	949	749	672	665
9	478	464	612	3,740	1,210	1,400	3,920	1,190	871	898	619	479
10	475	441	600	2,430	1,250	1,570	2,820	1,140	799	935	512	481
11	468	432	1,300	1,920	1,220	2,820	2,330	1,110	771	791	375	405
12	452	438	3,380	1,670	1,150	6,090	4,070	1,120	901	701	385	402
13	448	444	5,030	1,510	1,120	7,720	5,370	1,090	1,340	782	375	362
14	433	511	7,730	1,400	1,100	6,290	5,890	1,060	1,110	679	846	327
15	445	792	11,000	1,370	1,090	4,580	5,790	1,030	943	591	666	328
16	437	812	11,000	1,410	1,090	2,560	4,290	986	827	559	772	384
17	399	707	7,020	1,380	1,150	2,100	2,490	974	838	564	587	463
18	402	614	4,380	1,290	1,140	1,880	2,170	926	855	526	574	929
19	426	576	5,190	1,720	1,160	1,750	2,000	914	790	566	495	1,150
20	411	541	5,760	2,290	1,390	1,660	1,860	877	779	591	454	868
21	419	515	5,770	2,020	1,400	1,870	1,750	849	737	606	441	588
22	404	505	4,430	1,760	3,890	1,960	1,680	837	727	465	510	438
23	420	590	2,150	1,640	8,230	1,820	1,620	849	716	469	495	425
24	377	902	1,760	1,600	10,500	1,650	1,570	825	673	445	577	400
25	393	962	1,550	1,570	9,780	1,570	1,580	791	633	504	513	362
26	413	833	1,410	1,500	8,740	2,540	2,190	751	594	444	429	400
27	406	706	1,340	1,560	6,340	2,920	2,040	735	657	512	371	798
28	395	656	1,320	2,230	3,370	2,570	1,770	726	721	583	408	762
29	386	610	1,230	2,780	-----	2,140	1,810	766	766	452	360	588
30	410	599	1,250	2,830	-----	1,820	1,870	762	756	456	498	495
31	435	-----	1,170	2,480	-----	2,040	-----	734	-----	494	312	-----
TOTAL	13,864	17,112	91,108	64,770	78,170	77,420	88,970	32,402	26,031	18,671	15,608	14,453
MEAN	447	570	2,939	2,089	2,792	2,497	2,966	1,045	868	602	503	482
MAX	564	982	11,000	5,100	10,500	7,720	5,890	1,830	1,340	935	846	1,150
MIN	377	391	553	1,290	1,090	1,400	1,570	726	594	444	312	255
CFSM	.41	.52	2.70	1.92	2.56	2.29	2.72	.96	.80	.55	.46	.44
IN.	.47	.58	3.11	2.21	2.67	2.64	3.04	1.11	.89	.64	.53	.49

CAL YR 1961: TOTAL 632,539

WAT YR 1962: TOTAL 538,378

MEAN 1.733

MEAN 1.962

MAX 17,000

MAX 11,000

MIN 377

MIN 255

CFSM 1.39

CFSM 1.35

IN 21.58

IN 21.58

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	412	450	815	1,510	1,430	1,110	1,030	4,700	1,430	12,000	1,310	658
2	438	450	745	1,230	1,390	1,150	1,030	13,200	1,190	7,280	1,070	605
3	605	465	728	990	1,640	1,190	990	13,800	1,070	4,170	920	555
4	920	400	710	885	2,180	1,110	955	10,200	990	2,500	885	540
5	1,270	438	710	850	2,220	1,110	955	4,310	955	2,000	850	588
6	1,030	450	692	780	1,910	2,090	955	1,910	885	1,780	745	570
7	780	425	710	762	1,550	3,100	1,070	1,600	850	1,860	780	570
8	622	425	692	745	1,390	3,780	1,190	1,470	850	1,730	762	555
9	605	480	658	710	1,270	4,500	1,110	1,350	832	1,550	692	540
10	570	640	640	658	1,190	4,280	990	1,270	832	1,470	675	525
11	540	692	622	675	1,190	2,090	955	1,150	780	1,430	658	510
12	495	640	605	1,350	2,220	1,860	920	1,110	710	1,310	658	480
13	465	658	540	1,640	2,180	4,900	885	1,070	675	1,230	640	450
14	480	762	480	1,510	1,640	6,090	850	1,390	640	1,190	605	465
15	465	710	570	1,190	1,390	6,410	815	2,040	588	1,190	658	588
16	425	622	640	990	1,230	7,010	815	2,000	588	1,230	658	885
17	450	540	640	885	1,150	5,300	815	1,470	1,820	1,390	588	850
18	465	555	640	2,440	1,110	2,450	780	1,190	3,000	1,390	570	658
19	450	640	605	4,060	1,550	2,000	780	1,070	3,100	1,470	555	588
20	450	762	588	5,160	2,320	1,780	780	990	3,200	1,270	570	555
21	450	850	588	7,100	2,180	1,680	850	990	3,840	1,390	675	525
22	450	2,720	605	6,920	1,780	1,470	815	990	3,620	1,510	675	510
23	438	3,050	710	4,800	1,470	1,350	745	990	3,150	1,270	658	540
24	450	3,730	780	2,500	1,390	1,270	710	885	3,350	1,110	640	438
25	438	2,860	798	1,820	1,350	1,230	675	832	3,900	1,110	570	438
26	412	1,470	1,190	1,510	1,270	1,230	675	832	3,780	1,310	540	438
27	412	1,070	1,680	1,470	1,190	1,470	658	955	6,610	1,390	540	425
28	412	920	1,430	1,390	1,110	1,350	710	3,760	18,400	1,190	525	576
29	425	885	1,230	-----	1,190	1,680	1,680	4,220	21,700	1,110	576	2,270
30	450	850	1,670	1,190	-----	1,110	4,700	3,300	17,600	1,190	1,070	2,360
31	438	-----	1,730	1,310	-----	1,070	-----	1,960	-----	1,780	780	-----
TOTAL	16,712	29,609	25,281	60,260	43,890	77,730	30,888	91,004	110,935	63,800	22,092	20,255
MEAN	539	987	816	1,944	1,568	2,507	1,030	2,936	3,698	2,058	713	675
MAX	1,270	3,730	1,730	7,100	2,320	7,010	4,700	13,800	21,700	12,000	1,310	2,360
MIN	412	400	480	658	1,110	1,070	658	832	588	1,110	525	425
CFSM	.49	.91	.75	1.78	1.44	2.30	.94	2.69	3.39	1.89	.65	.65
IN.	.57	1.01	.86	2.06	1.50	2.65	1.05	3.10	3.79	2.18	.75	.69

CAL YR 1962: TOTAL 488,097

WAT YR 1963: TOTAL 592,456

MEAN 1.337

MEAN 1.623

MAX 10,500

MAX 21,700

MIN 255

MIN 400

CFSM 1.23

CFSM 1.49

IN 16.65

IN 20.21

## 2-2185 Oconee River near Greensboro, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	2,220	495	2,720	1,390	1,910	1,860	2,810	7,780	1,430	798	1,150	1,190	
2	1,470	555	2,180	2,630	1,820	2,000	2,540	5,620	2,220	780	1,070	955	
3	955	555	1,470	3,100	1,640	4,440	2,360	10,800	2,580	1,600	1,030	780	
4	745	588	1,190	2,810	1,510	5,060	2,320	17,600	1,910	1,270	955	710	
5	692	570	1,070	2,180	1,430	5,380	2,270	14,500	1,510	1,030	1,390	675	
6	675	728	955	1,860	2,000	5,800	3,620	10,400	1,390	920	1,310	658	
7	640	780	885	2,090	2,580	4,800	9,160	6,330	1,390	832	1,030	622	
8	588	745	868	2,140	2,720	3,000	14,500	3,510	1,430	780	885	605	
9	605	605	885	3,250	2,220	2,580	16,400	2,860	1,350	798	868	570	
10	588	555	885	4,850	1,820	2,450	13,300	2,630	1,270	1,030	832	570	
11	588	570	920	5,380	1,680	2,360	10,700	2,450	1,190	920	850	605	
12	570	570	2,500	5,220	1,600	2,220	7,190	2,320	1,150	885	990	885	
13	570	555	3,250	3,840	1,510	2,040	4,440	2,320	1,110	1,310	1,030	1,270	
14	555	540	3,950	2,900	1,860	2,040	4,060	2,500	1,110	1,910	885	1,030	
15	570	540	4,700	2,500	2,040	6,040	4,000	2,270	1,070	1,230	798	885	
16	525	540	4,390	2,090	3,730	10,100	3,620	1,960	1,030	1,030	780	815	
17	525	540	2,760	1,910	4,000	10,700	3,100	1,860	955	990	955	745	
18	525	540	1,910	1,910	4,280	8,670	2,810	1,820	920	1,230	1,110	745	
19	525	570	1,550	1,730	5,380	6,040	2,630	1,730	920	3,730	955	710	
20	525	570	1,350	2,180	5,620	3,150	2,540	1,680	885	7,100	885	728	
21	495	570	1,270	2,140	4,550	2,680	2,400	1,640	850	5,620	780	745	
22	540	570	1,190	1,820	2,720	2,500	2,320	1,600	832	3,950	745	745	
23	450	588	1,190	1,640	2,220	2,320	2,270	1,550	832	4,060	745	710	
24	495	658	1,310	1,780	2,040	2,180	2,220	1,510	1,430	4,950	850	710	
25	495	762	1,310	5,000	1,910	2,720	2,320	1,510	1,230	3,620	920	675	
26	510	728	1,230	7,100	2,090	7,260	2,540	1,470	1,070	2,000	780	640	
27	510	868	1,190	8,430	2,090	14,700	4,000	1,390	1,190	1,600	710	588	
28	510	1,390	1,150	10,700	2,040	14,200	7,380	1,350	990	1,390	658	605	
29	540	1,960	1,070	8,790	1,960	13,500	9,290	1,310	885	1,270	675	640	
30	510	2,540	1,070	3,950	-----	9,160	9,550	1,350	832	1,190	955	692	
31	480	-----	1,030	2,040	-----	4,700	-----	1,350	-----	1,230	1,270	-----	
TOTAL	20,191	22,345	53,398	109,350	72,970	166,650	158,660	118,970	36,961	61,053	28,846	22,503	
MEAN	651	715	1,723	3,527	2,316	5,376	5,289	3,838	1,232	1,969	931	750	
MAX	2,220	2,540	4,700	10,700	5,620	14,700	16,400	17,600	2,580	7,100	1,390	1,270	
MIN	450	495	868	1,390	1,430	1,860	2,220	1,310	832	780	658	570	
CFSM	.60	.68	1.58	3.24	2.31	4.93	4.85	3.52	1.13	1.81	.85	.69	
IN.	.69	.76	1.82	3.73	2.49	5.69	5.41	4.06	1.26	2.08	.98	.77	
CAL YR 1963	TOTAL 616,788			MEAN 1,690		MAX 21,700		MIN 425		CFSM 1.55		IN 21.04	
MAT YR 1964	TOTAL 871,897			MEAN 2,382		MAX 17,600		MIN 450		CFSM 2.19		IN 29.75	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	920	850	1,150	2,140	1,470	1,680	2,680	1,470	745	815	815	362	
2	1,110	832	1,070	1,910	1,390	1,680	2,450	1,350	745	780	728	425	
3	1,640	832	990	1,780	1,390	1,910	2,220	1,270	728	762	588	1,150	
4	1,430	832	1,030	1,780	1,310	2,090	2,220	1,190	728	745	605	835	
5	3,960	832	1,390	1,600	1,190	2,000	2,270	1,150	745	815	570	710	
6	7,190	798	2,360	1,510	1,150	1,860	2,180	1,110	762	780	570	588	
7	6,740	815	2,140	1,390	1,730	1,730	2,040	1,070	798	762	555	510	
8	3,050	798	1,600	1,310	2,680	1,600	1,960	1,030	1,150	832	605	438	
9	1,640	798	1,310	1,310	2,500	1,600	1,860	990	1,510	920	675	438	
10	1,310	815	1,190	1,270	2,180	1,430	1,780	1,030	1,270	885	920	388	
11	1,150	798	1,110	1,310	1,910	1,390	1,680	1,030	1,030	762	832	412	
12	1,070	798	1,110	1,350	2,000	1,640	1,730	1,030	1,390	780	640	412	
13	990	780	1,230	1,230	2,500	2,090	1,910	990	2,580	850	588	425	
14	955	798	1,230	1,190	2,500	1,960	1,820	920	3,100	745	675	425	
15	990	762	1,110	1,190	2,630	1,680	1,680	885	2,360	1,030	675	425	
16	1,270	780	1,070	1,190	2,180	1,510	2,040	832	2,630	920	570	412	
17	1,730	780	1,030	1,190	2,320	1,550	1,780	815	2,450	1,190	525	400	
18	1,820	815	1,030	1,150	3,100	3,840	1,600	815	1,910	920	540	425	
19	1,430	832	1,070	1,110	2,720	4,060	1,510	798	1,510	710	438	400	
20	1,150	920	1,110	1,070	2,270	3,900	1,510	832	1,270	640	450	400	
21	990	955	1,350	1,070	1,960	2,810	1,600	1,110	1,150	658	438	438	
22	955	885	1,470	1,070	1,730	2,090	1,510	1,030	1,030	605	525	400	
23	920	815	1,310	1,070	1,600	1,910	1,430	1,230	990	588	480	388	
24	885	832	1,230	1,510	1,550	3,510	1,390	1,430	955	555	450	375	
25	885	1,510	2,580	2,270	2,320	4,750	1,390	1,110	955	540	438	450	
26	850	2,270	4,800	2,180	2,540	4,900	2,220	1,030	955	570	438	555	
27	850	2,270	6,330	1,730	2,220	5,680	3,680	990	920	555	425	480	
28	850	1,730	6,570	1,430	1,860	7,010	3,680	885	885	675	425	425	
29	850	1,390	7,100	1,310	-----	5,940	2,180	868	850	1,350	425	400	
30	885	1,270	6,490	1,270	-----	4,650	1,680	832	850	1,310	412	400	
31	885	-----	2,810	1,350	-----	3,000	-----	798	-----	1,110	350	-----	
TOTAL	51,350	30,192	67,370	44,240	56,900	87,450	59,680	31,920	38,951	25,159	17,370	14,291	
MEAN	1,656	1,006	2,173	1,427	1,787	2,821	1,989	1,030	1,298	812	560	476	
MAX	7,190	2,270	7,100	2,270	3,100	7,010	3,680	1,920	3,100	1,350	920	1,150	
MIN	850	762	990	1,070	1,150	1,390	1,390	798	728	540	350	362	
CFSM	1.52	.92	1.99	1.31	1.86	2.59	1.83	.94	1.19	.74	.51	.44	
IN.	1.75	1.03	2.30	1.51	1.94	2.98	2.04	1.09	1.33	.86	.59	.49	
CAL YR 1964	TOTAL 924,875			MEAN 2,527		MAX 71,600		MIN 570		CFSM 2.32		IN 31.56	
MAT YR 1965	TOTAL 524,873			MEAN 1,438		MAX 7,190		MIN 350		CFSM 1.32		IN 17.91	

2-2195 Apalachee River near Buckhead, Ga

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

Drainage area --436 sq mi

Records available --January 1901 to December 1908, April 1937 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 424 07 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Mar 22, 1905, staff gage and Mar 22, 1905, to Dec 31, 1908, chain gage, at same site at different datum May 13, 1937, to Feb 1, 1939, staff gage and Feb 2, 1939, to Sept 29, 1960, graphic water-stage recorder at same site and datum

Average discharge --35 years, 573 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (5,000 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 26, 1961	0800	* 11,000	19 6	May 1, 1963	1800	7,200	16 55	Apr 26, 1964	1030	6,880	16 23
Apr 1, 1961	1300	5,670	15 0	June 28, 1963	0300	* 12,900	20 84	May 3, 1964	2400	* 14,200	21 70
Feb 23, 1962	2030	* 8,420	17 63	Jan 26, 1964	1400	6,220	15 57	July 19, 1964	2000	6,120	15 47
Mar 13, 1962	0015	5,630	14 96	Mar 16, 1964	1300	8,210	17 46	Oct 6, 1964	0400	* 5,860	15 21
Jan 21, 1963	1330	5,550	14 87	Mar 27, 1964	0200	12,600	20 64				
				Apr 7, 1964	1900	10,500	19 21				

Annual minimum discharge, water years 1961-65					
Water year	Date	Discharge	Water year	Date	Discharge
1961	Oct 31, 1960	132	1964	Oct 31, 1963	150
1962	Sept 7, 1962	75	1965	Sept 1, 1965	117
1963	Oct 26, 1962	127			

1901-8, 1937-65 Maximum discharge observed, 28,900 cfs Aug 25, 1908 (gage height, 27 5 ft, datum then in use), minimum daily, 16 cfs Oct 13, 1954

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

Revisions (water years) --WSP 1504 1901-8, 1906, 1908-9, 1938(M), 1944-45(M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	322	157	180	347	258	1,430	5,040	700	322	430	242	338
2	226	184	178	401	258	1,080	3,510	748	314	392	242	330
3	191	198	177	330	258	902	1,710	700	298	356	234	314
4	174	183	177	274	250	772	1,190	628	282	330	322	274
5	170	171	177	242	250	724	1,080	558	274	306	282	266
6	176	170	176	226	242	676	954	514	282	290	250	514
7	184	167	170	219	282	1,030	850	290	290	290	347	430
8	212	156	170	212	460	1,640	748	470	274	1,060	481	306
9	410	157	169	212	547	1,820	772	492	258	687	401	274
10	536	146	166	205	460	1,490	1,060	824	242	383	314	250
11	340	157	191	198	363	1,030	980	1,380	430	401	282	258
12	274	163	258	198	338	824	1,270	2,110	410	536	282	242
13	250	159	266	198	314	724	2,390	1,780	322	771	250	234
14	226	157	234	306	298	772	2,030	1,140	266	1,710	250	226
15	198	157	219	430	290	772	1,550	850	258	1,620	234	250
16	156	156	219	420	290	700	2,390	700	356	676	250	274
17	145	159	212	347	282	652	2,070	604	374	547	234	219
18	155	167	205	298	410	604	1,320	536	314	628	219	205
19	191	169	198	282	1,700	604	1,060	514	290	628	205	205
20	191	160	191	330	3,510	604	902	481	274	676	205	219
21	184	159	198	365	3,510	652	798	440	392	676	234	219
22	156	156	205	306	3,770	676	724	420	824	514	226	205
23	157	169	191	274	3,840	700	628	503	876	492	219	205
24	153	219	191	258	3,150	652	580	492	876	503	258	198
25	160	242	191	250	7,040	580	503	440	772	383	772	191
26	184	212	198	258	10,500	503	481	460	604	338	876	177
27	191	198	198	290	6,520	450	1,150	492	850	314	1,140	166
28	163	191	191	282	2,880	430	2,350	440	1,160	298	676	162
29	141	191	184	274	-----	440	1,550	392	824	282	450	166
30	135	191	198	266	-----	430	954	365	536	266	347	191
31	134	-----	212	266	-----	1,370	-----	338	-----	250	330	-----
TOTAL	6,475	5,221	6,090	8,764	52,290	25,733	42,594	21,014	13,844	17,033	11,054	7,508
MEAN	209	174	196	283	1,668	830	1,420	678	461	549	357	250
MAX	536	242	266	430	10,500	1,820	5,040	2,110	1,160	1,710	1,140	514
MIN	134	146	166	198	242	430	481	338	242	250	205	162
CFSM	148	140	145	165	428	1,90	326	155	106	126	82	57
IN.	.55	.45	.52	.75	4.46	2.19	3.63	1.79	1.18	1.45	.94	.64
CAL YR 1960	TOTAL 190,809			MEAN 521	MAX 5,760	MIN 81	CFSM 1.20	IN 16.28				
WAT YR 1961	TOTAL 217,620			MEAN 596	MAX 10,500	MIN 134	CFSM 1.37	IN 16.56				

## 2-2195 Apalachee River near Buckhead, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	189	143	204	479	739	861	1,770	728	256	211	129	104
2	189	144	202	639	647	755	2,050	643	351	196	121	94
3	190	143	202	564	586	701	1,480	574	556	186	120	94
4	198	143	202	473	545	655	1,080	538	380	186	137	90
5	201	146	203	437	524	611	911	515	328	183	139	87
6	193	156	217	1,370	506	575	920	486	422	180	148	83
7	187	179	238	2,980	470	544	1,660	466	328	258	131	79
8	165	169	231	2,480	449	525	1,790	452	317	398	121	223
9	184	176	215	1,370	458	531	1,610	433	284	470	120	198
10	182	196	225	874	465	625	1,170	416	261	377	114	148
11	161	199	331	709	442	1,110	1,070	403	265	276	105	133
12	138	189	1,140	614	418	4,100	2,090	401	328	239	96	127
13	134	172	4,090	552	411	4,650	3,930	389	317	238	100	119
14	131	192	4,700	511	404	2,370	3,040	377	335	210	282	107
15	127	286	2,850	509	397	1,430	1,650	366	323	190	276	104
16	122	280	1,480	533	403	1,160	1,170	353	265	176	224	110
17	123	232	1,060	504	439	1,020	985	356	259	168	209	158
18	134	209	1,620	462	420	932	890	339	252	159	227	230
19	130	197	3,530	723	424	774	828	329	241	167	167	188
20	125	191	2,730	1,180	473	681	777	317	231	186	153	145
21	128	188	1,370	1,070	473	814	732	298	241	179	159	131
22	128	186	858	799	1,940	941	702	263	243	160	178	123
23	127	236	683	719	7,270	773	681	246	221	144	176	117
24	146	359	605	732	6,620	666	662	241	211	140	304	116
25	134	339	535	675	3,040	645	647	248	196	141	208	114
26	129	270	479	610	1,770	1,120	816	244	188	146	160	127
27	127	236	451	575	1,270	1,570	857	234	322	155	140	293
28	127	226	449	1,000	1,000	1,200	781	225	291	140	139	288
29	101	140	1,630	440	923	923	788	263	336	815	275	195
30	137	209	405	1,430	-----	810	806	289	234	138	125	156
31	141	-----	381	928	-----	966	-----	258	-----	138	111	-----
TOTAL	4,668	6,208	32,326	28,081	33,003	35,038	38,343	11,690	8,709	6,268	4,957	4,281
MEAN	151	199	1,043	906	1,079	1,130	1,278	377	286	202	160	147
MAX	201	359	4,700	2,980	7,270	4,650	3,930	728	556	470	304	293
MIN	122	143	202	437	397	525	647	225	188	133	96	79
CFSM	.35	.47	2.39	2.08	2.70	2.59	2.93	.86	.67	.46	.37	.33
IN.	.40	.53	2.76	2.40	2.82	2.99	3.27	1.00	.74	.53	.42	.37

CAL YR 1961: TOTAL 243,036

MEAN 666

MAX 10,500

MIN 122

CFSM 1.53

IN 20.73

WAT YR 1962: TOTAL 213,572

MEAN 585

MAX 7,270

MIN 79

CFSM 1.34

IN 18.22

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	143	141	272	394	568	421	443	6,880	503	1,970	396	239
2	173	139	259	338	545	450	426	4,930	405	1,400	329	198
3	253	139	250	306	675	444	414	1,950	361	1,180	296	178
4	301	140	247	290	584	404	414	880	336	815	275	195
5	361	140	246	274	775	415	388	635	310	645	261	178
6	239	140	246	266	631	975	399	623	291	557	243	173
7	191	154	241	266	556	1,550	508	454	270	554	230	171
8	176	168	233	268	505	1,240	533	435	319	515	222	171
9	195	192	226	258	457	844	460	379	273	477	211	169
10	217	216	219	250	425	672	413	348	246	461	200	161
11	186	229	215	254	453	589	385	331	231	424	191	152
12	165	225	209	648	852	645	368	315	216	384	186	144
13	157	239	192	783	1,200	2,430	357	317	202	362	183	140
14	151	257	221	571	775	4,130	340	445	192	352	185	149
15	148	230	219	428	586	2,370	329	645	184	363	179	334
16	146	211	226	368	506	1,260	322	512	187	376	174	271
17	146	205	219	335	462	982	319	375	111	472	170	217
18	144	226	219	1,060	439	1,080	315	324	1,630	458	168	195
19	139	258	212	2,400	634	873	310	298	2,340	397	165	187
20	136	258	212	3,620	963	745	334	283	1,670	381	160	179
21	136	367	212	5,330	863	678	370	288	1,580	456	175	168
22	141	1,140	212	3,410	652	593	339	329	1,320	471	171	157
23	145	1,140	226	1,560	543	538	310	302	1,300	389	170	151
24	139	954	242	971	532	510	285	266	1,200	334	168	143
25	131	604	274	756	538	494	275	252	1,120	422	160	136
26	128	392	356	636	499	521	282	258	1,550	540	154	131
27	129	330	430	622	454	779	279	314	8,710	431	167	128
28	132	306	374	560	423	708	331	944	11,700	362	192	239
29	136	298	356	486	-----	552	695	2,340	6,720	336	201	949
30	140	282	450	471	-----	493	2,990	1,990	3,000	469	481	886
31	142	-----	470	539	-----	463	-----	873	-----	448	399	-----
TOTAL	5,246	9,720	8,185	28,706	17,395	28,855	13,923	29,415	49,075	17,201	6,862	6,865
MEAN	169	324	264	926	621	931	464	949	1,636	555	221	229
MAX	361	1,140	470	5,330	1,200	4,130	2,990	6,880	11,700	1,070	481	949
MIN	128	139	192	250	423	411	275	252	184	334	154	128
CFSM	.39	.74	.61	2.12	1.42	2.13	1.06	2.18	3.75	1.27	.51	.52
IN.	.45	.83	.70	2.45	1.48	2.46	1.19	2.51	4.19	1.47	.59	.59

CAL YR 1962: TOTAL 193,521

MEAN 530

MAX 7,270

MIN 79

CFSM 1.22

IN 18.51

WAT YR 1963: TOTAL 221,448

MEAN 607

MAX 11,700

MIN 128

CFSM 1.56

IN 18.89

## 2-2195 Apalachee River near Buckhead, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	523	157	945	516	791	734	1,070	1,510	545	288	696	425	
2	426	188	575	986	753	812	957	1,570	842	303	576	366	
3	263	204	395	1,010	683	2,270	900	9,220	711	861	526	338	
4	244	193	355	964	634	3,330	876	11,700	592	1,760	487	323	
5	214	191	323	981	618	2,550	860	5,210	507	884	632	307	
6	202	387	287	892	865	2,940	1,800	2,310	477	484	608	304	
7	194	501	264	1,030	1,220	1,900	9,020	1,520	509	399	536	296	
8	190	307	257	1,240	989	1,180	8,850	1,260	505	360	466	287	
9	185	235	273	1,600	792	1,010	5,740	1,100	452	368	434	278	
10	179	213	267	3,310	698	956	2,980	988	427	393	421	274	
11	174	205	338	3,170	665	980	1,790	921	407	381	425	303	
12	174	199	1,110	1,800	642	860	1,390	865	389	379	463	396	
13	173	194	1,820	1,430	624	764	1,330	841	381	599	441	503	
14	171	194	1,900	1,270	778	812	1,700	806	384	1,500	400	402	
15	174	190	2,460	976	886	3,840	1,640	757	382	979	381	328	
16	174	189	1,970	807	1,610	7,900	1,280	720	360	526	386	297	
17	169	191	1,100	771	2,250	5,600	1,090	695	329	481	451	277	
18	166	195	743	824	2,010	2,590	990	672	317	645	469	266	
19	162	198	587	755	3,950	1,470	930	647	310	3,680	418	261	
20	162	198	501	996	3,190	1,180	881	622	298	4,080	384	267	
21	160	203	451	1,020	1,680	1,100	837	601	286	2,800	361	265	
22	158	206	416	800	1,100	1,010	795	578	301	2,860	352	258	
23	154	223	425	692	912	908	765	561	333	2,550	363	252	
24	156	273	502	790	815	836	753	551	576	2,860	437	246	
25	160	282	476	2,920	781	1,070	859	551	577	1,710	467	232	
26	162	252	419	6,000	856	7,610	1,050	529	439	1,120	404	219	
27	162	303	389	3,950	852	10,500	2,570	503	436	830	359	215	
28	162	456	368	1,970	835	5,000	6,560	486	376	706	348	223	
29	163	690	347	1,140	803	2,300	4,430	470	334	632	346	232	
30	158	1,150	331	883	-----	1,500	2,480	481	303	597	427	239	
31	152	-----	331	795	-----	1,210	-----	500	-----	721	532	-----	
TOTAL	5,956	8,567	20,925	46,288	33,282	76,722	67,173	49,745	13,085	36,736	13,996	8,879	
MAX	523	1,150	2,460	6,000	3,950	10,500	9,020	11,700	842	4,080	696	503	
MIN	152	157	257	516	618	734	753	470	286	288	346	215	
CFSM	.44	.65	1.55	3.42	2.63	5.68	5.14	3.68	1.00	2.72	1.04	.68	
IN.	.51	.73	1.78	3.95	2.84	6.54	5.73	4.24	1.12	3.13	1.19	.76	
CAL YR 1963	TOTAL 233,745			MEAN 640		MAX 11,700		MIN 128		CFSM 1.47		IN 19.94	
WAT YR 1964	TOTAL 381,354			MEAN 1,042		MAX 11,700		MIN 152		CFSM 2.39		IN 32.53	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	307	335	442	731	510	676	989	557	279	240	260	118	
2	333	334	405	664	549	716	901	523	274	240	270	310	
3	362	337	395	638	558	801	826	494	269	230	242	932	
4	387	336	412	602	512	773	884	471	268	240	223	860	
5	2,380	329	506	558	485	721	1,060	452	271	250	218	418	
6	5,030	329	615	533	481	692	990	435	283	240	228	282	
7	2,400	326	541	520	726	653	867	424	301	240	241	226	
8	859	327	467	506	1,180	631	791	413	423	270	280	205	
9	553	323	437	496	996	595	745	405	521	280	327	184	
10	456	321	419	496	835	546	702	414	410	260	312	184	
11	409	318	405	507	769	512	669	452	371	240	267	184	
12	379	316	421	503	807	678	677	426	566	250	232	181	
13	360	316	465	474	1,100	799	799	412	773	260	210	181	
14	383	318	454	478	1,060	896	795	387	538	240	200	170	
15	406	318	414	518	994	704	666	372	570	320	187	160	
16	591	317	392	569	870	619	958	362	779	290	183	156	
17	787	317	388	547	916	681	888	358	689	360	178	156	
18	640	321	414	490	1,310	1,800	682	351	516	300	179	163	
19	493	322	417	468	1,320	2,760	627	344	429	240	162	163	
20	427	364	455	462	953	1,720	625	336	372	200	152	156	
21	395	385	584	461	803	1,060	612	387	336	200	149	145	
22	383	344	572	458	727	846	579	383	312	190	154	139	
23	376	314	511	467	677	782	551	398	285	180	147	136	
24	367	347	682	701	675	1,410	523	455	268	170	153	134	
25	353	655	1,090	969	973	2,700	525	389	260	170	160	148	
26	347	1,120	2,370	813	1,080	2,400	708	361	256	180	167	156	
27	343	847	3,180	647	837	2,260	1,370	353	247	190	141	142	
28	343	577	3,020	565	722	2,380	1,470	333	254	250	139	134	
29	346	528	2,030	529	-----	1,590	763	316	260	420	145	128	
30	348	508	1,170	518	-----	1,210	620	300	250	410	130	148	
31	342	-----	849	514	-----	1,060	-----	287	-----	340	119	-----	
TOTAL	21,885	12,139	24,722	17,402	23,425	35,972	23,862	12,350	11,630	7,890	6,155	6,799	
MEAN	706	405	797	561	837	1,160	795	398	388	255	199	227	
MAX	5,030	1,120	3,180	969	1,320	2,760	1,470	557	779	420	327	932	
MIN	307	314	388	458	481	512	523	287	247	170	119	118	
CFSM	1.62	.93	1.83	1.29	1.92	2.66	1.82	.91	.89	.58	.46	.52	
IN.	1.87	1.04	2.11	1.48	2.00	3.07	2.04	1.05	.99	.67	.53	.58	
CAL YR 1964	TOTAL 404,652			MEAN 1,106		MAX 11,700		MIN 215		CFSM 2.54		IN 34.52	
WAT YR 1965	TOTAL 204,231			MEAN 560		MAX 5,030		MIN 118		CFSM 1.28		IN 17.42	

Note --No gage-height record July 1 to Aug 2



2-2205 5 Whitten Creek near Sparta, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.7	2.0	2.6	61	18	21	144	12	4.5	5.0	2.7	2.5
2	1.7	2.0	2.8	24	16	23	42	11	7.6	4.5	2.3	2.5
3	1.7	2.2	2.9	14	14	22	29	10	6.5	4.2	3.1	2.3
4	1.7	2.0	2.9	11	15	19	25	9.5	4.5	8.4	2.8	2.3
5	1.6	2.2	2.9	9.3	14	18	23	9.3	19	24	2.3	2.5
6	1.4	2.3	4.2	426	14	17	58	9.3	13	6.5	1.9	2.2
7	1.4	2.6	4.6	56	12	16	125	8.4	6.8	7.9	3.5	2.3
8	1.4	2.2	2.9	29	12	15	80	7.9	6.1	6.5	3.6	3.1
9	1.6	2.2	2.9	20	12	16	42	7.7	5.4	10	7.3	2.8
10	1.4	2.2	4.5	17	11	20	30	7.7	5.0	5.0	2.7	2.8
11	1.3	2.3	20	14	11	198	65	7.7	5.4	4.2	2.0	2.7
12	1.2	2.3	114	13	11	293	278	7.7	6.8	4.7	1.9	2.5
13	1.2	2.5	57	12	10	49	62	6.8	6.8	5.0	2.2	2.3
14	1.3	2.6	13	12	10	32	37	6.5	10	3.8	5.4	2.2
15	.90	2.6	24	13	10	28	31	6.5	5.2	3.5	2.8	2.0
16	1.0	2.6	13	13	11	24	26	6.1	4.7	3.3	2.3	10
17	1.3	2.5	20	12	11	21	24	6.5	4.7	7.6	3.0	22
18	1.2	2.3	30	11	10	20	22	6.1	4.3	28	2.7	8.1
19	1.2	2.3	14	89	12	18	20	5.7	4.2	6.3	2.0	4.2
20	1.3	2.3	9.7	44	11	18	18	5.4	4.2	5.0	2.0	3.3
21	1.4	2.2	8.0	26	30	48	16	5.0	4.3	4.3	8.2	3.0
22	1.4	2.3	7.2	20	425	28	15	4.7	4.0	4.0	11	2.8
23	1.4	4.6	7.2	18	72	22	15	6.8	3.6	3.5	4.2	3.0
24	1.4	5.7	6.6	17	108	19	14	5.0	5.2	3.5	4.8	2.8
25	1.4	3.2	6.0	15	44	23	14	4.7	6.8	5.4	3.6	2.5
26	1.4	2.8	5.7	14	32	40	21	4.5	9.4	6.1	3.3	6.0
27	1.3	2.9	5.7	14	25	25	21	4.2	47	3.5	3.3	7.2
28	1.3	2.9	6.6	174	22	21	15	4.5	9.0	3.1	3.3	3.8
29	1.7	2.8	5.7	44	-----	19	16	6.5	7.0	3.0	3.0	3.3
30	1.9	2.6	5.6	27	-----	18	14	4.5	5.9	3.1	2.7	3.1
31	2.0	-----	5.2	20	-----	123	-----	4.5	-----	3.5	2.5	-----
TOTAL	44.10	78.5	417.7	1,289.3	1,002	1,234	1,342	212.2	236.9	196.4	108.4	122.1
MEAN	1.42	2.62	13.5	41.6	35.8	39.8	44.7	6.85	7.90	6.34	3.50	4.07
MAX	2.0	5.7	114	426	425	253	278	12	47	28	11	22
MIN	.90	2.0	2.6	9.3	10	15	14	4.2	3.6	3.0	1.9	2.0
CFSM	.09	.17	.90	2.77	2.39	2.65	2.98	.46	.53	.42	.23	.27
IN.	.11	.19	1.04	3.20	2.48	3.06	3.33	.53	.59	.49	.27	.30
CAL YR 1961 TOTAL 7,973.10 MEAN 21.8 MAX 884 MIN .90 CFSM 1.46 IN 19.77												
WAT YR 1962 TOTAL 6,283.60 MEAN 17.2 MAX 426 MIN .90 CFSM 1.15 IN 15.58												

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	3.1	3.5	5.2	9.6	16	12	12	64	18	25	5.3	3.2	
2	3.2	3.5	5.0	8.6	16	11	12	42	14	18	4.9	3.1	
3	3.8	3.5	5.0	7.7	23	9.6	11	22	12	15	4.9	2.8	
4	8.9	3.5	5.0	7.3	18	9.8	11	14	9.3	13	4.7	3.2	
5	5.2	3.5	4.9	6.9	14	11	10	12	7.6	12	4.4	3.8	
6	3.9	3.5	5.0	6.5	13	115	18	11	6.8	12	4.2	3.1	
7	3.5	3.8	4.7	6.5	11	35	23	9.8	6.7	18	3.9	3.1	
8	3.6	3.9	4.9	6.3	10	22	15	9.3	5.9	12	3.9	3.1	
9	3.9	22	4.7	6.1	9.3	17	13	9.1	5.3	11	3.9	2.8	
10	3.2	8.6	4.5	6.1	9.1	14	11	8.4	5.0	11	3.6	2.5	
11	3.1	5.2	4.5	6.1	104	12	11	7.3	4.7	9.3	3.6	2.5	
12	3.1	5.2	4.5	22	78	26	10	7.1	4.7	8.4	3.9	2.4	
13	2.9	5.0	4.5	13	29	486	10	8.0	4.4	8.2	3.5	2.5	
14	2.9	4.7	4.0	11	20	94	9.6	19	4.1	8.4	3.2	2.9	
15	2.9	4.5	3.0	9.1	16	34	9.3	9.8	3.9	8.6	2.9	7.5	
16	3.1	4.5	4.0	8.2	14	27	9.1	7.1	5.0	8.9	2.6	4.4	
17	2.9	4.4	4.5	8.2	12	39	9.1	6.3	41	9.3	3.1	3.3	
18	2.8	5.3	4.4	163	11	36	8.9	5.9	26	16	2.9	3.2	
19	2.6	5.3	4.2	136	74	25	8.4	5.7	21	10	2.9	3.2	
20	2.5	6.5	4.2	617	36	25	8.4	5.9	23	8.2	3.2	3.1	
21	2.9	21	4.5	154	23	21	8.2	6.1	20	10	3.5	2.9	
22	3.9	29	5.2	34	17	18	7.7	5.7	76	6.7	3.3	2.9	
23	3.1	9.3	4.9	22	14	17	7.3	5.3	31	6.3	3.6	3.2	
24	2.6	7.5	4.2	16	23	16	6.9	4.9	22	6.5	3.1	3.1	
25	2.6	6.5	21	14	21	15	7.3	4.9	20	7.1	2.6	2.9	
26	2.6	6.1	12	13	16	23	7.5	5.2	49	9.3	2.5	2.9	
27	2.9	5.7	8.4	13	13	72	6.9	33	80	8.4	4.1	2.9	
28	3.1	5.3	7.1	11	12	16	14	162	58	6.7	3.8	2.2	
29	3.2	5.9	28	9.8	-----	14	44	429	255	6.5	3.1	47	
30	3.2	5.3	22	16	-----	13	372	32	42	6.7	6.2	7.1	
31	3.5	-----	12	19	-----	12	-----	22	-----	6.1	3.9	-----	
TOTAL	104.7	211.5	220.0	1,387.0	672.4	1,207.4	711.6	993.8	881.4	322.6	115.2	162.6	
MEAN	3.38	7.05	7.10	44.7	24.0	38.9	23.7	32.1	29.4	10.4	3.72	5.42	
MAX	8.9	29	28	617	104	486	372	429	255	25	6.2	47	
MIN	2.5	3.5	3.0	6.1	9.1	9.6	6.9	4.9	3.9	6.1	2.5	2.4	
CFSM	.23	.47	.47	2.98	1.60	2.60	1.58	2.14	1.96	.69	.25	.36	
IN.	.26	.52	.55	3.44	1.67	2.99	1.76	2.46	2.19	.80	.29	.40	
CAL YR 1962	TOTAL 6,279.5			MEAN 17.2		MAX 617		MIN 2.2		CFSM 1.28		IN 17.93	
WAT YR 1963	TOTAL 6,990.2			MEAN 19.2		MAX 617		MIN 2.2		CFSM 1.28		IN 17.93	



## 2-2205 5 Whitten Creek near Sparta, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.0	4.3	6.7	48	19	19	16	13	11	4.1	14	5.6
2	4.5	5.2	6.5	29	15	193	15	525	18	5.4	11	5.1
3	4.3	4.5	6.5	26	14	240	14	589	7.9	8.5	9.1	5.1
4	4.0	4.4	6.2	22	13	51	14	59	6.8	21	8.1	5.0
5	3.9	4.8	6.0	16	13	110	12	32	6.5	6.0	7.7	4.8
6	3.9	4.6	6.0	14	19	37	468	24	6.3	4.8	7.9	4.6
7	3.8	4.4	6.0	34	14	26	107	20	6.8	4.3	7.0	4.5
8	3.8	4.3	6.3	22	18	21	241	18	6.3	4.1	6.5	4.4
9	3.7	4.3	6.8	415	15	19	58	17	5.8	7.7	6.3	4.3
10	3.7	4.4	6.2	57	13	19	31	15	5.4	11	6.2	6.7
11	3.7	4.3	8.5	29	15	16	24	14	5.2	6.5	9.1	15
12	3.8	4.3	5.4	58	13	14	20	13	5.1	5.7	9.5	29
13	3.8	4.3	25	37	14	14	44	13	5.0	8.1	7.0	18
14	3.8	4.3	100	23	41	146	67	12	5.1	9.9	6.3	9.5
15	3.7	4.3	34	19	25	1,160	33	11	4.6	6.5	6.3	7.5
16	3.7	4.3	16	17	48	78	27	11	4.4	5.4	6.3	6.8
17	3.7	4.4	12	48	25	39	25	10	4.3	5.6	8.1	6.3
18	3.7	4.4	11	56	28	22	22	9.7	4.1	46	6.7	6.2
19	3.7	4.4	9.7	27	58	22	20	9.3	4.0	36	6.2	6.0
20	3.7	4.4	9.3	95	31	22	18	8.9	3.9	65	5.7	6.0
21	3.7	4.4	8.9	36	22	20	16	8.5	3.8	162	5.6	5.7
22	3.5	4.4	8.3	24	19	17	14	8.5	3.7	49	5.7	5.6
23	3.7	5.7	11	16	17	16	13	7.9	3.7	17	5.6	5.1
24	3.9	7.2	12	61	16	17	12	7.7	4.4	36	5.6	4.8
25	4.0	5.0	9.7	472	17	78	14	7.7	14	19	5.4	4.6
26	4.0	4.5	9.1	53	19	229	13	7.4	7.7	11	5.1	4.6
27	4.1	6.0	8.7	27	17	46	71	7.0	6.5	9.3	5.0	4.6
28	4.1	6.0	8.1	21	41	27	27	6.1	5.4	7.9	5.0	4.8
29	3.9	14	7.9	17	22	21	19	6.5	4.4	7.0	7.7	4.8
30	3.9	8.1	7.5	16	-----	17	15	7.0	4.1	37	10	9.1
31	4.0	-----	8.9	16	-----	16	-----	7.2	-----	30	6.7	-----
TOTAL	120.7	153.9	442.8	1,854	895	2,778	1,495	1,508.0	183.8	656.8	222.4	214.4
MEAN	3.89	5.33	14.3	59.8	30.9	89.6	44.8	48.6	6.13	22.2	7.17	7.14
MAX	5.0	14	100	472	282	1,160	468	589	18	162	14	29
MIN	3.5	4.3	6.0	14	13	14	12	6.5	3.7	4.1	5.0	4.3
CFSM	-26	-34	-95	3,999	2,06	5.97	3,32	3,24	-41	1,441	-48	-48
IN.	-30	-38	1.10	4,660	2,22	6.89	3.71	3.73	-46	1.63	-55	-53

CAL YR 1963: TOTAL 7,171.4 MEAN 19.6 MAX 617 MIN 3.4 CFSM 1.31 IN 17.78  
 WAT YR 1964: TOTAL 10,522.5 MEAN 28.8 MAX 1,160 MIN 3.5 CFSM 1.32 IN 26.08

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	6.1	8.0	17	12	18	25	11	5.5	5.1	6.6	3.0
2	7.0	6.1	8.0	16	13	23	22	10	5.5	5.0	5.8	5.9
3	6.7	6.2	8.2	16	12	21	21	9.7	5.4	5.1	5.4	5.7
4	38	6.4	28	14	12	19	26	9.2	5.3	5.3	4.8	3.9
5	367	6.6	21	14	12	18	23	9.0	5.4	4.8	4.5	3.5
6	44	6.6	16	14	12	18	22	8.6	5.2	4.7	4.3	3.4
7	16	6.6	12	13	30	17	20	8.2	5.2	5.2	4.1	3.2
8	11	6.7	11	12	21	19	17	8.1	5.4	5.4	4.2	3.1
9	9.0	6.7	10	12	17	16	18	8.0	6.2	4.8	5.4	3.1
10	8.0	6.4	9.9	12	19	16	17	8.2	6.4	4.7	13	5.4
11	7.0	6.4	9.7	12	16	15	17	9.3	24	4.5	7.6	5.0
12	6.7	6.4	11	11	30	80	17	8.1	22	6.6	4.9	3.7
13	6.2	6.4	11	44	41	16	16	7.7	9.3	5.6	4.6	3.5
14	6.2	6.4	9.7	11	76	26	14	7.5	7.4	5.0	4.5	3.4
15	13	6.4	8.8	11	46	22	14	7.3	62	5.2	4.0	3.2
16	20	6.4	8.6	11	28	19	16	7.2	27	5.6	3.7	3.2
17	11	6.4	9.2	11	124	76	14	7.1	11	5.4	3.6	3.5
18	8.2	6.6	9.9	10	128	333	13	6.9	9.0	5.0	3.3	4.6
19	7.2	6.4	8.6	10	37	40	14	6.8	7.5	4.8	3.2	3.4
20	6.7	12	11	10	27	44	14	6.6	6.7	4.6	3.2	3.1
21	6.6	8.0	12	10	23	28	14	7.1	6.3	4.5	3.1	3.1
22	6.6	6.9	10	10	21	24	13	6.8	6.0	4.2	3.0	3.6
23	6.4	6.9	9.9	12	20	67	12	6.6	5.8	3.9	2.8	3.4
24	6.4	9.4	9.7	31	21	164	13	6.5	5.5	5.2	2.7	3.1
25	6.2	30	266	18	33	77	13	6.5	5.4	4.2	6.9	3.4
26	5.9	13	1,180	15	22	96	12	6.3	5.4	3.9	7.6	3.1
27	5.9	9.7	151	14	20	86	34	6.1	5.6	3.8	3.7	3.1
28	6.1	9.2	46	13	19	36	30	6.0	5.6	8.0	3.6	3.0
29	6.2	8.6	29	13	-----	30	15	6.3	5.3	41	3.3	3.0
30	6.2	8.2	23	13	-----	26	12	5.8	5.2	13	3.1	3.9
31	6.1	-----	19	13	-----	27	-----	5.7	-----	7.2	3.0	-----
TOTAL	697.5	244.1	1,985.2	410	895	1,542	530	234.2	301.2	201.3	143.5	109.5
MEAN	22.5	8.14	64.0	13.2	32.0	49.7	17.7	7.55	10.0	6.49	4.63	3.65
MAX	367	30	1,180	31	128	333	34	11	62	41	13	5.9
MIN	5.9	6.1	8.0	10	12	15	12	5.7	5.2	3.8	2.7	3.0
CFSM	1.90	-54	4.27	-88	2.13	3.32	1.18	-5.0	-67	-33	-31	-27
IN.	1.73	-61	4.92	1.02	2.22	3.82	1.31	-58	-75	-50	-36	-27

CAL YR 1964: TOTAL 12,731.9 MEAN 34.8 MAX 1,180 MIN 3.7 CFSM 2.32 IN 31.27  
 WAT YR 1965: TOTAL 7,293.5 MEAN 20.0 MAX 1,180 MIN 2.7 CFSM 1.33 IN 18.08

Location --Lat 33°25', long 83°40', on left bank 350 ft upstream from bridge on State Highway 229, three-quarters of a mile upstream from Pittman Creek,  $1\frac{1}{2}$  miles downstream from confluence of Robinson and Sheppard Creeks, and 8 miles north of Monticello, Jasper County

Gage --Digital water-stage recorder Datum of gage is 498 21 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Apr 20, 1965, graphic water-stage recorder at same site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual minimum discharge, water years 1961-65					
Water year	Date	Discharge	Water year	Date	Discharge
1961	Dec 23, 1960, Jan 22, 1961	a 3.4	1964	Sept 30, 1964	6.1
1962	Sept 7, 1962	2.8	1965	Sept 28, 1965	5.5
1963	Dec 13, 1962	3.7			

a Result of freezeup

1952-65 Maximum discharge, 3,050 cfs June 23, 1963 (gage height, 9 12 ft), from rating curve extended above 1,100 cfs on basis of slope-area measurements at gage heights 7 78 and 9 12 ft, minimum, 0 68 cfs Sept 10, 1954

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

Revisions (water years) --WSP 1624 1952(M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.0	6.1	6.7	20	8.5	40	305	51	19	16	9.2	18
2	6.1	4.8	6.4	8.9	8.1	35	70	192	18	15	9.2	14
3	5.8	4.5	6.7	7.3	8.1	30	51	57	17	14	9.2	12
4	5.3	4.3	6.7	6.4	8.5	28	54	44	16	13	21	12
5	5.3	4.5	6.7	6.1	8.1	26	38	38	16	12	16	26
6	5.0	4.8	6.7	6.1	8.1	24	34	34	19	12	13	56
7	5.5	4.8	6.7	6.1	17	102	30	30	17	12	25	22
8	5.8	5.0	6.7	6.1	21	104	28	28	15	12	22	17
9	8.1	5.3	6.7	5.8	16	60	40	49	14	13	15	15
10	6.1	5.8	6.4	5.5	14	42	39	80	14	13	13	14
11	5.5	6.7	8.1	5.5	11	36	30	262	61	14	13	14
12	5.3	6.7	7.0	5.5	11	32	161	117	88	32	11	13
13	5.3	7.0	6.1	6.1	10	32	68	75	24	50	10	12
14	5.0	7.0	6.1	11	9.6	32	44	54	21	46	10	13
15	4.5	6.7	7.0	8.9	9.2	28	173	42	18	27	9.6	14
16	4.5	6.7	7.3	7.3	9.2	25	157	36	21	21	9.2	11
17	4.5	7.3	6.4	7.0	8.9	23	66	32	20	20	8.5	10
18	4.0	7.7	6.4	6.7	170	24	48	30	19	20	8.1	10
19	4.0	7.3	6.1	7.0	411	24	40	28	16	16	7.7	11
20	4.5	7.0	6.1	8.9	328	23	35	25	17	16	11	11
21	4.5	7.0	7.0	7.7	120	26	32	23	36	15	13	10
22	4.5	7.0	6.7	7.0	83	24	29	26	28	15	16	10
23	4.5	7.3	6.1	7.0	126	22	28	45	19	13	13	9.6
24	4.3	7.7	6.4	6.7	219	20	26	28	21	13	20	8.9
25	4.0	7.3	6.4	6.7	880	20	25	27	17	13	22	8.9
26	4.0	7.7	6.4	9.6	107	20	36	38	37	12	15	8.5
27	4.3	7.3	6.4	12	62	20	224	36	34	11	24	8.1
28	4.3	7.3	6.4	10	47	20	91	26	28	11	15	7.7
29	4.5	7.3	6.4	9.6	-----	20	52	24	21	11	12	7.3
30	4.3	6.7	7.7	9.2	-----	19	41	21	18	10	15	7.3
31	5.3	-----	8.9	8.9	-----	505	-----	20	-----	10	18	-----
TOTAL	155.6	192.6	207.8	246.6	2,739.3	1,486	2,095	1,618	729	528	433.7	411.3
MEAN	5.02	6.42	6.70	7.95	97.8	47.9	69.8	52.2	24.3	17.0	14.0	13.7
MAX	8.1	7.7	8.9	20	880	505	305	262	88	50	25	56
MIN	4.0	4.3	6.1	5.5	8.1	19	25	20	14	10	7.7	7.3
CFSM	.21	.27	.28	.33	4.08	2.00	2.91	2.17	1.01	.71	.58	.57
IN.	.24	.30	.32	.38	4.24	2.30	3.25	2.51	1.13	.82	.67	.64
CAL YR 1960:	TOTAL	9,104.2		MEAN 24.9		MAX 646		CFSM 1.04		IN 14-11		
MAY YR 1961:	TOTAL	10,842.9		MEAN 29.7		MAX 880		CFSM 1.24		IN 16.80		

## 2-2210 Murder Creek near Monticello, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	7.7	7.0	8.5	28	28	36	149	27	11	9.7	5.5	4.1	
2	7.3	7.0	8.1	23	27	39	69	24	18	9.3	5.2	3.7	
3	7.7	8.1	8.1	20	24	36	50	23	17	9.0	5.8	3.7	
4	8.1	8.5	8.1	18	23	34	43	22	13	10	8.2	3.4	
5	7.7	8.5	8.5	18	23	32	40	22	13	9.0	5.8	3.7	
6	7.3	8.9	10	239	21	29	55	21	13	9.7	6.1	3.0	
7	7.0	9.2	10	79	20	28	85	20	12	11	5.5	3.4	
8	7.3	8.9	8.9	49	19	28	68	19	11	10	7.3	4.8	
9	7.0	8.9	8.5	37	20	30	50	19	12	9.3	5.8	4.5	
10	7.0	8.9	10	32	18	32	42	20	14	7.6	5.0	4.1	
11	6.4	8.9	40	28	18	110	50	20	16	7.9	4.8	3.4	
12	6.4	9.2	100	27	18	198	272	18	15	8.2	4.5	3.4	
13	6.4	10	70	24	18	72	112	17	14	8.2	24	3.2	
14	6.7	11	54	23	17	50	66	16	13	7.3	43	3.0	
15	6.4	11	46	25	17	44	53	16	11	7.6	11	3.4	
16	6.4	11	40	23	21	36	45	15	10	7.3	8.6	6.6	
17	6.4	11	36	21	20	32	42	14	11	7.6	7.6	14	
18	6.1	10	50	41	18	31	39	14	10	11	7.0	7.3	
19	6.1	9.6	56	100	20	30	36	13	9.7	7.6	6.4	5.2	
20	5.8	9.6	35	61	18	30	34	13	9.7	8.6	5.8	4.8	
21	6.7	9.6	30	43	36	41	32	12	10	9.0	5.8	4.3	
22	7.0	9.6	25	36	534	32	31	11	9.0	7.3	7.6	4.1	
23	6.7	17	21	40	159	30	30	11	9.0	6.4	7.2	4.5	
24	6.4	12	20	38	110	28	29	11	9.0	5.8	9.4	4.3	
25	6.7	9.2	18	34	67	45	31	11	8.2	8.6	6.7	4.5	
26	6.1	8.9	17	31	53	87	36	10	9.0	9.3	6.1	12	
27	5.8	4.9	16	30	45	48	30	10	22	6.7	5.8	11	
28	6.1	8.5	17	72	41	40	35	9.7	27	6.1	5.2	6.4	
29	6.4	8.5	16	51	-----	36	42	10	13	7.3	4.8	5.5	
30	6.4	8.5	16	37	-----	32	31	10	11	7.3	4.3	5.2	
31	7.0	-----	15	32	-----	158	-----	14	-----	6.4	4.1	-----	
TOTAL	208.5	285.9	826.7	1,340	1,453	1,534	1,737	492.7	380.6	256.1	249.9	154.5	
MEAN	6.73	9.53	26.7	43.2	51.9	49.5	57.9	15.9	12.7	8.26	8.06	5.15	
MAX	8.1	17	100	239	534	198	272	27	27	11	43	14	
MIN	5.8	7.0	8.1	18	17	28	29	9.7	8.2	5.8	4.1	3.0	
CFSM	.28	.40	1.11	1.80	2.16	2.06	2.41	.66	.53	.34	.34	.21	
IN.	.32	.44	1.28	2.08	2.25	2.38	2.69	.76	.59	.40	.39	.24	
CAL YR 1961	TOTAL	11,608.0		MEAN	31.8	MAX	880	MIN	5.5	CFSM	1.33	IN	17.99
WAT YR 1962	TOTAL	8,918.9		MEAN	24.4	MAX	534	MIN	3.0	CFSM	1.02	IN	13.82

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

CAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	5.2	5.8	9.3	12	32	24	24	84	21	78	19	9.0	
2	8.2	5.5	9.3	12	31	24	24	46	19	62	18	7.9	
3	35	5.8	9.0	14	63	22	22	34	16	42	17	7.9	
4	23	5.8	9.0	12	42	22	22	29	15	35	16	8.2	
5	10	5.8	9.0	11	35	28	22	25	14	29	16	10	
6	8.6	5.8	8.6	11	31	134	24	23	14	26	15	9.0	
7	7.3	6.4	8.2	11	29	58	32	21	12	35	14	9.0	
8	9.0	6.7	8.6	10	26	42	24	19	12	33	14	8.6	
9	8.2	9.0	8.6	10	24	36	22	18	11	27	14	7.9	
10	7.0	7.9	8.6	10	23	33	22	17	10	22	13	7.6	
11	6.4	9.0	9.0	18	42	31	21	16	10	21	12	7.3	
12	6.4	12	8.2	89	45	122	20	15	10	19	12	7.3	
13	6.1	10	8.2	30	33	1,000	19	16	9.7	18	12	6.7	
14	5.8	7.6	9.3	22	29	113	18	26	9.3	19	12	7.9	
15	5.8	7.3	9.3	19	26	67	17	20	8.6	20	11	14	
16	5.8	7.3	10	17	25	52	17	16	12	22	10	12	
17	5.8	7.3	10	16	24	51	16	15	28	23	10	9.7	
18	5.8	11	9.7	228	23	46	16	14	138	21	10	9.3	
19	5.5	9.7	9.7	127	67	40	16	13	62	19	10	9.3	
20	5.5	12	9.7	444	42	40	16	14	49	18	12	8.6	
21	5.8	94	9.7	239	35	33	16	16	30	28	17	7.9	
22	7.0	49	12	69	30	32	16	14	350	18	12	7.6	
23	5.9	19	10	50	28	31	14	12	1,300	17	10	7.6	
24	5.5	16	10	38	32	30	13	12	400	21	10	7.3	
25	5.2	12	21	32	29	30	14	12	90	43	9.3	7.0	
26	5.2	11	16	30	26	39	14	13	80	40	9.3	6.7	
27	5.2	11	12	34	24	33	13	54	274	32	9.7	6.4	
28	5.5	10	12	27	24	29	20	281	120	24	11	40	
29	5.5	11	16	26	-----	28	57	86	150	22	10	7.3	
30	5.8	10	16	32	-----	26	490	41	130	22	10	14	
31	5.8	-----	14	36	-----	25	-----	26	-----	22	9.3	-----	
TOTAL	242.8	598.7	330.0	1,736	920	2,321	1,081	1,048	3,404.6	878	384.6	313.7	
MEAN	7.83	13.3	10.6	56.0	32.9	74.9	36.0	33.8	113	28.3	12.4	10.5	
MAX	94	94	21	444	67	1,000	490	281	1,300	78	19	40	
MIN	5.2	5.5	8.2	10	23	22	13	12	8.6	17	9.3	6.4	
CFSM	.33	.55	.44	2.33	1.37	3.12	1.50	1.41	4.73	1.18	.52	.44	
IN.	.38	.62	.51	2.69	1.43	3.60	1.68	1.62	5.28	1.36	.60	.49	
CAL YR 1962	TOTAL	8,569.3		MEAN	23.5	MAX	534	MIN	3.0	CFSM	.98	IN	13.28
WAT YR 1963	TOTAL	13,098.4		MEAN	35.8	MAX	1,300	MIN	5.2	CFSM	1.49	IN	20.24

Note --No gage-height record June 21 to July 8

## 2-2210 Murder Creek near Monticello, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11	8.2	16	30	39	36	40	45	22	14	16	9.7
2	10	10	14	24	33	191	38	330	20	16	14	9.0
3	10	9.7	14	28	32	191	37	1,090	19	15	13	9.0
4	9.7	9.7	13	41	30	87	37	131	18	15	12	8.6
5	9.7	12	12	44	34	171	36	76	18	14	18	8.6
6	9.0	55	12	46	65	76	513	60	19	13	14	8.2
7	9.0	13	12	70	42	58	265	52	26	12	12	7.9
8	9.0	10	12	51	42	50	140	46	19	12	11	7.9
9	8.6	9.7	12	271	36	45	88	42	18	14	11	7.9
10	8.6	9.7	12	92	33	49	67	39	16	14	18	10
11	8.2	9.3	25	54	34	41	57	36	16	15	19	14
12	8.2	9.0	130	66	30	38	52	36	18	22	14	22
13	8.2	8.6	52	53	33	36	69	35	28	18	12	14
14	8.2	8.6	135	41	55	125	72	32	26	16	12	11
15	8.2	8.6	60	36	54	791	55	31	19	15	12	10
16	8.2	9.0	35	32	97	141	49	29	16	14	14	9.7
17	8.2	9.0	27	66	54	80	45	29	16	13	13	9.3
18	7.9	9.0	23	70	268	61	42	27	15	44	12	9.3
19	7.6	9.0	20	48	107	54	41	26	14	37	11	9.0
20	7.6	9.0	19	129	64	53	38	25	14	22	10	10
21	7.6	9.0	18	65	50	49	36	24	14	32	10	9.3
22	7.3	9.3	17	47	44	43	35	24	18	25	17	8.6
23	7.6	12	21	41	40	42	34	22	25	25	20	7.9
24	7.9	15	20	127	36	42	32	22	16	45	14	7.6
25	8.2	12	18	468	40	100	41	22	58	23	12	7.3
26	7.9	11	16	104	38	122	40	22	38	19	11	7.0
27	7.9	11	16	65	38	68	376	22	23	16	10	6.7
28	8.2	13	16	50	46	55	127	20	19	16	10	6.7
29	7.3	52	15	42	38	48	70	20	16	14	11	6.7
30	7.3	21	14	238	-----	42	52	22	14	14	12	7.3
31	7.6	-----	16	38	-----	42	-----	22	-----	16	11	-----
TOTAL	259.9	401.4	842	2,377	1,552	3,027	2,624	2,459	618	600	406	280.2
MEAN	8.38	13.4	27.2	76.7	53.5	97.6	87.5	79.3	20.6	19.4	13.1	9.34
MAX	11	55	135	468	268	791	513	1,090	58	45	20	22
MIN	7.3	8.2	12	24	30	36	32	20	14	12	10	6.7
CFSM	.35	.56	1.13	3.19	2.23	4.07	3.64	3.31	.86	.81	.55	.39
IN.	.40	.62	1.30	3.68	2.40	4.69	4.07	3.81	.96	.93	.63	.43

CAL YR 1963 TOTAL 13,590.2 MEAN 37.2 MAX 1,300 MIN 6.7 CFSM 1.55 IN 21.96  
 WAT YR 1964 TOTAL 13,446.5 MEAN 42.2 MAX 1,090 MIN 6.7 CFSM 1.72 IN 21.96

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	14	18	32	21	33	37	29	13	12	10	6.5
2	11	14	18	29	27	42	35	27	12	11	9.4	22
3	11	14	18	31	22	36	35	25	12	11	8.6	18
4	20	14	24	27	21	36	76	23	12	15	8.3	11
5	407	14	27	26	20	33	64	22	12	11	7.4	9.2
6	60	15	26	25	22	32	52	22	12	12	7.5	9.0
7	30	16	22	24	59	31	44	21	26	12	12	8.3
8	22	16	21	23	42	31	41	20	25	14	26	7.5
9	19	15	21	22	35	29	37	19	17	12	20	7.5
10	16	21	19	24	35	28	34	20	15	11	12	8.4
11	16	17	19	22	31	27	32	19	38	11	10	9.2
12	15	15	27	21	58	52	38	23	34	13	9.3	8.2
13	14	14	25	21	64	46	35	18	22	10	9.3	8.3
14	14	14	21	21	69	38	30	17	20	11	9.8	7.7
15	18	14	20	21	59	35	30	17	57	11	8.0	7.6
16	36	14	19	24	46	32	37	16	42	11	7.6	7.5
17	26	14	19	21	95	59	29	16	27	9.3	7.3	7.3
18	19	14	20	21	125	150	26	15	23	8.4	12	7.2
19	16	15	18	20	62	57	27	15	19	7.9	7.6	7.1
20	16	23	28	20	48	48	25	14	17	7.7	7.6	6.9
21	14	16	27	19	42	38	23	15	16	7.7	7.4	6.3
22	15	14	24	19	36	36	24	23	15	7.2	7.0	6.3
23	14	14	23	23	34	59	22	15	14	6.7	6.7	8.0
24	14	19	22	56	37	105	20	14	14	6.6	6.6	8.2
25	14	45	154	33	66	62	21	31	14	6.5	6.8	8.1
26	14	26	326	29	42	76	42	25	14	6.1	9.1	6.7
27	14	21	280	26	37	84	153	17	14	6.2	9.0	6.3
28	14	21	72	24	35	55	45	19	14	29	7.3	6.0
29	14	21	49	23	-----	49	35	26	14	56	6.8	6.4
30	14	18	41	23	-----	45	32	15	13	14	6.4	8.1
31	14	-----	35	22	-----	41	-----	14	-----	12	6.3	-----
TOTAL	953	522	1,483	772	1,290	1,525	1,181	612	597	379.3	289.1	254.8
MEAN	30.7	17.4	47.8	24.9	46.1	49.2	39.4	19.7	19.9	12.2	9.33	8.49
MAX	407	45	326	56	125	150	153	31	57	56	26	22
MIN	11	14	18	19	20	27	20	14	12	6.1	6.3	6.0
CFSM	1.28	.73	1.99	1.04	1.92	2.05	1.64	.82	.83	.51	.39	.35
IN.	1.48	.81	2.30	1.20	2.00	2.36	1.83	.95	.93	.59	.45	.39

CAL YR 1964 TOTAL 16,901.2 MEAN 46.2 MAX 1,090 MIN 6.7 CFSM 1.92 IN 26.19  
 WAT YR 1965 TOTAL 9,898.2 MEAN 27.0 MAX 407 MIN 6.0 CFSM 1.13 IN 15.20

## 2-2225 Sinclair Reservoir near Milledgeville, Ga

Location --Lat 33°10', long 83°14', on Oconee River, 1½ miles upstream from Georgia Railroad bridge, 4 miles north of Milledgeville, Baldwin County

Drainage area --2,900 sq mi

Records available --October 1952 to September 1965

Gage --Datum of gage is at mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia Power Co.)

Remarks --Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 0 ft) is equipped with 24 gates 30 ft wide by 21 ft high. Storage began in 1952, water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340 0 ft (top of gates) is 334,000 acre-ft, of which 214,600 acre-ft is usable storage. Reservoir is used for power development.

Cooperation --Capacity curve and month-end elevations furnished by Georgia Power Co

## MONTH-END ELEVATION AND CONTENTS, WATER YEARS OCTOBER 1960 TO SEPTEMBER 1965

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31, 1960	335 8	275,400	-9,600	Oct 31, 1963	335 2	265,600	-44,400
Nov 30	334 6	258,200	-15,200	Nov 30	334 2	253,400	-12,200
Dec 31	331 9	225,800	-32,400	Dec 31	331 7	223,400	-30,000
Calendar year 1960	-	-7,200	-	Calendar year 1963	-	-	-18,000
Jan 31, 1961	334 0	251,000	+25,200	Jan 31, 1964	339 0	319,000	+95,600
Feb 28	339 9	332,500	+81,500	Feb 29	337 1	291,400	-27,600
Mar 31	339 1	320,500	-12,000	Mar 31	339 3	323,500	+32,100
Apr 30	339 1	320,500	0	Apr 30	339 4	325,000	+1,500
May 31	339 4	325,000	+4,500	May 31	338 7	314,500	-10,500
June 30	338 6	313,000	-12,000	June 30	339 1	320,500	+6,000
July 31	338 1	320,500	+7,500	July 31	338 7	314,500	-6,000
Aug 31	338 1	308,800	-15,000	Aug 31	337 2	292,800	-21,700
Sept 30	336 4	281,600	-23,900	Sept 30	337 1	291,400	-1,400
Water year 1961	-	-	-1,400	Water year 1964	-	-	-18,600
Oct 31	335 9	274,700	-6,900	Oct 31	335 9	274,700	-16,700
Nov 30	334 5	257,000	-17,700	Nov 30	334 7	259,400	-15,300
Dec 31	334 6	258,200	+1,200	Dec 31	339 1	320,500	+61,100
Calendar year 1961	-	-	+32,400	Calendar year 1964	-	-	+97,100
Jan 31, 1962	334 8	260,600	+2,400	Jan 31, 1965	333 8	248,600	-71,900
Feb 28	339 3	323,500	+62,900	Feb 28	336 7	285,800	+37,200
Mar 31	338 0	304,000	-19,500	Mar 31	338 6	313,000	+27,200
Apr 30	338 6	313,000	+9,000	Apr 30	338 9	317,500	+4,500
May 31	338 9	317,500	+4,500	May 31	338 9	317,500	0
June 30	338 5	311,500	-6,000	June 30	338 8	316,000	-1,500
July 31	338 6	313,000	+1,500	July 31	339 1	320,500	+4,500
Aug 31	338 3	308,500	-4,500	Aug 31	338 5	311,500	-9,000
Sept 30	337 8	301,200	-7,300	Sept 30	337 2	292,800	-18,700
Water year 1962	-	-	+19,600	Water year 1965	-	-	+1,400
Oct 31	335 8	273,400	-27,800				
Nov 30	333 6	246,200	-27,200				
Dec 31	333 2	241,400	-4,800				
Calendar year 1962	-	-	-16,800				
Jan 31, 1963	335 1	264,300	+22,900				
Feb 28	335 5	289,500	+5,200				
Mar 31	338 0	304,000	+34,500				
Apr 30	337 8	301,200	-2,800				
May 31	338 5	311,500	+10,300				
June 30	339 2	322,000	+10,500				
July 31	338 6	313,000	-9,000				
Aug 31	338 5	311,500	-1,500				
Sept 30	338 4	310,000	-1,500				
Water year 1963	-	-	+8,800				

\* Elevation at 0700 on the day following that shown in date column

## 2-2230 Oconee River at Milledgeville, Ga

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

Drainage area --2,950 sq mi, approximately

Records available --August 1903 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Water-stage recorder Datum of gage is 230.84 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to May 23, 1906, Jan. 1 to Oct. 5, 1903, and Jan. 1, 1932, to Sept. 30, 1939, chain or wire-weight gages at site 900 ft downstream at present datum May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, staff gages at Fraleys Ferry, 7 miles upstream at different datum

Average discharge --62 years, 3,374 cfs (adjusted for storage)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 25, 1961	122,000	42.9	Aug 20, 1961	290	-
1962	Mar 21, 1962	33,400	27.1	June 24, 1962	228	-
1963	Jan 21, 1963	43,500	29.9	Dec 16, 1962	190	-
1964	May 5, 1964	57,400	33.0	Nov 10, 1963	100	-
1965	Dec 26, 1964	49,900	31.4	Nov 8, 1964	234	-

1903-65 Maximum discharge, 122,000 cfs Feb 25, 1961 (gage height, 42.9 ft), from rating curve extended above 77,000 cfs, minimum daily, 90 cfs for several days in August and September 1925 and on Apr. 3, 1955

Maximum stage known, 46.7 ft in 1886, at site 900 ft downstream at present datum, from information by Georgia State Highway Department

Remarks --Records good above 1,500 cfs and fair below Flow regulated by Sinclair Reservoir (see station 2-2225)

Revisions (water years) --WSP 1142 1928(M) WSP 1504 1903-4, 1908, 1912-13, 1914(M), 1915-17 WSP 1554 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,090	1,160	1,250	552	1,460	20,500	29,400	6,560	1,040	438	1,700	3,460
2	765	1,920	1,020	606	2,710	14,900	18,800	7,790	2,540	393	918	3,370
3	745	1,680	492	1,470	956	7,660	15,400	7,160	785	1,150	585	513
4	2,560	2,200	412	865	822	7,160	8,980	6,980	371	454	528	414
5	2,540	585	694	1,610	462	6,680	7,160	6,440	2,500	2,900	678	1,880
6	1,940	400	1,540	1,870	2,100	6,680	7,020	3,820	3,550	2,650	1,100	1,160
7	1,940	1,760	1,950	512	2,350	8,790	6,690	1,240	3,030	2,460	6,980	1,080
8	1,440	2,780	2,290	388	2,220	15,200	6,370	3,940	2,330	1,120	3,300	1,070
9	424	1,780	2,400	2,060	527	8,570	4,520	5,530	1,850	376	3,870	1,070
10	1,490	1,380	928	1,270	708	7,530	6,310	3,700	720	1,050	2,870	360
11	1,260	768	380	902	462	7,030	4,420	7,790	352	1,500	1,260	1,730
12	1,440	698	2,740	445	400	6,840	9,400	8,440	3,370	2,980	1,380	2,000
13	2,200	436	1,540	365	392	6,630	12,400	8,050	3,470	3,350	419	1,740
14	2,340	568	2,780	521	333	6,560	12,200	7,040	2,410	3,540	508	840
15	918	638	2,140	386	372	6,560	20,100	6,860	2,540	3,520	945	354
16	422	672	2,340	1,180	352	6,500	16,600	6,410	2,670	480	880	464
17	1,640	755	508	1,030	364	6,480	14,200	4,110	425	3,370	664	334
18	1,460	1,080	400	694	368	6,480	7,280	1,280	312	3,800	346	2,870
19	1,510	465	1,810	1,460	4,250	5,780	7,130	2,750	571	4,000	350	942
20	970	408	1,540	1,860	13,200	4,260	6,740	705	3,350	3,880	290	3,040
21	1,600	745	1,890	671	20,400	4,150	6,510	1,390	6,460	2,580	1,000	3,470
22	690	916	1,740	441	14,200	3,280	4,780	3,140	6,150	1,020	938	3,530
23	405	1,050	1,510	902	18,400	1,120	3,000	4,110	4,440	409	1,070	1,720
24	1,020	1,240	515	1,150	30,500	2,040	3,410	4,150	660	1,740	4,080	364
25	1,270	970	505	1,310	81,500	1,010	5,130	3,700	1,470	1,860	6,560	2,480
26	698	908	530	1,730	40,700	430	4,310	3,940	3,820	1,950	3,680	664
27	1,040	375	1,690	2,800	32,100	2,610	5,000	3,500	6,060	2,010	6,160	926
28	648	885	2,070	566	25,000	4,100	13,700	1,080	3,300	1,000	6,020	386
29	708	1,310	1,620	398	-----	2,710	7,400	369	2,300	648	3,000	306
30	398	1,100	1,680	1,130	-----	1,700	6,440	1,740	1,860	388	3,240	322
31	765	-----	1,260	1,090	-----	10,700	-----	1,230	-----	1,320	3,340	-----
TOTAL	38,936	31,632	44,164	32,234	297,588	200,640	280,800	132,964	74,706	58,336	66,659	44,879
MEAN	1,256	1,054	1,425	1,040	10,630	6,472	9,360	4,289	2,440	1,882	2,150	1,496
MAX	2,560	2,760	2,780	2,800	81,500	20,500	29,400	8,440	6,460	4,000	6,560	3,530
MIN	398	375	180	165	333	30	1,000	369	312	376	290	306
(1)	-156	-255	-527	+410	+1,468	-195	0	+73	-202	+122	-244	-402
CAL YR 1960	TOTAL 1,221,730	MEAN 3,338	MAX 27,300	MIN 298	MEAN 3,328	CFSM* 1 13	IN* 15 38					
WAT YR 1961	TOTAL 1,303,538	MEAN 3,571	MAX 81,500	MIN 290	MEAN 3,569	CFSM* 1 21	IN* 16 42					

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
# Adjusted for change in contents

## 2-2230 Oconee River at Milledgeville, Ga --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	325	464	2,740	4,320	6,570	7,910	8,300	4,320	2,710	248	472	466
2	276	1,830	496	4,610	6,550	7,630	7,490	4,190	635	1,020	755	395
3	304	1,530	330	4,340	3,250	7,540	8,880	2,180	337	829	414	409
4	502	569	1,880	4,330	684	7,150	9,000	2,470	1,510	540	334	3,010
5	357	354	2,910	4,400	4,030	6,860	8,400	390	2,130	914	389	620
6	318	1,130	2,420	9,980	4,400	6,750	8,280	276	2,160	1,870	1,570	560
7	410	1,540	1,050	8,060	4,460	5,540	11,000	2,120	2,170	1,030	534	416
8	287	1,430	1,990	7,460	2,760	4,560	9,140	2,350	1,760	402	395	395
9	792	1,480	508	7,420	2,720	4,410	9,000	1,890	1,740	1,910	760	396
10	852	614	1,170	7,360	2,270	4,830	9,980	2,080	296	1,830	363	1,120
11	714	478	3,540	7,330	799	10,800	10,100	1,480	1,690	1,630	411	1,550
12	1,460	346	5,430	7,180	2,540	30,400	21,700	318	2,090	2,130	436	506
13	1,600	848	7,200	6,680	2,440	13,500	19,900	270	2,040	1,700	476	442
14	498	1,380	7,130	6,600	2,380	14,100	15,200	2,060	3,420	1,210	2,120	428
15	265	1,860	8,220	6,690	2,990	14,000	10,500	1,770	2,760	278	741	430
16	1,100	4,220	7,340	6,680	2,030	7,440	7,530	2,350	1,380	948	2,040	421
17	1,340	2,560	7,290	6,680	692	7,240	7,460	1,880	325	1,480	2,180	2,540
18	1,350	986	8,520	6,720	402	6,860	7,360	2,610	2,540	1,650	1,060	1,790
19	1,920	310	7,460	7,410	3,120	6,830	6,820	640	1,570	370	396	818
20	1,540	1,930	10,700	7,130	2,310	6,700	6,680	327	1,480	302	2,170	930
21	465	1,990	7,840	6,780	4,500	6,880	5,360	2,870	1,870	264	710	1,070
22	330	1,520	7,260	6,630	15,900	6,740	1,370	1,840	1,600	298	1,200	564
23	614	594	7,250	6,670	24,000	6,650	3,870	1,150	294	2,370	1,010	496
24	562	1,970	6,890	6,490	25,500	4,370	2,420	750	228	2,540	498	1,480
25	497	770	6,460	6,370	20,700	4,630	2,030	1,820	1,500	722	398	2,600
26	370	374	6,640	4,250	12,900	6,670	2,400	522	1,590	280	318	3,030
27	724	2,510	6,610	1,270	7,440	4,440	2,940	308	932	397	1,280	568
28	382	2,120	6,640	1,140	9,620	5,390	4,430	1,680	368	270	2,080	1,080
29	377	1,710	5,500	4,590	-----	4,960	4,420	1,320	875	270	2,030	585
30	662	2,240	4,450	6,750	-----	4,370	4,340	1,570	290	1,300	475	-----
31	784	-----	2,100	6,660	-----	4,420	-----	1,320	-----	340	854	-----
TOTAL	21,977	39,647	155,564	186,980	177,957	241,070	236,260	51,121	44,290	30,307	29,694	29,590
MEAN	709	1,322	5,018	6,032	6,356	7,776	7,875	1,649	1,476	978	958	936
MAX	1,920	2,540	10,700	9,980	25,500	30,900	21,700	4,320	2,540	2,180	2,540	3,030
MIN	265	310	330	1,140	402	4,370	1,370	270	228	248	318	395
(+)	-112	-297	+20	+39	+1,133	-317	+151	+73	-101	+24	-73	-123
CAL YR 1961	TOTAL 1,405,994	MEAN 3,852	MAX 81,500	MIN 265	MEAN 3,897	CF5M# 1 32	IN# 17 92					
MAT YR 1962	TOTAL 1,244,457	MEAN 3,409	MAX 30,900	MIN 228	MEAN 3,436	CF5M# 1 16	IN# 15 75					

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

‡ Adjusted for change in contents

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	712	2,280	591	589	6,560	1,930	3,700	24,200	6,820	23,000	2,910	302
2	1,980	2,540	340	3,730	6,560	1,240	3,690	16,800	746	16,100	2,460	257
3	3,290	454	2,580	3,730	6,750	316	3,350	17,100	426	10,900	420	2,810
4	4,420	405	2,310	3,740	4,400	2,050	3,380	17,300	1,670	6,980	294	2,630
5	3,710	1,790	2,180	1,020	4,380	3,120	3,290	14,400	816	6,780	1,220	2,630
6	710	401	2,110	362	4,260	3,480	2,280	7,450	1,790	3,730	2,680	1,210
7	430	1,660	1,980	3,570	4,340	3,470	3,410	6,870	1,510	2,470	2,360	352
8	2,770	1,600	444	3,920	4,290	3,120	3,400	1,810	860	4,240	564	290
9	3,290	1,990	435	1,320	705	3,460	3,160	1,770	414	4,410	692	323
10	1,910	428	2,090	660	312	3,460	2,240	526	3,130	2,600	947	284
11	1,190	366	1,910	256	3,960	3,460	2,160	452	3,560	522	318	204
12	1,820	601	2,010	298	7,440	6,560	2,100	354	864	1,870	2,470	219
13	572	1,990	1,330	336	6,900	29,200	1,990	362	1,760	913	938	210
14	476	640	318	3,720	6,620	27,200	504	4,910	1,048	324	1,250	274
15	2,170	1,080	275	4,150	6,510	11,900	1,100	4,280	368	3,960	308	220
16	2,610	899	190	4,060	1,860	13,400	1,400	2,310	409	3,190	301	504
17	1,690	342	904	4,140	420	13,200	1,300	2,460	2,050	1,700	298	568
18	389	400	1,880	4,870	3,190	5,300	582	1,140	4,330	4,570	249	2,170
19	391	2,110	1,300	6,890	5,050	3,890	1,070	346	7,050	4,630	266	2,520
20	655	3,020	1,210	18,000	7,260	6,000	310	1,930	7,420	2,260	823	882
21	408	4,130	2,820	38,400	7,150	4,980	1,610	1,500	8,810	612	1,370	430
22	362	6,740	516	22,400	7,070	3,950	602	450	12,200	3,650	1,530	230
23	558	6,500	254	14,700	4,160	3,800	1,020	504	9,350	2,380	1,290	318
24	2,110	6,440	882	11,800	4,150	3,780	1,710	2,440	5,990	2,300	287	432
25	1,640	2,240	347	7,420	1,880	3,720	700	506	7,840	2,920	324	414
26	1,250	4,110	3,490	7,110	2,160	3,780	354	322	8,340	4,240	2,220	631
27	398	4,840	4,070	6,640	2,180	3,710	290	4,070	24,300	607	574	540
28	324	3,440	4,160	6,820	2,150	3,750	900	17,100	20,800	667	1,630	1,930
29	521	2,380	4,450	6,520	-----	3,720	6,800	30,900	33,600	4,300	1,920	7,080
30	1,240	2,370	776	6,540	-----	3,720	20,800	11,700	32,400	4,320	2,540	3,600
31	1,790	-----	3,510	6,660	-----	3,680	-----	7,380	-----	4,140	653	-----
TOTAL	45,786	67,786	51,462	204,371	122,667	188,346	79,202	203,642	214,263	135,285	36,106	34,464
MEAN	1,477	2,260	1,660	6,593	4,381	6,076	2,640	6,569	7,142	4,364	1,165	1,149
MAX	4,420	6,740	4,450	38,400	7,440	29,200	20,800	30,900	33,400	23,000	2,910	7,080
MIN	324	342	190	256	312	316	290	322	368	324	249	204
(+)	-452	-457	-78	+372	+94	+561	-47	+168	+176	-146	-24	-25
CAL YR 1962	TOTAL 1,192,303	MEAN 3,267	MAX 30,900	MIN 190	MEAN 3,244	CF5M# 1 10	IN# 14 93					
MAT YR 1963	TOTAL 1,383,380	MEAN 3,790	MAX 38,400	MIN 190	MEAN 3,802	CF5M# 1 29	IN# 17 51					

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

‡ Adjusted for change in contents

2-2230 ,Oconee River at Milledgeville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,400	1,780	1,680	1,350	7,600	6,710	7,580	16,000	3,470	2,500	2,060	1,180
2	3,990	230	3,500	4,260	6,970	7,360	7,500	17,100	3,420	2,900	250	962
3	3,020	120	4,110	4,460	6,960	14,900	7,010	51,400	3,640	350	3,150	348
4	3,290	120	3,720	4,340	6,850	17,300	6,960	40,200	3,850	250	2,200	848
5	720	1,570	4,060	688	6,860	17,500	6,980	37,900	3,880	1,900	3,620	278
6	660	1,990	4,120	3,980	6,940	17,100	14,700	27,100	450	4,000	1,790	245
7	2,380	1,770	1,630	4,540	5,090	10,500	38,000	15,900	300	2,900	250	282
8	3,440	1,520	271	6,720	8,460	7,340	40,300	7,870	3,420	2,000	300	455
9	4,000	170	3,160	9,140	6,780	7,240	25,300	7,320	3,060	1,800	270	4,010
10	3,690	100	2,250	8,040	6,460	7,270	23,000	7,220	2,200	2,900	2,000	6,130
11	1,800	1,620	3,260	8,160	5,710	6,980	20,200	7,030	2,580	250	4,370	802
12	730	1,840	4,060	8,160	5,600	6,680	16,600	6,690	1,760	2,100	2,560	245
13	320	1,950	6,600	7,740	5,570	6,660	10,800	4,380	990	3,800	3,960	195
14	1,800	1,900	7,080	7,480	5,080	6,580	9,450	4,300	300	2,600	942	178
15	2,100	1,830	7,000	7,400	2,540	25,700	7,600	4,100	270	3,300	262	1,530
16	2,000	199	6,820	6,950	3,290	47,200	7,510	644	350	3,700	346	1,510
17	1,900	148	6,740	7,000	4,400	25,000	7,460	278	250	2,100	3,890	1,550
18	1,400	506	6,730	7,320	12,100	11,900	7,390	3,940	1,700	4,600	3,770	1,740
19	160	1,470	6,620	6,980	17,300	14,900	6,980	4,250	2,000	9,300	384	455
20	130	1,830	5,080	7,280	9,840	11,300	6,950	4,230	1,100	12,000	1,100	378
21	480	1,050	4,350	7,080	10,400	7,600	6,790	4,120	2,000	13,100	472	1,360
22	1,450	1,630	2,380	6,990	7,350	7,350	4,570	4,230	1,900	11,300	270	2,230
23	908	288	3,870	6,860	7,300	7,080	4,400	639	400	10,600	250	2,600
24	1,180	1,65	4,190	6,980	6,810	7,040	4,490	310	250	8,220	3,090	508
25	1,730	1,610	2,420	15,000	6,820	8,540	3,090	3,920	3,900	9,060	1,780	255
26	304	1,990	3,620	25,200	6,780	21,400	1,170	3,900	3,900	6,510	3,700	315
27	132	3,170	4,030	14,600	6,740	21,100	6,080	3,600	2,800	4,520	6,440	272
28	980	2,220	1,200	10,500	7,000	23,300	15,800	3,120	400	3,460	6,030	3,100
29	1,090	4,340	308	15,000	6,800	18,400	16,500	592	1,500	2,460	505	2,180
30	1,130	4,240	4,040	10,800	-----	17,100	12,200	378	2,400	3,110	245	675
31	276	-----	4,640	9,280	-----	12,600	-----	266	-----	3,090	2,190	-----
TOTAL	51,590	43,406	123,539	250,278	206,440	427,610	353,360	287,927	58,440	140,680	62,446	37,016
MEAN	1,665	1,400	3,890	7,900	6,650	13,470	11,400	9,288	1,854	4,538	2,014	1,160
MAX	4,400	4,340	7,080	25,200	17,300	47,200	40,300	51,400	3,900	13,100	6,400	6,130
MIN	100	100	271	688	2,540	6,580	1,170	266	250	250	245	178
(+)	-722	-205	-488	+1,555	-480	+522	+25	-171	+101	-98	-353	-24
CAL YR 1963	TOTAL 1,436,881	MEAN 3,937	MAX 35,400	MIN 100	MEAN* 3,912	CFSM* 1 33	IN* 18 05					
CAL YR 1964	TOTAL 2,042,692	MEAN 5,591	MAX 51,400	MIN 100	MEAN* 5,555	CFSM* 1 88	IN* 25 59					

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
+ Adjusted for change in contents

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,830	358	3,860	7,660	3,800	4,540	7,620	4,740	370	1,880	684	511
2	4,440	2,370	3,890	7,600	3,900	6,940	7,500	2,540	304	1,640	2,460	346
3	2,770	3,390	3,900	7,210	3,810	6,880	7,180	2,450	2,440	731	1,350	1,640
4	4,410	3,270	3,680	7,120	3,660	4,790	7,300	2,390	1,770	585	976	335
5	15,800	2,980	2,180	7,050	3,840	4,760	7,160	2,380	362	624	350	346
6	24,000	418	1,970	7,040	1,060	4,720	6,980	2,120	322	1,440	3,110	306
7	19,000	320	4,160	7,050	3,950	948	4,930	2,160	304	1,640	4,488	3,470
8	8,110	234	4,120	7,000	4,480	4,140	7,020	2,853	5,470	2,490	472	2,260
9	6,940	3,240	4,320	6,940	4,450	4,670	6,840	266	2,580	2,100	3,730	2,640
10	5,600	3,360	4,480	6,840	6,780	4,570	4,760	2,530	2,240	7,300	1,430	3,640
11	860	2,060	4,510	6,880	6,840	3,510	864	1,800	4,400	548	1,980	3,040
12	4,210	2,390	1,780	6,820	6,440	4,530	4,210	2,140	7,000	4,470	1,360	606
13	4,790	2,370	665	3,490	4,910	4,250	4,710	1,760	3,820	6,850	1,730	958
14	4,230	716	3,980	3,710	4,830	4,300	3,850	2,120	4,280	4,750	621	432
15	5,480	438	4,520	4,310	6,000	4,060	4,010	404	7,320	2,080	308	1,470
16	5,880	3,330	4,480	3,320	4,740	3,990	3,930	276	11,100	2,080	2,650	858
17	3,840	3,180	4,530	448	6,740	4,480	502	4,080	7,360	318	2,450	388
18	532	2,040	4,560	2,750	8,620	7,310	376	2,130	6,300	308	1,420	475
19	4,290	2,290	2,570	2,350	7,300	10,700	3,880	2,220	4,300	2,510	372	406
20	4,500	3,810	609	2,050	7,200	10,200	2,960	2,500	1,020	2,230	2,510	1,420
21	2,570	1,890	2,310	1,920	7,100	8,300	3,270	452	2,360	336	2,000	1,670
22	3,600	422	3,700	1,960	7,120	7,540	2,220	3,170	2,200	336	429	360
23	4,270	3,430	4,110	2,920	7,000	7,280	2,180	532	2,440	374	1,430	1,660
24	2,570	2,270	3,620	4,060	7,000	11,700	356	4,110	2,050	904	821	385
25	464	3,500	5,440	4,080	7,100	16,900	1,720	2,430	814	332	350	366
26	2,520	2,780	35,700	3,900	6,860	12,500	2,040	2,390	1,390	2,190	508	352
27	2,420	4,160	43,400	3,800	4,770	14,700	4,570	2,070	1,350	1,330	328	1,720
28	2,480	4,400	25,400	3,330	2,830	15,900	7,410	356	3,510	1,510	350	2,360
29	2,580	2,570	10,800	3,820	-----	8,140	7,420	315	2,480	5,000	310	2,150
30	2,370	4,200	7,800	491	-----	10,500	7,000	306	1,850	3,720	367	2,140
31	464	-----	7,690	412	-----	7,790	-----	3,080	-----	2,780	728	-----
TOTAL	159,200	72,186	218,734	138,331	153,530	225,538	134,768	60,780	95,322	61,856	38,072	38,710
MEAN	5,135	2,300	7,056	4,462	5,483	7,275	4,492	1,961	3,177	1,995	1,228	1,290
MAX	24,000	4,400	43,400	7,660	8,620	16,900	7,620	4,740	11,100	6,850	3,730	3,640
MIN	464	234	609	412	1,060	948	356	266	304	308	308	306
(+)	-272	-257	+994	-1,169	+670	+442	+76	0	-25	+73	-146	-314
CAL YR 1964	TOTAL 2,274,277	MEAN 6,214	MAX 51,400	MIN 178	MEAN* 6,348	CFSM* 2 15	IN* 29 26					
CAL YR 1965	TOTAL 1,597,027	MEAN 5,382	MAX 43,400	MIN 234	MEAN* 3,829	CFSM* 1 30	IN* 17 65					

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
+ Adjusted for change in contents



2-2233 Big Sandy Creek near Jeffersonville, Ga

Location --Lat 32°48', long 83°25', on downstream side of highway bridge on county road, 2.9 miles upstream from Myricks Mill and 9 miles northwest of Jeffersonville, Twiggs County

Drainage area --31 sq mi, approximately

Records available --October 1958 to September 1965

Gage --Digital water-stage recorder Prior to April 14, 1965, graphic water-stage recorder at same site and datum

Average discharge --7 years, 33.1 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (125 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 20, 1961	-	180	3.98	Apr 13, 1962	0200	374	4.50	May 4, 1964	0100	242	4.35
Feb 24, 1961	-	359	4.47	May 1, 1963		296	4.33	July 19, 1964	1600	197	4.16
Apr 1, 1961	1800	334	4.42	Jan 20, 1963	1800	208	4.08	Oct 5, 1964	0800	140	3.87
Apr 13, 1961	1500	202	4.08	Sept 28, 1963	2100	202	4.06	Dec 26, 1964	1800	159	4.05
Apr 16, 1961	1200	* 484	4.70	Jan 9, 1964	1200	215	4.24	Feb 18, 1965	1900	229	4.33
Dec 12, 1961	1900	164	3.90	Jan 20, 1964	1800	155	3.95	Mar 18, 1965	0300	161	4.06
Jan 6, 1962	0800	* 874	5.30	Jan 26, 1964	1800	187	4.11	Mar 25, 1965	0600	* 159	4.05
Feb 23, 1962	0600	769	5.15	Feb 19, 1964	1500	230	4.30	July 30, 1965	0900	126	3.76
Mar 12, 1962	0800	748	5.12	Mar 4, 1964	0200	240	4.34				
Apr 1, 1962	2200	229	4.15	Apr 8, 1964	2400	* 1,890	6.69				
Apr 8, 1962	1500	244	4.20								

Annual minimum discharge, water years 1961-65					
Water year	Date	Discharge	Water year	Date	Discharge
1961	Aug 2, 5, 1961	9.7	1964	Oct 22, 1963	7.4
1962	Sept 5, 1962	3.6	1965	May 21, 1965	8.9
1963	Sept 3, 1963	5.4			

a Minimum daily

1958-65 Maximum discharge, 1,890 cfs Apr 8, 1964 (gage height, 6.69 ft), minimum, 3.6 cfs Sept 5, 1962

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	19	13	14	44	16	50	268	47	21	15	9.9	16
2	14	13	14	32	16	55	190	91	19	13	9.9	14
3	12	13	14	22	15	51	84	88	18	13	10	13
4	11	12	14	18	15	44	56	63	16	26	12	13
5	10	12	14	17	15	37	44	44	15	15	11	16
6	9.9	12	14	16	18	33	39	36	14	16	12	26
7	10	12	14	16	22	37	36	32	13	15	14	15
8	11	12	14	15	28	48	33	29	12	13	12	13
9	12	12	15	15	22	47	33	28	12	13	12	13
10	12	12	14	15	20	38	40	36	12	12	12	12
11	11	15	18	15	18	31	46	48	12	12	11	12
12	11	15	20	15	17	27	124	47	12	15	11	12
13	11	13	18	16	16	27	174	45	11	15	20	11
14	11	13	16	22	16	26	107	36	11	14	35	13
15	11	13	17	30	16	26	198	29	12	13	17	17
16	11	13	20	28	15	24	389	25	14	12	14	15
17	11	16	18	20	15	23	212	22	13	11	13	12
18	11	16	17	18	34	24	107	20	13	12	13	11
19	11	16	16	17	70	25	71	19	13	51	13	11
20	12	15	15	20	160	26	56	17	13	17	17	11
21	12	14	19	18	130	37	46	16	32	14	17	10
22	11	14	34	16	150	39	41	18	86	12	14	10
23	11	14	24	16	190	35	37	54	74	12	14	10
24	11	15	20	16	280	28	34	72	33	12	42	10
25	11	15	18	20	260	23	32	52	21	11	47	10
26	11	15	18	30	160	21	32	38	18	11	45	9.9
27	11	15	17	28	70	20	58	56	26	11	33	11
28	11	15	17	22	55	21	109	63	33	11	21	12
29	11	15	17	18	-----	23	89	44	22	11	16	12
30	11	15	22	17	-----	25	53	29	17	11	15	12
31	12	-----	32	16	-----	97	-----	24	-----	10	15	-----
TOTAL	354.9	415	554	628	1,859	1,068	2,838	1,268	638	449	557.8	382.9
MEAN	11.4	13.8	17.5	20.3	60.4	34.5	94.6	40.9	21.3	14.5	16.0	12.8
MAX	19	16	34	44	280	97	389	91	86	51	47	26
MIN	9.9	12	14	15	15	20	32	16	11	10	9.9	9.9
CFSM	.37	.45	.58	.65	2.14	1.11	3.05	1.32	.69	.47	.58	.41
IN.	.43	.50	.66	.75	2.23	1.28	3.40	1.52	.77	.54	.67	.46
CAL YR 1960: TOTAL	12,826.5											
MEAN	35.0											
MAX	448											
MIN	7.3											
CFSM	1.13											
IN	15.39											
WAT YR 1961: TOTAL	11,012.6											
MEAN	30.2											
MAX	389											
MIN	9.9											
CFSM	.97											
IN	13.21											

Note --No gage-height record Dec 22 to Mar 2

2-2233. Big Sandy Creek near Jeffersonville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	7.3	8.7	27	37	81	193	39	14	16	15	4.6
2	12	8.2	8.2	24	32	112	174	34	16	14	15	4.5
3	12	8.8	8.0	25	30	113	91	30	35	12	15	4.2
4	11	8.8	8.0	23	29	86	66	27	23	12	17	3.9
5	11	9.0	8.0	21	28	62	58	25	17	12	15	4.6
6	11	9.0	11	535	27	51	63	24	19	12	15	16
7	10	11	11	329	26	44	113	23	18	12	14	14
8	10	11	9.9	162	24	41	226	22	30	12	15	8.4
9	10	11	9.9	77	24	40	205	21	24	12	19	7.5
10	9.7	11	17	53	24	52	113	25	20	12	16	8.4
11	9.5	11	25	44	23	209	80	26	30	10	15	10
12	9.4	11	93	38	22	706	206	24	35	10	14	9.8
13	9.2	11	87	34	21	313	316	21	34	9.1	15	13
14	9.4	11	44	32	21	137	160	19	25	8.6	24	12
15	9.2	11	82	33	21	94	93	18	19	8.1	24	12
16	8.3	11	59	35	29	81	74	17	15	8.1	27	11
17	7.3	11	62	32	29	69	64	19	14	7.8	28	12
18	7.0	10	57	31	28	59	58	20	13	7.6	19	20
19	7.3	10	42	54	42	54	54	18	12	8.3	17	21
20	6.6	10	35	69	38	53	50	16	12	13	12	15
21	6.5	10	29	70	35	58	48	14	14	9.8	9.1	11
22	6.3	10	26	53	94	62	45	16	12	8.3	10	8.9
23	6.3	13	26	42	516	62	42	15	11	7.8	13	8.8
24	6.3	14	26	38	152	53	42	14	13	7.3	20	8.9
25	6.3	11	25	35	90	54	41	13	18	8.1	16	9.8
26	6.3	11	25	32	62	68	52	12	18	8.3	19	15
27	6.5	12	22	34	54	65	61	12	44	7.8	16	21
28	6.6	10	22	67	63	55	52	11	56	8.6	14	17
29	7.0	9.9	21	75	-----	46	50	14	37	19	11	13
30	6.6	-----	20	62	-----	43	45	12	22	16	9.8	11
31	7.2	-----	16	45	-----	83	-----	-----	-----	-----	5.9	-----
TOTAL	263.8	311.2	943.7	2,231	1,621	3,106	2,935	613	670	333.6	494.8	336.3
MEAN	8.51	10.4	30.4	72.0	57.9	100	97.8	19.8	22.3	10.8	16.0	11.2
MAX	12	14	93	535	516	706	316	39	56	19	28	21
MIN	6.3	7.3	8.0	21	21	40	41	11	11	7.3	5.9	3.9
CFSM	.27	.33	.96	2.32	1.87	3.23	3.16	.64	.72	.35	.51	.36
IN.	.32	.37	1.13	2.68	1.94	3.73	3.52	.74	.80	.40	.59	.40
CAL YR 1961: TOTAL	11,207.4	MEAN 30.7	MAX 389	MIN 6.3	CFSM .99	IN 13.45						
WAT YR 1962: TOTAL	13,859.4	MEAN 38.0	MAX 706	MIN 3.9	CFSM 1.22	IN 16.63						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	12	21	32	41	34	24	161	28	17	14	6.0
2	10	12	20	31	40	34	24	61	18	18	12	5.9
3	13	12	19	23	48	33	24	36	11	14	11	5.7
4	48	12	19	20	41	33	24	24	11	12	9.6	6.2
5	46	12	19	19	38	35	23	20	11	11	8.9	7.3
6	29	12	20	19	38	56	27	14	11	10	8.4	6.8
7	18	13	19	17	37	48	37	13	10	10	7.8	6.7
8	16	13	19	19	32	47	38	11	9.8	15	8.3	6.4
9	15	25	22	18	30	38	33	10	12	17	12	6.2
10	15	25	20	18	29	34	27	10	14	16	10	6.0
11	13	41	28	20	53	31	25	9.8	11	13	9.4	5.9
12	12	20	35	37	69	40	23	9.6	8.4	11	8.4	5.9
13	12	23	34	34	54	71	23	10	8.1	9.6	8.1	5.9
14	12	24	32	32	53	56	21	21	8.0	9.1	7.8	10
15	12	19	29	30	44	47	21	19	6.8	9.8	7.2	24
16	12	17	29	25	40	37	21	15	10	9.6	7.0	24
17	12	17	25	24	39	35	20	13	24	16	6.8	22
18	12	18	20	42	34	35	20	11	27	43	6.7	15
19	11	20	19	39	48	34	20	9.4	30	39	6.5	12
20	10	22	19	121	44	37	20	9.4	24	23	6.2	11
21	12	37	17	128	44	33	19	9.3	26	27	6.4	9.8
22	20	56	18	142	40	30	13	8.4	39	19	6.4	9.4
23	18	48	18	75	35	27	9.8	8.0	37	15	6.5	11
24	14	33	17	52	45	26	9.3	7.8	30	13	6.2	8.8
25	12	24	28	45	46	25	9.3	7.8	27	14	6.0	8.4
26	11	22	29	45	46	43	10	8.4	34	14	6.0	7.6
27	11	21	27	43	39	42	9.3	10	53	13	6.0	7.6
28	11	21	26	39	35	43	10	52	45	12	6.4	52
29	11	22	33	37	-----	34	15	69	26	19	6.2	95
30	12	22	40	43	-----	28	58	90	20	31	6.4	57
31	12	-----	34	45	-----	26	-----	54	-----	17	6.2	-----
TOTAL	482	655	756	1,316	1,182	1,172	657.7	811.9	630.1	517.1	244.8	465.5
MEAN	15.5	21.8	24.4	42.5	42.2	37.8	21.9	26.2	21.0	16.7	7.90	15.5
MAX	48	56	40	142	69	71	58	161	53	43	14	95
MIN	10	12	17	18	29	25	9.3	7.8	6.8	9.1	6.0	5.7
CFSM	.50	.70	.79	1.37	1.36	1.22	.71	.84	.68	.54	.25	.50
IN.	.58	.79	.91	1.58	1.42	1.41	.79	.97	.76	.62	.29	.56
CAL YR 1962: TOTAL	14,233.7	MEAN 39.0	MAX 706	MIN 3.9	CFSM 1.26	IN 17.08						
WAT YR 1963: TOTAL	8,950.1	MEAN 24.4	MAX 161	MIN 5.7	CFSM .79	IN 10.67						

## 2-2233 Big Sandy Creek near Jeffersonville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	8.4	29	51	58	80	25	42	15	26	27	10
2	16	10	22	46	63	87	25	78	14	28	16	9.3
3	13	10	19	46	61	197	25	175	18	26	16	8.9
4	11	9.9	17	38	48	205	26	185	18	25	15	8.6
5	11	10	17	38	44	185	26	105	16	18	17	8.6
6	10	12	17	40	54	171	70	72	18	13	18	8.4
7	9.8	12	16	38	56	121	167	93	21	11	26	8.2
8	9.4	11	17	41	65	87	716	44	18	7.9	35	8.2
9	9.3	11	18	176	56	70	823	39	16	11	32	8.2
10	9.3	10	18	168	50	70	194	37	14	19	26	12
11	9.1	9.8	17	142	48	67	124	36	13	16	22	19
12	8.8	9.8	37	139	44	59	100	36	14	16	18	30
13	9.0	10	45	130	44	48	87	35	24	28	17	33
14	8.7	11	74	112	66	44	90	33	26	28	14	27
15	8.5	11	72	75	73	55	86	32	24	34	14	21
16	8.2	11	53	54	95	69	70	32	19	39	18	17
17	8.2	11	36	77	80	57	55	31	16	37	21	15
18	8.0	11	26	109	169	47	47	26	13	115	20	14
19	7.8	11	24	133	214	40	44	16	12	138	18	14
20	7.5	11	23	140	152	38	40	14	11	122	18	14
21	7.7	12	24	121	94	36	36	14	9.6	73	17	14
22	7.5	12	21	100	68	35	34	14	9.3	60	12	13
23	7.7	16	24	72	56	33	32	14	17	57	11	13
24	7.8	22	26	60	46	33	26	13	26	43	11	13
25	8.2	18	25	127	46	42	38	13	16	39	10	12
26	8.2	15	23	173	54	59	42	12	19	38	9.3	11
27	8.1	41	21	127	61	49	79	12	30	37	9.1	12
28	8.4	37	20	86	96	46	90	12	22	36	9.8	12
29	8.8	59	20	63	98	38	89	12	26	35	15	13
30	7.8	44	19	50	50	27	15	12	22	33	15	13
31	8.0	-----	27	46	-----	25	-----	14	-----	26	11	-----
TOTAL	300.8	486.9	844	2,818	2,163	2,220	3,364	1,263	536.9	1,234.9	540.2	420.4
MEAN	9.70	15.2	27.2	90.9	74.6	71.6	112	40.7	17.9	39.8	17.4	14.0
MAX	30	59	74	176	218	205	823	185	30	138	35	33
MIN	7.5	8.4	16	38	44	25	25	12	9.3	7.9	9.1	8.2
CFSM	.31	.52	.88	2.93	2.41	2.31	3.62	1.31	.58	1.29	.56	.45
IN.	.36	.58	1.01	3.38	2.59	2.66	4.04	1.52	.64	1.48	.65	.50

CAL YR 1963. TOTAL 8,468.8 MEAN 22.6 MAX 161 MIN 5.7 CFSM 1.76 IN 10.23  
 WAT YR 1964. TOTAL 10,192.1 MEAN 46.2 MAX 823 MIN 7.5 CFSM 1.49 IN 19.23

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	16	21	31	27	39	62	23	9.8	27	31	9.1
2	15	16	20	29	28	47	56	19	9.2	17	41	13
3	18	16	20	32	28	52	49	17	9.1	15	22	13
4	60	16	23	32	27	52	61	16	9.4	16	17	14
5	98	16	25	30	27	43	80	15	9.2	17	15	15
6	78	16	25	29	28	40	84	14	9.2	17	15	15
7	55	16	25	28	37	38	64	14	11	15	15	12
8	31	16	25	28	39	37	50	13	31	15	29	12
9	23	16	24	27	38	36	44	12	35	19	28	11
10	20	16	24	28	45	34	41	13	28	20	21	12
11	19	16	24	27	38	32	37	13	24	18	28	12
12	18	16	26	27	44	44	37	12	41	86	29	11
13	19	17	27	27	56	55	37	11	42	66	25	12
14	22	17	26	26	79	55	36	10	33	38	23	11
15	42	18	26	26	76	41	34	10	121	22	23	11
16	48	19	25	27	74	36	36	9.4	244	22	18	11
17	42	21	25	27	127	46	35	9.5	171	23	17	11
18	38	21	26	27	220	144	31	9.3	89	16	16	13
19	30	20	26	26	184	139	28	9.1	53	14	15	17
20	25	22	27	26	114	118	32	9.0	37	12	12	14
21	23	22	28	26	79	96	29	8.9	26	11	11	14
22	23	21	28	26	62	76	28	9.1	21	10	10	14
23	22	20	27	27	51	69	26	9.2	18	11	9.7	15
24	21	21	27	43	51	121	23	9.1	17	11	9.1	17
25	20	26	93	41	68	146	22	9.0	17	11	10	23
26	19	26	139	40	64	114	22	9.0	24	10	9.5	18
27	19	26	130	32	51	94	36	9.1	26	13	9.4	17
28	18	24	90	28	42	86	64	9.6	35	17	13	14
29	18	23	54	27	-----	70	68	12	31	84	11	15
30	17	22	38	27	-----	61	58	12	23	120	9.4	22
31	17	-----	36	27	-----	67	-----	10	-----	57	9.1	-----
TOTAL	932	578	1,180	904	1,804	2,128	1,288	365.3	1,253.9	850	551.2	416.1
MEAN	30.1	19.3	38.1	29.2	64.4	68.6	42.9	11.8	41.8	27.4	17.8	13.3
MAX	98	59	74	63	218	205	823	185	30	138	35	33
MIN	14	16	20	26	27	32	22	8.9	9.1	10	9.1	9.1
CFSM	.97	.62	1.23	.94	2.08	2.21	1.38	.38	1.35	.88	.57	.45
IN.	1.12	.69	1.42	1.08	2.16	2.55	1.55	.44	1.50	1.02	.66	.50

CAL YR 1964. TOTAL 17,250.4 MEAN 47.1 MAX 823 MIN 7.9 CFSM 1.52 IN 20.69  
 WAT YR 1965. TOTAL 12,250.5 MEAN 33.6 MAX 244 MIN 6.9 CFSM 1.08 IN 14.70

2-2235 Oconee River at Dublin, Ga

Location --Lat 32°32', long 82°52', near left bank on downstream end of pier of relocated bridge on U. S Highway 80 at Dublin, Laurens County, and at mile 77.9

Drainage area --4,400 sq mi, approximately

Records available --January 1894 to September 1897 (gage heights only), October 1897 to September 1965. Monthly discharge only for some periods, published in WSP 1504. Gage-height records collected at same site since 1893 are contained in reports of U. S. Weather Bureau.

Gage --Digital water-stage recorder. Datum of gage is 149.08 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. Prior to Apr. 14, 1932, staff gage and Apr. 15, 1932, to July 17, 1934, graphic water-stage recorder at site 420 ft downstream at datum 3.0 ft higher (Oct. 1, 1933, to July 17, 1934, corrected to present datum). July 18, 1934, to Apr. 14, 1936, graphic water-stage recorder, Apr. 15, 1936, to Oct. 12, 1938, wire-weight gage and Oct. 13, 1938, to Jan. 20, 1953, graphic water-stage recorder at site 80 ft upstream at present datum. Jan. 21, 1953, to Jan. 19, 1964, graphic water-stage recorder at same site and datum.

Average discharge --68 years, 5,124 cfs (unadjusted)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table.

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 28, 1961	60,400	28.4	Sept 30, 1961	840	-
1962	Mar 15, 1962	33,500	23.1	Oct 10, 1961	685	-
1963	July 3, 1963	31,500	23.1	Sept 14, 1963	555	-
1964	Apr 11, 1964	49,800	a 27.8	Oct 29, 1963	590	-
1965	Dec 30, 1964	36,600	25.2	Aug 31, Sept 1, 1965	705	-

a From graph based on gage readings

1897-1965. Maximum discharge, 96,700 cfs Apr. 12, 13, 1936 (gage height, 32.97 ft), minimum, 333 cfs Sept. 12, 1951 (gage height, 0.48 ft).

Maximum stage known since at least 1893, 32.97 ft Apr. 12, 13, 1936.

Remarks --Records good. Flow regulated by Sinclair Reservoir (see station 2-2225).

Revisions (water years) --WSP 822. Drainage area WSP 1504. 1898-1903, 1905-6, 1908-9, 1912, 1913(M), 1925(M).

Correction --In WSP 1304, the momentary maximum discharge for the water year 1916 is listed in error, it should be 24,600 cfs July 27, 1916.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	5,060	940	1,620	2,300	2,020	58,000	7,900	11,500	3,530	3,690	1,100	5,870		
2	4,090	1,260	1,620	2,020	2,020	52,600	11,100	12,800	2,510	2,650	1,820	5,960		
3	2,510	1,950	1,760	1,470	2,730	45,800	14,000	13,200	2,810	1,440	1,880	5,600		
4	1,500	2,160	1,410	1,620	2,810	38,200	21,600	12,800	2,730	1,290	1,320	4,490		
5	1,760	2,300	1,070	1,950	1,690	30,900	25,800	12,500	1,690	1,620	1,120	2,020		
6	2,970	2,020	965	1,880	1,620	24,400	24,800	12,400	1,880	1,620	1,150	1,820		
7	2,890	1,180	1,320	2,370	1,880	19,200	21,800	11,800	3,610	3,530	1,290	2,580		
8	2,300	1,150	2,090	2,020	3,210	15,700	18,400	9,250	4,090	3,290	3,530	2,090		
9	1,950	2,370	2,300	1,290	3,530	12,800	15,500	6,140	2,020	2,890	4,250	2,440		
10	1,760	2,650	3,050	1,380	2,890	11,800	13,200	6,950	1,620	1,690	4,410	3,290		
11	1,150	2,160	2,440	2,370	1,760	12,100	11,500	6,860	1,760	1,150	4,490	1,880		
12	1,760	1,620	1,500	1,690	1,760	13,200	11,500	8,100	1,350	2,020	2,970	1,410		
13	1,760	1,290	1,760	1,440	1,470	13,300	12,500	9,490	1,950	2,810	2,020	2,580		
14	2,090	1,200	2,730	1,290	1,350	12,500	13,500	10,500	4,170	4,250	1,760	2,510		
15	2,580	990	2,650	1,290	1,260	11,200	15,000	11,100	4,490	4,570	1,260	2,440		
16	2,300	1,040	3,290	1,440	1,180	10,100	18,800	11,300	3,930	4,490	1,230	1,760		
17	1,410	1,100	3,130	1,620	1,150	9,370	22,800	11,100	3,850	3,370	1,380	1,260		
18	1,180	1,180	2,440	2,440	1,150	9,010	28,800	10,200	3,130	2,090	1,320	1,180		
19	1,880	1,320	1,320	1,820	1,690	8,890	30,900	7,500	1,470	4,170	1,150	1,380		
20	1,880	1,470	1,380	1,690	4,090	8,770	27,800	4,970	1,200	5,330	1,260	2,650		
21	1,880	1,070	2,370	2,440	7,900	8,320	23,400	3,610	2,300	5,690	1,620	2,300		
22	1,560	965	2,370	2,230	9,370	7,500	19,000	2,440	5,960	5,330	1,500	3,770		
23	1,760	1,180	2,440	1,560	10,800	7,040	15,700	3,850	7,040	3,610	1,820	4,170		
24	1,200	1,410	2,230	1,350	12,800	5,330	12,500	6,500	7,310	1,820	2,020	3,690		
25	940	1,620	1,820	1,620	16,600	4,330	8,650	7,220	4,730	1,500	4,330	2,160		
26	1,440	1,690	1,260	1,950	21,100	3,770	7,600	7,220	2,890	2,440	8,000	1,560		
27	1,560	1,380	1,200	2,510	42,400	2,730	7,800	7,130	4,090	2,580	8,770	2,300		
28	1,180	1,380	1,320	3,050	59,200	2,650	8,540	7,310	6,680	2,730	9,010	1,320		
29	1,380	1,070	2,300	3,050	-----	4,650	9,490	5,870	6,680	2,300	9,010	1,410		
30	1,150	1,500	2,440	1,690	-----	5,330	10,400	3,690	5,240	1,620	8,210	965		
31	1,120	-----	2,440	1,500	-----	4,570	-----	2,890	-----	1,200	6,410	-----		
TOTAL	59,950	44,615	62,035	58,540	221,430	474,060	490,280	258,190	106,710	88,780	101,410	78,855		
MEAN	1,934	1,447	2,001	1,888	7,198	15,290	16,340	8,329	3,557	2,864	3,271	2,629		
MAX	5,060	2,650	3,290	3,050	59,200	58,000	30,900	13,200	7,310	5,690	9,010	5,960		
MIN	940	940	965	1,290	1,150	2,650	7,600	2,440	1,200	1,150	1,100	965		
(+/-)	-156	-255	-527	+410	+1,468	-195	0	+73	-202	+122	-244	-402		
CAL YR 1960-1961	TOTAL	2,042,453	MEAN	2,602	MAX	31,600	MIN	795	MEAN	5,590	CFSM#	1 27	IN#	17 31
CAL YR 1961-1962	TOTAL	2,044,855	MEAN	2,602	MAX	31,600	MIN	940	MEAN	5,600	CFSM#	1 27	IN#	17 26

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co.  
+ Adjusted for change in contents

## ALTAMAHA RIVER BASIN

2-2235 Oconee River at Dublin, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	818	940	2,300	5,870	9,010	27,600	10,200	7,500	2,090	1,560	818	1,620
2	795	1,120	2,890	5,330	9,490	24,100	11,800	7,310	2,440	1,150	818	1,260
3	772	1,690	2,160	6,410	9,490	21,400	13,000	6,950	2,730	1,120	990	915
4	750	1,820	1,150	6,500	8,650	19,400	14,500	5,780	1,560	1,440	1,150	750
5	750	1,620	1,120	6,410	5,420	18,000	15,200	4,650	1,290	1,230	940	1,220
6	840	1,040	2,370	6,590	3,610	16,600	14,900	3,530	2,370	1,180	840	2,230
7	750	840	3,130	8,100	5,240	15,000	14,500	1,950	3,050	1,560	890	1,180
8	728	1,380	2,510	9,610	5,510	13,500	14,100	2,160	3,130	2,160	1,620	990
9	750	1,490	1,820	11,800	5,240	11,600	14,700	3,130	2,890	1,620	1,020	865
10	705	1,760	1,880	15,400	3,770	9,730	16,000	3,450	2,810	1,350	818	772
11	1,040	1,620	1,350	17,200	3,050	9,980	18,200	3,530	2,440	2,300	990	795
12	1,150	1,100	2,510	16,400	2,230	12,100	20,100	3,210	2,230	2,370	795	1,320
13	1,120	940	5,600	14,700	2,440	15,400	20,100	2,440	3,530	2,300	750	1,620
14	1,560	840	7,130	12,800	3,770	20,800	20,100	1,500	3,770	2,370	840	1,150
15	1,620	1,150	8,100	11,300	3,690	30,900	24,600	1,690	4,010	2,230	1,340	915
16	990	1,760	9,010	10,400	4,330	32,300	28,200	2,730	4,650	1,470	2,090	795
17	728	2,230	9,730	4,250	28,400	3,050	3,530	3,530	1,040	1,500	865	865
18	1,200	2,510	10,400	9,250	3,370	25,200	23,400	3,290	1,880	1,560	2,510	1,740
19	1,500	2,230	10,900	9,250	2,580	21,400	19,600	3,210	1,620	2,370	2,300	2,970
20	1,760	1,380	11,200	9,610	3,930	17,600	16,600	2,890	2,810	1,950	1,560	2,370
21	1,950	1,100	11,200	9,980	5,690	14,900	14,000	1,500	2,160	1,200	1,360	1,620
22	1,620	2,020	11,100	10,200	5,870	12,700	12,100	1,820	2,160	1,020	2,230	1,440
23	965	2,370	10,900	10,600	8,320	11,600	10,200	3,050	2,580	940	1,350	1,410
24	772	1,950	10,800	10,600	10,400	11,200	6,680	2,440	1,880	1,020	1,820	1,040
25	890	1,560	10,500	10,600	14,000	11,100	6,590	1,690	1,040	2,650	1,620	915
26	890	2,090	9,980	9,850	22,100	10,500	5,240	1,760	965	2,440	1,200	2,020
27	840	1,380	9,250	8,210	27,800	9,850	4,970	2,090	2,160	1,350	1,040	4,090
28	750	1,330	8,650	6,680	29,500	9,730	5,240	1,150	2,160	1,040	965	3,690
29	940	2,650	8,430	5,150	-----	9,490	6,500	1,150	1,620	990	1,620	1,620
30	750	2,300	8,100	5,330	-----	9,370	7,400	2,300	1,440	915	1,500	1,690
31	705	-----	7,130	7,700	-----	8,890	1,950	-----	-----	840	2,160	-----
TOTAL	31,398	48,410	203,300	297,760	222,350	510,340	435,620	94,850	72,995	48,735	42,444	45,877
MEAN	1,013	1,614	6,558	9,605	7,941	16,460	14,520	3,060	2,433	1,572	1,369	1,529
MAX	1,950	2,650	11,200	19,200	29,500	32,300	28,200	7,500	4,650	2,650	2,510	4,090
MIN	705	840	1,120	5,150	2,230	8,890	4,970	1,150	965	840	750	750
(+)	-112	-297	+20	+39	+1,133	-317	+151	+73	-101	+24	-73	-123

CAL YR 1961: TOTAL 2,161,363 MEAN 5,922 MAX 39,200 MIN 705 MEAN# 5,967 CFSM# 1.36 IN# 18.46  
WAT YR 1962: TOTAL 2,054,079 MEAN 5,628 MAX 32,300 MIN 705 MEAN# 5,655 CFSM# 1.29 IN# 17.51

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
+ Adjusted for change in contents

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,200	1,610	3,190	3,260	10,100	4,970	5,610	7,240	16,900	19,200	5,610	2,210
2	1,020	1,970	2,700	4,010	9,550	4,650	5,290	8,350	10,200	26,400	5,290	1,120
3	1,290	2,700	1,550	3,050	9,450	4,170	5,210	10,100	17,500	31,000	3,930	795
4	2,630	2,090	1,610	4,730	9,550	3,050	4,970	13,900	11,400	29,200	2,770	946
5	4,810	1,120	2,980	4,650	9,450	2,910	4,810	17,100	4,330	24,400	1,550	2,490
6	5,370	1,230	2,840	3,540	8,850	4,970	4,730	17,900	2,560	19,800	1,290	2,700
7	4,970	1,550	2,700	2,030	8,050	5,850	4,250	17,700	1,850	15,600	1,910	2,420
8	2,700	1,200	2,560	2,280	7,420	6,170	5,210	17,100	2,210	11,400	2,910	1,490
9	2,350	1,850	2,280	4,410	6,970	6,090	5,290	15,200	1,910	7,060	2,350	890
10	3,770	2,420	1,460	3,930	5,610	5,930	5,290	11,200	1,400	6,250	1,400	728
11	3,400	2,350	1,610	2,090	3,330	5,850	4,410	4,650	1,200	5,770	1,260	685
12	2,350	1,550	2,490	1,730	5,530	5,770	3,930	1,850	3,190	3,690	1,340	685
13	1,850	1,670	2,350	1,670	8,450	6,090	3,690	1,320	3,120	2,150	1,260	608
14	1,610	1,910	2,420	1,730	9,450	7,780	3,400	1,200	1,790	2,490	2,150	590
15	1,200	2,150	1,790	2,420	9,990	9,150	2,910	2,980	2,030	1,790	1,550	728
16	1,370	1,550	1,200	4,730	10,200	12,300	2,090	5,210	1,370	2,150	1,550	795
17	2,280	1,730	1,100	5,050	9,880	19,500	2,350	4,570	1,150	4,330	1,100	795
18	2,350	1,490	1,070	5,210	6,400	22,000	2,350	3,610	2,350	3,770	1,020	915
19	1,850	1,180	1,790	6,010	4,650	20,000	2,150	2,840	4,410	4,250	1,020	1,340
20	1,100	1,290	2,280	7,780	6,790	17,500	2,030	1,850	6,700	5,610	1,020	2,210
21	990	2,910	1,790	9,660	7,960	15,100	1,730	1,970	7,600	5,210	1,020	2,420
22	1,260	4,930	2,420	10,800	8,550	12,400	1,550	2,150	8,050	3,930	1,120	1,430
23	1,200	5,770	2,560	13,800	8,950	9,550	2,090	2,090	8,650	3,120	1,550	1,100
24	1,070	6,700	1,460	24,400	9,150	7,150	1,610	1,320	9,250	4,410	1,670	818
25	1,460	6,970	1,180	30,100	8,650	6,010	2,150	1,490	9,880	3,930	1,550	795
26	1,910	6,010	1,460	27,900	7,600	5,610	2,090	2,280	10,800	4,010	915	890
27	1,910	4,650	2,140	23,500	5,930	5,850	1,610	1,230	11,400	4,570	873	772
28	1,490	5,850	4,250	19,500	5,450	6,010	1,260	2,030	11,700	4,410	1,790	990
29	1,040	5,130	4,890	15,800	-----	4,010	1,200	6,520	11,900	2,350	1,120	1,940
30	915	3,690	5,450	12,900	-----	5,930	4,580	8,650	13,600	4,010	1,850	5,530
31	1,040	-----	4,810	11,200	-----	5,770	-----	10,900	-----	5,530	2,210	-----
TOTAL	63,755	86,220	74,380	273,870	221,910	260,090	99,840	206,500	210,690	271,790	57,948	41,825
MEAN	2,057	2,767	2,399	8,835	7,925	8,330	3,228	6,350	6,820	8,757	1,819	1,364
MAX	5,370	6,970	5,450	19,500	10,200	22,000	7,500	17,900	20,200	31,000	5,610	5,530
MIN	915	1,120	1,070	1,670	3,330	2,910	1,200	1,200	1,150	1,790	873	590
(+)	-452	-457	-78	+372	+94	+561	-47	+168	+176	-146	-274	-25

CAL YR 1962: TOTAL 1,995,326 MEAN 5,467 MAX 32,300 MIN 750 MEAN# 5,444 CFSM# 1.24 IN# 16.83  
WAT YR 1963: TOTAL 1,868,728 MEAN 5,120 MAX 31,000 MIN 590 MEAN# 5,132 CFSM# 1.17 IN# 15.88

+ Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
+ Adjusted for change in contents

2-2235 Oconee River at Dublin, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,520	1,230	5,290	5,530	18,400	11,400	22,500	11,600	1,220	2,550	5,700	1,950
2	6,610	890	4,730	5,930	17,000	11,300	21,000	15,100	1,270	2,730	5,380	3,030
3	6,250	1,610	3,400	4,810	15,700	12,700	18,900	18,500	3,570	3,330	3,970	2,190
4	5,210	818	4,730	6,090	14,200	13,800	16,100	20,100	4,040	3,150	3,090	1,620
5	3,930	685	4,970	6,430	12,800	14,400	13,300	28,800	4,180	1,570	3,970	1,170
6	2,980	728	4,570	5,290	11,800	15,900	11,000	41,400	4,180	1,470	3,690	1,370
7	1,370	1,730	4,730	3,930	11,000	18,900	10,300	44,400	3,390	2,970	3,630	1,040
8	1,230	2,090	3,930	5,850	10,600	21,400	10,900	41,900	1,720	3,630	2,610	920
9	2,910	1,850	2,090	7,890	10,400	22,300	18,200	35,700	1,370	2,430	1,570	880
10	4,090	1,670	2,030	9,450	10,200	21,200	37,000	28,600	3,270	2,250	1,370	1,520
11	4,090	890	3,400	10,500	10,100	18,400	49,300	22,000	3,210	2,670	1,420	4,460
12	3,190	772	3,260	11,500	10,000	15,500	46,000	16,900	2,670	2,610	3,570	4,040
13	1,550	1,850	4,570	12,800	9,750	12,900	39,900	13,000	2,910	1,890	4,820	2,250
14	990	2,150	6,430	13,800	9,490	11,700	33,200	10,100	2,670	3,450	4,390	1,770
15	965	2,210	7,420	13,800	9,430	10,900	28,000	7,620	1,320	3,690	3,830	1,620
16	2,090	2,150	7,960	13,300	9,150	10,900	23,000	6,150	1,040	3,450	1,950	1,520
17	2,280	1,790	8,250	13,100	8,220	11,200	18,900	4,600	1,120	4,180	1,470	2,130
18	2,350	915	8,450	12,900	9,210	16,000	15,600	3,330	1,070	4,250	2,010	2,190
19	2,030	750	8,550	12,400	11,400	28,200	13,100	1,950	1,070	5,380	3,830	2,250
20	1,490	1,020	8,550	12,900	12,300	31,800	11,300	4,530	2,010	8,060	3,970	2,010
21	818	1,850	8,150	12,800	13,500	26,800	10,300	4,820	2,070	10,900	3,330	1,170
22	665	1,850	6,970	12,600	15,800	22,000	9,600	4,980	1,520	12,500	1,670	1,040
23	795	1,610	5,610	12,400	17,600	18,700	8,830	4,900	2,190	13,400	1,320	1,830
24	1,370	1,730	4,650	12,100	16,900	16,000	7,620	3,900	2,070	14,700	1,100	2,490
25	1,180	1,040	5,530	12,200	15,300	13,300	6,620	1,950	1,370	16,900	1,420	2,310
26	1,490	940	5,050	12,300	13,700	11,400	6,240	1,570	1,890	17,500	2,790	1,220
27	1,550	2,210	4,090	12,300	12,400	10,500	5,220	4,110	3,970	16,500	2,490	960
28	865	3,400	4,890	13,000	11,800	10,500	7,420	4,110	4,110	15,100	4,600	920
29	645	4,090	4,090	17,200	11,500	13,100	9,380	3,830	2,550	13,400	5,460	1,240
30	1,100	4,330	2,280	21,200	-----	18,500	10,200	3,270	1,670	9,400	4,110	2,430
31	1,320	-----	2,560	20,400	-----	22,200	-----	1,520	-----	5,700	1,890	-----
TOTAL	73,923	50,848	161,180	346,500	359,650	513,800	536,930	415,190	70,710	211,910	96,420	55,540
MEAN	2,385	1,695	5,199	11,180	12,400	16,570	17,960	13,390	2,357	6,836	3,110	1,851
MAX	6,610	4,130	8,550	21,200	18,400	31,800	49,300	44,400	4,180	17,500	5,700	4,460
MIN	645	685	2,030	3,930	8,220	10,000	5,220	1,520	1,040	1,470	1,100	880
(†)	-722	-205	-488	+1,555	-480	+522	+25	-171	+101	-98	-353	-24

CAL YR 1963:	TOTAL 1,930,324	MEAN 5,289	MAX 31,000	MIN 590	MEAN* 5,264	CFSM* 1 20	IN* 16 29
MAT YR 1964	TOTAL 2,894,601	MEAN 7,909	MAX 49,300	MIN 645	MEAN* 7,883	CFSM* 1 79	IN* 24 36

† Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
‡ Adjusted for change in contents

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,320	2,280	3,720	29,300	2,490	8,840	18,100	8,250	1,350	2,920	5,970	740
2	2,230	1,520	4,150	22,800	2,930	7,240	16,400	8,220	2,200	2,260	4,730	977
3	3,820	1,540	3,490	17,900	4,980	16,700	16,100	8,600	1,070	2,280	3,090	900
4	4,620	2,790	4,250	14,000	5,110	8,760	13,500	4,900	1,320	1,630	2,680	1,070
5	4,480	3,340	4,570	11,700	5,040	8,790	12,600	3,720	2,140	1,210	2,140	1,390
6	7,610	3,140	4,370	10,300	4,900	8,270	11,800	3,330	1,820	1,080	1,690	880
7	8,730	2,370	3,400	9,500	5,020	7,770	11,400	3,100	998	1,110	1,930	780
8	10,100	1,530	3,490	9,070	4,890	6,530	11,000	3,010	1,360	2,090	2,700	1,240
9	13,100	1,320	4,740	8,800	6,410	5,050	10,200	2,770	4,360	3,040	1,410	2,510
10	17,100	1,600	4,420	8,630	6,530	6,450	9,720	1,730	4,730	2,700	1,960	2,240
11	16,700	3,140	4,610	8,600	7,320	6,600	9,240	1,750	3,840	2,670	2,980	2,900
12	13,800	2,990	4,660	8,500	7,900	6,470	7,470	2,530	4,620	2,320	2,010	3,180
13	7,280	2,410	4,180	8,390	9,050	6,940	5,180	2,580	6,620	3,200	2,310	2,310
14	5,160	2,780	2,440	7,790	10,000	7,630	6,290	2,390	7,070	6,490	2,090	1,160
15	5,700	2,290	2,370	6,110	10,400	7,350	6,320	2,460	6,050	6,230	1,970	1,130
16	6,770	1,540	4,250	5,700	10,400	7,300	5,760	2,130	7,130	5,400	1,460	882
17	7,180	1,780	4,640	5,720	11,600	6,850	5,690	1,190	8,620	3,750	1,570	1,420
18	7,240	3,130	4,690	4,110	13,300	7,230	4,500	1,860	9,530	2,990	2,520	1,290
19	5,240	2,990	4,700	2,930	13,800	8,820	2,560	3,250	10,500	1,600	2,280	1,170
20	3,660	2,700	4,170	3,710	14,300	10,300	4,090	2,570	11,000	1,630	1,740	1,230
21	4,880	3,310	2,430	3,550	14,900	11,700	6,970	2,720	8,720	2,980	1,290	1,090
22	4,310	3,320	2,240	3,260	14,600	12,800	6,300	2,380	3,960	2,020	2,420	1,700
23	3,460	2,220	3,370	3,180	13,400	13,600	5,420	1,730	3,100	1,190	1,880	1,760
24	4,050	2,140	4,250	4,030	12,200	14,900	4,590	2,720	2,870	1,160	1,090	1,240
25	3,760	3,270	4,840	6,560	11,300	14,700	3,540	2,060	2,670	1,310	1,500	1,730
26	2,550	3,430	7,270	5,980	10,800	14,500	2,420	3,450	2,380	1,500	1,180	1,170
27	1,850	3,950	9,220	6,320	10,400	15,000	3,420	2,560	1,700	1,470	866	986
28	2,710	3,850	11,400	6,090	9,980	17,200	4,270	2,320	1,990	2,190	926	986
29	2,760	4,600	22,900	5,730	-----	18,800	6,680	2,150	2,410	2,360	823	2,150
30	2,800	4,210	34,700	5,220	-----	18,800	7,660	1,250	3,580	4,380	794	2,330
31	2,810	-----	36,900	4,490	-----	18,800	-----	1,000	-----	5,990	737	-----
TOTAL	188,580	81,520	219,580	257,970	253,850	322,090	237,790	92,070	129,648	83,350	62,646	44,541
MEAN	6,083	2,717	7,083	8,322	9,066	10,390	7,926	2,970	4,322	2,689	2,021	1,485
MAX	17,100	4,600	34,900	29,300	14,900	18,800	18,100	8,250	11,000	6,490	5,970	3,180
MIN	1,850	1,320	2,240	2,930	2,490	5,050	2,420	1,000	998	1,080	737	760
(†)	-272	-257	+994	-1,169	+670	+442	+76	0	-25	+73	-146	-314

CAL YR 1964	TOTAL 3,098,330	MEAN 8,465	MAX 49,300	MIN 880	MEAN* 8,599	CFSM* 1 95	IN* 26 54
MAT YR 1965:	TOTAL 1,973,635	MEAN 5,407	MAX 34,900	MIN 737	MEAN* 5,409	CFSM* 1 23	IN* 16 70

† Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir, furnished by Georgia Power Co  
‡ Adjusted for change in contents



2-2240 Rocky Creek near Dudley, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.2	3.0	4.0	58	75	160	992	69	8.0	5.6	2.7	4.8
2	5.2	3.0	4.4	54	65	190	470	58	7.2	5.2	1.8	4.8
3	5.2	3.0	4.8	36	55	160	230	51	6.8	4.8	2.5	4.8
4	4.4	3.0	4.8	30	50	140	179	47	7.6	4.8	3.7	4.4
5	3.7	3.3	4.8	29	50	120	156	44	29	6.4	4.4	4.0
6	3.7	3.3	4.8	79	50	110	186	40	17	5.2	5.2	3.7
7	3.7	4.0	6.4	100	50	95	406	37	13	5.2	4.0	4.0
8	3.7	4.8	6.4	63	48	90	396	34	16	5.6	2.5	5.2
9	3.7	5.2	4.8	51	48	120	322	30	11	8.4	2.0	4.8
10	3.7	4.0	4.8	49	46	150	193	28	13	6.0	2.0	4.8
11	3.7	4.4	8.4	46	46	340	240	30	16	4.8	1.8	5.6
12	3.3	5.2	31	45	46	1,100	766	28	32	4.0	1.1	5.2
13	3.0	6.0	60	42	46	630	644	24	25	3.3	1.3	4.8
14	3.0	6.0	26	40	44	287	294	22	32	3.3	4.5	5.2
15	3.0	6.4	55	49	44	254	200	20	22	3.3	9.6	5.6
16	2.5	6.8	60	54	44	254	161	17	13	3.3	7.2	6.0
17	2.5	6.8	46	45	75	176	144	16	11	3.3	6.0	6.4
18	2.5	6.8	41	190	152	132	162	16	8.8	3.3	4.4	6.0
19	2.5	6.8	35	94	500	142	124	15	8.4	2.7	5.6	6.4
20	2.7	6.8	28	94	1,200	134	112	14	8.0	2.0	2.3	5.2
21	2.7	6.8	25	69	800	138	101	11	20	1.6	6.2	4.8
22	2.7	6.0	23	62	400	129	95	11	16	1.3	26	4.0
23	2.7	12	23	61	300	116	91	11	13	.80	10	4.0
24	2.7	17	22	61	240	107	83	9.6	9.2	.50	10	4.0
25	2.7	8.8	20	60	180	142	83	8.4	8.0	.50	8.8	3.3
26	2.7	5.2	19	56	160	278	171	8.0	7.2	.70	12	5.8
27	2.3	4.8	20	64	140	156	136	8.0	6.8	.70	9.2	4.2
28	2.3	4.8	21	186	120	100	121	7.6	6.8	2.0	8.0	286
29	2.3	4.8	20	144	-----	107	97	8.8	7.2	15	6.4	37
30	2.3	4.4	17	120	-----	102	81	8.0	6.8	8.8	4.4	7.6
31	2.7	-----	17	90	-----	254	-----	8.0	-----	6.0	4.4	-----
TOTAL	99.0	173.2	667.4	2,074	5,112	6,454	7,385	739.4	405.8	128.40	177.4	499.4
MEAN	3.19	5.77	21.5	66.9	163	203	246	23.9	13.5	4.14	5.72	16.2
MAX	5.2	17	60	186	1,200	1,100	992	69	32	15	26	286
MIN	2.3	3.0	4.0	29	44	90	81	7.6	6.8	.50	1.1	3.3
CFSM	.05	.09	.34	1.06	2.90	3.31	3.91	.38	.22	.07	.09	.26
IN.	.06	.10	.39	1.23	3.02	3.82	4.37	.44	.24	.08	.10	.30

CAL YR 1961 TOTAL 12,290.5 MEAN 33.7 MAX 880 MIN 2.3 CFSM .54 IN 7.27  
WAT YR 1962 TOTAL 23,915.00 MEAN 65.5 MAX 1,200 MIN .50 CFSM 1.04 IN 14.14

Note --No gage-height record Jan 30 to Mar 13

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.8	3.0	13	26	121	108	42	182	21	30	7.0	1.7
2	4.4	2.5	12	27	110	120	40	63	12	20	5.8	1.8
3	6.0	2.3	12	25	174	101	38	42	9.1	15	4.6	1.4
4	9.6	1.8	11	24	168	94	36	33	7.4	12	3.7	1.4
5	11	2.0	11	23	124	97	32	27	6.7	9.5	3.3	1.3
6	16	2.0	10	24	115	157	36	22	5.7	8.3	3.0	1.4
7	16	2.3	9.6	25	107	142	127	18	5.3	9.6	2.7	1.4
8	15	3.0	11	25	96	102	88	16	5.3	20	2.4	1.6
9	12	20	11	23	87	92	57	16	4.1	19	2.2	1.4
10	11	30	11	22	82	90	47	13	3.8	18	2.3	1.3
11	11	26	11	23	203	84	39	10	3.6	17	2.2	1.3
12	10	20	11	52	669	83	34	9.5	3.1	11	2.0	1.2
13	6.8	28	11	59	378	117	34	9.7	2.9	7.5	2.2	1.1
14	6.4	17	9.6	46	192	114	27	24	3.5	6.1	2.1	1.2
15	6.4	11	9.6	36	152	92	24	53	2.8	6.1	1.9	3.4
16	6.0	9.2	8.8	32	131	81	22	27	2.3	8.0	1.9	3.1
17	5.2	6.8	9.6	31	120	79	21	17	5.3	12	1.9	1.9
18	4.4	5.6	10	49	113	79	19	12	7.6	15	1.9	1.7
19	3.7	4.8	9.6	79	198	73	18	9.2	16	9.4	2.7	1.8
20	3.0	4.4	9.8	274	255	83	16	9.8	21	8.6	4.1	1.7
21	5.6	4.8	10	690	154	79	15	25	12	13	5.4	1.6
22	13	14	11	375	123	61	14	21	13	12	3.8	1.7
23	9.6	17	12	187	109	56	13	14	38	7.5	3.0	1.5
24	8.8	13	11	154	173	55	11	10	22	7.2	2.7	1.2
25	8.8	8.8	11	129	222	54	10	8.8	41	13	2.4	1.1
26	7.2	5.6	13	126	147	60	14	7.8	105	11	2.1	1.0
27	5.2	6.4	13	122	121	71	14	7.7	69	8.4	1.9	.90
28	4.0	10	12	104	107	59	12	8.3	60	9.3	2.0	3.8
29	3.7	13	28	93	-----	52	18	30	41	13	2.0	5.3
30	3.7	13	46	112	-----	46	111	35	37	6.6	1.9	20
31	3.3	-----	30	146	-----	44	-----	22	-----	6.4	1.8	-----
TOTAL	241.6	305.3	408.6	3,163	4,751	2,627	1,029	802.8	586.5	369.5	88.9	118.90
MEAN	7.79	10.2	13.2	102	170	84.7	34.3	25.9	19.6	11.9	2.87	3.96
MAX	16	30	46	690	669	157	127	105	41	30	7.0	5.3
MIN	3.0	1.8	8.8	22	82	44	10	7.7	2.3	6.1	1.8	.90
CFSM	.12	.16	.21	1.62	2.70	1.35	.55	.41	.31	.19	.05	.06
IN.	.14	.18	.24	1.87	2.81	1.55	.61	.47	.35	.22	.05	.07

CAL YR 1962 TOTAL 23,930.90 MEAN 65.6 MAX 1,200 MIN .50 CFSM 1.04 IN 14.15  
WAT YR 1963 TOTAL 14,492.10 MEAN 39.7 MAX 690 MIN .90 CFSM .63 IN 8.57



## 2-2240 Rocky Creek near Dudley, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8.4	2.7	9.5	61	186	179	93	130	19	17	539	16
2	5.9	3.6	7.8	52	177	212	89	382	16	57	212	13
3	4.6	4.1	7.2	36	134	982	85	1,520	14	33	115	12
4	4.1	4.3	6.7	31	118	653	92	716	13	21	86	11
5	3.6	4.3	6.4	29	118	455	88	312	13	20	102	11
6	3.1	4.6	6.4	28	178	373	136	208	13	16	123	10
7	3.1	4.6	6.4	38	168	237	346	165	18	13	79	9.8
8	4.3	4.3	6.7	45	195	192	450	141	16	12	60	9.7
9	2.9	3.8	7.0	153	189	177	1,110	124	13	11	52	8.7
10	2.7	3.8	7.2	268	140	171	373	111	12	15	52	8.5
11	2.5	3.8	6.7	197	153	151	228	98	12	20	92	11
12	2.7	3.8	15	235	163	134	182	87	19	172	29	
13	2.7	3.6	23	34	177	124	162	80	74	49	206	48
14	2.7	3.1	35	225	183	121	200	73	30	45	122	29
15	2.5	3.1	24	137	188	170	221	65	22	27	76	17
16	2.5	3.1	15	124	205	297	164	58	16	19	64	14
17	2.5	3.4	12	237	177	129	54	177	19	57	12	
18	2.5	3.8	11	515	719	145	114	49	13	91	48	11
19	2.3	3.8	9.8	355	1,190	126	104	44	12	172	40	11
20	2.3	4.1	9.8	385	426	124	94	40	12	144	33	9.2
21	2.3	3.8	9.5	548	235	117	86	39	12	151	29	8.6
22	2.3	3.8	9.2	255	188	106	79	63	11	262	37	8.4
23	2.3	5.1	16	172	164	98	75	51	12	342	59	9.1
24	2.3	7.8	23	156	148	97	68	38	17	183	43	7.7
25	2.5	6.7	15	300	173	121	86	33	19	134	33	7.0
26	2.9	5.9	13	565	229	252	131	29	29	97	25	6.6
27	2.9	8.6	12	285	190	258	228	24	65	81	19	6.7
28	3.1	14	11	185	286	148	773	20	34	80	17	7.1
29	2.9	13	11	151	274	124	295	17	19	76	21	7.1
30	2.7	13	9.8	132	-----	106	163	17	15	165	29	7.1
31	2.5	-----	19	131	-----	95	-----	19	-----	130	21	-----
TOTAL	95.2	157.2	381.1	6,408	7,026	6,746	6,653	4,807	643	2,519	2,663	376.3
MEAN	3.07	5.24	12.3	207	242	218	222	155	21.4	81.3	85.9	12.5
MAX	8.4	14	35	565	1,190	982	1,110	1,520	74	342	539	48
MIN	2.3	2.7	6.4	28	118	95	68	11	11	17	16	5.6
CFSM	-.05	-.08	-.20	3.29	3.85	3.46	3.53	2.47	-.34	1.29	1.37	-.20
IN.	-.06	-.09	-.23	3.79	4.15	3.99	3.93	2.84	-.38	1.49	1.57	-.22
CAL YR 1963: TOTAL	14,170.10			MEAN 38.8	MAX 690	MIN -.90	CFSM -.62	IN 8.38				
WAT YR 1964: TOTAL	30,474.8			MEAN 105	MAX 1,520	MIN 2.3	CFSM 1.67	IN 22.75				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.3	14	20	122	66	135	180	28	9.2	27	28	4.6
2	9.0	14	19	122	82	169	145	25	8.9	19	20	9.8
3	15	14	116	40	116	205	128	22	8.6	40	16	5.6
4	27	13	47	105	68	152	172	19	9.2	16	13	24
5	79	13	99	92	62	138	241	18	8.6	99	11	14
6	98	13	78	89	67	137	207	16	8.4	62	12	15
7	37	13	53	86	202	126	156	15	8.6	62	11	11
8	22	43	43	82	149	82	134	15	140	56	10	7.0
9	17	13	39	79	106	114	120	15	53	36	13	5.6
10	15	13	38	80	95	106	107	14	27	26	13	5.4
11	14	13	34	91	88	99	97	51	21	27	11	8.6
12	12	13	42	78	106	145	92	28	54	52	28	8.9
13	11	13	74	71	335	277	89	17	74	43	47	6.4
14	45	14	60	68	386	178	76	14	35	28	22	6.1
15	136	14	46	68	392	141	69	13	67	31	14	5.9
16	93	15	42	75	241	124	70	12	192	72	11	5.6
17	56	14	38	69	512	116	63	11	101	45	9.8	9.8
18	40	14	42	63	1,290	209	57	11	84	27	8.6	9.5
19	30	14	42	60	662	215	56	11	55	19	7.5	9.5
20	25	52	42	58	302	286	82	9.5	40	16	6.7	8.4
21	22	57	69	57	224	258	71	9.0	30	16	6.7	7.0
22	20	31	59	55	193	164	63	9.0	23	13	7.2	6.7
23	19	22	53	59	170	188	56	9.0	19	12	7.5	7.5
24	18	26	49	185	171	782	48	8.5	17	11	5.9	7.5
25	17	50	173	184	254	446	43	8.5	28	11	5.9	9.8
26	17	49	535	121	201	247	47	8.5	88	9.5	5.4	9.5
27	16	34	486	100	153	218	52	9.0	56	9.5	4.8	7.2
28	16	28	256	81	143	190	47	13	40	9.5	5.6	6.7
29	16	27	174	74	-----	166	40	20	29	99	5.4	11
30	16	24	147	73	-----	160	32	14	24	102	5.1	17
31	15	-----	134	74	-----	159	-----	10	-----	44	4.6	-----
TOTAL	980.3	657	3,052	2,727	6,800	6,175	2,840	483.0	1,358.5	1,114.5	376.7	321.0
MEAN	31.6	21.9	98.5	88.0	243	199	94.7	15.6	45.3	36.0	12.2	10.7
MAX	136	57	535	185	1,290	782	241	51	192	102	47	56
MIN	7.3	13	19	55	62	99	32	8.5	8.4	9.5	4.6	4.6
CFSM	-.50	-.57	1.57	1.40	3.86	3.17	1.51	-.25	-.72	-.57	-.19	-.19
IN.	-.58	-.39	1.80	1.61	4.02	3.65	1.68	-.29	-.80	-.66	-.22	-.19
CAL YR 1964: TOTAL	42,530.6			MEAN 116	MAX 1,520	MIN 4.6	CFSM 1.89	IN 23.88				
WAT YR 1965: TOTAL	26,885.0			MEAN 73.7	MAX 1,290	MIN 4.6	CFSM 1.17	IN 19.80				

Location --Lat 32°04', long 82°11', on downstream side of pier near center of span of bridge on State Highway 56, half a mile downstream from Brazells Creek, 1½ miles downstream from Rocky Creek, ¾ miles west of Reidsville, Tattnall County, 6 miles downstream from Pendleton Creek and 14 miles upstream from mouth

Records available --April 1903 to December 1907, April 1937 to September 1965 Monthly discharge  
only for some periods. published in WSP 1304

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 19, 1961	11,000	18 1	Nov 8, 1960	41	-
1962	Mar 17, 1962	8,250	16 5	Sept 15, 16, 1962	50	-
1963	Jan 28, 1963	3,820	12 5	Sept 13, 1963	49	-
1964	Mar 6, 1964	10,300	17 7	Nov 1, 1963	52	-
1965	Feb 20, 1965	14,400	19 71	Sept 15, 1965	71	-

Maximum stage known, 28.4 ft in January 1925, from information furnished by Georgia State Highway Department (discharge, 47,000 cfs)

Revisions (water years) --WSP 822    Drainage area    WSP 892    1939(M)    WSP 1504    1905

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	59	50	54	90	222	1,950	898	2,190	1,180	662	120	2,930
2	57	50	54	98	215	2,230	1,000	2,230	1,120	640	120	2,880
3	58	46	54	114	200	2,400	1,120	2,070	924	538	115	2,450
4	66	48	55	120	197	2,320	1,210	1,670	756	437	114	2,030
5	70	43	54	122	198	2,270	1,340	1,790	706	428	133	1,720
6	64	42	50	120	198	2,230	1,500	1,910	618	446	161	1,470
7	59	42	45	113	253	2,190	1,870	1,950	519	393	208	1,270
8	56	41	45	105	359	2,070	2,600	1,750	419	399	253	1,240
9	53	47	100	446	1,870	2,930	3,110	1,540	350	261	240	1,040
10	52	42	47	94	482	1,640	2,990	1,340	293	342	245	1,210
11	50	44	49	82	500	1,470	2,660	1,210	261	269	253	1,150
12	52	50	56	79	482	1,370	2,500	1,120	269	222	245	1,030
13	51	52	54	91	546	1,240	2,930	1,120	317	230	215	924
14	54	52	53	124	446	1,120	3,820	1,120	325	393	245	774
15	52	50	56	178	402	1,030	4,840	1,150	301	428	285	750
16	52	50	62	222	376	950	6,560	1,210	261	384	245	706
17	59	67	200	350	872	8,410	1,270	1,270	276	231	640	238
18	56	58	76	190	334	846	10,300	1,400	269	342	245	557
19	55	68	87	176	368	846	10,800	1,300	277	317	208	576
20	52	65	87	170	482	872	10,300	1,270	277	293	200	822
21	50	60	88	161	576	1,030	9,220	1,120	293	301	261	750
22	49	57	83	161	684	1,340	6,840	898	301	301	384	640
23	47	56	80	158	798	1,570	4,760	822	293	261	500	618
24	47	55	80	150	1,000	1,680	3,610	750	293	230	662	662
25	46	52	80	145	1,180	1,640	2,930	684	261	230	898	576
26	46	50	80	149	1,370	1,500	2,450	662	245	230	1,120	455
27	46	54	79	170	1,610	1,340	2,150	728	238	222	1,610	368
28	46	59	75	208	1,790	1,150	2,110	750	238	194	2,110	309
29	45	58	74	222	-----	950	2,070	774	317	172	2,230	269
30	45	57	76	238	-----	822	2,110	924	596	150	2,190	245
31	46	-----	79	238	-----	798	-----	1,090	-----	133	2,660	-----
TOTAL	1,637	1,542	2,026	4,578	15,982	45,606	119,008	39,912	12,788	10,291	18,726	31,261
MEAN	52.8	51.4	65.4	148	571	1,471	3,967	1,287	426	332	604	1,042
MAX	70	68	88	238	1,790	2,400	10,800	2,230	1,180	662	2,660	2,930
MIN	45	43	45	82	197	798	898	519	261	112	215	924
CFSM	.05	.05	.06	.13	.51	1.33	3.57	1.16	.38			

CAL YR 1960	TOTAL 468,500	MEAN 1,280	MAX 14,300	MIN 41	CFSM 1.15	IN 15.70
WAT YR 1961.	TOTAL 303,357	MEAN 831	MAX 10,800	MIN 41	CFSM .75	IN 10.16

## 2-2255 Ochopee River near Reidsville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	215	59	116	557	2,320	2,190	2,930	1,430	238	325	140	70
2	197	104	59	596	2,550	2,230	3,470	1,830	261	245	120	65
3	182	87	102	640	2,600	2,550	3,410	2,030	301	200	112	65
4	166	56	99	640	2,450	3,050	3,610	1,950	368	166	105	65
5	155	55	96	640	2,270	3,900	3,900	1,750	334	174	108	61
6	138	54	94	706	2,030	4,760	4,050	1,430	285	230	97	58
7	127	54	94	872	1,840	4,680	3,610	1,090	238	215	92	61
8	122	53	93	950	1,680	4,360	3,610	866	215	238	88	61
9	114	52	92	1,000	1,540	4,050	3,230	706	200	325	83	58
10	108	52	93	1,030	1,400	3,750	3,230	596	245	325	78	55
11	103	53	98	1,090	1,300	3,470	3,470	519	301	285	74	52
12	98	56	108	1,180	1,210	3,170	3,750	464	317	215	69	53
13	92	59	179	1,180	1,150	2,990	3,820	419	410	173	66	55
14	90	62	293	1,180	1,090	3,230	3,900	384	519	147	64	53
15	86	64	402	1,180	1,000	4,280	4,200	359	728	132	64	52
16	80	62	618	1,150	976	6,060	5,180	334	872	124	62	52
17	77	68	822	1,150	1,000	8,090	5,590	309	798	124	61	55
18	79	69	872	1,090	1,030	7,450	5,000	285	662	142	60	61
19	80	69	846	1,030	1,270	5,480	4,200	253	596	200	61	61
20	80	72	822	976	1,720	4,360	3,410	222	538	402	61	60
21	79	72	774	976	1,950	3,610	2,820	208	464	500	61	61
22	77	74	750	976	1,990	3,110	2,360	196	419	419	64	71
23	76	92	728	1,000	2,070	2,710	2,070	184	376	350	66	72
24	72	112	728	1,060	2,150	2,400	1,870	166	317	261	72	71
25	70	114	684	1,090	2,270	2,270	1,680	149	261	194	75	71
26	67	132	640	1,120	2,400	2,110	1,500	141	238	160	75	75
27	64	135	618	1,150	2,450	2,070	1,340	132	230	144	79	90
28	62	132	596	1,430	2,360	2,070	1,240	125	261	143	83	100
29	62	127	596	1,630	2,110	2,110	1,180	137	384	160	75	105
30	60	120	596	2,030	2,190	2,190	1,180	158	410	230	69	112
31	59	-----	557	2,190	-----	2,320	-----	185	-----	173	72	-----
TOTAL	3,137	2,294	13,310	33,689	50,056	111,030	94,810	18,987	11,786	7,121	2,456	2,001
MEAN	101	76.5	429	1,087	1,788	3,562	3,160	612	393	230	79.2	66.7
MAX	215	135	872	2,190	2,600	8,090	5,590	2,030	872	500	140	112
MIN	59	52	92	557	976	2,070	1,180	125	200	124	60	52
CFSM	.09	.07	.39	.98	1.61	3.23	2.85	.55	.35	.21	.07	.06
IN.	.11	.08	.45	1.13	1.68	3.72	3.18	.64	.39	.24	.08	.07
CAL YR 1961	TOTAL	316,893	MEAN	868	MAX	10,800	MIN	52	CFSM	.78	IN	10.62
WAT YR 1962	TOTAL	350,677	MEAN	961	MAX	8,090	MIN	52	CFSM	.67	IN	11.75

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	114	186	342	350	2,360	2,990	706	230	500	1,540	419	87
2	118	172	334	428	2,230	2,820	684	350	376	1,370	482	77
3	121	160	325	500	2,190	2,550	640	446	301	1,270	437	70
4	131	149	309	538	2,190	2,400	618	500	245	1,180	384	64
5	155	142	293	538	2,270	2,400	576	519	208	924	359	59
6	238	135	285	500	2,400	2,190	538	500	191	684	342	59
7	376	126	269	482	2,600	2,030	538	464	191	557	342	71
8	538	121	261	464	2,710	1,870	596	455	176	464	325	102
9	662	127	261	464	2,660	1,790	684	419	153	402	285	97
10	576	123	269	464	2,500	1,720	774	359	135	350	230	76
11	482	130	269	446	2,360	1,680	822	301	160	384	198	62
12	455	157	285	419	2,360	1,640	822	253	222	557	170	55
13	464	200	285	402	2,400	1,570	798	200	222	750	147	52
14	500	230	285	402	2,360	1,610	728	179	186	774	131	83
15	500	230	269	428	2,360	1,750	640	180	155	640	115	147
16	464	222	261	464	2,400	1,720	576	190	130	538	108	119
17	402	215	261	538	2,400	1,680	500	192	114	557	101	93
18	350	200	253	576	2,400	1,640	455	188	122	464	98	103
19	309	197	245	596	2,600	1,540	410	167	170	455	96	140
20	261	191	238	706	2,660	1,430	376	152	245	455	98	133
21	230	188	230	976	2,900	1,370	334	166	376	519	124	112
22	215	194	222	1,300	2,320	1,340	301	190	393	640	161	120
23	198	215	222	1,680	2,230	1,300	261	179	618	774	151	124
24	196	245	222	2,270	2,320	1,270	230	238	1,000	684	128	105
25	208	301	230	3,170	2,710	1,210	208	253	1,300	500	112	101
26	230	368	238	3,610	2,930	1,150	188	222	1,570	402	103	102
27	238	402	245	3,750	1,090	1,090	169	182	1,950	359	111	88
28	230	402	238	3,820	2,990	1,030	158	160	2,550	334	140	81
29	230	376	245	3,470	-----	950	150	192	2,360	334	167	218
30	215	350	261	3,050	-----	846	165	412	1,910	359	130	464
31	200	-----	301	2,600	-----	774	-----	618	-----	393	103	-----
TOTAL	9,604	6,454	8,253	39,401	69,400	51,220	14,645	9,056	18,231	19,613	6,227	3,264
MEAN	310	215	265	1,271	2,240	1,652	468	292	598	632	203	109
MAX	662	402	342	3,820	2,990	2,990	822	618	2,550	1,540	482	464
MIN	114	121	222	350	2,190	774	150	152	114	334	96	52
CFSM	.28	.19	.24	1.15	2.23	1.49	.44	.26	.55	.57	.18	.10
IN.	.32	.22	.28	1.32	2.33	1.72	.49	.30	.61	.66	.21	.11
CAL YR 1962	TOTAL	356,247	MEAN	976	MAX	8,090	MIN	52	CFSM	.88	IN	11.94
WAT YR 1963	TOTAL	255,438	MEAN	700	MAX	3,820	MIN	52	CFSM	.63	IN	8.56

## 2-2255 Ohoospee River near Reidsville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	455	52	95	576	1,900	5,280	3,170	2,070	261	140	3,470	2,500
2	482	54	110	706	1,900	5,280	2,710	2,230	245	200	3,750	3,050
3	519	55	130	750	1,300	5,940	2,400	7,990	222	340	3,540	2,990
4	446	54	160	798	1,000	7,290	2,150	4,840	208	500	3,350	2,550
5	342	57	170	872	1,100	8,730	1,990	7,140	185	600	3,110	2,070
6	269	71	190	950	1,200	10,100	1,870	7,770	176	460	2,710	1,570
7	222	76	180	976	1,300	9,580	1,910	6,440	176	320	2,230	1,210
8	200	74	170	1,030	1,400	8,090	2,030	5,180	261	200	1,830	976
9	185	69	160	1,180	1,500	6,700	2,230	4,520	455	130	1,540	798
10	162	66	150	1,500	2,000	5,360	2,820	3,750	482	160	1,370	706
11	145	64	140	1,830	2,400	4,600	3,540	3,040	419	220	1,340	706
12	133	61	150	2,450	3,000	4,050	3,750	2,550	376	280	1,270	950
13	122	59	160	4,520	3,200	3,610	4,200	2,110	309	320	1,270	1,430
14	112	56	170	7,610	3,110	3,350	4,760	1,870	253	360	1,300	1,750
15	103	56	190	8,000	2,990	3,110	4,600	1,610	277	360	1,300	1,870
16	96	57	260	6,500	2,930	3,050	3,900	1,370	317	300	1,430	1,910
17	90	57	440	5,500	2,880	3,050	3,350	1,210	342	380	1,640	1,950
18	84	56	500	4,400	3,290	3,050	3,050	1,060	359	550	1,640	1,790
19	82	55	500	3,600	4,600	3,110	2,760	924	309	800	1,500	1,940
20	60	55	538	3,000	6,060	3,230	2,450	822	238	1,200	1,370	1,370
21	76	55	550	2,600	7,450	3,290	2,230	728	191	1,800	1,300	1,210
22	74	56	500	2,000	8,250	3,110	2,030	662	161	2,710	1,240	1,090
23	71	58	500	1,700	7,770	2,880	1,790	596	146	3,410	1,210	898
24	59	58	500	1,400	6,840	2,660	1,610	557	150	3,820	1,270	728
25	66	58	550	1,700	5,590	2,450	1,430	500	137	4,920	1,300	618
26	65	59	550	2,800	4,440	2,450	1,270	464	160	6,180	1,270	538
27	65	61	557	3,600	4,360	2,600	1,210	437	340	6,060	1,240	464
28	62	65	538	4,000	4,600	3,170	1,370	410	519	5,380	1,150	419
29	58	70	538	3,400	5,090	4,360	1,720	340	460	4,600	1,240	384
30	55	60	538	2,800	-----	4,520	1,990	375	220	3,900	1,790	359
31	53	-----	538	2,400	-----	3,750	-----	285	-----	3,410	2,110	-----
TOTAL	5,045	1,824	10,422	85,148	103,450	141,840	76,290	68,828	8,234	54,010	56,080	40,394
MEAN	163	60.8	336	2,747	3,352	4,575	2,461	2,219	272	1,742	1,805	1,346
MAX	519	80	557	8,000	8,250	10,100	6,760	7,770	519	6,180	3,750	3,050
MIN	53	52	95	576	1,000	2,450	1,210	285	137	130	1,150	359
CFSM	.15	.05	.30	2.47	3.21	4.12	2.29	2.00	.25	1.57	1.63	1.21
IN.	.17	.06	.35	2.85	3.47	4.75	2.56	2.31	.28	1.81	1.88	1.35

CAL YR 1963. TOTAL 248,418 MEAN 6.81 MAX 3,820 MIN 52 CFSM .61 IN 8.32  
WAT YR 1964. TOTAL 651,545 MEAN 1,780 MAX 10,100 MIN 52 CFSM 1.60 IN 21.83

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	482	1,150	596	3,050	2,230	4,050	5,370	1,370	128	277	293	136
2	950	1,090	557	3,350	2,100	3,800	4,740	1,150	125	238	222	128
3	1,090	1,000	557	3,290	1,980	3,710	4,330	1,000	120	238	165	160
4	2,410	950	1,020	2,880	1,860	3,690	4,150	898	119	269	140	134
5	3,470	898	2,190	2,500	1,690	3,770	4,100	798	118	269	131	113
6	3,410	846	2,500	2,230	1,560	3,970	4,010	706	111	245	135	104
7	2,600	822	2,360	2,030	1,780	3,950	3,790	684	105	238	158	104
8	2,030	774	2,420	1,870	2,120	3,750	3,550	576	102	245	169	109
9	1,720	728	2,400	1,720	2,310	3,530	3,320	500	124	277	169	100
10	1,610	662	2,400	1,640	2,470	3,330	3,080	446	198	446	222	91
11	1,400	640	2,190	1,540	2,740	3,150	2,850	393	184	538	238	83
12	1,180	640	1,910	1,470	2,870	3,010	2,620	342	215	455	285	79
13	1,030	596	1,680	1,430	3,130	3,230	2,420	301	293	455	428	76
14	950	557	1,720	1,370	3,690	3,480	2,190	269	277	557	437	74
15	1,300	557	1,950	1,340	4,170	3,520	1,990	245	261	557	410	74
16	2,760	538	2,110	1,300	4,510	3,520	1,790	222	334	437	446	92
17	4,050	538	2,070	1,270	5,310	3,450	1,640	200	482	342	428	89
18	4,520	538	1,870	1,210	8,410	3,420	1,470	185	538	277	342	88
19	4,520	538	1,610	1,150	11,300	3,430	1,340	165	498	238	269	94
20	4,200	538	1,430	1,120	13,800	3,680	1,370	155	464	208	215	98
21	3,820	596	1,370	1,060	13,600	4,270	1,540	253	465	178	184	84
22	3,350	596	1,370	1,000	11,300	4,360	1,610	285	505	155	176	78
23	2,930	576	1,370	976	8,870	4,130	1,570	277	631	142	160	77
24	2,600	557	1,370	1,150	6,800	4,100	1,470	230	760	131	142	82
25	2,320	576	1,400	1,570	5,570	4,220	1,400	186	774	123	136	112
26	2,070	640	1,470	1,910	5,140	4,590	1,430	161	662	126	123	123
27	1,830	684	1,720	2,030	4,810	5,300	1,680	156	596	128	112	113
28	1,640	706	2,070	2,190	4,410	5,960	1,910	142	519	121	114	116
29	1,470	684	2,270	2,320	-----	6,220	1,870	135	419	185	147	130
30	1,340	640	2,500	2,270	-----	6,180	1,610	135	334	359	167	157
31	1,240	-----	2,760	2,320	-----	6,150	-----	130	-----	301	162	-----
TOTAL	70,292	20,855	55,110	56,556	140,530	127,120	76,210	12,699	10,467	8,755	6,925	3,098
MEAN	2,267	695	1,778	1,824	5,019	4,101	2,540	349	282	223	223	103
MAX	4,520	1,150	2,760	3,350	13,800	6,380	5,370	1,370	774	557	446	160
MIN	482	538	557	976	1,560	3,010	1,340	130	102	121	112	74
CFSM	2.04	.63	1.60	1.64	4.52	3.69	2.29	.37	.31	.25	.20	.09
IN.	2.36	.70	1.85	1.89	4.71	4.26	2.55	.43	.35	.29	.23	.10

CAL YR 1964 TOTAL 780,511 MEAN 2,133 MAX 10,100 MIN 130 CFSM 1.92 IN 26.15  
WAT YR 1965 TOTAL 588,613 MEAN 1,613 MAX 13,800 MIN 74 CFSM 1.45 IN 19.72

## ALTAMAHA RIVER BASIN

2-2260 Altamaha River at Doctortown, Ga

Location --Lat 31°39', long 81°50', on right bank 60 ft downstream from Atlantic Coast Line Railroad bridge at Doctortown, Wayne County, 4½ miles northeast of Jesup, and at mile 59 4

Drainage area --13,600 sq mi, approximately

Records available --October 1931 to September 1965 Gage-height records collected at same site since 1925 are contained in reports of U S Weather Bureau

Gage --Digital water-stage recorder Datum of gage is 28 48 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Dec 5, 1934, staff gage and Dec 5, 1934, to May 6, 1965, graphic water-stage recorder at same site and datum

Average discharge --34 years, 13,420 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following Table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Mar 10, 11, 1961	81,400	9 6	Nov 5, 1960	2,900	-
1962	Mar 9-11, 1962	53,700	8 4	Nov 3-5, 1961	2,400	-
1963	Feb 4, 5, 1963	53,700	8 4	Sept 19, 20, 1963	2,900	-
1964	Apr 20, 21, 1964	79,000	9 9	Nov 9, 10, 1963	2,900	-
1965	Feb 23, 24, 1965	66,000	9 3	Sept 24, 1965	4,030	-

1931-65 Maximum discharge, 178,000 cfs Apr 18, 1936 (gage height, 12 03 ft), minimum, 1,430 cfs Oct 27, 28, Nov 1, 1954

Maximum stage known since at least 1800, 14 6 ft Jan 23, 1925 (discharge, 300,000 cfs, from rating curve extended above 180,000 cfs)

Remarks --Records good

Revisions (water years) --WSP 822 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,230	3,340	3,340	3,890	6,320	15,000	18,000	41,100	16,400	10,000	6,090	15,000
2	3,890	3,230	3,230	4,330	6,320	16,400	16,400	36,700	15,700	10,400	5,870	16,400
3	4,880	3,230	3,120	4,770	5,980	18,000	15,700	34,000	15,700	11,000	5,430	17,200
4	5,650	3,120	3,230	4,880	5,760	20,500	16,400	31,400	14,300	11,400	5,100	18,000
5	6,200	3,010	3,340	4,880	5,650	26,700	16,400	29,000	13,100	11,400	4,990	18,800
6	6,320	3,120	3,450	4,660	5,650	42,700	17,200	26,700	12,100	10,700	5,100	18,800
7	5,980	3,560	3,560	4,550	5,980	62,200	18,000	25,600	11,400	10,200	5,100	18,800
8	5,760	3,780	3,450	4,660	6,200	71,400	18,800	25,600	10,700	9,800	4,770	18,000
9	5,760	4,000	3,230	4,770	6,440	78,800	19,600	25,600	9,800	9,600	4,770	15,700
10	5,760	3,780	3,010	4,880	6,720	81,400	23,400	26,700	8,800	9,600	4,990	15,000
11	5,540	3,450	3,230	4,990	7,220	81,400	29,000	26,700	8,200	9,800	5,320	13,700
12	5,100	3,340	3,780	4,770	7,800	76,300	36,700	25,600	7,800	9,600	6,090	12,600
13	4,770	3,890	4,220	4,440	8,000	69,000	42,700	25,600	6,720	9,000	6,720	11,400
14	4,550	4,110	4,440	4,660	7,600	62,200	46,000	24,500	6,200	7,800	7,220	10,700
15	4,220	4,000	4,220	4,880	7,040	53,700	49,700	24,500	6,200	7,040	7,400	10,000
16	4,220	3,670	3,890	4,880	6,440	46,000	55,800	22,400	5,980	7,220	7,400	9,400
17	4,220	3,340	4,110	4,770	6,090	39,600	57,900	21,400	6,320	7,600	7,040	9,000
18	4,440	3,230	4,440	4,660	5,650	36,700	60,000	20,500	7,040	8,200	6,720	8,800
19	4,660	3,120	4,770	4,660	5,540	34,000	60,000	20,500	7,400	8,800	6,320	8,200
20	4,950	3,010	4,990	4,660	5,540	30,200	60,000	20,500	7,600	9,400	5,870	7,800
21	4,220	3,010	5,100	4,990	5,760	29,000	60,000	20,500	7,600	9,400	5,540	7,600
22	4,000	3,010	4,660	5,210	6,320	27,800	60,000	20,500	7,040	9,200	5,540	7,220
23	4,110	3,230	4,110	5,100	7,400	27,800	60,000	21,400	6,440	9,400	5,650	6,880
24	4,110	3,230	4,110	5,100	9,000	27,800	60,000	22,400	6,320	9,400	5,980	6,720
25	4,000	3,120	4,330	5,320	10,200	27,800	57,900	21,400	6,720	9,600	6,440	6,880
26	3,890	3,010	4,440	5,320	11,400	27,800	57,900	20,500	7,800	9,800	7,600	7,220
27	3,890	3,120	4,440	5,210	12,600	26,700	55,800	19,600	8,800	9,200	8,800	7,600
28	3,560	3,230	4,440	5,210	13,700	25,600	51,700	18,000	9,600	7,800	9,800	7,040
29	3,340	3,340	4,110	5,320	-----	23,400	47,800	17,200	10,000	6,580	11,000	6,320
30	3,340	3,450	3,780	5,650	-----	21,400	44,300	17,200	10,000	6,200	12,100	5,980
31	3,450	-----	3,780	5,980	-----	19,600	-----	16,400	-----	6,200	13,700	-----
TOTAL	141,610	101,080	122,350	152,050	204,320	1,246,900	1,233,100	749,700	277,780	281,340	210,460	342,760
MEAN	4,568	3,369	3,947	4,905	7,297	40,220	41,100	24,180	9,259	9,075	6,789	11,430
MAX	6,320	4,110	5,100	5,980	13,700	81,400	60,000	41,100	16,400	11,400	13,700	18,800
MIN	3,230	3,010	3,010	3,890	5,540	15,000	15,700	16,400	5,980	6,200	4,770	5,980
CFSM	.34	.25	.29	.36	.54	2.96	3.02	1.78	.68	.67	.50	.84
IN.	.39	.28	.33	.42	.56	3.41	3.37	2.05	.76	.77	.58	.94

CAL YR 1960: TOTAL 5,836,040 MEAN 15,950 MAX 89,600 MIN 2,800 CFSM 1.17 IN 15.96  
 MAY YR 1961: TOTAL 5,063,450 MEAN 13,870 MAX 81,400 MIN 3,010 CFSM 1.02 IN 13.85

M Expressed in thousands

2-2260 Altamaha River at Doctortown, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,650	2,500	4,000	22,400	23,400	20,500	32,700	29,000	4,880	5,650	3,890	3,560
2	5,100	2,500	4,110	23,400	24,500	23,400	32,700	25,600	4,770	5,540	3,780	4,000
3	4,660	2,500	4,550	23,400	24,500	25,600	32,700	22,400	5,100	5,100	3,670	4,330
4	4,220	2,400	4,550	23,400	24,500	27,800	34,000	20,500	5,210	4,770	3,670	4,330
5	3,780	2,400	4,660	22,400	24,500	32,700	34,000	18,800	5,210	4,660	3,780	4,220
6	3,450	2,600	4,770	22,400	24,500	39,600	35,300	18,800	5,540	4,550	3,890	4,000
7	3,340	3,010	4,400	20,500	24,500	46,000	35,300	18,000	5,650	4,660	4,000	3,780
8	3,120	3,230	3,890	18,800	23,400	51,700	35,300	17,200	5,650	4,550	3,890	3,450
9	3,010	3,120	3,780	17,200	23,400	53,700	35,300	16,400	5,760	4,440	3,670	3,560
10	3,010	2,900	4,330	16,400	23,400	53,700	36,700	15,000	6,320	4,330	3,560	3,780
11	2,900	2,700	4,770	15,700	22,400	53,700	38,100	13,700	6,880	4,550	3,560	3,560
12	2,800	2,800	4,770	15,700	20,500	51,700	38,100	12,600	7,040	4,660	3,560	3,230
13	2,800	3,120	4,990	15,700	19,600	47,800	39,600	11,400	7,400	4,440	3,450	3,120
14	2,900	3,340	5,210	16,400	18,000	44,300	41,100	10,700	7,600	4,660	3,230	2,900
15	3,010	3,230	5,430	17,200	17,200	42,700	41,100	10,400	7,800	5,210	3,340	2,900
16	3,120	3,010	6,200	18,000	15,700	39,600	42,700	10,000	8,200	5,540	3,340	3,120
17	3,230	2,900	7,400	19,600	14,300	39,600	46,000	9,400	8,400	5,870	3,230	3,230
18	3,340	2,700	8,800	22,400	13,100	38,100	49,700	8,200	8,600	6,200	3,120	3,120
19	3,340	2,900	9,600	24,500	13,100	39,600	51,700	7,220	8,600	6,440	3,450	3,010
20	3,010	3,340	10,400	26,700	13,100	41,100	51,700	7,040	8,600	6,200	3,890	2,900
21	2,800	3,670	11,000	27,800	13,700	44,300	51,700	7,040	8,400	5,870	4,550	2,800
22	2,800	4,000	11,700	27,800	14,300	47,800	51,700	7,220	7,600	5,650	5,100	3,450
23	3,010	4,000	12,600	26,700	15,700	49,700	49,700	7,220	7,600	5,540	5,430	4,220
24	3,230	3,890	13,100	26,700	16,400	51,700	47,800	7,040	7,400	5,210	5,230	4,330
25	3,450	3,890	14,300	24,500	17,200	51,700	46,000	6,200	7,040	4,770	5,320	4,110
26	3,340	4,220	15,000	23,400	18,000	49,700	44,300	6,090	6,580	4,330	5,100	3,890
27	3,010	4,330	16,400	22,400	18,800	46,000	42,700	6,090	6,320	4,000	4,770	3,670
28	2,700	4,220	17,200	22,400	19,600	44,300	39,600	5,870	5,980	4,000	4,550	3,340
29	2,600	4,220	18,800	21,400	-----	39,600	36,700	5,540	5,650	4,440	4,330	3,230
30	2,600	4,220	19,600	21,400	-----	36,700	32,700	5,430	5,430	4,550	4,000	4,000
31	2,600	-----	20,500	22,400	-----	34,000	-----	5,210	-----	4,110	3,670	-----
TOTAL	101,930	97,860	280,850	669,100	541,300	1,308,444	1,226,774	371,310	201,210	154,490	124,110	107,140
MEAN	3,288	3,262	9,060	21,580	19,330	42,210	40,890	11,980	6,707	4,984	4,004	3,571
MAX	5,650	4,330	20,500	27,800	24,500	53,700	51,700	29,000	8,600	6,440	5,430	4,330
MIN	2,600	2,400	3,780	15,700	13,100	20,500	32,700	5,210	4,770	4,000	3,120	2,800
CFSM	-.24	-.24	-.67	1.59	1.42	3.10	3.01	1.88	1.49	1.37	1.29	1.24
IN.	-.28	-.27	-.77	1.83	1.48	3.58	3.35	1.02	1.05	1.42	1.34	1.29

CAL YR 1961: TOTAL 5,179,050 MEAN 14,190 MAX 81,400 MIN 2,400 CFSM 1.04 IN 14.16  
 MAY 1962: TOTAL 5,184,400 MEAN 14,200 MAX 53,700 MIN 2,400 CFSM 1.04 IN 14.18

M Expressed in thousands

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,880	3,780	9,600	6,580	39,600	30,200	26,700	5,760	9,200	29,000	12,600	4,660
2	5,100	3,450	9,800	7,800	46,000	31,400	24,500	5,870	10,000	29,000	12,100	4,440
3	5,100	3,230	9,800	8,600	51,700	31,400	21,400	6,440	10,700	29,000	11,700	4,440
4	5,100	3,120	9,800	9,000	53,700	30,200	19,600	8,000	11,400	29,000	11,700	4,660
5	4,990	3,450	9,400	9,200	53,700	29,000	18,000	9,200	11,700	29,000	12,100	4,550
6	4,550	3,890	8,800	9,200	51,700	27,800	17,200	10,000	12,600	29,000	12,100	4,110
7	4,550	4,220	7,800	9,200	47,800	26,700	16,400	10,700	14,300	31,400	11,700	3,890
8	5,320	4,000	7,400	9,400	42,700	24,500	15,700	11,400	14,300	36,000	11,000	4,000
9	6,200	3,560	7,600	9,400	39,600	22,400	15,000	12,600	18,000	36,700	10,000	4,550
10	7,040	3,450	7,600	9,000	35,300	21,400	14,300	13,700	20,500	39,600	9,200	4,770
11	7,600	3,450	7,040	8,200	34,000	20,500	14,300	15,000	20,500	42,700	8,800	4,660
12	7,400	3,450	6,580	7,800	31,400	19,600	14,300	17,200	18,800	42,700	8,600	4,220
13	7,220	3,780	6,090	8,400	30,200	19,600	14,300	19,600	16,400	41,100	7,600	3,780
14	7,400	4,330	5,540	8,200	29,000	19,600	14,300	23,400	15,000	38,100	6,580	3,560
15	7,040	4,440	5,430	7,400	27,800	18,800	15,000	26,700	12,600	35,300	6,200	3,340
16	6,320	4,220	5,540	6,880	26,700	18,800	14,300	27,800	10,200	31,400	5,870	3,230
17	5,870	4,330	5,650	6,720	25,600	18,800	13,700	27,800	8,600	27,800	5,540	3,120
18	5,210	4,440	5,540	6,880	24,500	18,800	12,600	24,500	7,400	24,500	5,540	3,010
19	4,660	4,550	5,210	7,800	24,500	18,800	11,400	20,500	7,040	20,500	5,320	2,900
20	4,440	4,440	4,770	9,000	25,600	19,600	10,400	16,400	6,880	18,000	5,100	2,900
21	4,660	4,330	4,440	10,200	26,700	20,500	9,600	13,100	7,220	16,400	5,100	3,010
22	4,770	4,220	4,220	11,000	29,000	21,400	8,600	11,000	8,400	15,700	5,100	3,230
23	4,440	4,000	4,550	12,100	30,200	23,400	7,600	9,800	10,000	15,000	4,880	3,670
24	3,890	4,220	4,770	13,100	30,200	26,700	6,880	9,000	11,400	14,300	4,990	4,110
25	3,560	5,100	4,770	15,000	30,200	31,400	6,440	8,600	13,100	14,300	4,880	4,220
26	3,560	5,870	5,100	16,400	29,000	34,000	6,320	8,600	15,700	14,300	4,770	3,890
27	3,450	6,720	5,100	18,000	29,000	35,300	6,200	8,200	19,600	13,100	4,880	3,560
28	3,450	7,800	4,770	19,600	29,000	36,700	5,980	7,220	22,400	12,600	4,990	3,340
29	3,780	8,600	4,550	22,400	-----	35,300	5,870	7,040	24,500	12,600	4,990	3,560
30	4,110	9,200	4,660	25,600	-----	34,000	5,760	7,400	27,800	12,100	4,770	3,780
31	4,110	-----	5,540	32,700	-----	30,200	-----	8,200	-----	12,600	4,660	-----
TOTAL	159,770	137,640	197,460	360,760	974,400	796,800	392,650	410,730	417,640	790,800	233,310	115,160
MEAN	5,154	4,588	6,370	11,640	34,800	25,700	13,090	13,250	13,920	25,510	7,528	3,839
MAX	7,600	9,200	9,800	32,700	53,700	36,700	26,700	27,800	27,800	42,700	12,600	4,770
MIN	3,450	3,120	4,220	6,580	24,500	18,800	5,760	5,760	6,880	12,100	4,660	2,900
CFSM	-.38	-.34	-.47	1.89	2.56	1.89	1.96	1.97	1.02	1.88	1.55	1.28
IN.	-.44	-.38	-.54	2.66	3.66	2.18	1.07	1.12	1.14	2.16	1.64	1.31

CAL YR 1962: TOTAL 5,198,630 MEAN 14,240 MAX 53,700 MIN 2,800 CFSM 1.05 IN 14.22  
 MAY 1963: TOTAL 4,987,170 MEAN 13,660 MAX 53,700 MIN 2,900 CFSM 1.00 IN 13.64

## ALTAHAMA RIVER BASIN

2-2260 Altamaha River at Doctortown, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,000	3,230	4,330	14,300	47,800	60,000	47,800	31,300	11,400	7,800	41,500	16,400
2	4,440	3,010	5,100	13,100	47,800	60,000	44,300	31,300	11,000	8,400	41,500	16,400
3	5,320	3,120	5,760	11,700	46,000	62,200	39,600	31,400	10,700	8,600	40,100	17,200
4	6,440	3,340	6,320	10,700	46,000	62,200	38,100	31,300	9,400	8,600	40,100	16,400
5	7,400	3,340	7,040	10,700	47,800	62,200	36,700	32,400	7,600	10,000	37,300	15,000
6	8,400	3,340	7,400	11,000	47,800	64,400	38,100	36,000	7,400	10,700	34,800	13,100
7	9,000	3,340	7,600	11,400	47,800	66,700	39,600	41,500	8,200	11,400	32,400	11,700
8	9,200	3,120	8,000	12,100	49,700	66,700	39,600	40,000	8,800	11,400	30,200	9,600
9	9,200	2,900	8,400	13,100	51,700	66,700	41,100	50,900	9,400	11,000	28,000	7,800
10	8,400	3,010	8,400	14,300	51,700	64,400	41,100	54,300	9,600	10,200	25,900	6,880
11	6,880	3,450	8,400	15,000	51,700	62,200	41,100	62,000	9,600	10,000	25,000	6,440
12	5,760	3,890	7,800	16,400	47,800	60,000	41,100	68,000	8,800	10,000	24,100	6,440
13	5,760	4,110	6,880	18,000	46,000	57,900	39,600	72,000	8,200	9,600	23,200	7,800
14	6,090	4,300	6,720	19,600	42,700	57,900	39,600	77,000	8,200	9,000	22,300	9,600
15	6,090	3,780	7,040	23,400	39,600	57,900	44,300	72,000	8,200	8,600	20,500	11,400
16	5,620	3,670	7,600	30,200	38,100	55,800	53,700	70,000	7,800	8,600	18,800	13,100
17	4,770	4,000	8,400	38,100	35,300	55,800	62,200	64,000	7,600	9,200	18,800	14,300
18	4,330	4,240	9,200	44,300	36,700	53,700	71,400	56,100	7,040	11,000	18,000	14,300
19	4,110	4,440	9,800	49,700	36,700	49,700	76,300	49,200	6,440	12,100	18,800	13,700
20	4,440	4,550	10,200	51,700	38,100	47,800	79,000	41,500	5,870	13,100	18,000	12,600
21	4,660	4,330	10,700	53,700	41,100	44,300	79,000	36,000	5,430	15,000	16,400	11,400
22	4,660	3,890	11,000	55,800	40,000	41,100	74,200	31,300	5,100	16,400	15,000	10,700
23	4,440	3,450	11,700	57,900	49,700	39,600	68,000	25,900	4,990	18,800	14,300	9,600
24	4,110	3,450	12,100	57,900	51,700	39,600	60,000	22,300	5,100	21,400	14,300	8,200
25	3,670	3,780	13,100	57,900	51,700	42,700	50,900	18,800	5,320	24,100	13,700	7,040
26	3,340	3,890	13,700	57,900	51,700	47,800	44,500	17,200	5,430	28,000	13,100	6,200
27	3,230	3,890	14,300	55,800	53,700	49,700	40,100	16,400	5,540	30,200	12,100	6,200
28	3,450	3,780	14,300	55,800	55,800	51,700	36,000	15,700	5,650	34,800	11,700	6,320
29	3,450	3,670	14,300	53,700	57,900	51,700	33,600	14,400	5,870	37,300	13,700	6,200
30	3,560	3,670	14,300	51,700	-----	51,700	32,400	17,600	6,720	38,700	15,700	5,760
31	-----	-----	14,300	49,700	-----	51,700	-----	11,700	-----	40,100	16,400	-----
TOTAL	167,810	109,660	294,190	1,036,6M	1,356.1M	1,705.8M	1,473.0M	1,235.3M	226,400	504,100	715,700	317,780
MEAN	5,413	3,655	9,490	33,440	46,760	55,030	49,100	39,850	7,547	16,260	23,090	10,590
MAX	9,200	4,550	14,300	57,900	57,900	66,700	79,000	72,000	11,400	40,100	41,500	17,200
MIN	5,230	2,900	4,330	10,700	35,300	39,600	32,400	11,760	4,990	7,600	11,700	5,760
CFSM	40	27	70	246	344	405	361	293	55	120	170	78
IN.	.46	.30	.86	2.83	3.71	4.66	4.03	3.38	.62	1.38	1.96	.87
CAL YR 1963	TOTAL	5,063,960	MEAN	13,870	MAX	53,700	MIN	2,900	CFSM	1.02	IN	13.85
MAT YR 1964	TOTAL	9,424,440	MEAN	24,980	MAX	79,000	MIN	2,900	CFSM	1.84	IN	23.00

M Expressed in thousands

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,100	14,300	10,200	24,100	20,500	56,100	52,600	17,200	5,750	18,600	6,200	5,610
2	4,880	13,100	10,700	25,900	20,500	56,100	54,300	17,200	5,610	16,600	6,680	5,320
3	5,540	12,100	11,000	26,900	21,400	52,600	54,300	16,400	5,360	14,000	7,430	5,200
4	6,440	11,400	13,100	30,200	20,500	50,900	54,300	16,400	5,210	11,800	8,320	5,290
5	8,000	10,200	17,200	38,700	20,500	47,800	52,600	16,400	5,360	10,400	9,210	5,270
6	9,800	9,000	18,800	49,200	19,600	44,500	52,600	16,400	5,280	9,460	9,760	4,980
7	12,100	9,200	20,500	56,100	18,800	43,000	50,900	16,200	4,880	8,630	9,750	4,580
8	13,700	8,400	22,300	60,000	18,800	41,500	49,200	15,900	4,880	7,960	9,440	4,460
9	15,000	8,800	23,200	60,000	19,600	40,100	47,600	15,000	5,100	7,460	9,250	4,460
10	15,700	9,000	23,200	56,100	21,400	37,300	44,500	13,600	4,900	6,940	8,470	4,370
11	15,700	8,400	23,200	50,900	23,200	36,000	43,000	12,300	4,670	6,670	8,070	4,290
12	15,700	7,600	22,300	44,500	25,000	34,800	40,100	11,000	5,180	7,140	7,570	4,970
13	15,700	6,580	21,400	38,700	26,900	34,800	37,300	9,530	6,100	7,720	6,860	4,970
14	16,400	6,880	20,500	34,800	28,000	33,600	34,800	7,880	6,870	8,340	7,150	5,210
15	18,000	7,600	20,500	31,300	29,100	32,400	32,400	7,020	7,540	8,870	7,630	5,570
16	19,600	7,600	19,600	29,100	30,200	32,400	31,300	6,760	8,450	9,250	7,830	5,770
17	23,200	7,600	20,500	25,900	33,600	32,400	29,100	6,700	9,640	9,890	7,820	5,510
18	29,100	7,600	21,400	25,000	36,000	33,600	28,000	6,650	10,700	10,500	7,790	5,130
19	34,800	7,040	21,400	23,200	40,100	33,600	25,900	6,610	11,700	11,200	7,620	4,780
20	38,700	6,440	20,500	22,300	47,600	33,600	25,000	6,280	12,500	11,900	7,300	4,500
21	38,700	6,880	19,600	20,500	56,100	33,600	23,200	5,820	13,200	12,000	7,260	4,430
22	37,300	7,600	19,600	19,600	64,000	34,800	22,300	5,980	14,100	11,600	7,200	4,310
23	34,800	8,200	18,800	16,700	66,000	36,000	21,400	6,280	14,900	10,600	6,600	4,160
24	31,300	9,000	18,800	16,400	66,000	37,300	20,500	6,220	16,000	9,870	5,890	4,050
25	28,000	10,200	18,000	15,700	64,000	38,700	19,600	6,150	17,500	9,320	5,620	4,180
26	25,000	10,200	17,200	15,000	62,000	38,700	19,600	5,890	19,200	8,010	5,560	4,580
27	22,300	9,600	16,400	15,700	60,000	38,700	19,600	5,750	20,900	6,560	5,200	4,890
28	20,500	9,600	16,400	16,400	58,000	40,100	19,600	5,660	21,500	5,730	4,920	5,170
29	18,800	10,000	17,200	17,200	-----	43,000	18,800	5,780	21,000	5,400	5,040	5,260
30	17,200	10,200	18,800	18,800	-----	47,600	18,000	5,900	19,900	5,400	5,320	5,230
31	15,700	-----	21,400	19,600	-----	50,900	-----	5,770	-----	5,790	-----	-----
TOTAL	612,760	269,320	583,700	945,800	1,017.4M	1,246.3M	1,042.4M	305,630	313,880	293,610	224,350	146,110
MEAN	19,770	8,977	18,830	30,510	36,340	40,200	34,750	9,891	10,460	9,471	7,237	4,870
MAX	38,700	14,300	23,200	60,000	66,000	56,100	54,300	17,200	21,500	18,600	9,760	5,770
MIN	4,880	6,440	10,200	15,000	18,800	32,400	18,000	5,660	4,670	5,400	4,920	4,050
CFSM	1.45	.66	1.38	2.74	7.67	2.96	2.55	.77	.77	.70	.53	.40
IN.	1.68	.74	1.60	2.59	2.78	3.41	2.85	.84	.86	.80	.61	.40
CAL YR 1964	TOTAL	10,036,560	MEAN	27,420	MAX	79,000	MIN	4,880	CFSM	2.02	IN	27.45
MAT YR 1965	TOTAL	7,002,260	MEAN	19,180	MAX	66,000	MIN	4,050	CFSM	1.41	IN	19.15

M Expressed in thousands

## 2-2261 Penholoway Creek near Jesup, Ga

Location --Lat 31°34'00", long 81°50'18", on downstream side of bridge on U S Highway 341, 4 miles southeast of Jesup, Wayne County, and about 9.5 miles upstream from mouth

Drainage area --210 sq mi (revised)

Records available --July 1958 to September 1965

Gage --Digital water-stage recorder Prior to May 6, 1965, graphic water-stage recorder at same site and datum

Average discharge --7 years, 225 cfs

Extremes --Maximum and minimum discharges, July 1958 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1958	July 18, 1958	590	10 21	Sept 12, 1958	1 1	-
1959	Mar 7, 1959	3,500	14 0	Nov 29, 30, Dec 1, 4-10, 1958	20	-
1960	Apr 6, 1960	1,560	11 74	July 3, 5, 1960	40	-
1961	Apr 17, 1961	4,300	14 8	June 8-20, July 9, 10, 1961	0	-
1962	Apr 3, 1962	1,520	11 72	Oct 20 to Nov 22, 1961	0	-
1963	June 28, 1963	2,320	12 7	Many days	0	-
1964	Sept 14, 1964	3,800	14 3	do	0	-
1965	Mar 5, 1965	2,000	12 3	do	0	-

1958-65 Maximum discharge, 4,300 cfs Apr 17, 1961 (gage height, 14.8 ft), no flow at times most years

Remarks --Records fair except those for period of no gage-height record, which are poor Stage-discharge relation affected at times by backwater from Altamaha River

## DISCHARGE, IN CUBIC FEET PER SECOND, JULY TO SEPTEMBER 1958

DISCREPANCY IN COST PER SECOND, COST PER MINUTE																
DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	
1	157	170	11	9	450	33	1 5	17	470	322	12	25	145	6 8	3 9	
2	97	136	7 6	10	412	40	1 2	18	570	170	8 5	26	167	5 1	21	
3	70	115	5 5	11	360	41	1 2	19	495	94	6 4	27	319	4 8	58	
4	111	106	4 2	12	297	37	1 2	20	405	48	4 9	28	259	15	50	
5	280	76	3 6	13	251	84	1 4	21	308	28	3 4	29	195	16	38	
6	405	55	2 8	14	211	237	1 4	22	203	18	2 6	30	174	16	25	
7	440	46	2 2	15	219	430	4 3	23	148	12	2 0	31	195	15	-----	
8	460	37	1 8	16	374	450	16	24	127	7 9	2 2					
TOTAL													8,774	2,871	6	304 8
MEAN													283	92	6	10 2
MAX													570	450		58
MIN													70	4 8		1 2
CFSM													1 35	44		05
IN													1 55	51		05

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1958 TO SEPTEMBER 1959

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	2.9	.20	38	124	450	420	36	243	2.8	79	3.5
2	11	2.5	.30	46	145	590	500	32	267	2.0	91	2.3
3	14	1.7	.30	91	235	670	600	26	297	24	88	2.7
4	25	1.4	.20	115	368	650	480	21	338	56	73	6.4
5	109	1.6	.20	121	670	650	400	14	345	106	50	27
6	188	2.6	.20	139	970	2,180	320	8.9	375	181	30	20
7	286	2.7	.20	148	1,070	3,400	260	6.0	412	174	22	20
8	382	2.3	.20	136	1,000	3,300	200	4.0	670	115	21	39
9	375	2.6	.20	118	1,040	2,730	170	2.6	880	57	28	70
10	267	2.9	.20	94	1,100	2,080	140	1.8	850	29	48	54
11	157	2.9	.40	79	1,180	1,640	110	1.3	745	27	48	48
12	88	2.6	1.1	73	1,140	1,280	90	1.5	630	68	38	99
13	50	2.3	1.7	65	940	1,000	75	3.8	480	79	26	368
14	30	2.2	1.9	60	770	795	60	6.8	412	127	16	670
15	19	1.8	3.8	53	650	720	50	5.1	345	203	12	795
16	12	1.7	5.5	58	510	820	42	3.2	275	374	8.5	850
17	8.7	1.2	5.3	60	440	1,280	34	2.2	227	695	6.4	745
18	7.4	1.0	4.7	62	382	1,880	28	1.7	188	770	4.2	610
19	22	.90	4.4	68	330	1,920	22	1.4	151	650	3.1	470
20	25	.80	4.0	70	275	1,720	32	6.9	142	510	2.2	398
21	34	.60	3.9	65	235	1,640	55	36	118	440	1.9	319
22	43	.50	3.9	76	203	1,640	90	73	85	440	2.5	235
23	44	.40	3.8	76	178	1,560	160	88	65	390	2.6	167
24	37	.40	4.2	76	154	1,400	120	106	50	308	9.2	121
25	29	.40	5.1	79	145	1,200	90	181	38	235	31	94
26	21	.30	4.2	79	203	1,000	70	243	26	174	24	76
27	14	.30	6.0	73	259	900	30	267	18	136	12	62
28	9.6	.30	17	68	352	800	46	251	13	106	6.0	54
29	6.6	.20	21	60	-----	650	30	267	7.6	88	12	46
30	5.1	.20	22	54	-----	550	38	267	4.5	76	8.1	44
31	3.8	-----	27	88	-----	500	-----	219	-----	70	3.2	-----
TOTAL	2,338.2	44.20	153.10	2,488	15,068	41,595	4,762	2,184.2	8,697.1	6,712.8	806.9	6,515.9
MEAN	75.4	1.47	4.94	80.3	538	1,342	159	70.5	290	217	26.0	217
MAX	382	2.9	27	148	1,180	3,400	600	267	880	770	91	850
MIN	3.8	.20	.20	38	124	450	22	1.3	4.5	2.0	1.9	2.3
CFSM	.36	.007	.02	.38	2.56	6.39	.76	.34	1.38	1.03	.12	1.03
IN.	.41	.008	.03	.44	2.67	7.37	.84	.39	1.54	1.19	.14	1.15

CAL YR 1958: TOTAL 91,365.40 MEAN 250 MAX 3,400 MIN .20 CFSM 1.19 IN 16.18

Note --No gage-height record Mar 25 to Apr 30



## 2-2261 Penholoway Creek near Jesup, Ga --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	38	630	59	34	319	970	235	28	29	1-0	9-2	58
2	31	570	54	32	368	820	296	32	16	.70	21	62
3	24	495	50	39	375	720	634	40	6.6	.40	24	106
4	19	420	47	52	345	650	1,070	48	7.6	.50	35	160
5	13	345	44	58	398	590	1,440	47	21	.60	60	203
6	9.8	267	42	68	630	510	1,520	43	19	1-2	82	211
7	7.2	219	40	91	745	460	1,320	38	11	1.6	79	157
8	7.2	188	37	106	880	412	1,100	45	7.2	39	56	91
9	11	167	35	112	770	360	880	43	5.8	82	32	49
10	25	148	34	112	650	308	695	41	3.9	112	20	29
11	34	130	32	106	550	275	570	52	2.7	188	12	69
12	62	115	41	94	480	286	470	48	2.9	251	7-2	103
13	88	100	73	82	450	275	380	44	2.2	227	4-4	142
14	91	88	85	65	450	267	320	41	1.5	148	2-6	174
15	94	79	91	62	440	259	280	31	.80	106	1-8	181
16	103	70	103	52	420	259	220	21	.60	79	1-8	136
17	127	62	109	62	398	259	190	14	.50	79	2-7	85
18	154	56	103	46	368	267	160	8.9	1.2	85	2-9	48
19	170	50	94	47	330	286	140	5.3	2-2	85	2-0	26
20	167	46	82	45	308	297	110	3-1	10	65	6-3	16
21	163	43	79	46	275	286	95	2-2	8.9	40	9-8	10
22	292	41	73	44	286	259	80	11	22	8-1	7-6	
23	430	39	68	40	338	227	70	1-8	12	12	7-4	10
24	670	45	62	34	375	195	60	1-2	14	8-1	4-9	6.8
25	910	57	58	31	569	181	50	.90	13	6-4	2-7	5.5
26	910	58	54	28	1,140	167	40	.70	8.7	12	8-5	7.4
27	880	59	49	25	1,360	160	34	4-0	5.6	12	18	7.0
28	795	68	46	30	1,320	157	43	13	4-0	12	25	8.9
29	745	70	43	95	1,180	151	32	14	2-6	19	46	24
30	720	65	39	178	-----	160	24	40	1-6	18	70	76
31	695	36	259	-----	-----	195	-----	49	-----	11	73	-----
TOTAL	8,485.2	4,790	1,862	2,159	16,517	10,668	12,558	802.90	233.10	1,724.50	735.3	2,269.2
MEAN	274	160	60.1	69.6	570	344	419	25.9	7.77	55.6	23.7	75.6
MAX	910	630	109	259	1,360	970	1,520	52	29	251	82	211
MIN	7.2	39	32	25	275	151	24	.70	.50	.40	1-8	5.5
CFSM	1.30	.76	.29	.33	2.71	1.64	1.99	.12	.04	.26	.11	.36
IN.	1.50	.85	.33	.38	2.93	1.89	2.22	.14	.04	.31	.13	.40
CAL YR 1959: TOTAL	103,967.1			MEAN 285		MAX 3,400	MIN 1.3	CFSM 1.36	IN 18.41			
WAT YR 1960: TOTAL	62,804.20			MEAN 172		MAX 1,520	MIN .40	CFSM .82	IN 11.12			

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	130	1-8	2.0	11	116	192	393	144	8.4	11	54	290
2	139	1-6	1-4	12	99	200	495	119	5.4	8-2	37	393
3	170	1-4	1-2	12	82	200	940	96	3-0	4-8	28	480
4	145	1-3	1-2	13	68	196	1,000	78	1-1	2-8	29	402
5	97	1-2	1-2	12	59	196	820	64	.40	2-0	31	242
6	60	1-1	1-2	11	54	192	650	47	.10	.50	43	149
7	45	1-0	1-2	10	86	186	480	37	.10	.20	43	122
8	42	1-0	1-1	9.4	144	170	411	26	0	.10	37	99
9	42	1-1	.80	180	160	334	20	0	0	0	37	109
10	45	1-2	.80	7.4	225	150	304	33	0	0	68	139
11	44	1-3	1-1	6.8	284	130	297	47	0	.10	43	186
12	39	1-4	5.4	6.4	260	120	326	54	0	.10	33	278
13	31	1-5	6.0	8.4	192	100	430	66	0	.10	64	358
14	22	1-6	5.2	42	139	90	570	59	0	.80	82	350
15	16	1-7	7.0	73	106	80	878	44	0	1-4	68	284
16	12	1-6	12	92	86	70	3,000	31	0	1-1	48	210
17	9.4	1-6	12	112	75	60	4,200	21	0	1-0	32	149
18	7.6	1-9	12	139	68	49	3,900	13	0	.80	20	99
19	6-2	1-9	13	144	99	64	3,000	8-6	0	7.5	34	66
20	7.6	2-0	12	116	124	71	2,240	5-6	0	51	64	46
21	6.8	2-2	12	84	139	119	1,680	3-0	.20	109	64	32
22	5.8	2-3	11	61	164	192	1,240	1-4	.60	180	73	23
23	4.9	2-3	11	48	186	272	940	3-0	.70	149	96	16
24	4.7	2-6	11	36	236	326	720	2-6	.40	164	11	11
25	4.2	1-8	12	31	248	358	570	29	.20	186	124	7.8
26	3.6	1-6	11	42	254	334	440	29	.10	196	169	5.0
27	2.9	1-4	9.8	71	254	254	358	33	1-4	260	496	2.8
28	2.7	1-2	9.0	84	230	174	284	30	12	220	505	2.0
29	2-2	1-4	8.0	102	-----	129	220	23	26	174	402	1-4
30	1-9	2-0	7.8	122	-----	102	180	18	15	134	375	1-8
31	1.8	-----	8.0	126	-----	141	-----	12	-----	89	326	-----
TOTAL	1,151.3	47.4	208.40	1,653.0	4,257	5,077	31,500	1,216.6	75.10	1,954.50	3,627	4,553.8
MEAN	37.1	1.58	6.72	53.3	152	164	1,050	39.2	2.30	63.0	117	152
MAX	170	2-3	13	144	284	358	4,200	144	26	260	505	480
MIN	1-8	1-0	.80	6.4	54	49	180	1-4	0	0	20	1-4
CFSM	.18	.008	.03	.25	.72	.78	5.00	.19	.01	.30	.56	.72
IN.	.20	.008	.04	.29	.75	.90	5.58	.22	.01	.35	.64	.81
CAL YR 1960: TOTAL	49,074.10			MEAN 134		MAX 1,520	MIN 0-.40	CFSM .92	IN 8.60			
WAT YR 1961: TOTAL	55,321.10			MEAN 152		MAX 4,200	MIN 0	CFSM .72	IN 9.60			

## 2-2261 Penholoway Creek near Jesup, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.6	0	.30	20	290	45	490	35	2.0	470	650	103
2	5.4	0	.30	25	200	113	1,140	31	2.3	390	610	100
3	4.0	0	.30	25	134	346	1,440	24	2.0	308	460	97
4	2.4	0	.20	27	94	460	1,440	17	1.9	227	352	94
5	1.6	0	.20	29	71	530	1,140	11	4.1	174	259	106
6	1.0	0	.30	64	56	610	850	7.2	26	151	195	112
7	.50	0	.40	174	43	495	720	4.6	21	124	160	136
8	.30	0	.30	210	35	366	670	2.9	71	103	148	160
9	.20	0	.30	186	90	236	630	1.9	181	88	224	139
10	.20	0	.20	236	28	169	590	1.2	237	103	297	127
11	.10	0	.20	225	25	134	530	90	440	106	251	109
12	.10	0	.30	174	22	134	450	3.3	460	121	195	91
13	.10	0	2.0	124	219	149	398	4.2	420	148	181	79
14	.10	0	7.4	92	20	149	330	4.1	398	360	167	73
15	.10	0	9.2	73	17	278	267	2.8	430	390	154	70
16	.10	0	12	59	27	670	219	2.2	510	254	136	65
17	.10	0	15	30	850	30	188	2.8	495	210	118	60
18	.10	0	18	44	30	940	160	2.4	500	100	54	46
19	.10	0	28	38	39	820	142	1.8	382	1,240	94	46
20	0	0	29	37	57	630	127	1.2	319	1,100	85	42
21	0	0	24	38	61	440	115	.70	297	770	76	39
22	0	0	24	61	318	103	103	.40	251	73	72	43
23	0	20	25	38	61	236	94	.60	259	273	79	68
24	0	1.6	21	36	59	196	82	.50	319	133	88	62
25	0	2.2	16	33	61	180	70	40	390	68	94	55
26	0	2.0	13	30	55	174	62	.30	440	60	118	56
27	0	1.1	11	34	51	164	52	20	480	52	115	54
28	0	.70	12	170	50	139	42	.30	630	62	112	48
29	0	.50	12	311	-----	119	39	1.8	630	112	109	40
30	0	.50	11	266	-----	99	34	2.2	550	318	109	32
31	0	-----	11	297	-----	94	-----	2.3	-----	550	106	-----
TOTAL	23.10	8.40	304.90	3,204	1,723	10,303	12,614	171.10	9,088.3	9,515	5,915	2,360
MEAN	7.5	2.9	9.80	103	61.5	332	420	5.52	303	307	191	78.7
MAX	6.6	2.2	29	311	290	940	1,440	35	630	1,240	650	160
MIN	0	0	20	20	17	45	34	2.0	1.9	52	73	32
CFSM	.004	.001	.05	.49	.29	1.58	2.00	.03	1.44	1.46	.91	.37
IN.	.004	.002	.05	.57	.31	1.82	2.23	.03	1.61	1.69	1.05	.42

CAL YR 1961 TOTAL 54,249.40 MEAN 149 MAX 4,200 MIN 0 CFSM .71 IN 9.61  
WAT YR 1962 TOTAL 55,226.20 MEAN 151 MAX 1,440 MIN 0 CFSM .72 IN 9.76

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	26	.40	76	124	352	770	45	.30	0	850	112	203
2	22	.20	127	118	319	670	36	.40	0	630	103	178
3	25	.20	142	112	308	610	28	.30	0	470	79	148
4	61	.10	167	97	319	530	22	.10	0	375	60	118
5	91	.10	195	82	368	470	16	.10	0	267	59	91
6	87	.10	203	70	510	440	14	.10	0	188	88	73
7	76	.10	188	70	795	398	39	0	0	136	82	88
8	68	.10	181	68	940	360	43	0	0	133	79	73
9	56	.60	211	65	940	308	36	0	0	203	88	62
10	44	1.9	227	65	850	267	36	0	0	286	142	44
11	36	1.8	235	62	745	235	38	0	0	360	178	26
12	28	1.6	219	68	670	211	44	0	0	420	219	16
13	22	2.9	203	73	630	188	44	0	0	382	203	22
14	17	4.2	188	82	590	174	37	0	0	275	170	58
15	13	3.5	170	94	550	164	32	0	0	188	170	28
16	9.5	2.8	151	115	470	154	25	0	0	139	188	17
17	7.2	2.2	136	130	420	148	18	.70	0	145	188	12
18	5.0	1.9	121	136	368	136	13	.20	0	227	178	7.4
19	3.3	1.4	109	139	338	124	9.2	0	2.2	275	154	5.2
20	2.2	1.3	97	167	360	124	6.7	0	18	227	181	3.3
21	1.6	1.3	85	318	368	118	4.6	0	14	164	286	3.1
22	4.1	2.8	76	630	368	106	2.9	0	22	124	360	14
23	5.1	3.9	68	1,000	97	52	2.0	.20	52	151	398	40
24	5.4	3.5	58	1,040	382	88	1.2	.10	118	286	375	34
25	4.2	2.8	51	940	610	76	.60	0	235	286	330	19
26	3.3	2.9	52	795	820	70	.30	0	679	167	275	15
27	2.4	3.3	69	695	910	79	.70	0	2,080	112	227	15
28	1.9	2.9	82	590	880	79	1.20	0	2,240	88	178	15
29	1.3	2.8	97	480	-----	73	.20	0	1,800	73	164	287
30	.90	8.4	124	440	-----	68	.30	0	1,240	85	188	510
31	.60	-----	127	398	-----	57	-----	0	-----	136	211	-----
TOTAL	725.40	62.00	4,236	9,268	15,532	7,392	594.40	2.50	8,500.2	7,848	5,713	2,225.0
MEAN	23.4	2.07	137	299	555	238	19.8	.081	283	253	184	74.2
MAX	91	8.4	245	1,040	940	770	45	70	2,240	880	398	510
MIN	.60	.10	51	62	308	57	.20	0	0	73	59	3.1
CFSM	.11	.01	.65	1.42	2.64	1.14	.09	.0003	1.35	1.21	.88	.35
IN.	.13	.01	.75	1.64	2.75	1.31	.11	.0004	1.51	1.39	1.01	.39

CAL YR 1962 TOTAL 59,916.20 MEAN 164 MAX 1,440 MIN .10 CFSM .78 IN 10.61  
WAT YR 1963 TOTAL 62,093.90 MEAN 170 MAX 2,240 MIN 0 CFSM .81 IN 11.00

## ALTAMAHA RIVER BASIN

2-2261 Penholoway Creek near Jesup, Ga --Continued

DISCHARGE, IN CUBIC-Feet PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	460	0	7.0	14	280	2,000	140	278	0	.8	850	2,240
2	405	0	6.5	13	240	1,760	130	326	0	1.8	850	1,720
3	368	0	9.5	13	200	1,960	120	440	0	6.0	880	1,320
4	268	0	9.7	15	170	3,000	110	570	0	7.8	850	1,000
5	188	0	8.7	16	150	3,200	100	650	0	7.0	745	795
6	127	.20	7.4	21	160	2,820	102	630	0	6.0	610	650
7	97	.30	6.5	23	180	2,320	116	530	0	2.6	480	510
8	82	.30	6.1	88	200	1,840	124	440	0	.3	393	440
9	73	.20	5.9	282	240	1,440	139	358	0	0	297	366
10	65	.10	5.4	398	260	1,100	164	284	0	0	210	470
11	57	0	4.8	510	270	880	169	220	0	0	180	1,040
12	50	0	4.8	910	260	695	149	170	0	0	174	1,960
13	42	10	17	1,480	250	570	134	140	0	0	174	3,300
14	36	.10	39	1,600	260	460	112	120	0	0	174	3,800
15	29	.30	57	1,480	210	393	99	94	0	0	174	3,500
16	22	.30	62	1,240	210	334	80	76	0	0	164	2,910
17	16	.30	65	1,210	230	266	70	60	0	6.4	149	2,400
18	11	.65	65	1,560	520	225	55	50	0	117	164	1,960
19	7.4	.30	56	1,720	1,400	186	48	38	0	297	169	1,560
20	5.2	.20	42	1,720	1,680	164	40	30	0	304	149	1,210
21	3.5	.20	32	1,600	1,640	139	33	25	0	384	134	910
22	2.3	.30	25	1,400	1,320	124	28	20	0	590	122	720
23	1.4	.30	20	1,180	1,000	112	24	11	0	880	116	550
24	1.0	.50	19	1,000	770	96	20	5.8	0	1,240	114	440
25	.90	.70	17	850	650	89	17	2.8	0	1,210	99	352
26	.70	.80	16	720	630	94	26	.80	0	1,100	80	267
27	.60	.90	16	600	650	100	53	.20	0	1,210	64	211
28	.30	1.2	16	500	1,400	110	75	.10	0	1,180	115	170
29	.20	4.6	15	450	2,000	120	139	0	0	1,140	1,180	142
30	.10	7.0	13	380	-----	140	225	0	0	1,070	2,480	118
31	.10	-----	12	340	-----	150	-----	0	-----	910	2,730	-----
TOTAL	2,419.70	19.50	686.3	23,333	17,410	26,887	2,841	5,569.70	0	11,670.7	15,072	37,031
MEAN	78.1	.65	22.1	753	600	867	92.7	180	0	376	486	1,234
MAX	460	7.0	65	1,720	2,000	3,200	225	650	0	1,240	2,730	3,800
MIN	.10	0	4.8	13	150	89	17	0	0	0	66	118
CFSM	.37	.003	.11	3.58	2.66	4.13	.45	.86	0	1.79	2.32	5.88
IN.	.43	.003	.12	4.13	3.08	4.76	.50	.99	0	2.07	2.67	6.56

CAL YR 1963 TOTAL 60,195.60 MEAN 165 MAX 2,240 MIN 0 CFSM .79 IN 10.66  
WAT YR 1964 TOTAL 142,939.90 MEAN 391 MAX 3,800 MIN 0 CFSM 1.86 IN 25.31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	97	112	76	211	82	530	1,210	36	0	148	330	160
2	94	94	60	188	91	650	1,140	24	0	203	570	133
3	243	79	52	154	97	1,400	1,000	14	0	139	720	124
4	352	65	264	133	97	1,840	880	7.9	0	82	670	145
5	412	57	910	112	94	2,000	745	4.2	0	42	670	178
6	470	47	1,180	106	91	1,800	630	2.4	0	21	630	180
7	510	40	1,400	106	97	1,520	530	1.2	0	17	770	157
8	530	34	1,240	115	106	1,240	450	.50	0	19	820	130
9	460	30	970	121	115	1,040	390	.10	0	28	720	109
10	362	25	745	121	109	880	330	0	0	31	720	82
11	267	22	610	112	106	720	251	0	0	32	695	58
12	188	19	495	100	100	630	203	0	0	26	720	42
13	142	18	430	85	157	610	164	0	0	21	820	33
14	124	16	390	68	251	610	127	0	0	40	1,000	25
15	359	15	336	56	390	590	100	0	.20	58	1,210	20
16	1,070	14	297	56	550	550	79	0	1.0	70	1,140	13
17	1,360	13	267	50	650	480	62	0	2.9	85	910	7.9
18	1,360	12	235	47	610	430	46	0	4.1	97	745	6.5
19	1,180	11	211	42	550	440	39	0	6.7	103	630	4.6
20	940	15	188	39	450	820	36	0	5.0	375	530	2.6
21	770	23	170	40	390	1,360	29	0	4.4	450	440	1.3
22	650	24	157	38	338	1,560	25	0	9.2	398	368	.50
23	550	25	148	36	308	1,560	22	0	12	319	297	.40
24	450	46	142	50	297	1,400	16	0	7.7	259	243	1.4
25	362	79	136	68	360	1,180	11	0	7.0	211	203	.90
26	319	100	130	82	470	1,000	11	0	32	167	178	.20
27	259	167	94	96	570	1,025	17	0	26.2	142	143	2.4
28	219	100	203	100	570	850	33	0	154	124	130	.40
29	181	103	219	97	-----	970	37	0	124	130	142	65
30	154	94	235	94	-----	1,070	42	0	148	330	188	130
31	133	-----	235	88	-----	1,210	-----	0	-----	368	188	-----
TOTAL	14,607	1,432	12,300	2,809	8,096	31,790	8,655	90.30	785.20	4,535	17,545	1,850.70
MEAN	471	47.7	397	90.6	289	1,025	289	2.91	26.2	142	566	61.7
MAX	1,360	112	1,400	211	650	2,000	1,210	36	267	450	1,210	178
MIN	94	11	52	36	82	430	11	0	0	17	130	.20
CFSM	2.24	.23	1.89	.43	1.38	4.88	1.37	.01	.12	.70	2.70	.29
IN.	2.59	.25	2.18	.50	1.45	5.63	1.53	.02	.14	.80	3.11	.33

CAL YR 1964 TOTAL 168,153.40 MEAN 459 MAX 3,800 MIN 0 CFSM 2.19 IN 29.78  
WAT YR 1965 TOTAL 104,495.20 MEAN 286 MAX 2,000 MIN 0 CFSM 1.36 IN 18.51

2-2265 Satilla River near Waycross, Ga

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

Drainage area --1,200 sq mi, approximately

Records available --March 1937 to September 1965

Gage --Digital water-stage recorder Datum of gage is 66.43 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Nov 22, 1952, staff gage at site 300 ft downstream at same datum, and Nov 22, 1952 to May 4, 1965, graphic water-stage recorder at present site and datum

Average discharge --28 years, 964 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 20, 1961	17,800	19.4	Aug 6, 1961	25	-
1962	Apr 8, 1962	7,500	16.3	Nov 13, 14, 19-22, 1961	20	-
1963	July 2, 16, 1963	4,200	14.5	Nov 13-19, 1962	23	-
1964	Mar 6, 1964	16,200	19.0	Nov 9, 20-22, 1963	30	-
1965	Dec 8, 1964	21,000	20.1	June 7, 1965	20	-

a Minimum observed

1937-65 Maximum discharge, 39,000 cfs Apr 4, 1948 (gage height, 22.4 ft, from floodmark), minimum, 6.0 cfs Nov 3, 4, 1954

Maximum stage known since at least 1862, 22.4 ft Apr 4, 1948

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

Remarks --Records good

Revisions (water years) --WSP 952 1939 WSP 1624 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	344	70	34	61	905	2,460	1,620	1,510	595	255	102	2,400
2	344	60	34	64	905	2,760	2,040	1,260	550	550	69	2,520
3	203	50	32	67	875	2,880	2,240	1,140	430	645	47	2,290
4	287	40	34	89	845	2,950	2,400	1,140	319	570	41	2,040
5	263	34	34	110	720	3,020	2,760	1,060	279	400	26	1,760
6	247	32	33	132	670	2,880	3,090	935	215	335	28	1,510
7	271	30	33	121	720	2,400	3,380	845	194	311	45	1,440
8	303	29	33	116	720	2,190	3,540	770	146	263	42	1,540
9	327	31	32	107	745	1,890	3,380	595	110	231	96	1,680
10	410	47	31	113	845	1,580	3,230	530	98	191	279	1,720
11	460	49	34	107	875	1,340	2,820	490	68	169	344	1,650
12	344	49	38	95	905	1,180	2,340	510	57	178	420	1,510
13	303	49	43	151	905	965	2,190	550	48	287	550	1,260
14	255	47	45	370	845	795	2,140	530	38	352	570	1,080
15	215	47	49	470	745	645	2,520	490	46	430	440	965
16	204	48	48	480	695	595	3,790	430	167	380	335	845
17	197	57	45	490	595	530	5,240	420	193	247	279	745
18	189	81	43	530	530	410	10,500	390	239	204	231	620
19	191	78	41	570	595	390	16,600	327	239	202	185	530
20	194	75	40	595	670	618	17,400	287	215	215	263	450
21	178	57	38	595	845	1,300	15,500	255	231	352	287	380
22	175	45	36	470	1,140	1,580	12,900	231	199	570	319	327
23	175	44	34	370	1,260	1,940	10,800	215	311	470	370	287
24	181	48	34	303	1,510	2,520	7,260	215	502	420	450	247
25	175	51	34	311	1,620	2,580	6,400	239	820	287	595	215
26	169	41	34	420	1,760	2,580	4,900	287	645	215	820	197
27	159	44	41	530	1,890	2,290	3,980	390	460	165	1,060	178
28	146	42	49	645	2,190	2,140	3,300	570	327	148	1,240	159
29	117	38	53	795	-----	2,040	2,520	645	247	140	1,480	146
30	100	35	55	845	-----	1,720	1,800	670	215	119	1,720	135
31	80	-----	59	845	-----	1,340	-----	620	-----	109	1,990	-----
TOTAL	7,146	1,448	1,223	10,967	27,525	54,508	162,280	18,246	8,293	9,510	14,723	30,828
MEAN	231	48.3	39.5	354	883	1,758	5,238	588	273	304	473	1,028
MAX	410	81	59	845	2,190	3,020	17,400	1,510	820	645	1,990	2,520
MIN	80	29	31	61	530	390	1,620	215	38	109	26	135
CFSM	.19	.04	.03	.29	.82	1.47	4.52	.50	.23	.25	.40	.86
IN.	.22	.04	.04	.34	.85	1.69	5.04	.57	.25	.29	.46	.96
CAL YR 1960	TOTAL 463,445	MEAN 1,266	MAX 20,600	MIN 28	CFSM 1.06	IN 14.36						
WAT YR 1961	TOTAL 347,105	MEAN 951	MAX 17,400	MIN 26	CFSM .79	IN 10.76						

## SATILLA RIVER BASIN

2-2265 Satilla River near Waycross Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	119	24	43	247	1,080	1,400	2,010	305	56	163	34	23
2	114	24	44	278	1,080	1,340	3,020	278	45	139	33	23
3	105	23	40	314	1,060	1,400	3,460	260	40	119	77	41
4	92	23	38	332	995	1,340	4,200	251	36	131	116	32
5	81	23	36	332	910	1,680	5,800	224	35	142	83	42
6	72	24	35	395	810	1,840	6,800	200	33	126	55	38
7	65	32	33	480	660	1,990	7,500	165	32	140	46	35
8	58	38	32	540	560	2,040	7,500	146	33	114	44	36
9	52	29	32	710	500	1,940	7,020	126	34	96	39	39
10	48	23	31	910	450	1,760	6,400	118	36	82	33	72
11	46	22	30	1,080	413	1,580	5,800	110	44	83	30	113
12	45	21	32	1,140	386	1,370	5,240	178	57	86	27	125
13	44	20	72	1,080	386	1,260	4,620	128	55	74	26	116
14	44	20	102	965	377	1,200	4,080	111	140	68	24	100
15	44	21	142	860	377	1,140	3,620	100	386	58	23	81
16	55	21	208	735	395	1,680	3,230	92	490	50	24	65
17	56	21	260	640	450	2,090	2,820	82	395	44	24	56
18	48	21	287	580	500	2,340	2,340	76	296	41	23	48
19	43	21	377	540	540	2,320	1,760	70	242	44	22	44
20	40	21	490	500	640	2,640	1,340	64	233	38	25	39
21	36	20	500	480	785	2,700	1,080	59	251	34	30	35
22	33	20	450	460	965	2,760	885	55	278	32	29	33
23	32	32	486	460	1,120	2,760	760	53	278	33	36	64
24	30	31	350	450	1,200	2,640	640	48	224	38	40	42
25	30	35	323	450	1,260	2,240	560	45	149	36	30	36
26	30	64	296	440	1,340	1,760	480	43	114	33	28	33
27	27	60	278	450	1,440	1,440	421	40	105	31	28	32
28	27	51	260	540	1,480	1,200	386	41	102	32	27	31
29	27	44	242	685	-----	-----	359	38	139	30	28	48
30	26	40	233	860	-----	-----	965	37	170	38	32	90
31	26	-----	224	995	-----	-----	935	35	-----	48	24	-----
TOTAL	1,597	909	3,906	18,923	22,139	55,430	94,464	3,578	4,528	2,223	1,140	1,612
MEAN	51.5	30.3	191	610	791	1,788	3,149	115	151	71.7	36.8	53.7
MAX	119	64	500	1,140	1,480	2,760	7,500	305	490	163	116	125
MIN	26	20	30	242	377	935	323	35	32	30	22	23
CFSM	.04	.03	.16	.51	.66	1.49	2.62	.10	.13	.06	.03	.04
IN.	.05	.03	.18	.59	.69	1.72	2.93	.11	.14	.07	.04	.05
CAL YR 1961	TOTAL 345,700	MEAN 947	MAX 17,400	MIN 20	CFSM .79	IN 10.71						
NAT YR 1962	TOTAL 212,449	MEAN 582	MAX 7,500	MIN 20	CFSM .49	IN 6.58						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	86	31	178	251	910	1,890	820	130	645	3,980	1,020	570
2	71	30	157	233	835	1,890	795	126	720	4,200	1,060	460
3	78	30	200	216	860	1,940	745	161	645	4,080	935	370
4	74	27	233	200	910	1,940	645	188	530	3,700	720	311
5	76	27	233	179	1,020	1,890	550	189	400	3,230	530	263
6	76	28	216	165	1,260	1,840	460	188	303	2,520	410	231
7	70	27	176	159	1,480	1,720	400	167	239	1,680	327	199
8	68	26	150	152	1,620	1,580	361	162	186	1,370	263	172
9	68	29	139	149	1,800	1,480	361	175	172	1,760	247	149
10	74	28	129	157	1,950	1,370	420	231	156	2,340	303	129
11	77	25	129	168	2,140	1,260	530	231	143	2,700	319	116
12	74	24	132	186	2,290	1,180	645	186	162	3,020	510	106
13	64	24	131	242	2,460	1,060	670	148	138	3,230	720	98
14	57	23	122	314	2,460	1,020	595	124	124	3,620	670	89
15	50	23	113	386	2,520	1,140	480	112	112	3,980	550	84
16	45	23	107	440	2,580	1,340	400	93	102	4,080	470	89
17	42	23	100	440	2,640	1,340	327	95	117	3,880	530	84
18	38	23	95	404	2,640	1,680	279	142	151	3,460	845	75
19	34	23	90	368	2,760	1,800	239	154	231	2,880	1,080	70
20	32	24	86	487	2,760	1,940	205	143	255	2,340	1,240	64
21	31	26	82	885	2,640	1,990	178	161	370	2,400	1,620	62
22	44	28	80	910	2,340	1,990	154	202	570	2,760	1,840	59
23	39	24	76	1,020	1,990	1,800	132	327	795	3,160	1,990	55
24	36	24	72	1,200	1,840	1,580	113	480	1,080	3,230	2,140	52
25	34	26	70	1,400	1,840	1,260	98	530	1,400	3,020	2,240	52
26	35	28	76	1,540	1,840	1,060	86	695	1,760	2,640	2,140	52
27	37	29	117	1,620	1,840	875	75	720	2,090	2,040	1,800	51
28	39	32	142	1,510	1,890	770	67	645	2,400	1,480	1,370	53
29	37	32	192	1,370	-----	745	61	470	2,760	1,140	1,060	248
30	34	30	240	1,200	-----	745	96	390	3,300	1,120	875	263
31	34	-----	269	1,020	-----	795	-----	510	-----	1,080	695	-----
TOTAL	1,654	847	4,352	18,971	54,155	45,110	10,987	8,275	22,056	86,120	30,519	4,676
MEAN	53.4	28.2	140	612	1,934	1,455	366	267	735	2,778	984	156
MAX	86	80	269	1,620	2,760	1,990	820	720	3,300	4,200	2,240	570
MIN	31	23	70	149	835	745	61	93	102	1,080	247	51
CFSM	.04	.02	.12	.51	1.21	1.21	.31	.22	.61	2.32	.82	.13
IN.	.05	.03	.13	.59	1.68	1.40	.34	.26	.68	2.67	.95	.14
CAL YR 1962	TOTAL 210,890	MEAN 578	MAX 7,500	MIN 22	CFSM .68	IN 8.94						
NAT YR 1963	TOTAL 287,722	MEAN 788	MAX 4,200	MIN 25	CFSM .66	IN 8.92						

## 2-2265 Satilla River near Waycross, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	185	32	49	181	2,630	7,020	2,400	2,560	107	44	2,920	1,590
2	186	34	50	183	2,300	9,040	2,200	3,440	96	95	3,080	1,120
3	199	32	57	191	2,060	10,800	2,000	4,900	87	163	3,340	766
4	203	31	57	215	1,840	12,900	1,700	6,600	80	206	3,340	554
5	263	32	57	239	1,640	14,000	1,000	8,260	70	311	3,250	434
6	352	32	55	271	1,540	15,800	1,200	8,780	84	334	3,000	378
7	430	31	53	303	1,460	15,800	1,100	8,260	114	450	2,700	341
8	440	31	53	325	1,460	14,400	1,000	7,500	94	554	2,560	318
9	370	30	53	905	1,540	11,800	1,000	6,400	93	652	2,490	296
10	295	31	53	1,120	1,640	9,600	1,100	5,600	118	718	2,420	364
11	231	32	53	1,300	1,840	7,740	1,200	4,620	133	672	2,560	402
12	186	33	54	1,780	2,060	6,400	1,500	3,880	117	592	2,630	1,380
13	173	31	100	2,400	2,180	5,420	1,700	3,160	95	446	2,630	3,080
14	181	31	129	2,700	2,300	4,480	2,100	2,300	83	348	2,840	3,250
15	138	31	167	2,950	2,360	3,880	2,400	1,420	74	288	3,000	3,160
16	105	31	239	3,380	2,360	3,430	2,400	886	68	253	3,000	3,340
17	83	31	279	4,480	2,240	3,000	2,200	652	64	260	2,840	3,880
18	70	31	271	5,800	2,400	2,630	1,800	536	59	903	2,560	4,900
19	62	31	263	6,400	3,000	2,240	1,500	434	53	1,380	2,240	5,800
20	56	30	271	6,400	3,250	1,940	1,100	378	49	1,260	1,940	5,800
21	52	30	279	6,600	3,520	1,790	766	326	44	1,180	1,690	5,420
22	48	30	255	6,600	4,100	1,690	612	281	41	1,380	1,690	4,620
23	45	31	279	6,400	4,400	1,590	536	246	37	1,940	1,460	3,880
24	44	32	239	6,200	7,260	1,500	466	220	35	2,120	1,460	3,160
25	41	32	225	5,800	7,020	1,380	402	200	35	2,490	1,300	2,300
26	41	32	207	5,240	6,400	1,460	371	181	37	2,700	1,090	1,500
27	38	33	202	4,660	6,400	1,890	169	148	37	3,000	940	1,030
28	36	34	197	4,200	6,200	2,180	739	151	35	3,340	910	814
29	35	45	188	3,700	6,200	2,360	1,360	140	33	3,340	1,680	672
30	33	51	180	3,340	-----	2,420	2,060	132	35	3,160	2,240	612
31	32	-----	175	2,920	-----	2,420	-----	118	-----	2,920	2,060	-----
TOTAL	4,651	978	4,779	97,143	95,670	183,000	40,730	82,920	2,107	37,519	71,630	65,161
MEAN	150	32.6	154	3,134	3,299	5,903	1,358	2,675	70.2	1,210	2,311	2,172
MAX	440	51	279	6,600	7,260	15,800	2,400	8,780	133	3,340	3,340	5,800
MIN	32	30	49	181	1,460	1,380	371	118	33	44	910	296
CFSM	1.13	0.03	1.13	2.61	2.75	4.92	1.13	2.23	0.06	1.01	1.93	1.81
IN.	1.14	0.03	1.15	3.01	2.96	5.67	1.26	2.57	0.07	1.16	2.22	2.02

CAL YR 1963: TOTAL 291,277 MEAN 1,798 MAX 15,800 MIN 30 CFM 1.87 IN 2.99  
WAT YR 1964: TOTAL 686,288 MEAN 1,875 MAX 15,800 MIN 30 CFM 1.87 IN 2.99

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	536	860	628	2,910	2,170	3,850	5,800	740	27	610	243	115
2	500	780	578	3,070	2,110	4,620	7,260	560	28	594	422	115
3	672	700	546	3,250	1,990	5,420	7,500	590	562	530	144	115
4	750	640	1,140	3,250	1,730	5,800	7,260	530	23	458	512	234
5	862	610	2,610	3,070	1,550	5,800	6,800	458	24	386	494	395
6	1,000	562	3,750	2,750	1,410	6,000	6,000	386	24	340	530	440
7	1,150	530	11,200	2,290	1,680	6,000	5,240	320	22	280	512	350
8	1,220	494	20,000	1,830	1,950	6,000	4,620	280	41	260	530	260
9	1,260	498	20,000	1,480	2,230	6,000	4,080	236	50	395	780	241
10	1,340	449	16,600	1,270	2,510	5,600	3,550	205	36	494	935	223
11	1,540	413	14,200	1,110	2,750	5,060	3,150	178	59	512	860	191
12	1,740	395	10,200	1,020	3,070	4,480	2,750	154	110	562	740	164
13	1,840	377	8,000	935	3,850	4,080	2,290	146	82	646	760	139
14	1,890	359	6,600	910	4,900	3,650	1,780	126	96	860	910	122
15	2,840	350	5,420	885	6,000	3,250	1,380	110	174	1,110	1,050	107
16	3,520	340	4,620	860	6,800	2,990	1,080	96	260	1,270	1,410	115
17	3,790	320	4,080	840	7,740	2,750	860	85	300	1,300	1,630	139
18	4,340	310	3,750	820	8,260	2,910	740	75	413	1,110	1,480	139
19	5,060	300	3,650	780	8,260	3,960	646	67	512	780	1,110	128
20	6,000	330	3,550	760	7,740	4,340	610	62	594	578	780	112
21	6,400	386	3,550	720	7,020	4,480	562	57	682	512	594	104
22	6,400	413	3,550	682	6,400	4,620	594	53	740	404	494	101
23	6,000	440	3,350	664	5,800	5,240	646	49	700	300	413	106
24	5,420	494	3,070	720	5,420	6,000	682	45	594	230	359	96
25	5,480	610	2,830	840	5,240	6,400	720	42	530	182	290	86
26	3,850	720	2,510	990	5,060	6,000	860	39	476	167	241	77
27	3,070	800	2,750	1,200	4,620	5,420	910	37	395	191	205	81
28	2,350	820	2,590	1,480	4,200	5,060	960	36	458	174	223	131
29	1,630	800	2,510	1,730	-----	4,620	910	34	546	174	173	164
30	1,240	720	2,590	1,930	-----	4,200	820	31	594	173	146	300
31	990	-----	2,670	2,110	-----	4,480	-----	29	-----	194	130	-----
TOTAL	83,720	15,786	172,092	47,156	122,500	149,080	81,060	5,964	8,615	15,808	19,486	5,119
MEAN	2,701	526	5,551	1,521	4,375	4,809	2,702	192	287	510	629	171
MAX	6,400	860	20,000	3,250	8,260	6,400	7,500	740	740	1,300	1,630	440
MIN	500	300	546	664	1,410	2,750	562	29	22	167	130	77
CFSM	2.25	4.44	4.63	1.27	3.45	4.01	2.45	1.16	2.4	4.2	5.2	1.4
IN.	2.59	4.49	5.33	1.46	3.80	4.62	2.51	1.18	2.7	4.9	6.0	1.6

CAL YR 1964: TOTAL 947,478 MEAN 2,589 MAX 20,000 MIN 33 CFM 2.16 IN 29.36  
WAT YR 1965: TOTAL 726,386 MEAN 1,990 MAX 20,000 MIN 22 CFM 1.66 IN 22.51

## SATILLA RIVER BASIN

2-2266 Burket Creek near Roper, Ga

Location --Lat 31°48', long 82°38', on left bank 100 ft downstream from highway culvert, 2 0 miles upstream from mouth, and 2 1 miles southeast of Roper, Jeff Davis County

Drainage area --7 1 sq mi, approximately

Records available --July 1956 to September 1963 (discontinued)

Gage --Water-stage recorder Prior to Aug 13, 1956, staff gage at same site and datum

Average discharge --7 years, 4 53 cfs

Extremes --Maximum and minimum discharges for the water years 1961-63 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 16, 1961	227	4 12	Many days	0	-
1962	Apr 1 1962	147	3 77	do	0	-
1963	June 25, 1963	80	3 23	do	0	-

1956-63 Maximum gage height, 5 02 ft July 19, 1957 (discharge not determined), no flow at times each year

Remarks --Records fair

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	1.1	10	1 9	0	0	0	48
2	0	0	0	0	0	1.3	13	1.7	0	0	0	28
3	0	0	0	0	0	1.3	9.0	1.5	0	0	0	15
4	0	0	0	0	0	1.6	5.6	1.1	0	0	0	9.6
5	0	0	0	0	0	2.6	4.3	.80	0	.90	0	7.9
6	0	0	0	0	0	2.8	3.2	.30	0	.50	0	8.2
7	0	0	0	0	2.4	2.1	2.6	.10	0	0	0	11
8	0	0	0	0	2.3	1.5	2.0	0	0	0	1.5	11
9	0	0	0	0	1.3	1.1	2.6	0	0	0	4.9	11
10	0	0	0	0	.90	.80	4.6	.80	0	2.1	11	11
11	0	0	0	0	.50	.50	7.9	.50	0	1.9	17	9.3
12	0	0	0	0	.30	.30	25	.30	0	1.7	12	8.7
13	0	0	0	0	.20	.20	48	.20	0	1.6	7.0	7.0
14	0	0	0	0	.20	.20	22	0	0	1.4	4.8	5.6
15	0	0	0	0	.10	.20	50	0	0	1.0	4.1	4.4
16	0	0	0	0	10	.10	148	0	0	.80	3.2	3.6
17	0	0	0	0	.10	0	43	0	0	1.6	2.3	2.8
18	0	0	0	0	.20	1.3	20	0	0	.10	1.7	2.1
19	0	0	0	0	2.4	2.7	13	0	0	0	2.4	1.9
20	0	0	0	0	2.0	3.6	7.9	0	0	0	6.0	1 9
21	0	0	0	0	1.1	6.5	5.4	0	0	0	7.7	1.6
22	0	0	0	0	.80	8.4	4.1	0	0	0	7.2	1.3
23	0	0	0	0	3.4	7.2	3.3	.40	0	0	7.9	1.2
24	0	0	0	0	4.4	4.9	2.6	1.7	0	2.1	7.2	.80
25	0	0	0	0	3.8	3.6	2.0	1.6	0	1.2	7.9	.30
26	0	0	0	0	2.3	2.6	1.7	2.1	0	.20	9.3	0
27	0	0	0	0	1.5	1.9	1.9	3.0	1.1	0	9.6	0
28	0	0	0	0	1.1	1.6	2.7	2.4	1.2	0	7.7	0
29	0	0	0	0	1.1	2.7	1.3	.90	0	0	5.8	0
30	0	0	0	0	-----	.90	2.1	.50	.20	0	5.2	0
31	0	-----	0	0	-----	4.9	-----	0	-----	0	12	-----
TOTAL	0	0	0	0	31.40	68.90	470.2	22.20	3.40	17.10	165.4	211.20
MEAN	0	0	0	0	1.12	2.22	15.7	.72	.11	.55	5.34	7.04
MAX	0	0	0	0	4.4	8.4	148	3.0	1.2	2.1	17	48
MIN	0	0	0	0	0	0	1.7	0	0	0	0	0
CFSM	0	0	0	0	.16	.31	2.21	.10	.02	.08	.75	.99
IN.	0	0	0	0	.16	.36	2.46	.12	.02	.09	.87	1.11
CAL YR 1960	TOTAL	1,858.80			MEAN 5.08							
WAT YR 1961	TOTAL	989.80			MEAN 2.71							
						MAX 260	MIN 0	CFSM .72	IN 9.74			
						MAX 148	MIN 0	CFSM .36	IN 5.18			

## 2-2266 Burket Creek near Roper, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.10	0	10	1.8	3.6	3.8	109	1 1	0	0	0	0
2	.10	0	10	2.3	2.6	6.5	55	.60	0	0	0	0
3	.20	0	.10	2.0	2.3	16	24	.20	0	0	0	0
4	.10	0	0	1.6	2 0	17	17	.10	0	.80	0	0
5	.10	0	0	1.5	1.8	14	11	0	0	1.5	0	0
6	0	0	0	2.8	1.6	8.7	6.8	0	0	.60	0	0
7	0	0	.30	4.5	1.4	5.2	9.9	0	0	.10	0	0
8	0	0	.50	4.5	1.2	3.8	19	0	0	.50	0	0
9	0	0	0	3.6	1.4	3.2	20	0	0	1.4	0	0
10	0	0	.20	3.0	1.8	3.0	15	0	.10	.30	0	0
11	0	0	.30	2.6	1.6	2.8	9.5	0	.10	0	0	0
12	0	0	.90	2.1	1.6	5.0	7.2	0	.20	0	0	0
13	0	0	0	2.0	1.4	4.5	8.3	0	.30	0	0	0
14	0	0	2.6	1.8	1.4	3.4	7.5	0	.30	0	0	0
15	0	0	2 1	1.6	1.2	9.1	5.5	0	.10	0	0	0
16	0	0	2.3	1.6	2 1	11	3.8	0	0	0	0	0
17	0	0	2 1	1.6	2.5	10	2.8	0	0	0	0	0
18	0	0	2.6	1.4	2 5	6.5	2.0	.30	0	0	0	0
19	0	0	3.0	1.6	8.8	4.2	1.6	.10	0	0	0	0
20	0	0	2.6	2.0	22	3.2	1.4	0	0	0	0	0
21	0	0	2.0	2.0	27	3.8	1.1	0	0	0	0	0
22	0	0	1.6	2.0	15	3.6	.90	0	.20	0	0	0
23	0	0	1.4	1.8	8.3	3.8	.40	0	1.1	0	0	0
24	0	1.2	1.2	1.8	5.5	3.6	.60	0	.60	0	0	0
25	0	.60	1.1	1.6	5.8	3.2	.50	0	.10	0	0	0
26	0	.30	1.0	1.6	6.5	3 0	.40	0	0	0	0	0
27	0	.90	2.1	1.6	5 5	2.6	.30	0	0	0	0	0
28	0	.20	1.2	6.5	5.0	2.0	.50	0	0	0	0	0
29	0	.20	1.2	9 9	-----	1.8	2.0	0	0	0	0	0
30	0	.10	1 1	8.3	-----	1.6	2.0	0	0	0	0	0
31	0	-----	1.1	5.5	-----	8.1	-----	0	-----	0	0	-----
TOTAL	0.60	2.80	37.70	89.0	138.2	178.0	345.30	2.50	3.10	5.20	0	0
MEAN	.019	.093	1.22	2.87	4.49	5.74	11.3	.081	.10	.17	0	0
MAX	.20	1.2	3.8	9.9	22	17	109	1.1	1.1	1.5	0	0
MIN	0	0	0	1.4	1.2	1.6	.30	0	0	0	0	0
CFSM	.003	.01	.17	.40	.70	.81	1.62	.01	.01	.02	0	0
IN.	.003	.01	.20	.47	.72	.93	1.81	.01	.02	.03	0	0
CAL YR 1961	TOTAL	1,030.90	MEAN	2.82	MAX	148	MIN	0	CFSM	.40	IN	5.40
WAT YR 1962	TOTAL	802.40	MEAN	2.20	MAX	109	MIN	0	CFSM	.31	IN	4.20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	1.4	4.5	1.6	2.3	.60	3.6	0	0
2	0	0	0	0	1.2	4.2	1.2	1.4	.20	2.8	.10	0
3	0	0	0	0	3 0	3.8	1 0	.90	.10	2.0	0	0
4	0	0	0	0	2.5	3.6	.60	.50	0	1.4	0	0
5	0	0	0	0	3 0	3.2	.50	.10	0	1.1	0	0
6	0	0	0	0	5.2	3.0	.50	.20	0	.90	0	0
7	0	0	0	.10	5 2	2.8	1.6	.10	0	1 0	0	0
8	0	0	0	0	3.8	2.5	2.1	.10	0	3.2	0	0
9	0	0	0	0	2.5	2.0	2.1	.10	0	5.2	0	0
10	0	0	0	0	2.0	1.8	1.6	.10	0	3.2	0	0
11	0	0	0	0	4.6	1.8	1.2	.10	0	2.1	0	0
12	0	0	0	.20	9.1	1.6	.90	.10	0	1.5	0	0
13	0	0	0	.30	11	3.6	.70	.10	0	1.1	0	0
14	0	0	0	.40	9 1	3 8	.50	.30	0	1.5	0	0
15	0	0	0	.60	5.5	3.6	.40	.20	0	3.6	0	0
16	0	0	0	.40	4 0	3.2	.30	.20	0	2.0	0	0
17	0	0	0	.50	3.0	2.6	.20	0	0	1.5	0	0
18	0	0	0	1.1	2.5	2.3	.10	0	2.2	1.0	0	0
19	0	0	0	1.2	2.8	2.0	.10	0	12	.70	.10	0
20	0	0	0	3.6	3.0	3.2	.10	0	15	.60	.30	0
21	0	0	0	3.8	2.6	4.5	.10	.10	9.5	.70	.50	0
22	0	0	0	1.8	2.1	3.4	0	0	7.6	.60	.20	0
23	0	0	0	1.2	2.0	2.5	0	.30	18	.40	.10	0
24	0	0	0	1.1	6.8	1.8	0	.20	22	.50	0	0
25	0	0	0	1.1	9.5	1.6	0	.10	27	.40	0	0
26	0	0	0	1.1	11	3.5	0	.10	44	.30	0	0
27	0	0	0	1.0	10	5 2	0	0	24	.20	0	0
28	0	0	0	1.0	6.2	4.0	0	.10	16	.10	0	0
29	0	0	.10	.90	-----	3.0	0	1.6	9.5	.10	0	.30
30	0	0	.10	1.2	-----	2.5	1.5	1 8	5.2	.10	0	.20
31	0	0	0	1.5	-----	2.0	-----	1 2	-----	0	0	-----
TOTAL	0	0	0.20	24.10	134.6	94.1	18.90	12.50	212.90	43.40	1.30	0.50
MEAN	0	0	.007	.78	4.81	3 00	.63	.40	7.10	1.40	.042	.017
MAX	0	0	.10	3.8	11	5.2	2.1	2 3	44	5.2	.50	.30
MIN	0	0	0	0	1.2	1.6	0	0	0	0	0	0
CFSM	0	0	.0009	.11	.68	.42	.09	.06	1.00	.20	.006	.002
IN.	0	0	.001	.13	.71	.49	.10	.07	1.12	.23	.007	.003
CAL YR 1962	TOTAL	761.50	MEAN	2.09	MAX	109	MIN	0	CFSM	.29	IN	3.99
WAT YR 1963	TOTAL	541.50	MEAN	1.48	MAX	44	MIN	0	CFSM	.21	IN	2.84



## SATILLA RIVER BASIN

2-2267 Whitehead Creek near Denton, Ga

Location --Lat 31°44', long 82°41', on left bank at downstream side of bridge on U S Highway 221 and State Highway 135, 1 0 mile northeast of Denton, Jeff Davis County, and 5 1 miles upstream from mouth

Drainage area --28 sq mi, approximately

Records available --July 1956 to September 1963 (discontinued)

Gage --Water-stage recorder Prior to Sept 11, 1956, reference point at same site and datum

Average discharge --7 years, 18 1 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (115 cfs), water years 1961-63											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Mar 21, 1961	1500	127	2 98	Apr 2, 1962	0100	* 650	5 02	July 1, 1963	0800	221	3 78
Apr 2, 1961	1000	169	3 52	Apr 8, 1962	1100	117	2 92	July 10, 1963	0300	315	4 20
Apr 12, 1961	2300	254	3 89					July 24, 1963	1500	177	5 56
Apr 16, 1961	1300	* 890	5 62	Feb 15, 1963	1500	141	3 34				
				June 20, 1963	0500	223	3 79				
Mar 16, 1962	0100	127	2 98	June 24, 1963	1400	* 730	5 45				

No flow at times each water year, 1951-65

1956-63 Maximum discharge, 1,160 cfs Mar 6, 1959 (gage height, 6 24 ft), no flow at times each year

Remarks --Records fair

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	0	0	0	0	2.4	21	144	8.2	.10	1.6	0	5.6	
2	0	0	0	0	2.0	21	161	7.6	0	.30	0	7.6	
3	0	0	0	0	2.0	21	110	6.1	0	.10	0	19	
4	0	0	0	0	2.0	20	62	4.2	0	0	0	10	
5	0	0	0	0	2.0	23	36	2.4	0	0	0	5.6	
6	0	0	0	0	1.8	23	23	1.8	0	0	0	4.1	
7	0	0	0	0	12	21	19	1.3	0	0	0	7.5	
8	0	0	0	0	23	20	17	.90	0	0	0	8.5	
9	0	0	0	0	20	13	17	1.0	0	0	0	8.0	
10	0	0	0	0	11	9.8	31	2.9	0	0	.80	8.5	
11	0	0	0	0	7.0	7.6	31	5.2	0	0	6.1	9.5	
12	0	0	0	0	4.8	5.6	94	7.6	0	3.8	2.4	7.0	
13	0	0	0	0	4.1	4.8	212	7.0	0	2.9	1.2	5.5	
14	0	0	0	0	3.4	4.1	176	6.1	0	1.6	.40	4.0	
15	0	0	0	0	3.2	3.4	178	3.8	0	.50	.10	6.5	
16	0	0	0	0	2.6	2.9	790	2.0	0	.10	0	7.5	
17	0	0	0	0	2.2	2.4	435	1.0	0	0	0	6.0	
18	0	0	0	.30	2.2	8.2	151	.40	0	0	0	3.5	
19	0	0	0	.50	15	38	99	.10	0	0	0	2.5	
20	0	0	0	.60	26	38	59	0	0	0	.20	1.5	
21	0	0	0	.60	22	104	37	0	0	0	.40	1.2	
22	0	0	0	.60	13	99	24	0	0	0	1.2	1.0	
23	0	0	0	.60	44	71	18	0	0	0	1.0	.60	
24	0	0	0	.50	95	40	13	0	0	0	.70	.10	
25	0	0	0	.60	80	24	9.8	0	0	0	1.3	0	
26	0	0	0	1.8	51	16	7.6	.10	0	0	11	0	
27	0	0	0	4.5	39	11	8.2	1.6	0	0	18	0	
28	0	0	0	4.8	26	8.7	24	1.8	.10	0	7.6	0	
29	0	0	0	4.5	-----	7.0	22	1.6	1.8	0	4.5	0	
30	0	0	0	4.1	-----	5.6	13	.80	5.2	0	6.5	0	
31	0	-----	0	3.2	-----	39	-----	.20	-----	0	8.7	-----	
TOTAL	0	0	0	27.20	518.7	733.1	3,021.6	75.70	7.20	10.90	72.10	140.80	
MEAN	0	0	0	.88	16.5	23.6	101	2.44	.24	.35	2.33	4.69	
MAX	0	0	0	4.8	95	104	790	8.2	5.2	3.8	18	19	
MIN	0	0	0	0	1.8	2.4	7.6	0	0	0	0	0	
CFSM	0	0	0	.03	.66	.84	3.60	.09	.009	.01	.08	.17	
IN.	0	0	0	.04	.69	.97	4.01	.10	.01	.01	.10	.19	
CAL YR 1960	TOTAL 9,457.20			MEAN 25.8		MAX 920		MIN 0		CFSM .92		IN 12.56	
WAT YR 1961.	TOTAL 4,607.30			MEAN 12.6		MAX 790		MIN 0		CFSM .45		IN 6.12	

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DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	5.0	17	15	501	19	0	.20	0	0
2	0	0	0	7.6	14	25	495	12	0	.10	0	0
3	0	0	0	7.6	11	71	239	7.0	0	0	0	0
4	0	0	0	6.0	9.2	84	119	3.9	0	0	0	0
5	0	0	0	4.7	8.3	66	67	2.3	0	.90	0	0
6	0	0	0	10	7.4	43	46	1.8	0	2.9	0	0
7	0	0	0	23	6.7	28	75	3.6	0	3.6	0	0
8	0	0	0	21	5.8	20	111	3.1	0	2.7	0	0
9	0	0	0	16	5.8	16	89	1.5	0	1.5	0	0
10	0	0	0	12	9.9	14	65	.70	0	.50	0	0
11	0	0	0	9.9	13	14	43	.20	0	.10	0	0
12	0	0	0	8.7	12	30	34	.10	16	0	0	0
13	0	0	0	7.4	9.2	51	35	0	42	0	0	0
14	0	0	0	6.7	7.9	38	27	0	45	0	0	0
15	0	0	2.0	6.5	6.7	79	21	0	28	0	0	0
16	0	0	1.8	6.4	8.1	124	15	0	17	0	0	0
17	0	0	1.5	6.2	12	99	13	0	9.2	0	0	0
18	0	0	4.4	5.5	12	57	10	0	5.0	0	0	0
19	0	0	6.5	6.5	37	34	8.7	0	2.4	0	0	0
20	0	0	6.5	9.2	92	24	7.2	0	1.0	0	0	0
21	0	0	4.7	9.7	99	20	5.5	0	.30	0	0	0
22	0	0	3.4	9.2	61	17	4.4	0	1.0	0	0	0
23	0	0	2.4	8.3	39	21	3.4	0	61	0	0	0
24	0	0	1.8	7.4	28	24	2.6	0	41	0	0	0
25	0	0	1.3	7.2	30	21	1.9	0	18	0	0	0
26	0	0	1.1	6.5	26	21	1.6	0	7.4	0	0	0
27	0	0	9.8	22	18	3	3.0	0	3.1	0	0	0
28	0	0	1.7	59	18	14	5.5	0	1.5	0	0	0
29	0	0	2.2	64	-----	12	22	0	.90	0	0	0
30	0	0	2.4	58	-----	10	24	0	.50	0	0	0
31	0	0	2.4	27	-----	26	-----	0	-----	0	0	0
TOTAL	0	0	47.2	451.0	628.0	1,136	2,094.8	55.20	300.30	12.50	0	0
MEAN	0	0	1.52	14.5	20.4	36.5	69.8	1.78	10.0	4.0	0	0
MAX	0	0	6.5	64	99	124	501	19	61	3.6	0	0
MIN	0	0	0	4.7	5.8	10	1.6	0	0	0	0	0
CFSM	0	0	.05	.52	.80	1.31	2.49	.06	.36	.01	0	0
IN.	0	0	.06	.60	.83	1.51	2.78	.07	.40	.02	0	0
CAL YR	1961	1962	TOTAL	4,654.50	MEAN	12.8	MAX	790	MIN	0	CFSM	.46
				4,725.00	MEAN	12.9	MAX	501	MIN	0	IN	6.28

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963												
CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	6.7	24	14	6.7	7.2	195	3.4	0
2	0	0	0	0	7.0	24	11	7.6	6.7	104	3.2	0
3	0	0	0	0	9.9	22	8.7	6.8	2.4	45	1.9	0
4	0	0	0	0	13	20	6.8	3.3	1.1	22	1.0	0
5	0	0	0	0	16	18	5.1	1.8	.50	12	.50	0
6	0	0	0	0	24	18	4.4	1.0	.20	6.7	.20	0
7	0	0	0	0	32	16	13	.60	0	4.8	0	0
8	0	0	0	0	35	14	18	.30	0	3.8	0	0
9	0	0	0	0	28	13	16	.10	0	22.9	0	0
10	0	0	0	0	20	11	12	0	0	257	0	0
11	0	0	0	0	20	10	9.2	0	0	121	0	0
12	0	0	0	0	60	9.4	6.7	0	0	50	0	0
13	0	0	0	0	124	22	4.8	0	0	26	0	0
14	0	0	0	0	90	49	3.6	0	0	14	0	0
15	0	0	0	0	46	47	2.5	0	0	11	0	0
16	0	0	0	0	30	36	1.8	0	0	9.4	0	0
17	0	0	0	0	23	27	1.4	0	0	9.4	0	0
18	0	0	0	0	20	22	1.0	0	0	8.7	0	0
19	0	0	0	0	20	18	.70	0	0	6.4	0	0
20	0	0	0	0	22	19	.50	0	205	6.1	0	0
21	0	0	0	0	22	25	.20	0	150	4.1	.10	0
22	0	0	0	0	19	21	.10	0	105	2.9	.10	0
23	0	0	0	15	16	17	0	0	182	3.3	.40	0
24	0	0	0	11	35	12	0	0	630	113	1.0	0
25	0	0	0	7.4	69	9.7	0	.30	340	111	.60	0
26	0	0	0	6.1	68	12	0	.30	189	73	.20	0
27	0	0	0	5.9	49	52	0	.10	153	40	.10	0
28	0	0	0	5.9	32	54	0	0	95	24	0	0
29	0	0	0	5.8	-----	48	0	.80	52	14	0	.50
30	0	0	0	5.8	-----	29	.90	6.3	80	8.1	0	.20
31	0	-----	0	6.5	-----	19	-----	7.4	-----	4.8	0	-----
TOTAL	0	0	0	59.4	556.6	748.1	142.40	43.40	2,268.50	1,577.2	12.70	0.70
MEAN	0	0	0	2.24	34.2	23.8	6.75	1.40	75.6	50.9	.41	.023
MAX	0	0	0	15	124	54	18	7.6	630	257	3.4	.50
MIN	0	0	0	0	6.7	9.4	0	0	0	2.9	0	0
CFSM	0	0	0	.08	1.22	.85	.17	.05	2.70	1.82	.01	.0008
IN.	0	0	0	.09	1.27	.98	.19	.06	3.01	2.09	.02	.0009
CAL YR	1962:	TOTAL	4,677.80		MEAN	12.8			CFSM	.46	IN	6.21
WAT YR	1963:	TOTAL	5,809.00		MEAN	15.9	MAX	630	MIN	0	IN	7.72

2-2269 Hurricane Creek near Hazlehurst, Ga

Location --Lat 31°41', long 82°34', on downstream side of highway bridge, 4 8 miles downstream from Whitehead Creek, and 13 miles south of Hazlehurst, Jeff Davis County

Drainage area --102 sq mi

Records available --July 1956 to September 1963 (discontinued)

Gage --Water-stage recorder Prior to Sept 21, 1956, staff gage at same site and datum

Average discharge --7 years, 75 4 cfs

Extremes --Maximum and minimum discharges for the water years 1961-63 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 17, 1961	2,580	7 47	Many days	0	-
1962	Apr 3, 1962	1,700	6 57	do	0	-
1963	June 25, 1963	1,330	5 92	do	0	-

1956-63 Maximum discharge, 3,580 cfs Mar 7, 1959 (gage height, 8 15 ft), no flow at times each year

Remarks --Records fair

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	16	111	254	60	3.5	3.5	0	327
2	0	0	0	0	14	95	280	49	1.9	2.1	0	414
3	0	0	0	0	13	76	390	39	.80	1.6	0	296
4	0	0	0	1.2	12	64	430	31	.30	1.70	0	165
5	0	0	0	1.2	11	65	293	25	.10	13	0	104
6	0	0	0	1.1	10	64	181	70	0	24	.30	100
7	0	0	0	1.0	24	65	116	16	0	6.9	.70	88
8	0	0	0	1.0	40	62	87	12	0	2.9	.60	112
9	0	0	0	.90	34	57	81	6 4	0	2.0	4.0	118
10	0	0	0	.80	39	48	118	14	0	8.0	10	116
11	0	0	0	.80	34	39	178	18	0	16	14	134
12	0	0	0	.80	27	31	205	18	0	27	42	106
13	0	0	0	1.2	26	24	426	16	0	20	62	77
14	0	0	0	11	39	21	655	16	14	34	57	74
15	0	0	0	19	20	18	880	14	0	7.6	16	56
16	0	0	0	11	14	15	1,380	9.5	0	4.6	8.3	53
17	0	0	0	5.9	16	12	2,350	5.9	0	2.7	4.9	42
18	0	0	0	3.8	14	31	1,480	4.0	0	1.6	3.1	29
19	0	0	0	3.1	23	88	768	2.6	0	1.0	2.2	21
20	0	0	0	4.0	35	87	410	1.6	0	9.2	3.6	18
21	0	0	0	4.2	43	154	247	.80	0	9.9	17	17
22	0	0	0	3.3	52	218	163	.50	5.3	4.9	32	13
23	0	0	0	2.6	97	264	108	.70	4.9	2.3	64	8.7
24	0	0	0	2.3	144	257	77	1.5	2.0	1.1	103	5.6
25	0	0	0	3.3	159	218	56	2.3	.60	.40	112	4.2
26	0	0	0	10	176	142	46	4.0	.70	2.7	156	2.9
27	0	0	0	22	167	90	43	18	3.1	2.2	161	2.1
28	0	0	0	18	144	64	54	27	5.9	.80	121	1.3
29	0	0	0	14	-----	48	67	18	8.3	.30	85	.80
30	0	0	0	17	-----	39	70	9.9	7.6	.10	78	.80
31	0	0	0	16	-----	108	-----	5.9	-----	0	182	-----
TOTAL	0	0	0	180.50	1,445	2,675	11,843	466.60	45.00	193.10	1,316.70	2,489.40
MEAN	0	0	0	5.82	51.6	86.3	395	15.1	1.50	6.23	42.5	83.0
MAX	0	0	0	22	176	264	2,350	60	8.3	27	182	414
MIN	0	0	0	0	10	12	43	.50	0	0	0	.80
CFSM	0	0	0	.06	.51	.85	3.87	.15	.01	.06	.42	.81
IN.	0	0	0	.07	.53	.98	4.32	.17	.02	.07	.48	.91
CAL YR 1960	TOTAL 33,611.40			MEAN 91.8			MAX 3,040			MIN 0		
WAT YR 1961	TOTAL 20,664.30			MEAN 66.6			MAX 2,350			CFSM .55		
										IN 14.25		

## 2-2269 Hurricane Creek near Hazlehurst, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.2	0	1.2	31	194	109	574	74	0	1.3	0	0
2	1.7	0	1.1	42	138	119	1,580	6.7	0	.50	0	.20
3	1.6	0	1.0	42	92	198	1,510	4.3	0	.20	0	.80
4	1.1	0	1.0	41	70	272	905	25	0	.40	0	.30
5	1.0	0	.90	39	58	314	506	16	0	2.0	0	.10
6	1.1	0	1.2	82	50	314	285	11	0	4.3	0	.40
7	.80	0	2.1	148	44	240	218	6.7	0	5.6	0	2.6
8	.70	0	2.5	132	40	174	225	4.4	0	6.2	0	3.4
9	.30	0	2.1	118	37	121	299	3.1	0	5.4	0	1.8
10	.10	0	1.7	103	53	95	330	3.1	0	8.7	0	1.0
11	0	0	1.5	90	64	84	274	3.1	0	5.4	0	.60
12	0	0	2.9	73	65	85	207	2.3	0	2.5	0	.50
13	0	0	.50	60	61	125	163	1.9	0	1.3	0	2.0
14	0	0	.61	52	54	156	140	1.5	0	.90	0	1.0
15	0	0	.33	48	45	203	127	.80	6.4	.20	0	.60
16	0	0	.27	49	47	274	111	.30	35	0	0	.40
17	0	0	.24	45	56	296	187	.10	28	0	0	.20
18	0	0	.43	42	58	280	66	0	16	0	0	.10
19	0	0	.83	43	94	236	53	0	8.0	0	0	0
20	0	0	.54	53	203	170	43	0	3.5	0	0	0
21	0	0	.42	56	257	116	36	0	2.0	0	0	0
22	0	0	.35	57	327	90	30	0	1.2	0	0	0
23	0	0	.29	56	330	94	25	0	1.2	0	0	0
24	0	4.7	.24	53	254	106	20	0	1.8	0	0	0
25	0	9.1	.20	48	187	101	18	0	38	0	.30	.10
26	0	4.2	.18	44	146	94	17	0	42	0	2.5	.20
27	0	2.5	.16	44	132	87	14	0	26	0	2.9	.10
28	0	1.9	.19	116	127	78	15	0	11	0	2.8	.10
29	0	1.5	.22	176	-----	65	49	0	5.4	0	1.3	0
30	0	1.3	.20	196	-----	54	71	0	2.6	0	.60	0
31	0	-----	.20	211	-----	68	-----	0	-----	0	.20	-----
TOTAL	9.60	25.2	659.20	2,390	3,283	4,818	7,698	258.30	228.1	44.90	10.60	16.50
MEAN	.31	.84	21.3	77.1	117	155	257	8.33	7.60	1.45	.34	.55
MAX	1.7	9.1	.83	211	330	314	1,510	74	42	8.7	2.9	3.4
MIN	0	0	.90	31	37	54	14	0	0	0	0	0
CFSM	.003	.008	.21	.76	1.15	1.52	2.52	.08	.07	.01	.003	.005
IN.	.004	.009	.24	.87	1.20	1.76	2.81	.09	.08	.02	.004	.006
CAL YR 1961	TOTAL	21,348.30	MEAN	58.5	MAX	2,350	MIN	0	CFSM	.57	IN	7.78
WAT YR 1962	TOTAL	19,441.40	MEAN	53.3	MAX	1,510	MIN	0	CFSM	.52	IN	7.09

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	2.5	30	205	127	12	12	192	22	.80
2	0	0	0	1.9	27	152	84	20	14	183	15	1.3
3	0	0	0	1.3	40	119	60	24	9.9	264	12	.60
4	0	0	0	1.1	55	106	45	24	7.6	207	9.5	.60
5	0	0	0	.90	54	97	35	20	4.3	106	6.2	.60
6	0	0	0	.90	91	92	31	12	2.2	46	3.8	.30
7	0	0	0	1.2	127	85	49	6.4	1.7	23	2.1	.10
8	0	0	0	1.3	125	74	61	3.8	.80	32	1.1	0
9	0	0	0	1.3	119	67	76	2.2	.30	111	.60	0
10	0	0	0	1.2	121	61	80	1.3	0	247	.20	0
11	0	0	0	1.0	118	54	73	.70	0	410	.10	0
12	0	0	0	2.1	170	49	57	.30	0	390	0	0
13	0	0	0	7.9	192	53	42	.20	0	231	0	0
14	0	0	0	12	227	95	30	.30	0	116	0	0
15	0	0	0	8.0	308	142	22	.30	0	55	0	0
16	0	0	0	5.1	264	165	18	.30	0	61	0	0
17	0	0	0	4.2	181	156	14	.50	0	218	0	0
18	0	0	0	5.6	119	136	11	.30	1.0	178	0	0
19	0	0	0	8.0	98	106	8.3	.20	14	97	0	0
20	0	0	0	26	90	94	5.9	.10	136	47	.10	0
21	0	0	0	97	83	98	4.2	.10	299	32	2.2	0
22	0	0	0	61	80	98	2.7	1.1	488	28	2.6	0
23	0	0	0	33	74	100	1.7	1.0	488	29	1.3	0
24	0	0	0	26	94	88	1.1	.80	700	112	1.0	0
25	0	0	0	30	154	73	.70	.80	1,160	181	3.6	0
26	0	0	0	30	209	60	.50	.60	1,260	242	2.2	0
27	0	0	.80	32	233	103	.30	.30	1,060	227	1.3	0
28	0	0	1.9	30	238	170	.20	.10	790	198	.70	0
29	0	0	2.3	24	-----	203	.10	30	484	118	.30	0
30	0	0	3.1	24	-----	207	.80	2.0	285	65	.10	0
31	0	-----	3.8	30	-----	189	-----	9.0	-----	37	.30	-----
TOTAL	0	0	11.90	510.50	3,721	3,497	941.50	145.00	7,217.80	4,483	88.30	4.30
MEAN	0	0	.38	16.5	113	113	31.4	4.68	24.1	145	2.85	1.4
MAX	0	0	3.8	97	308	207	127	24	1,260	410	22	1.3
MIN	0	0	0	.90	27	49	.10	.10	0	23	0	0
CFSM	0	0	.004	.16	1.30	1.11	.31	.05	2.36	1.42	.03	.001
IN.	0	0	.004	.19	1.36	1.28	.34	.05	2.63	1.63	.03	.002
CAL YR 1962	TOTAL	18,759.30	MEAN	51.6	MAX	1,510	MIN	0	CFSM	.50	IN	6.84
WAT YR 1963	TOTAL	20,620.30	MEAN	56.5	MAX	1,260	MIN	0	CFSM	.55	IN	7.52

## SATILLA RIVER BASIN

2-2270 Hurricane Creek near Alma, Ga

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

Drainage area --150 sq mi, approximately

Records available --October 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 136.44 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Jan 21, 1965, graphic water-stage recorder at same site and datum

Average discharge --14 years, 102 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (450 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Apr 5, 1961	1700	530	4.92	July 13, 1963	1400	457	4.94	Oct 19, 1964	1100	910	5.86
Apr 16, 1961	1900	* 2,420	7.76	July 18, 1963	0900	509	5.07	Dec 5, 1964	1200	* 2,780	8.1
Aug 27, 1961	0500	530	5.02					Feb 17, 1965	1500	940	5.89
Sept 2, 1961	0100	825	5.62	Jan 21, 1964	1700	742	5.54	Mar 1, 1965	0100	888	5.44
				Feb 22, 1964	0100	* 1,340	6.48	Mar 17, 1965	0400	505	5.06
Apr 4, 1962	0900	* 1,690	6.94	Mar 3, 1964	0700	* 1,570	6.79	Mar 21, 1965	2400	655	5.59
				May 3, 1964	0800	688	5.43	Mar 28, 1965	1500	852	5.77
June 27, 1963	0800	* 1,410	6.60	July 26, 1964	2100	715	5.50				

No flow at times each water year, 1951-65

1951-65 Maximum discharge, 4,450 cfs Sept 29, 1953 (gage height, 9.4 ft), no flow at times each year

Remarks --Records good except those below 50 cfs and those Dec 6, 1964, to Jan 4, 1965, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.1	1.0	1.5	17	40	246	460	101	13	18	.30	560
2	3.2	.90	1.4	18	37	254	509	101	7.5	41	.20	715
3	4.3	.90	1.3	16	37	226	445	88	4.4	25	.20	573
4	1.5	.80	1.3	11	37	185	426	72	2.6	10	4.5	488
5	1.1	.70	1.5	7.9	35	164	509	58	1.5	6.4	8.3	333
6	1.6	.60	1.6	6.1	31	158	484	49	1.0	4.4	3.6	308
7	27	1.6	1.6	5.5	48	139	376	40	.60	2.6	2.6	271
8	28	.50	1.6	5.5	71	130	267	33	.40	15	4.9	212
9	16	.60	1.6	5.2	78	126	187	27	.20	8.3	52	212
10	8.3	.60	1.6	4.6	71	119	234	55	.10	5.8	82	219
11	4.9	.80	3.7	4.1	62	107	254	60	.10	5.8	101	187
12	3.2	1.2	10	4.1	58	96	276	46	.30	21	71	166
13	2.1	1.4	8.3	5.8	52	85	394	38	1.3	62	47	158
14	1.6	1.4	7.1	58	46	76	480	32	6.7	51	88	130
15	1.3	1.3	7.9	78	44	66	804	26	35	29	90	106
16	1.1	1.3	13	58	49	60	2,170	21	21	18	58	96
17	1.0	1.3	9.1	41	37	54	2,080	16	9.1	9.5	34	82
18	4.5	1.3	6.7	28	30	80	2,320	12	6.4	6.7	20	67
19	3.0	1.4	5.5	21	66	182	1,860	9.1	4.4	5.5	21	56
20	1.6	1.4	4.6	22	75	200	1,060	7.1	3.2	3.6	43	49
21	2.0	1.4	6.4	20	67	214	601	4.9	18	3.4	48	43
22	1.1	1.4	10	17	67	203	400	3.4	52	3.6	65	36
23	.80	1.4	7.5	14	146	249	282	4.0	41	6.1	116	30
24	.80	2.0	6.7	13	234	290	203	10	20	4.9	121	24
25	.60	2.0	6.1	14	242	314	148	12	13	2.8	293	18
26	.50	1.9	5.2	31	246	302	116	14	9.1	1.7	488	17
27	.80	1.9	4.6	66	239	254	98	39	33	1.1	488	24
28	.50	1.9	4.4	72	242	182	109	54	65	.90	356	21
29	.60	1.7	3.8	63	-----	126	109	43	35	1.1	268	12
30	.40	1.6	4.6	54	-----	96	98	37	22	.80	214	9.5
31	.60	-----	6.7	42	-----	199	-----	23	-----	.50	226	-----
TOTAL	126.10	37.20	156.9	822.8	2,487	5,182	17,759	1,135.5	426.90	375.50	3,414.60	5,222.5
MEAN	4.07	1.24	5.06	26.5	88.8	167	592	36.6	14.2	12.1	110	174
MAX	28	2.0	13	78	246	314	2,320	101	65	62	488	715
MIN	.40	.50	1.3	4.1	30	54	98	3.4	.10	.50	.20	9.5
CFSM	.03	.008	.03	.18	.59	1.11	3.95	.24	.09	.08	.73	1.16
IN.	.03	.009	.04	.20	.62	1.28	4.40	.28	.11	.09	.85	1.29

CAL YR 1960: TOTAL 41,693.20 MEAN 114 MAX 3,000 MIN 0 CFSM .76 IN 10.34  
 MAY YR 1961: TOTAL 37,146.00 MEAN 102 MAX 2,320 MIN .10 CFSM .68 IN 9.21

2-2270. Hurricane Creek near Alma, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	29	1.3	8.3	52	236	158	480	75	0	3.4	0	0
2	24	1.1	7.1	63	232	191	852	74	0	1.6	0	0
3	16	1.0	6.7	67	200	260	1,240	68	0	.80	0	0
4	11	1.0	6.4	66	148	282	1,610	56	.20	1.6	0	0
5	8.7	1.0	6.1	61	104	314	1,200	41	.40	10	0	0
6	7.5	1.1	6.1	78	83	343	742	25	.20	10	0	0
7	6.1	1.4	7.5	200	72	356	517	15	.10	4.9	0	0
8	12	2.1	7.1	276	63	324	383	9.1	.10	5.8	0	0
9	12	2.3	7.1	244	58	252	305	5.5	.10	10	0	0
10	12	1.9	7.5	193	65	187	305	3.6	.10	8.7	0	0
11	10	1.6	7.9	166	74	143	349	2.4	.30	5.8	0	0
12	7.9	1.3	9.5	145	79	125	343	1.9	.90	3.0	0	0
13	4.9	1.3	58	125	76	118	288	1.4	1.3	2.4	0	0
14	3.2	1.3	89	101	76	119	224	1.0	.90	2.0	0	0
15	2.4	1.4	101	89	72	248	178	.70	.50	1.6	0	0
16	2.1	1.4	94	83	81	346	154	.50	.30	1.0	0	0
17	2.3	1.4	72	78	98	349	135	.30	.30	.50	0	0
18	2.4	1.3	72	75	89	349	116	.10	.10	.30	0	0
19	2.3	1.4	114	72	101	336	94	0	0	.20	0	0
20	2.1	1.4	121	79	148	299	75	0	3.6	.10	0	0
21	1.9	1.4	112	85	198	246	62	0	4.6	0	0	0
22	1.9	1.5	82	86	260	178	52	0	3.8	0	0	0
23	1.3	23	66	85	299	150	43	0	5.5	0	0	0
24	.90	58	57	83	356	139	36	0	5.2	0	0	0
25	1.6	59	51	82	349	135	31	0	3.0	0	0	0
26	3.2	24	44	78	285	135	25	0	1.2	0	0	0
27	2.6	18	40	78	214	126	23	0	3.8	0	0	0
28	2.0	18	41	168	174	112	22	0	24	0	0	0
29	1.6	13	43	226	-----	100	26	0	18	0	0	0
30	1.4	10	43	242	-----	89	54	0	7.9	0	0	0
31	1.5	-----	43	239	-----	96	-----	0	-----	0	0	-----
TOTAL	197.80	233.9	1,430.3	3,755	4,290	6,603	9,964	380.50	86.40	73.70	0	0
MEAN	6.38	7.80	46.1	121	155	213	332	12.3	2.88	2.38	0	0
MAX	29	58	121	276	356	356	1,610	75	24	10	0	0
MIN	.90	1.0	6.1	58	58	58	22	0	0	0	0	0
CFSM	.04	.09	.31	.81	1.02	1.42	2.21	.08	.02	.02	0	0
IN.	.05	.06	.35	.93	1.06	1.64	2.47	.09	.02	.02	0	0

CAL YR 1961 TOTAL 38,687.80 MEAN 106 MAX 2,320 MIN .10 CFSM .71 IN 9.59  
 MAY YR 1962 TOTAL 27,014.60 MEAN 74.0 MAX 1,610 MIN 0 CFSM .49 IN 6.70

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	6.7	56	296	217	4.1	.30	449	71	6.7
2	0	0	0	7.1	51	302	193	5.5	.20	305	52	9.5
3	0	0	0	7.1	63	268	134	8.3	.10	212	36	6.4
4	0	0	0	6.7	71	212	86	19	.50	229	22	3.2
5	0	0	0	5.8	86	174	62	24	4.1	268	13	1.9
6	0	0	0	5.5	128	166	52	23	3.2	198	9.1	1.2
7	0	0	0	7.9	156	156	71	19	2.4	107	6.4	.80
8	0	0	0	9.1	187	139	86	12	1.7	89	4.4	.50
9	0	0	0	7.5	187	123	85	6.1	1.3	178	2.6	.30
10	0	0	0	6.7	172	107	81	3.4	1.3	166	1.7	.10
11	0	0	0	5.8	172	98	86	1.9	3.0	207	1.4	.10
12	0	0	0	11	244	89	82	1.1	1.3	327	1.0	0
13	0	0	0	17	290	88	75	.90	.70	441	.70	0
14	0	0	0	22	285	90	58	.80	.30	372	.40	0
15	0	0	0	31	273	111	43	.90	.10	234	.50	0
16	0	0	0	28	305	150	32	1.0	.10	164	.70	0
17	0	0	0	24	356	185	24	1.7	0	386	3.0	0
18	0	0	0	23	305	196	17	1.2	1.4	488	4.9	0
19	0	0	0	23	244	187	12	2.6	21	419	3.6	0
20	0	0	0	38	203	164	8.7	3.6	28	336	11	0
21	0	0	0	79	172	134	6.1	5.2	52	176	62	0
22	0	0	0	125	145	118	4.1	4.6	184	104	63	0
23	0	0	0	147	126	116	2.8	3.4	400	78	38	0
24	0	0	0	96	143	112	2.0	2.1	542	65	27	0
25	0	0	0	63	174	109	1.5	1.6	601	125	11	0
26	0	0	.10	51	207	101	1.2	1.2	1,100	226	5.2	0
27	0	0	2.4	55	242	121	.90	.90	1,380	273	3.2	0
28	0	0	2.6	56	276	125	.70	.70	1,200	288	2.8	0
29	0	0	2.6	57	-----	152	-----	1.0	970	262	2.4	1.6
30	0	0	3.4	56	-----	196	1.0	.80	655	207	1.7	6.7
31	0	-----	4.9	55	-----	217	-----	.50	-----	125	2.4	-----
TOTAL	0	0	16.00	1,132.9	5,325	4,802	1,525.60	162.10	7,155.00	7,504	464.10	39.90
MEAN	0	0	.52	36.5	190	155	50.9	5.23	239	242	15.0	1.30
MAX	0	0	4.9	147	356	302	217	24	1,380	488	71	9.5
MIN	0	0	0	5.5	56	88	.60	.50	0	65	.40	0
CFSM	0	0	.003	.24	1.27	1.03	.34	.03	1.59	1.61	.10	.009
IN.	0	0	.004	.28	1.32	1.19	.38	.04	1.77	1.86	.12	.01

CAL YR 1962 TOTAL 25,168.60 MEAN 69.0 MAX 1,610 MIN 0 CFSM .46 IN 6.24  
 MAY YR 1963: TOTAL 28,125.70 MEAN 77.1 MAX 1,380 MIN 0 CFSM .51 IN 6.97

## 2-2270 Hurricane Creek near Alma, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.4	0	1.5	13	172	1,170	145	468	0	0	352	100
2	3.4	0	1.2	14	166	1,300	139	555	0	0	330	86
3	2.3	0	1.0	16	156	1,530	121	660	0	12	327	62
4	1.5	0	.80	17	147	1,410	109	569	0	182	236	42
5	1.0	0	.80	19	145	1,100	101	492	0	125	193	26
6	.80	0	.80	21	178	940	94	460	0	132	187	15
7	.50	0	.80	27	198	880	139	457	0	76	147	11
8	.40	0	.90	48	257	742	168	383	0	43	185	13
9	.20	0	1.2	111	288	573	234	273	0	25	176	8.3
10	.10	0	1.2	148	305	430	254	168	0	14	109	11
11	.10	0	1.2	152	327	339	271	96	0	16	79	24
12	0	0	1.6	282	333	276	271	67	0	12	83	138
13	0	0	12	394	317	236	246	51	0	11	121	265
14	0	0	24	390	288	207	212	39	0	27	121	311
15	0	0	22	404	242	198	176	29	0	40	104	343
16	0	0	18	468	219	200	139	22	0	23	88	330
17	.10	0	21	635	210	187	107	16	0	16	62	285
18	.10	0	16	660	380	174	95	10	0	49	50	244
19	0	0	12	578	715	185	88	7.9	0	95	42	182
20	0	0	10	596	970	219	75	5.2	0	88	32	104
21	0	0	8.3	715	1,270	217	65	3.6	0	85	28	65
22	0	0	7.1	655	1,270	191	52	2.4	0	106	30	46
23	0	0	7.5	509	910	160	43	1.9	0	109	31	34
24	0	0	8.7	386	587	148	36	1.3	0	152	43	25
25	0	0	9.1	311	437	137	30	1.0	0	271	36	17
26	0	0	9.5	260	404	147	25	.90	0	492	22	12
27	0	0	10	222	408	154	43	.80	0	560	13	9.1
28	0	0	10	203	825	147	181	.60	0	542	14	7.5
29	0	1.0	9.1	189	1,060	147	271	.40	0	538	71	5.8
30	0	2.0	7.9	178	-----	145	343	.20	0	560	95	4.6
31	0	-----	7.9	172	-----	143	-----	.10	-----	468	85	-----
TOTAL	16.90	3.0	243.10	8,793	13,184	14,032	4,273	4,841.30	0	4,869	3,492	2,826.3
MEAN	.55	.10	7.84	284	453	453	142	156	0	157	113	96.2
MAX	6.4	2.0	24	715	1,270	1,530	343	660	0	560	352	343
MIN	0	0	.80	13	145	137	25	.10	0	0	13	4.6
CFSM	.004	.0006	.05	1.89	3.03	3.02	.95	1.04	0	1.05	.75	.63
IN.	.004	.0007	.06	2.18	3.27	3.48	1.06	1.20	0	1.21	.87	.70
CAL YR 1963-	TOTAL 28,372.70	MEAN 77.7	MAX 1,380	MIN 0	CFSM .52	IN 7.03						
WAT YR 1964	TOTAL 56,573.60	MEAN 155	MAX 1,530	MIN 0	CFSM 1.03	IN 14.03						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.6	48	54	240	158	645	794	53	0	3.8	2.0	100
2	4.4	44	48	220	146	600	645	36	0	6.9	5.0	191
3	6.1	42	46	220	149	582	508	24	0	5.4	3.0	244
4	32	39	1,020	190	143	561	433	15	0	2.3	1.5	210
5	72	36	2,570	170	135	631	408	10	0	1.3	.70	191
6	95	34	2,200	145	141	661	361	6.7	0	3.0	.40	193
7	96	31	1,800	128	271	598	299	4.6	0	21	.70	139
8	85	30	1,400	116	336	484	251	3.2	0	18	2.0	67
9	82	29	1,100	106	406	386	222	2.2	0	24	7.0	39
10	78	27	900	100	500	317	197	1.5	0	27	4.4	24
11	65	25	700	102	598	268	163	1.1	0	14	2.4	22
12	48	24	550	101	542	243	131	.90	.10	7.9	1.6	12
13	36	24	440	95	552	287	103	.90	1.3	4.6	6.1	12
14	38	23	380	92	733	353	81	.80	1.8	6.1	35	28
15	229	23	340	92	901	406	66	.50	13	15	20	37
16	457	23	320	90	894	477	57	.30	31	39	7.5	42
17	573	22	300	88	926	490	48	.20	43	31	3.2	30
18	742	22	300	82	877	424	41	.10	55	25	1.6	25
19	910	21	280	79	820	430	36	0	50	12	3.6	25
20	742	30	250	76	829	533	39	0	34	5.5	18	18
21	496	39	250	73	858	629	37	0	19	2.8	9.5	12
22	330	40	240	71	707	640	35	0	9.8	5.0	4.6	11
23	217	43	230	69	513	618	33	0	5.0	3.4	2.3	9.5
24	141	86	210	142	389	575	29	0	2.7	2.0	1.2	7.9
25	100	128	200	245	405	476	27	0	2.7	.90	.80	7.1
26	79	104	190	285	414	361	52	0	1.5	.80	.60	7.5
27	70	83	210	360	465	303	57	0	0.1	1.9	1.9	40
28	65	72	240	368	617	644	74	0	1.2	2.4	6.4	121
29	57	65	280	337	-----	778	81	0	1.5	1.5	12	224
30	52	60	280	286	-----	733	72	0	4.6	2.6	4.4	268
31	49	-----	260	214	-----	678	-----	-----	-----	1.8	3.6	-----
TOTAL	6,050.1	1,317	17,588	4,982	14,425	15,811	5,380	161.00	278.30	297.00	173.00	2,365.0
MEAN	195	43.9	567	161	515	510	179	5.19	9.28	9.58	5.58	78.8
MAX	910	128	2,570	368	926	778	794	53	55	39	35	268
MIN	3.6	21	46	69	135	243	27	0	0	.80	.40	7.1
CFSM	1.30	.29	3.78	1.07	3.43	3.40	1.20	.03	.06	.06	.06	.53
IN.	1.50	.33	4.36	1.24	3.58	3.92	1.33	.04	.07	.07	.04	.59
CAL YR 1964	TOTAL 81,265.70	MEAN 222	MAX 2,570	MIN 0	CFSM 1.48	IN 20.15						
WAT YR 1965	TOTAL 68,827.40	MEAN 189	MAX 2,570	MIN 0	CFSM 1.26	IN 17.06						

2-2275 Little Satilla River near Offerman, Ga

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

Drainage area --646 sq mi

Records available --January 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 59.00 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Nov 8, 1952, graphic water-stage recorder at site 1,500 ft upstream, at same datum Nov 8, 1952, to Oct 20, 1961, graphic water-stage recorder at present site and datum

Average discharge --14 years, 442 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 18, 1961	12,600	12.4	June 16, 17, 1961	15	-
1962	Apr 6, 1962	4,190	9.59	Sept 19, 20, 1962	50	-
1963	July 10, 1963	2,430	8.68	Oct 13-21, 1962	30	-
1964	Mar 5, 1964	11,000	12.0	June 24, 25, 1964	40	-
1965	Dec 7, 1964	11,800	12.2	June 8, 1965	50	-

1951-65 Maximum discharge, 17,200 cfs Sept 29, 1953 (gage height, 13.5 ft), no flow Oct 10 to Nov 14, 1954

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

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	700	6.1	16	67	410	1,310	1,060	410	53	88	2.3	1,750
2	910	6.1	15	84	350	1,180	1,530	335	44	208	2.0	1,630
3	675	5.8	14	94	305	1,120	2,050	280	33	335	1.9	1,380
4	290	4.8	13	91	270	1,060	2,050	236	24	290	2.0	1,120
5	168	4.2	12	84	245	1,060	1,750	200	15	195	1.8	1,010
6	112	3.8	12	78	226	960	1,530	172	11	119	4.0	1,120
7	112	3.4	14	71	335	870	1,450	143	7.0	78	22	1,240
8	123	3.1	14	66	600	760	1,240	119	4.8	54	64	1,060
9	139	3.0	13	62	700	650	1,060	102	3.4	38	131	910
10	147	3.0	11	56	730	550	960	131	2.7	30	116	1,010
11	131	3.2	13	53	675	510	790	159	2.2	23	65	1,010
12	116	3.5	25	48	575	410	730	151	2.0	20	42	1,060
13	123	11	36	54	490	335	870	127	1.8	16	42	1,060
14	94	14	35	219	410	280	910	105	1.8	12	159	910
15	67	14	40	450	335	240	1,290	98	1.8	9.3	270	730
16	49	13	74	600	280	204	4,830	94	1.7	18	290	600
17	38	11	91	600	240	177	10,200	76	1.9	50	208	490
18	29	12	88	450	218	186	12,200	56	95	55	190	365
19	24	19	78	350	320	350	10,600	41	245	71	270	250
20	21	18	68	305	450	510	7,410	29	290	184	350	204
21	19	14	67	260	625	790	5,040	21	250	450	335	177
22	18	11	71	213	760	1,060	3,810	15	182	395	280	143
23	15	10	69	182	830	1,180	2,630	12	164	182	280	116
24	13	10	65	159	870	1,120	1,890	21	177	74	305	102
25	10	10	60	151	960	1,060	1,530	33	190	42	575	83
26	8.0	11	56	200	1,060	1,010	1,240	59	190	29	550	66
27	6.9	13	53	320	1,180	870	1,010	94	182	19	700	54
28	5.8	14	51	430	1,240	730	830	108	139	12	1,010	45
29	5.3	14	48	510	-----	625	700	108	91	7.0	1,060	34
30	4.8	16	46	510	-----	530	550	91	61	4.5	1,120	27
31	5.1	-----	49	450	-----	540	-----	65	-----	3.0	1,530	-----
TOTAL	4,178.9	287.0	1,317	7,267	15,689	22,237	83,740	3,691	2,467.1	3,110.8	9,978.0	19,756
MEAN	135	9.57	42.5	234	560	717	2,791	119	82.2	100	322	659
MAX	910	19	91	600	1,240	1,310	12,200	410	290	450	1,530	1,750
MIN	4.8	3.0	11	48	218	177	550	12	1.7	3.0	1.8	27
CFSM	.21	.01	.07	.36	.87	1.11	4.32	.18	.13	.16	.50	1.02
IN-	.24	.02	.08	.42	.90	1.28	4.82	.21	.14	.18	.57	1.14

CAL YR 1960. TOTAL 167,577.4 MEAN 458 MAX 6,570 MIN 3.0 CFSM .71 IN 9.65  
 WAT YR 1961 TOTAL 173,718.8 MEAN 476 MAX 12,200 MIN 1.7 CFSM .74 IN 10.00



## 2-2275 Little Satilla River near Offerman, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	1.5	11	194	769	674	1,230	111	3.4	132	157	3.5
2	22	1.5	9.5	245	752	789	2,700	80	4.2	119	103	2.8
3	18	1.5	9.0	269	775	1,250	3,590	60	4.6	94	48	4.2
4	17	1.5	8.5	254	769	1,520	3,360	47	7.8	56	35	5.1
5	15	1.5	8.5	229	711	1,650	3,880	44	18	35	40	4.4
6	12	1.5	8.5	325	638	1,580	4,110	65	30	27	29	2.6
7	9.9	1.5	10	531	552	1,520	3,890	62	26	22	20	3.7
8	7.9	1.5	10	605	456	1,520	3,510	45	38	48	14	7.0
9	6.6	1.5	9.5	600	376	1,460	3,010	31	35	62	9.0	5.0
10	5.3	1.5	9.0	525	327	1,350	2,420	20	60	56	5.7	3.7
11	4.3	1.5	14	456	300	1,220	1,950	14	144	36	3.7	2.8
12	3.7	1.5	28	463	288	1,160	1,700	61	257	21	2.4	1.7
13	3.3	1.5	70	520	272	1,130	1,420	114	290	13	1.6	1.3
14	3.0	1.5	156	563	262	1,060	1,190	93	318	7.7	1.3	1.3
15	2.8	1.6	207	549	266	1,140	995	93	240	5.0	1.2	1.8
16	2.7	1.6	243	494	307	1,430	809	31	315	3.9	1.2	1.2
17	2.5	1.6	236	429	385	1,790	664	19	396	10	1.4	.80
18	2.3	1.6	248	365	422	1,760	963	12	336	98	1.2	.70
19	2.2	1.6	360	323	432	1,580	441	7.7	201	289	1.1	.60
20	1.9	1.6	451	310	488	1,520	358	5.2	108	344	1.0	14
21	1.8	1.6	475	310	502	1,430	293	3.9	70	143	.90	13
22	1.8	1.6	397	412	485	1,280	240	3.2	70	84	1.3	5.5
23	1.7	1.0	308	303	478	1,140	195	2.9	92	75	4.1	4.8
24	1.7	.80	259	293	519	1,070	158	2.7	159	89	12	16
25	1.7	.55	233	289	618	958	129	2.7	278	61	10	19
26	1.6	.36	204	284	696	836	112	2.4	427	36	15	12
27	1.6	.26	175	286	730	713	134	2.2	406	27	22	7.4
28	1.6	.24	174	474	715	625	124	2.1	271	19	23	4.4
29	1.6	.18	171	620	-----	555	133	2.2	180	14	15	2.9
30	1.6	.14	162	734	-----	478	139	2.2	143	18	10	1.9
31	1.6	-----	152	800	-----	454	-----	2.6	-----	115	5.5	-----
TOTAL	184.7	296.8	4,819.5	12,954	14,290	36,682	43,427	1,004.0	4,928.0	2,178.6	595.60	155.10
MEAN	5.96	9.89	155	418	510	1,183	1,448	32.4	164	70.3	19.2	5.17
MAX	24	.80	475	800	775	1,790	4,110	114	427	344	157	19
MIN	1.6	1.5	8.5	194	262	454	112	2.1	3.4	3.9	.90	.60
CFSM	.009	.02	.24	.65	.79	1.93	2.24	.05	.11	.03	.09	.009
IN.	.01	.02	.28	.75	.82	2.11	2.50	.06	.28	.13	.03	.009

CAL YR 1961 TOTAL 173,236.9 MEAN 433 MAX 12,200 MIN 1.5 CFSM .73 IN 9.07  
 MAY YR 1962 TOTAL 121,519.30 MEAN 375 MAX 4,110 MIN .60 CFSM .52 IN 7.00

Note --No gage-height record Oct 21 to Dec 13

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.2	.40	82	110	214	778	290	20	208	1,670	288	794
2	.80	.40	118	84	206	763	290	22	156	1,480	167	608
3	1.3	.40	76	70	229	739	276	18	116	1,270	112	447
4	2.7	.40	42	59	301	709	250	14	75	1,050	84	321
5	3.2	.40	27	51	385	673	217	9.5	46	838	63	209
6	4.1	.40	29	46	520	644	182	6.5	29	650	44	146
7	3.4	.40	28	57	616	616	187	4.8	25	504	31	117
8	2.0	.50	27	72	703	580	174	6.3	20	506	26	77
9	1.2	1.5	35	72	727	516	162	7.2	32	1,130	66	51
10	.60	2.8	45	65	678	459	156	5.4	33	2,140	108	34
11	.40	3.0	43	57	655	414	166	3.5	37	2,100	102	24
12	.40	2.0	35	74	754	379	184	2.7	28	1,400	150	16
13	.30	1.6	28	104	834	354	186	2.3	16	834	152	12
14	.30	1.7	25	121	902	368	172	2.6	9.7	530	97	8.7
15	.30	1.5	23	114	870	409	142	2.6	6.1	384	133	7.8
16	.30	1.4	22	99	822	398	117	2.6	4.2	302	167	10
17	.30	1.3	21	86	838	372	96	2.2	4.3	272	150	11
18	.30	1.1	20	82	854	345	82	2.1	5.6	243	163	9.5
19	.30	1.0	19	82	874	326	68	1.8	17	324	272	7.4
20	.30	.90	18	130	890	320	54	1.4	45	562	660	5.7
21	.30	1.0	17	304	870	331	42	1.6	89	739	955	4.7
22	1.6	3.2	17	381	787	324	32	4.3	140	721	890	4.3
23	.70	4.2	16	366	680	290	24	48	322	663	1,060	6.7
24	1.3	5.0	15	266	724	259	17	168	660	602	1,290	7.2
25	.90	4.5	14	225	894	238	13	390	618	572	1,340	7.2
26	.60	3.6	20	243	985	234	11	206	778	448	1,110	6.5
27	.50	2.9	65	268	965	260	6.5	102	1,230	295	878	5.2
28	.40	2.4	109	264	858	278	6.7	173	1,490	212	730	5.4
29	.40	2.4	111	236	-----	301	5.6	273	1,570	156	935	127
30	.40	10	110	212	-----	296	6.7	314	1,630	159	1,010	322
31	.40	-----	130	211	-----	284	-----	752	-----	283	965	-----
TOTAL	31.20	62.60	1,387	4,611	19,635	13,257	3,617.5	2,069.4	9,439.9	23,039	14,198	3,412.5
MEAN	1.01	2.09	44.7	149	701	428	121	66.8	315	743	458	114
MAX	4.1	1.0	130	381	985	778	290	390	1,630	2,140	1,340	794
MIN	.30	.40	14	46	206	234	5.6	1.4	4.2	156	26	4.3
CFSM	.002	.003	.07	.23	1.09	.66	.19	.10	.49	1.15	.71	.18
IN.	.002	.004	.08	.27	1.13	.76	.21	.12	.54	1.33	.82	.20

CAL YR 1962: TOTAL 117,995.10 MEAN 322 MAX 4,110 MIN .30 CFSM .40 IN 5.48  
 MAY YR 1963: TOTAL 94,760.10 MEAN 260 MAX 2,140 MIN .30 CFSM .40 IN 5.48

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	114	219	782	1,170	900	1,750	3,570	286	2.0	127	122	144
2	109	195	621	1,120	700	2,180	3,430	188	1.3	127	226	244
3	110	174	504	1,060	700	3,450	3,670	127	.90	80	129	544
4	100	159	874	1,000	650	4,350	3,310	91	.90	63	93	679
5	130	147	3,380	945	650	4,130	2,800	68	.80	45	62	701
6	200	135	10,300	865	650	3,610	2,290	50	.70	26	43	528
7	320	125	11,800	723	900	2,840	1,860	36	.70	18	43	419
8	360	118	9,970	632	1,900	2,550	1,580	27	7.4	13	47	346
9	200	114	6,830	563	1,900	2,310	1,370	19	.70	13	336	249
10	220	109	4,000	503	2,200	1,970	1,180	13	.20	14	378	187
11	190	105	3,670	460	2,200	1,630	1,010	9.0	13	42	250	152
12	160	101	2,920	427	2,000	1,450	842	7.9	57	208	156	109
13	220	98	1,800	319	2,460	1,400	703	9.2	71	415	131	114
14	380	96	1,950	373	1,790	1,410	588	8.3	52	510	96	50
15	638	94	1,660	361	2,840	1,440	469	6.5	101	430	67	36
16	1,130	93	1,470	344	3,750	1,440	381	4.7	168	272	109	27
17	1,550	91	1,350	319	4,050	1,460	307	3.5	276	192	113	29
18	1,650	88	1,240	300	3,930	2,460	246	2.8	317	254	71	19
19	1,670	86	1,160	300	3,530	1,580	199	2.3	288	140	55	144
20	1,780	107	1,090	280	3,130	2,160	199	2.0	283	219	49	130
21	1,760	190	1,020	260	2,860	2,740	194	1.8	272	278	32	105
22	1,570	212	951	260	2,710	2,951	179	1.6	272	271	19	72
23	1,370	260	899	240	2,510	2,530	160	1.4	223	197	11	55
24	1,170	358	854	400	2,250	2,450	139	1.3	165	97	16	66
25	963	601	798	650	2,140	2,210	120	1.3	112	60	13	64
26	775	1,140	767	1,000	2,350	1,890	179	1.1	84	56	9.3	45
27	624	1,700	990	1,600	2,450	1,640	237	1.1	90	90	7.0	38
28	490	1,640	1,260	1,900	2,030	1,650	288	1.1	172	97	13	107
29	384	1,340	1,400	1,600	-----	1,820	330	1.8	208	70	162	229
30	310	1,040	1,310	1,300	-----	2,510	336	3.0	150	100	361	323
31	259	-----	1,190	1,000	-----	3,730	-----	3.7	-----	82	191	-----
TOTAL	20,995	10,995	80,170	22,346	59,490	70,500	32,166	980.4	3,447.70	4,607	3,390.3	5,984.0
MAX	674	367	2,586	721	2,125	2,274	1,072	31.6	115	149	109	199
MIN	1,780	1,700	11,800	1,900	4,050	4,350	3,670	286	317	510	378	701
CFM	100	86	504	240	650	1,400	120	1.1	.70	13	7.0	27
MFSN	1.04	.57	4.00	1.12	3.29	3.52	1.66	.05	1.18	.23	.17	.31
IN.	1.20	.63	4.62	1.29	3.42	4.06	1.85	.06	.20	.27	.20	.34
CAL YR 1964:	TOTAL	452,496.70		MEAN	1,236							
WAT YR 1965:	TOTAL	314,981.40		MEAN	863	MAX 11,800	MIN .50	CFM 1.91	IN 26.13			
						MAX 11,800	MIN .70	CFM 1.34	IN 18.13			

2-2280 Satilla River at Atkinson, Ga

Location --Lat 31°13', long 81°52', on left bank piling, 25 ft upstream from bridge on U S Highway 84, 400 ft downstream from Atlantic Coast Line Railroad bridge and 1 mile west of Atkinson, Brantley County

Drainage area --2,790 sq mi, approximately

Records available --March 1930 to September 1965 Monthly discharge only for some periods published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 14.79 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Dec 6, 1933, staff gage, Dec 6, 1933, to Nov 20, 1961, graphic water-stage recorder, and Nov 21, 1961, to Sept 30, 1964, staff gage, all at same site and datum

Average discharge --35 years, 2,107 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 23, 1961	29,700	19 1	Dec 10, 1960	a 72	-
1962	Apr 12, 1962	14,200	16 3	Nov 20-23, 1961	71	-
1963	July 8, 1963	6,600	13 6	Nov 22-27, 1962	80	-
1964	Mar 8, 1964	31,800	19 4	Nov 25, 1963	93	-
1965	Dec 12, 1964	30,400	19 2	June 11, 1965	104	-

a Minimum observed

1930-65 Maximum discharge, 68,100 cfs Apr 6, 1948 (gage height, 23.9 ft), minimum daily, 21 cfs Nov 2-5, 7-13, 1954

Maximum stage known since at least 1862, 27.2 ft in September 1929, from information by Georgia State Highway Department (discharge, 110,000 cfs)

Remarks --Records good

Revisions (water years) --WSP 1504 1932 WSP 1624 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	810	218	94	158	1,680	3,160	4,360	9,000	820	975	655	3,700
2	970	203	93	160	1,770	4,330	4,760	7,620	820	880	512	4,000
3	1,140	189	91	166	1,820	3,510	4,900	6,400	820	820	440	4,240
4	1,300	173	90	194	1,820	3,800	4,900	5,200	790	850	400	4,620
5	1,380	163	86	218	1,770	4,000	5,040	4,000	760	975	370	5,040
6	1,260	148	84	230	1,720	4,240	5,360	3,240	685	1,040	340	5,360
7	1,000	138	81	238	1,680	4,480	5,680	2,630	565	1,010	290	5,520
8	810	133	76	242	1,770	4,620	6,040	2,190	480	940	280	5,520
9	735	130	74	246	1,870	4,620	6,220	1,870	430	880	310	5,360
10	750	123	72	240	2,020	4,620	6,400	1,650	390	850	360	5,200
11	810	119	73	230	2,190	4,480	6,400	1,530	350	850	400	5,040
12	900	113	78	216	2,310	4,240	6,800	1,410	320	790	430	4,760
13	930	109	86	214	2,490	3,900	7,000	1,260	310	640	450	4,620
14	900	108	90	272	2,490	3,510	7,200	1,150	280	580	500	4,480
15	840	105	100	345	2,370	3,080	7,000	1,080	272	565	640	4,240
16	750	103	116	508	2,250	2,700	8,060	1,010	263	850	820	4,000
17	630	100	140	780	2,070	2,310	8,520	940	263	910	975	3,800
18	533	105	162	970	1,870	1,970	8,760	880	272	910	1,010	3,420
19	461	109	171	1,140	1,720	1,720	10,900	820	290	880	940	3,000
20	440	113	180	1,260	1,630	1,590	17,000	730	350	975	880	2,560
21	398	120	194	1,260	1,630	1,630	23,000	655	490	1,260	850	2,130
22	356	126	192	1,220	1,680	1,920	27,800	595	610	1,570	850	1,770
23	345	122	187	1,140	1,820	2,250	29,000	538	625	1,970	910	1,490
24	324	113	190	1,040	2,020	2,560	27,800	500	640	2,250	940	1,260
25	303	99	196	930	2,250	2,920	24,800	512	655	2,370	975	1,040
26	292	97	192	900	2,490	3,240	21,200	538	700	2,130	1,180	850
27	282	93	185	930	2,700	3,420	18,000	595	820	1,920	1,570	730
28	272	91	175	1,070	2,920	3,600	14,600	655	910	1,730	2,070	625
29	256	94	166	1,260	-----	3,700	12,200	715	975	1,490	2,560	525
30	242	97	162	1,420	-----	3,700	10,600	760	975	1,180	3,000	480
31	230	-----	157	1,590	-----	3,900	-----	820	-----	880	3,420	-----
TOTAL	20,644	3,754	4,033	20,787	56,820	102,720	350,500	61,493	16,930	35,920	29,327	99,380
MEAN	666	125	130	671	2,029	3,314	11,480	1,986	564	1,159	946	3,313
MAX	1,380	218	196	1,590	2,920	4,620	29,000	9,000	975	2,370	3,420	5,520
MIN	230	91	72	158	1,630	1,590	4,360	500	263	565	280	480
CFSM	.24	.04	.05	.24	.73	1.19	4.19	.71	.20	.42	.34	1.19
IN.	.28	.05	.05	.28	.76	1.37	4.67	.82	.23	.48	.39	1.32
CAL YR 1960	TOTAL 897,924			MEAN 2,453		MAX 31,100	MIN 72	CFSM .88	IN 11.97			
WAT YR 1961	TOTAL 802,313			MEAN 2,198		MAX 29,000	MIN 72	CFSM .79	IN 10.69			

## 2-2280 Satilla River at Atkinson, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	450	96	171	700	1,770	2,190	4,000	880	182	910	280	182
2	410	93	163	715	1,970	2,370	4,240	790	198	850	340	214
3	370	90	150	730	2,070	2,560	4,360	695	209	790	400	230
4	360	86	136	790	2,190	2,700	4,620	610	222	700	390	187
5	330	87	132	820	2,310	2,920	5,520	550	263	640	340	187
6	300	86	129	880	2,370	3,080	6,800	500	238	655	290	188
7	280	86	125	1,010	2,370	3,330	8,760	400	200	715	330	246
8	254	86	125	1,010	2,370	3,510	10,000	450	204	850	330	263
9	238	85	122	1,410	2,310	3,700	11,200	430	272	940	280	230
10	230	82	118	1,530	2,370	3,800	12,600	400	390	850	254	206
11	222	82	115	1,690	1,870	4,000	13,800	330	480	880	230	206
12	214	79	118	1,770	1,610	4,120	14,200	380	640	760	203	204
13	208	79	127	1,820	1,370	4,120	14,800	370	655	565	188	204
14	203	76	140	1,870	1,220	4,120	12,200	350	745	460	176	254
15	198	74	198	1,920	1,150	4,120	11,200	400	1,290	380	168	254
16	185	74	263	1,970	1,080	4,240	10,300	390	1,530	320	152	246
17	179	72	370	2,070	1,040	4,240	9,240	350	1,370	272	142	238
18	172	72	480	2,130	1,300	4,120	8,280	320	1,180	263	172	211
19	169	72	512	1,970	1,150	4,240	7,400	280	1,260	272	174	196
20	166	71	550	1,820	1,290	4,360	6,220	263	1,150	340	146	190
21	160	71	595	1,650	1,370	4,620	5,360	238	940	420	128	180
22	150	71	700	1,530	1,450	4,760	4,620	230	820	410	121	150
23	140	74	820	1,410	1,530	5,040	3,800	211	790	360	120	350
24	136	94	910	1,290	1,610	5,040	3,080	201	790	280	120	500
25	129	127	1,010	1,220	1,690	5,040	2,560	188	910	246	113	470
26	118	158	1,010	1,180	1,770	5,040	2,070	180	1,040	230	117	340
27	115	174	940	1,150	1,870	4,900	1,690	172	1,150	222	131	320
28	113	182	850	1,150	2,070	4,620	1,410	163	1,180	222	155	246
29	107	187	790	1,290	-----	4,360	1,180	150	1,180	230	158	195
30	101	162	685	1,410	-----	4,240	1,010	150	1,040	254	158	195
31	99	-----	700	1,610	-----	4,000	-----	171	-----	272	150	-----
TOTAL	6,506	2,949	13,254	43,685	41,020	123,500	205,520	11,292	22,518	15,558	6,456	7,288
MEAN	210	98.3	428	1,409	1,715	3,984	6,851	364	751	502	208	243
MAX	450	187	1,010	2,130	2,370	5,040	14,200	880	1,530	940	400	500
MIN	99	71	115	700	1,040	2,190	1,010	150	182	222	113	156
CFSM	0.08	0.06	0.15	0.51	0.61	1.43	2.46	0.13	0.27	0.18	0.09	0.09
IN.	0.09	0.04	0.18	0.58	0.64	1.65	2.74	0.15	0.30	0.21	0.09	0.10
CAL YR 1961	TOTAL 796,566	MEAN 2,182	MAX 29,000	MIN 71	CFSM .78	IN 10.62						
WAT YR 1962	TOTAL 506,546	MEAN 1,588	MAX 14,200	MIN 71	CFSM .50	IN 6.75						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	193	85	480	525	2,370	5,680	1,690	246	1,330	3,700	3,420	3,080
2	179	80	880	565	2,310	5,680	1,570	230	1,370	4,120	3,080	2,770
3	166	76	975	565	2,190	5,360	1,490	254	1,410	4,480	2,700	2,560
4	163	76	1,040	525	2,190	4,900	1,450	290	1,410	4,900	2,430	2,250
5	163	76	1,080	500	2,290	4,480	1,410	290	1,290	5,520	2,190	1,870
6	163	75	1,080	470	2,560	4,240	1,330	263	1,180	5,860	1,970	1,490
7	169	74	940	430	3,000	4,000	1,290	263	1,010	6,400	1,690	1,150
8	182	74	820	420	3,240	3,800	1,260	263	850	6,600	1,450	880
9	185	76	700	410	3,420	3,700	1,150	263	685	6,220	1,220	715
10	184	76	625	420	3,700	3,510	1,080	290	538	5,860	1,080	565
11	174	76	565	420	3,900	3,420	1,010	300	460	5,200	910	480
12	164	74	512	420	4,000	3,240	910	310	430	4,760	850	420
13	155	70	470	460	4,120	3,000	880	320	400	4,480	850	370
14	150	70	430	538	4,000	2,640	880	310	380	4,480	380	340
15	147	70	390	655	4,000	2,700	910	280	360	4,620	940	340
16	132	70	370	760	4,000	2,560	940	263	330	4,900	1,010	340
17	121	70	366	850	4,000	2,490	940	246	300	4,900	1,120	340
18	118	66	350	910	4,120	2,490	880	240	280	4,760	1,220	350
19	111	64	330	1,010	4,240	2,560	790	214	300	4,620	1,290	340
20	107	64	310	1,150	4,360	2,560	700	200	340	4,760	1,370	300
21	110	64	290	1,370	4,360	2,560	625	203	430	4,900	1,610	290
22	117	60	272	1,770	4,480	2,560	538	222	610	5,040	1,820	254
23	110	60	263	2,190	4,620	2,560	460	263	940	5,200	1,970	238
24	107	60	254	2,490	5,040	2,560	410	300	1,330	5,040	2,250	230
25	108	60	228	2,840	5,520	2,560	360	420	1,570	4,760	2,490	222
26	108	60	238	2,920	5,520	2,560	330	760	1,770	4,480	2,840	211
27	106	60	246	2,840	5,520	2,490	300	1,040	2,190	4,360	3,080	203
28	97	62	310	2,700	5,520	2,430	280	1,120	2,630	4,240	3,160	195
29	90	74	370	2,560	-----	2,310	263	1,080	3,000	4,120	3,330	263
30	90	176	450	2,490	-----	2,130	254	1,120	3,420	3,900	3,420	340
31	89	-----	480	2,430	-----	1,870	-----	1,220	-----	3,800	3,330	-----
TOTAL	4,258	2,198	16,118	38,603	108,550	99,800	26,380	15,073	32,543	150,980	60,970	23,396
MEAN	137	73.3	520	1,245	3,877	3,219	879	422	1,085	4,870	1,967	780
MAX	193	176	1,080	2,920	5,520	5,680	1,690	1,220	3,420	6,600	3,420	3,080
MIN	89	60	238	410	2,190	1,870	254	200	280	3,700	850	195
CFSM	0.05	0.03	0.19	0.45	1.39	1.15	0.32	0.15	0.39	1.75	0.70	0.28
IN.	0.06	0.03	0.21	0.51	1.45	1.33	0.35	0.17	0.43	2.01	0.81	0.31
CAL YR 1962	TOTAL 506,411	MEAN 1,387	MAX 14,200	MIN 60	CFSM .50	IN 6.75						
WAT YR 1963	TOTAL 576,869	MEAN 1,580	MAX 6,600	MIN 60	CFSM .57	IN 7.69						

## 2-2280 Satilla River at Atkinson, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	480	121	129	380	8,520	15,000	4,000	2,370	356	136	15,000	7,840
2	790	120	142	380	7,840	16,000	3,900	2,920	324	149	14,200	10,000
3	975	113	166	380	7,400	17,500	3,800	3,800	303	203	13,000	11,900
4	975	108	180	400	6,600	19,500	3,800	4,760	282	242	11,600	11,900
5	790	115	171	420	6,040	21,800	3,600	5,680	262	314	10,600	10,600
6	715	120	161	430	5,520	25,400	3,510	6,800	254	376	9,760	9,240
7	595	113	153	440	4,900	29,700	3,420	8,520	260	418	9,240	7,840
8	538	107	150	525	4,480	31,100	3,330	10,000	282	472	8,760	6,600
9	480	107	150	910	4,240	30,400	3,240	11,600	303	484	8,280	5,520
10	480	111	150	1,220	3,900	27,800	3,080	12,200	324	496	7,840	5,520
11	480	118	147	1,650	3,800	24,800	2,920	12,200	292	546	7,620	5,680
12	450	114	147	2,190	3,700	21,200	2,840	11,600	272	660	7,400	5,860
13	410	108	171	3,080	3,600	18,000	2,770	10,600	250	810	7,000	7,000
14	380	107	206	3,800	3,600	16,000	2,770	9,760	240	970	6,600	7,620
15	340	107	246	4,360	3,700	13,800	2,770	8,520	232	1,110	6,040	9,240
16	310	107	350	4,900	3,800	12,200	2,840	7,400	216	1,140	5,520	12,200
17	290	107	460	6,040	4,000	10,600	2,920	6,040	199	1,110	5,200	15,000
18	272	104	565	7,200	4,360	9,500	2,920	4,900	180	1,220	5,040	15,000
19	254	104	610	7,840	4,900	8,280	3,000	3,900	163	1,500	4,760	13,400
20	222	104	595	8,520	5,200	7,400	3,000	3,080	150	1,970	4,480	11,900
21	196	101	550	9,000	5,680	6,600	3,000	2,310	144	2,630	4,360	10,600
22	184	101	512	10,000	6,400	5,680	2,840	1,680	137	3,600	4,240	9,760
23	176	99	480	10,900	7,400	5,200	2,630	1,260	137	4,900	4,240	9,240
24	176	94	470	11,900	8,760	4,480	2,310	930	130	6,220	4,240	9,000
25	161	93	470	12,200	9,760	4,000	1,970	810	130	7,400	4,240	8,520
26	152	94	460	12,200	10,300	3,800	1,650	690	124	8,760	4,120	8,060
27	146	100	450	11,900	11,600	3,700	1,490	572	123	10,600	4,120	7,400
28	138	106	440	11,200	13,400	3,600	1,450	496	123	11,900	4,360	6,400
29	132	112	420	10,600	14,600	3,400	1,450	440	124	11,600	5,200	5,680
30	127	115	400	10,000	-----	3,800	1,970	408	133	12,600	5,680	4,620
31	122	-----	390	9,500	-----	3,800	-----	387	-----	14,200	6,040	-----
TOTAL	11,936	3,231	10,091	176,465	188,000	424,240	85,390	156,633	6,449	108,736	218,780	269,140
MEAN	385	108	326	5,648	6,065	13,685	2,753	5,053	215	3,508	7,057	8,971
MAX	975	121	610	12,200	14,600	31,100	4,000	12,200	356	14,200	15,000	15,000
MIN	122	93	129	380	3,600	3,600	1,450	387	123	136	4,120	4,620
CFSM	1.14	0.04	0.12	2.02	2.32	4.91	1.02	1.81	0.08	1.26	2.53	3.22
IN.	0.16	0.04	0.13	2.33	2.51	5.66	1.14	2.09	0.09	1.45	2.92	3.59

CAL YR 1963 TOTAL 579,553 MEAN 4,588 MAX 6,600 MIN 93 CFSM 1.57 IN 7.73  
WAT YR 1964 TOTAL 1,657,091 MEAN 4,528 MAX 31,100 MIN 93 CFSM 1.62 IN 22.09

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,530	5,690	2,210	5,660	2,720	10,200	10,800	1,840	149	1,250	1,340	834
2	2,840	4,720	2,510	5,780	2,910	10,500	10,400	1,910	140	1,230	1,620	942
3	2,430	3,480	2,670	5,810	3,120	11,000	10,300	1,880	139	1,190	1,870	1,130
4	2,240	3,200	2,970	5,770	3,340	11,000	10,600	1,740	134	1,160	1,940	1,190
5	2,390	2,380	3,220	5,620	3,530	11,100	11,200	1,580	129	1,110	1,900	1,280
6	2,680	2,090	3,400	5,480	3,660	12,500	12,100	1,400	123	1,050	1,820	1,390
7	2,970	1,780	3,690	5,400	3,710	14,100	12,700	1,190	115	954	1,780	1,470
8	3,230	1,500	4,750	5,300	3,640	14,400	12,700	997	111	837	1,700	1,520
9	3,380	1,320	9,470	5,230	3,530	13,800	12,000	816	108	798	1,720	1,490
10	3,380	1,130	18,800	5,060	3,450	12,800	11,100	678	106	789	2,020	1,360
11	3,270	1,030	26,600	4,750	3,490	11,900	10,200	569	105	807	2,140	1,160
12	3,060	930	29,900	4,350	3,700	11,300	9,240	498	120	991	2,430	976
13	2,840	837	28,400	3,890	4,070	10,800	8,380	448	148	1,130	2,670	816
14	2,740	760	25,000	3,440	4,740	10,400	7,480	404	218	1,390	3,060	681
15	3,190	729	21,100	3,070	5,490	9,840	6,570	372	360	1,610	3,120	583
16	3,950	690	17,700	2,780	6,090	9,210	5,660	347	419	1,810	2,980	501
17	4,680	654	14,700	2,510	6,790	8,620	4,810	316	508	1,980	3,020	444
18	5,550	624	12,600	2,320	8,030	8,250	4,060	288	672	2,130	3,180	431
19	6,840	597	10,900	2,170	10,200	8,570	3,420	280	858	2,240	3,400	431
20	8,030	580	9,640	2,060	12,700	9,270	2,920	276	1,010	2,300	3,470	496
21	8,650	580	9,720	1,980	14,000	9,650	2,460	274	1,070	2,290	3,250	597
22	8,800	586	7,910	1,900	14,400	10,200	2,080	262	1,090	2,240	2,870	597
23	8,840	654	7,190	1,830	14,100	11,300	1,780	246	1,110	2,160	2,470	530
24	8,930	768	6,640	1,790	13,500	12,100	1,570	218	1,110	2,050	2,070	452
25	9,110	864	6,180	1,750	12,900	11,900	1,400	207	1,110	1,860	1,670	421
26	9,310	979	5,870	1,770	12,100	11,200	1,320	194	1,090	1,540	1,300	414
27	9,350	1,130	5,740	1,850	11,300	10,800	1,290	182	1,050	1,200	1,030	421
28	9,050	1,370	5,630	1,960	10,600	11,000	1,390	178	1,050	867	909	538
29	8,510	1,610	5,600	2,120	-----	11,400	1,530	173	1,080	696	783	642
30	7,710	1,930	5,530	2,320	-----	11,400	1,690	168	1,170	854	750	790
31	6,710	-----	5,540	2,530	-----	11,100	-----	162	-----	1,160	765	-----
TOTAL	168,160	45,812	320,780	108,250	201,810	341,610	193,150	20,093	16,602	43,673	65,047	24,527
MEAN	5,425	1,527	10,350	3,483	6,510	11,020	6,438	648	533	1,409	2,098	818
MAX	9,330	5,690	29,900	5,810	14,400	14,400	12,700	1,910	1,170	2,990	3,750	1,270
MIN	2,240	580	2,210	1,750	2,720	8,250	1,290	162	105	630	750	414
CFSM	1.94	0.55	3.71	1.25	2.58	3.95	2.31	0.23	0.20	0.50	0.75	0.29
IN.	2.24	0.61	4.28	1.44	2.69	4.55	2.57	0.27	0.22	0.58	0.87	0.33

CAL YR 1964 TOTAL 2,166,585 MEAN 5,920 MAX 31,100 MIN 123 CFSM 2.12 IN 28.88  
WAT YR 1965 TOTAL 1,549,514 MEAN 4,245 MAX 29,900 MIN 105 CFSM 1.52 IN 20.65

2-2285 North Prong St Marys River at Moniac, Ga

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

Drainage area --160 sq mi, approximately (includes part of watershed in Okefenokee Swamp which is indeterminate)

Records available --January 1921 to December 1923 (published as St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1965

Gage --Digital water-stage recorder. Datum of gage is 89.40 ft above mean sea level, datum of 1929 January 1921 to June 1934, staff gage at site 800 ft downstream at datum 3.22 ft higher. Oct 1 to Dec 13, 1950, wire-weight gage and Dec 14, 1950, to Oct 29, 1963, graphic water-stage recorder, at present site and datum

Average discharge --20 years (1921-23, 1927-29, 1932-33, 1950-65), 146 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 31, 1961	668	10.76	June 13, 14, 1961	0.80	4.27
1962	Apr 2, 1962	2,730	14.88	May 29-31, 1962	0	a 4.23
1963	Jan 14, 1963	729	11.18	Many days	0	b 4.07
1964	Sept 13, 14, 1964	4,590	18.41	June 26-28, 1964	10	4.17
1965	Dec 27, 1964	1,700	c 14.0	June 7, 8, 1965	30	4.23

a Occurred May 31, June 1, 1962

b Occurred June 15, 1963

c Estimated

1921-23, 1927-30, 1932-34, 1950-65. Maximum discharge, about 6,060 cfs, probably Sept 19, 1928 (gage height 19.9 ft, present datum, at site then in use), from rating curve extended above 3,700 cfs, no flow for many days in most years, minimum gage height, 3.62 ft June 26, 1955

Remarks --Records good except those after Oct 1, 1964, which are fair and those for period of shifting control, which are poor

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	521	72	18	35	199	164	23	17	5.6	31	44	650
2	442	66	17	38	176	152	21	16	4.1	28	37	650
3	370	61	16	36	173	136	19	13	3.0	24	33	653
4	316	56	15	34	191	122	19	11	2.2	20	30	595
5	268	52	14	32	180	112	18	9.1	1.7	17	29	527
6	226	49	14	31	166	103	16	7.7	1.4	14	27	468
7	216	46	13	30	189	94	24	6.2	1.1	11	24	393
8	380	42	13	30	329	86	26	4.9	1.0	8.8	22	315
9	463	39	12	34	336	76	27	3.8	.90	11	20	250
10	426	38	13	33	297	64	41	11	1.0	14	21	210
11	370	36	13	31	257	58	36	16	.90	17	20	180
12	340	34	15	31	222	53	80	12	.90	22	16	153
13	310	33	14	36	195	49	142	9.1	.80	24	15	170
14	276	32	12	111	175	46	122	7.3	.90	20	16	408
15	246	31	16	213	159	43	114	5.8	2.0	16	15	304
16	214	30	29	217	143	40	149	3.7	2.4	30	14	236
17	187	28	28	187	130	38	161	3.3	3.0	69	12	186
18	167	28	27	154	119	35	142	2.4	3.6	71	11	151
19	148	26	25	130	112	33	118	2.0	2.9	87	17	126
20	149	24	24	126	106	33	98	1.6	2.3	99	46	108
21	168	23	28	127	99	39	82	1.4	4.1	108	53	93
22	161	23	38	112	99	38	68	1.2	16	94	57	77
23	148	22	37	99	119	35	58	1.1	15	90	62	64
24	137	22	36	91	198	33	50	2.0	12	84	143	53
25	127	21	34	88	216	31	42	2.3	9.8	94	470	46
26	117	21	33	98	213	28	36	2.6	10	87	575	41
27	107	21	32	118	190	26	31	21	14	73	608	44
28	100	21	31	116	175	25	28	20	29	66	595	56
29	91	20	30	144	---	23	24	14	33	63	573	51
30	82	20	29	227	---	21	20	10	32	60	640	44
31	76	---	29	225	---	21	---	7.7	---	52	662	---
TOTAL	7,349	1,037	705	3,014	5,163	1,857	1,835	246.2	216.60	1,504.8	4,907	7,302
MEAN	237	34.6	22.7	97.2	164	59.9	61.2	7.94	7.22	48.5	158	243
MAX	521	72	38	227	336	164	161	21	33	108	662	653
MIN	76	20	12	30	99	21	16	1.1	.80	8.8	11	41
CFSM	1.48	.22	.14	.61	1.15	.37	.38	.05	.05	.30	.99	1.52
IN.	1.71	.24	.16	.70	1.20	.43	.43	.06	.05	.35	1.14	1.70

WATER YEAR 1960: TOTAL 60,439.5 MEAN 165 MAX 1,390 MIN 1.80 CFSM 1.83 IN 14.05

WATER YEAR 1961: TOTAL 35,136.20 MEAN 92.3 MAX 1,622 MIN 1.80 CFSM 1.80 IN 14.19

## 2-2285 North Prong St Marys River at Moniac, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	44	.50	3.9	4.5	10	13	1,070	78	.30	8.0	119	179
2	38	.40	3.7	5.3	9.5	39	2,610	75	.70	5.8	232	158
3	33	.30	3.4	4.8	8.7	137	2,510	71	.60	5.0	266	151
4	28	.20	3.4	4.8	8.4	189	1,950	18	.40	4.4	484	151
5	23	.10	3.4	4.8	8.0	171	1,480	15	.10	5.5	438	216
6	20	.60	3.3	5.3	8.4	144	1,170	13	1.2	5.5	334	286
7	17	1.9	3.1	6.7	9.5	116	947	11	2.0	39	251	247
8	15	2.8	2.9	7.2	8.7	96	767	8.4	1.6	43	180	304
9	12	2.4	2.5	7.7	8.2	82	608	7.0	5.0	50	131	516
10	9.5	2.0	2.1	8.0	8.4	69	477	5.7	4.5	30	97	470
11	8.0	1.6	1.9	10	8.7	59	382	4.7	5.5	18	72	415
12	6.5	1.4	1.9	14	7.7	55	316	4.1	5.8	12	55	438
13	6.0	1.3	3.6	17	7.2	72	265	3.3	4.4	8.7	43	424
14	6.7	1.2	3.6	16	7.0	69	215	2.5	3.2	6.2	34	390
15	7.2	1.1	3.3	16	6.7	97	170	2.0	2.1	5.0	28	341
16	5.7	1.0	2.8	15	7.4	222	142	1.6	1.7	4.1	22	272
17	4.7	.90	2.6	14	11	261	119	1.3	1.6	3.0	18	206
18	3.9	.70	2.8	13	10	210	104	1.0	1.2	4.8	15	157
19	3.3	.60	3.9	12	9.7	164	90	.80	.90	5.0	12	125
20	2.8	.50	3.7	11	32	129	78	.60	.70	4.4	10	113
21	2.2	.40	3.2	11	34	107	68	.80	1.8	4.2	8.2	108
22	1.7	.40	2.8	10	26	92	58	.80	3.4	80	12	101
23	1.4	1.1	2.6	9.7	23	101	50	.60	6.4	102	54	265
24	1.2	6.2	3.0	9.2	21	129	44	.90	6.7	86	246	508
25	1.0	7.4	2.6	9.0	19	114	39	1.2	5.0	72	390	477
26	.90	6.0	2.4	9.0	17	104	35	.80	4.7	58	393	395
27	.80	5.3	2.2	8.7	15	95	40	4.0	4.7	50	461	323
28	.70	5.0	2.8	10	14	80	40	.10	17	54	472	264
29	.70	4.5	2.9	13	---	68	36	0	15	55	422	207
30	.70	4.2	2.6	12	---	60	32	0	11	62	329	166
31	.60	---	2.6	11	---	65	---	0	---	83	242	---
TOTAL	306.20	62.00	91.5	309.7	364.2	3,409	15,912	179.60	119.20	973.6	5,870.2	8,373
MEAN	9.88	2.17	2.95	9.99	13.0	108	530	5.79	3.97	30.4	189	279
MAX	44	7.4	3.9	17	34	261	2,610	78	17	102	484	516
MIN	.60	1.0	1.9	4.5	6.7	13	32	0	1.0	3.0	8.2	101
CFSM	.06	.01	.02	.06	.08	.69	3.2	.04	.02	.20	1.18	1.74
IN.	.07	.01	.02	.07	.08	.79	3.70	.04	.03	.23	1.36	1.95
CAL YR 1961	TOTAL 26,505.30	MEAN 72.6	MAX 6.2	MIN 0.10	CFSM .45	IN 6.16						
WAT YR 1962	TOTAL 35,970.20	MEAN 98.5	MAX 2,610	MIN 0	CFSM .62	IN 8.36						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	139	7.5	26	29	114	512	40	3.6	.10	36	15	5.0
2	119	6.5	35	27	106	582	36	3.0	0	33	13	4.4
3	103	5.6	34	25	163	565	34	2.2	0	28	12	3.8
4	90	6.0	31	23	405	479	31	1.8	0	24	11	3.4
5	79	6.0	28	22	461	425	28	1.6	0	20	10	3.0
6	69	5.1	31	23	580	379	26	1.2	0	16	8.6	3.0
7	60	4.5	31	35	663	344	26	1.0	0	12	7.8	2.7
8	53	4.0	30	39	610	296	25	.70	0	15	7.3	2.2
9	48	5.1	33	35	522	251	23	.50	0	15	6.7	1.8
10	44	6.0	32	33	447	242	22	.30	0	14	5.6	1.6
11	39	5.1	29	31	389	222	21	.10	0	12	6.9	1.4
12	35	4.5	29	105	415	194	19	0	0	10	7.8	1.2
13	32	5.1	27	565	439	175	18	0	0	8.4	6.4	1.0
14	28	5.3	25	678	391	171	16	0	0	6.7	5.8	.90
15	26	4.6	24	565	340	187	14	0	0	5.5	11	.70
16	23	4.2	24	493	295	182	12	0	1.0	5.0	13	.60
17	21	4.0	22	439	251	173	11	0	2.8	4.8	13	.40
18	19	3.9	22	383	216	157	9.8	0	7.1	6.4	14	.30
19	16	4.4	22	332	227	144	8.6	0	11	6.5	18	.20
20	14	4.6	21	283	294	134	7.8	0	14	8.0	22	.10
21	13	4.6	20	270	257	125	6.7	0	14	9.8	22	.10
22	12	9.3	19	262	215	110	5.8	0	23	22	20	.10
23	10	9.5	19	213	181	96	4.8	0	23	25	17	0
24	8.8	8.0	18	180	298	86	4.0	0	40	23	14	0
25	7.8	7.5	17	152	648	77	3.2	0	49	22	12	0
26	6.7	7.1	17	134	660	71	2.7	0	46	20	10	0
27	5.8	6.4	24	146	635	64	2.4	0	42	18	8.6	2.3
28	5.1	6.0	28	166	580	58	2.0	0	37	16	7.5	9.0
29	4.6	6.7	27	148	---	53	1.6	.10	32	14	6.7	183
30	4.4	14	32	133	---	48	1.6	.10	28	14	6.0	270
31	5.8	---	33	122	---	44	---	.10	---	18	5.3	---
TOTAL	1,141.0	181.1	811	6,091	10,802	6,646	463.0	16.30	361.00	488.1	344.0	502.20
MEAN	36.8	6.04	26.2	196	386	214	15.4	.53	12.0	15.7	11.1	16.7
MAX	139	14	35	678	663	582	40	3.6	49	36	22	270
MIN	4.4	3.9	17	22	106	44	1.6	0	0	4.8	5.3	0
CFSM	.23	.04	.16	1.23	2.41	1.34	.10	.003	.08	.10	.07	.10
IN.	.27	.04	.19	1.42	2.51	1.54	.11	.004	.08	.11	.08	.12
CAL YR 1962	TOTAL 37,643.60	MEAN 103	MAX 2,610	MIN 0	CFSM .64	IN 8.75						
WAT YR 1963	TOTAL 27,846.70	MEAN 76.3	MAX 678	MIN 0	CFSM .48	IN 6.47						

## 2-2285 North Prong St Marys River at Moniac, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	375	1.8	3.4	33	238	1,510	54	210	9.9	3.1	399	1,200
2	473	1.9	2.9	33	214	1,290	49	740	8.2	11	419	949
3	447	2.0	2.7	30	193	1,110	45	2,640	6.6	13	329	723
4	361	1.9	2.6	29	171	873	43	2,730	5.2	11	238	557
5	276	2.4	2.4	29	163	704	40	2,440	4.2	16	177	454
6	194	3.5	2.0	30	255	561	38	1,890	5.1	11	143	383
7	140	3.6	1.9	35	297	454	36	1,350	14	7.2	193	323
8	102	3.2	1.9	328	368	387	35	984	16	5.1	331	267
9	76	2.8	2.5	702	399	337	40	750	14	3.8	250	231
10	57	3.0	2.6	739	355	296	37	579	12	3.0	276	853
11	44	3.8	2.4	734	325	248	33	460	10	3.1	259	1,940
12	34	4.6	2.2	1,020	295	203	30	377	8.3	5.2	214	3,180
13	28	4.3	23	1,160	265	171	27	311	6.4	7.2	223	4,450
14	23	3.6	57	947	237	148	25	252	4.9	8.0	475	4,470
15	19	5.0	72	774	219	133	24	193	3.7	6.3	539	3,950
16	16	2.7	74	644	193	124	22	150	2.7	5.0	518	3,260
17	14	2.5	74	766	180	111	20	121	1.9	6.6	471	2,590
18	11	2.2	73	1,060	310	97	18	100	1.4	5.1	405	2,000
19	9.4	2.0	69	997	435	86	16	82	1.0	125	405	1,510
20	8.1	1.8	63	893	395	89	14	67	.70	104	437	1,160
21	6.6	1.8	57	804	340	92	12	56	.70	74	700	921
22	5.4	1.6	52	694	322	82	11	46	.50	77	986	750
23	4.6	1.6	47	601	310	72	9.1	39	.40	77	1,080	615
24	4.1	1.9	47	529	272	66	8.1	33	.20	65	1,000	520
25	4.2	2.0	43	474	258	62	7.9	29	.20	200	834	454
26	3.9	2.0	39	431	244	67	7.8	24	.20	354	872	399
27	3.3	1.8	36	381	350	90	8.3	21	.10	454	786	376
28	2.8	1.8	33	348	1,330	85	59	17	.20	687	820	363
29	2.5	3.0	31	328	1,560	77	180	15	.30	648	1,290	332
30	2.2	4.2	28	277	-----	69	204	14	.60	538	1,400	304
31	1.9	-----	28	251	-----	60	-----	12	-----	444	1,360	-----
TOTAL	2,749.0	78.3	975.5	16,101	10,493	9,754	1,153.2	16,732	139.60	4,023.6	17,829	39,484
MEAN	48.7	2.61	31.5	519	362	315	38.4	540	4.65	130	575	1,316
MAX	473	4.6	74	1,160	1,560	1,510	204	2,730	16	687	1,400	4,470
MIN	1.9	1.6	1.9	29	163	60	7.8	82	.10	3.0	143	231
CFSM	.55	.02	.20	3.25	1.97	.24	3.37	.03	.81	.39	8.23	3.59
IN.	.64	.02	.23	3.74	2.44	2.27	.27	3.89	.03	.94	4.14	9.18

CAL YR 1963. TOTAL 29,516.40 MEAN 80.9 MAX 678 MIN 0 CFSM .51 IN 6.86  
 MAY YR 1964 TOTAL 119,512.20 MEAN 327 MAX MAY 4,470 MIN .10 CFSM 2.04 IN 27.78

Note --Shifting-control method used Nov 6 to Dec 13

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	277	67	63	738	73	247	207	80	1.6	573	106	115
2	243	85	57	570	74	485	190	69	1.2	485	113	103
3	218	87	58	459	75	855	173	60	.80	417	106	106
4	222	86	145	383	70	888	161	54	.60	342	99	135
5	223	84	392	328	66	879	157	48	.50	273	100	134
6	209	80	555	291	65	726	149	43	.40	241	136	122
7	185	76	515	257	103	590	136	38	.30	237	250	110
8	160	72	470	227	144	495	126	34	.40	264	336	97
9	146	69	421	204	136	431	115	30	.50	232	313	87
10	138	65	364	181	127	377	105	26	.60	212	276	84
11	125	62	319	164	117	336	96	23	2.4	221	242	88
12	115	59	277	145	109	303	88	21	4.2	230	198	70
13	107	56	240	131	106	280	78	20	3.8	241	182	59
14	110	54	242	119	178	279	69	19	3.5	236	315	52
15	165	53	233	112	389	259	61	15	14	237	393	47
16	237	51	191	106	389	228	57	13	24	241	431	42
17	236	49	169	98	371	204	52	12	55	226	513	70
18	210	47	190	90	397	193	47	9.8	253	191	568	196
19	184	45	194	83	429	393	48	8.6	404	170	533	134
20	161	46	166	78	381	672	84	7.3	388	153	463	107
21	141	51	154	75	327	747	80	6.1	337	154	423	86
22	125	48	147	72	279	618	72	5.2	291	157	443	70
23	114	45	138	69	241	520	66	4.4	245	148	399	60
24	105	44	131	71	283	455	60	3.7	184	138	310	58
25	98	44	126	75	377	405	60	3.2	183	127	231	53
26	91	83	123	71	369	354	99	2.7	361	118	289	46
27	86	77	1,400	70	315	327	125	2.5	645	107	365	75
28	81	71	1,500	66	282	303	149	4.9	789	96	300	299
29	76	70	1,400	62	-----	271	119	4.3	753	89	205	437
30	68	68	1,270	62	-----	243	95	3.4	628	106	156	626
31	66	-----	982	75	-----	220	-----	2.4	-----	106	132	-----
TOTAL	4,725	1,914	12,632	5,535	6,272	13,583	3,124	673.5	5,574.80	6,766	8,926	3,768
MEAN	152	63.8	407	179	224	438	104	21.7	186	218	288	126
MAX	277	87	1,500	738	429	888	207	80	789	573	568	626
MIN	66	44	57	62	65	193	47	2.4	.30	89	99	42
CFSM	.95	.40	2.55	1.12	1.40	2.74	.65	.14	1.16	1.36	1.80	.79
IN.	1.10	.44	2.94	1.29	1.46	3.16	.73	.16	1.30	1.57	2.07	.88

CAL YR 1964 TOTAL 134,980.40 MEAN 369 MAX 4,470 MIN .10 CFSM 2.31 IN 31.37  
 MAY YR 1965 TOTAL 134,499.20 MEAN 201 MAX 1,900 MIN .30 CFSM 1.26 IN 21.08

Note --No gage height record Dec 27, 28



## 2-2290 Middle Prong St Marys River at Taylor, Fla

Location --Lat 30°26', long 82°17', on line between secs 2 and 3, T 1 S, R 20 E, near center of span on upstream side of bridge on State Highway 125, 0.5 mile southeast of Taylor, Baker County, and three-quarters of a mile upstream from Little River

Drainage area --45 sq mi (revised), approximately

Records available --September 1955 to September 1965

Gage --Digital water-stage recorder Datum of gage is 89.4 ft above mean sea level, datum of 1929 (from elevation of centerline of bridge, furnished by Florida State Road Department) Prior to Oct 30, 1963, graphic water-stage recorder at same site and datum

Average discharge --10 years, 104 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (450 cfs, revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 9, 1960	1300	544	9 00	Jan 18, 1964	1030	896	10 14	Sept 12, 1964	2330	* 3,920	14 38
Aug 31, 1961	0330	* 776	9 83	Feb 28, 1964	1530	1,740	11 58				
				May 3, 1964	0330	3,590	13 98	Dec 27, 1964	1745	* 1,680	11 50
Sept 24, 1962	0800	* 190	5 63	July 27, 1964	1930	868	10 06	Mar 5, 1965	0415	556	9 03
				Aug 5, 1964	1215	735	9 71	June 27, 1965	0800	578	9 15
Feb 6, 1963	1900	* 454	8 48	Aug 29, 1964	1930	482	8 65	Aug 17, 1965	1145	622	9 31

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 22, 23, 1961	0 80	1 20	1964	June 25, 1964	1 6	94
1962	May 27-30, 1962	40	a 94	1965	June 6, 7, 1965	1 2	1 05
1963	June 8, 1963	40	b 85				

a Occurred May 28, 29, 30, 1962

b Occurred Sept 27, 1963

1955-65 Maximum discharge, 3,920 cfs Sept 12, 1964 (gage height, 14.38 ft), minimum daily, 0.10 cfs Aug 24-31, Sept 12-18, 23, 1956, minimum gage height, 0.85 ft Sept 27, 1963

Remarks --Records fair except those for periods of shifting control, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	453	51	6.0	7.6	31	46	3.4	11	2.6	5.2	14	578
2	369	46	5.2	8.2	29	42	3.1	10	2.1	7.4	11	491
3	299	41	4.7	7.4	49	38	2.2	8.7	2.0	7.1	9.4	414
4	258	38	4.4	6.3	73	36	1.9	7.4	1.7	6.9	12	344
5	235	36	4.1	5.5	63	34	1.7	6.1	1.5	6.1	8.4	290
6	223	34	3.9	5.0	56	33	1.6	4.9	1.3	5.2	7.1	350
7	235	31	3.6	4.4	68	31	1.8	4.1	1.2	4.5	9.7	233
8	354	28	3.4	4.1	96	29	1.8	3.4	1.1	3.9	7.1	197
9	526	27	3.1	4.7	89	27	5.5	3.0	1.1	5.7	12	168
10	493	25	2.8	4.4	81	25	23	5.4	1.1	6.4	154	146
11	431	24	2.8	4.1	74	23	21	6.4	1.1	5.2	89	131
12	381	23	2.8	3.4	69	21	87	6.4	1.0	5.2	66	132
13	340	22	2.8	7.6	65	20	149	4.5	.90	5.9	53	153
14	308	21	2.6	29	60	19	95	3.3	1.1	6.4	45	148
15	280	20	4.1	30	56	18	79	2.6	1.3	6.6	40	126
16	257	18	6.0	24	51	16	114	2.2	1.3	24	34	124
17	232	17	6.3	21	46	15	106	1.8	2.4	73	29	120
18	209	15	5.8	19	42	14	86	1.6	2.1	49	26	112
19	185	14	5.2	18	39	13	71	1.4	1.8	77	46	103
20	180	13	4.7	18	37	14	62	1.2	1.7	144	197	97
21	164	12	5.8	17	36	14	52	1.1	3.7	348	205	90
22	150	11	7.1	16	36	12	44	1.0	8.9	245	180	83
23	135	10	7.4	15	41	11	39	1.2	6.4	187	163	74
24	121	9.6	6.6	14	65	9.6	34	1.7	4.3	127	184	64
25	108	9.0	6.0	16	68	8.2	29	1.7	3.1	90	485	57
26	96	9.0	5.5	19	67	6.8	25	3.1	2.4	70	561	50
27	87	8.5	4.7	20	58	5.8	21	12	2.6	55	712	49
28	78	7.9	4.4	19	50	5.0	19	8.4	3.0	42	643	46
29	70	7.4	3.9	30	-----	4.4	16	5.2	2.4	33	611	40
30	62	6.8	3.9	40	-----	3.6	13	3.4	2.7	25	643	34
31	56	-----	4.7	34	-----	3.1	-----	2.6	-----	19	702	-----
TOTAL	7,379	635.2	144.3	471.7	1,595	597.5	1,208.0	136.8	70.10	1,695.7	5,958.7	5,044
MEAN	238	21.2	4.65	15.2	57.0	19.3	40.3	4.41	2.34	54.7	192	168
MAX	526	51	7.4	40	96	46	149	12	8.9	348	712	578
MIN	56	6.8	2.6	3.4	29	3.1	1.6	1.0	.90	3.9	7.1	34
CFSM	5.29	.47	.10	.34	1.27	.43	.89	.10	.05	1.22	4.27	3.74
IN.	6.10	.52	.12	.39	1.32	.49	1.00	.11	.06	1.40	4.92	4.17

CAL YR 1960: TOTAL 46,328.30 MEAN 127 MAX 1,200 MIN .80 CFSM 2.81 IN 38.29  
 WAT YR 1961: TOTAL 24,936.00 MEAN 68.3 MAX 712 MIN .90 CFSM 1.52 IN 20.61

Note --Shifting-control method used Nov 20 to Jan 11, June 10 to July 19

## 2-2290 Middle Prong St Marys River at Taylor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	1.4	1.8	2.1	1.7	1.2	61	3.5	.60	1.3	14	17
2	25	1.4	1.7	2.2	1.6	3.0	110	2.9	1.5	1.3	16	14
3	22	1.4	1.7	2.2	1.6	0.7	66	2.4	1.7	1.3	14	12
4	19	1.3	1.6	1.9	1.6	5.4	41	1.9	1.2	1.2	46	11
5	16	1.3	1.6	1.9	1.6	3.9	30	1.7	.80	1.2	100	33
6	13	1.6	1.6	1.9	1.7	3.1	26	1.5	1.2	1.9	126	38
7	11	3.9	1.6	2.0	1.7	2.7	25	1.3	1.2	4.5	125	65
8	9.3	3.0	1.6	2.1	1.6	2.5	24	1.2	1.2	4.8	108	122
9	7.8	2.2	1.5	2.0	1.6	2.4	22	1.0	1.4	4.0	82	116
10	6.8	1.9	1.5	1.9	1.6	2.3	18	1.0	1.3	3.0	62	96
11	6.0	1.8	1.5	2.1	1.6	2.2	16	1.0	1.9	2.7	49	144
12	5.6	1.7	1.5	2.6	1.6	2.6	13	.90	2.0	2.6	39	134
13	5.0	1.7	2.2	2.9	1.6	4.3	12	.80	1.5	2.5	31	93
14	4.6	1.6	2.8	2.8	1.5	3.8	10	.80	1.4	2.5	24	72
15	4.6	1.6	2.4	2.7	1.5	7.4	8.6	.80	1.2	2.7	19	57
16	4.0	1.6	2.2	2.6	1.6	14	7.3	.80	1.3	2.8	16	45
17	3.5	1.6	2.0	2.6	1.6	9.7	6.5	.70	1.3	3.0	14	36
18	3.5	1.6	1.9	2.4	1.6	7.7	5.6	.60	1.2	4.0	13	28
19	3.1	1.6	1.9	2.3	1.6	6.5	4.8	.60	1.0	5.2	11	22
20	2.8	1.6	1.9	2.1	1.5	5.7	4.2	.60	1.3	4.9	9.6	19
21	2.5	1.7	1.9	2.0	1.4	4.9	3.8	.60	1.2	5.2	16	16
22	2.2	1.7	1.8	2.0	1.3	4.5	3.4	.60	1.2	6.5	62	18
23	2.0	2.4	1.7	1.9	1.3	6.3	3.0	.60	1.5	6.1	102	134
24	1.6	3.4	1.7	1.9	1.3	9.7	2.6	.90	1.3	6.1	78	186
25	1.2	3.0	1.6	1.9	1.3	8.6	2.6	.60	1.2	5.8	84	162
26	1.2	2.4	1.6	1.9	1.3	7.8	2.4	.50	1.2	5.6	69	129
27	1.2	2.2	1.6	1.9	1.3	7.0	2.7	.40	1.6	6.1	55	103
28	1.2	2.0	1.7	2.0	1.3	6.1	3.0	.40	4.0	7.2	44	84
29	1.2	1.9	1.7	1.9	-----	5.3	3.9	.40	1.6	6.6	35	67
30	1.3	1.9	1.6	1.9	-----	4.6	3.9	.40	1.3	6.5	28	54
31	1.4	-----	1.7	1.8	-----	5.3	-----	.50	-----	7.3	21	-----
TOTAL	219.6	58.4	55.1	66.4	42.5	107.2	542.5	11.90	42.30	126.4	1,532.6	2,127
MEAN	7.08	1.95	1.78	2.14	1.52	5.39	18.1	1.03	1.41	4.08	49.4	70.9
MAX	30	3.9	2.6	2.9	1.7	14	110	3.5	4.0	7.3	126	186
MIN	1.2	1.3	1.5	1.6	1.3	1.2	2.6	.60	1.2	9.6	11	11
CFSM	10	.04	.04	.05	.03	.12	.02	.02	.03	.09	1.10	1.58
IN.	.18	.05	.05	.05	.04	.14	.45	.03	.03	.10	1.27	1.76

CAL YR 1961 TOTAL 17,110.90 MEAN 15.9 MAX 712 MIN .90 CFSM 1.94 IN 14.14  
 MAY YR 1962 TOTAL 5,017.90 MEAN 15.9 MAX 186 MIN .40 CFSM 1.31 IN 14.14

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	44	2.9	5.1	6.4	120	216	56	2.0	.80	14	40	13
2	39	2.7	7.3	5.9	111	270	49	1.9	.80	16	34	12
3	34	2.7	6.5	5.4	153	283	43	1.8	.70	50	32	10
4	34	2.9	6.1	5.0	358	250	39	1.6	.60	27	29	8.8
5	37	2.6	5.7	4.6	450	228	34	1.6	.60	17	26	7.1
6	33	2.4	6.4	4.7	451	219	30	1.4	.50	11	22	5.8
7	27	2.3	6.5	7.8	443	216	29	1.4	.50	9.1	21	5.9
8	22	2.1	6.1	11	406	196	28	1.4	.70	9.1	24	9.6
9	21	2.5	6.2	9.8	359	180	25	1.2	1.0	8.8	26	12
10	18	2.6	6.2	9.0	315	185	22	1.2	1.1	10	26	11
11	15	2.4	5.7	8.3	286	181	20	1.1	1.0	7.6	25	9.0
12	13	2.4	5.4	47	301	168	18	1.1	1.1	5.2	21	6.8
13	11	2.7	5.7	198	314	156	16	1.0	1.2	4.1	19	5.1
14	9.3	2.4	5.1	241	290	158	14	1.0	1.0	6.4	24	3.8
15	7.9	2.0	5.0	238	260	325	12	1.0	.90	11	44	2.9
16	6.7	1.8	4.9	226	232	398	11	.80	.70	18	39	2.2
17	5.5	1.8	4.9	207	208	373	9.1	.80	1.2	26	40	1.9
18	4.7	1.7	4.7	190	188	340	7.9	.70	1.8	39	40	1.6
19	3.9	1.6	4.6	182	194	306	6.7	.70	1.9	50	38	1.7
20	3.7	1.6	4.5	181	214	272	5.8	.70	1.6	53	36	1.0
21	3.3	1.8	4.4	193	192	238	5.0	.90	2.3	55	35	.80
22	3.1	2.3	4.3	199	170	204	4.3	1.2	5.4	58	40	1.4
23	2.8	2.1	4.1	191	150	176	3.8	1.2	3.8	66	35	1.6
24	2.5	2.1	3.9	181	182	155	3.4	1.1	3.8	67	32	1.0
25	2.4	2.1	3.7	170	292	136	2.9	1.1	4.5	63	28	.80
26	2.1	2.1	3.6	158	280	122	2.7	1.0	15	58	25	.70
27	2.1	2.0	3.8	159	257	108	2.4	.90	20	52	22	1.6
28	2.0	2.0	4.3	164	230	95	2.1	.90	13	49	20	2.6
29	2.0	2.0	4.0	156	-----	84	1.9	.80	12	46	18	31.8
30	2.0	2.4	5.9	140	-----	73	1.9	.80	13	45	16	430
31	2.9	-----	7.0	129	-----	64	-----	.80	-----	44	14	-----
TOTAL	416.9	67.0	161.7	3,627.9	7,406	6,375	505.9	35.10	112.50	995.3	891	889.20
MEAN	13.4	2.23	5.22	117	265	206	16.9	1.13	3.75	32.1	28.7	29.6
MAX	44	2.9	7.3	241	451	398	56	2.0	20	67	44	430
MIN	2.0	1.6	3.6	4.6	111	64	1.9	.70	.50	4.1	14	.70
CFSM	.30	.05	.12	2.60	5.88	4.57	.37	.03	.08	.71	.64	.66
IN.	.34	.06	.13	3.00	6.12	5.27	.42	.03	.09	.82	.74	.73

CAL YR 1962 TOTAL 5,324.40 MEAN 14.6 MAX 180 MIN .40 CFSM .32 IN 4.40  
 MAY YR 1963 TOTAL 21,483.50 MEAN 58.9 MAX 451 MIN .50 CFSM 1.31 IN 17.75

## 2-2290 Middle Prong St Marys River at Taylor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	434	15	10	20	232	1,170	68	220	17	37	540	322
2	388	14	9.6	20	213	1,060	63	962	15	84	637	272
3	336	12	8.9	19	190	986	59	3,250	12	129	649	228
4	319	11	8.3	18	171	894	55	2,590	10	144	588	194
5	351	12	7.6	17	165	781	52	2,220	8.2	107	692	168
6	385	17	7.0	17	241	668	50	2,000	12	73	597	147
7	388	18	6.5	24	273	563	47	1,660	21	51	477	128
8	363	17	6.2	160	351	467	44	1,280	20	37	407	111
9	322	15	6.1	353	406	389	43	998	17	27	365	104
10	282	14	5.8	343	365	331	40	796	14	20	323	461
11	241	15	5.5	306	332	282	36	650	11	20	295	1,350
12	205	16	5.4	485	308	242	33	529	9.6	25	275	2,820
13	175	14	22	689	299	212	30	421	8.0	34	273	3,610
14	150	13	32	624	279	186	27	342	6.6	45	311	3,250
15	130	11	34	569	270	168	25	278	5.4	44	261	3,040
16	116	10	30	543	263	157	23	225	4.4	38	213	2,680
17	101	9.7	46	482	145	145	21	185	3.6	34	179	2,210
18	88	9.1	24	884	292	130	19	155	3.0	64	156	1,730
19	76	8.6	22	828	427	117	17	131	2.5	138	155	1,310
20	66	8.0	21	760	399	116	15	110	2.3	126	156	1,020
21	57	7.5	20	699	348	113	13	93	2.1	128	168	825
22	50	7.0	19	638	312	104	11	78	1.9	205	212	671
23	43	6.6	19	582	286	94	9.9	66	1.8	203	244	557
24	39	6.6	20	527	259	86	9.1	57	1.7	174	214	460
25	36	6.7	20	471	239	80	9.1	49	1.6	181	182	381
26	32	6.3	19	414	229	85	9.3	42	8.6	341	200	323
27	29	6.0	18	365	311	97	11	36	11	692	256	278
28	26	5.8	18	337	1,500	91	100	31	14	755	294	241
29	23	8.7	17	321	1,400	87	208	26	25	619	444	215
30	20	11	16	287	80	172	22	27	27	545	462	195
31	17	-----	16	254	-----	73	-----	20	-----	527	375	-----
TOTAL	5,289	331.6	499.9	12,256	10,605	10,054	1,310.4	19,522	297.3	5,647	10,581	29,301
MAX	434	11.1	16.1	395	366	324	44.0	630	9.91	182	341	977
MIN	17	5.8	5.4	17	165	73	9.1	20	1.6	20	155	104
CFSM	3.79	.25	.36	8.79	8.13	7.21	.98	14.0	.22	4.05	7.58	21.7
IN.	4.37	.27	.41	10.1	8.76	8.31	1.09	16.1	.25	4.67	8.74	24.2

CAL YR 1963 TOTAL 26,958.40 MEAN 73.9 MAX 451 MIN .50 CFSM 1.64 IN 22.28  
WAT YR 1964 TOTAL 105,703.2 MEAN 289 MAX 3,610 MIN 1.6 CFSM 6.42 IN 87.36

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	161	39	29	954	65	213	162	17	1.4	248	113	111
2	163	45	26	852	61	301	150	15	1.3	196	196	100
3	143	42	27	735	58	457	136	13	1.3	153	168	109
4	151	40	98	634	54	513	123	12	1.3	123	134	176
5	146	37	234	535	51	538	113	11	1.3	106	112	218
6	145	35	315	445	50	479	103	9.5	1.2	190	255	229
7	138	32	270	374	83	421	94	8.6	1.2	138	266	240
8	130	30	234	319	102	381	85	7.5	1.4	111	268	220
9	125	28	211	275	100	349	76	6.6	1.4	95	352	210
10	120	26	194	239	96	319	69	5.5	2.2	114	270	200
11	114	25	184	210	94	293	63	4.9	4.9	116	243	190
12	108	23	179	184	93	268	57	4.2	3.7	113	224	180
13	102	22	178	165	95	247	52	4.2	2.9	126	206	169
14	104	20	195	150	148	236	47	3.5	3.4	99	335	150
15	110	19	199	138	254	220	42	2.9	10	95	508	130
16	115	18	187	127	254	199	39	2.6	20	89	594	110
17	115	17	176	116	241	180	35	2.3	50	96	619	90
18	110	16	182	104	257	166	30	2.1	100	112	590	100
19	100	15	173	96	305	174	27	2.2	150	174	537	80
20	90	16	158	89	305	274	26	2.0	131	215	472	70
21	80	18	147	82	288	347	24	1.8	121	401	402	64
22	75	18	140	76	272	313	23	1.7	112	358	356	55
23	70	17	131	71	256	288	21	1.6	105	166	310	50
24	65	16	122	70	266	264	19	1.6	100	104	268	45
25	67	26	114	69	284	244	17	1.4	129	73	233	40
26	58	30	126	65	276	229	17	1.4	323	57	214	35
27	53	30	1,220	62	251	216	20	1.4	530	55	183	50
28	49	29	1,270	58	231	204	24	1.4	383	55	163	100
29	46	32	1,070	54	-----	194	23	1.4	298	51	149	158
30	43	32	1,020	54	-----	181	19	1.4	258	58	144	250
31	39	-----	1,020	68	-----	170	-----	1.4	-----	60	128	-----
TOTAL	3,150	793	9,829	7,470	4,890	8,882	1,736	153.1	2,849.9	4,070	9,014	3,929
MEAN	102	26.4	317	241	175	287	57.9	4.94	95.0	131	291	131
MAX	181	45	1,270	954	305	538	162	17	530	401	619	250
MIN	39	15	26	54	50	166	17	1.4	1.2	51	112	35
CFSM	2.28	.59	7.05	5.45	3.88	6.37	1.29	.11	2.11	2.92	6.46	2.91
IN.	2.60	.66	8.12	6.17	4.04	7.34	1.43	.13	2.36	3.36	7.45	3.25

CAL YR 1964: TOTAL 113,354.7 MEAN 310 MAX 3,610 MIN 1.6 CFSM 6.88 IN 93.68  
WAT YR 1965: TOTAL 56,766.0 MEAN 156 MAX 1,270 MIN 1.2 CFSM 3.46 IN 46.91

2-2300 Turkey Creek at Macclenny, Fla

Location --Lat 30°16'05", long 82°07'20", in NE 1/4 sec 5, T 3 S, R 22 E, near left bank at downstream side of bridge on State Highway 23, 0.9 mile south of Macclenny, Baker County, and 1.8 miles upstream from mouth

Drainage area --20.9 sq mi

Records available --September 1955 to September 1965

Gage --Staff gage read twice daily, and crest-stage gage Datum of gage is 102.27 ft above mean sea level, datum of 1929 (Florida State Road Department bench mark)

Average discharge --10 years, 28.8 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (400 cfs, revised), water years 1961-65							
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
July 27, 1961	0900	* 445	5.71	July 1, 1963	0030	618	6.08
				July 3, 1963	0900	546	5.96
Aug 2, 1962	0600	455	5.79	Sept 29, 1963	1730	* 1,270	7.10
Aug 7, 1962	0200	* 946	6.61				
				Feb 28, 1964	0800	800	6.40
Feb 4, 1963	1200	778	6.34	May 2, 1964	2300	* 2,600	8.40
June 27, 1963	0230	500	5.88				
				Sept 12, 1964	1830	1,730	7.62
				Dec 6, 1964	0130	* 690	6.21
				Dec 27, 1964	0200	586	6.02
				Feb 14, 1965	2230	520	6.90
				Aug 16, 1965	0730	420	5.70

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 1, 6, 7, 1961	0.40	0.78	1964	Many days	a 0.60	b 0.68
1962	May 28, 1962	10	67	1965	do	a 50	c 60
1963	June 21, 22, 1963	50	92				

a Minimum daily

b Occurred June 21-25, July 9, 10, 1964

c Occurred May 28, June 7, 8, 1965

1955-65 Maximum discharge, 2,600 cfs May 2, 1964 (gage height, 8.40 ft), minimum, 0.10 cfs May 28, 1962, minimum gage height, 0.60 ft May 28, June 7, 8, 1965

Remarks --Records good except those for the 1961 and 1963 water years, those for periods of shifting control, and those below 10 cfs, which are fair

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	97	4.7	1.4	3.3	11	22	6.4	.90	.40	26	37	80
2	65	3.2	1.4	2.5	16	18	2.2	1.1	.50	18	28	51
3	46	3.0	1.4	2.0	23	14	1.7	.90	.50	14	23	37
4	35	2.2	1.4	1.9	34	13	2.2	.80	.50	10	19	28
5	28	2.0	1.3	1.8	30	10	1.6	.70	.50	7.8	15	20
6	23	1.9	1.4	1.8	26	9.2	1.4	.70	.40	5.5	14	15
7	86	1.8	1.4	1.8	36	8.0	2.5	.70	.70	3.7	11	14
8	330	1.6	1.4	2.4	48	6.9	1.7	.60	1.0	4.4	8.9	9.7
9	263	1.7	1.4	2.6	38	5.6	32	1.2	1.9	5.3	7.4	7.2
10	154	1.8	1.4	2.0	32	4.4	94	9.5	.90	25	6.5	4.4
11	100	1.7	1.4	1.9	24	3.8	47	2.3	.80	23	6.8	7.0
12	61	1.6	1.5	1.9	20	3.3	35	1.4	.90	14	4.8	15
13	43	1.7	1.4	11	16	3.0	32	1.0	.80	10	15	23
14	34	1.6	1.4	12	14	2.8	23	.80	5.4	6.5	15	24
15	29	1.5	5.0	7.7	12	2.4	18	.80	25	3.0	9.9	28
16	24	1.5	7.5	6.6	10	2.1	28	.70	51	1.9	6.3	27
17	19	1.5	4.0	5.3	8.8	2.0	24	.60	118	1.5	11	21
18	16	1.5	2.6	3.7	8.2	2.0	17	.70	79	45	6.7	16
19	13	1.5	2.2	3.3	8.0	2.2	12	.60	50	111	24	13
20	12	1.5	2.0	4.6	7.5	2.3	9.3	.60	37	157	236	11
21	13	1.4	6.2	4.9	6.6	9.9	7.2	.60	26	190	180	8.4
22	9.3	1.4	5.3	4.0	30	5.0	5.2	.60	60	118	100	6.1
23	7.4	1.4	4.3	3.4	56	4.3	3.6	.60	48	116	62	3.7
24	6.7	1.4	3.4	3.7	126	2.9	2.7	1.0	34	98	45	2.9
25	5.9	1.4	2.8	5.2	68	2.4	1.7	1.6	25	81	35	2.2
26	4.9	1.4	2.6	7.7	45	2.0	1.7	3.2	19	79	33	1.9
27	4.4	1.4	2.3	9.0	35	2.0	1.4	4.0	15	323	214	2.0
28	3.8	1.5	1.7	9.2	26	1.7	1.2	1.1	17	116	153	12
29	3.2	1.4	1.6	11	26	1.7	1.1	.80	31	111	131	4.6
30	2.7	1.4	2.1	14	14	1.5	.90	.70	31	72	131	4.8
31	3.1	2.2	12	12	12	3.6	.60	.60	49	107	107	4.8
TOTAL	1,542.4	53.6	77.6	164.2	815.1	174.0	417.70	41.40	681.20	1,845.6	1,696.3	499.9
MEAN	49.8	1.79	2.50	5.30	29.1	5.61	13.9	1.34	22.7	59.5	54.7	16.7
MAX	330	4.7	7.5	14	126	42	94	9.5	118	323	236	80
MIN	2.7	1.4	1.3	1.8	6.6	1.5	.90	.60	.40	1.5	4.8	1.9
CFSM	2.38	.09	.12	.25	1.39	.27	.67	.06	1.09	2.85	2.62	.80
IN.	2.74	.10	.14	.29	1.45	.31	.74	.07	1.21	3.28	3.02	.89

CAL YR 1960: TOTAL 13,014.60 MEAN 35.6 MAX 555 MIN .60 CFSM 1.70 IN 23.16

WAT YR 1961: TOTAL 8,009.00 MEAN 21.9 MAX 330 MIN .40 CFSM 1.05 IN 14.25

## 2-2300 Turkey Creek at Macolenny, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.2	1.1	1.6	2.8	1.5	1.1	14	.60	11	10	69	1.3
2	1.7	1.1	1.6	1.9	1.5	2.4	5.6	.40	4.8	6.5	306	1.2
3	1.6	1.0	1.5	1.6	1.4	4.0	3.9	.40	1.4	4.6	124	3.1
4	1.4	1.0	1.5	1.6	1.4	2.5	2.9	.50	.90	3.5	69	1.8
5	1.2	1.1	1.5	1.6	1.5	2.2	2.5	.50	.70	3.4	85	1.7
6	1.2	5.2	1.5	2.1	2.7	1.8	2.2	.40	.60	4.8	102	1.6
7	1.2	3.6	1.5	4.3	1.9	1.6	2.4	.40	1.5	44	564	2.0
8	1.1	2.0	1.4	2.0	1.6	1.6	2.2	.40	2.4	32	200	2.4
9	1.1	1.4	1.4	1.7	1.6	1.5	1.7	.30	2.4	17	73	2.0
10	1.1	1.3	1.4	1.6	1.7	1.5	1.6	.30	2.7	12	41	1.6
11	1.1	1.3	1.4	2.1	1.4	1.5	1.4	.20	3.3	7.3	27	1.2
12	1.0	1.4	1.4	4.2	1.4	1.6	1.5	.80	3.8	5.2	16	1.2
13	1.5	1.4	2.2	2.8	1.4	1.5	3.9	.60	2.9	3.6	11	1.0
14	1.4	1.4	1.8	2.2	1.4	1.3	1.9	.40	3.3	2.8	6.8	1.0
15	1.3	1.4	1.8	2.0	1.4	5.0	1.5	.40	4.0	2.3	4.9	.90
16	1.1	1.3	1.6	2.0	1.8	3.0	1.3	.40	4.6	1.8	3.6	1.0
17	1.1	1.2	1.5	1.8	1.9	2.1	1.2	.40	34	1.5	3.3	.80
18	1.1	1.2	2.4	1.8	1.6	1.7	1.7	.30	21	1.8	2.8	2.0
19	1.1	1.3	2.0	1.6	1.4	1.6	1.1	.30	12	2.2	3.0	14
20	1.0	1.4	1.6	1.6	1.4	1.5	1.0	.30	8.0	1.6	2.6	3.1
21	.90	1.5	1.4	1.6	1.4	1.5	.90	.20	7.5	1.6	1.8	2.0
22	1.0	1.4	1.4	1.6	1.2	1.7	.90	.20	7.5	1.5	1.9	2.2
23	1.0	9.8	1.4	1.6	1.2	10	.80	.20	8.6	1.2	2.3	7.8
24	1.0	4.7	1.4	1.6	1.1	3.4	.80	.40	6.7	1.1	2.1	4.2
25	1.0	2.0	1.4	1.6	1.1	2.4	.80	.30	4.8	.70	2.8	3.6
26	1.0	1.8	1.4	1.6	1.1	2.2	.70	.20	3.7	.50	2.1	2.9
27	1.0	1.7	1.4	1.6	1.1	1.8	1.2	.20	3.2	4.1	1.9	2.8
28	1.0	1.6	1.8	2.9	1.1	1.6	1.0	.10	39	13	1.7	2.4
29	1.2	1.6	1.5	1.8	-----	1.5	.90	.20	26	40	1.5	2.0
30	1.2	1.6	1.5	1.8	-----	1.5	.70	12	16	39	1.1	1.9
31	1.2	-----	2.3	1.6	-----	1.4	-----	7.2	-----	31	1.2	-----
TOTAL	37.30	59.8	49.5	60.7	41.2	70.0	63.70	29.50	325.70	301.60	1,734.4	76.70
MEAN	1.20	1.99	1.60	1.96	1.47	2.26	2.12	.95	10.9	9.73	55.9	2.56
MAX	2.2	9.8	2.4	5.2	2.7	10	14	1.2	46	44	564	14
MIN	.90	1.0	1.4	1.6	1.1	1.1	.70	.10	.60	.50	1.1	.80
CFSM	.06	.10	.08	.09	.07	.11	.10	.05	.52	.47	2.68	.12
IN.	.07	.11	.09	.11	.07	.12	.11	.05	.58	.54	3.09	.14

CAL YR 1961 TOTAL 6,482.00 MEAN 17.8 MAX 52.3 MIN .40 CFSM .85 IN 11.53  
 WAT YR 1962 TOTAL 2,890.10 MEAN 7.81 MAX 56.4 MIN .10 CFSM .37 IN 5.07

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.8	1.8	7.6	2.2	22	30	2.9	1.6	.90	360	17	206
2	1.6	1.3	3.2	2.2	20	52	2.8	1.2	.90	148	16	136
3	1.6	1.2	2.2	2.2	47	50	2.4	1.1	.70	380	66	69
4	1.6	2.2	2.0	2.1	39	39	2.2	1.1	.70	192	44	64
5	1.8	1.6	2.0	2.0	165	34	2.2	1.0	.70	124	26	33
6	1.7	1.4	3.1	3.8	126	29	3.1	.90	.70	74	16	29
7	1.6	1.2	2.5	4.8	91	24	7.8	.90	.70	51	11	24
8	1.8	1.1	2.4	4.0	63	19	4.4	1.4	2.0	47	8.8	21
9	1.5	1.6	2.3	3.4	46	21	2.9	1.0	1.0	44	12	17
10	1.8	1.2	2.0	2.9	39	31	2.4	.90	.70	38	9.9	13
11	1.4	1.0	2.0	2.8	34	22	2.1	.90	2.2	31	6.5	10
12	1.3	1.2	2.8	16	46	18	1.8	.50	.80	24	4.9	7.8
13	1.2	1.9	2.3	44	42	16	2.0	.70	1.5	19	5.8	6.4
14	1.2	1.2	2.0	53	35	24	1.6	.80	1.2	15	71	4.8
15	1.4	1.1	2.0	39	29	70	1.5	1.0	.70	12	219	3.8
16	1.2	1.1	2.0	29	24	4.1	1.4	.80	.60	25	86	3.7
17	1.1	1.0	2.1	24	21	32	1.3	.70	1.4	62	56	3.4
18	1.1	1.0	2.0	21	18	24	1.2	.90	3.7	164	39	2.9
19	1.0	1.6	2.0	19	33	19	1.2	1.0	1.4	80	26	2.7
20	.90	1.4	2.0	17	42	16	1.1	.70	.60	52	19	2.6
21	.90	1.5	2.0	25	35	1.7	1.1	.60	.60	49	16	2.8
22	1.1	3.4	1.9	19	30	10	.90	.90	.50	72	22	2.6
23	1.1	1.8	1.9	17	23	8.2	.90	1.5	.90	124	19	2.8
24	.90	1.6	1.9	15	41	7.0	.90	1.1	5.6	80	16	3.0
25	.80	1.6	1.9	12	61	5.6	.90	.90	13	135	13	3.0
26	.80	1.4	2.0	12	49	4.9	.90	.90	79	156	11	4.8
27	.80	1.4	9.7	33	39	4.4	.90	.80	320	113	9.9	22
28	.80	1.4	3.5	42	33	3.9	.80	1.4	170	52	7.6	38
29	.80	2.0	2.8	34	-----	3.7	.80	1.0	146	42	7.5	812
30	.80	4.2	2.6	28	-----	3.4	1.1	.80	245	33	6.2	666
31	3.5	-----	2.4	25	-----	3.3	-----	.90	-----	22	8.4	-----
TOTAL	43.90	47.4	83.1	560.4	1,593	683.4	57.50	30.20	1,003.70	2,420	896.5	2,197.1
MEAN	1.42	1.58	2.68	18.1	56.9	22.0	1.92	.97	33.5	91.0	28.5	73.2
MAX	3.5	4.2	9.7	53	339	70	7.8	1.6	320	380	219	812
MIN	.80	1.0	1.9	2.0	18	3.3	.80	.60	.50	12	4.9	2.6
CFSM	.07	.08	.13	.86	2.72	1.05	.09	.05	1.60	4.35	1.38	3.50
IN.	.08	.08	.15	1.00	2.83	1.22	.10	.05	1.79	5.02	1.60	3.91

CAL YR 1962 TOTAL 2,877.90 MEAN 7.88 MAX 56.4 MIN .10 CFSM .38 IN 5.12  
 WAT YR 1963 TOTAL 10,016.20 MEAN 27.4 MAX 812 MIN .50 CFSM 1.31 IN 17.82

## 2-2300 Turkey Creek at Macclenny, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	271	1.5	2.8	12	27	175	3.4	38	.90	1.1	223	70
2	181	1.5	2.6	11	24	115	3.2	904	.80	1.0	173	45
3	126	1.6	2.8	9.7	21	82	3.1	1,210	.80	8.1	125	34
4	78	1.4	2.6	8.6	19	50	3.0	440	.70	1.7	97	27
5	48	17	2.5	7.4	21	37	2.9	288	.70	.90	92	20
6	36	7.5	2.2	6.0	73	28	2.8	177	2.9	.80	57	16
7	30	4.0	2.1	16	57	22	2.3	109	20	.60	56	12
8	24	2.9	2.1	35	137	19	2.2	80	10	.60	38	9.4
9	19	2.5	2.1	70	108	16	3.3	47	6.8	.60	30	16
10	16	6.2	2.1	59	64	14	2.5	34	5.3	.60	24	910
11	12	4.7	2.1	46	45	12	2.1	28	3.5	1.5	20	1,100
12	9.1	4.0	2.1	289	36	9.9	1.8	21	2.5	2.5	17	1,280
13	7.8	3.3	12	247	31	8.9	1.7	19	1.5	1.5	14	1,000
14	7.4	2.9	8.6	150	28	7.5	1.6	17	1.0	1.1	20	495
15	6.8	2.8	6.6	97	24	7.0	1.5	14	.80	.70	16	282
16	6.6	2.6	5.7	63	30	6.9	1.4	11	.80	.70	12	183
17	6.4	2.4	5.2	152	24	6.2	1.4	8.1	.70	22	9.6	130
18	5.4	2.4	4.7	150	52	5.0	1.3	6.6	.70	15	11	80
19	4.3	2.3	4.2	126	86	4.4	1.2	5.2	.70	3.5	49	60
20	3.5	2.2	3.9	95	46	7.2	1.1	3.7	.70	1.8	172	40
21	2.9	2.2	3.6	65	35	5.3	1.0	3.0	.60	5.2	133	36
22	2.6	2.1	6.3	48	30	4.2	.90	2.6	.60	8.0	101	31
23	2.7	2.2	5.7	38	27	3.8	.80	2.1	.60	4.7	56	25
24	2.9	2.6	5.0	41	22	3.7	.80	1.7	.60	4.5	37	21
25	2.9	2.2	4.4	32	24	3.4	1.0	1.4	.60	10	42	17
26	2.6	2.1	4.2	31	21	9.7	1.3	3.8	.70	30	156	16
27	2.0	2.1	4.0	30	145	9.6	2.8	2.3	.70	52	93	15
28	1.4	2.3	3.6	50	658	8.8	70	1.5	.80	72	172	12
29	1.7	5.0	4.2	41	274	7.4	104	1.2	.80	52	28	21
30	1.5	3.5	3.6	34	-----	5.3	48	1.1	.80	39	165	29
31	1.5	-----	10	30	-----	4.2	-----	1.1	-----	62	101	-----
TOTAL	923.0	102.0	134.0	2,083.7	2,189	698.4	274.4	3,462.4	68.60	405.70	2,600.6	6,032.4
MEAN	29.5	3.40	4.32	67.2	70.5	22.5	9.15	112	2.29	13.1	81.9	201
MAX	271	17	12	289	175	104	104	1,210	20	72	289	1,280
MIN	1.4	1.4	2.1	6.0	19	3.4	.80	1.1	.60	.60	9.6	9.4
CFSM	1.42	.16	.21	3.22	3.61	1.08	.44	5.34	.11	.63	4.01	9.62
IN.	1.64	.18	.24	3.71	3.90	1.24	.49	6.16	.12	.72	4.63	10.7

CAL YR 1963 TOTAL 11,000.80 MEAN 30.1 MAX 812 MIN .50 CFSM 1.44 IN 19.58  
 MAY YR 1964. TOTAL 18,974.20 MEAN 51.8 MAX 1,280 MIN .60 CFSM 2.48 IN 33.76

Note --Shifting-control method used Oct 6 to Jan 8, Mar 5 to Apr 28

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	9.9	3.9	40	11	24	14	1.1	.50	3.6	12	20
2	17	36	3.7	35	35	67	11	1.0	.50	4.9	13	20
3	19	32	3.8	29	33	104	8.5	.90	.50	3.0	9.1	18
4	18	25	89	24	27	120	7.5	.80	.50	1.8	6.3	14
5	16	22	322	22	21	84	7.0	.80	.50	4.3	4.6	11
6	14	19	405	19	18	46	6.0	.70	.50	4.3	48	8.1
7	9.6	17	208	16	14	35	4.5	.70	.50	13	38	6.9
8	8.5	14	104	14	38	29	3.7	.70	1.4	12	29	5.7
9	7.7	13	70	13	32	22	3.1	.60	2.0	8.0	21	4.9
10	6.4	12	48	11	27	18	2.8	.60	5.9	4.4	21	3.9
11	5.7	9.9	39	9.9	23	16	2.5	.60	13	3.8	27	3.2
12	4.9	8.3	34	8.8	19	13	2.2	.50	6.0	2.8	37	2.5
13	4.2	7.0	31	8.1	29	12	1.8	2.8	5.4	2.3	33	2.1
14	12	6.3	31	7.4	161	13	1.5	1.2	12	5.0	98	1.8
15	26	6.0	26	6.9	244	13	1.3	.80	10	11	215	1.5
16	30	5.9	21	6.4	150	13	1.2	.80	9.3	17	343	1.3
17	24	5.4	21	5.7	104	12	1.1	.70	12	24	185	6.3
18	19	4.9	19	5.3	81	11	1.0	.60	8.8	19	111	7.4
19	16	4.4	17	5.0	87	29	1.0	.60	13	13	56	4.2
20	13	4.2	16	4.7	52	145	1.1	.60	7.7	11	34	3.2
21	10	4.2	16	4.5	37	121	1.1	.60	3.7	36	28	2.2
22	8.1	3.7	15	4.3	48	70	1.1	.60	2.8	34	20	1.8
23	6.9	3.4	13	4.0	40	45	1.1	.60	1.6	27	17	1.5
24	6.0	4.4	13	4.9	53	34	1.0	.50	1.1	18	18	1.7
25	5.4	11	12	5.3	43	26	3.2	.50	7.2	14	17	2.1
26	4.5	8.3	12	5.0	33	20	4.5	.50	11	11	15	1.3
27	3.8	5.7	334	4.7	24	16	3.7	.50	12	9.3	13	52
28	4.0	5.4	218	4.5	22	16	3.0	.50	10	6.6	18	170
29	5.2	5.3	144	4.2	-----	15	1.9	1.0	6.6	5.9	23	185
30	3.9	4.5	94	9.5	-----	9.9	1.3	.90	4.2	7.5	28	156
31	3.4	-----	57	17	-----	11	-----	.70	-----	5.4	24	-----
TOTAL	352.2	318.1	2,440.4	359.1	1,526	1,209.9	104.7	24.00	170.20	341.9	1,562.0	719.6
MEAN	11.4	10.6	78.7	11.6	54.5	39.0	3.49	.77	5.67	11.0	50.4	24.0
MAX	30	36	405	40	244	145	14	2.8	13	36	343	185
MIN	3.4	3.4	3.7	4.0	11	9.9	1.0	.50	.50	1.8	4.6	1.3
CFSM	.94	.51	3.77	.55	2.61	1.87	.17	.04	.27	.53	2.41	1.15
IN.	.63	.57	4.34	.64	2.72	2.15	.19	.04	.30	.61	2.78	1.28

CAL YR 1964. TOTAL 20,925.90 MEAN 57.2 MAX 1,280 MIN .60 CFSM 2.74 IN 37.24  
 MAY YR 1965. TOTAL 9,128.10 MEAN 25.0 MAX 405 MIN .50 CFSM 1.20 IN 16.24

2-2305 South Prong St Marys River at Glen St Mary, Fla

Location --Lat 30°16'40" long 82°08'40" in sec 31, T 2 S, R 22 E, on right bank 65 ft upstream from bridge on U S Highway 90 and 1 0 mile east of Glen St Mary, Baker County

Drainage area --130 sq mi (revised), approximately

Records available --January 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 77 13 ft above mean sea level, datum of 1929 Prior to Oct 30, 1963, graphic water-stage recorder at same site and datum

Average discharge --15 years, 144 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (700 cfs revised), for water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 8, 1960	2330	948	8 17	July 3, 1963	1230	1,450	9 07	Aug 1, 1964	0430	2,310	9 90
July 19, 1961	-	1,200	a 8 9	Sept 1, 1963	0600	1,880	9 51	Aug 29, 1964	0730	1,190	8 74
July 27, 1961	1130	785	8 31	Sept 30, 1963	-	* 2,870	b 10 37	Sept 12, 1964	2300	* 7,510	14 25
Aug 20, 1961	0630	* 2,150	9 77					Dec 5, 1964	1930	1,050	8 54
Aug 29, 1961	1800	1,420	9 13	Jan 12, 1964	2200	1,220	8 78	Dec 27, 1964	1445	* 1,530	9 16
				Jan 18, 1964	0215	1,220	8 78				
Aug 7, 1962	0600	* 915	8 45	Feb 28, 1964	1045	2,200	9 80	Feb 15, 1965	0830	982	8 42
Feb 4, 1963	1900	735	7 90	May 3, 1964	0315	6,340	15 26	Aug 16, 1965	1145	1,370	8 97

a About

b From floodmarks

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 4-7, 1961	3 3	a 1 64	1964	June 17, 18, 19, 1964	3 2	1 55
1962	May 10, 11, 1962	2 7	1 57	1965	May 7-12, 26, 1965	3 6	1 54
1963	Oct 28-31, 1962	2 8	b 1 66				

a Occurred May 23, 1961

b Occurred Apr 24-30, May 12-14, 1963

1950-65 Maximum discharge, 7,510 cfs Sept 12, 1964 (gage height, 14 23 ft), minimum, 0 40 cfs May 23, 1950 (gage height, 1 52 ft)

Flood in September 1947 reached a stage of 13 0 ft, from information furnished by Florida State Road Department (discharge, 6,000 cfs, revised)

Revisions --The maximum discharge for the water year 1950 has been revised to 5,680 cfs Sept 7, 1950 (gage height, 12 71 ft), superseding figure published in WSP's 1234, 1304, 1724

Remarks --Records fair prior to Jan 9, 1964, and good thereafter except those below 10 cfs, which are poor

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	774	30	7.7	27	58	166	29	13	3.9	60	120	894
2	701	27	7.3	30	55	145	25	12	3.9	44	81	740
3	614	24	7.3	27	105	121	22	10	3.9	34	59	698
4	526	21	6.9	27	107	101	22	8.8	3.3	29	76	624
5	434	20	7.3	26	172	82	21	8.0	3.3	24	57	553
6	349	18	7.3	25	155	67	19	7.2	3.3	20	46	488
7	368	16	8.2	24	160	58	21	6.8	3.5	17	46	431
8	770	14	8.2	24	213	51	20	6.0	4.4	17	39	355
9	864	13	7.7	27	202	46	50	6.0	18	20	40	279
10	840	13	7.7	26	185	41	340	22	7.2	30	41	228
11	900	12	8.2	26	166	38	266	24	5.6	54	42	195
12	876	11	11	25	146	35	231	16	5.0	32	40	179
13	790	11	11	33	126	33	238	10	4.4	25	59	197
14	686	11	10	50	109	31	208	8.0	6.8	22	162	201
15	585	10	13	42	93	29	176	6.8	4.2	17	179	160
16	468	9.6	29	40	78	27	188	6.0	61	13	164	148
17	352	9.6	21	39	66	25	179	5.6	173	11	120	138
18	267	9.1	18	38	59	25	159	5.3	131	46	115	119
19	210	9.1	17	36	54	25	146	5.3	73	681	297	102
20	172	9.1	16	37	50	25	127	5.0	51	921	1,930	89
21	142	8.6	18	36	47	41	104	5.0	62	589	1,690	77
22	118	8.2	25	36	76	38	80	5.0	139	466	1,370	65
23	94	8.2	22	35	115	36	62	5.3	95	399	907	54
24	74	7.7	21	34	215	35	50	6.4	56	382	684	44
25	58	7.7	20	36	218	32	42	7.2	42	330	602	38
26	48	7.7	20	43	214	29	36	14	35	293	571	32
27	41	8.2	20	48	200	27	30	15	31	701	1,150	28
28	36	8.6	19	48	184	23	25	9.3	45	484	1,160	30
29	32	8.2	18	55	-----	21	20	6.8	165	323	1,350	29
30	29	7.7	19	66	-----	19	16	5.6	96	225	1,230	31
31	27	-----	20	62	-----	20	-----	3.9	-----	167	942	-----
TOTAL	12,245	178.3	451.8	1,128	3,718	1,492	2,952	275.3	1,373.5	6,476	15,369	7,246
MEAN	395	12.6	14.6	36.4	133	48.1	98.4	8.88	45.8	209	496	242
MAX	900	30	29	66	218	166	340	24	173	921	1,930	894
MIN	27	7.7	6.9	24	47	19	16	3.9	3.3	11	39	28
CFSM	3.04	1.10	1.11	2.8	1.02	37	76	0.7	35	1.61	3.81	1.86
IN-	3.50	1.11	1.13	3.2	1.06	43	84	0.08	39	1.85	4.40	2.07

CAL YR 1960: TOTAL 79,092.6 MEAN 216 MAX 2,550 MIN 5.4 CFSM 1.66 IN 22.63  
 MAY YR 1961: TOTAL 53,104.9 MEAN 145 MAX 1,930 MIN 3.3 CFSM 1.12 IN 15.19

2-2305 South Prong St Marys River at Glen St Mary, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	28	5.3	6.8	8.0	7.2	5.3	30	3.3	22	13	40	12
2	25	5.3	6.4	8.8	6.8	10	41	3.1	32	9.3	257	11
3	20	5.3	6.4	8.4	6.4	30	32	3.1	12	7.2	217	12
4	16	5.3	6.4	8.0	6.8	17	28	2.9	6.4	6.0	132	20
5	13	5.3	6.0	8.0	6.8	13	25	2.9	4.7	6.0	109	12
6	11	8.4	6.0	8.4	6.8	10	22	2.9	4.4	20	122	9.3
7	9.8	13	6.0	12	8.0	8.8	19	2.9	9.6	164	739	9.8
8	8.0	9.8	6.0	9.8	8.0	7.6	17	2.9	15	68	404	17
9	7.6	8.0	6.0	8.8	7.6	7.2	14	2.9	14	36	234	15
10	6.8	7.2	6.0	8.4	7.6	6.8	12	2.7	12	30	112	11
11	6.4	6.4	6.0	8.4	3.0	6.8	10	2.7	16	30	62	8.8
12	6.0	6.4	6.0	17	7.6	6.4	8.8	3.5	19	25	45	7.6
13	5.6	6.4	6.8	15	7.6	6.0	17	3.5	10	20	38	6.8
14	5.6	6.4	6.4	12	7.2	5.6	15	3.4	27	15	32	6.4
15	6.0	6.4	8.0	11	7.2	16	14	3.3	245	12	28	6.4
16	5.6	6.4	7.6	10	6.8	24	12	3.3	102	9.3	24	6.0
17	5.3	6.4	7.6	9.3	7.6	15	8.8	3.3	53	7.6	23	5.6
18	5.3	6.4	7.6	8.8	7.6	12	7.6	3.3	30	8.0	20	6.0
19	5.0	6.4	7.6	8.0	7.2	10	6.4	3.3	19	8.4	15	16
20	4.7	6.4	7.6	8.0	7.2	8.8	5.6	3.3	13	8.8	14	31
21	4.4	6.8	7.2	8.0	6.8	4.4	5.0	3.3	10	8.4	11	16
22	4.4	6.8	6.8	8.0	6.4	8.0	4.4	3.3	10	7.2	12	12
23	4.4	9.3	6.6	7.6	6.3	23	4.1	3.3	14	6.4	14	28
24	4.4	24	6.8	7.6	6.0	27	3.4	3.4	9.8	5.6	12	30
25	4.4	13	6.0	7.6	6.0	20	3.7	3.7	7.6	5.3	14	31
26	4.4	8.8	6.6	7.2	5.6	19	3.5	3.5	6.0	6.0	15	39
27	4.4	7.6	6.0	7.2	5.6	16	3.3	3.3	5.6	8.4	15	39
28	4.4	7.6	6.4	8.4	5.3	13	4.5	3.3	39	27	18	37
29	4.4	7.2	6.8	9.3	-----	11	3.5	3.3	36	49	18	42
30	5.3	7.2	6.8	8.4	-----	3.3	3.3	9.2	22	89	17	48
31	5.6	-----	6.8	8.0	-----	3.8	-----	25	-----	48	14	-----
TOTAL	251.2	235.2	207.6	283.4	194.1	309.8	383.4	127.5	826.1	762.9	2,827.7	549.7
MEAN	8.10	7.46	6.70	9.14	6.13	10.6	12.0	4.11	27.5	24.6	91.2	18.3
MAX	28	24	8.4	17	8.0	30	41	25	245	164	739	48
MIN	4.4	5.3	6.0	7.2	5.3	5.3	3.3	2.7	4.4	5.3	11	5.6
CFSM	.06	.06	.05	.07	.05	.10	.10	.03	.21	.19	.70	.14
IN.	.07	.07	.06	.08	.06	.11	.11	.04	.24	.22	.81	.16
CAL YR 1961	TOTAL	40,722.8	MEAN	112	MAX	1,930	MIN	3.3	CFSM	.86	IN	11.65
WAT YR 1962	TOTAL	7,038.9	MEAN	19.3	MAX	739	MIN	2.7	CFSM	.15	IN	2.01

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	49	11	42	27	196	340	31	6.6	4.0	555	102	1,500
2	49	7.3	28	27	186	420	29	5.3	4.0	464	81	895
3	45	5.3	22	27	215	426	27	4.8	3.8	1,120	104	686
4	40	11	21	30	620	384	25	4.8	3.8	718	119	548
5	35	10	19	31	644	355	22	4.8	3.4	490	91	435
6	32	7.3	20	35	638	429	21	4.4	3.4	396	72	345
7	29	5.9	20	60	665	306	33	4.0	5.2	312	59	283
8	27	5.3	19	53	635	273	30	4.0	19	260	54	223
9	37	5.3	16	51	570	251	27	4.4	18	262	57	175
10	27	5.9	17	50	500	266	24	4.0	16	268	59	128
11	25	5.3	17	50	429	243	22	3.8	7.3	259	56	94
12	22	4.8	18	112	412	221	19	3.8	6.3	239	61	67
13	21	7.3	19	340	393	203	18	3.4	15	221	62	51
14	19	8.0	19	298	335	199	16	3.8	8.7	195	114	41
15	19	6.6	19	325	290	324	14	4.4	5.3	169	518	33
16	17	5.9	19	410	254	286	12	4.4	4.0	157	329	28
17	14	5.9	19	466	222	225	11	4.0	9.2	198	236	25
18	12	5.9	19	462	195	194	9.4	4.0	34	299	204	20
19	9.4	5.0	19	422	169	8.0	5.9	28	28	284	183	17
20	7.3	8.7	19	367	273	143	6.6	4.8	23	184	194	14
21	5.9	9.4	18	345	244	121	5.9	7.0	21	144	213	13
22	5.3	14	18	294	232	98	5.3	37	18	214	285	12
23	4.8	18	18	240	217	80	4.8	16	40	410	375	111
24	4.0	12	18	204	242	68	4.8	12	198	328	526	10
25	3.4	11	17	172	368	59	4.4	8.0	95	404	575	9.4
26	3.2	10	19	150	355	53	4.4	5.9	217	334	558	11
27	3.0	40	48	186	381	44	4.0	4.4	545	505	504	41
28	2.8	10	43	238	353	44	4.0	4.4	458	291	438	117
29	2.8	10	35	211	-----	40	4.0	4.4	423	219	398	500
30	2.8	15	32	206	-----	37	4.4	4.4	396	169	368	2,500
31	6.8	-----	29	203	-----	34	-----	4.0	-----	155	363	-----
TOTAL	580.5	256.1	705	6,092	10,268	6,239	451.0	192.3	2,632.4	9,983	7,358	8,832.4
MEAN	18.7	8.54	22.7	197	367	201	15.0	6.20	87.7	322	237	294
MAX	49	15	45	466	665	426	33	32	545	1,120	575	2,500
MIN	2.8	4.8	17	27	186	34	4.0	3.4	3.4	144	54	9.4
CFSM	.14	.07	.17	1.51	2.82	1.55	.12	.05	.67	2.48	1.83	2.26
IN.	.17	.07	.20	1.74	2.94	1.70	.13	.06	.75	2.86	2.10	2.53
CAL YR 1962	TOTAL	7,886.5	MEAN	21.6	MAX	739	MIN	2.7	CFSM	.17	IN	2.26
WAT YR 1963.	TOTAL	53,584.7	MEAN	147	MAX	2,500	MIN	2.8	CFSM	1.13	IN	15.33

Note --No gage-height record Sept 29, 30, 1963



## ST MARYS RIVER BASIN

2-2305 South Prong St Marys River at Glen St Mary, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,900	9.5	24	50	259	1,820	46	295	11	6.0	1,890	666
2	1,600	9.5	23	46	236	1,570	43	1,380	8.9	6.0	1,270	611
3	1,300	8.8	21	44	213	1,270	40	5,660	6.9	14	1,030	548
4	1,070	8.2	21	41	194	1,000	38	5,230	5.9	18	799	473
5	800	21	20	40	186	801	35	4,280	5.7	11	718	400
6	600	58	19	38	140	642	34	3,200	13	7.3	582	329
7	500	40	18	49	352	521	32	2,310	56	5.5	464	262
8	414	39	17	102	524	426	30	1,630	29	4.7	497	205
9	326	36	17	244	580	352	32	1,150	20	4.3	386	179
10	249	39	16	268	563	289	29	843	15	4.2	327	2,370
11	191	41	16	293	548	235	27	632	11	7.1	293	4,470
12	160	43	16	800	511	196	24	483	7.7	15	256	6,190
13	130	41	60	1,050	460	167	22	376	6.0	19	216	7,140
14	100	40	57	998	411	143	20	299	5.4	26	246	6,230
15	80	37	49	965	364	123	21	219	4.9	28	218	5,130
16	70	35	47	865	342	107	20	164	4.4	26	175	4,050
17	50	32	44	962	315	93	19	124	5.2	36	141	3,130
18	44	30	40	1,130	319	81	17	90	3.4	93	113	2,380
19	37	28	36	972	490	71	15	65	3.3	43	146	1,790
20	33	26	34	885	434	74	13	52	3.8	32	454	1,340
21	31	24	32	793	407	70	11	44	3.8	30	618	1,020
22	28	24	31	693	387	64	9.2	37	4.0	37	672	794
23	26	22	30	603	364	59	8.0	32	3.9	32	720	629
24	24	23	35	524	332	55	6.9	28	3.9	40	506	506
25	22	21	33	455	303	51	7.4	26	4.0	69	643	409
26	20	20	32	414	282	62	11	42	4.4	167	709	330
27	17	20	30	364	260	76	13	29	4.7	378	633	278
28	15	20	30	362	1,970	60	170	24	5.2	450	690	229
29	13	28	29	357	1,810	59	410	19	5.3	513	1,090	220
30	11	28	29	314	-----	54	319	16	5.0	527	826	376
31	11	-----	33	282	-----	49	-----	13	-----	704	734	-----
TOTAL	9,872	852.0	938	15,003	13,886	10,640	1,522.5	28,792	270.7	3,357.1	18,217	52,684
MEAN	318	28.4	30.3	480	479	343	50.8	929	9.2	108	588	1,756
MAX	1,900	58	60	1,130	1,970	1,820	410	5,660	56	704	1,890	7,140
MIN	11	8.2	16	38	186	49	6.9	13	3.3	4.2	113	179
CFSM	2.45	.22	.23	3.72	3.68	2.64	.39	7.14	.07	.83	4.52	13.5
IN.	2.82	.24	.27	4.29	3.97	3.04	.44	8.24	.08	.96	5.21	15.1
CAL YR 1963: TOTAL	63,710.1			MEAN 175		MAX 2,500	MIN 3.4	CFSM 1.34	IN 18.23			
WAT YR 1964: TOTAL	150,034.3			MEAN 426		MAX 7,140	MIN 3.3	CFSM 3.28	IN 44.64			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	276	41	23	892	76	322	153	7.1	4.2	42	59	118
2	213	143	22	745	132	369	127	6.1	4.2	43	88	105
3	192	114	31	627	200	530	107	5.2	4.2	40	68	96
4	169	99	290	527	178	589	90	4.5	4.9	31	56	86
5	153	85	856	441	162	639	83	4.2	5.7	58	54	81
6	139	73	930	373	146	602	69	3.8	5.3	116	172	150
7	129	62	934	316	178	550	61	3.6	4.5	92	198	251
8	111	55	873	266	242	500	54	3.6	8.8	93	172	318
9	99	50	737	224	243	450	48	3.6	14	62	213	345
10	85	45	600	193	251	404	44	3.6	57	49	240	324
11	73	42	518	167	254	351	39	3.6	244	44	247	280
12	66	39	450	144	250	306	34	3.6	70	38	351	228
13	62	36	400	125	257	272	30	7.6	70	35	339	184
14	71	33	350	110	429	246	26	5.6	116	39	366	147
15	128	31	294	97	907	213	21	4.8	155	76	641	115
16	149	30	246	87	810	186	18	4.5	152	103	1,180	89
17	152	28	210	76	833	163	15	4.2	225	207	967	78
18	142	25	186	67	801	146	13	4.2	246	173	893	81
19	130	24	163	60	777	179	11	3.9	223	149	760	54
20	115	23	143	56	676	386	9.5	3.9	189	155	629	44
21	98	22	128	52	577	456	8.8	3.9	155	364	529	36
22	83	20	118	49	495	438	8.2	3.9	118	330	444	31
23	68	19	106	47	446	442	8.2	6.2	81	316	364	27
24	57	19	96	47	438	412	7.1	3.9	58	282	299	27
25	50	27	87	49	454	368	7.1	4.2	53	221	240	24
26	46	30	84	47	427	323	15	4.2	103	175	198	22
27	42	26	1,080	48	378	277	13	4.2	148	165	218	68
28	38	25	1,110	46	354	237	16	4.5	129	111	154	248
29	36	26	1,200	44	-----	209	12	5.7	73	81	129	390
30	33	25	1,180	44	-----	186	-----	6.6	54	73	133	655
31	31	-----	1,050	72	-----	168	-----	4.9	-----	56	121	-----
TOTAL	3,232	1,317	14,495	6,138	11,351	10,919	1,156.7	141.4	2,774.8	3,818	10,524	4,702
MEAN	104	43.9	468	198	405	352	38.6	4.56	92.5	123	339	151
MAX	276	143	1,200	992	907	639	153	7.6	246	364	1,180	655
MIN	31	19	22	44	76	146	7.1	3.6	4.2	31	54	22
CFSM	.80	.34	3.60	1.52	3.12	2.71	.30	.04	.71	.95	2.61	1.21
IN.	.92	.38	4.15	1.76	3.25	3.12	.33	.04	.79	1.09	3.01	1.35
CAL YR 1964: TOTAL	163,416.3			MEAN 446		MAX 7,140	MIN 3.3	CFSM 3.43	IN 46.75			
WAT YR 1965: TOTAL	70,568.9			MEAN 193		MAX 1,200	MIN 3.6	CFSM 1.49	IN 20.19			

2-2310 St Marys River near Macclenny, Fla

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

Drainage area --700 sq mi (revised), approximately, includes part of watershed in Okfenokee Swamp which is indeterminate

Records available --October 1926 to September 1965

Gage --Water-stage recorder Datum of gage is 40 00 ft above mean sea level (levels by Mees and Mees) Prior to Feb 21, 1939, staff gage and Feb 21, 1939, to Aug 15, 1948, water-stage recorder, at site of former bridge 200 ft upstream at same datum

Average discharge --39 years, 670 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 28, 1961	5,770	14 92	June 14, 1961	39	1 27
1962	Apr 5, 1962	2,460	11 76	May 29, June 7, 1962	a 36	b 1 10
1963	Sept 30, 1963	8,070	16 39	May 20, 21, 1963	a 34	c 35
1964	Sept 13, 1964	26,000	d 23 25	June 27, 1964	e 37	1 47
1965	Dec 28, 1964	7,380	16 68	June 4, 8, 1965	35	1 52

a Minimum daily

b Occurred June 7, 1962\*

c Occurred June 17, 1963

d From floodmark

e Minimum observed

1926-65 Maximum discharge, 28,100 cfs Sept 25, 1947, maximum gage height, 23 25 ft Sept 13, 1964 (from floodmark), minimum discharge observed, 12 cfs May 22, 1932, minimum gage height observed, 0 04 ft June 4, 5, 1927

Remarks --Records good except those for period of shifting control, which are fair Records of chemical analyses and water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions (water years),--WSP 1082 1928(M), 1945(M) WSP 1142 1928, 1945 WSP 1434 1927

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,640	316	89	122	507	695	127	128	58	386	448	4,630
2	3,100	302	86	145	456	623	136	116	53	320	345	4,340
3	2,460	280	84	146	492	553	117	107	50	253	274	3,690
4	1,910	258	81	133	756	487	103	98	48	203	233	3,090
5	1,540	236	79	122	634	436	98	90	46	171	224	2,540
6	1,330	223	79	114	754	396	93	82	44	146	197	2,050
7	1,270	209	78	109	705	362	93	76	43	127	182	1,700
8	1,750	196	77	106	876	330	98	70	44	116	170	1,430
9	2,700	185	75	111	1,020	298	120	66	49	114	150	1,240
10	3,100	176	74	117	986	270	507	74	47	156	155	1,070
11	2,770	167	75	116	883	244	766	92	45	265	302	918
12	2,430	161	78	109	785	222	712	100	42	284	288	821
13	2,130	156	79	116	701	203	1,160	87	40	253	238	842
14	1,830	151	78	222	631	191	1,210	76	46	244	245	893
15	1,570	145	82	380	566	180	986	68	61	245	358	954
16	1,360	138	116	428	509	167	1,030	63	103	207	360	938
17	1,230	133	144	411	460	157	1,220	59	318	302	304	851
18	1,090	127	128	369	419	146	1,100	56	441	661	259	747
19	950	124	112	332	384	140	902	54	357	1,500	368	650
20	855	120	103	302	360	136	737	52	236	1,880	1,610	578
21	811	116	106	290	340	165	611	50	200	2,070	3,460	521
22	760	111	135	283	354	215	514	49	420	2,250	3,040	465
23	692	108	152	263	438	185	435	47	506	1,790	2,370	412
24	627	104	140	246	786	159	369	48	416	1,430	1,780	366
25	569	102	127	241	990	143	314	51	316	1,290	1,880	324
26	518	100	120	255	1,000	132	267	55	273	1,170	2,660	293
27	460	100	115	286	910	121	227	79	266	1,130	4,240	274
28	424	100	110	305	792	112	194	122	297	1,220	5,630	265
29	388	97	106	332	-----	105	169	105	387	1,130	5,150	266
30	357	94	103	462	-----	100	146	79	430	855	5,000	248
31	330	-----	108	538	-----	100	-----	65	-----	613	4,810	-----
TOTAL	45,011	4,837	3,119	7,511	18,694	7,773	14,561	2,364	5,682	22,781	46,750	37,406
MEAN	1,452	161	101	242	668	251	485	76.3	189	735	1,508	1,247
MAX	3,640	316	152	538	1,020	695	1,220	128	506	2,250	5,630	4,630
MIN	330	94	74	106	340	100	93	47	40	114	150	248
CFSM	2.07	.23	.14	.35	.95	.36	.69	.11	.27	1.06	2.15	1.78
IN.	2.39	.26	.17	.40	.99	.41	.77	.13	.30	1.21	2.48	1.99

CAL YR 1960: TOTAL 300,789 MEAN 822 MAX 7,700 MIN 49 CFSM 1.17 IN 15.98  
 WAT YR 1961: TOTAL 216,489 MEAN 593 MAX 5,630 MIN 40 CFSM .85 IN 11.50

Note --Shifting-control method used Oct 29 to Jan 15

2-2310 St Marys River near Macclenny, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	224	47	53	55	64	52	366	97	45	124	458	407
2	207	48	52	60	60	60	1,280	90	75	91	1,050	341
3	191	47	52	62	57	136	1,890	82	79	70	1,710	308
4	170	46	52	62	56	252	2,300	75	53	57	1,720	334
5	152	46	51	60	57	280	2,400	69	42	50	2,050	348
6	147	53	51	62	57	258	2,140	64	37	56	1,810	407
7	126	81	50	74	59	227	1,800	59	36	390	1,970	488
8	116	78	50	83	60	196	1,500	56	46	638	1,940	650
9	106	64	49	76	60	171	1,220	52	58	470	1,550	1,020
10	97	57	48	70	60	150	968	50	60	335	988	1,130
11	91	54	48	71	60	135	804	47	65	236	658	1,020
12	85	52	48	84	58	128	668	46	66	174	478	962
13	84	51	50	105	57	148	568	45	60	131	372	862
14	83	51	56	113	55	149	488	43	60	102	299	734
15	83	50	60	108	54	179	426	42	132	88	245	632
16	79	50	58	101	54	302	370	40	290	81	204	543
17	74	50	58	94	54	374	322	40	205	70	176	446
18	70	49	56	87	56	365	280	40	128	68	156	370
19	66	49	56	81	57	316	248	39	86	129	135	321
20	63	49	56	78	55	263	222	39	64	208	116	340
21	59	49	54	74	55	223	199	38	54	154	112	324
22	58	49	53	72	72	192	178	38	54	113	167	292
23	55	53	53	71	72	196	160	38	80	176	344	432
24	54	77	51	70	66	262	143	38	94	227	402	846
25	52	97	50	67	62	289	125	38	76	204	548	1,070
26	51	79	50	66	58	256	116	38	63	171	681	978
27	50	66	51	65	56	228	109	37	54	147	708	840
28	49	60	52	54	54	202	109	37	77	219	694	702
29	48	56	52	68	-----	178	113	36	174	266	676	597
30	48	54	52	69	-----	158	105	38	177	341	600	507
31	48	-----	52	68	-----	140	-----	39	-----	428	495	-----
TOTAL	2,876	1,717	1,624	2,342	1,645	6,465	21,641	1,530	2,590	6,014	23,506	18,251
MEAN	92.8	57.1	52.4	75.5	58.3	209	721	49.4	86.3	194	758	608
MAX	224	97	60	113	72	374	2,420	97	290	638	2,050	1,130
MIN	48	46	46	55	54	52	105	36	36	50	112	292
CFSM	.13	.08	.07	.11	.08	.10	1.03	.07	.12	.28	1.08	.87
IN.	.15	.09	.09	.12	.09	.34	1.15	.08	.14	.32	1.25	.97

CAL YR 1961 TOTAL 169,734 MEAN 465 MAX 5,630 MIN 40 CFSM .66 IN 9.02  
 MAY YR 1962 TOTAL 90,196 MEAN 247 MAX 2,420 MIN 36 CFSM .35 IN 4.79

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	440	70	99	136	720	1,860	261	47	40	784	338	754
2	390	69	178	124	672	1,910	236	48	38	808	270	1,570
3	350	64	174	113	694	2,090	216	48	36	870	256	1,420
4	316	63	144	108	1,690	2,070	195	46	36	1,230	240	1,100
5	294	64	123	104	2,710	1,970	179	45	41	1,280	223	836
6	269	62	114	105	3,040	1,700	171	43	45	886	199	636
7	242	58	116	126	2,950	1,580	174	43	45	640	183	510
8	214	56	117	197	2,890	1,450	191	42	45	541	162	426
9	197	54	113	204	2,680	1,280	179	40	44	546	172	345
10	195	53	111	188	2,320	1,190	156	39	48	546	202	277
11	178	55	111	172	2,010	1,160	140	38	48	488	180	231
12	159	55	107	214	1,850	1,070	128	38	43	414	162	191
13	143	50	103	1,260	1,830	950	116	37	46	356	168	159
14	130	62	101	2,060	1,740	882	106	38	53	310	190	131
15	120	61	96	2,150	1,640	1,030	96	38	45	269	544	110
16	110	58	96	2,010	1,460	1,390	89	37	38	244	902	95
17	100	55	94	1,870	1,280	1,420	83	36	38	245	764	85
18	93	55	92	1,740	1,090	1,290	77	36	82	299	620	78
19	85	54	91	1,600	1,040	1,10	72	35	121	378	527	70
20	79	54	89	1,440	1,280	972	67	34	91	370	446	65
21	74	54	86	1,320	1,350	864	64	34	71	294	407	60
22	73	56	84	1,240	1,210	764	60	38	67	296	492	60
23	69	65	82	1,140	1,020	667	58	48	99	419	590	110
24	64	66	79	976	954	594	56	44	228	590	685	110
25	60	64	78	872	1,680	532	54	39	372	602	808	90
26	58	60	78	784	2,080	475	52	37	752	643	930	80
27	56	58	70	752	2,110	430	50	36	1,580	560	888	80
28	54	56	144	854	1,980	389	48	41	1,450	463	758	140
29	53	56	158	902	-----	353	47	42	1,150	437	634	1,800
30	52	61	150	838	-----	320	46	38	888	370	536	6,980
31	58	-----	144	776	-----	289	-----	38	-----	377	488	-----
TOTAL	4,775	1,776	3,455	26,373	48,060	33,971	3,467	1,243	7,680	16,555	13,964	18,999
MEAN	154	57.2	111	851	1,550	1,096	116	40.1	256	534	450	620
MAX	440	70	178	2,150	3,040	2,090	261	48	1,580	1,280	930	6,980
MIN	52	54	78	104	672	289	46	34	36	244	162	60
CFSM	.22	.08	.16	1.22	2.45	1.57	.17	.06	.37	.76	.64	.89
IN.	.25	.09	.18	1.40	2.55	1.80	.18	.07	.41	.88	.74	.99

CAL YR 1962 TOTAL 93,990 MEAN 258 MAX 2,420 MIN 36 CFSM .37 IN 4.99  
 MAY YR 1963 TOTAL 179,918 MEAN 493 MAX 6,980 MIN 36 CFSM .70 IN 9.56

2-2310 St Marys River near Macclenny, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,820	92	109	164	1,290	7,430	335	1,380	101	58	2,830	3,800
2	9,500	90	100	204	1,190	6,770	310	1,970	94	70	3,910	3,300
3	4,580	87	92	196	1,080	5,920	286	10,800	87	110	3,490	2,810
4	3,700	84	88	180	965	5,060	269	16,200	80	170	3,000	2,310
5	2,910	88	86	167	896	4,240	252	14,900	75	226	2,730	1,800
6	2,360	140	82	161	1,200	3,480	240	11,900	78	186	2,630	1,460
7	1,940	173	80	186	1,560	2,870	228	9,680	162	138	2,450	1,200
8	1,620	151	78	431	1,840	2,340	215	7,670	200	106	2,350	942
9	1,400	130	77	1,540	2,280	1,870	209	6,100	146	86	2,260	775
10	1,160	124	76	2,260	2,340	1,570	208	4,790	114	75	1,900	2,240
11	921	129	75	2,370	2,110	1,380	195	3,650	96	68	1,620	8,010
12	754	132	74	2,620	1,840	1,190	180	2,760	84	75	1,460	13,400
13	629	130	98	3,990	1,660	1,000	166	2,140	76	105	1,320	23,600
14	530	120	259	4,470	1,530	874	156	1,600	67	132	1,520	24,200
15	452	113	303	4,140	1,420	780	147	1,280	61	131	1,920	20,500
16	400	108	293	3,730	1,340	712	140	978	56	117	1,800	17,000
17	356	103	263	3,380	1,260	659	133	759	52	117	1,540	13,200
18	311	99	240	3,700	1,240	600	125	620	51	323	1,310	10,400
19	270	95	223	4,400	1,600	545	116	512	48	425	1,140	8,220
20	234	92	208	4,380	1,940	522	110	430	46	425	1,230	6,570
21	205	88	194	3,930	1,840	527	103	363	42	366	1,480	5,340
22	184	86	183	3,330	1,630	494	96	312	42	389	2,000	4,170
23	166	84	174	2,970	1,520	448	92	268	42	487	2,670	3,270
24	155	84	175	2,630	1,420	409	86	234	40	454	2,620	2,650
25	147	86	182	2,320	1,310	382	82	207	38	433	2,750	2,180
26	138	85	176	2,020	1,230	378	81	187	38	811	2,670	1,740
27	129	84	165	1,760	1,320	481	85	177	37	1,770	2,600	1,480
28	119	81	157	1,640	3,910	501	300	152	43	2,910	2,650	1,330
29	110	86	150	1,600	7,280	440	1,290	133	50	3,570	3,480	1,160
30	102	105	145	1,530	-----	410	1,520	119	53	3,380	4,400	1,150
31	96	-----	145	1,410	-----	367	-----	110	-----	2,870	4,200	-----
TOTAL	38,398	3,149	4,750	67,509	52,041	54,658	7,755	102,381	2,199	20,583	74,130	190,207
MEAN	1,239	105	153	2,178	1,795	1,763	259	3,303	73.3	664	2,391	6,340
MAX	6,820	173	303	4,470	7,280	7,430	1,520	16,200	200	3,570	4,400	24,200
MIN	96	81	74	161	896	367	81	110	37	58	1,140	775
CFSM	1.77	.15	.22	3.11	2.56	2.52	.37	4.72	.10	.95	3.42	9.06
IN.	2.04	.17	.25	3.59	2.76	2.90	.41	5.44	.12	1.09	3.94	10.1
CAL YR 1963	TOTAL 216,209	MEAN 592	MAX 6,980	MIN 34	CFSM .85	IN 11.49						
WAT YR 1964	TOTAL 617,760	MEAN 1,688	MAX 24,200	MIN 37	CFSM 2.41	IN 32.82						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,130	242	225	5,330	411	1,270	735	194	38	1,520	652	729
2	980	383	209	4,540	394	1,380	687	167	36	1,430	1,080	633
3	848	478	208	3,820	441	2,140	621	150	36	1,270	1,180	566
4	811	430	778	3,160	471	2,810	562	138	36	992	912	659
5	761	382	1,860	2,620	442	3,280	515	178	40	779	715	751
6	711	345	2,860	2,170	414	3,370	479	117	39	789	801	769
7	663	312	3,150	1,760	447	3,040	441	109	36	1,140	1,360	807
8	610	285	2,860	1,510	687	2,620	402	102	36	1,070	1,590	827
9	540	267	2,540	1,310	793	2,240	366	94	38	938	1,740	830
10	480	252	2,210	1,120	765	1,880	334	88	45	900	2,250	815
11	440	238	1,860	965	721	1,610	305	82	140	860	2,130	769
12	400	225	1,590	841	675	1,430	279	77	244	769	1,790	701
13	360	213	1,400	757	650	1,270	256	75	155	825	1,670	605
14	410	205	1,300	685	791	1,160	232	73	135	900	1,880	524
15	571	196	1,220	631	1,570	1,070	210	70	190	832	2,580	455
16	749	189	1,110	584	2,330	968	192	64	258	858	3,530	396
17	797	184	965	542	2,350	852	182	60	380	985	4,210	358
18	733	177	870	500	2,240	771	167	57	808	1,080	3,680	376
19	642	168	830	465	2,310	890	152	54	1,340	1,190	3,200	452
20	564	164	777	436	2,320	1,400	144	52	1,360	1,480	2,800	389
21	498	177	711	411	2,100	2,040	164	49	1,150	2,000	2,400	330
22	446	184	663	386	1,790	2,300	177	47	915	2,440	2,030	285
23	404	173	625	366	1,560	2,110	167	45	733	2,160	1,740	252
24	370	165	585	355	1,500	1,780	154	43	600	1,540	1,530	227
25	341	187	546	358	1,570	1,600	146	42	533	1,140	1,300	220
26	316	262	515	355	1,640	1,420	157	40	804	843	1,050	209
27	300	268	2,220	340	1,580	1,240	213	40	2,160	737	1,030	244
28	280	244	6,670	324	1,420	1,070	264	40	2,280	663	1,010	602
29	267	237	7,180	306	-----	948	270	40	2,110	576	962	1,430
30	252	237	6,600	297	-----	845	232	38	1,780	594	875	1,960
31	238	-----	6,000	355	-----	773	-----	38	-----	625	819	-----
TOTAL	16,912	7,469	61,127	37,599	34,382	51,577	9,195	2,413	18,455	33,925	54,494	18,370
MEAN	546	249	1,972	1,213	1,228	1,664	307	77.8	615	1,094	1,758	612
MAX	1,130	478	7,180	5,330	2,350	3,370	735	194	2,280	2,440	4,410	1,960
MIN	238	164	208	297	394	771	144	38	36	576	652	209
CFSM	.78	.36	2.82	1.73	2.38	1.85	.41	.11	.88	1.56	2.51	.87
IN.	.90	.40	3.25	2.00	1.83	2.74	.49	.13	.98	1.80	2.90	.98
CAL YR 1964	TOTAL 656,971	MEAN 1,795	MAX 24,200	MIN 37	CFSM 2.56	IN 34.90						
WAT YR 1965	TOTAL 345,920	MEAN 948	MAX 7,180	MIN 36	CFSM 1.39	IN 18.38						

## ST MARYS RIVER BASIN

2-2312 5 Little St Marys River near Hilliard, Fla

Location --Lat 30°43'55", long 81°53'35", in SE¼ sec 27, T 4 N, R 24 E, on downstream side of bridge on State Highway 115A, 3 3 miles northeast of Hilliard, Nassau County, 5 9 miles southeast of Boulogne, and 9 8 miles upstream from Wilder Creek

Drainage area --20 8 sq mi

Records available --Annual maximums, water years 1961-65, January to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Oct 20, 1960, to Jan 26, 1965, crest-stage gage at same site at datum 8 56 ft higher

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*), water years 1961-65, and peak discharges above base (250 cfs), water year 1965											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Apr 16, 1961	-	* 762	a 14 58	June 26, 1963	-	* 363	a 13 68	Dec 6, 1964	-	* 714	a 14 49
Apr 1, 1962	-	* 768	a 14 59	Sept 13, 1964	-	* 2,150	a 15 96	Mar 3, 1965	0900	300	13 45
a Present datum								Sept 26, 1965	2300	424	13 84

1960-65 Maximum discharge, 2,150 cfs Sept 13, 1964 (gage height, 15 96 ft, present datum)  
 1965 Minimum discharge during period January to September, no flow May 4 to June 16,  
 minimum gage height, 9 25 ft June 8

Remarks --Records fair except those below 20 cfs, which are poor Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				30	12	26	15	1.1	0	13	70	14
2				25	14	88	15	.70	0	15	76	46
3				20	12	271	13	.30	0	18	54	94
4				17	9.9	194	11	0	0	13	31	77
5				15	8.4	159	10	0	0	8.1	21	62
6				14	8.1	101	9.9	0	0	5.1	20	42
7				13	19	60	8.1	0	0	2.9	25	27
8				12	42	41	6.0	0	0	2.6	28	18
9				11	45	31	4.6	0	0	3.3	38	14
10				10	33	26	3.3	0	0	9.4	50	11
11				10	24	22	2.9	0	0	32	53	8.4
12				9.0	18	19	2.2	0	0	39	37	6.4
13				8.0	15	18	1.9	0	0	105	22	4.8
14				8.0	49	21	1.3	0	0	105	14	4.4
15				8.0	154	24	.90	0	0	81	11	5.1
16				7.0	130	23	.70	0	0	77	79	5.3
17				7.0	75	19	.40	0	2.5	70	116	5.8
18				7.0	52	16	.30	0	31	85	63	12
19				6.0	51	28	.20	0	77	110	31	16
20				6.0	49	132	.40	0	56	66	17	14
21				6.0	38	207	.60	0	30	38	11	9.9
22				5.0	28	116	.80	0	14	22	16	7.0
23				5.0	23	63	.60	0	5.5	14	23	5.3
24				9.0	32	42	.40	0	2.7	7.8	16	4.6
25				14	66	31	.20	0	2.6	4.4	9.5	12
26				12	75	24	.20	0	18	3.0	5.5	16
27				9.9	53	20	.80	0	44	3.1	8.4	27
28				7.0	36	17	1.6	0	47	3.3	20	277
29				5.8	=====	15	1.6	0	34	3.7	19	357
30				5.5	=====	14	1.5	0	20	26	30	225
31				8.1	=====	14		0		63	24	
TOTAL				330.3	1,173.4	1,882	115.60	2.10	384.3	1,068.7	1,038.4	1,428.0
MEAN				10.7	41.9	60.7	3.85	.068	12.8	34.5	33.5	47.6
MAX				30	156	271	15	1.1	77	110	116	357
MIN				5.0	8.1	14	.20	0	2.6	3.1	5.5	4.4
CFSM				.51	2.01	2.92	.19	.003	.62	1.66	1.61	2.29
IN.				.59	2.10	3.36	.21	.004	.69	1.91	1.86	2.55

2-2312 8 Thomas Creek near Crawford, Fla

Location --Lat 30°27'39", long 81°49'57", in NW 1/4 sec 32, T 1 N, R 25 E, Duval County, on downstream side of bridge on Acree Road, 4 4 miles southeast of Crawford, Nassau County, 4 4 miles northwest of Dinsmore, 7 1 miles south of Callahan, and about 24 miles upstream from its mouth

Drainage area --29 8 sq mi

Records available --January to September 1965

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

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (200 cfs), January to September 1965											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 18, 1965	1600	245	17 37	July 7, 1965	2000	300	17 48	July 30, 1965	1200	265	17 41
Mar 20, 1965	1500	285	17 45	July 13, 1965	1600	360	17 60	Aug 2, 1965	0900	260	17 40
								Sept 28, 1965	1500	* 371	17 62

1965 Maximum discharge during period January to September, 371 cfs Sept 28 (gage height, 17 62 ft), minimum 1 40 cfs June 4 (gage height 14 72 ft)

Flood in September 1950 reached a stage of 23 3 ft, from floodmark pointed out by local resident

Remarks --Records good above 10 cfs and fair below Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				70	30	49	24	3.5	1.9	9.0	132	48
2				60	25	66	24	3.2	1.7	7.0	245	62
3				50	23	140	20	3.1	1.6	5.4	169	69
4				47	20	159	18	3.0	1.5	4.4	99	59
5				43	18	147	18	2.8	1.6	4.6	68	50
6				35	17	106	18	2.7	2.1	15	55	43
7				30	25	80	15	2.6	1.9	180	44	36
8				27	40	64	12	2.6	2.6	265	38	29
9				25	39	52	9.9	2.4	14	147	31	22
10				23	33	43	8.6	2.4	13	99	36	18
11				22	29	38	8.1	2.5	11	114	48	14
12				20	25	33	7.4	2.7	17	250	47	11
13				18	25	32	6.7	3.8	13	330	38	8.4
14				17	72	36	5.7	3.9	7.6	265	28	7.3
15				16	202	36	5.3	2.9	14	159	23	7.0
16				15	169	32	5.2	2.5	23	120	29	6.6
17				15	114	27	5.2	2.3	57	112	38	7.3
18				15	95	27	4.7	2.2	140	120	36	29
19				15	99	71	4.2	2.2	117	99	30	56
20				14	93	240	4.2	2.0	64	75	21	45
21				13	76	206	4.4	1.9	36	57	26	34
22				12	63	130	4.6	1.9	23	48	50	24
23				11	55	89	4.6	1.9	14	40	51	18
24				13	70	69	4.0	1.9	11	31	47	14
25				14	101	57	3.7	1.9	12	22	39	12
26				15	93	45	4.4	1.8	22	16	30	9.5
27				14	72	38	6.2	1.8	23	21	23	72
28				12	58	32	6.4	2.6	20	38	31	320
29				11	-----	28	5.2	2.8	16	70	34	325
30				11	-----	25	4.0	2.6	12	202	57	235
31				23	-----	22	-----	2.2	-----	147	51	-----
TOTAL				226	1,781	2,219	271.7	78.6	694.5	3,072.6	1,714	1,691.1
MEAN				73.4	63.6	71.5	9.06	2.54	23.2	99.1	55.3	56.4
MAX				70	202	240	24	3.9	140	330	245	325
MIN				11	17	22	3.7	1.8	1.5	4.4	21	6.6
CFSM				.79	2.13	2.40	.30	.09	.78	3.33	1.86	1.89
IN.				.91	2.22	2.77	.34	.10	.87	3.83	2.14	2.11

## 2-2316 Jane Green Creek near Deer Park, Fla

Location --Lat 28°04'27", long 80°53'18" in SE 1/4 sec 2, T 28 S, R 34 E, near right bank of left-most of five channels on downstream side of bridge on county road, 1 1/2 miles southeast of Deer Park, Osceola County, and 2 miles downstream from confluence of Crabgrass and Bull Creeks

Drainage area --248 sq mi

Records available --October 1953 to September 1965

Gage --Digital water-stage recorder Datum of gage is 18 55 ft above mean sea level, datum of 1929 Prior to May 19, 1965, graphic water-stage recorder at same site and datum

Average discharge --12 years, 311 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 10, 1960	5,000	7 80	Many days	0	a 2 00
1962	Sept 24, 1961	1,280	6 33	do	0	b 1 07
1963	Sept 26, 1963	1,850	6 56	do	0	c 1 90
1964	Aug 29, 1964	8,060	9 03	Apr 24, 1964	1 0	3 27
1965	Aug 13, 1965	1,020	5 75	Many days	0	d 1 81

a Occurred June 25, 26, 1961  
b Occurred June 5, 1962  
c Occurred May 23, 1963  
d Occurred June 4, 1965

1953-65 Maximum discharge, 18,400 cfs Oct 17, 1956 (gage height, 10 95 ft), from rating curve extended above 11,000 cfs, no flow for many days in some years, creek dry at gage June 4, 5, 8-10, 12-20, 1956

Remarks --Records fair prior to Oct 1, 1964, poor thereafter Records of chemical analyses for the water years 1963-65 and of water temperatures for the water years 1962-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,490	142	23	12	50	14	14	2.9	0	54	16	292
2	1,420	134	20	11	46	11	8.5	3.8	0	84	11	267
3	1,170	134	18	10	45	8.5	5.3	3.2	0	100	12	229
4	972	142	17	9.5	43	7.3	3.2	3.5	0	113	12	187
5	816	145	15	8.0	40	5.3	2.0	2.9	0	117	12	152
6	704	145	14	7.0	39	4.2	1.4	2.2	0	212	12	133
7	654	131	13	6.3	49	3.2	1.8	2.0	0	292	11	116
8	1,110	114	12	6.3	64	2.4	1.5	2.0	0	274	8.5	102
9	2,500	102	12	7.5	67	1.5	3.6	2.4	0	221	6.3	91
10	2,960	90	10	9.5	77	.90	6.8	4.2	0	170	4.5	82
11	2,680	81	9.5	9.5	90	.60	9.2	4.5	0	155	2.9	72
12	2,220	73	10	11	102	.40	38	4.5	0	142	3.8	64
13	1,720	65	10	34	100	.90	80	4.2	0	132	3.2	55
14	1,370	60	9.5	98	94	3.2	109	3.8	0	130	2.6	55
15	1,130	58	10	244	87	4.2	122	3.5	0	126	4.0	67
16	989	58	11	355	80	3.8	130	2.9	0	107	4.2	76
17	886	56	11	375	74	3.2	122	2.0	0	89	4.5	239
18	781	54	11	345	66	6.1	105	1.5	0	74	4.9	476
19	672	54	11	293	60	23	91	1.0	0	66	5.3	466
20	582	53	11	244	56	38	77	.60	0	75	5.8	425
21	515	52	12	203	50	51	66	.30	0	79	7.9	381
22	450	48	12	172	46	66	54	.10	0	119	9.2	372
23	400	44	12	145	41	74	46	0	0	161	11	344
24	350	42	12	124	36	75	36	0	0	153	10	296
25	306	37	13	110	32	69	27	0	0	130	8.5	248
26	265	34	13	98	26	60	20	0	0	105	11	200
27	231	33	13	85	23	51	14	0	0	84	17	161
28	203	30	13	77	18	43	8.5	0	0	66	26	120
29	175	28	13	69	-----	34	5.8	.10	0	49	65	109
30	153	26	13	62	-----	26	3.8	.10	9.2	36	174	89
31	138	-----	12	56	-----	19	-----	.10	-----	26	275	-----
TOTAL	30,212	2,265	396.0	3,296.6	1,601	709.70	1,212.4	58.30	9.2	3,741	761.1	5,966
MEAN	975	75.5	12.8	106	57.2	22.9	40.4	1.88	.31	121	24.6	199
MAX	2,960	145	24	375	102	75	130	4.5	9.2	292	275	476
MIN	138	26	9.5	6.3	18	.40	1.4	0	0	26	2.6	55
CFSM	3.93	.30	.05	.43	.23	.09	.16	.008	.001	.49	.10	.80
IN.	4.53	.34	.06	.49	.24	.11	.18	.009	.001	.56	.11	.89

CAL YR 1960\* TOTAL 256,285.9 MEAN 700 MAX 10,100 MIN 2.4 CFSM 2.82 IN 38.43  
WAT YR 1961: TOTAL 50,228.30 MEAN 138 MAX 2,960 MIN 0 CFSM .55 IN 7.53

2-2316 Jane Green Creek near Deer Park, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	74	12	4.0	1.3	5.0	1.2	7.3	.70	0	207	65	774
2	62	13	3.4	1.7	5.0	1.0	10	.30	0	236	74	678
3	52	13	3.1	2.2	4.6	.90	9.0	.20	0	236	109	612
4	41	13	2.8	2.8	4.3	.70	7.3	0	0	225	180	570
5	33	18	2.8	3.4	4.0	.60	6.8	0	0	187	271	526
6	26	22	2.6	4.0	3.6	.40	6.2	0	0	147	292	471
7	21	23	2.4	5.0	3.4	.30	6.8	0	0	111	317	576
8	15	23	2.2	5.3	3.1	.20	8.0	0	0	85	582	725
9	12	23	2.2	5.3	3.1	.20	8.0	0	0	74	654	823
10	9.2	23	2.2	5.6	4.6	.10	8.0	0	0	60	612	760
11	9.2	23	2.2	6.4	4.6	.10	9.0	0	0	58	504	636
12	13	22	1.8	6.8	4.6	0	4.8	0	0	60	445	554
13	13	21	1.7	6.8	4.3	0	96	0	0	67	396	510
14	16	19	1.4	6.8	4.3	0	100	0	0	76	340	526
15	23	17	1.4	7.6	4.3	0	89	0	0	85	283	548
16	30	15	1.6	7.6	4.6	.10	71	0	0	98	248	493
17	34	13	1.6	7.6	5.0	.10	56	0	0	116	240	435
18	36	11	1.4	7.6	5.0	.10	42	0	0	116	445	391
19	36	10	1.3	7.6	4.6	0	30	0	0	104	980	396
20	34	9.2	1.2	7.6	4.3	0	20	0	0	95	1,110	445
21	30	8.8	1.1	7.6	4.0	0	13	0	0	85	858	548
22	25	7.6	1.1	7.2	3.6	0	8.0	0	0	72	660	718
23	21	7.2	1.1	7.2	3.4	1.4	5.0	0	0	60	570	1,010
24	18	7.2	1.0	7.2	2.8	1.9	4.0	0	.50	49	515	1,260
25	16	6.4	1.0	6.8	2.4	3.1	2.9	0	6.2	41	554	1,200
26	13	6.0	.90	6.8	2.0	5.4	2.3	0	28	33	630	1,010
27	11	5.6	.80	6.4	1.7	6.2	2.3	0	57	30	732	837
28	9.7	5.3	.80	6.4	1.4	6.8	1.9	0	80	27	924	690
29	9.2	5.0	.70	6.0	-----	6.2	1.5	0	106	28	948	576
30	11	4.6	.80	5.3	-----	6.8	1.1	0	155	42	948	488
31	11	.80	.50	5.0	-----	7.3	-----	0	-----	64	879	-----
TOTAL	764.3	406.9	53.40	180.9	107.6	51.10	680.4	1.20	432.70	2,974	16,365	19,786
MEAN	24.7	13.6	1.72	5.84	3.84	1.65	22.7	.039	14.4	95.9	528	660
MAX	74	23	4.0	7.6	5.0	7.3	100	.70	155	236	1,110	1,260
MIN	9.2	4.6	.70	1.3	1.4	0	1.1	0	0	27	65	391
CFSM	.10	.05	.007	.02	.02	.007	.09	.0001	.06	.39	2.13	2.66
IN.	.11	.06	.008	.03	.02	.008	.10	.0001	.06	.45	2.45	2.97

CAL YR 1961 TOTAL 18,579.90 MEAN 50.9 MAX 476 MIN 0 CFSM .21 IN 2.79  
WAT YR 1962. TOTAL 41,803.50 MEAN 115 MAX 1,260 MIN 0 CFSM .46 IN 6.27

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	415	9.6	34	14	46	1,080	56	0	16	32	65	146
2	358	8.3	32	14	46	1,030	50	0	36	44	62	123
3	304	7.6	29	14	48	938	43	0	36	66	59	109
4	263	7.6	26	13	58	875	38	0	33	81	56	102
5	229	6.7	25	13	64	857	33	0	33	109	54	98
6	193	6.0	23	12	64	766	27	0	36	139	56	100
7	170	5.3	22	12	67	656	24	0	38	141	56	93
8	152	7.1	20	12	73	558	19	0	38	139	54	111
9	144	23	20	10	75	488	14	0	36	144	47	129
10	136	32	18	9.6	75	509	11	0	32	149	41	125
11	128	43	17	8.9	71	586	8.6	0	26	137	34	113
12	123	62	16	8.9	181	686	6.0	0	22	129	30	102
13	111	91	14	8.3	460	670	4.2	0	17	139	24	93
14	104	106	13	10	766	593	2.4	0	14	166	18	86
15	93	111	13	12	857	516	1.3	0	12	154	14	81
16	87	109	13	13	830	460	.60	0	12	141	9.3	79
17	77	104	13	16	766	424	.30	0	17	146	18	87
18	69	100	13	18	670	376	.20	0	18	146	52	94
19	60	93	13	20	635	325	.20	0	14	139	72	113
20	53	87	13	22	628	274	.10	0	12	151	76	287
21	46	81	13	26	621	231	0	0	14	171	93	642
22	42	73	13	29	600	193	0	0	12	174	151	1,140
23	36	67	12	30	544	166	0	0	12	180	301	1,240
24	33	60	12	30	481	141	0	0	11	168	649	1,290
25	28	55	13	30	412	123	0	0	9.3	149	758	1,510
26	24	50	13	37	418	111	0	0	10	127	635	1,800
27	20	45	12	45	572	98	0	0	17	113	488	1,760
28	16	42	12	50	884	86	0	0	25	102	364	1,470
29	13	37	13	50	-----	76	0	.10	28	91	274	1,200
30	12	36	13	50	-----	70	0	3.9	31	83	224	965
31	10	-----	14	50	-----	63	-----	8.0	-----	73	177	-----
TOTAL	3,544	1,565.2	527	687.7	11,012	14,025	338.90	12.00	667.3	3,923	5,011.3	15,288
MEAN	114	52.2	17.0	22.2	393	452	11.3	.39	22.2	127	162	510
MAX	415	111	34	50	884	1,080	56	8.0	38	180	758	1,800
MIN	10	5.3	12	8.3	46	63	0	0	9.3	32	9.3	79
CFSM	.46	.21	.07	.09	1.59	1.82	.05	.002	.09	.51	.65	2.05
IN.	.53	.23	.08	.10	1.65	2.10	.05	.002	.10	.59	.75	2.29

CAL YR 1962 TOTAL 46,220.10 MEAN 127 MAX 1,260 MIN 0 CFSM .51 IN 6.93  
WAT YR 1963. TOTAL 56,606.40 MEAN 155 MAX 1,800 MIN 0 CFSM .63 IN 8.49



## 2-2316 Jane Green Creek near Deer Park, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	766	21	710	285	316	310	43	5-1	20	23	122	3,630
2	662	18	550	275	295	300	47	9-3	16	33	131	2,780
3	630	16	444	280	285	295	49	35	13	34	128	2,170
4	654	14	372	290	305	290	49	96	13	31	125	1,780
5	614	16	305	285	402	275	47	159	11	28	170	1,620
6	529	17	255	270	734	250	46	202	11	28	250	1,530
7	438	16	219	280	1,210	224	46	224	18	26	310	1,340
8	372	16	182	295	1,400	202	44	224	29	24	349	1,120
9	305	28	159	354	1,330	182	41	194	36	21	360	961
10	265	170	138	420	1,220	163	37	159	37	19	310	1,000
11	237	990	118	450	1,050	145	30	125	36	18	295	1,860
12	219	1,450	103	529	898	128	23	98	34	18	322	2,740
13	190	1,330	93	742	774	112	18	90	31	16	450	2,630
14	163	1,140	83	1,010	670	98	13	145	29	12	582	2,340
15	145	980	78	1,060	574	88	9-3	202	27	9-3	622	2,330
16	131	835	72	1,060	508	78	6-8	462	26	7-2	590	2,280
17	122	694	74	943	450	74	5-1	566	25	8-0	622	1,930
18	109	566	78	766	420	68	3-8	529	25	11	590	1,580
19	98	468	63	638	420	59	2-8	444	25	8-8	690	1,310
20	88	390	90	558	456	54	2-1	366	26	7-2	907	1,090
21	80	322	98	515	529	49	1-7	295	36	5-4	1,540	925
22	74	275	103	487	536	46	1-4	242	47	5-4	2,060	782
23	65	232	106	468	501	40	1-2	194	44	8-0	1,920	662
24	57	202	134	450	462	35	1-1	152	40	7-6	2,060	550
25	52	194	190	432	426	31	1-8	122	34	8-8	1,960	462
26	46	906	280	414	384	28	2-5	93	24	13	1,610	390
27	40	2,340	327	396	354	26	3-0	72	18	14	1,480	327
28	36	1,790	344	372	338	27	3-8	54	15	17	4,970	275
29	31	1,240	327	354	316	37	4-2	43	15	22	7,780	228
30	27	907	305	338	-----	39	4-5	33	18	41	6,300	194
31	24	-----	285	327	-----	40	-----	26	-----	83	4,880	-----
TOTAL	7,269	17,583	6,705	15,343	17,563	3,791	588-1	5,660-4	779	607-7	44,385	42,816
MEAN	234	566	216	495	606	122	19-6	183	26-0	19-6	1,432	1,427
MAX	766	2,340	710	1,060	1,400	310	49	566	47	83	7,780	3,630
MIN	24	14	72	270	285	26	1-1	5-1	11	5-4	122	194
CFSM	.95	2-36	.87	2-00	2-44	.49	.08	.74	.10	.08	5-77	5-75
IN.	1-09	2-64	1-01	2-30	2-83	.57	.09	.85	.12	.09	6-66	6-42
CAL YR 1963: TOTAL	82,522-20			MEAN 226								
WAT YR 1964: TOTAL	163,090-2			MEAN 446								
				MAX 2,340								
				MIN 0								
				MAX 7,780								
				MIN 1-1								
				CFSM .91								
				IN 12-38								
				MAX 7,780								
				MIN 0								
				MAX 7,780								
				MIN 0								
				CFSM 1-80								
				IN 24-46								

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	174	98	43	31	30	384	131	4-8	0	.90	219	166
2	163	90	35	29	31	358	138	4-1	0	.80	190	198
3	159	83	36	27	33	300	128	3-5	0	.50	163	210
4	141	76	37	28	30	265	109	2-7	0	.40	141	202
5	122	70	46	27	30	228	88	2-1	0	.40	141	186
6	106	63	128	25	34	202	72	1-5	0	.40	125	170
7	96	57	265	24	44	182	55	1-1	0	.30	214	163
8	90	51	322	24	54	166	46	.80	0	.30	310	145
9	88	47	332	24	65	152	36	.50	0	.50	310	131
10	80	43	349	23	78	134	28	.30	0	.50	349	112
11	78	39	344	22	93	122	24	.20	0	1-2	630	96
12	125	36	316	21	98	103	20	.10	0	1-7	925	83
13	290	33	275	20	100	90	16	0	0	1-8	980	72
14	508	31	242	20	96	93	13	0	0	2-4	844	61
15	686	29	210	39	86	83	10	0	0	5-9	718	51
16	742	26	178	47	74	74	9-0	0	0	16	590	51
17	694	23	156	80	65	65	8-5	0	0	31	474	59
18	638	21	138	93	57	59	6-2	0	.20	49	384	59
19	558	18	115	100	51	52	4-5	0	.20	86	305	59
20	480	16	103	98	44	47	3-7	0	.10	145	270	61
21	414	21	90	93	41	41	3-1	0	0	214	250	76
22	349	20	80	88	40	36	2-6	0	0	246	194	118
23	300	21	70	80	33	30	2-0	0	0	300	152	148
24	255	39	61	74	76	30	1-8	0	.50	384	125	159
25	224	35	54	65	152	26	1-4	0	2-0	384	112	159
26	198	30	47	59	270	24	1-5	0	2-4	332	112	152
27	174	26	46	57	217	21	3-3	0	2-3	270	115	156
28	152	24	41	47	396	30	4-3	0	1-8	219	118	182
29	141	29	39	41	-----	51	5-6	0	1-4	202	141	242
30	122	31	36	37	-----	76	5-2	0	1-1	224	148	327
31	106	-----	33	34	-----	109	-----	0	-----	232	156	-----
TOTAL	8,453	1,226	4,257	1,474	2,579	3,616	976-6	21-70	12-00	3,352-00	9,905	4,054
MEAN	273	40-9	137	47-5	81-5	117	30-8	7-0	4-0	108	302	125
MAX	742	98	349	100	396	384	138	4-8	2-4	384	980	327
MIN	78	16	33	20	30	21	1-4	0	0	.30	112	51
CFSM	1-10	.16	.55	.19	.37	.47	.13	.003	.002	.44	1-29	.54
IN.	1-27	.18	.64	.22	.39	.54	.15	.003	.002	.50	1-49	.61
CAL YR 1964: TOTAL	145,449-2			MEAN 397								
WAT YR 1965: TOTAL	39,926-30			MEAN 109								
				MAX 7,780								
				MIN 0								
				MAX 980								
				MIN 0								
				CFSM 1-60								
				IN 21-81								
				MAX 7,780								
				MIN 0								
				MAX 980								
				MIN 0								
				CFSM 1-44								
				IN 5-99								

2-2320 St Johns River near Melbourne, Fla

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

Drainage area --968 sq mi (revised)

Records available --October 1939 to September 1965 Monthly discharge only for October 1939, published in WSP 1304

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

Average discharge --26 years, 762 cfs

Extremes --Maximum daily and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 20, 22, 1961	a 522	b 9.63	June 24, 1961	c 44	-
1962	Sept 27, 1962	2,540	d 6.18	Jan 17, 1962	e -68	f -0.65
1963	Sept 28, 1963	g 1,640	h 6.17	May 20-22, 1963	c 33	k 1.25
1964	Sept 1, 1964	6,160	j 7.33	July 21, 1964	c 40	k 1.85
1965	Aug 17, 1965	m 807	n 5.84	June 2, 4, 1965	c 39	p 1.10

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 6,570 cfs Oct 1, 1960, occurred on recession following crest of Sept. 26, 1960  
b Occurred Oct 1, 1960 c Minimum daily d Occurred Sept 30, 1962  
e Maximum reverse flow measured (affected by wind) f Occurred June 2, 8, 9, 1962 (minimum observed)  
g Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 2,270 cfs Oct 1, 1962, occurred on recession following crest of Sept 27, 1962  
h Occurred Oct 1, 1962 i Occurred May 21, 1963 j Occurred Sept 3, 1964  
k Occurred July 21, 22, 1964 (minimum observed)  
m Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 1,800 cfs Oct 1, 1964, occurred on recession following crest of Sept 17, 1964  
n Occurred Oct 1, 1964 p Occurred June 4, 1965 (minimum observed)

1939-65 Maximum daily discharge, 18,000 cfs Oct 18, 1956, maximum gage height, 9.66 ft Sept 30, 1960, maximum reverse flow measured, 109 cfs Sept 18, 1950, wind effect, minimum gage height observed, -0.65 ft June 2, 8, 9, 1962, wind effect

Remarks --Records poor Records of chemical analyses for the water years 1962, 1965 are published in Reports of the Geological Survey

Revisions (water years) --WSP 1504 1945-54

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,570	3,520	1,100	199	408	177	172	100	69	79	170	98
2	5,830	3,160	1,090	196	395	182	151	100	66	81	157	97
3	5,540	3,060	952	183	374	167	162	98	67	82	158	96
4	5,290	2,920	949	185	439	168	156	93	64	109	154	108
5	5,100	2,850	881	167	367	165	138	81	65	107	150	115
6	5,170	2,720	867	164	337	163	148	85	62	115	148	121
7	5,530	2,670	829	155	358	161	139	86	61	124	142	120
8	6,450	2,500	756	159	417	158	137	85	61	132	134	125
9	5,780	2,530	756	168	372	155	152	87	60	182	133	122
10	6,170	2,390	688	158	340	147	192	94	60	208	125	119
11	6,230	2,370	644	149	327	132	185	93	58	307	117	117
12	5,930	2,290	650	150	292	140	223	89	58	298	128	117
13	5,860	2,160	629	246	287	149	175	89	58	274	135	110
14	5,510	2,220	541	396	270	169	159	90	56	263	122	104
15	5,180	2,060	486	373	252	157	154	89	56	255	111	108
16	5,210	2,080	528	387	253	158	178	89	54	242	106	111
17	4,800	1,960	478	384	244	149	169	89	52	237	118	233
18	4,700	1,810	449	424	231	166	150	89	49	243	125	236
19	4,700	1,890	406	454	235	221	155	89	48	259	96	166
20	4,490	1,690	367	522	231	218	148	89	49	267	101	168
21	4,570	1,670	354	513	223	224	141	87	48	244	106	173
22	4,250	1,580	358	522	210	214	131	88	47	243	106	182
23	4,080	1,530	314	512	215	221	132	86	45	227	100	197
24	4,010	1,530	301	512	205	193	128	84	44	219	98	196
25	3,900	1,390	282	512	190	196	123	81	45	215	102	193
26	3,780	1,370	252	478	199	201	119	72	47	207	93	194
27	3,010	1,280	246	485	177	195	115	74	59	206	95	192
28	3,000	1,220	241	485	178	194	118	72	79	198	95	191
29	3,460	1,210	228	468	-----	181	110	71	78	188	97	178
30	3,350	1,210	217	461	-----	177	111	72	76	183	98	188
31	3,300	-----	203	409	-----	194	-----	69	-----	178	100	-----
TOTAL	151,950	62,840	17,042	10,576	8,021	5,492	4,471	2,660	1,741	6,172	3,720	4,475
MEAN	4,902	2,095	550	341	286	177	149	85.8	58.0	199	120	149
MAX	6,570	3,520	1,100	522	439	224	223	100	79	307	170	236
MIN	3,300	1,210	203	169	177	132	110	69	44	79	93	96
CFSM	5.06	2.16	.57	.35	.30	.18	.15	.09	.06	.21	.12	.15
IN.	5.84	2.41	.65	.41	.31	.21	.17	.10	.07	.24	.14	.17
CAL YR 1960	TOTAL 703,043	MEAN 1,921	MAX 8,720	MIN 131	CFSM 1.78	IN 12.93						
CAL YR 1961	TOTAL 279,160	MEAN 763	MAX 6,570	MIN 44	CFSM 1.78	IN 12.93						

## 2-2320 St Johns River near Melbourne, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	166							2.0			202	1,400
2	159							.50			223	1,390
3	153		35	5.0	7.5		8.0				221	1,440
4	161										238	1,460
5	144	35								25	325	1,420
6	114										396	1,380
7	126										367	1,430
8	109		30	6.5	6.0		10				372	1,530
9	113										369	1,460
10	107									39	403	1,470
11	112					0					37	415
12	109										45	481
13	97		25	10	6.5		15		0		57	474
14	92										49	470
15	96										49	479
16	94										49	500
17	74							0			49	556
18	76										57	697
19	59		20	15	5.0		20				81	868
20	68	30									140	924
21	47										145	1,070
22	59										151	1,170
23	51										137	1,160
24	48		15		1.0	1.0	15				127	1,110
25	45			10							127	1,190
26	39										127	1,170
27	40				0						141	1,470
28	40		9.0		0		6.5		9.5		146	1,130
29	40					4.5					135	1,140
30	40										149	1,210
31	40										183	1,310
TOTAL	2,718	950	679.0	292.5	131.0	32.0	372.5	2.50	47.5	2,445	21,750	54,350
MEAN	87.7	31.7	21.9	9.44	4.68	1.03	12.4	.081	1.58	78.9	702	1,812
MAX	166	-	-	-	-	-	-	2.0	-	183	1,310	2,540
MIN	39	-	-	-	0	-	-	-	-	-	202	1,380
CFSM	.09	.03	.02	.01	.005	.001	.01	0	.002	.08	1.72	1.81
IN.	.10	.04	.03	.01	.005	.001	.01	0	.002	.09	.84	2.09
CAL YR 1961	TOTAL 51,675.0			MEAN 142		MAX 522	MIN 9.0	CFSM .15	IN 1.99			
WAT YR 1962:	TOTAL 83,770.00			MEAN 230		MAX 2,540	MIN -	CFSM .24	IN 3.22			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,270	794	381	181	143	1,060	328	94	65	179	146	297
2	2,210	728	394	179	135	1,150	306	82	75	174	148	264
3	2,110	694	348	182	139	1,270	278	83	65	168	146	255
4	2,070	690	329	179	168	1,320	254	78	61	170	134	231
5	2,010	642	322	168	153	1,360	247	69	69	169	126	213
6	1,960	630	327	167	143	1,290	222	73	75	168	126	217
7	1,900	568	293	178	147	1,280	220	72	73	168	120	201
8	1,850	596	279	164	145	1,240	216	64	74	170	113	196
9	1,790	877	290	161	146	1,230	196	60	82	176	113	181
10	1,780	743	271	155	141	1,460	196	50	86	168	109	172
11	1,700	728	247	158	130	1,250	185	45	88	168	104	163
12	1,580	712	262	158	272	1,260	179	43	92	204	103	168
13	1,620	743	252	150	327	1,310	178	44	93	203	99	157
14	1,570	728	228	170	308	1,230	169	44	86	195	97	147
15	1,470	689	227	160	297	1,270	157	41	95	205	93	152
16	1,440	671	227	159	336	1,160	155	37	99	214	87	147
17	1,450	654	223	146	458	1,120	144	34	106	213	102	172
18	1,390	636	216	148	520	1,090	145	35	103	207	113	146
19	1,290	619	217	146	647	1,020	140	34	109	209	119	158
20	1,230	601	211	138	776	987	133	33	113	192	126	300
21	1,420	584	203	164	731	926	132	33	112	190	162	267
22	1,190	602	204	149	769	850	124	33	112	194	198	312
23	1,220	587	204	137	743	776	122	35	110	197	177	442
24	1,130	558	202	167	712	728	120	42	114	186	188	1,050
25	1,070	540	205	126	703	671	105	56	122	188	189	1,490
26	1,040	577	204	145	910	615	114	59	124	178	208	1,460
27	995	498	203	158	1,150	544	105	53	152	171	258	1,550
28	938	464	202	158	1,000	526	97	51	220	167	307	1,640
29	903	448	188	136	-----	485	97	51	218	160	374	1,600
30	844	407	208	141	-----	456	94	58	185	152	363	1,570
31	828	-----	181	145	-----	409	-----	61	-----	151	332	-----
TOTAL	46,078	19,008	7,750	4,873	12,249	31,343	5,158	1,647	3,178	5,644	5,080	15,318
MEAN	1,486	634	250	157	437	1,011	172	53.1	106	182	164	511
MAX	2,270	877	394	182	1,150	1,460	328	94	220	214	374	1,640
MIN	828	407	181	126	130	409	94	33	61	151	87	146
CFSM	1.54	.65	.26	.16	.45	1.04	.18	.05	.11	.19	.17	.53
IN.	1.77	.73	.30	.19	.47	1.20	.20	.06	.12	.22	.20	.59
CAL YR 1962:	TOTAL 152,259.00			MEAN 417		MAX 2,540	MIN 0	CFSM .43	IN 5.85			
WAT YR 1963:	TOTAL 157,326			MEAN 431		MAX 2,270	MIN 33	CFSM .45	IN 6.04			

2-2320 St Johns River near Melbourne, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,520	330	1,760	625	874	1,010	170	107	150	71	59	6,160
2	1,630	337	1,660	568	845	949	162	119	156	70	54	5,950
3	1,490	295	1,540	558	816	921	158	111	160	67	46	5,030
4	1,390	266	1,500	549	952	864	160	125	203	63	52	4,660
5	1,330	273	1,450	541	1,040	846	150	104	183	64	50	4,300
6	1,310	308	1,340	496	1,200	790	144	103	176	59	53	3,870
7	1,320	276	1,480	552	1,120	744	144	106	174	60	55	3,530
8	1,370	262	1,220	592	1,430	661	135	106	158	58	53	3,630
9	1,310	244	1,190	602	1,470	642	149	105	150	57	61	3,480
10	1,270	451	1,080	666	1,680	595	126	104	145	55	163	3,910
11	1,250	594	1,030	606	1,710	588	126	105	146	56	235	3,910
12	1,160	612	963	831	1,600	940	122	103	132	55	336	3,420
13	1,090	640	881	948	1,610	476	117	111	132	53	386	3,960
14	1,060	782	828	957	1,560	423	117	138	124	49	379	3,940
15	1,070	1,030	854	994	1,530	371	119	139	118	46	409	4,740
16	1,040	1,110	781	1,050	1,480	359	110	138	112	46	492	5,210
17	1,010	1,130	752	1,200	1,350	339	102	139	107	45	505	4,570
18	930	1,120	739	1,250	1,380	300	101	145	98	46	578	4,290
19	931	1,060	670	1,170	1,440	260	102	150	98	46	625	3,950
20	874	1,040	585	1,170	1,290	236	97	167	91	46	654	3,550
21	837	979	575	1,150	1,270	237	98	176	89	40	896	3,330
22	799	950	525	1,130	1,270	223	96	170	77	42	794	2,980
23	761	893	515	1,090	1,240	199	94	173	75	66	945	2,750
24	724	855	674	1,070	1,180	191	93	174	78	53	1,280	2,540
25	653	1,020	587	1,050	1,120	183	92	169	84	50	1,340	2,360
26	630	1,580	541	1,110	1,120	179	89	166	74	65	1,330	2,190
27	578	1,510	530	987	1,090	184	87	162	77	60	1,760	2,130
28	554	1,640	531	1,030	1,090	197	87	154	77	62	3,040	1,980
29	489	2,260	521	989	1,100	215	85	156	73	60	2,840	1,900
30	445	1,960	526	921	-----	187	88	154	74	60	4,800	1,800
31	383	-----	562	884	-----	171	-----	152	-----	57	5,770	-----
TOTAL	31,188	25,807	28,190	27,336	36,917	14,120	3,520	4,231	3,591	1,727	30,040	110,020
MEAN	1,006	860	909	882	1,273	455	117	136	120	55.7	969	3,667
MAX	1,630	2,660	1,760	1,610	1,710	1,010	170	203	203	71	5,770	6,160
MIN	874	244	515	496	816	171	85	103	73	40	46	1,800
CFSM	1.04	.89	.94	.91	1.32	.47	.12	.14	.12	.06	1.00	3.79
IN.	1.20	.99	1.08	1.05	1.42	.54	.14	.16	.14	.07	1.15	4.23
CAL YR 1963	TOTAL 1,9675	MEAN 465	MAX 2,260	MIN 33	CFSM .48	IN 6.52						
WAT YR 1964	TOTAL 316,687	MEAN 865	MAX 6,160	MIN 40	CFSM .89	IN 12.17						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,800	586	183	135	97	140	207	86	46	173	306	204
2	1,690	517	154	127	116	160	180	85	39	170	299	210
3	1,690	513	162	135	127	207	168	88	43	168	302	206
4	1,590	475	162	135	111	206	173	84	39	163	300	191
5	1,440	444	178	124	107	216	169	87	50	165	299	188
6	1,430	413	175	130	110	220	162	85	44	171	296	200
7	1,340	394	164	129	123	214	156	84	46	165	283	225
8	1,240	362	162	118	127	214	151	81	52	171	285	157
9	1,190	335	156	124	118	195	145	80	54	197	282	138
10	1,090	333	149	120	113	198	136	77	47	202	311	155
11	1,060	301	149	124	112	200	133	79	82	206	332	152
12	1,240	288	162	118	103	180	119	70	68	229	355	139
13	1,290	268	165	117	105	200	109	74	66	218	392	139
14	1,120	254	175	123	93	196	95	72	76	229	527	126
15	1,170	245	184	127	116	187	111	65	107	253	699	122
16	1,040	242	153	121	87	184	102	64	89	261	756	125
17	1,020	235	161	122	90	167	91	66	91	250	807	144
18	990	216	175	110	99	178	82	62	150	258	740	149
19	1,010	192	171	116	91	170	80	56	149	263	718	144
20	970	184	153	110	86	169	80	54	127	269	740	140
21	947	200	160	118	91	192	85	60	143	275	632	140
22	876	189	162	108	92	141	56	56	152	275	524	138
23	881	168	145	104	115	145	91	58	183	278	470	133
24	833	169	147	86	142	151	88	63	149	282	395	129
25	787	162	140	78	160	136	84	57	161	285	367	134
26	789	181	143	63	162	133	91	48	190	279	362	134
27	743	166	145	63	151	142	88	50	183	294	346	148
28	698	165	150	56	142	265	88	44	178	285	263	166
29	670	214	141	70	-----	275	103	48	175	285	237	152
30	638	183	139	89	-----	242	86	48	168	311	216	169
31	615	-----	138	113	-----	226	-----	46	-----	321	201	-----
TOTAL	33,893	8,594	4,903	3,414	3,186	5,849	3,544	2,077	3,147	7,351	13,042	4,697
MEAN	1,093	286	158	110	114	189	118	67.0	105	237	421	157
MAX	1,800	266	184	135	162	275	207	88	190	321	807	225
MIN	615	162	138	56	86	133	80	44	39	163	201	122
CFSM	1.13	.90	.96	.91	.92	.99	.92	.97	.94	.93	.96	.96
IN.	1.30	.93	.99	.91	.92	.99	.92	.97	.94	.93	.96	.96
CAL YR 1964	TOTAL 278,892	MEAN 762	MAX 6,160	MIN 40	CFSM .79	IN 19.78						
WAT YR 1965	TOTAL 95,697	MEAN 257	MAX 6,160	MIN 30	CFSM .27	IN 3.60						

## 2-2322 Wolf Creek near Deer Park, Fla

Location (revised) --Lat 28°12'55", long 80°54'03", in NE 1/4 sec 22, T 26 S, R 34 E, near left bank just upstream from abandoned bridge about three-quarters of a mile downstream from bridge on State Highway 419 and 8 1/2 miles north of Deer Park, Osceola County

Drainage area --26 3 sq mi

Records available --January 1956 to September 1965

Gage --Digital water-stage recorder Datum of gage is 19 35 ft above mean sea level, datum of 1929 Prior to May 19, 1965, graphic water-stage recorder at same site and datum

Average discharge --9 years, 39 3 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (450 cfs, revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 8, 1960	0900	* 1,590	6 38	Sept 25, 1963	1130	* 722	4 83	Aug 23, 1964	0900	1,060	5 37
Aug 12, 1962	1330	* 570	4 50	Nov 11, 1963	0130	1,220	5 59	Aug 28, 1964	0530	* 4,240	8 53
Aug 18, 1962	2200	476	4 29	Nov 26, 1963	1130	1,860	6 34	Sept 3, 1964	1630	678	4 78
Feb 13, 1963	0500	472	4 28	Jan 15, 1964	0230	485	4 41	Sept 10, 1964	2030	1,260	5 64
				Aug 20, 1964	2330	476	4 39	Aug 8, 1965	0945	* 625	4 69

Annual minimum discharge, 0 30 cfs Apr 6, 7, 1961, no flow for many days water years 1962-65  
1956-65 Maximum discharge, 7,700 cfs Oct 16, 1956, from rating curve extended above 1,400 cfs by logarithmic plotting, maximum gage height, 8 53 ft Aug 28, 1964 No flow at times

Remarks --Records fair except those above 700 cfs and those for period of shifting control, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	266	18	1.9	2.1	6.3	2.3	.70	.60	.60	19	.90	67
2	172	28	1.7	2.1	5.2	2.2	.60	2.2	.60	18	5.1	43
3	106	27	1.6	1.8	4.9	2.1	.60	2.1	.60	21	14	28
4	72	21	1.4	1.5	8.0	2.1	.50	1.8	.50	320	5.8	20
5	52	16	1.4	1.4	7.8	1.9	.40	1.8	.50	266	3.6	16
6	42	13	1.4	1.3	6.5	1.7	.30	1.6	.50	95	4.1	12
7	107	11	1.4	1.3	7.3	1.5	.90	1.2	.50	42	3.7	9.0
8	868	8.7	1.4	1.3	19	1.3	1.3	1.1	.50	24	2.7	6.3
9	584	6.9	1.3	1.9	26	1.0	1.6	1.0	.50	16	2.0	5.4
10	371	6.2	1.3	3.2	22	.80	2.0	2.1	.60	18	1.5	4.7
11	224	3.4	1.3	3.6	16	.70	1.7	1.6	2.1	40	1.1	4.6
12	127	5.2	1.3	3.1	12	.70	1.2	1.5	2.2	140	.90	4.4
13	90	4.6	1.2	23	9.2	1.1	1.1	1.3	1.0	88	.80	3.5
14	73	4.2	1.2	88	7.8	2.7	.90	1.1	.80	39	1.0	3.2
15	120	4.2	1.2	63	6.6	2.1	.80	.90	.70	23	1.8	2.8
16	94	4.4	1.5	38	6.0	1.5	.80	.90	.60	14	6.5	2.5
17	58	4.4	2.2	24	5.5	1.2	.90	.80	.60	9.0	10	12
18	42	3.9	2.3	18	5.1	1.7	.80	.80	.50	6.3	11	30
19	33	3.7	2.2	14	4.7	8.7	.80	.80	.50	9.3	5.8	45
20	27	3.1	1.8	11	4.6	11	.70	.70	.50	41	3.8	36
21	25	2.9	2.0	9.2	4.7	8.7	.70	.60	.70	44	2.8	22
22	24	2.6	2.9	7.5	4.6	5.1	.70	.60	1.2	24	2.5	14
23	22	2.4	3.6	6.5	4.2	3.3	.60	.60	1.6	14	2.5	9.2
24	18	2.3	3.3	6.0	4.0	2.2	.50	.60	3.2	8.7	2.9	6.8
25	14	2.2	2.8	5.7	3.5	1.6	.50	.60	3.6	6.0	2.5	5.7
26	12	2.2	2.6	5.7	3.1	1.2	.50	1.2	16	4.6	2.7	4.8
27	11	2.2	2.5	5.5	2.7	1.0	.40	1.5	36	3.8	5.5	4.2
28	9.7	2.3	2.3	4.9	2.5	.80	.50	1.0	31	2.9	54	3.7
29	9.7	2.3	2.3	4.7	-----	.80	.80	1.0	28	2.3	280	3.4
30	9.2	2.2	2.2	4.7	-----	.70	.60	.80	26	1.8	194	3.5
31	10	-----	2.2	4.9	-----	.60	-----	.70	-----	1.2	106	-----
TOTAL	3,692.6	222.5	59.7	368.7	219.8	74.30	24.40	35.10	162.20	1,361.9	741.50	432.7
MEAN	119	7.42	1.93	11.9	7.85	2.40	.81	1.13	5.41	43.9	23.9	14.4
MAX	868	28	3.6	88	26	11	2.0	2.2	36	320	280	67
MIN	9.2	2.2	1.2	1.3	2.5	.60	.30	.60	.50	1.2	.80	2.5
CFSM	4.53	2.8	.07	.45	.30	.09	.03	.04	.21	1.67	.91	.95
IN.	5.22	.31	.08	.52	.31	.11	.03	.05	.23	1.93	1.05	.61

CAL YR 1960: TOTAL 27,997.40 MEAN 76.5 MAX 2,230 MIN 0 CFSM 2.91 IN 39.59  
WAT YR 1961: TOTAL 7,395.40 MEAN 20.3 MAX 868 MIN .30 CFSM .77 IN 10.46

Note --Shifting-control method used Nov 9 to Dec 12

## 2-2322. Wolf Creek near Deer Park, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.5	1.3	.70	2.4	1.2	.70	.80	.20	0	148	13	44
2	3.2	1.2	.70	5.4	1.2	.60	1.4	.10	0	145	36	36
3	2.8	1.1	.70	5.7	1.1	.60	1.6	.10	0	81	35	32
4	2.6	.90	.70	3.8	1.0	.50	1.5	.10	0	44	30	33
5	2.4	1.2	.60	3.1	1.0	.50	.90	0	0	28	61	22
6	2.4	2.1	.70	3.0	1.1	.40	.90	0	0	17	145	16
7	2.3	2.2	.70	3.4	1.1	.40	1.2	0	0	10	163	29
8	2.2	2.0	.80	3.4	1.2	.40	2.1	0	0	6.6	110	40
9	2.2	1.5	.70	3.1	1.6	.30	1.8	0	0	10	66	31
10	2.0	1.2	.70	2.7	5.8	30	2.4	0	.30	11	47	23
11	2.0	.90	.60	2.6	11	.30	12	0	.30	19	52	17
12	1.8	.90	.60	3.1	9.0	.20	18	0	.20	66	476	14
13	3.8	1.6	.60	3.4	5.2	.20	9.7	0	.40	43	270	25
14	8.5	2.2	.60	3.4	4.2	.20	4.2	0	.50	29	120	36
15	5.8	2.3	.50	3.1	3.4	.20	2.6	0	.50	18	64	37
16	3.6	2.1	.50	2.8	3.1	.70	1.8	0	.30	21	43	46
17	2.6	1.7	.50	2.6	2.8	1.9	1.2	0	.30	56	73	35
18	2.2	1.6	.60	2.3	2.6	2.5	1.0	0	.80	45	430	56
19	2.2	1.2	.70	2.2	2.4	1.7	.80	0	1.3	29	347	86
20	2.3	1.1	.90	2.2	2.2	1.2	.70	0	.90	21	181	94
21	1.8	1.0	1.2	2.1	1.9	.90	.60	0	.70	33	108	214
22	1.4	.90	1.1	2.1	1.7	.70	.50	0	.90	125	97	148
23	1.2	.90	.90	2.0	1.5	1.4	.40	0	1.3	59	70	213
24	1.1	1.2	.90	1.9	1.3	2.2	.30	0	1.4	32	56	270
25	.90	1.2	.80	1.8	1.1	3.1	.30	0	3.3	17	63	197
26	1.1	1.2	.70	1.7	.90	3.5	.30	.10	5.6	9.7	88	135
27	1.9	1.0	.70	1.7	.90	3.6	.50	0	21	7.0	291	81
28	1.8	.90	.70	1.6	.80	2.5	.40	0	39	14	238	53
29	1.6	.80	.60	1.5	-----	1.7	.40	0	72	211	210	40
30	1.6	.80	.60	1.5	-----	1.2	.30	0	59	6.5	130	32
31	1.5	-----	.80	1.3	-----	.90	-----	0	-----	6.6	67	-----
TOTAL	76.30	40.20	22.10	82.9	72.30	35.50	70.60	0.60	210.00	1,168.4	4,180	2,135
MEAN	2.46	1.24	.71	2.67	2.58	1.15	2.35	.019	7.00	37.7	135	71.2
MAX	8.5	2.3	1.2	5.7	11	3.6	18	.20	72	148	476	270
MIN	.90	.80	.50	1.3	.80	.20	.30	0	0	6.5	13	14
CFSM	.09	.05	.03	.10	.10	.04	.09	.0007	.27	1.43	5.13	2.71
IN.	.11	.06	.03	.12	.10	.05	.10	.0008	.30	1.65	5.91	3.02
CAL YR 1961- TOTAL	3,559.20			MEAN 9.75	MAX 320	MIN .30		CFSM .37	IN 5.03			
WAT YR 1962- TOTAL	8,093.90			MEAN 22.2	MAX 476	MIN 0		CFSM .84	IN 11.45			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	1.2	5.2	4.6	12	120	4.3	.40	24	13	21	22
2	129	1.2	5.1	4.0	11	81	3.7	.60	15	8.2	30	15
3	138	1.3	4.7	3.6	9.7	99	3.0	.80	10	5.4	108	11
4	79	1.6	4.0	3.1	13	108	2.5	1.6	6.3	4.1	92	10
5	52	1.6	3.4	2.8	22	75	2.2	1.8	4.6	3.4	46	9.0
6	39	1.6	3.1	2.8	26	53	2.4	1.4	3.7	4.4	27	8.0
7	31	1.4	3.0	3.0	24	42	1.9	1.0	2.8	4.8	18	7.5
8	24	1.8	2.8	3.4	19	34	1.7	.90	2.2	4.8	13	6.6
9	18	12	3.4	3.4	15	30	1.6	.70	2.1	5.8	11	5.4
10	14	26	3.6	3.1	13	83	1.4	.60	3.5	9.0	9.2	4.6
11	11	35	3.3	2.8	11	130	1.4	.40	4.9	10	7.3	4.0
12	9.5	26	3.0	2.7	153	86	1.2	.30	3.7	14	6.8	4.6
13	7.5	19	2.7	2.7	388	56	1.1	.20	2.5	19	9.8	4.8
14	6.2	15	2.5	4.1	184	43	.90	.20	2.0	17	28	4.9
15	5.1	13	2.5	8.5	99	35	.80	.20	1.6	14	44	6.0
16	4.6	11	2.5	13	66	30	.70	.20	1.8	17	38	5.4
17	3.7	8.7	2.5	15	66	26	.70	.10	2.3	20	30	6.5
18	3.4	6.8	2.5	14	66	21	.60	0	2.7	30	22	6.6
19	3.0	6.0	2.5	13	59	17	.60	0	2.2	24	17	11
20	2.5	5.5	2.5	11	62	14	.50	0	1.8	17	17	73
21	2.2	4.9	2.4	14	62	11	.50	0	1.3	10	18	181
22	2.1	4.9	2.3	24	48	9.0	.50	.10	1.1	7.8	121	160
23	2.2	6.6	2.3	26	37	6.8	.40	.50	.90	14	160	120
24	2.2	12	2.3	20	31	5.7	.40	2.0	.80	27	86	143
25	2.0	13	2.7	16	26	4.7	.30	1.6	.80	43	46	625
26	1.7	10	4.6	17	50	4.3	.40	2.5	3.6	26	32	425
27	1.6	7.8	7.8	20	312	4.1	.40	3.1	4.8	18	23	309
28	1.4	6.3	8.5	21	228	5.2	.30	3.2	10	12	17	197
29	1.3	5.7	7.0	18	-----	4.7	.20	2.4	16	9.5	14	125
30	1.2	5.5	6.2	16	-----	4.1	.20	3.4	16	7.3	14	79
31	1.2	-----	5.2	14	-----	4.1	-----	16	-----	8.7	28	-----
TOTAL	624.6	272.4	116.1	326.6	2,112.7	1,246.7	36.80	46.20	155.00	428.2	1,154.1	2,589.9
MEAN	20.1	9.8	3.75	10.5	75.5	40.2	1.23	1.49	5.17	13.8	37.2	86.3
MAX	138	35	8.5	26	388	130	4.3	16	24	43	160	625
MIN	1.2	1.2	2.3	2.7	9.7	4.1	.20	0	.80	3.4	6.8	4.0
CFSM	.77	.35	.14	.40	2.87	1.53	.05	.06	.20	.53	1.42	3.28
IN.	.88	.39	.16	.46	2.99	1.76	.05	.07	.22	.61	1.63	3.66
CAL YR 1962- TOTAL	8,968.40			MEAN 25.0	MAX 476	MIN 0		CFSM .93	IN 12.68			
WAT YR 1963- TOTAL	9,109.30			MEAN 25.0	MAX 625	MIN 0		CFSM .95	IN 12.88			

## 2-2322 Wolf Creek near Deer Park, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	58	3.8	95	73	33	60	12	8.6	.70	17	6.5	140	
2	47	3.8	68	62	28	45	9.6	28	1.2	9.8	5.2	98	
3	63	3.7	55	45	26	35	8.0	28	1.0	7.6	4.3	452	
4	56	3.6	43	35	50	29	7.2	20	1.0	5.9	3.5	338	
5	38	3.8	34	29	200	25	6.8	14	1.0	6.3	2.8	188	
6	27	6.3	28	26	314	21	6.3	9.4	.90	19	2.5	116	
7	21	7.6	25	56	221	18	5.5	7.0	.90	36	9.5	72	
8	18	7.0	22	98	198	16	4.9	5.4	.80	26	34	52	
9	16	6.1	19	79	160	14	4.3	4.3	.60	16	34	49	
10	15	412	17	59	106	12	4.0	3.4	.70	8.9	30	751	
11	18	677	16	47	74	11	3.7	3.0	1.4	5.7	27	744	
12	24	342	15	235	56	9.8	3.5	2.6	1.4	4.4	297	300	
13	22	202	14	374	44	9.1	3.2	8.8	1.0	3.4	245	221	
14	17	134	14	190	36	8.5	3.0	89	.80	2.6	155	185	
15	14	95	16	130	32	8.0	2.7	63	.50	2.1	158	132	
16	15	68	17	91	30	8.3	2.4	27	.30	1.8	91	212	
17	16	56	21	73	29	11	2.0	1.6	.10	1.9	124	134	
18	15	44	28	78	35	12	1.6	10	.20	3.2	272	80	
19	16	35	29	74	89	17	1.8	7.7	.30	4.4	128	58	
20	15	29	26	61	106	10	1.6	5.5	2.0	5.4	154	47	
21	12	23	22	55	65	8.7	1.6	4.3	2.7	4.0	318	37	
22	9.1	21	20	47	47	7.2	1.5	3.6	1.7	3.1	188	30	
23	8.5	18	20	39	40	6.6	1.4	3.0	1.2	6.5	810	25	
24	8.3	16	66	34	36	6.1	1.3	2.5	1.0	17	282	21	
25	7.6	68	80	31	31	5.7	1.5	2.2	1.2	22	138	17	
26	6.8	1,320	60	32	27	5.4	1.6	1.9	3.6	20	80	14	
27	6.1	685	45	33	24	5.9	1.6	1.6	15	21	380	12	
28	5.4	292	36	43	28	9.4	3.5	1.3	26	21	3,050	11	
29	4.9	190	31	51	41	21	6.5	1.1	26	16	936	10	
30	4.3	134	29	51	-----	23	5.2	.90	22	12	378	9.1	
31	4.0	-----	48	40	-----	17	-----	.70	-----	8.7	224	-----	
TOTAL	608.0	5,106.7	1,059	2,371	2,204	490.7	120.0	381.30	117.20	338.7	8,567.3	4,555.1	
MEAN	19.6	170	34.2	76.5	76.0	15.8	4.00	12.3	3.91	10.9	276	152	
MAX	63	1,320	95	374	314	60	12	89	26	36	3,050	751	
MIN	4.0	1.6	14	26	24	5.4	1.3	.70	.60	1.8	2.5	9.1	
CFSM	.75	6.47	1.30	2.91	2.89	.60	.15	.47	.15	.42	10.5	5.77	
IN#	.86	7.22	1.50	3.35	3.12	.69	.17	.54	.17	.48	12.1	6.44	
CAL YR 1963	TOTAL 14,869.90			MEAN 40.7		MAX 1,320		MIN 0		CFSM 1.55		IN 21.03	
WAT YR 1964	TOTAL 25,919.00			MEAN 70.8		MAX 3,050		MIN .10		CFSM 2.69		IN 36.65	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APP.	MAY	JUNE	JULY	AUG.	SEPT.	
1	8.0	7.2	10	3.6	3.7	27	31	.20	0	4.9	27	23	
2	8.7	6.3	7.8	3.5	4.4	22	22	.20	0	4.4	26	19	
3	10	5.9	6.6	3.4	7.0	22	14	.10	0	5.1	25	16	
4	10	5.7	6.8	3.5	7.6	22	9.1	.10	0	7.8	28	12	
5	9.6	5.4	22	3.8	6.6	23	6.6	.10	.10	14	31	10	
6	12	5.1	51	3.8	6.3	21	5.2	.10	.10	34	45	9.6	
7	12	4.6	35	3.5	15	18	4.3	0	.10	24	68	9.6	
8	14	4.3	22	3.2	34	14	3.6	0	.80	28	471	9.4	
9	20	4.0	15	3.1	28	11	3.0	0	1.3	118	254	8.7	
10	21	3.7	12	3.0	20	8.7	2.5	0	1.0	84	145	7.2	
11	18	3.6	9.4	2.8	15	7.4	2.2	0	2.7	55	91	6.1	
12	43	3.5	8.0	2.8	11	6.8	1.9	0	3.8	42	67	5.2	
13	136	3.4	7.4	3.0	8.9	6.3	1.7	0	3.0	45	67	4.6	
14	114	3.4	7.0	3.4	7.6	7.8	1.4	0	3.8	68	60	3.7	
15	82	3.2	6.5	19	6.6	9.6	1.2	0	5.2	62	45	3.4	
16	62	3.1	6.1	38	6.1	9.1	1.0	0	7.4	43	41	3.4	
17	45	3.0	5.5	31	5.7	8.9	1.2	0	13	38	42	6.6	
18	33	2.8	5.4	20	5.4	8.5	1.1	0	35	72	41	14	
19	25	2.7	5.2	14	5.2	7.2	1.0	0	63	108	36	20	
20	20	2.7	5.1	11	4.6	6.3	.80	0	45	168	33	18	
21	15	3.1	4.9	8.7	4.4	5.5	.80	0	29	200	26	14	
22	11	3.0	4.6	7.8	4.0	5.4	.90	0	17	138	22	10	
23	8.9	3.1	4.4	7.2	25	5.7	.90	0	12	84	18	8.7	
24	7.6	25	4.3	6.8	160	5.5	.80	0	14	63	14	7.8	
25	6.8	16	4.0	6.5	126	4.7	.70	0	24	47	11	7.0	
26	6.6	11	3.7	6.1	91	3.8	.60	0	23	37	8.7	18	
27	6.6	8.0	3.8	5.5	59	7.0	.70	0	20	31	9.1	47	
28	6.3	7.6	4.0	4.9	38	14	.60	0	14	26	19	82	
29	7.6	20	4.0	4.3	-----	31	.50	0	8.5	26	66	140	
30	8.9	16	3.8	4.0	-----	53	.30	0	6.1	25	43	230	
31	8.5	-----	3.7	3.8	-----	46	-----	0	-----	27	30	-----	
TOTAL	797.1	196.4	299.0	245.0	716.1	448.2	121.60	0.80	352.90	1,729.2	1,909.8	774.0	
MEAN	25.7	6.55	9.65	7.90	25.6	14.5	4.05	.026	11.8	55.8	61.6	25.8	
MAX	136	25	51	38	160	53	31	.20	63	200	471	230	
MIN	6.3	2.7	3.7	2.8	3.7	3.8	.30	0	4.4	8.7	3.4	9.4	
CFSM	.98	.25	.37	.30	.97	.55	.15	.0009	.45	2.12	2.34	.98	
IN#	1.13	.28	.42	.35	1.01	.63	.17	.001	.50	2.45	2.70	1.09	
CAL YR 1964	TOTAL 20,437.80			MEAN 55.8		MAX 3,050		MIN 0		CFSM 2.12		IN 28.90	
WAT YR 1965	TOTAL 7,590.10			MEAN 20.8		MAX 471		MIN 0		CFSM .79		IN 10.73	

2-2324 St Johns River near Cocoa, Fla

Location --Lat 28°22'10", long 80°52'22", in NW 1/4 sec 25, T 24 S, R 34 E, near right bank on downstream side of bridge on State Highway 520, 0.7 mile downstream from outlet of Lake Poinsett and 8.8 miles west of Cocoa, Brevard County

Drainage area --1,331 sq mi (revised)

Records available --October 1953 to September 1965

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Oct 1, 1959, staff gage at site 3.7 miles east on north shore of Lake Poinsett at datum 5.06 ft higher Oct 1, 1959, to Apr 7, 1965, graphic water-stage recorder at present site and datum

Average discharge --12 years, 1,210 cfs

Extremes --Maximum discharge and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 18, 1961	a 1,200	b 16 24	June 21, 1961	122	c 9 83
1962	July 24, 1962	d 238	e 14 61	June 6, 1962	16	f 7 77
1963	Oct 2, 1962	3,200	14 66	June 27, 1963	99	g 9 44
1964	Sept 12, 1964	7,160	15 89	Aug 4, 1964	98	g 9 02
1965	Nov 29, 1964	h 1,510	i 14 65	June 3, 1965	47	j 8 78

a Maximum peak discharge, maximum discharge during year, 8,860 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

c Affected by wind

d Maximum independent peak discharge, maximum discharge during year, 3,100 cfs Sept 26, 1962, occurred on peak Oct 2, 1962

e Occurred Sept 26, 1962

f Occurred Mar 6, 1962 (affected by wind)

g Occurred July 25, 1964 (affected by wind)

h Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 3,400 cfs Oct 1, 1964, occurred on recession following crest of Sept 12, 1964

i Occurred Oct 1, 1964 (affected by wind)

j Occurred May 30, June 4, 1965 (affected by wind)

1953-65 Maximum daily discharge, 10,700 cfs Oct 11, 1953, maximum gage height observed, 16.96 ft (present site and datum) Oct 11, 1953, minimum daily discharge, 16 cfs June 6, 1962, minimum gage height, 7.77 ft Mar 6, 1962 (wind affected)

Remarks --Records fair Records include inflow from Taylor Creek Records of chemical analyses for the water years 1961-65 and of water temperatures for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8,790	4,580	1,820	869	829	474	326	244	174	235	300	497
2	8,720	4,380	1,790	829	805	445	326	244	170	235	291	497
3	8,540	4,240	1,790	798	805	454	320	244	167	239	295	474
4	8,370	4,140	1,750	730	775	459	277	250	166	264	293	450
5	8,170	4,010	1,720	760	775	459	303	255	160	310	287	425
6	7,810	3,850	1,670	752	821	445	303	260	157	354	291	421
7	7,680	3,700	1,600	738	805	421	281	255	153	391	283	404
8	8,130	3,640	1,570	716	745	387	298	250	156	387	275	387
9	8,410	3,560	1,530	716	738	310	320	262	150	376	268	361
10	8,510	3,450	1,470	723	734	329	277	239	137	372	260	341
11	8,410	3,340	1,470	709	738	361	283	236	143	365	257	317
12	8,200	3,210	1,360	702	738	365	287	239	144	365	252	305
13	7,910	3,140	1,310	798	730	358	264	232	147	361	250	291
14	7,650	3,060	1,330	799	709	358	277	228	146	372	242	285
15	7,460	3,010	1,330	1,080	688	372	279	225	140	369	241	273
16	7,300	2,920	1,210	1,140	667	365	271	221	133	372	233	279
17	7,090	2,840	1,240	1,170	674	376	271	218	129	365	239	338
18	6,960	2,780	1,210	1,180	674	412	266	214	122	351	242	412
19	6,760	2,680	1,180	1,160	647	391	268	207	125	354	249	556
20	6,540	2,620	1,150	1,070	640	421	269	201	132	387	241	660
21	6,330	2,520	1,100	1,060	613	400	268	198	140	396	241	730
22	6,150	2,470	1,070	1,040	600	396	269	191	133	396	238	718
23	6,010	2,400	1,050	1,020	556	396	269	184	133	391	235	716
24	5,810	2,330	1,030	997	556	376	266	183	142	391	231	709
25	5,590	2,260	997	962	491	376	264	188	152	376	221	688
26	5,430	2,200	988	962	486	379	260	187	163	369	225	667
27	5,240	2,130	970	902	497	379	274	180	174	364	223	640
28	5,140	2,100	944	885	486	361	244	177	199	351	239	606
29	4,920	2,040	953	861	-----	347	239	174	215	338	341	581
30	4,820	1,940	919	813	-----	351	245	177	228	323	421	544
31	4,700	-----	910	845	-----	361	-----	174	-----	312	480	-----
TOTAL	217,570	91,570	40,434	27,966	19,026	12,084	8,340	6,711	4,636	10,828	8,394	14,592
MEAN	7,018	3,052	1,304	902	680	390	278	216	155	349	271	486
MAX	8,790	4,580	1,820	1,180	829	474	326	260	228	396	480	738
MIN	4,700	1,940	910	702	486	310	239	174	122	235	221	273
CFSM	5.27	2.29	.98	.68	.51	.29	.21	.16	.12	.26	.20	.37
IN.	6.08	2.56	1.13	.78	.53	.34	.23	.19	.13	.30	.23	.41
CAL YR 1960	TOTAL	1,021,371	MEAN	2,791	MAX	9,820	MIN	254	CFSM	2.49	IN	28.54
WAT YR 1961	TOTAL	462,148	MEAN	1,266	MAX	8,790	MIN	122	CFSM	2.49	IN	28.54



## 2-2324 St Johns River near Cocoa, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	520	211	110	59	56	59	60	41	24	40	207	1,560	
2	503	211	103	54	55	51	55	38	24	45	216	1,570	
3	491	210	101	64	54	44	51	36	24	51	238	1,560	
4	459	194	100	65	55	48	56	36	22	54	266	1,560	
5	430	199	98	71	53	40	69	36	19	55	297	1,560	
6	430	207	94	72	50	21	61	34	16	59	337	1,540	
7	408	200	90	68	46	38	63	34	18	57	382	1,530	
8	391	192	86	62	50	47	59	36	20	56	435	1,560	
9	376	186	84	64	51	48	61	34	24	64	471	1,540	
10	365	189	92	62	59	51	64	32	25	69	502	1,540	
11	347	190	89	54	59	52	70	32	24	81	520	1,530	
12	347	186	88	52	69	49	65	30	20	85	539	1,500	
13	338	186	81	59	77	47	55	34	20	89	550	1,500	
14	332	186	81	65	75	47	53	36	21	92	568	1,530	
15	293	182	80	66	75	51	53	30	22	96	578	1,570	
16	298	179	79	64	77	52	49	27	21	100	587	1,600	
17	293	169	81	59	77	52	52	26	20	103	608	1,580	
18	277	163	79	64	81	54	51	24	19	110	633	1,660	
19	271	156	73	64	77	59	50	24	20	126	708	1,760	
20	264	152	69	57	68	61	49	24	19	161	805	1,910	
21	252	142	66	59	73	56	49	24	20	183	905	2,090	
22	255	152	68	65	73	54	48	24	22	204	964	2,270	
23	250	149	69	61	72	52	47	24	22	210	1,000	2,510	
24	246	132	58	62	66	61	47	26	24	211	1,040	2,760	
25	240	129	58	61	65	69	50	28	28	207	1,080	2,930	
26	230	124	61	64	66	52	45	27	28	200	1,120	3,010	
27	231	122	64	64	66	56	44	25	28	196	1,170	3,010	
28	231	117	58	48	63	66	48	26	28	193	1,260	2,990	
29	243	110	52	49	-----	71	45	24	32	187	1,360	2,990	
30	228	108	57	53	-----	69	43	24	36	184	1,450	3,010	
31	216	-----	60	56	-----	67	-----	25	-----	204	1,530	-----	
TOTAL	10,055	5,033	2,439	1,887	1,808	1,644	1,612	923	690	3,772	22,326	59,230	
MEAN	324	168	78.7	60.9	60.6	53.0	53.7	29.8	23.0	122	720	1,974	
MAX	520	211	110	72	81	71	70	41	36	211	1,530	3,010	
MIN	216	108	52	48	46	21	43	24	16	40	207	1,500	
CFSM	.24	.13	.06	.05	.05	.04	.04	.02	.02	.09	.54	1.48	
IN.	.28	.14	.07	.05	.05	.05	.05	.03	.02	.11	.62	1.65	
CAL YR 1961	TOTAL 130,104			MEAN 356		MAX 1,180		MIN 52		CFSM .27		IN 3.64	
WAT YR 1962	TOTAL 111,419			MEAN 305		MAX 3,010		MIN 16		CFSM .23		IN 3.11	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	3,100	1,460	917	534	452	1,430	1,140	384	201	141	361	281	
2	3,140	1,430	905	530	452	1,520	1,110	390	207	146	358	277	
3	3,120	1,410	894	512	436	1,620	1,070	392	215	148	371	273	
4	3,100	1,380	868	498	415	1,710	1,030	371	217	152	371	271	
5	3,050	1,340	876	505	439	1,740	995	358	211	150	374	267	
6	3,100	1,300	795	512	468	1,740	958	356	206	149	366	258	
7	3,050	1,290	838	477	477	1,710	911	356	198	145	351	256	
8	2,990	1,300	832	474	468	1,670	896	353	194	143	332	241	
9	2,950	1,350	795	484	474	1,700	871	336	185	139	327	227	
10	2,870	1,320	774	484	477	1,710	832	321	178	139	319	220	
11	2,830	1,310	779	477	484	1,740	811	304	171	144	312	220	
12	2,730	1,320	743	471	561	1,730	770	297	162	155	308	215	
13	2,680	1,260	703	464	674	1,710	748	308	158	178	297	212	
14	2,580	1,230	723	448	806	1,700	708	279	153	196	291	206	
15	2,500	1,220	723	445	899	1,660	684	262	149	209	289	201	
16	2,410	1,220	718	442	952	1,700	674	254	144	229	283	196	
17	2,280	1,200	698	461	1,000	1,650	660	243	139	254	277	190	
18	2,200	1,170	694	468	1,050	1,620	637	229	135	275	275	189	
19	2,180	1,150	679	468	1,090	1,590	619	226	133	283	267	212	
20	2,130	1,130	665	461	1,110	1,530	594	215	128	283	260	281	
21	2,070	1,120	656	445	1,140	1,480	573	201	124	279	262	351	
22	2,040	1,080	646	439	1,120	1,450	541	194	116	283	273	406	
23	1,970	1,070	633	448	1,140	1,450	515	186	109	297	283	484	
24	1,870	1,050	624	418	1,160	1,420	491	183	103	316	297	674	
25	1,820	1,030	624	436	1,160	1,390	491	183	100	374	310	1,050	
26	1,740	946	628	455	1,210	1,340	464	194	101	395	312	1,420	
27	1,700	899	615	461	1,270	1,320	455	200	99	395	308	1,780	
28	1,660	911	594	448	1,360	1,280	461	196	109	398	308	2,050	
29	1,610	928	589	471	-----	1,220	442	195	126	392	302	2,190	
30	1,560	934	541	468	-----	1,190	401	195	137	384	297	2,220	
31	1,500	-----	534	458	-----	1,170	-----	201	-----	371	291	-----	
TOTAL	74,530	35,758	22,323	14,562	22,760	47,890	21,559	8,362	4,608	7,542	9,632	17,318	
MEAN	2,404	1,192	720	470	730	1,545	719	270	154	243	311	577	
MAX	3,140	1,460	917	534	1,360	1,740	1,140	392	217	398	374	2,220	
MIN	1,500	899	534	418	415	1,170	401	183	99	139	260	189	
CFSM	1.81	.90	.54	.35	.61	1.16	.54	.20	.12	.18	.23	.43	
IN.	2.08	1.00	.62	.41	.64	1.34	.60	.23	.13	.21	.27	.46	
CAL YR 1962	TOTAL 226,503			MEAN 621		MAX 3,140		MIN 16		CFSM .47		IN 6.33	
WAT YR 1963	TOTAL 286,844			MEAN 786		MAX 3,140		MIN 99		CFSM .59		IN 8.01	

## 2-2324 St Johns River near Cocoa, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,320	1,420	2,740	1,580	1,720	1,820	810	328	233	167	101	4,290
2	2,340	1,360	2,700	1,580	1,700	1,800	820	367	232	165	100	4,120
3	2,330	1,350	2,640	1,550	1,680	1,760	790	351	225	162	100	4,410
4	2,330	1,330	2,580	1,520	1,710	1,750	755	334	225	160	98	4,560
5	2,340	1,310	2,540	1,490	1,760	1,670	745	345	220	159	104	4,710
6	2,280	1,300	2,480	1,460	1,800	1,610	740	356	222	156	101	4,710
7	2,240	1,260	2,400	1,500	1,980	1,570	700	353	211	158	102	4,650
8	2,180	1,250	2,400	1,520	1,980	1,550	666	345	214	159	104	4,470
9	2,160	1,240	2,320	1,530	2,090	1,510	620	334	213	159	112	4,320
10	2,150	1,630	2,280	1,470	2,130	1,450	604	318	210	153	116	5,960
11	2,150	2,300	2,240	1,480	2,100	1,410	600	306	208	149	129	6,800
12	2,150	2,820	2,200	1,620	2,080	1,350	582	294	210	143	143	7,080
13	2,130	2,940	2,130	1,680	2,080	1,330	568	293	203	141	161	6,920
14	2,110	2,900	2,080	1,630	2,030	1,330	551	334	196	141	192	6,620
15	2,080	2,780	1,980	1,890	2,030	1,260	512	351	190	143	228	6,420
16	2,040	2,700	1,900	1,960	1,980	1,220	503	356	186	134	252	6,280
17	1,990	2,580	1,930	1,970	1,980	1,190	494	356	179	130	269	6,000
18	1,960	2,460	1,880	1,960	2,010	1,160	476	353	172	128	287	5,720
19	1,910	2,390	1,840	1,900	1,980	1,160	446	345	189	119	314	5,440
20	1,870	2,270	1,810	1,930	1,980	1,100	434	334	162	113	347	5,190
21	1,840	2,200	1,770	1,910	1,990	1,040	416	324	159	105	400	4,980
22	1,780	2,130	1,750	1,890	1,970	1,010	400	314	154	99	458	4,740
23	1,700	2,050	1,730	1,880	1,970	988	382	306	152	106	537	4,560
24	1,670	1,990	1,720	1,870	1,980	976	362	293	146	106	652	4,380
25	1,690	2,090	1,700	1,830	1,950	952	347	280	146	107	765	4,170
26	1,660	2,270	1,730	1,800	1,910	898	349	275	153	108	820	3,960
27	1,620	2,460	1,710	1,790	1,890	870	336	267	158	110	1,040	3,850
28	1,570	2,740	1,690	1,790	1,850	860	322	258	168	113	1,090	3,650
29	1,490	2,620	1,640	1,780	1,820	870	316	252	176	116	3,240	3,450
30	1,470	2,720	1,620	1,760	1,800	830	312	248	171	111	3,930	3,260
31	1,450	-----	1,670	1,760	-----	825	-----	243	-----	107	4,230	-----
TOTAL	61,000	62,910	63,840	53,570	56,130	49,119	15,960	9,809	5,661	4,125	21,322	149,870
MEAN	1,968	2,029	2,059	1,728	1,810	1,584	514	314	186	134	688	4,696
MAX	2,340	2,940	2,740	1,970	2,130	1,820	820	362	233	167	4,230	7,080
MIN	1,450	1,240	1,620	1,470	1,680	825	312	243	146	99	98	3,260
CFSM	1.48	1.58	1.55	1.30	1.45	.95	.40	.24	.14	.10	.52	3.75
IN.	1.70	1.76	1.76	1.50	1.57	1.09	.45	.27	.16	.12	.60	4.19

CAL YR 1964 TOTAL 441,994 MEAN 947 MAX 2,940 MIN 99 CFSM .70 IN 9.56  
 MAY YR 1965 TOTAL 543,316 MEAN 1,484 MAX 7,080 MIN 98 CFSM 1.12 IN 15.18

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,400	1,490	1,430	518	275	548	437	180	59	299	503	652
2	3,260	1,490	1,450	500	264	544	446	175	49	290	518	648
3	3,180	1,440	1,430	476	246	527	458	170	47	287	512	632
4	3,060	1,420	1,390	461	246	506	452	166	46	284	509	608
5	2,960	1,370	1,370	443	236	497	443	158	59	277	494	579
6	2,760	1,350	1,330	431	257	476	437	155	58	289	491	565
7	2,680	1,310	1,280	416	267	494	422	149	62	301	484	551
8	2,820	1,270	1,240	410	275	461	403	143	62	311	492	616
9	2,820	1,210	1,210	398	282	485	379	137	62	331	530	678
10	2,720	1,170	1,210	382	293	479	360	134	73	348	576	590
11	2,660	1,150	1,170	362	294	473	377	125	78	372	628	568
12	2,680	1,120	1,110	353	294	464	348	118	81	393	668	548
13	2,660	1,100	1,060	347	293	452	330	111	86	397	668	527
14	2,660	1,090	994	347	289	449	321	112	97	406	668	515
15	2,640	1,030	910	353	269	449	327	111	116	421	660	500
16	2,520	988	928	358	277	446	302	108	128	437	660	494
17	2,480	952	904	353	285	449	293	101	148	459	656	494
18	2,450	922	845	365	276	428	294	97	176	482	644	497
19	2,390	904	830	372	266	416	287	94	224	498	636	488
20	2,280	870	795	370	269	395	274	94	259	516	636	479
21	2,180	825	760	358	269	353	268	92	280	537	648	479
22	2,140	775	725	360	266	380	258	90	293	553	636	473
23	2,040	790	710	356	291	388	248	87	294	575	632	464
24	1,960	1,150	690	340	342	375	240	78	293	585	624	452
25	1,910	1,330	672	328	334	372	238	77	294	587	620	449
26	1,890	1,410	648	320	443	362	225	72	307	577	608	464
27	1,830	1,366	616	306	497	362	210	67	317	607	616	473
28	1,760	1,480	586	289	521	375	200	67	322	555	600	497
29	1,670	1,510	565	287	-----	408	183	61	317	535	632	534
30	1,610	1,470	540	291	-----	437	179	53	311	512	644	620
31	1,570	-----	527	269	-----	443	-----	55	-----	503	652	-----
TOTAL	75,680	35,806	29,925	11,519	8,446	13,693	9,648	1,433	5,002	13,488	18,529	16,084
MEAN	2,441	1,154	965	372	302	442	322	111	167	435	598	536
MAX	3,400	1,510	1,450	518	521	548	458	180	322	587	668	652
MIN	1,570	775	527	269	246	353	179	53	47	277	484	449
CFSM	1.83	.90	.73	.28	.23	.33	.24	.08	.13	.33	.45	.40
IN.	2.11	1.00	.84	.32	.24	.38	.27	.10	.14	.38	.52	.45

CAL YR 1964 TOTAL 496,977 MEAN 966 MAX 7,080 MIN 98 CFSM 1.02 IN 13.69  
 MAY YR 1965 TOTAL 241,253 MEAN 1,358 MAX 3,400 MIN 47 CFSM 1.50 IN 8.74

## 2-2325 St Johns River near Christmas, Fla

Location --Lat 28°32'35", long 80°56'40", in SW 1/4 sec 29, T 22 S, R 34 E, on left bank about 15 ft downstream from bridge on State Highway 50, 1 1/2 miles downstream from Tootoosahatchee Creek, 2 miles upstream from Lake Cone, and 4 1/2 miles east of Christmas, Orange County

Drainage area --1,512 sq mi (revised)

Records available --October 1933 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 1 62 ft above mean sea level, datum of 1929 Prior to July 23, 1934, staff gage and July 23, 1934, to Sept 30, 1963, graphic water-stage recorder at same site and datum

Average discharge --32 years, 1,374 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Date	Maximum		Minimum		
		Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 20, 1961	a 2,440	b 10 77	June 20, 1961	e 97	1 78
1962	July 22, 1962	c 772	d 7 19	May 31, June 1, 1962	e 15	1 72
1963	Oct 7, 1962	3,320	7 24	June 26, 1963	168	1 85
1964	Sept 15, 1964	6,930	9 48	July 22, 1964	127	1 61
1965	Dec 5, 1964	f 1,580	g 8 06	June 4, 1965	40	.98

a Maximum peak discharge, maximum discharge during year, 10,800 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960, stage falling

c Maximum independent peak discharge, maximum discharge during year, 3,420 cfs Sept 30, 1962, occurred on peak preceding higher peak of Oct 7, 1962

d Occurred Sept 30, 1962

e Minimum observed

f Maximum peak discharge, maximum discharge during year, 4,800 cfs Oct 1, 1964, stage falling

g Occurred Oct 1, 1964, stage falling

1933-65 Maximum discharge, 11,700 cfs Oct 12, 1953, maximum gage height, 10 81 ft

Sept 28, 1960, no flow Mar 22-27, Apr 19, June 12, 13, 1939, minimum gage height, 0 48 ft June 19, 1945

Remarks --Records fair Records do not include diversions through Ellis Canal from St Johns River Marsh into Indian River Records of chemical analyses for the water years 1961-65 and of water temperatures for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10,700	5,440	2,180	866	794	473	350	226	147	195	305	1,160
2	10,400	5,290	2,110	846	782	460	352	233	144	202	300	1,080
3	10,300	5,170	2,060	814	771	450	338	239	140	216	321	994
4	9,990	5,060	2,040	775	760	435	320	238	137	236	320	905
5	9,760	4,910	1,990	752	745	427	308	236	133	244	308	834
6	9,490	4,750	1,930	715	734	423	295	236	132	251	301	767
7	9,340	4,580	1,880	698	755	417	292	234	132	263	292	704
8	9,450	4,470	1,840	680	779	402	292	233	129	274	285	637
9	9,490	4,370	1,780	677	779	376	290	232	126	285	279	578
10	9,520	4,250	1,730	667	752	359	290	236	126	303	273	523
11	9,490	4,120	1,670	654	730	333	292	236	127	331	263	473
12	9,450	3,960	1,590	641	715	325	282	227	123	331	256	433
13	9,310	3,870	1,520	708	704	336	277	221	120	326	248	402
14	9,170	3,770	1,510	854	694	380	276	216	118	320	242	382
15	8,950	3,710	1,470	932	684	382	268	210	120	314	239	367
16	8,700	3,600	1,390	962	670	367	266	204	116	309	250	350
17	8,480	3,480	1,370	1,000	657	360	266	200	111	306	271	932
18	8,260	3,400	1,320	1,050	644	360	262	195	106	308	290	1,720
19	8,030	3,260	1,270	1,070	631	371	260	189	99	357	316	2,310
20	7,750	3,170	1,230	1,050	629	402	296	185	98	454	318	2,400
21	7,510	3,060	1,180	1,040	612	404	254	182	100	456	336	2,180
22	7,260	2,990	1,150	1,040	600	402	252	175	106	441	417	1,970
23	7,080	2,900	1,110	1,020	590	393	254	167	111	423	425	1,740
24	6,840	2,790	1,080	987	587	384	254	161	118	406	409	1,560
25	6,670	2,690	1,046	962	550	376	254	157	127	389	406	1,400
26	6,490	2,620	1,000	938	533	367	254	160	147	371	435	1,260
27	6,260	2,560	968	905	503	360	250	165	155	357	437	1,130
28	6,070	2,490	938	880	480	357	245	164	171	348	533	1,020
29	5,880	2,420	920	862	-----	354	236	160	181	335	956	926
30	5,720	2,310	905	834	-----	350	228	157	186	323	1,180	858
31	5,600	-----	890	818	-----	348	-----	151	-----	311	1,220	-----
TOTAL	257,390	111,460	43,061	26,697	18,857	11,933	8,313	6,225	3,886	9,985	12,431	9,995
MEAN	8,303	3,575	1,356	861	673	385	277	201	130	322	401	1,067
MAX	10,700	5,440	2,180	1,070	794	473	352	239	186	456	1,220	2,400
MIN	5,600	2,310	890	641	480	325	228	151	98	195	239	350
CFSM	5.49	2.46	.96	.57	.45	.25	.18	.13	.09	.21	.27	.71
IN.	6.33	2.74	1.11	.66	.46	.29	.20	.15	.10	.25	.31	.79
CAL YR 1960	TOTAL	1,254,850	MEAN	3,426	MAX	10,900	MIN	78	CFSM	2.27	IN	30.84
WAT YR 1961	TOTAL	544,233	MEAN	1,491	MAX	10,700	MIN	78	CFSM	2.99	IN	13.39

## ST JOHNS RIVER BASIN

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2-2325 St Johns River near Christmas, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	806	250	107	62	56	71	87	43	15	256	322	1,640
2	748	240	104	67	56	65	87	41	16	230	307	1,680
3	698	232	101	63	56	60	78	37	30	191	296	1,690
4	647	224	99	64	56	53	71	36	32	156	300	1,670
5	615	230	97	69	56	48	66	34	26	132	316	1,640
6	584	245	96	74	56	42	70	33	24	114	369	1,620
7	550	260	95	81	54	37	73	32	20	106	437	1,580
8	518	257	91	79	50	29	76	31	22	108	728	1,590
9	492	246	89	75	54	36	73	30	20	129	894	1,690
10	469	233	88	72	135	44	71	30	26	157	972	1,690
11	448	222	91	75	158	48	69	30	30	176	996	1,710
12	433	215	90	75	139	50	69	30	26	191	976	1,710
13	423	210	90	70	124	52	70	28	26	197	930	1,770
14	441	210	88	70	119	50	63	26	37	258	878	1,830
15	454	209	84	73	115	51	57	28	53	314	825	1,830
16	445	204	83	77	110	86	53	28	47	318	840	1,820
17	423	197	81	77	108	108	50	24	39	302	964	1,800
18	398	192	81	73	106	101	48	22	34	335	972	1,820
19	380	182	84	71	103	91	48	20	28	512	976	1,880
20	357	172	82	71	100	84	48	20	24	625	1,020	2,000
21	336	165	76	71	93	82	47	19	30	716	1,120	2,140
22	320	157	72	69	87	80	46	20	30	768	1,230	2,250
23	306	154	71	70	86	94	46	20	42	756	1,360	2,400
24	293	155	70	71	83	128	43	16	50	697	1,470	2,660
25	284	150	65	71	81	129	43	22	52	637	1,570	2,810
26	271	140	61	70	77	126	43	20	57	564	1,660	2,890
27	265	132	62	70	76	118	46	24	59	506	1,690	2,940
28	258	128	63	69	74	102	44	24	54	460	1,690	2,940
29	260	121	62	63	-----	95	47	18	80	404	1,690	2,940
30	260	112	57	54	-----	94	48	16	238	357	1,670	3,060
31	258	-----	57	54	-----	92	-----	15	-----	336	1,660	-----
TOTAL	13,440	5,840	2,537	2,170	2,468	2,346	1,780	813	1,267	11,008	31,128	61,690
MEAN	434	185	81.8	70.0	78.3	75.4	55.4	26.2	39.5	355	1,004	2,056
MAX	806	260	107	81	158	129	87	43	238	768	1,690	3,060
MIN	258	112	57	54	50	29	43	15	15	106	296	1,580
CFSM	.29	.13	.05	.05	.06	.05	.04	.02	.03	.23	.66	1.36
IN.	.33	.14	.06	.05	.06	.06	.04	.02	.03	.27	.77	1.52
CAL YR 1961	TOTAL	152,139	MEAN	417	MAX	2,400	MIN	57	CFSM	.28	IN	3.74
WAT YR 1962	TOTAL	136,487	MEAN	374	MAX	3,060	MIN	15	CFSM	.25	IN	3.36

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,230	1,920	920	621	580	1,590	1,230	437	247	245	544	366
2	3,210	1,860	900	594	542	1,680	1,180	440	245	222	562	344
3	3,160	1,830	880	570	550	1,880	1,130	435	238	205	621	327
4	3,120	1,770	856	552	578	2,150	1,090	430	231	198	651	318
5	3,080	1,710	838	537	602	2,240	1,040	417	230	194	648	314
6	3,280	1,860	809	522	618	2,180	1,000	403	228	192	626	306
7	3,310	1,800	805	512	615	2,150	975	388	225	194	596	300
8	3,280	1,800	785	507	610	2,100	948	377	220	195	567	292
9	3,230	1,710	757	500	596	2,070	895	366	212	198	637	281
10	3,160	1,720	744	485	591	2,080	852	355	212	198	657	271
11	3,100	1,700	735	476	580	2,100	817	346	212	201	659	263
12	3,040	1,670	714	469	825	2,060	782	338	208	240	678	258
13	2,960	1,610	698	464	1,180	2,010	760	329	201	258	678	254
14	2,920	1,570	692	459	1,440	2,000	729	314	190	278	651	250
15	2,860	1,530	678	461	1,510	1,940	700	304	180	310	607	244
16	2,800	1,470	668	459	1,470	1,940	681	288	176	366	578	238
17	2,720	1,420	654	464	1,430	1,880	657	274	176	394	552	239
18	2,660	1,360	648	459	1,410	1,850	632	260	174	394	532	239
19	2,620	1,330	640	457	1,400	1,800	613	251	167	390	510	250
20	2,580	1,300	632	454	1,420	1,720	594	240	161	381	483	287
21	2,520	1,260	621	473	1,430	1,670	578	230	154	390	471	336
22	2,470	1,210	610	497	1,370	1,650	560	226	146	440	497	393
23	2,440	1,190	602	510	1,340	1,620	542	222	140	461	497	567
24	2,350	1,160	594	578	1,300	1,560	527	228	136	471	485	1,110
25	2,310	1,130	599	605	1,260	1,520	512	222	132	505	481	2,060
26	2,250	1,080	651	618	1,310	1,470	490	217	134	530	471	2,720
27	2,180	1,030	642	645	1,440	1,430	481	215	146	544	452	2,990
28	2,140	1,000	656	648	1,550	1,400	464	217	179	544	433	2,990
29	2,070	981	687	640	-----	1,350	449	217	249	540	414	2,860
30	2,010	953	659	618	-----	1,310	433	220	260	527	405	2,730
31	1,960	-----	643	594	-----	1,270	-----	236	-----	524	390	-----
TOTAL	85,000	43,334	22,109	16,448	29,567	55,670	22,341	9,442	5,809	10,729	17,023	24,397
MEAN	2,792	1,444	713	531	952	1,796	745	305	194	346	543	783
MAX	3,310	1,920	920	648	1,550	2,240	1,230	440	260	544	678	2,990
MIN	1,960	953	594	454	550	1,270	433	215	132	192	390	238
CFSM	1.81	.96	.47	.35	.70	1.19	.49	.20	.13	.23	.36	.54
IN.	2.09	1.07	.54	.40	.73	1.37	.55	.23	.14	.26	.42	.60
CAL YR 1962	TOTAL	265,113	MEAN	726	MAX	3,310	MIN	15	CFSM	.48	IN	6.52
WAT YR 1963	TOTAL	341,869	MEAN	937	MAX	3,310	MIN	132	CFSM	.62	IN	8.41

## 2-2325 St Johns River near Christmas, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,660	1,460	2,790	1,900	2,090	2,060	926	372	234	196	192	5,320
2	2,600	1,400	2,790	1,900	2,050	2,300	900	396	228	198	177	5,150
3	2,480	1,390	2,770	1,870	2,030	1,980	872	407	225	215	165	5,130
4	2,430	1,370	2,720	1,860	2,030	1,970	844	392	227	212	153	5,030
5	2,370	1,370	2,690	1,800	2,060	1,900	828	378	230	210	150	4,950
6	2,290	1,390	2,630	1,780	2,140	1,850	812	366	231	211	151	4,880
7	2,230	1,380	2,600	1,780	2,300	1,810	776	360	233	204	163	4,800
8	2,190	1,340	2,530	1,760	2,440	1,770	751	356	224	196	166	4,650
9	2,140	1,320	2,480	1,780	2,570	1,730	730	350	214	190	174	4,580
10	2,110	2,000	2,450	1,750	2,580	1,670	706	338	210	183	166	4,170
11	2,090	2,310	2,410	1,770	2,550	1,630	676	326	205	178	171	7,400
12	2,050	2,260	2,360	2,030	2,500	1,580	646	312	203	174	203	8,090
13	2,030	2,330	2,330	2,270	2,470	1,550	622	301	200	167	219	8,480
14	1,990	2,220	2,270	2,250	2,410	1,500	592	314	197	161	250	8,760
15	1,960	2,220	2,220	2,660	2,360	1,440	568	342	192	156	299	8,860
16	1,940	2,170	2,170	2,630	2,500	1,400	548	357	187	161	334	8,860
17	1,920	2,190	2,190	2,610	2,470	1,350	528	357	189	163	366	8,720
18	1,900	2,220	2,120	2,600	2,270	1,380	500	348	183	162	394	8,480
19	1,870	2,090	2,090	2,570	2,300	1,330	478	342	179	154	468	8,210
20	1,850	2,060	2,060	2,510	2,310	1,270	467	336	174	144	622	7,940
21	1,810	2,000	2,470	2,470	2,310	1,220	444	326	167	135	848	7,730
22	1,770	2,010	1,980	2,410	2,270	1,170	428	315	162	144	1,110	7,460
23	1,750	2,000	1,970	2,340	2,270	1,140	410	306	159	193	1,310	7,130
24	1,700	1,980	1,980	2,300	2,270	1,100	392	296	155	178	1,380	6,740
25	1,710	1,980	1,980	2,230	2,200	1,060	378	286	155	171	1,440	6,410
26	1,680	1,940	1,940	2,170	2,170	1,020	366	277	155	203	1,410	6,140
27	1,630	1,960	1,960	2,150	2,160	1,010	352	269	165	250	1,510	5,850
28	1,610	1,930	1,930	2,200	2,100	1,020	374	261	168	246	3,380	5,550
29	1,560	1,900	1,900	2,190	2,090	1,040	392	254	180	242	5,100	5,280
30	1,520	1,880	1,880	2,160	2,000	1,000	376	246	195	228	5,480	4,960
31	1,500	1,840	2,140	2,140	2,000	968	242	242	242	212	5,480	
TOTAL	61,320	76,310	70,190	67,140	65,880	45,006	17,674	10,113	5,822	5,843	33,431	197,730
MEAN	1,978	2,454	2,264	2,166	2,127	1,452	569	326	194	188	1,078	6,591
MAX	2,660	4,380	2,790	2,660	2,500	2,060	926	407	234	250	5,480	8,860
MIN	1,500	1,340	1,860	1,750	2,030	1,350	467	336	174	144	1,110	4,580
CFSM	1.31	1.68	1.50	1.43	1.50	.96	.39	.22	.13	.12	.71	4.36
IN.	1.51	1.88	1.73	1.65	1.62	1.11	.44	.25	.14	.14	.82	4.86
CAL YR 1963	TOTAL 395,246	MEAN 1,094	MAX 4,380	MIN 132	CFSM .72	IN 9.82						
WAT YR 1964	TOTAL 656,461	MEAN 1,794	MAX 8,860	MIN 135	CFSM 1.19	IN 16.15						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,680	1,560	1,530	508	308	398	859	190	60	425	647	622
2	4,400	1,220	1,550	547	299	694	810	184	55	434	637	624
3	4,200	1,460	1,510	528	295	694	753	160	50	502	615	625
4	3,980	1,430	1,510	516	286	699	701	174	53	533	597	610
5	3,760	1,380	1,550	494	280	679	657	168	66	539	575	588
6	3,580	1,340	1,540	474	280	646	613	162	61	610	557	565
7	3,550	1,300	1,500	459	433	623	572	157	59	633	552	546
8	3,720	1,260	1,440	446	563	583	539	151	61	641	555	539
9	4,100	1,210	1,390	431	549	564	504	147	71	675	602	522
10	4,020	1,170	1,350	418	515	539	477	141	71	691	726	503
11	3,840	1,130	1,300	406	486	527	455	145	101	761	765	495
12	3,600	1,100	1,260	393	463	508	429	128	179	824	796	486
13	3,400	1,060	1,220	378	442	527	410	124	168	807	792	474
14	3,350	1,030	1,160	366	421	644	388	115	150	802	779	463
15	3,170	1,000	1,110	418	399	682	366	111	143	788	767	451
16	3,000	967	1,070	462	379	667	344	108	147	794	762	440
17	2,880	928	1,020	462	360	672	332	107	165	841	749	439
18	2,800	901	968	448	347	638	315	102	250	969	733	436
19	2,660	875	932	433	335	601	303	99	338	1,090	724	427
20	2,510	846	894	425	322	564	293	94	358	1,150	711	418
21	2,430	817	863	421	311	527	287	92	353	1,150	704	412
22	2,330	782	830	419	305	501	284	88	343	1,100	685	404
23	2,190	762	798	414	362	472	285	86	338	1,030	667	409
24	2,100	916	765	407	561	453	270	81	347	965	647	403
25	2,020	1,130	738	401	624	439	259	75	382	909	626	396
26	1,970	1,320	716	390	677	422	246	71	426	865	602	392
27	1,890	1,450	693	376	692	425	242	64	444	818	580	392
28	1,820	1,510	672	360	696	532	231	63	458	771	565	416
29	1,740	1,550	646	340	640	753	218	62	459	730	590	436
30	1,690	1,540	617	326	620	889	200	67	445	701	609	507
31	1,630	-----	589	314	-----	904	-----	69	-----	670	620	-----
TOTAL	94,010	35,244	33,731	13,240	11,990	18,786	12,642	3,599	6,601	24,218	20,536	14,440
MEAN	3,000	1,175	1,088	427	388	606	402	116	210	782	652	461
MAX	4,680	1,560	1,550	548	696	904	859	190	459	1,150	796	625
MIN	1,630	762	589	314	280	422	200	62	50	425	552	392
CFSM	1.98	.78	.72	.28	.28	.40	.28	.08	.15	.52	.44	.32
IN.	2.29	.87	.83	.33	.29	.46	.31	.09	.16	.60	.51	.36
CAL YR 1964	TOTAL 610,626	MEAN 1,668	MAX 8,860	MIN 135	CFSM 1.32	IN 12.88						
WAT YR 1965	TOTAL 286,037	MEAN 789	MAX 9,080	MIN 50	CFSM 1.19	IN 12.88						

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	54	7.9	1.8	2.3	3.2	6.4	3.8	.80	.40	3.4	4.3	23
2	43	7.4	1.6	2.2	3.0	5.9	3.1	1.3	.30	2.8	8.8	18
3	36	6.1	1.6	2.0	3.4	5.4	2.3	1.3	.30	3.0	12	13
4	29	5.4	1.6	1.9	4.8	5.1	2.0	1.3	.20	5.1	11	10
5	24	4.9	1.6	1.8	4.5	4.7	1.9	1.1	.20	4.7	9.0	7.9
6	20	4.4	1.6	1.9	4.2	4.3	1.9	.90	.20	3.9	7.1	6.4
7	18	3.9	1.6	1.9	9.9	4.0	1.9	.80	.10	3.2	5.4	5.4
8	22	3.5	1.6	1.9	20	3.7	1.9	.70	.20	2.7	4.6	4.7
9	40	3.5	1.6	2.5	70	3.9	1.8	.70	.20	3.0	3.8	4.1
10	51	3.4	1.6	2.6	19	3.2	1.7	1.1	.30	4.0	3.1	3.8
11	43	3.2	1.8	2.3	13	3.0	1.6	1.1	.50	3.7	3.6	3.5
12	35	3.0	2.6	2.1	9.6	3.0	1.6	.90	.50	7.8	3.0	3.2
13	31	2.8	2.3	5.5	8.1	3.0	2.1	.80	.80	8.8	2.7	3.1
14	27	2.8	1.9	9.0	8.7	3.5	1.9	.70	.50	9.6	2.3	3.5
15	23	3.0	2.5	5.9	9.6	3.2	1.5	.60	.50	5.8	2.2	3.5
16	47	3.2	4.5	4.6	7.5	2.8	1.5	.60	.50	4.0	3.5	3.5
17	49	3.0	3.5	3.9	6.3	2.6	1.4	.50	.70	3.1	4.3	7.6
18	36	2.8	2.6	3.5	5.9	2.9	1.3	.50	.60	3.5	5.4	166
19	28	2.6	2.4	3.2	6.0	7.1	1.3	.50	.40	7.2	7.0	166
20	23	2.3	2.2	3.0	5.4	5.3	1.3	.40	.30	11	7.8	134
21	19	2.2	2.6	3.0	5.2	4.2	1.3	.40	.30	9.8	5.9	90
22	16	2.2	3.0	2.9	5.4	3.6	1.3	.30	.30	8.0	5.0	56
23	14	2.1	2.6	3.2	11	3.1	1.3	.30	.60	7.2	4.4	37
24	11	2.0	2.4	3.4	19	2.6	1.3	.30	1.3	7.6	4.0	28
25	9.9	2.0	2.3	3.2	12	2.4	1.2	.40	2.3	6.5	3.5	21
26	8.6	2.0	2.3	3.1	8.0	2.2	1.2	.30	4.0	5.3	5.2	15
27	7.7	2.1	2.2	3.2	9.5	2.0	1.1	.50	6.5	4.8	16	12
28	6.9	2.0	2.2	3.2	7.3	2.0	1.0	.50	7.5	5.2	18	9.5
29	6.1	2.0	2.2	3.6	-----	2.0	.90	.70	6.1	4.4	27	8.0
30	5.4	1.9	4.2	4.0	-----	2.3	.70	.80	4.3	3.7	28	7.0
31	5.7	-----	2.4	3.5	-----	2.6	-----	.50	-----	3.2	28	-----
TOTAL	789.3	99.6	68.9	100.3	249.5	112.0	49.20	21.40	40.90	166.0	255.9	942.1
MAX	54	7.9	4.5	9.0	20	7.1	3.8	1.3	7.5	11	28	166
MIN	5.4	1.9	1.6	1.8	3.0	2.0	.80	.30	.10	2.7	2.2	3.1
CFSM	1.08	.12	.08	.12	.13	.13	.06	.03	.05	.20	.16	.16
IN.	1.08	.14	.09	.14	.34	.15	.07	.03	.06	.23	.35	1.29
CAL YR 1960: TOTAL	28,819.0											
WAT YR 1961: TOTAL	2,895.10											
MEAN	51.4								1.90	25.83		

## 2-2332 Little Econlockhatchee River near Union Park, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.2	4.1	2.6	3.2	2.3	3.3	4.2	1.3	1.6	2.6	59	72
2	5.5	3.8	2.6	3.3	2.3	3.2	4.0	1.3	1.4	1.6	51	42
3	5.0	3.6	2.6	3.0	2.3	3.1	3.7	1.1	1.2	1.3	58	32
4	4.3	3.4	2.6	2.8	2.2	3.1	3.3	1.0	1.0	1.0	75	26
5	4.7	4.6	2.5	2.6	2.3	3.0	3.0	1.0	.80	.80	72	30
6	4.6	7.9	2.4	3.1	2.4	2.7	3.0	.90	.70	.90	55	85
7	4.2	7.9	2.4	4.0	2.3	2.6	3.0	.70	.80	1.1	41	366
8	4.0	7.1	2.4	3.8	2.3	2.6	3.4	.60	.90	1.3	30	363
9	3.9	6.0	2.4	3.5	4.3	2.5	3.2	.60	1.2	2.5	26	252
10	3.6	5.4	2.4	3.3	37	2.3	2.8	.70	1.4	4.4	26	158
11	4.4	5.0	2.4	3.8	34	2.3	2.6	.70	1.2	3.2	21	99
12	6.6	4.8	2.4	4.6	21	2.3	2.2	.90	1.1	3.0	18	64
13	9.2	4.6	2.6	4.6	16	2.2	2.0	.90	1.2	3.3	14	47
14	14	4.4	2.6	4.3	13	2.1	1.7	.80	1.3	7.6	12	38
15	15	4.2	2.5	4.2	11	2.4	1.7	.70	1.1	9.5	10	58
16	12	3.8	2.4	4.0	9.4	7.3	1.6	.60	1.1	7.6	8.6	56
17	10	3.7	2.4	3.8	8.4	8.1	1.5	.50	1.1	6.0	7.9	46
18	8.6	3.5	2.3	3.5	7.4	6.3	1.3	.50	1.0	8.0	8.1	39
19	7.5	3.4	4.3	3.4	6.8	5.3	1.2	.50	.90	10	8.1	41
20	6.7	3.2	5.3	3.3	6.2	4.7	1.2	.30	.90	14	9.4	72
21	5.9	3.2	4.2	3.2	5.5	4.3	1.1	.50	.90	14	11	146
22	5.3	3.1	3.5	3.2	5.3	3.9	1.0	.50	1.0	14	13	134
23	4.9	3.1	3.2	3.1	5.0	6.5	1.0	.60	1.3	14	13	201
24	4.6	3.5	3.0	3.0	4.7	9.0	.90	.50	1.3	11	15	333
25	4.3	3.3	2.8	2.9	4.4	8.4	.90	.50	1.2	8.6	23	267
26	4.1	3.1	2.7	2.8	4.2	8.0	1.0	.50	1.1	6.7	36	186
27	3.8	3.0	2.7	2.8	3.8	7.3	1.0	.40	1.3	8.1	32	136
28	3.8	2.9	2.7	2.8	3.5	6.5	1.0	.50	1.1	20	44	98
29	5.0	4.8	2.6	2.6	-----	5.6	1.0	.60	1.0	64	75	65
30	5.0	2.7	2.4	2.4	-----	5.0	1.1	.50	2.0	92	66	50
31	4.6	-----	2.5	2.4	-----	4.6	-----	.80	-----	80	52	-----
TOTAL	191.3	125.1	86.4	103.3	229.3	140.5	60.60	21.50	34.10	428.10	990.1	3,602
MEAN	6.17	4.17	2.79	3.33	8.19	4.53	2.02	.69	1.14	13.8	31.9	120
MAX	15	7.9	5.3	4.6	37	9.0	4.2	1.3	2.0	98	75	366
MIN	3.6	2.7	2.3	2.4	2.2	2.1	.90	.30	.70	.80	7.9	26
CFSM	.23	.15	.10	.12	.30	.17	.07	.03	.04	.51	1.18	4.43
IN.	.26	.17	.12	.14	.31	.19	.08	.03	.05	.59	1.36	4.94
CAL YR 1961	TOTAL 2,340.10			MEAN 6.41		MAX 166	MIN .10	CFSM .24	IN 3.21			
WAT YR 1962	TOTAL 6,012.30			MEAN 16.5		MAX 366	MIN .30	CFSM .61	IN 8.25			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	44	5.7	6.2	6.0	14	42	4.2	2.4	2.9	19	8.9	9.4
2	67	5.1	5.9	5.5	13	44	4.0	2.9	2.5	16	11	8.2
3	35	4.4	5.5	5.1	14	70	3.7	3.0	2.1	20	11	7.1
4	28	4.3	5.1	4.8	19	86	3.5	3.4	1.9	23	8.7	6.2
5	24	3.9	4.8	4.6	25	79	3.4	2.7	1.8	18	7.8	5.8
6	21	3.6	4.9	4.8	25	67	3.1	2.2	1.9	15	6.4	5.4
7	19	3.4	4.7	5.6	24	52	5.0	2.1	1.9	14	5.3	6.0
8	16	4.2	4.6	5.2	21	42	5.2	2.2	1.9	13	4.6	9.4
9	14	22	4.5	4.8	19	37	4.6	1.9	1.9	12	4.1	9.6
10	13	31	4.2	4.5	17	67	3.9	1.7	1.8	13	3.7	8.5
11	11	25	4.1	4.4	15	55	3.4	1.6	1.7	16	3.4	7.9
12	9.9	22	4.0	4.5	63	42	3.1	1.5	1.5	18	3.5	14
13	8.9	22	3.8	4.5	80	36	4.1	1.5	1.6	24	5.0	15
14	8.0	21	3.7	4.3	58	32	4.8	1.4	1.6	22	6.1	12
15	7.2	19	3.7	4.6	46	28	3.9	1.3	1.3	20	6.3	10
16	6.6	16	3.7	4.6	38	25	3.3	1.3	1.1	17	7.2	9.2
17	6.3	14	3.7	4.9	40	22	2.8	1.2	1.1	14	16	8.6
18	6.3	13	3.7	4.8	36	20	2.6	1.1	1.1	14	38	8.1
19	5.7	11	3.5	4.6	36	17	2.4	1.0	1.0	12	59	10
20	5.1	11	3.5	4.4	42	15	2.4	1.0	1.1	9.9	59	11
21	4.7	10	3.5	6.7	34	13	2.2	1.0	.90	8.9	83	12
22	4.8	11	3.7	7.0	31	10	2.1	1.0	.90	11	69	11
23	5.2	9.6	3.7	8.9	27	8.9	2.0	1.0	1.0	11	50	44
24	4.6	8.6	3.7	18	25	8.0	1.9	1.0	1.7	10	35	196
25	4.1	8.0	4.2	19	23	7.3	1.9	1.0	4.6	11	29	285
26	3.8	7.5	8.5	18	31	6.6	2.1	1.1	6.4	8.2	24	478
27	3.6	7.0	9.4	21	70	6.1	2.0	2.8	8.0	6.5	21	375
28	3.4	6.6	8.5	21	53	5.8	1.8	6.5	16	5.5	19	213
29	3.4	6.3	7.6	19	-----	5.2	1.7	5.6	17	5.6	16	148
30	3.4	6.3	7.2	17	-----	4.9	1.6	4.2	22	6.4	14	96
31	3.9	-----	6.5	15	-----	4.6	-----	3.6	-----	5.8	11	-----
TOTAL	400.9	342.5	154.3	267.1	939	958.4	92.7	68.2	112.20	419.8	646.0	2,039.4
MEAN	12.9	11.4	4.96	8.22	33.5	30.9	3.09	2.20	3.74	13.5	20.8	68.0
MAX	67	31	9.4	21	80	86	5.2	8.5	22	24	83	478
MIN	3.4	3.4	3.5	4.3	13	4.6	1.6	1.0	.90	5.5	3.4	5.4
CFSM	.48	.42	.18	.32	1.24	1.14	.11	.08	.14	.50	.77	2.51
IN.	.55	.47	.21	.37	1.29	1.32	.13	.09	.15	.58	.89	2.80
CAL YR 1962	TOTAL 6,507.20			MEAN 17.8		MAX 366	MIN .30	CFSM .66	IN 8.93			
WAT YR 1963.	TOTAL 6,440.50			MEAN 17.6		MAX 478	MIN .30	CFSM .65	IN 8.84			

## 2-2332 Little Econlockhatchee River near Union Park, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	72	3.5	26	29	29	21	42	13	1.0	9.5	20	102
2	56	3.7	23	28	26	20	33	19	1.0	23	24	147
3	45	3.3	22	25	25	18	28	14	1.0	24	20	284
4	36	3.1	21	24	31	17	24	14	1.0	16	13	188
5	32	5.9	19	22	50	16	20	12	1.0	13	8.8	122
6	28	11	18	21	81	14	17	8.6	1.6	9.4	13	84
7	25	10	17	24	72	13	14	7.0	1.6	6.6	61	61
8	23	8.6	16	27	108	17	12	5.7	1.2	5.7	80	47
9	20	7.0	15	26	100	11	10	4.7	1.0	4.4	71	70
10	18	183	14	26	71	10	8.8	3.8	1.0	3.3	46	614
11	16	327	13	25	60	8.9	7.4	3.4	1.4	2.8	73	734
12	14	245	12	182	47	8.3	6.3	3.1	1.5	2.9	165	446
13	12	158	12	302	40	7.9	5.7	2.7	1.5	2.5	140	352
14	11	98	12	206	36	7.4	5.1	3.0	1.2	2.1	98	248
15	9.6	67	17	128	33	6.9	4.6	3.1	1.0	1.7	88	175
16	8.9	52	17	82	31	6.4	4.1	2.9	.90	2.0	67	142
17	8.8	42	18	88	29	17	3.7	2.6	.80	3.4	50	92
18	8.2	30	18	132	31	7.2	2.3	2.3	.40	4.6	40	70
19	7.8	32	19	102	55	20	3.0	2.0	1.3	3.8	40	55
20	7.6	29	17	78	44	19	2.8	1.8	1.9	3.1	56	44
21	6.7	26	16	60	34	18	2.4	1.6	1.2	2.4	96	37
22	6.0	24	16	49	33	15	2.3	1.4	1.0	2.7	269	32
23	5.7	22	16	42	31	13	2.1	1.4	1.2	6.7	192	28
24	5.9	20	28	43	27	11	2.2	1.4	1.2	15	118	24
25	5.5	20	31	40	26	9.2	2.4	1.3	1.2	23	80	27
26	4.9	28	29	38	24	9.6	2.3	1.2	1.2	49	57	20
27	4.6	30	27	34	22	16	2.6	1.0	1.2	60	78	18
28	4.3	30	26	39	23	42	8.9	1.0	1.6	42	509	16
29	4.0	30	25	38	23	118	16	90	8.7	34	432	14
30	3.7	29	24	34	-----	84	13	60	4.4	27	260	13
31	3.4	-----	26	31	-----	59	-----	.80	-----	22	162	-----
TOTAL	513.6	1,584.1	610	2,025	1,255	673.6	309.0	145.50	46.80	427.6	3,426.8	4,301
MEAN	16.6	52.8	19.7	65.3	40.3	21.6	10.3	4.69	1.55	13.8	111	143
MAX	72	327	31	302	108	118	42	19	8.7	60	509	734
MIN	3.4	3.1	1.2	21	22	6.4	2.1	.80	.80	1.7	8.8	13
CFSM	6.1	1.95	.73	2.41	1.60	80	.38	.17	.06	.51	4.08	5.29
IN.	.70	2.17	.84	2.78	1.72	92	.42	.20	.06	.59	4.70	5.90
CAL YR 1963	TOTAL	4,250.50	MEAN	22.6	MAX	478	MIN	90	LFSM	.83	IN	11.32
WAT YR 1964	TOTAL	15,314.80	MEAN	41.8	MAX	734	MIN	80	CFSM	1.54	IN	21.02

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	4.4	2.6	2.8	3.7	28	31	4.2	1.8	3.4	16	29
2	12	4.3	2.4	2.7	3.7	24	23	2.6	1.4	2.8	17	25
3	12	4.4	2.3	2.6	3.6	24	18	2.4	1.3	7.5	19	21
4	12	4.3	2.6	2.6	3.4	23	14	2.3	1.3	28	33	18
5	11	3.9	6.2	2.6	3.4	20	11	2.1	1.3	28	121	14
6	9.8	3.8	8.9	2.4	3.4	17	9.2	2.1	1.0	57	101	12
7	9.2	3.6	7.6	2.4	5.7	15	7.9	2.0	1.1	39	135	12
8	14	3.4	6.1	2.3	6.3	13	7.0	1.8	3.7	35	261	11
9	25	3.2	5.4	2.3	5.9	12	6.4	1.9	5.7	100	139	9.9
10	22	3.1	5.1	2.2	5.2	10	6.0	1.8	3.8	55	97	8.9
11	19	3.0	4.9	2.2	4.7	9.0	5.5	1.6	4.3	74	165	7.9
12	16	3.0	4.7	2.3	4.4	8.2	5.0	1.6	4.4	102	137	7.1
13	14	2.9	4.5	2.2	4.0	17	4.7	1.6	4.1	104	91	6.7
14	16	2.8	4.5	2.2	3.9	34	4.5	1.6	3.7	115	61	6.1
15	18	2.8	4.9	9.0	3.8	39	4.2	1.5	3.7	91	46	7.9
16	16	2.8	4.7	11	3.6	37	4.0	1.3	3.5	79	43	7.6
17	14	2.8	4.4	8.2	3.4	33	3.4	1.3	3.7	80	42	8.9
18	11	2.8	4.2	6.6	3.7	29	3.6	1.3	4.1	80	35	10
19	9.4	2.6	3.9	5.9	3.2	23	3.2	1.3	4.1	73	29	8.8
20	8.3	2.6	3.8	5.7	3.0	20	3.2	1.4	3.3	127	72	7.4
21	7.4	2.6	3.5	5.4	2.8	19	3.2	1.3	2.7	110	157	6.7
22	6.7	2.6	3.4	5.2	2.7	17	3.2	1.3	2.5	86	98	5.7
23	6.1	2.6	3.4	5.1	14	16	3.1	1.3	3.4	60	66	5.1
24	5.6	2.6	3.3	5.3	47	14	2.9	1.1	13	43	47	4.6
25	5.4	2.6	3.1	5.6	53	13	2.9	1.1	13	33	37	4.4
26	6.0	2.4	3.1	5.3	43	11	2.9	1.1	8.4	27	30	4.8
27	5.7	2.2	3.1	5.0	37	9.6	4.0	1.0	6.6	22	25	6.4
28	5.5	2.2	3.1	4.4	32	8.9	4.9	.90	5.8	18	21	15
29	5.2	2.0	2.9	4.0	-----	7.9	4.0	1.0	5.0	16	23	16
30	4.8	3.1	2.9	3.8	-----	11	3.5	2.3	4.4	15	20	20
31	4.5	-----	2.8	3.9	-----	35	-----	2.3	-----	15	26	-----
TOTAL	343.6	92.2	128.3	133.2	314.0	597.6	209.8	51.50	126.1	1,725.7	2,210	327.9
MEAN	11.1	3.07	4.16	4.30	11.2	19.3	6.99	1.66	4.20	55.7	71.3	10.9
MAX	25	6.9	8.9	11	53	39	11	3.2	13	127	261	29
MIN	4.5	2.2	2.3	2.2	2.7	7.9	2.9	.90	1.0	2.8	16	4.4
CFSM	4.1	.11	.15	.16	.41	.71	.26	.06	.16	2.05	2.63	.40
IN.	.47	.13	.18	.18	.43	.82	.29	.07	.17	2.37	3.03	.45
CAL YR 1964	TOTAL	13,171.20	MEAN	36.0	MAX	734	MIN	.80	CFSM	1.33	IN	18.08
WAT YR 1965	TOTAL	6,259.90	MEAN	17.2	MAX	261	MIN	.90	CFSM	.63	IN	8.59





## 2-2835 Econlockhatchee River near Chuluota, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	151	60	44	39	41	41	60	35	21	25	204	448	
2	132	59	43	40	41	40	55	34	21	26	225	378	
3	116	57	42	42	40	39	52	32	22	32	252	330	
4	105	56	42	43	40	39	50	31	23	34	273	313	
5	94	55	41	44	39	38	47	29	25	31	301	308	
6	91	55	40	43	39	36	44	28	26	26	320	274	
7	87	63	40	43	40	34	42	27	25	23	263	252	
8	84	73	39	45	43	34	41	26	26	26	256	451	
9	79	74	39	47	44	33	41	25	25	36	394	816	
10	76	72	39	47	47	33	41	25	25	31	474	1,170	
11	72	67	38	47	68	32	41	25	25	34	407	1,360	
12	73	63	37	48	96	32	39	25	25	47	311	1,230	
13	77	60	37	52	115	32	38	23	25	55	254	953	
14	93	58	38	55	117	31	36	23	25	52	204	725	
15	147	57	39	55	100	32	34	23	26	49	169	640	
16	162	57	39	53	87	42	31	21	26	62	216	596	
17	146	55	39	52	78	58	28	21	26	65	370	540	
18	125	54	39	50	71	82	27	21	25	62	427	499	
19	110	52	39	49	65	83	26	20	25	58	370	526	
20	101	51	40	48	60	75	26	20	24	80	369	1,040	
21	93	49	48	47	57	70	25	20	24	131	353	1,610	
22	87	48	52	46	54	66	24	19	25	144	314	1,810	
23	80	48	50	46	52	66	24	18	26	127	287	1,530	
24	74	48	48	45	50	73	23	19	27	102	299	1,250	
25	70	48	46	44	48	88	22	19	30	82	393	1,140	
26	67	48	43	44	46	93	23	19	30	69	458	1,280	
27	64	48	42	44	43	95	26	19	28	63	474	1,370	
28	62	46	40	44	42	92	26	19	27	86	464	1,250	
29	61	46	40	42	-----	84	32	19	26	131	423	1,040	
30	60	45	40	42	-----	75	34	19	26	141	410	823	
31	60	-----	39	41	-----	66	-----	19	-----	173	459	-----	
TOTAL	2,899	1,672	1,282	1,427	1,663	1,734	1,058	723	760	2,103	10,393	25,952	
MEAN	93.5	55.7	41.4	46.0	59.4	55.9	35.3	23.3	25.3	67.8	335	865	
MAX	162	74	52	55	117	95	60	35	30	173	474	1,810	
MIN	60	45	37	39	39	31	22	18	21	23	169	252	
CFSM	.39	.23	.17	.19	.25	.23	.15	.10	.11	.28	1.39	3.59	
IN.	.45	.26	.20	.22	.26	.27	.16	.11	.12	.32	1.60	4.00	
CAL YR 1961	TOTAL 47,299			MEAN 130		MAX 3,930		MIN 20		CFSM .54		IN 7.30	
MAT YR 1962	TOTAL 51,666			MEAN 142		MAX 1,810		MIN 18		CFSM .59		IN 7.37	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	745	70	83	118	227	650	79	28	46	333	134	127	
2	660	78	82	108	202	713	73	28	47	215	121	108	
3	696	83	81	98	184	765	69	32	45	159	93	118	
4	795	80	76	92	183	767	64	35	39	143	80	73	
5	844	73	73	87	218	848	59	35	36	149	101	70	
6	761	68	70	82	267	976	55	35	33	145	93	72	
7	643	65	68	82	310	925	59	33	32	125	82	80	
8	507	63	64	84	322	774	78	31	32	107	73	76	
9	403	107	65	85	300	628	99	33	32	94	66	70	
10	330	259	62	82	264	589	89	34	32	95	69	67	
11	285	312	61	78	232	592	75	32	32	101	70	63	
12	254	289	60	75	367	619	64	31	32	106	66	59	
13	221	268	58	73	525	600	57	29	32	119	66	56	
14	196	252	58	74	727	534	52	28	31	135	65	58	
15	175	229	57	72	997	458	47	28	30	166	69	64	
16	157	207	57	73	959	389	44	27	30	206	92	63	
17	145	188	57	76	793	330	42	27	29	234	120	59	
18	138	171	57	77	647	289	41	27	28	236	177	61	
19	136	154	57	77	573	255	39	26	27	225	260	89	
20	127	141	57	76	555	226	38	26	27	218	336	84	
21	116	132	57	74	541	200	36	24	27	196	357	94	
22	105	124	56	77	548	180	34	23	28	170	414	103	
23	100	115	56	95	512	159	32	23	27	154	419	569	
24	98	108	54	231	442	144	31	22	27	154	367	1,720	
25	97	102	56	314	378	131	31	23	28	161	321	2,850	
26	90	98	92	321	350	119	30	25	38	162	285	3,420	
27	81	92	153	330	414	110	29	27	79	161	249	3,520	
28	76	89	174	328	501	101	29	29	141	159	212	3,340	
29	71	86	156	314	-----	94	28	35	360	157	181	2,710	
30	67	84	139	290	-----	88	27	42	452	155	162	1,980	
31	65	-----	128	257	-----	83	-----	45	-----	148	146	-----	
TOTAL	9,184	4,187	2,426	4,300	12,538	13,336	1,530	923	1,879	5,088	5,402	21,808	
MEAN	296	140	78.3	139	448	430	51.0	29.8	62.6	164	174	727	
MAX	844	312	174	330	997	976	99	45	452	333	419	3,520	
MIN	65	63	54	72	183	83	25	22	27	94	65	56	
CFSM	1.23	.98	.32	.58	1.86	1.79	.71	.12	.26	.68	.72	3.02	
IN.	1.42	.65	.37	.66	1.93	2.06	.24	.14	.29	.79	.83	3.37	
CAL YR 1962	TOTAL 61,610			MEAN 169		MAX 1,810		MIN 18		CFSM .70		IN 9.51	
MAT YR 1963	TOTAL 82,601			MEAN 226		MAX 3,520		MIN 22		CFSM .94		IN 12.75	

## 2-2385 Eeonlockhatchee River near Chuluota, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,540	59	620	280	410	261	705	119	27	248	332	2,700
2	1,230	58	566	293	361	254	548	137	25	289	269	2,230
3	948	57	538	302	323	238	416	177	24	364	245	1,950
4	709	53	500	300	310	222	326	149	24	570	254	1,830
5	534	55	448	283	336	210	270	176	25	618	256	1,770
6	419	66	402	260	468	195	230	148	31	512	227	1,630
7	337	89	359	241	661	184	202	172	56	414	242	1,400
8	290	101	326	245	902	175	177	110	70	318	512	1,150
9	245	99	293	256	1,030	163	158	102	61	247	1,140	980
10	217	233	268	274	1,110	153	145	93	50	198	1,400	1,560
11	201	690	246	283	1,100	142	133	84	44	162	1,390	3,210
12	188	1,710	226	596	133	122	122	39	138	1,590	5,290	
13	165	2,650	209	1,010	797	125	110	63	36	120	2,030	4,940
14	152	2,330	190	1,580	643	121	101	57	34	109	2,270	3,840
15	141	1,860	188	1,930	524	116	95	54	31	100	1,860	3,040
16	132	1,560	190	1,640	452	112	89	60	28	93	1,450	2,340
17	125	1,420	193	1,370	398	124	83	60	27	94	1,120	1,840
18	120	1,130	198	1,220	364	172	77	54	29	115	829	1,490
19	115	968	203	1,700	413	203	71	50	28	136	631	1,240
20	110	832	201	1,270	444	203	65	47	31	134	610	1,040
21	105	696	195	1,160	549	188	59	44	31	113	722	875
22	97	579	188	1,010	568	172	56	42	29	114	1,080	741
23	94	491	180	848	499	154	54	39	26	144	1,230	625
24	89	415	207	706	432	141	51	37	24	202	1,170	533
25	86	367	256	608	377	130	48	34	26	282	1,010	462
26	85	409	297	536	332	119	46	32	29	394	833	402
27	80	513	324	480	303	122	45	31	42	583	725	349
28	76	502	325	472	265	233	49	30	46	773	1,580	304
29	71	608	311	476	269	552	71	29	65	841	3,320	269
30	68	658	287	469	-----	710	105	28	150	690	4,600	737
31	62	-----	272	452	-----	788	-----	28	-----	472	3,770	-----
TOTAL	8,831	21,156	9,202	22,010	15,624	6,815	4,707	2,350	1,186	9,589	38,697	50,267
MEAN	285	705	297	710	539	220	157	75.8	39.5	309	1,248	1,676
MAX	1,540	2,650	620	1,930	1,110	768	705	189	150	841	4,600	5,290
MIN	62	53	180	241	265	112	45	24	93	227	237	237
CFSM	1.18	2.93	1.23	2.95	2.24	91	.65	.31	.16	1.28	5.18	6.95
IN.	1.36	3.26	1.42	3.40	2.41	1.05	.73	.36	.18	1.48	5.97	7.76
CAL YR 1963-	TOTAL 105,993			MEAN 290	MAX 3,520	MIN 22	CFSM 1.20		IN 16.36			
WAT YR 1964-	TOTAL 190,434			MEAN 520	MAX 5,290	MIN 24	CFSM 2.16		IN 29.39			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	209	74	50	45	50	304	191	31	28	43	325	300
2	188	73	49	45	49	268	211	30	28	40	277	350
3	195	72	46	44	48	237	196	30	27	38	259	300
4	195	71	44	44	48	211	161	29	26	40	346	260
5	183	69	55	44	47	193	132	28	26	47	508	220
6	192	68	87	44	47	177	108	28	25	62	695	190
7	167	65	116	44	51	162	91	28	26	95	1,060	160
8	141	62	111	43	58	148	79	26	26	131	1,290	140
9	167	59	94	42	72	134	70	24	27	191	1,240	120
10	214	56	81	41	81	123	63	26	28	231	1,140	110
11	245	54	72	40	83	113	58	26	34	339	990	100
12	236	53	66	38	80	103	53	27	35	453	1,010	90
13	221	52	61	38	76	96	49	28	36	609	1,160	80
14	216	51	58	39	72	140	46	27	39	680	1,150	70
15	253	50	56	50	68	253	43	26	38	642	1,040	70
16	271	48	55	75	63	312	41	26	37	538	805	70
17	259	47	56	106	60	314	39	26	37	498	550	80
18	232	47	55	108	58	274	38	25	39	562	500	90
19	199	47	55	95	56	229	37	25	39	592	400	100
20	169	46	52	84	54	200	35	25	42	610	500	93
21	145	45	49	76	52	181	34	25	42	820	600	89
22	126	44	48	71	51	165	34	25	39	1,160	800	82
23	116	44	48	67	60	149	34	25	35	1,250	1,000	76
24	104	44	47	64	187	136	34	25	41	1,160	800	70
25	98	45	47	62	302	123	34	24	50	970	600	68
26	94	46	46	60	350	111	33	24	71	912	500	65
27	86	45	45	59	366	100	32	25	65	650	450	64
28	83	47	44	57	341	98	32	25	57	538	400	68
29	81	56	45	55	-----	100	31	25	51	560	350	73
30	79	54	46	53	-----	99	31	25	46	534	300	100
31	76	-----	46	51	-----	134	-----	26	-----	424	300	-----
TOTAL	5,240	1,634	1,830	1,784	2,930	5,387	2,070	815	1,140	15,419	21,345	3,748
MEAN	169	54.5	59.0	57.5	105	174	69.0	26.3	38.0	497	689	125
MAX	271	74	116	108	366	314	211	31	71	1,250	1,290	350
MIN	76	46	44	38	47	96	31	24	25	38	259	64
CFSM	.70	.23	.24	.24	.43	.72	.29	.11	.16	2.06	2.86	.52
IN.	.81	.25	.28	.28	.45	.83	.32	.13	.18	2.38	3.29	.58
CAL YR 1964-	TOTAL 159,949			MEAN 117	MAX 5,290	MIN 24	CFSM 1.91		IN 24.99			
WAT YR 1965-	TOTAL 63,442			MEAN 174	MAX 5,290	MIN 24	CFSM 1.72		IN 24.99			

Note --No gage-height record Aug 18 to Sept 19

Location --Lat 28°50'46", long 81°04'46", in NW¼ sec 13, T 19 S , R 32 E , on downstream side of bridge on county road, 400 ft upstream from Florida East Coast Railroad bridge, 3 2 miles upstream from Cow Creek, 5 0 miles upstream from mouth, 5 0 miles east of Osteen, Volusia County, and 5 6 miles downstream from Lake Ashby

Extremes --Maximum daily discharge during year, 630 cfs July 9, maximum gage height at base gage, 7.50 ft (estimated) Oct 1, backwater from St Johns River, minimum daily discharge, 0.4 cfs June 5-7, minimum gage height at base gage, 0.60 ft June 5-7

Remarks --Records fair except those for periods Oct 1 to Feb 21, July 7-12, which are poor. Creek is subject to backwater from the St Johns River. Some diversion through Deep Creek diversion canal through overflow at high water and interconnection of drainage canals. Discharge figures herein represent combined flow of Deep Creek and Deep Creek diversion canal. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey.

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	360	45	26	30	21	85	54	7.5	1.0	9.3	122	43		
2	340	46	25	30	23	83	49	7.3	.80	43	117	38		
3	320	42	25	29	30	79	45	6.9	.60	121	124	34		
4	300	40	25	33	28	85	42	6.5	.80	69	131	30		
5	290	39	32	33	25	85	38	6.2	.40	49	161	27		
6	267	39	47	30	26	81	35	5.8	.40	38	129	24		
7	265	37	47	29	35	75	33	5.5	.40	70	123	23		
8	265	36	47	26	48	67	31	5.2	.90	510	141	22		
9	265	34	46	25	54	60	29	5.0	2.4	630	158	24		
10	260	32	44	23	44	55	26	4.8	1.3	450	292	25		
11	250	32	44	22	42	51	24	4.5	1.4	340	426	24		
12	230	31	42	22	37	51	21	4.2	2.0	280	336	23		
13	220	31	40	21	33	51	19	4.0	3.8	152	263	22		
14	220	30	38	21	32	73	18	4.0	4.5	281	218	21		
15	210	29	37	27	32	72	16	3.9	3.5	289	184	21		
16	200	28	35	44	30	67	16	3.6	4.8	273	167	21		
17	200	28	33	44	28	61	14	3.0	5.6	257	147	20		
18	180	28	32	41	27	56	14	3.0	5.4	207	135	21		
19	170	28	30	39	25	57	12	2.7	5.0	156	121	18		
20	150	27	29	36	23	73	12	2.4	4.5	223	122	17		
21	137	25	28	33	21	83	11	2.1	4.4	377	112	16		
22	128	25	26	32	20	66	11	2.0	4.0	368	105	15		
23	115	25	25	30	32	61	10	1.8	17	281	96	15		
24	100	26	24	29	80	56	10	1.8	34	213	85	14		
25	91	26	23	30	106	52	9.6	1.8	66	173	98	14		
26	85	24	22	28	105	47	9.8	1.5	52	190	89	16		
27	75	24	24	28	98	44	9.6	1.6	41	198	79	20		
28	69	24	31	26	93	48	8.8	1.5	26	184	70	22		
29	60	24	32	22	87	32	8.2	1.2	18	166	65	23		
30	55	28	32	23	-----	76	7.9	3.2	13	147	54	34		
31	50	-----	31	23	-----	64	-----	1.9	-----	135	48	-----		
TOTAL	5,927	936	1,022	911	1,190	2,043	643.9	117.1	340.90	6,879.3	4,515	487		
1964	191	31.2	33.0	29.4	52.5	65.9	21.5	3.78	11.4	222	146	22.9		
MAX	320	46	47	44	106	85	54	7.5	66	630	426	43		
MIN	50	24	22	21	20	44	7.9	1.2	.40	9.3	48	14		
CFSM	1.59	.26	.27	.24	.35	.55	.18	.03	.09	1.85	1.21	.19		
IN.	1.84	.29	.32	.28	.37	.63	.20	.04	.11	2.13	1.40	.21		
CAL YR	1964	TOTAL	25,212.20	MEAN	69.1	MAX	630	NIN	NIN	-40	CFSM	-58	IN	7.81

## 2-2350 Wekiva River near Sanford, Fla

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

Records available --October 1931 to September 1935 (discharge measurements only), October 1935 to September 1965

Gage --Digital water-stage recorder Datum of gage is 4.68 ft above mean sea level, datum of 1929 Prior to Nov 6, 1935, reference point at same site Nov 6, 1935, to Jan 18, 1960, staff gage and Jan 19, 1960, to Jan 6, 1964, graphic water-stage recorder at same site and datum

Average discharge --30 years (1935-65), 278 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 4, 1961	a 757	b 5.39	Aug 23, 1961	206	c 2.48
1962	Sept 22, 1962	707	3.67	July 5, 6, 1962	190	d 2.34
1963	Sept 27, 1963	1,060	4.07	Sept 10, 11, 1963	209	e 2.46
1964	Sept 13, 1964	1,650	5.27	Oct 14, 1963	182	f 2.45
1965	Aug 22, 1965	592	f 3.42	May 20, 21, 1965	174	g 2.19

a Maximum peak discharge, maximum discharge during year, 1,470 cfs Oct 1, 1960, stage falling, peak occurred Sept 30, 1960

b Occurred Oct 1, 1960

c Occurred Sept 27-30, 1961

d Occurred Mar 10, 11, 12, 13, 14, 1962

e Occurred July 30, 1963

f Occurred July 15, 1965

g Occurred Nov 10, 1964

1935-65 Maximum discharge observed, 2,060 cfs Sept 17, 1945, maximum gage height, 6.09 ft Sept 12, 1960, minimum discharge observed, 105 cfs June 5-13, 1939, minimum gage height, 2.19 ft Nov 10, 1964

Remarks --Records fair except those for periods of shifting control, which are poor Flow includes large ground-water inflow Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,430	495	380	435	548	318	294	314	262	302	230	275
2	1,290	485	375	445	515	310	290	322	262	302	239	275
3	1,160	465	370	445	564	302	286	330	266	293	239	262
4	1,040	450	365	445	721	294	286	330	266	288	234	248
5	938	435	356	445	703	286	286	326	266	284	234	244
6	850	420	356	445	620	278	282	326	266	298	234	239
7	775	405	356	450	586	274	286	322	274	293	223	239
8	720	395	356	455	635	266	286	314	278	275	223	239
9	725	385	352	475	620	250	294	322	282	275	223	252
10	775	385	352	490	570	246	294	342	278	275	230	252
11	780	385	395	485	520	243	294	338	278	275	226	252
12	750	385	430	490	475	243	298	322	278	280	223	248
13	730	385	430	520	424	240	314	318	278	270	216	252
14	695	385	415	576	379	240	314	310	278	270	212	252
15	665	390	405	581	350	232	318	302	282	280	212	248
16	665	390	450	570	346	232	318	310	290	266	244	248
17	655	390	465	554	338	236	322	306	302	252	293	270
18	625	395	455	542	342	246	322	290	302	252	298	338
19	600	395	440	537	348	298	322	282	298	275	288	316
20	575	390	425	542	442	362	322	270	306	316	266	302
21	545	390	410	537	438	392	318	266	302	298	230	284
22	525	385	410	532	424	384	318	262	302	306	220	270
23	505	380	405	526	410	370	314	262	298	320	212	266
24	490	380	405	532	406	350	314	266	306	284	212	252
25	470	380	395	532	388	334	314	266	293	266	212	248
26	456	380	395	537	370	318	318	270	298	252	223	244
27	451	380	390	532	354	302	322	266	311	248	262	244
28	446	380	395	532	334	290	322	266	320	244	257	239
29	442	380	400	554	-----	282	322	262	338	239	334	239
30	438	380	410	564	-----	278	318	254	320	234	302	248
31	451	-----	420	559	-----	286	-----	258	-----	230	288	-----
TOTAL	21,662	12,025	12,363	15,864	13,260	8,982	9,208	9,194	8,680	8,542	7,539	7,785
MEAN	699	401	399	512	474	290	307	297	289	276	243	260
MAX	1,430	495	465	581	721	392	322	342	338	320	334	338
MIN	438	380	352	435	334	232	282	254	262	230	212	239
CAL YR 1960	TOTAL 183,069											
MEAN	500											
MAX	1,430											
MIN	212											

Note --Shifting control used Mar 1 to May 29, June 23 to July 22, Aug 30 to Sept 30

2-2350 Wekiva River near Sanford, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	234	223	226	230	216	212	212	234	223	232	232	228
2	230	220	226	226	220	212	216	223	220	228	232	226
3	230	220	226	226	220	216	216	220	220	210	228	219
4	230	220	226	226	216	212	212	220	212	202	228	228
5	230	226	230	226	220	212	212	216	216	194	232	241
6	226	239	230	230	220	212	209	270	210	194	228	237
7	226	234	230	234	216	209	212	223	215	202	219	255
8	226	230	226	234	216	206	220	216	219	202	219	259
9	226	226	226	230	220	202	216	216	237	198	219	264
10	226	223	223	226	226	202	216	216	232	202	241	250
11	234	223	223	234	223	202	212	226	212	202	273	237
12	244	226	223	244	220	202	212	230	250	202	273	228
13	244	226	230	234	216	202	212	223	232	237	273	228
14	298	226	230	230	216	202	212	223	232	255	278	237
15	288	230	223	230	216	209	212	220	250	246	278	241
16	262	230	226	226	216	244	212	216	250	259	259	237
17	248	230	223	226	223	234	212	220	246	241	259	232
18	239	226	223	230	212	220	212	223	241	224	259	232
19	234	230	248	223	212	212	217	223	237	232	259	264
20	226	230	257	220	212	212	216	220	273	291	273	310
21	220	234	244	223	212	212	216	220	250	301	291	550
22	220	234	234	226	212	209	220	223	232	282	268	689
23	216	230	230	226	212	230	216	226	232	255	264	611
24	212	234	223	226	212	239	216	223	228	237	305	561
25	216	230	223	226	212	223	216	220	215	224	287	517
26	216	230	220	226	209	223	220	220	206	228	273	415
27	220	230	223	226	209	220	220	216	210	219	259	324
28	220	230	216	223	209	216	216	226	206	228	241	278
29	226	226	220	223	-----	212	239	239	215	228	237	246
30	226	226	226	223	-----	212	248	257	215	228	224	232
31	223	-----	226	220	-----	212	-----	239	-----	219	224	-----
TOTAL	7,216	6,842	7,060	7,053	6,043	6,642	6,492	6,937	6,856	7,102	7,835	9,274
MEAN	233	228	228	228	216	214	216	224	229	233	253	309
MAX	298	239	257	244	226	244	248	257	273	301	305	689
MIN	212	220	216	220	209	202	209	216	206	194	219	219
CAL YR 1961	TOTAL	110,172		MEAN 302	MAX 721	MIN 212						
WAT YR 1962	TOTAL	85,352		MEAN 234	MAX 689	MIN 194						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	226	266	257	270	302	410	226	244	252	288	280	234
2	244	252	262	266	293	400	226	248	248	275	270	226
3	270	244	248	262	284	500	226	239	302	252	223	223
4	266	244	248	257	334	520	223	244	234	356	252	223
5	293	239	248	252	352	515	223	214	230	347	244	220
6	342	234	248	257	334	465	223	230	239	324	239	220
7	338	248	248	266	320	410	226	230	234	293	234	216
8	320	244	248	266	306	356	275	230	234	275	230	212
9	293	252	248	262	288	347	257	230	234	275	239	212
10	288	252	244	257	280	425	244	226	234	334	239	212
11	302	244	244	257	275	420	244	223	230	356	239	212
12	298	244	252	257	500	385	244	223	230	342	239	216
13	293	257	252	252	649	356	239	223	230	342	248	216
14	284	252	248	257	598	334	230	223	230	365	248	216
15	280	248	248	262	485	311	226	216	230	356	234	230
16	275	244	248	262	410	298	226	223	226	347	234	234
17	275	244	248	262	385	288	226	220	226	495	248	244
18	275	239	252	257	356	284	226	220	226	548	288	248
19	266	239	252	257	347	270	223	220	234	510	293	252
20	262	239	257	252	365	266	223	220	234	430	302	280
21	257	244	257	266	347	252	223	223	234	356	298	302
22	262	288	252	280	324	248	223	234	266	324	288	298
23	275	284	252	293	302	239	223	266	248	306	266	500
24	262	266	252	400	288	234	223	248	284	298	266	841
25	257	262	266	400	288	230	226	230	306	298	262	966
26	252	257	316	400	329	230	234	239	334	284	257	1,040
27	252	257	320	420	475	230	230	288	311	270	248	1,060
28	252	257	306	405	460	230	230	288	298	262	239	966
29	252	257	293	370	-----	230	226	266	293	252	234	793
30	248	257	280	338	-----	226	226	262	298	248	230	608
31	266	-----	270	316	-----	226	-----	252	-----	252	226	-----
TOTAL	8,525	7,554	8,054	9,078	10,276	10,135	6,978	7,362	7,546	10,310	7,866	11,920
MEAN	275	252	260	293	327	327	233	237	252	333	254	397
MAX	342	288	320	420	649	520	284	288	334	548	302	1,060
MIN	226	234	244	252	275	226	223	216	226	248	226	212
CAL YR 1962	TOTAL	88,367		MEAN 242	MAX 689	MIN 194						
WAT YR 1963	TOTAL	105,604		MEAN 289	MAX 1,060	MIN 212						

## ST JOHNS RIVER BASIN

2-2350 Wekiva River near Sanford, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	451	190	376	278	356	319	797	310	241	282	215	331
2	352	198	337	268	337	314	707	390	232	342	210	310
3	291	198	314	264	328	305	617	410	228	314	224	390
4	246	198	291	259	361	296	539	376	259	296	206	405
5	228	224	282	259	410	291	473	352	314	282	219	378
6	215	246	264	250	479	291	425	324	278	268	232	342
7	206	232	255	282	506	287	390	305	259	250	246	314
8	202	224	246	313	617	282	366	287	250	241	273	287
9	198	215	241	339	665	278	352	273	255	228	224	296
10	194	356	232	351	647	268	337	264	246	228	228	749
11	190	484	232	344	589	264	333	259	250	224	250	1,240
12	190	490	224	765	534	268	319	259	250	228	282	1,222
13	186	425	224	1,090	479	273	314	250	250	228	264	1,570
14	186	361	224	1,060	425	268	305	255	241	215	246	1,360
15	186	319	250	958	395	259	324	259	241	210	246	1,220
16	190	291	255	833	376	259	305	259	246	215	228	1,100
17	190	273	255	791	356	361	301	246	246	246	215	1,000
18	194	264	259	785	371	440	287	241	259	255	210	900
19	194	255	255	731	501	415	287	237	310	237	206	850
20	198	250	250	683	523	395	282	237	314	224	210	800
21	194	250	241	623	484	371	278	232	282	219	224	750
22	194	246	241	550	446	347	268	232	259	219	347	700
23	198	246	241	501	415	324	268	228	255	219	328	650
24	198	241	291	457	380	310	264	232	259	237	282	600
25	198	264	301	420	356	291	264	228	255	255	268	550
26	198	380	291	410	337	296	259	224	259	268	268	600
27	198	468	278	390	324	352	259	219	282	287	255	550
28	198	456	273	410	333	647	296	228	310	268	430	500
29	194	440	268	415	333	934	310	228	278	241	506	470
30	190	415	273	395	-----	952	291	228	264	219	451	450
31	190	-----	273	376	-----	884	-----	232	-----	219	380	-----
TOTAL	6,637	9,099	8,237	15,850	12,663	11,841	10,817	8,304	7,872	7,664	8,373	20,886
MEAN	214	303	266	511	437	382	361	268	262	247	270	696
MAX	451	490	376	1,090	665	952	797	410	314	342	506	1,570
MIN	186	190	224	250	324	259	259	219	228	210	206	287
CAL YR 1963:	TOTAL	105,444		MEAN 289		MAX 1,060	MIN 186					
WAT YR 1964:	TOTAL	128,243		MEAN 350		MAX 1,570	MIN 186					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	430	259	277	264	255	322	273	186	190	206	405	268
2	410	255	264	259	250	300	268	186	186	218	430	268
3	395	255	255	264	255	300	259	182	178	226	440	255
4	380	255	264	268	246	350	250	182	178	230	539	250
5	375	255	370	259	246	345	242	182	194	226	506	242
6	370	255	451	259	246	322	234	182	190	242	462	234
7	360	246	415	255	286	300	234	182	190	234	468	234
8	350	242	360	255	313	282	230	182	202	226	435	234
9	345	242	322	255	309	268	226	182	202	234	405	246
10	331	242	300	255	291	259	230	186	210	230	425	242
11	327	242	291	255	282	250	234	186	268	273	435	234
12	318	238	277	255	277	250	226	182	259	300	484	234
13	313	238	273	255	268	259	226	178	230	340	512	230
14	331	238	268	255	273	318	222	182	222	517	473	234
15	355	242	273	309	286	331	222	182	222	574	415	238
16	340	242	268	350	282	322	222	178	218	556	370	238
17	322	242	259	331	268	313	214	178	300	528	336	242
18	309	238	259	300	268	300	210	182	300	479	309	259
19	300	238	259	291	268	295	202	178	309	435	300	264
20	295	238	259	282	259	318	194	174	259	495	370	246
21	291	238	259	277	259	385	194	178	222	490	550	234
22	286	242	255	273	250	370	210	190	214	468	568	234
23	277	238	255	268	282	340	210	190	210	405	495	234
24	273	238	255	268	400	322	202	182	210	345	430	242
25	273	242	250	282	451	309	210	182	226	400	395	242
26	273	242	250	277	440	286	214	186	222	415	360	246
27	268	238	268	277	400	277	210	186	206	395	331	255
28	264	242	282	268	350	273	198	186	218	350	322	295
29	259	304	273	264	-----	273	194	190	214	322	309	295
30	259	295	268	259	-----	273	190	202	214	340	291	313
31	259	-----	264	255	-----	268	-----	202	-----	350	277	-----
TOTAL	9,938	7,421	8,843	8,444	8,260	9,380	6,650	5,706	6,663	11,049	12,847	7,486
MEAN	321	247	285	272	295	303	222	184	222	356	414	250
MAX	430	304	451	350	451	385	273	202	309	574	568	313
MIN	259	238	250	255	246	250	190	174	178	206	277	230
CAL YR 1964	TOTAL 130,472			MEAN 356	MAX 1,570	MIN 206						
MAY YR 1965:	TOTAL 102,687			MEAN 281								

## 2-2355 Blue Spring near Orange City, Fla

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

Records available --March 1932 to September 1965 (discharge measurements only)

Gage --Staff gage read only when discharge measurements are made Datum of gage is 0 74 ft below mean sea level, datum of 1929 (levels by Corps of Engineers)

Extremes --1932-65 Maximum discharge measured, 214 cfs Nov 1, 1960, minimum measured, 62 7 cfs Nov 6, 1935, but may be inaccurate owing to adverse measuring conditions and abnormal amount of backwater from St Johns River

Remarks --Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

Discharge measurements, in cubic feet per second, water years 1961-65

Nov 1, 1960	214	Oct 11, 1962	164	July 14, 1964	159
Dec 19	206	Nov 29	149	Sept 15	151
Feb 13, 1961	190	Jan 25, 1963	169		
Apr 10	180	Mar 14	152	Oct 28, 1964	193
May 29	166	May 9	148	Dec 7	176
July 26	174	June 19	156	Jan 18, 1965	174
Sept 18	189	Aug 1	151	Mar 16	175
		Sept 12	139	Apr 20	168
Nov 14, 1961	194			June 9	145
Jan 2, 1962	181	Oct 23, 1963	164	Aug 4	145
Feb 26	172	Dec 10	153	Sept 1	149
Apr 23	133	Feb 4, 1964	117		
June 18	144	Mar 27	165		
Aug 21	140	May 21	177		



2-2360 St Johns River near De Land, Fla

Location --Lat 29°00'39", long 81°23'21", in Domingo Fernandez Grant, T 17 S , R 29 E , Lake County, on left bank 0.4 mile downstream from Francis P. Whitehair Bridge on State Highway 44 and 5 miles west of De Land, Volusia County

Drainage area --3,120 sq mi (revised), approximately

Records available --October 1933 to September 1965 Monthly discharge only prior to February 1934, published in WSP 1304

Gage --Water-stage recorder. Datum of gage is 1.114 ft below mean sea level (levels by Corps of Engineers). Prior to May 28, 1936, staff gage at site of former Crows Bluff Bridge about 1,000 ft upstream at same datum Auxiliary water-stage recorder at St. Francis Landing, 3.3 miles downstream from Whitehair Bridge. Since Oct 1, 1959, water-stage recorder on St. Johns River near Sanford (see station 2-2345), 21.3 miles upstream from Whitehair Bridge used as an additional auxiliary gage for this station. Prior to Jan 16, 1943, an additional auxiliary water-stage recorder 1 mile upstream from Whitehair Bridge

Average discharge --32 years, 3,269 cfs

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 13, 1960	16,000	a 6.95	June 18, 1961	-1,260	b 0.90
1962	Aug 3, 1962	c 2,570	d 3.70	Mar 6, 1962	e -2,650	f 84
1963	Mar 12, 1963	6,000	g 4.38	May 25, 1963	-1,710	h 90
1964	Sept 18, 19, 1964	13,400	i 6.14	May 5, 1964	-2,320	j 80
1965	Mar 2, 15, 16, 1965	k 4,380	m 5.84	June 19, 1965	-662	n 78

a Occurred Oct 3, 1960 b Occurred Apr 27, 1961 c Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 5,050 cfs Sept 30, 1962, occurred on crest preceding higher crest of Oct 10, 1962 d Occurred Sept 30, 1962 e Estimated f Occurred Jan 8, 10, 1962 g Occurred Sept 28, 1963 h Occurred June 18, 1963 i Occurred Sept 23, 1964 j Occurred July 25, 1964 k Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 11,100 cfs Oct 1, 1964, occurred on recession following crest of Sept 18, 19, 1964 m Occurred Oct 1, 1964 n Occurred May 29, 1965

Note --Negative figures indicate reverse flow

1933-65 Maximum daily discharge, 17,100 cfs Oct 15, 1953, maximum gage height, 7.17 ft Oct 11, 12, 1953, maximum daily reverse flow, 3,030 cfs Aug '73, 1957, minimum gage height known since at least May 28, 1936, 0.52 ft Apr 2, 1945

Remarks --Records fair above 2,000 cfs and poor below Flow occasionally reversed as result of tide and wind effect Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15,300	12,400	7,150	3,660	2,120	3,920	1,830	1,250	914	844	784	2,600
2	15,400	12,100	6,470	3,450	2,310	3,440	1,590	949	974	965	1,030	2,920
3	15,500	11,800	5,950	3,320	2,140	2,850	1,770	1,010	1,210	1,210	1,210	3,110
4	15,500	11,600	5,880	2,870	1,840	2,480	1,390	954	1,270	1,390	1,270	3,220
5	15,600	11,600	5,920	3,110	1,900	2,380	1,620	954	1,330	1,440	1,570	3,290
6	15,600	11,300	6,090	3,300	2,100	2,130	2,000	894	1,260	1,500	1,740	3,290
7	15,600	10,900	6,020	3,290	2,050	2,000	1,280	954	1,260	1,490	1,730	3,100
8	15,600	10,800	6,070	3,270	1,860	2,000	1,400	1,250	1,260	1,550	1,670	2,980
9	15,700	10,800	6,110	2,910	1,990	1,150	1,460	1,240	1,250	1,480	1,490	2,860
10	15,900	10,800	5,970	2,220	2,500	1,580	1,040	890	949	1,250	1,190	2,860
11	15,900	10,600	5,700	2,100	2,870	2,220	1,400	949	1,010	898	954	2,730
12	15,900	10,500	5,280	2,100	3,050	2,100	1,520	874	954	1,020	1,070	2,540
13	16,000	10,600	4,880	2,290	3,240	1,740	1,270	854	1,010	1,150	1,070	2,350
14	15,900	10,100	5,110	2,290	3,290	1,390	1,570	779	890	1,200	1,070	2,350
15	15,700	9,960	5,180	2,220	3,220	1,270	1,680	659	1,010	1,440	659	2,280
16	15,700	9,840	4,910	2,340	3,100	1,210	965	659	1,240	1,490	-294	2,280
17	15,300	9,730	4,890	2,700	3,100	1,150	970	844	-204	1,420	426	1,650
18	15,200	9,540	4,940	2,810	2,960	792	1,270	844	-1,260	1,300	431	1,350
19	15,200	9,330	4,830	2,940	2,650	805	1,450	667	-1,240	1,190	-66	1,370
20	15,100	9,070	4,800	2,190	2,910	1,560	1,330	432	-641	1,370	-238	1,950
21	14,700	8,890	4,710	2,490	3,140	1,760	970	408	792	1,130	940	2,680
22	14,500	8,750	4,380	2,350	3,380	1,490	1,030	303	1,270	1,080	1,250	3,300
23	14,200	8,570	4,560	3,100	3,480	1,490	1,330	788	1,380	1,320	1,320	3,600
24	14,100	8,540	4,670	3,200	3,330	1,370	1,620	914	1,610	1,380	1,420	3,880
25	13,900	8,400	4,670	3,200	3,330	1,440	1,730	914	1,850	1,260	1,300	4,140
26	13,700	8,070	4,710	2,710	3,490	1,680	1,720	848	1,780	1,260	1,180	4,470
27	13,500	7,940	4,750	2,230	3,960	1,980	1,710	914	1,490	1,150	1,320	4,660
28	13,300	7,760	4,560	2,110	4,120	2,040	1,360	853	1,370	1,030	1,320	4,730
29	13,100	7,800	4,110	1,810	-----	2,090	949	796	958	1,150	1,590	4,600
30	12,800	7,590	3,850	1,760	-----	2,020	1,010	979	844	1,150	2,100	4,470
31	12,700	-----	3,720	1,890	-----	2,020	-----	1,040	-----	1,210	2,480	-----
TOTAL	462,100	295,300	160,860	82,430	79,630	57,347	42,434	26,425	27,790	38,717	35,094	91,510
MEAN	14,910	9,483	5,189	2,659	2,644	1,850	1,414	852	926	1,249	1,132	3,050
MAX	16,000	12,400	7,150	3,660	4,120	3,920	2,000	1,250	1,850	1,550	2,480	4,730
MIN	12,700	7,590	3,720	1,760	1,840	792	949	303	-1,260	844	-294	1,350
CFSM	4.78	3.15	1.64	0.85	0.91	0.59	0.65	0.27	0.30	0.40	0.36	0.98
IN.	5.51	3.52	1.92	0.98	0.95	0.68	0.51	0.31	0.33	0.46	0.42	1.09
CAL YR 1960:	TOTAL 2,731,760	MEAN 7,464	MAX 16,000	MIN 60	CFSM 2.39	IN 32.56						
WAT YR 1961:	TOTAL 1,399,639	MEAN 3,835	MAX 16,000	MIN -1,260	CFSM 1.23	IN 16.68						

Note --Negative figures indicate reverse flow

2-2360 St Johns River near De Land, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,210	2,160	53	1,660	1,170	386	1,260	772	-164	-803	1,590	2,730
2	4,020	2,460	698	1,180	941	-1,140	662	206	-225	195	1,890	2,790
3	4,010	2,500	1,200	1,830	880	-2,280	603	-417	0	676	2,570	2,980
4	4,000	2,240	1,660	1,880	939	-2,310	402	-779	567	797	1,290	3,110
5	3,930	1,760	1,690	1,760	293	-2,330	908	-1,210	786	671	1,290	3,100
6	3,800	327	1,740	1,690	-281	-2,650	965	-973	1,150	329	1,480	3,160
7	3,470	58	1,730	1,690	-775	-1,200	662	-304	784	-192	1,170	3,040
8	3,400	223	1,420	1,510	-314	816	960	515	635	-798	1,170	3,180
9	3,200	-22	1,720	1,310	187	440	1,200	783	-276	-534	1,660	2,960
10	2,810	662	1,780	749	-415	283	1,310	900	-613	982	1,720	3,030
11	2,630	1,220	1,710	-1,190	-789	252	1,770	-93	-174	675	1,240	3,160
12	2,310	1,280	1,880	-1,320	-153	105	1,760	-203	793	797	1,190	3,280
13	2,250	1,400	1,390	65	971	430	762	20	970	605	1,000	3,410
14	2,310	1,710	1,150	784	788	1,190	763	344	785	1,220	1,380	3,410
15	1,860	1,890	788	784	968	1,370	1,280	141	785	1,400	1,760	3,350
16	1,860	1,950	-145	1,140	966	1,000	-59	70	-62	1,690	1,940	3,420
17	2,250	1,180	934	900	788	1,190	-914	558	968	1,230	2,490	3,420
18	2,300	1,750	1,090	783	547	1,750	763	-674	-796	1,590	1,940	3,480
19	2,100	1,370	1,270	362	669	1,920	645	-400	-52	792	2,060	2,740
20	2,030	672	1,090	151	342	2,030	762	306	244	920	2,130	3,830
21	2,090	-40	786	375	1,150	2,070	308	509	789	982	2,310	4,370
22	2,400	425	1,170	1,380	1,380	2,170	940	558	968	1,230	2,490	4,270
23	2,460	1,130	1,83	1,580	1,560	1,400	-23	578	785	1,590	2,550	4,440
24	2,260	512	-918	1,800	1,670	1,110	766	576	786	1,830	2,670	4,470
25	2,010	1,010	428	1,840	1,370	924	938	909	303	1,990	2,500	4,430
26	1,490	220	1,270	1,840	774	92	-150	1,260	424	1,860	2,260	4,510
27	1,240	431	1,390	1,820	478	984	-771	958	272	2,040	2,210	4,710
28	1,360	944	786	1,110	536	1,410	-317	539	-264	1,560	2,340	4,790
29	1,430	272	249	944	-----	1,830	-119	60	-551	1,090	2,600	4,910
30	1,490	-486	1,680	768	-----	1,700	347	-966	-986	673	2,730	5,050
31	1,930	-----	1,960	1,230	-----	1,860	-----	-1,160	-----	1,350	2,730	-----
TOTAL	78,910	33,029	32,367	32,295	16,640	16,802	18,415	1,911	6,871	28,697	59,800	109,530
MEAN	2,545	1,101	1,044	1,042	594	542	614	61.6	229	926	1,929	3,651
MAX	4,210	2,500	1,960	1,880	1,670	2,170	1,770	1,260	1,150	2,040	2,730	5,050
MIN	1,240	-486	-918	-1,320	-789	-2,650	-771	-1,210	-986	-803	1,000	2,730
CFSM	.82	.35	.33	.33	.19	.17	.20	.02	.07	.30	.62	1.17
IN%	94	.39	.39	.38	.20	.20	.22	.02	.08	.34	.71	1.31

CAL YR 1961 TOTAL 625,685 MEAN 1,714 MAX 4,730 MIN -1,260 CFSM .55 IN 7.46  
 WAT YR 1962 TOTAL 435,267 MEAN 1,193 MAX 5,050 MIN -2,650 CFSM .38 IN 5.19

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,060	4,320	-1,180	1,870	2,790	4,830	3,620	1,960	433	1,210	2,150	1,430
2	5,120	4,000	-626	1,930	2,850	4,950	3,610	1,900	-998	1,680	2,140	1,820
3	5,250	3,920	1,560	1,560	2,760	5,000	3,600	1,720	1,000	1,690	2,190	1,740
4	5,250	3,730	1,990	1,810	-1,020	5,520	3,710	1,330	1,620	2,010	2,010	1,820
5	5,250	3,600	2,370	2,000	-1,160	5,700	3,690	-181	1,920	1,800	1,840	1,370
6	5,310	3,600	1,710	1,930	195	5,810	3,380	1,210	2,150	1,380	1,890	1,560
7	5,440	3,590	2,810	1,380	1,630	5,810	2,980	1,210	2,260	1,500	1,770	1,250
8	5,490	3,710	3,250	5,850	5,850	5,850	2,370	1,810	1,680	1,680	1,540	440
9	5,610	3,770	3,350	1,890	2,460	5,740	2,990	1,330	2,420	1,920	1,360	-221
10	5,660	3,820	3,340	2,250	2,520	5,760	3,030	1,380	2,160	2,090	1,360	0
11	5,660	4,130	3,630	2,370	2,650	5,890	3,150	1,500	1,980	1,740	1,190	889
12	5,590	4,300	3,490	2,550	2,920	6,000	2,840	1,680	1,850	1,210	1,310	1,460
13	5,580	4,290	3,040	2,530	3,120	5,990	2,360	1,320	1,850	850	1,190	1,890
14	5,440	3,920	3,280	2,290	3,560	5,990	1,990	423	1,670	850	1,310	2,070
15	5,300	3,670	3,450	2,220	4,050	5,930	2,180	846	1,660	971	1,550	1,940
16	5,240	3,850	3,490	1,740	4,410	5,620	2,480	1,330	1,660	1,210	1,310	1,010
17	4,980	3,900	3,360	1,430	4,280	5,360	2,770	1,500	1,300	1,700	960	1,020
18	4,600	4,070	3,290	1,740	4,100	5,500	2,490	1,370	1,470	1,620	424	893
19	4,220	4,180	3,220	2,110	4,220	5,540	3,030	1,490	1,350	2,050	971	900
20	4,030	4,110	3,210	2,530	4,350	5,450	3,070	1,780	1,180	2,040	1,400	1,030
21	4,030	3,860	3,140	2,330	4,830	5,140	2,940	1,480	823	2,150	1,520	1,290
22	4,090	3,660	2,950	2,390	4,940	4,840	2,750	1,070	412	2,320	1,810	1,010
23	4,280	3,800	2,760	2,440	4,920	4,950	2,560	834	-413	2,320	1,830	1,900
24	4,270	3,840	2,640	2,040	4,800	4,770	2,380	-998	-1,190	1,790	1,830	2,010
25	4,200	3,720	2,520	2,340	4,740	4,690	2,150	-1,710	-1,320	1,740	1,890	2,110
26	4,180	3,220	2,220	2,600	4,560	4,560	1,730	-1,230	-963	1,500	2,020	2,430
27	4,170	2,420	1,860	2,540	4,400	4,550	1,500	-433	-963	1,560	1,720	3,070
28	4,220	1,930	2,110	1,930	4,640	4,480	1,800	680	843	1,560	1,110	3,700
29	4,280	1,490	2,240	2,130	-----	4,110	1,970	1,240	1,200	1,800	992	4,470
30	4,330	196	1,860	2,440	-----	3,750	2,130	1,600	1,210	1,790	1,370	5,170
31	4,390	-----	1,800	2,560	-----	3,570	-----	1,720	-----	1,850	1,730	-----
TOTAL	150,520	106,636	78,022	65,250	90,505	161,957	82,130	29,530	30,587	51,511	47,767	49,878
MEAN	4,855	3,555	2,517	2,105	3,232	5,224	2,738	953	1,020	1,662	1,541	1,663
MAX	5,660	4,320	3,630	2,600	4,940	6,000	3,710	1,960	2,420	2,320	2,190	5,170
MIN	4,030	1,930	-1,180	1,380	-1,020	3,570	1,500	-1,710	-1,380	850	424	-221
CFSM	1.56	1.16	.81	.67	1.04	1.67	.88	.31	.33	.53	.69	.53
IN%	1.79	1.27	.93	.78	1.08	1.93	.91	.35	.36	.61	.57	.59

CAL YR 1962 TOTAL 626,139 MEAN 1,715 MAX 5,660 MIN -2,650 CFSM .55 IN 7.46  
 WAT YR 1963 TOTAL 944,286 MEAN 2,587 MAX 6,000 MIN -1,710 CFSM .83 IN 11.26

Note --Negative figures indicate reverse flow

## ST JOHNS RIVER BASIN

2-2360 St Johns River near De Land, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,720	4,010	5,990	3,950	6,290	5,520	4,370	1,640	-580	-1,080	1,800	5,860
2	6,060	3,860	6,170	3,960	6,350	5,580	4,790	1,490	-442	-426	1,570	6,400
3	6,190	3,850	6,330	4,140	6,340	5,570	4,940	-1,380	823	1,510	1,330	7,080
4	6,390	3,970	6,320	4,440	6,350	5,560	4,920	-2,230	1,160	2,250	1,580	7,540
5	6,530	4,090	6,370	4,610	6,360	5,600	4,850	-2,320	886	2,480	1,520	8,030
6	6,450	4,070	6,300	4,840	6,160	5,590	4,610	-2,210	519	2,310	1,340	8,600
7	6,380	4,060	6,230	4,960	6,350	5,570	4,470	-1,620	-1,730	1,710	1,080	8,790
8	6,300	4,170	6,090	5,070	6,220	5,610	4,450	914	-1,560	1,540	1,110	8,710
9	6,210	4,280	6,070	5,120	6,480	5,650	4,380	1,770	-528	2,210	1,240	6,590
10	6,200	4,480	6,250	4,810	6,720	5,620	4,240	2,140	1,120	2,200	1,550	8,370
11	6,050	4,430	6,470	4,750	6,760	5,670	4,050	2,380	1,240	2,430	1,800	9,620
12	5,910	4,190	6,510	5,060	6,810	5,460	3,810	2,560	1,610	2,420	2,350	9,910
13	5,960	4,000	6,490	4,770	6,870	5,450	3,620	2,600	1,840	2,580	2,640	11,200
14	5,880	4,010	6,410	4,990	6,920	5,310	3,380	2,600	1,530	2,690	2,820	12,000
15	5,740	4,280	5,810	5,320	6,860	5,110	2,830	2,460	1,770	2,670	2,840	12,500
16	5,590	4,600	5,260	5,520	6,720	4,930	2,830	2,270	1,820	2,490	2,720	12,900
17	5,320	4,990	4,770	5,740	6,660	4,530	2,820	2,140	1,810	2,200	2,790	13,200
18	5,180	5,310	4,720	5,770	6,660	4,350	2,750	2,190	1,750	2,140	2,850	13,400
19	4,970	5,570	4,410	5,920	6,400	4,410	2,870	2,370	1,510	2,010	3,040	13,400
20	4,960	5,760	4,540	6,060	6,450	4,400	2,790	2,360	1,390	1,780	3,170	13,300
21	4,930	5,950	4,660	6,210	6,640	3,960	2,900	2,410	1,690	1,890	3,190	13,100
22	4,920	6,080	4,590	6,410	6,560	3,660	2,680	2,340	1,850	2,060	3,320	13,000
23	4,460	6,030	4,460	6,600	6,430	3,960	2,750	1,970	1,670	2,110	3,570	12,700
24	3,800	6,030	4,350	6,800	6,360	3,950	2,570	1,840	1,840	2,160	3,760	12,500
25	3,550	6,100	4,470	6,850	6,220	3,890	2,150	1,780	1,780	2,220	3,770	12,400
26	3,480	6,000	4,780	6,920	6,280	3,880	1,740	1,830	1,540	2,160	3,840	12,200
27	3,680	6,010	4,950	6,920	6,210	3,700	824	1,880	1,360	2,000	3,860	12,000
28	3,790	5,950	5,060	6,740	5,770	3,840	-1,810	2,060	999	2,070	3,350	11,800
29	3,780	5,630	4,990	6,620	5,590	3,990	-773	2,100	-780	1,960	4,140	11,600
30	3,840	5,810	4,750	6,490	6,490	3,880	1,360	2,150	-311	1,900	4,680	11,400
31	3,890	5,810	4,390	6,430	6,430	3,940	1,310	1,310	1,310	1,970	5,260	11,400
TOTAL	162,110	147,570	168,960	172,790	186,790	148,140	92,361	43,794	26,776	60,614	83,884	320,100
MEAN	5,229	4,919	5,450	5,574	6,441	4,779	3,079	1,413	893	1,955	2,706	10,670
MAX	6,530	6,190	6,510	6,920	6,870	6,450	4,940	2,600	1,840	2,980	3,570	13,400
MIN	3,480	3,850	4,350	5,950	5,590	3,660	-1,810	-2,320	-1,730	-1,080	1,080	5,860
CFSM	1.68	1.58	1.75	1.79	2.06	1.53	.99	.45	.29	.63	.87	3.42
IN.	1.93	1.76	2.01	2.06	2.23	1.77	1.10	.52	.32	.72	1.00	3.82
CAL YR 1964	TOTAL 1,087,748	MEAN 2,980	MAX 6,530	MIN -1,710	CFSM .96	IN 12-97						
WAT YR 1964	TOTAL 1,613,885	MEAN 4,410	MAX 13,400	MIN -2,320	CFSM 1.41	IN 19.24						

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11,100	6,010	2,570	2,680	2,450	4,290	698	1,490	652	1,490	3,610	2,920
2	10,900	5,110	1,040	2,670	2,090	4,380	1,220	1,490	-92	1,250	3,490	2,920
3	10,900	4,660	3,210	2,540	1,300	4,010	1,470	1,600	550	1,060	3,370	2,850
4	10,700	4,450	3,400	2,170	1,310	3,090	1,350	1,720	672	1,100	3,510	2,340
5	10,600	4,180	3,230	1,790	1,440	2,660	1,610	1,660	675	1,630	3,650	1,470
6	10,000	4,310	3,300	1,990	1,440	2,530	1,990	1,650	-402	2,010	3,520	1,750
7	9,250	4,500	3,430	1,790	1,510	3,020	2,110	1,710	682	2,190	3,400	1,000
8	9,090	4,610	3,490	1,920	1,570	2,830	2,350	1,640	1,880	2,500	3,340	1,010
9	8,870	4,800	3,550	2,110	2,070	3,260	2,280	1,520	1,240	2,880	3,530	1,150
10	8,690	4,840	3,740	2,410	2,190	3,240	2,390	1,210	1,300	2,950	3,660	1,280
11	8,530	4,880	3,920	2,340	2,180	3,350	2,270	1,210	1,420	3,070	3,800	1,740
12	8,440	4,930	3,910	2,090	2,240	3,280	1,960	1,150	1,540	3,320	4,000	2,060
13	8,270	5,050	3,960	1,900	2,050	2,920	1,950	912	1,660	3,260	4,260	2,190
14	8,340	5,080	3,890	1,650	1,060	2,380	1,890	1,160	1,960	3,390	4,320	2,240
15	8,110	5,130	3,260	1,790	365	2,270	1,770	1,040	2,010	3,520	4,380	2,370
16	7,930	4,970	3,450	925	577	2,390	1,510	794	1,890	3,840	4,380	2,490
17	7,830	4,860	3,390	596	964	2,450	1,450	794	1,170	3,960	4,300	2,360
18	8,160	4,860	3,190	1,990	711	2,510	1,640	1,100	-66	3,900	4,300	2,350
19	8,200	4,780	3,060	2,300	841	2,570	1,690	1,520	-662	3,980	4,170	2,480
20	7,950	4,750	2,670	2,420	1,360	2,320	1,690	1,630	332	4,180	4,230	2,340
21	7,850	4,480	2,870	2,300	1,230	1,520	1,560	1,620	1,200	3,890	4,040	2,140
22	7,900	4,020	2,990	2,420	1,360	2,040	1,450	1,260	1,450	3,340	3,850	2,010
23	7,860	3,830	2,990	2,600	2,010	2,290	1,450	903	1,750	2,980	3,980	1,950
24	7,700	3,440	3,170	2,590	2,260	2,470	1,700	785	2,000	3,110	3,840	1,680
25	7,470	3,240	3,280	2,700	1,620	2,770	2,060	906	2,180	3,430	3,960	1,490
26	7,310	3,230	3,400	2,920	2,590	2,930	1,870	906	2,240	3,750	3,950	1,560
27	7,230	3,540	3,140	2,610	3,650	2,800	1,560	1,260	2,050	4,060	3,820	1,560
28	7,060	3,600	3,010	2,300	4,060	2,490	1,490	1,380	1,620	4,240	3,680	855
29	6,830	3,540	2,940	2,480	-----	2,060	1,240	1,200	1,430	4,300	3,610	1,120
30	6,600	3,140	2,750	2,640	-----	2,000	1,430	751	1,430	4,170	3,490	1,130
31	6,580	-----	2,680	2,340	-----	1,780	-----	786	-----	3,860	3,110	-----
TOTAL	202,550	132,860	101,070	67,971	48,513	84,900	51,098	38,967	35,061	96,610	118,550	56,305
MEAN	6,469	4,286	3,260	2,161	1,533	2,739	1,629	1,257	1,169	3,116	3,824	1,877
MAX	11,100	6,010	3,960	2,920	4,060	4,380	2,390	1,720	2,240	4,300	4,380	2,920
MIN	6,580	3,140	2,570	596	365	1,520	698	756	-662	1,060	3,110	855
CFSM	2.71	1.42	1.04	.70	.58	.88	.55	.40	.37	1.00	1.23	.60
IN.	3.13	1.58	1.20	.81	.56	1.01	.61	.46	.42	1.15	1.41	.67
CAL YR 1964	TOTAL 1,651,725	MEAN 4,458	MAX 13,400	MIN -2,320	CFSM 1.43	IN 19.45						
WAT YR 1965	TOTAL 1,094,460	MEAN 2,999	MAX 11,100	MIN -662	CFSM .96	IN 13.05						

Note --Negative figures indicate reverse flow

## 2-2361 1 Ponce de Leon Springs near De Land, Fla

Location --Lat 29°08'02", long 81°21'47", in William Pantan Grant, T 16 S , R 29 E , on south wall of pool, 100 ft east of weir outlets to Spring Garden Lake, 1 2 miles northwest of the town of De Leon Springs, 1 8 miles upstream from Deep Creek, 8 1 miles northwest of De Land, Volusia County, and 11 miles upstream from St Johns River

Records available --1929, 1932, 1946, 1956, 1960 (one discharge measurement in each year), November 1964 to September 1965 (discharge measurements only)

Gage --Staff gage read only when discharge measurements are made Datum of gage is at mean sea level, datum of 1929 (unadjusted) Prior to November 1964, reference point at same site at unknown datum

Extremes --1964-65 Maximum discharge measured during period November to September, 35 9 cfs  
Dec 8, 1964, minimum discharge measured, 28 4 cfs Aug 5, 1965  
Maximum discharge measured, 41 8 cfs Apr 23, 1946, minimum measured, 20 4 cfs Mar 7, 1932

Remarks --Discharge measurements made at three outlets of concrete-walled pool Flow regulated at outlets by boards Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

Discharge measurements, in cubic feet per second, November 1964 to September 1965

Dec 8	35 9	Mar 12	31 6	June 9	34 3
Jan 14	29 4	Apr 22	29 6	Aug 5	28 4
				Sept 3	33 6

## 2-2363 Green Swamp Run near Loughman, Fla

Location --Lat 28°15'19", long 81°40'32", in NE 1/4 sec 2, T 26 S , R 26 E , near right bank, 10 ft downstream from bridge on Dean Still road and 6 1/2 miles west of Loughman, Polk County

Drainage area --33 sq mi, approximately

Records available --March 1961 to September 1962 (discontinued)

Gage --Water-stage recorder Datum of gage is 121 94 ft above mean sea level, unadjusted

Extremes --1961 Maximum discharge during period March to September, 5 20 cfs Apr 1 (gage height, 3 13 ft), no flow for many days  
1961-62 Maximum discharge during water year, 6 60 cfs Aug 19 (gage height, 2 62 ft), no flow for many days  
Maximum discharge measured, 54 0 cfs July 16, 1959 (gage height, 3 77 ft)

Remarks --Records poor



2-2365 Big Creek near Clermont, Fla

Location --Lat 28°26'51", long 81°44'25", in NE<sup>1</sup> sec 31, T 23 S, R 26 E, near left bank 40 ft downstream from log bridge, 1 mile upstream from Lake Louisa, and 7<sup>1</sup>/<sub>2</sub> miles southeast of Clermont, Lake County

Drainage area --68 sq mi (revised), approximately

Records available --July 1958 to September 1965

Gage --Digital water-stage recorder Datum of gage is 98.97 ft above mean sea level, unadjusted Prior to Apr 9, 1965, graphic water-stage recorder at same site and datum

Average discharge --7 years, 50.5 cfs

Extremes --Maximum discharges and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 7-9, 1961	a 64	b 6.06	June 2-6, 1961	0 10	c 0 74
1962	Mar 26, 1962	d 9 6	e 3 12	May 17-28, 1962	0	f 68
1963	Mar 5, 1963	73	4 21	June 11-20, 1963	10	g 69
1964	Sept 15, 1964	414	5 79	June 19-26, 1964	10	h 72
1965	Aug 10, 1965	158	5 05	June 1-8, 1965	0	i 60

a Maximum peak discharge, maximum discharge during year, 456 cfs Oct 1, 1960, stage falling, peak occurred Sept 13, 1960 b Occurred Oct 1, 1960 c Occurred June 6, 1961 d Maximum independent peak discharge, maximum discharge during year, 29 cfs Sept 30, 1962, occurred on crest preceding higher crest of Oct 10, 1962 e Occurred Sept 30, 1962 f Occurred May 28, 1962 g Occurred June 20, 1963 h Occurred June 25, 1964 i Occurred June 7, 8, 1965

1958-65 Maximum discharge, 691 cfs Sept 13, 1960 (gage height, 6.23 ft), no flow at times in 1962, 1965, minimum gage height, 0.60 ft June 7, 8, 1965

Remarks --Records good except those for periods of shifting control or backwater and those for the water years 1962-64, which are fair Some interconnection at high stages with Little Creek and Withlacoochee River basin Records of chemical analyses for the water years 1961, 1963 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	444	143	62	34	34	37	22	.70	.20	3.2	.50	35
2	402	140	59	34	34	36	19	.70	.10	3.9	1.1	31
3	372	136	57	33	43	35	18	.60	.10	3.8	1.3	29
4	340	134	55	32	53	33	16	.60	.10	3.3	1.1	26
5	315	130	54	31	54	31	15	.50	.10	2.7	.80	23
6	295	126	52	30	54	30	14	.50	.10	2.1	.80	19
7	285	123	51	30	59	28	13	.40	.20	1.7	.60	15
8	280	120	49	30	64	27	13	.40	.30	1.4	.50	12
9	280	115	48	31	64	25	12	.40	.30	1.5	.40	11
10	275	112	46	31	62	23	11	.70	.30	2.4	.50	10
11	265	108	46	31	60	21	10	.60	.20	6.1	.80	8.9
12	260	104	46	31	57	20	8.7	.50	1.8	7.0	.60	7.8
13	256	101	45	35	55	19	8.0	.40	4.8	5.8	.40	6.7
14	248	98	43	40	52	20	6.7	.40	2.8	4.0	.40	6.0
15	236	95	43	41	49	19	5.9	.30	2.0	2.8	.40	5.3
16	228	92	45	43	47	18	5.1	.30	1.5	1.8	.80	4.9
17	220	89	44	43	45	17	4.5	.20	1.3	1.2	6.6	5.6
18	210	86	43	43	44	17	3.8	.20	1.1	1.1	18	7.1
19	204	83	42	42	42	32	3.3	.20	.90	2.2	14	6.4
20	194	81	41	41	41	45	2.8	.20	1.0	3.5	14	5.6
21	188	79	41	39	40	41	2.4	.20	2.2	3.3	12	4.9
22	184	76	40	38	39	40	2.0	.20	1.8	2.6	9.2	4.2
23	178	74	39	37	38	40	1.8	.20	1.8	2.1	7.5	3.6
24	172	72	38	36	38	39	1.5	.20	4.3	1.7	6.6	3.1
25	166	71	37	36	38	37	1.3	.20	3.7	1.4	6.7	2.8
26	160	69	36	35	38	34	1.1	.20	2.9	1.1	7.9	2.3
27	154	68	36	35	38	31	1.0	.30	3.3	.90	8.7	2.0
28	150	66	35	34	38	27	.90	.30	4.9	.70	10	1.9
29	145	65	35	35	---	24	.80	.30	4.2	.60	16	1.6
30	141	64	34	35	---	21	.70	.20	3.2	.50	29	1.4
31	141	---	34	35	---	19	---	.20	---	.40	33	---
TOTAL	7,388	2,920	1,376	1,101	1,320	886	225.30	11.40	51.50	76.80	210.20	303.1
MEAN	238	94.2	44.4	35.5	47.1	28.6	7.51	.37	1.72	2.48	6.78	10.1
MAX	444	143	62	43	64	45	22	.70	4.9	7.0	33	35
MIN	141	64	34	30	34	17	.70	.20	.10	.40	.40	1.4
CFSM	3.50	1.43	.65	.52	.69	.42	.11	.005	.03	.04	.10	.15
IN.	4.04	1.60	.75	.60	.72	.48	.12	.006	.03	.04	.11	.17

CAL YR 1960: TOTAL 15,909 MEAN 142 MAX 684 MIN 22 CFSM 2.09 IN 28.39  
 MAT YR 1961: TOTAL 15,869.30 MEAN 43.5 MAX 444 MIN .10 CFSM .64 IN 8.68

Note --Shifting-control method used Oct 1 to Nov 7 Backwater from debris Apr 16 to June 12

## 2-2365 Big Creek near Clermont, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.2	3.9	1.2	3.7	1.6	.70	4.6	.30	.10	.30	1.4	1.6
2	1.1	3.5	1.1	4.9	1.5	.70	4.2	.20	.20	1.2	3.3	1.4
3	1.0	3.3	1.1	4.5	1.4	.60	3.5	.20	.10	1.6	5.9	1.6
4	.90	3.1	1.0	4.0	1.3	.60	2.8	.20	.10	1.6	7.5	1.7
5	.80	3.2	1.0	3.6	1.2	.50	2.3	.20	.10	1.2	8.2	1.3
6	.70	3.6	.90	3.8	1.2	.50	2.0	.10	.10	.80	6.4	1.0
7	.60	4.7	.80	5.6	1.1	.40	1.8	.10	.10	.60	4.9	.80
8	.50	5.5	.70	5.8	1.1	.40	2.4	.10	.10	.40	5.0	.60
9	.50	5.7	.70	5.2	1.5	.40	2.2	.10	.20	.40	4.3	.50
10	.40	5.7	.60	4.8	2.0	.40	1.7	.10	.20	.30	3.4	.60
11	.60	5.3	.60	4.9	5.2	.30	1.4	.10	.20	.30	2.7	.70
12	1.2	4.9	.60	5.8	4.3	.30	1.1	.10	.20	.30	2.7	.60
13	1.4	4.5	.80	6.1	3.8	.30	.90	.10	.20	.20	1.8	.60
14	3.4	4.1	1.2	5.8	3.4	.30	.70	.10	.20	.20	1.5	.50
15	4.5	3.7	1.1	5.6	3.0	.50	.60	.10	.20	.20	1.3	.50
16	3.9	3.4	1.0	5.3	2.7	4.0	.50	.10	.20	.20	1.6	.40
17	3.3	3.0	1.0	5.0	2.5	6.7	.40	0	.20	.20	1.7	.30
18	2.6	2.8	.90	4.6	2.4	5.9	.40	0	.20	.20	1.6	.40
19	2.2	2.5	2.7	4.2	2.2	5.5	.30	0	.10	.20	1.4	1.7
20	1.8	2.3	7.5	4.0	2.0	4.7	.30	0	.10	.20	1.3	4.5
21	1.4	2.2	9.2	3.8	1.7	4.2	.30	0	.20	.20	1.5	12
22	1.7	2.0	6.9	3.4	1.6	3.6	.30	0	.40	.20	1.7	14
23	2.9	1.9	8.0	3.2	1.5	5.5	.30	0	.30	.20	3.0	13
24	3.8	2.2	6.9	3.0	1.3	8.7	.20	0	.30	.20	6.7	18
25	4.2	2.1	5.9	2.8	1.2	5.7	.20	0	.20	.10	7.1	22
26	4.4	2.0	5.1	2.6	1.0	9.5	.20	0	.70	.10	5.7	24
27	4.5	1.7	4.5	2.4	.90	9.3	.20	0	.20	.10	4.2	26
28	4.4	1.5	4.1	2.4	.80	8.6	.20	0	.20	.10	3.6	28
29	4.4	1.4	3.5	2.2	-----	7.6	.30	.10	.20	.10	3.3	28
30	4.4	1.3	3.1	2.0	-----	6.6	.40	.10	.20	.10	2.5	29
31	4.1	-----	2.8	1.8	-----	5.6	-----	.10	-----	.50	2.0	-----
TOTAL	72.80	97.0	18.50	126.8	58.30	111.60	36.90	2.50	5.40	12.50	108.7	235.30
MEAN	2.35	3.23	2.85	4.09	2.08	3.60	1.23	.081	.18	.40	3.51	7.84
MAX	4.5	5.7	9.2	6.1	5.2	9.5	4.8	.30	.30	1.6	8.2	29
MIN	.40	1.3	.60	1.8	.80	.30	.20	0	.10	.10	1.3	.30
CFSM	.03	.05	.04	.06	.03	.05	.02	.001	.003	.006	.05	.12
IN	.04	.05	.05	.07	.05	.06	.07	.001	.003	.007	.06	.13
CAL YR 1961	TOTAL	4443.60	MEAN	12.2	MAX	64	MIN	.10	CFSM	.18	IN	2.43
WAT YR 1962	TOTAL	956.30	MEAN	2.62	MAX	29	MIN	0	CFSM	.04	IN	.52

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	29	6.1	3.2	1.0	8.7	43	11	1.1	.20	3.8	3.6	2.1
2	28	6.3	3.0	1.0	7.8	51	10	1.4	.20	3.0	2.7	2.1
3	27	5.6	2.9	.90	7.9	64	9.8	.60	.20	4.8	2.0	2.7
4	25	5.2	2.7	.80	11	71	9.0	1.4	.20	5.1	1.5	1.7
5	28	4.6	2.6	.80	12	72	8.3	1.1	.30	4.2	1.2	1.2
6	33	4.1	2.5	.80	13	71	7.6	.80	.40	3.3	.90	1.0
7	36	3.7	2.4	1.0	14	68	7.4	.60	.30	2.4	.80	1.0
8	38	3.4	2.3	1.0	13	64	7.2	.50	.20	2.4	.60	.80
9	40	4.3	2.2	.90	12	62	7.2	.40	.70	2.8	.70	.60
10	40	5.1	2.0	.80	12	68	7.2	.40	.20	3.6	.90	.50
11	40	5.0	1.8	.80	11	66	7.0	.30	.10	4.0	.80	.50
12	37	4.7	1.9	.80	17	64	6.8	.40	.10	4.1	.70	.40
13	35	5.6	1.9	.70	22	60	6.6	.50	.10	6.1	1.1	.40
14	32	6.0	1.8	.80	23	58	6.0	.50	.10	6.9	3.7	.30
15	29	5.6	1.7	.90	23	54	5.6	.40	.10	8.0	2.9	.30
16	26	5.2	1.6	1.0	22	49	4.9	.30	.10	9.2	2.2	.30
17	22	4.8	1.5	1.1	23	45	4.2	.30	.10	11	2.6	.30
18	20	4.5	1.5	1.2	27	41	3.7	.20	.10	10	7.1	.30
19	17	4.1	1.5	1.1	24	37	3.2	.20	.10	8.5	7.0	1.4
20	14	4.0	1.4	1.0	26	33	2.7	.20	.10	6.5	6.6	3.8
21	11	3.8	1.3	3.0	26	29	2.2	.20	.30	4.9	6.2	7.9
22	9.6	4.5	1.3	4.1	29	26	1.8	.20	.30	5.6	7.8	10
23	8.6	4.7	1.2	4.5	24	23	1.5	.40	.20	7.5	8.2	26
24	7.5	4.5	1.2	8.2	23	20	1.2	.30	.90	7.4	7.7	34
25	6.3	4.2	1.2	8.7	21	19	1.5	.30	1.8	7.1	7.0	41
26	5.2	4.0	1.2	9.4	27	17	2.2	.20	1.6	5.9	6.1	46
27	4.5	3.7	1.2	12	37	16	1.6	.20	1.7	4.8	5.2	48
28	3.9	3.5	1.2	13	40	15	1.1	.30	3.0	3.9	4.5	47
29	3.4	3.3	1.2	12	-----	14	.90	.30	5.2	3.2	4.1	44
30	3.0	3.3	1.1	10	-----	13	.70	.30	4.5	2.6	3.4	40
31	4.5	-----	1.1	9.6	-----	12	-----	.30	-----	3.7	2.5	-----
TOTAL	663.5	137.4	55.6	112.90	547.4	1,445	150.10	15.70	22.40	166.3	112.30	365.60
MEAN	21.4	4.58	1.79	3.64	19.6	43.4	5.00	.49	.75	5.36	3.62	12.2
MAX	40	6.3	3.2	13	40	72	11	1.4	5.2	11	8.2	48
MIN	3.0	3.3	1.1	.70	7.8	12	.70	.10	.10	2.4	.60	.30
CFSM	.31	.07	.03	.05	.29	.64	.07	.007	.01	.08	.05	.18
IN	.36	.08	.03	.06	.30	.74	.08	.008	.01	.09	.06	.20
CAL YR 1962	TOTAL	1,554.50	MEAN	4.26	MAX	40	MIN	0	CFSM	.06	IN	.85
WAT YR 1963	TOTAL	3,693.70	MEAN	10.1	MAX	72	MIN	.10	CFSM	.15	IN	2.02

## 2-2365 Big Creek near Clermont, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	35	.70	16	18	57	60	104	15	.90	2.9	17	38
2	30	.80	15	17	56	58	98	25	.70	3.1	16	37
3	26	.80	15	17	55	57	92	27	.60	4.0	15	34
4	22	.80	14	16	60	56	83	28	.60	5.1	12	44
5	19	.80	14	15	66	55	74	29	.50	7.2	10	54
6	16	1.4	13	15	76	53	66	29	.50	8.1	8.6	54
7	13	1.7	12	17	79	52	59	27	.50	7.6	7.4	55
8	11	1.4	12	18	94	50	53	25	.40	6.4	11	55
9	9.3	1.2	12	20	95	49	47	23	.30	5.0	19	58
10	8.0	16	11	21	96	47	42	20	.40	4.1	20	137
11	7.1	29	11	21	95	46	37	18	.50	3.3	21	160
12	6.1	32	10	50	92	44	32	16	.40	2.8	23	188
13	5.3	34	10	67	89	42	28	14	.30	2.2	23	252
14	4.6	34	10	76	84	40	26	13	.20	1.6	40	270
15	4.1	34	11	85	80	38	25	12	.20	1.3	56	325
16	3.7	33	11	91	77	37	23	11	.20	1.0	55	340
17	3.4	31	12	100	72	59	21	10	.20	1.2	54	330
18	3.3	29	12	102	73	60	20	9.1	.20	1.7	51	325
19	3.0	27	12	98	75	62	18	8.1	.10	1.7	47	330
20	2.6	25	12	92	73	64	17	7.3	.10	3.0	46	295
21	2.2	23	12	84	72	65	15	6.3	.10	3.3	45	256
22	1.9	21	11	78	71	64	14	5.4	.10	2.8	43	224
23	1.7	20	12	72	71	61	11	4.6	.10	2.3	40	204
24	1.6	19	16	68	70	59	11	4.0	.10	1.8	38	190
25	1.5	19	17	65	69	56	11	3.5	.10	1.8	37	184
26	1.4	19	17	63	67	55	9.9	3.0	.10	4.8	38	186
27	1.3	18	18	60	65	56	9.4	2.5	.30	8.8	39	173
28	1.1	18	18	61	64	62	9.8	2.0	.70	12	43	161
29	1.0	18	18	60	62	99	11	1.7	1.5	15	41	137
30	.90	17	18	59	-----	104	11	1.4	1.9	16	39	128
31	.80	-----	18	58	-----	105	-----	1.1	-----	17	37	-----
TOTAL	247.90	525.60	420	1,684	2,155	1,835	1,078.1	402.0	12.80	158.9	992.0	5,224
MEAN	8.00	17.5	13.5	54.3	74.3	59.2	35.0	13.0	.43	5.13	32.0	174
MAX	35	34	105	102	96	105	109	29	.40	17	56	340
MIN	.80	70	10	15	55	37	9.4	1.1	.10	1.0	7.4	34
CFSM	.12	26	.20	.80	1.09	.87	.53	.19	.006	.08	.47	2.56
IN.	14	.29	.23	92	1.18	1.00	.59	.22	.007	.09	.54	2.86
CAL YR 1964	TOTAL	4,030.70	MEAN	11.0	MAX	72	MIN	.10	CFSM	.16	IN	2.20
WAT YR 1964	TOTAL	14,735.30	MEAN	40.3	MAX	340	MIN	.10	CFSM	.59	IN	8.06

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	124	27	16	14	13	27	10	.60	0	7.9	54	95
2	118	27	15	13	13	27	9.0	.60	0	5.4	57	95
3	113	26	15	13	12	29	8.0	.50	0	4.2	57	95
4	107	26	15	12	12	33	7.1	.50	0	4.6	60	90
5	102	26	21	12	11	33	6.1	.50	0	7.3	64	83
6	95	25	27	11	11	32	5.2	.50	0	12	71	77
7	89	25	27	11	14	30	4.5	.40	0	16	79	71
8	82	26	26	10	16	27	3.9	.40	0	19	102	60
9	77	24	26	9.9	15	25	3.4	.40	.20	21	112	61
10	72	24	25	9.4	14	23	2.9	.40	.40	22	134	57
11	68	23	24	9.3	14	21	2.5	.40	1.1	24	150	53
12	64	22	23	9.0	13	20	2.2	.40	1.1	23	149	49
13	60	22	22	8.4	12	21	1.8	.40	.90	38	145	46
14	57	22	22	8.2	12	25	1.6	.30	.70	52	141	42
15	55	21	21	14	12	24	1.4	.30	.80	63	138	39
16	52	21	20	18	11	26	1.2	.30	.70	66	135	36
17	50	20	20	18	11	32	1.1	.30	.60	68	132	34
18	47	20	19	18	10	30	1.0	.30	1.0	66	128	33
19	44	19	19	18	10	27	.90	.30	1.5	61	127	30
20	42	19	18	18	9.4	25	.80	.30	1.0	58	131	28
21	40	19	18	18	8.9	22	.80	.30	.80	54	128	26
22	38	18	17	17	8.3	20	1.2	.20	.90	49	123	23
23	37	18	16	16	12	19	1.7	.20	1.8	44	116	20
24	35	18	16	17	23	18	1.3	.20	2.2	42	113	18
25	34	18	15	18	27	17	1.1	.30	2.0	45	114	17
26	33	18	15	18	27	16	1.2	.30	2.0	52	107	16
27	32	17	15	17	27	15	1.0	.20	7.7	56	102	18
28	31	17	16	16	27	14	.90	.20	14	57	104	23
29	30	17	15	14	-----	13	.80	.10	14	55	101	26
30	29	16	14	14	-----	12	.70	.10	11	52	97	35
31	28	-----	14	14	-----	11	-----	.10	-----	52	95	-----
TOTAL	1,885	639	592	433.2	405.6	714	85.30	10.30	66.40	1,196.4	3,376	1,398
MEAN	60.8	21.3	19.1	14.0	14.5	23.0	2.84	.33	2.21	38.6	109	46.6
MAX	124	27	27	18	27	33	10	.60	14	68	150	95
MIN	28	16	14	8.2	8.3	11	.70	.10	0	4.2	54	16
CFSM	.89	31	.28	.21	.21	.34	.04	.005	.03	.57	1.60	.69
IN.	1.03	.35	.32	.24	.22	.39	.05	.006	.04	.65	1.85	.76
CAL YR 1966	TOTAL	16,657.80	MEAN	45.5	MAX	340	MIN	.10	CFSM	.67	IN	9.11
WAT YR 1965	TOTAL	10,801.20	MEAN	29.6	MAX	150	MIN	0	CFSM	.44	IN	5.91



## 2-2366 Little Creek at Cooper's Ranch near Clermont, Fla

Location --Lat 28°25'50", long 81°47'43", in NW¼ sec 3, T 24 S, R 25 E, on left bank 16 ft downstream from bridge on private road at Cooper's Ranch, 4 miles upstream from Lake Louisa, and 8 miles south of Clermont, Lake County

Drainage area --9.9 sq mi, approximately

Records available --June 1960 to September 1962 (discontinued)

Gage --Water-stage recorder Datum of gage is 100.83 ft above mean sea level, unadjusted

Extremes --1960 Maximum discharge during period June to September, 400 cfs Sept 11 (gage height, 7.03 ft), minimum daily, 2.0 cfs June 1, minimum daily gage height, 4.38 ft June 1 (estimated)  
 1960-61 Maximum discharge during water year, 158 cfs Oct 1 (gage height, 6.10 ft), no flow for many days, minimum gage height, 1.51 ft June 12  
 1961-62 Maximum discharge during water year, 0.50 cfs Mar 23 (gage height, 4.07 ft), no flow for many days, minimum gage height, 1.78 ft May 28

Remarks --Records good except those below 2.0 cfs and those after Oct. 1, 1961, which are poor. Some interconnection at high stages with Big Creek and Withlacoochee River basin. Records of chemical analyses for the water year 1961 are published in reports of the Geological Survey. No flow observed on May 3, 1965.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	155	22	5.4	2.4	2.1	6.2	4.2	0	0	0	0	0
2	135	21	4.8	2.1	2.0	5.8	3.4	0	0	0	0	0
3	112	21	4.4	2.0	5.8	5.2	2.8	0	0	0	0	0
4	95	20	4.0	1.6	12	4.8	2.4	0	0	0	0	0
5	78	19	3.6	1.4	15	4.2	2.1	0	0	0	0	0
6	69	18	3.4	1.4	14	3.8	1.7	0	0	0	0	0
7	74	17	3.0	1.2	15	3.3	1.6	0	0	0	0	0
8	83	15	2.6	1.0	18	2.8	1.4	0	0	0	0	0
9	88	15	2.3	1.7	17	2.3	1.0	0	0	0	0	0
10	88	14	2.1	1.7	16	1.6	.80	0	0	0	0	0
11	79	13	2.0	1.6	14	1.2	.40	0	0	0	0	0
12	69	13	2.0	1.4	13	.80	.40	0	0	0	0	0
13	61	12	1.7	3.3	12	.80	.30	0	0	0	0	0
14	54	12	1.6	5.0	10	1.2	.10	0	0	0	0	0
15	49	12	2.0	5.0	9.7	.80	0	0	0	0	0	0
16	45	11	3.1	5.2	8.9	.60	0	0	0	0	0	0
17	42	11	3.1	5.4	8.2	.40	0	0	0	0	0	0
18	39	10	3.0	5.2	7.7	.40	0	0	0	0	0	0
19	37	10	2.8	4.8	7.4	.60	0	0	0	0	0	0
20	35	9.7	2.6	4.4	7.0	.40	0	0	0	0	0	0
21	32	9.2	3.3	4.0	6.5	.30	0	0	0	0	0	0
22	30	8.7	3.4	3.4	6.2	.20	0	0	0	0	0	0
23	28	8.2	3.3	3.1	6.7	1.0	0	0	0	0	0	0
24	26	7.9	3.1	2.8	6.7	3.6	0	0	0	0	0	0
25	25	7.7	3.0	2.8	7.4	5.0	0	0	0	0	0	0
26	23	7.4	2.8	2.6	7.2	5.2	0	0	0	0	0	0
27	22	7.0	2.6	2.4	7.0	5.0	0	0	0	0	0	0
28	21	6.7	2.4	2.1	6.5	4.6	0	0	0	0	0	0
29	13	6.2	2.3	2.6	-----	4.0	0	0	0	0	0	0
30	18	6.0	2.3	2.6	-----	3.6	0	0	0	0	0	0
31	19	-----	2.3	2.4	-----	3.4	-----	0	-----	0	0	-----
TOTAL	1,750	570.7	90.3	88.6	269.0	83.10	22.60	0	0	0	0	0
MEAN	56.5	12.4	2.91	2.86	9.61	2.68	.75	0	0	0	0	0
MAX	155	22	5.4	5.4	18	6.2	4.2	0	0	0	0	0
MIN	18	6.0	1.6	1.0	2.0	.20	.0	0	0	0	0	0

CAL YR 1960: TOTAL MEAN MAX MIN  
 WAT YR 1961: TOTAL 2,674.30 MEAN 7.33 MAX 155 MIN 0

## 2-2366 Little Creek at Cooper's Ranch near Clermont, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	.20	0	0	0	0	0	0
17	0	0	0	0	0	.20	0	0	0	0	0	0
18	0	0	0	0	0	.20	0	0	0	0	0	0
19	0	0	0	0	0	.10	0	0	0	0	0	0
20	0	0	0	0	0	.10	0	0	0	0	0	0
21	0	0	0	0	0	.10	0	0	0	0	0	.10
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	.30	0	0	0	0	.20	0
24	0	0	0	0	0	.40	0	0	0	0	.10	.10
25	0	0	0	0	0	.30	0	0	0	0	.30	.10
26	0	0	0	0	0	.30	0	0	0	0	.20	.10
27	0	0	0	0	0	.20	0	0	0	0	.10	.20
28	0	0	0	0	0	.20	0	0	0	0	0	.20
29	0	0	0	0	0	.10	0	0	0	0	0	.20
30	0	0	0	0	0	.10	0	0	0	0	0	.10
31	0	0	0	0	0	.10	0	0	0	0	0	0
TOTAL	0	0	0	0	0	2.90	0	0	0	0	0.90	1.10
MEAN	0	0	0	0	0	.094	0	0	0	0	.029	.037
MAX	0	0	0	0	0	.40	0	0	0	0	.30	.20
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1961	TOTAL	463.30	MEAN	1.27	MAX	18	MIN	0				
MAY YR 1962	TOTAL	4.90	MEAN	.013	MAX	.40	MIN	0				

## 2-2368 Lake Glona Outlet near Clermont, Fla

Location --Lat 28°28'43", long 81°47'10", in SW 1/4 sec 14, T 23 S, R 25 E, in center of stream, 150 ft upstream from bridge on State Highway 561 and 5.7 miles south of Clermont, Lake County

Drainage area --8.4 sq mi, approximately

Records available --April 1961 to September 1962 (discontinued)

Gage --Staff gage read once daily Datum of gage is 100.71 ft above mean sea level, unadjusted

Extremes --1961 Maximum discharge during period, April to September, 0.20 cfs Apr 1 (gage height, 0.21 ft), no flow Apr 5 to Sept 30  
1961-62 No flow during water year  
Flood in March 1960 reached a stage of 3.27 ft, from floodmark (discharge, 110 cfs)

Remarks --Records good

Discharge, in cubic feet per second, April to September 1961

Mar	27	10	30
Apr	1	20	
	2	10	
	3	10	
	4	10	

† Result of discharge measurement

Note --Flow occurred only on days shown above Observation  
of no flow generally made once a month

Gage height, in feet, April to September 1961

Mar	27	0	24	Apr	5	0	12
Apr	1		21		6		10
	2		20		7		08
	3		16		8		08
	4		16				

Note --Outlet dry Apr 9 to Sept 30 and all of water year October 1961 to September 1962

2-2369 Palatlahaka Creek at Cherry Lake Outlet, near Groveland, Fla

Location --Lat 28°36', long 81°49', in NE 1/4 sec 8, T 22 S, R 25 E, near left bank 21 ft upstream from spillway structure at outlet of Cherry Lake and 3 miles northeast of Groveland, Lake County

Drainage area --160 sq mi, approximately

Records available --March 1957 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level (Gee and Jenson, Inc bench mark) Prior to Aug 20, 1957, auxiliary staff gage and since Aug 20, 1957, auxiliary water-stage recorder, 20 ft downstream from spillway structure

Average discharge --8 years, 80 8 cfs

Extremes --Maximum discharges and minimum daily discharges for the water years 1961-65 are contained in the following table

Water Year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Dec 8, 1960	a 180	b 97.59	May 10 to Sept 30, 1961	0	c 94.22
1962	June 18, 1962	2 4	d 94.26	Many days	0	e 92.85
1963	Entire year	0	f 94.12	Entire year	0	g 92.85
1964	Sept 25-29, 1964	239	h 96.25	Many days	0	i 93.75
1965	Oct. 14, 1964	282	j 96.37	June 5, 16, 1965	2.8	k 94.63

a Maximum daily discharge for flood event whose crest occurred during year, maximum discharge during year, 446 cfs Oct 1, 1960, occurred on recessions following crest of Sept 30, 1960 b Occurred Oct 10, 11, 1960 c Occurred Aug 16, 1961 d Occurred Oct 1, 14, 15, 1961 e Occurred May 30, 1962 f Occurred Sept 30, 1963 g Occurred Jan 23, 1963 h Occurred Sept 16, 1964 i Occurred Nov 3-5, 1963 j Occurred Oct 27, 1964 k Occurred Sept 14, 15, 1965

1957-65 Maximum daily discharge, 584 cfs Apr 5, 1960, maximum gage height, 98 15 ft Apr 22, 1959, no flow for many days in most years, minimum gage height, 92 58 ft Jan 23, 1963

Remarks --Records fair Flow regulated at station by manipulation of radial gates in spillway by Oklawaha Basin Recreation and Water Conservation and Control Authority

Revisions --WSP 1704 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	446	344	194	105	58	47	29	26	0	0	0	0
2	438	476	198	106	59	51	29	26	0	0	0	0
3	438	368	198	107	59	53	29	26	0	0	0	0
4	430	360	198	107	59	55	28	26	0	0	0	0
5	430	352	170	107	60	57	29	26	0	0	0	0
6	438	352	133	108	60	58	29	27	0	0	0	0
7	430	344	139	108	60	58	28	26	0	0	0	0
8	438	344	180	108	80	58	29	26	0	0	0	0
9	438	344	164	107	162	56	29	8.8	0	0	0	0
10	438	336	138	107	148	57	28	0	0	0	0	0
11	438	336	142	106	140	57	28	0	0	0	0	0
12	438	328	143	106	135	57	28	0	0	0	0	0
13	438	320	145	105	130	57	28	0	0	0	0	0
14	438	320	145	103	127	56	28	0	0	0	0	0
15	438	304	145	103	126	56	28	0	0	0	0	0
16	438	304	143	104	124	56	27	0	0	0	0	0
17	430	320	145	104	124	56	27	0	0	0	0	0
18	422	304	145	104	122	56	27	0	0	0	0	0
19	422	298	145	103	121	55	27	0	0	0	0	0
20	414	290	145	103	122	55	27	0	0	0	0	0
21	414	290	142	103	121	55	27	0	0	0	0	0
22	406	274	142	103	121	55	27	0	0	0	0	0
23	398	274	142	103	119	55	26	0	0	0	0	0
24	398	274	140	102	118	55	26	0	0	0	0	0
25	392	266	140	102	113	56	26	0	0	0	0	0
26	392	266	138	100	114	56	26	0	0	0	0	0
27	392	274	138	85	116	46	26	0	0	0	0	0
28	384	248	114	53	76	28	26	0	0	0	0	0
29	376	218	98	55	-----	29	26	0	0	0	0	0
30	384	210	101	57	-----	29	26	0	0	0	0	0
31	392	-----	103	58	-----	29	-----	0	-----	0	0	-----
TOTAL	13,008	9,278	4,553	3,032	2,974	1,604	824	217.8	0	0	0	0
MEAN	420	300	147	97.8	106	51.7	27.5	7.03	0	0	0	0
MAX	446	384	198	108	162	58	29	27	0	0	0	0
MIN	376	210	98	53	58	28	26	0	0	0	0	0
CFSM	2.62	1.93	.92	.61	.66	.32	.17	.04	0	0	0	0
IN.	3.02	2.16	1.06	.70	.69	.37	.19	.05	0	0	0	0

CAL YR 1960 TOTAL 92,066 MEAN 251 MAX 584 MIN 36 CFSM 1.57 IN 21.39  
WAT YR 1961 TOTAL 35,490.80 MEAN 97.2 MAX 446 MIN 0 CFSM .61 IN 8.25

2-2369 Palatka Creek at Cherry Lake Outlet, near Groveland, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	.10	0	0	0	0	0	0	0	0
14	0	0	0	.10	0	0	0	0	0	0	0	0
15	0	0	0	.10	0	0	0	0	0	0	0	0
16	0	0	0	.10	0	0	0	0	0	0	0	0
17	0	0	0	.10	0	0	0	0	0	0	0	0
18	0	0	0	.10	0	0	0	0	2.4	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0.60	0	0	0	0	2.4	0	0	0
MEAN	0	0	0	.019	0	0	0	0	.080	0	0	0
MAX	0	0	0	.10	0	0	0	0	2.4	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CFSM	0	0	0	.0001	0	0	0	0	.0005	0	0	0
IN.	0	0	0	.0001	0	0	0	0	.0005	0	0	0

CAL YR 1961 TOTAL 8.651.80 MEAN 23.7 MAX 16.2 MIN 0 CFSM .15 IN 2.01  
 WAT YR 1962 TOTAL 3.00 MEAN .008 MAX 2.4 MIN 0 CFSM .0001 IN .0006

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CFSM	0	0	0	0	0	0	0	0	0	0	0	0
IN.	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 1962 TOTAL 3.00 MEAN .008 MAX 2.4 MIN 0 CFSM .000 IN 0.0006  
 WAT YR 1963. TOTAL 0 MEAN 0 MAX 0 MIN 0 CFSM 0 IN 0

## 2-2369 Palatlahaka Creek at Cherry Lake Outlet, near Groveland, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	22	21	18	14	15	16
2	0	0	0	0	0	0	23	21	18	14	16	16
3	0	0	0	0	0	7.1	23	21	18	14	16	16
4	0	0	0	0	0	13	23	21	18	15	15	17
5	0	0	0	0	0	12	23	21	17	16	15	17
6	0	0	0	0	38	12	23	21	17	16	15	17
7	0	0	0	0	80	13	23	21	17	16	15	17
8	0	0	0	0	88	13	23	21	17	16	15	17
9	0	0	0	0	80	14	23	21	17	16	15	18
10	0	0	0	0	58	14	23	21	17	16	15	18
11	0	0	0	0	61	14	23	21	17	16	15	17
12	0	0	0	0	98	14	23	20	17	16	15	17
13	0	0	0	0	116	14	23	20	17	16	15	18
14	0	0	0	0	108	14	23	20	16	16	15	18
15	0	0	0	0	102	13	23	20	16	16	15	19
16	0	0	0	0	100	13	23	20	16	16	15	53
17	0	0	0	0	97	13	23	20	16	15	15	159
18	0	0	0	0	97	16	23	20	16	15	15	201
19	0	0	0	0	97	22	23	19	16	15	15	220
20	0	0	0	0	97	21	23	19	15	15	15	206
21	0	0	0	0	104	21	23	19	15	15	15	210
22	0	0	0	0	110	20	23	19	15	15	15	210
23	0	0	0	0	108	20	22	19	15	15	15	228
24	0	0	0	0	106	20	22	19	15	15	16	228
25	0	0	0	0	106	20	22	18	15	15	15	238
26	0	0	0	0	74	20	27	18	14	15	16	238
27	0	0	0	0	0	20	22	18	14	14	16	238
28	0	0	0	0	0	20	22	18	14	15	16	238
29	0	0	0	0	0	0	21	18	14	15	16	238
30	0	0	0	0	21	21	18	14	15	16	16	232
31	0	0	0	0	22	22	18	18	15	16	16	232
TOTAL	0	0	0	0	1,925	476.1	679	611	481	473	474	3,395
MEAN	0	0	0	0	66.4	15.4	22.4	19.7	16.0	15.3	15.3	113
MAX	0	0	0	0	116	22	23	21	18	16	16	238
MIN	0	0	0	0	0	0	21	18	14	14	15	16
CFSM	0	0	0	0	.41	.10	.14	.12	.10	.10	.10	.71
IN.	0	0	0	0	.45	.11	.16	.14	.11	.11	.11	.79

CAL YR 1963: TOTAL 0 MEAN 0 MAX 0 MIN 0 CFSM 0 IN 0  
 MAY YR 1964: TOTAL 8,514.10 MEAN 23.3 MAX 238 MIN 0 CFSM .15 IN 1.98

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	256	13	9.4	6.9	7.7	7.8	7.3	7.7	3.0	3.4	21	206
2	256	13	9.4	6.9	7.7	7.8	7.2	7.7	3.0	3.4	21	200
3	256	13	9.4	6.8	7.7	7.9	7.3	7.8	3.0	3.4	21	206
4	252	13	8.8	6.8	7.6	7.7	7.3	5.1	2.9	3.4	22	197
5	252	13	8.7	6.7	7.6	7.4	7.3	3.7	2.8	3.3	22	188
6	246	13	8.6	6.7	7.7	7.4	7.5	3.2	2.9	3.3	22	192
7	246	13	8.5	6.6	7.8	7.5	7.4	3.2	2.9	3.4	29	182
8	238	13	8.4	6.6	7.7	7.4	7.2	3.2	2.9	3.5	37	187
9	162	12	8.4	6.6	7.7	7.6	7.1	3.2	3.0	3.5	60	179
10	69	12	8.4	6.6	7.7	7.6	7.2	3.1	3.0	3.5	93	182
11	76	12	8.4	6.6	7.7	7.7	7.2	3.1	3.0	3.6	147	179
12	71	12	8.4	6.5	7.7	7.8	7.1	3.1	3.0	3.7	153	182
13	129	12	8.4	6.4	7.7	7.7	7.1	3.0	3.0	3.7	176	174
14	282	12	8.1	6.3	7.6	7.6	7.3	3.1	2.9	3.7	183	170
15	129	12	7.9	6.4	7.6	7.4	7.2	3.1	2.9	3.8	172	158
16	48	12	7.8	6.6	7.6	7.4	7.1	3.1	2.8	3.9	166	159
17	51	12	7.9	6.9	7.6	7.4	7.1	3.0	2.9	4.0	163	124
18	53	12	7.8	7.4	7.5	7.4	7.2	3.0	2.9	4.1	166	125
19	28	12	7.7	7.7	7.5	7.4	7.2	3.0	2.9	9.5	166	129
20	13	12	7.7	7.9	7.3	7.4	7.1	3.0	3.0	12	184	52
21	14	10	7.7	8.1	7.4	7.3	7.2	3.1	3.0	13	181	21
22	14	10	7.6	8.2	7.3	7.2	7.2	3.2	3.0	13	177	13
23	14	10	7.5	8.2	7.1	7.3	7.2	3.1	3.1	13	177	6.1
24	14	10	7.4	8.1	6.8	7.3	7.4	3.1	3.0	13	181	6.3
25	14	9.9	7.4	8.2	6.2	7.4	7.5	3.1	3.0	13	189	6.5
26	14	9.8	7.5	8.1	6.6	7.4	7.7	3.2	3.0	14	189	6.5
27	14	9.8	7.3	8.0	7.1	7.4	7.7	3.1	3.1	14	198	6.6
28	13	9.8	7.3	7.8	7.4	7.4	7.5	3.1	3.2	14	198	6.6
29	13	9.7	7.2	7.7	7.7	7.3	7.9	3.0	3.2	14	204	6.6
30	13	9.6	7.0	7.7	7.7	7.3	7.7	3.0	3.3	14	207	6.6
31	13	9.6	7.0	7.7	7.7	7.3	7.7	3.0	3.3	19	204	6.6
TOTAL	3,263	346.6	248.8	223.9	208.6	231.9	219.6	111.9	89.6	240.1	4,129	3,456.8
MEAN	105	11.6	8.03	7.22	7.45	7.48	7.32	3.61	2.99	7.75	133	115
MAX	282	13	9.4	8.2	7.8	7.9	7.9	7.8	3.3	19	207	206
MIN	13	9.6	7.0	6.4	6.2	7.2	7.1	3.0	2.8	3.3	21	6.1
CFSM	.64	.07	.05	.05	.05	.05	.05	.02	.02	.05	.83	.72
IN.	.76	.08	.06	.05	.05	.05	.05	.03	.02	.06	.96	.80

CAL YR 1964: TOTAL 12,372.50 MEAN 33.8 MAX 282 MIN 0 CFSM .21 IN 2.88  
 MAY YR 1965: TOTAL 12,769.8 MEAN 35.0 MAX 282 MIN 2.8 CFSM .22 IN 2.97

2-2370 Palatka Creek near Mascotte, Fla

Location --Lat 28°37'00", long 81°51'50", in sec 36, T 21 S, R 24 E, on left bank 260 ft upstream from spillway structure, 0.4 mile downstream from bridge on State Highway 565, 0.7 mile downstream from Lake Emma, and 3½ miles northeast of Mascotte, Lake County

Drainage area --180 sq mi, approximately

Records available --May 1945 to March 1956, April 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to May 21, 1946, staff gage and May 21, 1946, to Mar 20, 1956, water-stage recorder, at site 0.5 mile upstream at datum 89.54 ft higher Since Apr 6, 1964, auxiliary water-stage recorder 260 ft downstream from spillway

Extremes --1964 Maximum daily discharge during period April to September, 359 cfs Sept 20, maximum gage height, 95.18 ft Sept 12, minimum daily discharge, 4 cfs Apr 1 to July 26, minimum gage height observed, 93.85 ft Sept 25  
 1964-65 Maximum daily discharge during water year, 286 cfs Oct 14, maximum gage height, 95.72 ft Jan 15, minimum daily discharge, 3 cfs for many days, minimum gage height, 92.95 ft Sept 14  
 1945-56, 1964-65 Maximum discharge, 458 cfs Oct 4, 5, 1945, maximum gage height, 96.66 ft (former site, present datum) Oct 11, 12, 1953, minimum discharge observed, 0.2 cfs June 18, 19, 1945, minimum gage height observed, 91.68 ft (former site, present datum) June 19, 1945

Remarks --Records poor Since Dec 4, 1963, flow regulated at station by manipulation of radial gates in spillway

DISCHARGE, IN CUBIC FEET PER SECOND, APRIL TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1							4.0	4.0	4.0	4.0	29	29
2							4.0	4.0	4.0	4.0	29	29
3							4.0	4.0	4.0	4.0	18	29
4							4.0	4.0	4.0	4.0	12	18
5							4.0	4.0	4.0	4.0	12	12
6							4.0	4.0	4.0	4.0	12	12
7							4.0	4.0	4.0	4.0	12	12
8							4.0	4.0	4.0	4.0	12	19
9							4.0	4.0	4.0	4.0	12	29
10							4.0	4.0	4.0	4.0	12	29
11							4.0	4.0	4.0	4.0	12	40
12							4.0	4.0	4.0	4.0	12	46
13							4.0	4.0	4.0	4.0	12	59
14							4.0	4.0	4.0	4.0	23	64
15							4.0	4.0	4.0	4.0	29	64
16							4.0	4.0	4.0	4.0	29	79
17							4.0	4.0	4.0	4.0	17	129
18							4.0	4.0	4.0	4.0	12	218
19							4.0	4.0	4.0	4.0	12	319
20							4.0	4.0	4.0	4.0	13	359
21							4.0	4.0	4.0	4.0	23	351
22							4.0	4.0	4.0	4.0	29	344
23							4.0	4.0	4.0	4.0	29	337
24							4.0	4.0	4.0	4.0	29	326
25							4.0	4.0	4.0	4.0	29	225
26							4.0	4.0	4.0	4.0	29	202
27							4.0	4.0	4.0	32	29	204
28							4.0	4.0	4.0	36	29	236
29							4.0	4.0	4.0	29	29	280
30							4.0	4.0	4.0	29	29	280
31		-----			-----		-----	4.0	-----	29	29	-----
TOTAL							120.0	124.0	120.0	259.0	644	4,380
MEAN							4.00	4.00	4.00	8.35	20.8	146
MAX							4.0	4.0	4.0	36	29	359
MIN							4.0	4.0	4.0	4.0	12	12
CFSM							.02	.02	.02	.05	.12	.81
IN.							.02	.03	.02	.05	.13	.90

## 2-2370 Palatlakaha Creek near Mascotte, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	277	9.0	3.0	3.0	9.0	25	13	22	4.0	19	46	221	
2	277	9.0	3.0	3.0	9.0	9.0	13	22	4.0	19	46	221	
3	277	9.0	3.0	3.0	9.0	9.0	13	9.0	4.0	15	46	227	
4	277	9.0	3.0	3.0	9.0	9.0	13	4.0	4.0	12	46	229	
5	247	9.0	3.0	3.0	9.0	9.0	13	4.0	4.0	12	46	226	
6	202	7.0	3.0	3.0	9.0	9.0	10	4.0	4.0	20	46	223	
7	204	3.0	3.0	3.0	9.0	9.0	3.0	4.0	4.0	28	53	220	
8	204	3.0	3.0	8.0	9.0	9.0	3.0	4.0	4.0	28	63	220	
9	144	3.0	3.0	9.0	9.0	9.0	3.0	4.0	4.0	28	118	220	
10	91	3.0	3.0	9.0	9.0	9.0	3.0	4.0	4.0	28	174	220	
11	92	3.0	3.0	9.0	9.0	9.0	3.0	4.0	4.0	28	226	217	
12	81	3.0	3.0	9.0	9.0	5.0	7.0	4.0	4.0	28	236	214	
13	113	3.0	3.0	9.0	9.0	3.0	9.0	4.0	4.0	28	248	209	
14	286	3.0	3.0	9.0	9.0	3.0	10	4.0	4.0	35	257	84	
15	138	3.0	3.0	66	9.0	9.0	12	4.0	4.0	46	249	27	
16	25	3.0	3.0	94	9.0	12	12	4.0	8.0	46	237	28	
17	25	3.0	3.0	94	9.0	13	12	4.0	10	46	235	28	
18	25	3.0	3.0	66	9.0	13	12	4.0	15	46	232	28	
19	11	3.0	3.0	47	9.0	13	12	4.0	19	46	229	28	
20	3.0	3.0	3.0	39	9.0	13	12	4.0	19	46	229	28	
21	5.0	3.0	3.0	9.0	9.0	13	12	4.0	19	46	226	28	
22	9.0	3.0	3.0	9.0	6.0	13	12	4.0	19	46	229	14	
23	9.0	3.0	3.0	9.0	3.0	13	14	4.0	19	46	229	3.0	
24	9.0	3.0	3.0	9.0	3.0	13	16	4.0	19	46	229	3.0	
25	9.0	3.0	3.0	9.0	28	13	16	4.0	19	46	229	3.0	
26	9.0	3.0	3.0	9.0	46	13	25	4.0	19	46	226	3.0	
27	9.0	3.0	3.0	9.0	46	13	29	4.0	19	46	217	3.0	
28	9.0	3.0	3.0	9.0	46	13	29	4.0	19	46	216	3.0	
29	9.0	3.0	3.0	9.0	-----	13	29	4.0	19	46	216	3.0	
30	9.0	3.0	3.0	9.0	-----	13	24	4.0	19	46	219	3.0	
31	9.0	-----	3.0	9.0	-----	13	-----	4.0	-----	46	219	-----	
TOTAL	3,094.0	124.0	93.0	588.0	367.0	342.0	394.0	165.0	321.0	1,110	5,517	3,184.0	
MEAN	99.8	4.13	3.00	19.0	13.1	11.0	13.1	5.32	10.7	35.8	178	106	
MAX	286	9.0	3.0	94	46	25	29	22	19	46	257	229	
MIN	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	12	46	3.0	
CFSM	.55	.02	.02	.11	.07	.06	.07	.03	.06	.20	.99	.59	
IN.	.64	.03	.02	.12	.08	.07	.06	.03	.07	.23	1.14	.66	
CAL YR 1964	TOTAL			MEAN		MAX	MIN	CFSM	IN				
WAT YR 1965	TOTAL	15,299.0		MEAN	41.9	MAX	286	MIN	3.0	CFSM	.23	IN	3.16

## 2-2377 Apopka-Beauclair Canal near Astatula, Fla

Location --Lat 28°43'40", long 81°41'00", in NW¼ sec 26, T 20 S, R 26 E, near left bank 80 ft upstream from lock and dam, 500 ft upstream from bridge on county road, and 2½ miles east of Astatula, Lake County

Drainage area --184 sq mi (revised)

Records available --July 1942 to June 1948 (discharge measurements only at site 1 5 miles downstream), July 1958 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 July 1942 to June 1948, staff gage at site 1 5 miles downstream at datum 60.68 ft higher March to June 1958, staff gage at present site and datum Since July 1958, auxiliary water-stage recorder at downstream side of lock and dam

Average discharge --7 years, (1958-65), 103 cfs

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 5,12,18,19,1961	423	a 68.48	Many days	b 5	c 64.70
1962	Many days	25	d 66.73	Aug 19-21, 1962	16	e 64.52
1963	Mar 17, 24, 1963	25	f 66.91	Many days	10	g 64.41
1964	Aug 17, 1964	504	h 67.37	do	0	i 65.07
1965	Sept 9-12, 1965	470	j 67.57	do	0	k 65.24

a Occurred Oct 6, 1960 (affected by wind)

b Estimated, lock and dam closed and flow consists of leakage and lockage

c Occurred June 23, 1961 (affected by wind)

d Occurred Oct 14, 1961 (affected by wind)

e Occurred May 28, June 7, 1962 (affected by wind)

f Occurred Aug 17, 1963 (affected by wind)

g Occurred Dec 6, 1962 (affected by wind)

h Occurred Feb 28, 1964 (affected by wind)

i Occurred Nov 2, 1963 (affected by wind)

j Occurred Mar 20, 1965 (affected by wind)

k Occurred June 17, 1965 (affected by wind)

1958-65 Maximum daily discharge, 754 cfs Mar 19, 1960, maximum gage height, 68.48 ft Oct 6, 1960, no flow for many days in 1964, 1965, minimum gage height, 64.41 ft Dec 6, 1962 (affected by wind)

Remarks --Records poor Since May 1956, flow regulated at station by manipulation of radial gates in spillway by Lake Apopka Recreation and Water Conservation Control Authority

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	357	317	235	281	422	328	138	46	5.0			23
2	354	316	234	280	422	328	138	20	5.0			23
3	353	314	235	280	422	328	138	50	33			23
4	352	313	238	280	422	328	58	5.0				23
5	352	312	237	280	423	330		14	35			23
6	352	308	237	280	422	328		46			50	23
7	352	302	236	280	422	328		39				23
8	350	305	236	280	422	328						23
9	354	306	236	280	422	328						23
10	355	306	236	280	422	328					11	24
11	354	292	237	280	422	328	5.0					23
12	354	260	234	280	423	331						23
13	357	260	234	280	422	328		5.0				23
14	356	257	234	280	422	328						23
15	354	259	235	280	422	313						23
16	350	258	234	280	422	280			5.0	50		23
17	346	256	235	280	422	280						23
18	346	255	234	280	423	281	25					23
19	348	252	234	280	423	283	46					23
20	342	255	262	280	395	280	46	34				23
21	338	251	280	280	328	280	46	35				23
22	333	251	280	280	328	280	47					23
23	333	250	280	280	328	280	48		5.0			23
24	330	250	280	280	328	280	46					23
25	328	248	280	280	328	281	46					23
26	327	247	274	297	328	281	46					23
27	326	248	234	348	328	227	46	34				23
28	323	247	235	422	328	138	46	35				23
29	320	246	234	422	-----	138	48					23
30	321	241	234	422	-----	138	48	5.0				23
31	326	-----	269	422	-----	138	-----					23
TOTAL	10,643	8,182	7,613	9,334	11,041	8,775	1,121.0	413.0	208.0	155.0	539.0	691
MEAN	343	273	246	301	394	283	37.4	13.3	6.93	5.00	17.4	23.0
MAX	357	317	280	422	423	331	138	46	35	-	23	24
MIN	320	241	234	280	328	138	-	-	-	-	-	23
CFSM	1.87	1.48	1.33	1.64	2.14	1.54	.20	.07	.04	.03	.09	.13
IN.	2.15	1.65	1.54	1.89	2.23	1.77	.23	.08	.04	.03	.11	.14
CAL YR 1960*	TOTAL 96,179			MEAN 263	MAX 754	MIN 92	CFSM 1.43	IN 19.44				
MAT YR 1961.	TOTAL 58,715.0			MEAN 161	MAX 423	MIN -	CFSM .87	IN 11.87				

Note --Flow consists of leakage and lockage Apr 5-17, May 3, 4, 8-19, 22-26, 29-31, June 1, 2, June 5 to Aug 9



## 2-2377 Apopka-Beauclair Canal near Astatula, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	22	22	23	22	23	24	25	25	23	21	18	17
2	22	22	23	22	23	24	25	25	23	21	18	17
3	22	22	23	22	23	24	25	25	23	21	18	17
4	22	22	23	22	23	24	25	25	23	21	18	17
5	22	22	23	22	23	24	25	25	23	21	18	17
6	22	22	23	22	23	24	25	25	23	21	18	17
7	22	22	23	22	23	25	25	25	23	21	17	17
8	22	23	23	22	23	25	25	25	23	21	17	17
9	22	23	23	22	23	25	25	25	23	21	17	17
10	22	23	24	22	23	25	25	25	23	21	17	18
11	22	23	22	22	23	25	25	25	23	21	17	18
12	22	23	22	22	23	25	25	25	23	20	17	18
13	22	23	22	22	23	25	25	25	23	20	17	18
14	22	23	22	22	23	25	25	25	23	20	17	18
15	22	23	22	22	24	25	25	25	22	20	17	18
16	22	23	22	22	24	25	25	24	22	20	17	18
17	22	23	22	22	24	25	25	24	22	20	17	18
18	22	23	22	22	24	25	25	24	22	20	17	18
19	22	23	22	22	24	25	25	24	22	20	16	18
20	22	23	22	22	24	25	25	24	22	20	16	18
21	22	23	22	22	24	25	25	24	22	20	16	18
22	22	23	22	22	24	25	25	24	22	20	17	18
23	22	23	22	22	24	25	25	24	22	20	17	18
24	22	23	22	22	24	25	25	24	22	20	17	18
25	22	23	22	22	25	25	25	24	22	18	17	18
26	22	23	22	23	24	25	25	25	22	18	17	18
27	22	23	22	23	24	25	25	24	22	18	17	18
28	22	23	22	23	24	25	25	24	22	18	17	18
29	22	23	22	23	25	25	25	24	22	18	17	20
30	22	23	22	23	25	25	25	24	22	18	17	20
31	22	24	23	23	25	25	25	23	21	18	17	20
TOTAL	682	683	694	688	659	769	750	759	673	617	530	535
MEAN	22.0	22.8	22.9	22.2	21.5	24.8	25.0	24.5	22.4	19.9	17.1	17.8
MAX	22	23	24	23	25	25	25	25	23	21	18	20
MIN	22	22	22	22	23	24	25	23	21	18	16	17
CFSM	.12	.12	.12	.12	.13	.13	.14	.13	.12	.11	.09	.10
IN.	.14	.14	.14	.14	.13	.16	.15	.15	.14	.12	.11	.11

CAL YR 1961: TOTAL 34,336.0 MEAN 94.1 MAX 423 MIN -  
WAT YR 1962: TOTAL 8,039 MEAN 22.0 MAX 25 MIN 16 CFSM .51 IN 6.94  
CFSM .12 IN 1.62

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	17	14	14	14	23	23	23	1.0	1.0	23	2.0
2	20	17	14	14	14	23	23	23	1.0	1.0	23	2.0
3	20	17	14	14	14	23	23	23	1.0	1.0	23	2.0
4	20	17	14	14	14	23	23	23	1.0	1.0	23	1.0
5	20	17	14	14	14	23	23	23	1.0	1.0	23	1.0
6	20	17	14	14	14	23	23	23	1.0	1.0	23	1.0
7	20	17	13	14	14	23	23	23	1.0	1.0	23	1.0
8	20	16	13	14	15	23	23	23	1.0	1.0	23	1.0
9	20	16	13	14	15	23	23	23	1.0	1.0	23	1.0
10	20	16	13	14	15	24	23	23	1.0	1.0	23	1.0
11	20	16	13	14	15	23	23	23	1.0	1.0	23	1.0
12	20	16	13	14	15	23	23	23	1.0	1.0	23	1.0
13	20	16	13	14	15	23	24	23	1.0	1.0	23	1.0
14	20	16	13	14	15	23	24	23	1.0	1.0	17	1.0
15	20	16	13	14	15	23	23	23	1.0	1.0	1.0	2.0
16	20	16	13	14	15	24	23	23	1.0	1.0	1.0	1.0
17	20	16	13	14	15	25	23	23	1.0	1.0	1.0	1.0
18	20	15	13	14	15	23	23	23	1.0	1.0	2.0	1.0
19	20	15	13	14	15	23	23	23	1.0	15	1.0	1.0
20	18	15	13	14	15	23	23	23	1.0	23	1.0	1.0
21	18	15	13	14	15	23	23	23	1.0	23	1.0	1.0
22	18	15	13	14	15	23	23	23	1.0	23	1.0	1.0
23	18	15	13	14	16	24	23	23	1.0	23	1.0	1.0
24	18	15	13	14	15	25	23	23	1.0	23	1.0	1.0
25	18	15	13	14	15	23	23	8.0	1.0	23	1.0	1.0
26	18	15	13	14	15	23	23	1.0	1.0	23	1.0	1.0
27	18	15	13	14	19	23	23	1.0	1.0	23	1.0	1.0
28	18	14	13	14	23	23	24	1.0	1.0	23	1.0	2.0
29	17	14	13	14	23	23	23	1.0	1.0	23	1.0	1.0
30	17	14	13	14	23	23	23	1.0	1.0	23	1.0	1.0
31	17	14	14	14	23	23	23	1.0	23	2.0	2.0	---
TOTAL	593	471	410	434	426	720	693	566.0	30.0	309.0	335.0	34.0
MEAN	19.1	15.7	13.2	14.0	15.2	23.2	23.1	18.3	1.00	9.97	10.8	1.13
MAX	20	17	14	14	23	25	24	23	1.0	23	23	2.0
MIN	17	14	13	14	14	23	23	1.0	1.0	1.0	1.0	1.0
CFSM	.10	.09	.07	.08	.08	.13	.13	.10	.005	.05	.06	.006
IN.	.12	.10	.08	.09	.09	.15	.14	.11	.006	.06	.07	.007

CAL YR 1962: TOTAL 7,456 MEAN 20.4 MAX 25 MIN 13  
WAT YR 1963: TOTAL 5,021.0 MEAN 13.8 MAX 25 MIN 1.0 CFSM .07 IN 1.51

Note --Flow consists of leakage and lockage May 26 to July 18, Aug 15 to Sept 30

## 2-2377 Apopka-Beauclair Canal near Astatula, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.0	1.0	1.0	1.0	100	196	83	24	72	0	0	23
2	1.0	1.0	1.0	1.0	100	196	84	25	72	0	0	23
3	1.0	1.0	1.0	1.0	100	154	92	23	72	0	0	23
4	1.0	1.0	1.0	1.0	100	83	92	23	72	1.0	0	23
5	1.0	1.0	1.0	1.0	102	82	109	23	72	0	0	24
6	1.0	1.0	1.0	1.0	100	82	115	23	72	0	0	24
7	1.0	1.0	1.0	1.0	161	82	114	23	72	0	0	24
8	1.0	1.0	1.0	1.0	196	83	114	23	72	0	0	160
9	1.0	1.0	1.0	1.0	196	82	90	23	45	0	1.0	243
10	1.0	1.0	1.0	1.0	196	82	68	24	23	0	0	73
11	1.0	1.0	1.0	1.0	196	82	69	23	23	0	0	352
12	1.0	1.0	1.0	1.0	196	82	69	24	23	0	0	352
13	2.0	1.0	1.0	1.0	196	82	57	24	23	0	0	352
14	1.0	1.0	1.0	1.0	196	82	23	24	23	0	1.0	353
15	1.0	1.0	1.0	15	196	83	23	24	23	0	0	352
16	1.0	1.0	1.0	23	196	82	23	24	23	0	0	352
17	1.0	1.0	1.0	23	196	82	23	25	11	0	0	352
18	1.0	1.0	1.0	23	198	82	23	24	0	0	0	352
19	1.0	1.0	1.0	23	196	83	24	46	0	0	0	352
20	2.0	1.0	1.0	36	196	84	23	72	0	0	0	352
21	1.0	1.0	1.0	46	196	83	23	72	1.0	0	0	352
22	1.0	1.0	1.0	46	196	83	23	72	0	0	0	352
23	1.0	2.0	1.0	46	196	82	23	72	0	0	1.0	352
24	1.0	1.0	1.0	46	196	82	23	73	0	0	0	352
25	1.0	1.0	1.0	54	198	82	24	72	0	0	0	352
26	1.0	1.0	1.0	60	196	82	24	72	0	0	189	352
27	2.0	1.0	1.0	60	196	82	23	72	0	0	504	352
28	1.0	1.0	1.0	83	196	84	23	72	1.0	0	336	352
29	1.0	1.0	1.0	100	196	83	23	72	0	1.0	200	324
30	1.0	1.0	1.0	100	-----	83	23	72	0	0	200	300
31	1.0	-----	1.0	100	-----	83	-----	72	-----	0	130	-----
TOTAL	34.0	31.0	31.0	898.0	5,079	2,855	1,550	1,347	795.0	2.0	1,562.0	7,601
MEAN	1.10	1.03	1.00	29.0	175	92.1	51.7	43.1	26.5	.065	50.4	253
MAX	2.0	2.0	1.0	100	198	196	115	73	72	1.0	504	353
MIN	1.0	1.0	1.0	1.0	100	82	23	23	0	0	0	23
CFSM	.006	.006	.005	.18	.95	.50	.28	.23	.14	.0003	.27	1.38
IN.	.007	.006	.006	.18	1.03	.58	.31	.27	.16	.0004	.32	1.54

CAL YR 1963. TOTAL 3,643.0 MEAN 9.98 MAX 25 MIN 1.0 CFSM .05 IN .74  
WAT YR 1964. TOTAL 21,775.00 MEAN 59.5 MAX 504 MIN 0 CFSM .32 IN 4.40

Note --Flow consists of leakage and lockage Oct 1 to Jan 14, June 21, 28, July 4, 29, Aug 8, 14, 23

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	300	41	23	0	0	1.0	152	100	7.0	7.0	7.0	280
2	300	41	23	0	0	3.0	152	100	7.0	7.0	7.0	280
3	300	33	24	0	0	1.0	152	73	7.0	7.0	7.0	280
4	300	23	23	0	0	1.0	152	7.0	7.0	7.0	11	280
5	300	23	23	0	0	0	152	7.0	7.0	7.0	21	280
6	149	23	23	0	0	0	152	7.0	7.0	7.0	21	280
7	46	23	23	0	1.0	0	152	7.0	7.0	7.0	21	280
8	46	24	10	0	0	0	152	7.0	7.0	7.0	21	442
9	46	23	0	0	0	0	152	7.0	7.0	7.0	21	470
10	46	23	0	0	0	0	152	7.0	7.0	7.0	21	470
11	47	23	0	0	0	0	152	7.0	7.0	7.0	114	470
12	46	23	0	0	0	0	152	7.0	7.0	7.0	280	470
13	195	23	1.0	0	0	2.0	197	7.0	7.0	7.0	280	407
14	280	23	0	0	0	4.0	244	7.0	7.0	7.0	280	280
15	161	24	0	0	0	5.0	244	7.0	7.0	7.0	280	280
16	46	23	0	0	0	5.0	244	7.0	7.0	7.0	280	280
17	46	23	0	0	0	7.0	244	7.0	7.0	7.0	280	280
18	47	23	0	0	0	6.0	244	7.0	7.0	7.0	280	280
19	46	23	0	0	0	5.0	244	7.0	7.0	7.0	280	280
20	32	23	1.0	0	0	5.0	244	7.0	7.0	7.0	280	280
21	23	24	0	0	0	3.0	196	7.0	7.0	7.0	280	280
22	23	23	0	0	0	14	100	7.0	7.0	7.0	280	280
23	23	23	0	0	0	30	100	7.0	7.0	7.0	280	280
24	23	23	0	0	1.0	30	100	7.0	7.0	7.0	280	280
25	23	23	0	0	0	30	100	7.0	7.0	7.0	280	280
26	23	23	1.0	0	0	72	100	7.0	7.0	7.0	280	280
27	31	23	1.0	0	0	154	100	7.0	7.0	7.0	280	280
28	41	23	0	0	0	154	100	7.0	7.0	7.0	280	177
29	41	24	1.0	0	-----	154	100	7.0	7.0	7.0	280	32
30	41	23	0	0	-----	76	100	7.0	7.0	7.0	280	32
31	41	-----	0	0	-----	94	-----	7.0	-----	7.0	280	-----
TOTAL	3,112	740	177.0	0	2.0	856.0	4,825	469.0	210.0	217.0	5,872.0	8,850
MEAN	100	24.7	5.71	0	.071	27.6	161	15.1	7.00	7.00	189	295
MAX	300	41	24	0	1.0	154	100	7.0	7.0	7.0	280	470
MIN	23	23	0	0	0	0	100	7.0	7.0	7.0	7.0	32
CFSM	.55	.13	.03	0	.0003	.15	.87	.08	.04	.04	1.03	1.60
IN.	.63	.15	.04	0	.0004	.17	.98	.09	.04	.04	1.19	1.79

CAL YR 1964: TOTAL 25,708.00 MEAN 70.2 MAX 504 MIN 0 CFSM .38 IN 5.20  
WAT YR 1965: TOTAL 25,330.00 MEAN 69.4 MAX 470 MIN 0 CFSM .38 IN 5.12

Note --Flow consists of leakage and lockage Dec 13, 20, 26, 27, 29

2-2380 Haines Creek at Lisbon, Fla

Location --Lat 28°52'20", long 81°46'50" in sec 2, T 19 S, R 25 E, on left bank at upstream side of Burrell lock and dam, 900 ft (revised) upstream from bridge on State Highway 44, a quarter of a mile south of Lisbon, Lake County, and 7 miles northeast of Leesburg

Drainage area --640 sq mi, approximately

Records available --July 1942 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Aug 22, 1956, staff gage at site 1,000 ft downstream at datum 58 93 ft higher and Aug 22, 1956, to Mar 5, 1957, at present datum Mar 6 to Oct 8, 1957, staff gage at present site and datum Mar 6 to Oct 8, 1957, auxiliary staff gage and since Oct 9, 1957, auxiliary water-stage recorder at downstream side of lock and dam

Average discharge --14 years (1942-56), 292 cfs, 9 years (1956-65), 325 cfs

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Nov 8-12, 1960	1,220	a 64 04	Many days	51	b 60 83
1962	Many days	53	c 62 06	do	d 3	e 60 66
1963	Mar 13, 1963	267	f 62 78	do	27	g 61 62
1964	Sept 11, 12, 1964	364	h 63 18	do	27	i 61 61
1965	Aug 12, 1965	828	j 63 03	do	21	k 61 69

a Occurred Oct 14, 15, 1960

b Occurred July 18, 1961 (affected by wind)

c Occurred Sept 30, 1962

d Lock and dam closed and flow consists of leakage and lockage (estimated)

e Occurred May 30, 1962 (affected by wind)

f Occurred July 16, 1963 (affected by wind)

g Occurred Dec 5, 1962 (affected by wind)

h Occurred Mar 26, 1964

i Occurred Sept 9, 1964

j Occurred June 25, 1965 (affected by wind)

k Occurred June 7, 1965 (affected by wind)

1942-65 Maximum daily discharge, 1,330 cfs Mar 13, 14, 16, 1958, maximum gage height, 64 50 ft Apr 5, 7, 8, 1960, no flow Sept 21 to Dec 22, 1956, caused by temporary cofferdam upstream, minimum gage height, 56 84 ft Jan 20, 1957 (former site, present datum), minimum discharge prior to closure of cofferdam, 66 cfs Sept 18, 1956 (gage height, 58 54 ft), former site, present datum Minimum discharge after closure of lock and dam, 3 cfs (estimated) Dec 6, 1961, to Jan 6, 1962 (lockage and leakage only), minimum gage height, 60 30 ft Mar 12, 1957

Maximum stage known, about 65 3 ft in 1926 (former site, present datum), from information by local residents

Remarks --Records fair except those below 100 cfs, which are poor Since Dec 23, 1956, flow regulated at station by manipulation of radial gates in spillway by Oklawaha Basin Recreation and Water Conservation and Control Authority Lock-filling tubes are occasionally used to discharge water

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,120	1,150	1,130	954	822	812	349	116	51	53	51	52
2	1,120	1,150	1,120	955	821	812	345	116	51	53	52	52
3	1,110	1,140	1,120	954	821	757	283	116	51	53	51	54
4	1,110	1,170	1,120	954	822	702	233	95	51	53	51	53
5	1,110	1,190	1,120	945	822	696	179	52	54	52	53	52
6	1,120	1,190	1,100	945	822	695	117	52	51	56	53	52
7	1,140	1,200	1,100	946	821	694	115	55	51	51	52	52
8	1,150	1,220	1,100	945	821	694	117	52	52	53	51	52
9	1,170	1,220	1,070	945	821	694	118	53	52	54	51	53
10	1,150	1,220	984	945	821	694	117	52	52	52	51	54
11	1,120	1,220	985	946	822	606	116	52	53	52	51	52
12	1,120	1,220	984	945	822	535	116	52	51	53	52	52
13	1,130	1,200	974	945	821	533	116	52	51	52	52	52
14	1,140	1,200	974	946	822	533	116	54	51	51	51	52
15	1,140	1,200	974	945	822	534	118	52	51	54	51	52
16	1,130	1,190	974	945	822	534	117	52	51	53	51	53
17	1,130	1,190	974	945	822	533	115	52	51	51	51	52
18	1,130	1,190	974	945	822	533	115	52	52	52	51	52
19	1,130	1,190	964	935	822	540	115	52	52	52	52	52
20	1,130	1,180	964	935	821	540	115	53	51	52	53	52
21	1,120	1,170	964	935	822	539	115	53	51	51	52	52
22	1,120	1,170	964	935	822	540	116	52	51	52	52	52
23	1,110	1,170	964	935	822	540	117	52	52	54	53	53
24	1,110	1,160	964	936	821	534	116	52	52	52	52	53
25	1,110	1,160	964	925	821	534	115	52	53	52	52	52
26	1,100	1,160	965	926	813	535	116	52	52	52	53	52
27	1,100	1,150	965	887	813	443	115	52	52	52	56	52
28	1,130	1,150	955	821	812	349	116	54	52	52	52	52
29	1,150	1,150	955	821	-----	348	117	51	52	53	52	52
30	1,150	1,140	954	821	-----	349	118	51	51	53	53	52
31	1,160	-----	954	822	-----	348	-----	51	-----	51	52	-----
TOTAL	34,960	35,410	31,273	28,684	22,978	17,730	4,293	1,854	1,548	1,626	1,610	1,569
MEAN	1,128	1,180	1,009	925	821	572	143	59.8	51.6	52.5	51.9	52.3
MAX	1,170	1,220	1,130	955	822	812	349	116	54	56	56	54
MIN	1,100	1,140	954	821	812	348	115	51	51	51	51	52
CFSM	1.76	1.84	1.58	1.45	1.28	.89	.22	.09	.08	.08	.08	.08
IN.	2.03	2.06	1.82	1.67	1.34	1.03	.25	.11	.09	.09	.09	.09
CAL YR 1960	TOTAL 361,466			MEAN 988		MAX 1,260		MIN 301	CFSM 1.54	IN 21.00		
WAT YR 1961	TOTAL 183,535			MEAN 503		MAX 1,220		MIN 51	CFSM 1.79	IN 10.67		

2-2380 Haines Creek at Lisbon, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	53	52	52		27	27	26	26	27	26	26	28
2	52	52	52		26	26	26	26	27	26	26	28
3	52	52	53		27	27	30	26	27	26	26	28
4	53	52	52	3.0	27	27	27	26	27	28	26	27
5	52	52	19		27	26	26	27	26	27	28	27
6	52	52			27	26	26	27	26	26	26	27
7	52	52		10	26	26	26	26	27	26	26	27
8	53	52		27	27	26	27	27	26	27	26	27
9	52	52		26	27	26	27	26	27	26	26	28
10	53	52		26	27	27	27	26	27	27	26	27
11	52	53		26	27	27	26	26	26	27	26	27
12	52	53		26	26	26	27	27	26	27	26	27
13	52	52		27	27	26	27	26	26	26	26	27
14	52	52		27	27	26	27	26	26	26	26	27
15	52	52		27	27	26	27	27	26	27	26	27
16	52	52		27	27	27	26	27	28	26	26	28
17	53	52		27	27	27	27	26	26	26	26	27
18	53	52	3.0	27	28	27	27	26	27	26	26	27
19	52	52		27	28	27	28	26	27	26	27	27
20	52	52		28	27	27	28	27	26	26	26	27
21	53	52		26	27	27	27	26	26	27	26	27
22	53	52		27	27	26	27	26	26	27	29	27
23	52	52		27	27	26	27	27	27	26	26	28
24	52	52		26	27	27	26	26	27	26	26	27
25	52	52		26	27	26	26	26	26	26	27	27
26	52	53		26	27	26	26	27	27	26	27	27
27	52	52		27	26	27	27	27	26	26	27	27
28	52	52		27	27	27	27	26	26	26	27	27
29	52	52		26	-----	26	27	26	26	33	27	27
30	53	51		26	-----	27	26	26	27	26	27	28
31	52	-----		27	-----	27	-----	26	-----	26	27	-----
TOTAL	1,621	1,562	306.0	667.0	755	822	804	816	794	824	819	817
MEAN	52.3	52.1	9.87	21.5	27.0	26.5	26.8	26.3	26.5	26.6	26.4	27.2
MAX	53	53	53	28	28	27	30	27	28	33	29	28
MIN	52	51	-	-	26	26	26	26	26	26	26	27
CFSM	.08	.08	.02	.03	.04	.04	.04	.04	.04	.04	.04	.04
IN%	.09	.09	.02	.04	.04	.05	.05	.05	.05	.05	.05	.05
CAL YR 1961	TOTAL 85,381.0		MEAN 236		MAX 955	MIN -		CFSM .37		IN 4.96		
WAT YR 1962	TOTAL 106,067.0		MEAN 293.1		MAX 93	MIN -		CFSM .05		IN .62		

Note --Flow consists of leakage and lockage Dec 6 to Jan 6

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	27	27	27	27	28	92	29	28	29	29	113	113
2	27	27	27	28	28	92	28	28	29	29	113	112
3	27	27	27	28	28	93	30	27	29	32	113	110
4	29	28	27	27	27	93	30	28	29	33	113	110
5	27	27	28	28	27	96	30	28	29	32	113	110
6	28	27	27	28	28	95	30	28	29	33	113	110
7	29	27	27	27	28	93	32	29	29	33	113	111
8	27	27	27	27	28	92	31	28	30	32	113	111
9	27	27	28	28	29	93	32	28	29	34	112	109
10	27	27	27	28	28	98	31	28	29	39	112	78
11	28	27	27	28	28	111	29	28	28	40	112	55
12	27	27	27	28	29	201	30	28	27	38	111	55
13	27	27	27	27	27	267	29	27	27	40	112	55
14	28	27	27	28	29	266	29	27	27	40	111	56
15	27	27	27	28	29	264	29	28	28	39	111	58
16	27	27	27	27	28	265	29	27	29	40	111	55
17	27	27	27	27	28	265	29	27	28	39	114	41
18	27	28	27	27	29	265	30	27	28	40	113	27
19	27	27	27	28	29	265	28	28	27	40	111	27
20	27	27	27	28	29	264	30	28	27	39	111	27
21	28	28	27	28	30	261	30	27	28	39	112	29
22	27	27	27	27	29	194	28	27	28	39	112	30
23	27	27	27	27	28	123	26	27	26	96	111	28
24	27	28	28	27	29	123	27	27	28	113	113	28
25	27	28	28	27	29	123	27	28	27	114	114	28
26	27	27	27	27	29	72	28	28	29	114	112	28
27	27	28	27	28	27	30	29	29	27	123	111	26
28	28	27	28	27	27	62	28	29	28	114	112	31
29	27	27	28	28	-----	29	27	28	29	113	111	32
30	27	27	27	28	-----	29	27	29	29	139	110	29
31	27	-----	27	28	-----	30	-----	29	-----	112	112	-----
TOTAL	846	815	844	855	829	4,411	875	861	849	1,835	3,475	1,822
MEAN	27.3	27.2	27.2	27.6	29.0	142	29.2	27.8	28.3	29.2	112	60.7
MAX	29	28	28	29	62	267	32	29	30	139	114	113
MIN	27	27	27	27	27	28	27	27	27	29	110	27
CFSM	.04	.04	.04	.04	.05	.22	.05	.04	.04	.09	.18	.09
IN%	.05	.05	.05	.05	.05	.26	.05	.05	.05	.11	.20	.11
CAL YR 1962	TOTAL 9,623.0		MEAN 26.4		MAX 33	MIN 3.0		CFSM .04		IN .56		
WAT YR 1963	TOTAL 18,317		MEAN 50.2		MAX 267	MIN 27		CFSM .08		IN 1.06		

## 2-2380 Haines Creek at Libson, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	28	28	28	29	335	379	517	64	212	41	42	665
2	28	27	28	29	335	379	518	82	212	41	44	665
3	28	27	28	28	376	172	532	82	212	42	43	665
4	29	27	28	30	479	173	532	68	212	43	43	659
5	29	27	28	28	479	172	533	67	212	42	43	660
6	28	28	29	30	593	172	530	68	212	41	42	661
7	28	27	28	32	834	174	524	71	213	41	43	661
8	28	27	28	33	833	175	422	74	267	40	43	804
9	28	27	28	34	833	173	167	74	319	41	45	845
10	28	27	28	32	834	154	167	74	318	40	43	830
11	28	28	29	32	833	134	165	71	319	40	87	964
12	29	28	29	45	825	133	165	70	318	41	130	964
13	30	27	29	94	825	136	112	70	316	41	129	917
14	27	27	28	103	825	139	62	69	316	41	129	771
15	27	27	28	103	826	140	58	64	270	40	130	679
16	27	27	27	104	825	134	58	61	91	41	131	672
17	27	27	28	113	817	141	58	62	41	41	129	672
18	27	27	28	134	825	142	58	61	41	40	129	672
19	27	28	28	135	825	143	58	110	41	41	130	672
20	29	28	28	135	817	149	55	173	40	41	130	672
21	27	27	28	136	817	149	55	173	42	42	159	672
22	27	27	28	137	809	144	54	172	42	41	215	672
23	27	28	28	137	809	141	55	175	41	43	218	672
24	27	27	28	141	809	142	53	173	41	43	289	672
25	27	28	28	143	809	143	53	170	40	42	370	672
26	28	28	28	142	606	147	53	191	40	41	487	673
27	30	28	29	142	377	150	53	215	41	42	665	673
28	27	28	29	251	377	371	54	214	42	42	659	672
29	27	28	28	335	378	528	56	215	40	42	673	672
30	27	29	29	335	-----	522	55	216	40	44	673	672
31	27	-----	28	335	-----	518	-----	218	-----	41	665	-----
TOTAL	861	824	874	3,537	19,965	6,427	5,832	3,667	4,591	1,282	6,758	21,492
MEAN	27.8	27.5	28.2	114	648	207	194	118	153	41.4	218	716
MAX	30	29	29	335	834	528	533	218	319	44	673	964
MIN	27	27	27	28	335	133	53	61	40	40	42	659
CFSM	.04	.04	.04	.18	1.08	.32	.30	.18	.24	.06	.34	1.12
IN.	.05	.05	.05	.21	1.16	.37	.34	.21	.27	.07	.39	1.25
CAL YR 1963- TOTAL	18,371			MEAN 50.3								
WAT YR 1964- TOTAL	76,110			MEAN 208		MAX 267	MIN 27	CFSM .08	IN 1.07			
						MAX 964						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	672	98	96	31	29	131	367	101	21	21	129	793
2	672	98	96	30	29	131	367	103	21	21	163	793
3	673	98	96	30	29	132	363	78	21	22	266	793
4	673	97	97	29	29	131	364	22	21	23	266	786
5	672	98	98	29	29	188	363	22	22	23	266	786
6	436	98	98	29	29	377	363	22	24	22	266	785
7	250	99	67	29	30	378	363	22	21	21	267	777
8	250	100	28	29	30	373	360	25	21	21	271	777
9	250	98	28	29	31	373	360	23	21	21	271	785
10	251	97	28	30	29	374	361	21	22	22	303	785
11	252	97	28	28	31	374	361	21	21	23	474	785
12	250	98	28	29	30	374	360	22	23	22	828	777
13	324	97	29	29	30	374	331	21	22	22	331	680
14	665	98	28	29	30	374	256	22	21	22	332	451
15	407	98	28	29	30	374	257	22	21	22	334	451
16	266	97	28	29	30	374	257	23	22	23	375	451
17	265	97	28	29	29	374	258	21	21	23	460	451
18	267	97	28	29	29	374	258	21	21	23	519	452
19	264	97	28	30	29	374	257	21	22	22	519	452
20	264	97	29	29	30	374	161	21	23	23	572	451
21	261	97	29	30	32	371	100	21	21	22	640	447
22	261	96	28	29	72	370	101	21	21	22	642	447
23	261	96	28	30	131	371	100	22	21	23	640	447
24	261	97	29	69	132	370	102	21	21	24	728	447
25	262	97	28	61	131	371	102	21	21	24	809	448
26	261	97	28	30	132	370	100	21	23	22	801	448
27	174	96	29	29	132	371	100	21	23	50	801	447
28	98	97	30	29	132	368	101	22	21	128	802	195
29	98	97	30	29	-----	366	101	22	21	127	802	84
30	98	96	30	29	-----	367	100	22	22	127	801	84
31	98	-----	30	29	-----	368	-----	25	-----	128	801	-----
TOTAL	10,156	2,921	1,333	978	1,486	10,391	7,394	893	647	1,139	15,479	16,755
MEAN	328	97.4	43.0	31.5	53.1	335	246	28.8	21.6	36.7	499	559
MAX	673	100	98	69	132	378	367	103	24	128	828	793
MIN	98	96	28	28	29	131	100	21	21	21	129	84
CFSM	.51	.15	.07	.05	.08	.52	.39	.05	.03	.06	.78	.87
IN.	.59	.17	.08	.06	.09	.60	.43	.05	.04	.07	.90	.97
CAL YR 1964- TOTAL	87,991			MEAN 240		MAX 964	MIN 28	CFSM .38	IN 5.11			
WAT YR 1965- TOTAL	69,572			MEAN 191		MAX 828	MIN 21	CFSM .30	IN 4.04			

## 2-2390 Oklawaha River near Ocala, Fla

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

Drainage area --1,070 sq mi, (revised), approximately

Records available --February 1930 to September 1965

Gage --Water-stage recorder Datum of gage is 36 52 ft above mean sea level, datum of 1929, supplementary adjustment of 1937 (Corps of Engineers bench mark) Prior to Mar 2, 1932, staff gage at same site and datum

Average discharge --35 years, 420 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 11, 1961	a 431	b 5 02	June 8, 9, 1961	c 41	d -0 58
1962	Sept 24, 1962	138	e 15	May 15, 16, 1962	c 7 2	f -1 38
1963	Sept 23, 1963	470	1 90	June 23, 1963	8 8	g -1 50
1964	Sept 11, 1964	1,360	4 48	Dec 23, 1963	9 9	-1 16
1965	Aug 10, 1965	1,190	3 89	June 3, 1965	28	- 03

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 2,040 cfs Oct 8, 1960, occurred on recession following crest of Sept 13, 1960  
b Occurred Oct 8, 1960  
c Minimum daily d Occurred Aug 12, 1961 e Occurred July 20, 1962 f Occurred Mar 28-31, 1962  
g Occurred May 25, 26, 1963

1930-65 Maximum discharge, 2,270 cfs Mar 18, 1960 (gage height, 5 68 ft), minimum daily, 7 2 cfs May 15, 16, 1962, minimum gage height, -2 43 ft Mar 19, 20, 1957

Remarks --Records good except those for period of shifting control, which are fair, and those prior to Oct 1, 1963, which are poor Low flow regulated at Moss Bluff Dam 12 miles above station Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,760	1,510	1,430	1,460	1,380	972	593	272	56	187	72	136
2	1,690	1,510	1,420	1,460	1,360	960	573	281	54	255	73	120
3	1,650	1,510	1,410	1,460	1,350	950	556	266	149	262	76	101
4	1,630	1,510	1,400	1,450	1,360	945	534	259	215	261	74	88
5	1,600	1,490	1,400	1,430	1,320	935	499	274	126	150	183	81
6	1,670	1,470	1,410	1,420	1,320	935	477	268	62	90	249	83
7	1,950	1,460	1,410	1,400	1,390	930	495	260	49	90	148	119
8	2,040	1,470	1,410	1,390	1,450	920	445	249	41	185	76	118
9	2,010	1,470	1,410	1,400	1,430	900	427	243	41	243	66	129
10	2,010	1,470	1,420	1,390	1,390	910	469	284	152	168	72	196
11	1,950	1,470	1,410	1,380	1,360	915	443	265	237	107	72	431
12	1,910	1,460	1,420	1,370	1,310	910	419	234	166	82	65	367
13	1,920	1,450	1,430	1,360	1,280	905	427	239	83	70	64	293
14	1,870	1,440	1,410	1,360	1,270	915	412	261	84	69	75	275
15	1,820	1,460	1,440	1,370	1,240	910	403	160	92	189	85	273
16	1,780	1,470	1,500	1,370	1,220	880	404	99	91	252	123	218
17	1,700	1,470	1,510	1,360	1,220	762	388	81	181	153	153	167
18	1,680	1,480	1,500	1,350	1,150	680	358	80	228	84	160	118
19	1,660	1,480	1,490	1,330	1,050	643	342	75	145	86	228	131
20	1,660	1,470	1,490	1,340	1,010	657	328	196	78	87	360	110
21	1,670	1,450	1,490	1,340	1,000	677	313	243	72	77	284	95
22	1,640	1,480	1,510	1,320	996	670	311	139	96	176	222	91
23	1,580	1,470	1,510	1,300	990	657	308	75	82	253	194	102
24	1,560	1,460	1,500	1,300	1,000	646	299	61	179	162	168	89
25	1,550	1,450	1,480	1,300	1,000	637	286	60	236	90	145	79
26	1,550	1,450	1,460	1,270	1,000	640	281	57	141	67	136	81
27	1,530	1,460	1,470	1,230	988	637	276	175	83	65	145	81
28	1,510	1,440	1,460	1,250	984	623	269	239	82	62	132	76
29	1,500	1,450	1,450	1,380	-----	597	264	130	84	185	153	92
30	1,480	1,440	1,450	1,430	-----	587	269	70	88	249	196	84
31	1,490	-----	1,460	1,410	-----	584	-----	61	-----	137	169	-----
TOTAL	53,020	44,070	44,980	42,380	33,818	24,489	11,868	5,656	3,473	4,593	4,418	4,424
MEAN	1,710	1,469	1,450	1,367	1,208	790	396	182	116	148	143	147
MAX	2,040	1,510	1,510	1,460	1,450	972	593	284	237	262	360	431
MIN	1,480	1,440	1,400	1,230	984	584	264	57	41	62	64	76
CFSM	1.60	1.37	1.36	1.28	1.13	.74	.37	.17	.11	.14	.13	.14
IN.	1.84	1.53	1.56	1.47	1.18	.85	.41	.20	.12	.16	.15	.15

CAL YR 1960: TOTAL 526,501 MEAN 1,439 MAX 2,190 MIN 672 CFSM 1.34 IN 18.30

MAT YR 1961: TOTAL 277,169 MEAN 759 MAX 2,040 MIN 41 CFSM .71 IN 9.63

## ST JOHNS RIVER BASIN

2-2390 Oklawaha River near Ocala, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	83	38	12	9.4	12	11	16	9.6	9.6	51	75	35
2	80	38	15	14	11	12	14	9.6	11	34	87	37
3	76	40	11	10	11	12	13	9.0	16	25	86	38
4	73	35	9.6	11	11	11	14	9.0	11	20	90	44
5	70	33	13	9.6	13	10	14	9.0	11	17	67	49
6	68	36	11	11	13	10	16	8.4	9.6	16	55	48
7	66	36	11	10	10	13	18	7.8	9.6	15	67	47
8	66	40	10	11	10	11	16	7.8	9.6	16	84	63
9	72	43	11	15	11	11	19	8.4	11	17	77	57
10	94	35	11	12	12	10	16	9.0	12	17	56	58
11	86	31	14	11	13	11	14	9.0	12	16	58	54
12	91	28	11	20	15	11	14	8.4	11	16	53	49
13	88	28	14	17	12	11	14	7.8	11	16	57	67
14	72	34	11	14	12	11	14	7.8	10	24	46	60
15	70	31	12	17	12	14	16	7.2	10	24	41	51
16	66	22	11	14	12	13	14	7.2	9.6	23	35	49
17	66	26	16	11	11	12	14	7.8	11	24	35	57
18	76	26	13	12	15	11	14	7.8	11	31	30	51
19	76	19	16	13	13	10	13	7.8	9.6	37	29	47
20	66	17	14	14	11	9.6	13	7.8	9.0	98	42	60
21	55	17	11	14	11	11	11	8.4	11	95	57	77
22	51	21	11	16	11	10	11	9.0	16	63	61	81
23	49	20	14	14	11	17	10	10	24	47	54	86
24	49	20	11	12	11	14	10	9.6	17	37	62	114
25	57	18	9.6	11	11	14	9.6	9.6	20	31	79	116
26	49	16	9.0	13	14	15	11	9.6	29	34	77	110
27	46	20	9.6	14	11	11	11	9.6	20	42	64	100
28	44	16	14	17	11	10	10	9.6	20	54	62	91
29	48	14	10	13	-----	9.6	10	10	22	54	57	99
30	42	14	9.0	13	-----	9.6	10	10	53	49	45	92
31	40	-----	8.4	13	-----	11	-----	11	-----	54	37	-----
TOTAL	2,035	812	363.2	406.2	332	355.8	399.2	272.6	446.6	1,097	1,825	1,987
MEAN	65.6	27.1	11.7	13.1	11.9	11.5	13.3	8.79	14.9	35.4	58.9	66.2
MAX	94	43	16	20	15	17	19	11	19.3	98	90	116
MIN	40	14	8.4	9.6	10	9.6	9.6	7.2	9.0	15	29	38
CFSM	.06	.03	.01	.01	.01	.01	.01	.008	.01	.03	.06	.06
IN.	.07	.03	.01	.01	.01	.01	.01	.009	.02	.04	.06	.07

CAL YR 1961 TOTAL 138,329.2 MEAN 379 MAX 1,460 MIN 8.4 CFSM .35 IN 4.81  
 MAY YR 1962 TOTAL 10,331.0 MEAN 28.3 MAX 116 MIN 7.2 CFSM .03 IN .36

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	95	65	31	52	54	319	338	93	23	11	27	277
2	151	51	30	45	60	323	317	84	22	11	26	366
3	155	48	29	43	48	306	238	78	20	13	32	351
4	158	44	29	42	86	294	146	75	19	15	34	197
5	162	41	29	42	107	296	131	73	20	13	31	116
6	160	40	29	75	107	328	124	71	20	11	27	84
7	155	39	28	58	91	355	138	71	20	11	26	200
8	149	41	30	58	93	342	132	69	18	13	26	279
9	149	50	29	49	76	340	131	65	18	18	31	253
10	146	46	30	43	65	383	131	64	18	30	116	120
11	141	39	32	42	69	383	120	63	17	27	193	73
12	107	39	28	41	225	394	111	62	17	30	200	55
13	87	40	26	42	298	407	123	58	16	28	166	49
14	79	37	26	60	225	403	107	55	15	20	135	185
15	86	37	27	76	173	385	99	49	14	17	127	269
16	76	36	27	57	142	379	96	37	14	16	123	227
17	68	35	27	47	116	377	93	29	14	15	181	117
18	65	34	27	44	92	368	92	27	12	14	256	79
19	64	34	27	43	138	370	103	26	13	15	271	55
20	60	33	27	44	236	383	109	24	11	14	185	48
21	59	35	27	55	211	390	109	24	10	14	177	186
22	82	39	27	51	186	372	107	23	9.9	15	186	279
23	91	36	28	63	178	336	100	20	9.2	18	139	436
24	76	40	28	96	177	309	92	20	10	19	213	416
25	65	37	28	88	211	296	88	19	15	27	290	346
26	60	34	43	93	263	298	86	19	16	34	292	302
27	32	36	31	91	311	298	83	29	14	30	155	222
28	54	39	71	104	321	290	83	25	14	26	97	269
29	51	37	65	83	-----	283	86	26	13	22	75	321
30	47	32	55	58	-----	288	79	23	12	20	66	311
31	63	-----	55	47	-----	288	-----	24	-----	22	183	-----
TOTAL	3,017	1,190	1,086	1,840	4,359	10,583	3,792	1,418	444.1	589	4,089	6,488
MEAN	97.3	39.7	35.0	59.4	156	341	126	45.7	15.5	19.0	132	216
MAX	162	65	91	104	321	407	338	93	23	34	292	436
MIN	47	32	26	41	48	283	79	19	9.2	11	26	48
CFSM	.09	.04	.03	.06	.15	.32	.12	.04	.01	.02	.12	.20
IN.	.10	.04	.04	.06	.15	.37	.13	.05	.02	.02	.14	.23

CAL YR 1962 TOTAL 12,414.4 MEAN 34.0 MAX 162 MIN 7.2 CFSM .03 IN .43  
 MAY YR 1963 TOTAL 38,915.1 MEAN 107 MAX 436 MIN 9.2 CFSM .10 IN 1.35

## 2-2390 Oklawaha River near Ocala, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	220	15	19	52	578	822	700	288	228	91	373	368
2	156	15	18	39	589	768	700	315	141	95	370	339
3	121	14	22	26	586	737	633	373	112	104	342	342
4	90	14	16	20	597	577	577	382	100	100	316	359
5	218	14	15	20	609	427	577	310	93	142	300	377
6	286	16	14	19	662	352	560	238	93	169	288	388
7	222	17	17	23	697	352	500	204	94	136	316	403
8	103	16	20	19	885	455	472	182	93	112	337	391
9	70	16	16	28	885	447	498	248	93	101	298	441
10	54	22	13	51	835	296	505	316	92	98	279	740
11	42	27	12	45	876	222	523	320	91	98	279	1,280
12	128	24	13	193	965	206	526	215	91	105	277	1,320
13	214	20	14	319	1,020	204	498	169	88	130	269	1,300
14	139	18	14	292	1,040	277	368	151	85	116	274	1,220
15	58	20	14	198	1,060	363	308	145	83	105	269	1,140
16	41	19	13	135	1,080	370	247	248	85	98	266	1,090
17	37	16	12	229	1,070	268	186	311	82	105	313	1,060
18	34	16	11	410	1,100	208	226	310	81	117	316	1,040
19	118	15	11	475	1,130	179	327	200	110	110	308	1,030
20	197	14	11	502	1,110	203	328	155	79	240	337	1,010
21	124	14	11	512	1,090	288	208	139	79	277	395	994
22	47	14	11	470	1,090	372	162	140	78	266	397	994
23	41	14	12	434	1,080	373	139	214	77	230	373	994
24	32	14	12	418	1,080	250	133	268	76	250	330	994
25	27	17	12	434	1,080	202	244	269	75	286	301	1,010
26	23	20	12	454	1,080	202	313	177	77	471	291	1,010
27	27	18	13	436	1,080	248	336	179	79	748	331	994
28	18	15	11	484	1,080	390	288	120	79	664	421	984
29	18	19	13	487	945	608	350	179	90	514	477	984
30	16	20	15	499	-----	636	316	238	90	485	431	984
31	16	-----	31	553	-----	644	-----	271	-----	401	417	-----
TOTAL	2,930	513	450	8,276	26,979	11,946	11,758	7,222	2,784	6,964	10,270	25,580
MEAN	94.5	16.1	14.5	267	870.9	386.2	379.3	233.8	92.8	225.3	331.9	853.8
MAX	286	27	31	553	1,130	822	700	382	228	748	447	1,320
MIN	16	14	11	19	578	179	133	120	75	91	266	339
CFSM	.09	.02	.01	.25	.87	.36	.37	.22	.09	.21	.31	.80
IN.	.10	.02	.02	.29	.94	.42	.41	.25	.10	.24	.36	.89

CAL YR 1963 TOTAL 37,515.1 MEAN 103 MAX 1,436 MIN 9.2 CFSM .10 IN 1.30  
 WAT YR 1964 TOTAL 115,672 MEAN 316 MAX 1,320 MIN 11 CFSM .30 IN 4.02

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	965	280	133	255	210	330	432	190	31	72	398	876
2	980	292	135	235	228	315	428	252	30	100	524	876
3	970	220	137	222	228	312	430	202	28	126	545	876
4	965	170	148	235	212	335	428	98	30	115	551	876
5	935	144	262	218	200	328	425	76	36	126	635	866
6	920	137	400	205	198	355	422	67	41	106	772	862
7	907	190	465	240	242	410	418	62	36	100	884	858
8	889	285	465	280	285	440	410	58	49	108	858	862
9	889	285	442	168	305	450	408	56	61	124	930	866
10	790	208	425	160	302	448	390	55	80	162	1,170	871
11	638	162	410	162	290	448	355	52	94	158	1,110	871
12	560	146	400	153	280	448	330	50	117	155	1,040	858
13	503	137	388	146	268	460	315	49	101	392	955	848
14	478	210	370	148	270	488	308	46	98	448	898	858
15	472	288	305	190	295	482	302	45	96	412	871	866
16	465	285	242	255	280	478	305	43	101	400	866	853
17	450	218	218	228	258	475	308	42	112	593	840	853
18	435	175	205	192	238	470	308	42	108	635	808	844
19	422	155	190	168	218	468	305	40	105	521	786	830
20	408	146	180	151	205	468	198	38	89	494	781	817
21	395	144	172	144	200	465	115	37	82	551	776	812
22	390	139	168	142	198	462	98	36	71	465	776	804
23	380	137	162	133	230	460	95	36	64	380	763	799
24	372	135	160	165	310	455	210	36	68	318	768	794
25	368	139	155	260	382	450	275	36	74	288	794	741
26	358	135	153	260	382	445	272	36	68	268	812	663
27	300	133	275	282	365	440	142	34	64	235	826	649
28	210	132	380	278	342	440	103	33	67	215	830	702
29	165	135	398	240	-----	442	89	34	56	208	840	713
30	146	133	348	222	-----	445	83	34	61	232	848	725
31	20	-----	295	220	-----	440	-----	33	-----	308	862	-----
TOTAL	17,333	5,510	8,586	6,207	7,421	13,352	8,707	1,948	2,119	8,815	25,117	24,589
MEAN	559	184	277	200	265	431	290	62.8	70.6	284	810	820
MAX	980	292	465	282	382	488	432	252	117	635	1,170	876
MIN	146	132	133	133	198	312	93	29	72	398	649	702
CFSM	.52	.17	.26	.19	.25	.40	.27	.06	.07	.27	.76	.77
IN.	.60	.19	.30	.22	.26	.46	.30	.07	.07	.31	.87	.85

CAL YR 1964 TOTAL 143,208 MEAN 391 MAX 1,320 MIN 19 CFSM .37 IN 4.98  
 WAT YR 1965 TOTAL 129,704 MEAN 357 MAX 1,170 MIN 29 CFSM .33 IN 4.51

Note --Shifting-control method used Oct 1 to Dec 9





2-2395 Silver Springs near Ocala, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	861	830	781	760	729	707	688	665	641	636	643	653
2	863	824	782	754	727	707	681	665	643	634	642	653
3	866	818	783	750	726	707	678	662	643	636	643	652
4	859	816	783	750	728	708	679	658	641	639	644	653
5	852	819	784	752	730	707	682	659	641	639	643	655
6	850	822	786	758	726	704	686	658	642	636	644	656
7	852	819	781	753	720	701	687	658	640	634	646	657
8	852	818	776	748	722	699	685	657	636	637	650	656
9	852	813	775	742	727	701	680	657	634	640	650	654
10	852	811	775	744	726	700	678	657	635	638	649	655
11	852	812	776	742	716	701	679	656	637	636	646	656
12	851	807	778	742	718	701	680	654	639	635	646	657
13	851	807	774	738	720	697	677	652	639	636	647	657
14	852	807	771	742	720	694	674	650	637	634	646	658
15	845	805	767	746	720	698	677	651	637	634	646	660
16	845	805	770	742	719	694	673	652	637	634	648	660
17	846	807	775	738	716	688	670	651	633	634	649	661
18	846	805	777	741	714	689	671	650	632	634	649	660
19	847	803	770	742	713	693	673	649	635	634	648	660
20	844	797	765	736	712	697	673	651	637	633	648	662
21	840	794	762	731	713	699	668	652	636	634	650	660
22	837	798	764	734	714	697	667	650	632	636	652	660
23	834	805	768	736	712	694	669	648	632	636	652	661
24	831	796	763	736	710	689	669	646	634	635	652	662
25	828	787	756	736	708	692	669	644	636	636	653	663
26	827	787	756	734	709	692	667	644	635	636	655	664
27	826	783	753	738	709	684	663	647	637	636	657	667
28	828	797	765	736	709	684	667	643	632	638	653	663
29	826	792	754	725	-----	683	665	640	634	639	653	660
30	826	782	749	728	-----	685	664	639	636	640	652	662
31	829	-----	752	730	-----	690	-----	641	-----	642	653	-----
TOTAL	26,168	24,176	23,882	22,984	20,113	21,584	20,243	20,204	19,099	19,722	20,107	19,757
MEAN	864	806	770	741	718	694	675	652	637	636	649	659
MAX	866	830	786	760	730	708	688	665	643	642	655	667
MIN	826	782	749	725	708	683	664	639	632	633	642	652

CAL YR 1961 TOTAL 330,495 MEAN 905 MAX 1,130 MIN 749  
WAT YR 1962 TOTAL 258,039 MEAN 707 MAX 1,186 MIN 632

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	666	663	646	630	622	642	660	654	634	622	634	651
2	667	659	644	632	624	641	664	651	634	624	634	650
3	666	660	645	629	624	637	660	651	632	626	634	650
4	667	657	645	627	623	641	664	651	632	626	634	652
5	668	655	646	628	625	648	664	652	632	625	634	655
6	667	653	641	633	626	649	667	652	632	625	634	655
7	667	653	637	633	626	643	670	649	632	625	635	654
8	668	656	641	630	624	642	663	646	632	627	636	654
9	668	660	640	624	619	648	663	645	633	627	636	654
10	665	653	634	624	620	651	663	648	632	627	636	654
11	665	653	636	625	625	653	662	650	632	624	637	652
12	665	657	633	626	629	653	660	648	632	623	637	653
13	665	656	630	626	620	652	659	642	629	624	637	654
14	666	648	636	621	619	653	656	641	627	628	637	653
15	666	648	638	620	620	654	655	642	628	628	637	653
16	666	652	638	620	622	654	654	643	628	628	637	652
17	669	654	636	624	623	655	655	643	627	628	638	654
18	669	652	633	626	628	656	657	642	624	628	638	655
19	665	650	631	625	636	660	658	640	623	628	638	657
20	662	652	632	629	630	663	657	638	624	627	640	658
21	664	654	634	623	630	657	657	638	625	627	642	657
22	667	650	634	616	627	652	657	638	624	627	644	655
23	663	641	630	622	628	652	658	638	622	627	645	658
24	657	641	628	618	636	654	655	635	621	627	648	658
25	657	645	630	620	636	658	654	635	624	626	648	661
26	656	647	631	624	642	664	654	636	628	628	648	662
27	655	650	631	624	632	664	652	637	626	630	646	663
28	658	650	630	615	636	662	650	636	626	632	648	666
29	660	650	634	616	-----	660	650	636	624	634	648	669
30	666	649	630	620	-----	660	652	637	622	634	650	662
31	671	-----	629	622	-----	660	-----	636	-----	634	651	-----
TOTAL	20,601	19,568	19,703	19,352	17,552	20,238	19,746	19,930	18,841	19,446	19,841	19,681
MEAN	665	622	636	624	627	653	658	643	628	627	640	656
MAX	671	663	646	633	642	664	670	654	634	634	651	669
MIN	655	641	628	615	619	637	650	635	621	622	634	650

CAL YR 1962 TOTAL 243,685 MEAN 668 MAX 760 MIN 628  
WAT YR 1963 TOTAL 234,499 MEAN 642 MAX 671 MIN 615

## 2-2395 Silver Springs near Ocala, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	659	664	644	637	682	734	760	781	804	773	833	952
2	662	660	648	631	680	744	760	788	806	774	842	951
3	664	659	654	632	681	746	762	792	804	773	851	951
4	665	661	651	636	685	748	763	786	802	773	860	954
5	664	666	649	636	696	746	764	785	800	775	861	957
6	666	667	645	640	697	740	766	786	802	771	863	957
7	669	665	646	641	695	742	767	791	799	770	867	957
8	671	660	650	638	692	747	769	796	797	772	874	964
9	669	659	646	639	690	754	765	798	795	772	878	980
10	666	665	643	634	695	753	765	802	795	771	881	987
11	667	663	645	638	699	748	766	804	794	770	885	978
12	667	660	646	648	700	750	766	804	791	772	889	988
13	666	656	647	641	709	750	768	805	788	771	894	1,000
14	665	652	645	636	711	752	768	807	787	768	898	1,010
15	667	650	639	637	714	756	768	804	787	768	900	1,030
16	669	652	636	646	713	753	766	798	787	770	901	1,050
17	669	654	639	644	716	756	768	801	786	771	903	1,070
18	668	656	642	650	727	756	768	804	784	770	908	1,090
19	669	656	639	652	725	756	769	805	781	771	913	1,100
20	669	655	642	657	720	762	770	806	782	777	916	1,110
21	669	654	641	654	722	761	772	806	782	780	919	1,120
22	667	656	638	658	726	754	773	807	781	779	919	1,130
23	669	657	644	662	726	752	772	807	780	779	921	1,140
24	670	657	642	664	728	752	772	808	779	784	926	1,140
25	667	654	641	667	738	757	773	807	777	787	933	1,140
26	665	654	640	664	734	762	772	809	774	794	942	1,140
27	665	654	639	667	740	757	772	810	774	793	947	1,150
28	667	656	640	671	742	764	776	810	774	797	951	1,160
29	665	658	636	668	740	760	781	813	772	810	946	1,160
30	659	649	633	672	740	756	780	810	772	821	947	1,160
31	660	---	643	679	---	756	---	806	---	826	949	---
TOTAL	20,654	19,729	19,933	20,149	20,613	23,324	23,059	24,836	23,636	24,182	27,917	31,476
MEAN	666	658	643	650	711	752	769	801	788	780	901	1,049
MAX	671	667	654	679	742	764	781	813	806	826	951	1,160
MIN	659	649	633	631	680	734	760	781	772	768	833	951

CAL YR 1963 TOTAL 234,943  
WAT YR 1964 TOTAL 279,508MEAN 644 MAX 671 MIN 615  
MEAN 764 MAX 1,160 MIN 631

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,160	1,120	1,050	1,000	968	968	971	932	882	888	964	1,160
2	1,160	1,130	1,050	1,010	967	973	969	932	886	891	971	1,160
3	1,160	1,120	1,050	1,010	956	964	967	931	882	892	974	1,160
4	1,170	1,110	1,050	1,000	958	968	968	928	882	893	975	1,160
5	1,170	1,110	1,050	1,000	961	970	967	929	878	891	986	1,160
6	1,160	1,110	1,040	1,000	969	969	967	928	877	888	998	1,160
7	1,160	1,110	1,040	1,000	969	964	968	926	877	891	1,010	1,160
8	1,160	1,110	1,040	999	964	963	969	924	877	894	1,020	1,160
9	1,160	1,110	1,040	999	965	962	972	922	877	893	1,040	1,160
10	1,160	1,100	1,040	1,000	964	964	970	921	877	895	1,050	1,150
11	1,160	1,100	1,040	1,000	965	964	966	921	880	896	1,060	1,150
12	1,160	1,100	1,040	994	966	969	964	922	883	896	1,070	1,150
13	1,160	1,090	1,040	992	967	970	962	922	882	901	1,080	1,150
14	1,160	1,090	1,030	990	966	970	959	914	878	902	1,090	1,160
15	1,170	1,090	1,030	1,000	954	970	960	908	878	905	1,110	1,160
16	1,160	1,090	1,030	998	956	969	961	906	876	910	1,120	1,150
17	1,150	1,090	1,030	982	964	975	952	908	875	917	1,120	1,140
18	1,150	1,090	1,020	983	965	975	951	910	879	920	1,120	1,140
19	1,150	1,090	1,010	981	964	973	953	908	880	923	1,130	1,150
20	1,140	1,080	1,020	982	961	968	951	905	879	926	1,130	1,150
21	1,130	1,070	1,020	981	962	956	945	900	879	927	1,130	1,140
22	1,140	1,060	1,020	982	959	963	943	896	877	931	1,140	1,150
23	1,140	1,070	1,020	987	965	973	946	896	880	936	1,140	1,150
24	1,140	1,080	1,020	988	971	976	948	896	886	940	1,150	1,150
25	1,130	1,080	1,020	982	961	975	947	896	888	940	1,150	1,140
26	1,130	1,070	1,010	980	947	975	948	896	883	942	1,150	1,140
27	1,130	1,060	1,010	975	952	971	945	893	878	947	1,150	1,140
28	1,130	1,060	1,010	970	960	970	941	891	880	952	1,160	1,140
29	1,140	1,060	1,000	975	---	972	934	889	885	954	1,160	1,140
30	1,130	1,060	1,000	984	---	973	931	889	887	952	1,160	1,140
31	1,120	---	1,000	973	---	974	---	884	---	955	1,160	---
TOTAL	35,640	32,710	31,878	30,697	26,946	30,046	28,695	28,223	26,402	28,388	33,668	34,520
MEAN	1,150	1,090	1,028	990	962	969	957	910	880	916	1,086	1,151
MAX	1,170	1,130	1,050	1,010	971	976	972	932	888	955	1,160	1,160
MIN	1,120	1,060	1,000	970	947	956	931	884	875	888	964	1,140

CAL YR 1964 TOTAL 319,412  
WAT YR 1965 TOTAL 367,805MEAN 873 MAX 1,170 MIN 631  
MEAN 1,008 MAX 1,170 MIN 875

## 2-2430 Orange Creek at Orange Springs, Fla

Location --Lat 29°30'34", long 81°56'47", in NE $\frac{1}{4}$  sec 25, T 11 S, R 23 E, near right bank at downstream side of bridge on State Highway 21,  $\frac{1}{4}$  of a mile northwest of Orange Springs, Marion County, and  $\frac{1}{4}$  miles upstream from Little Orange Creek

Drainage area --1,110 sq mi (revised), approximately (includes Pavnes Prairie, a diked sinkhole area of about 675 sq mi, which is noncontributing except by pumpage)

Records available --November 1941 to June 1942 (discharge measurements only), July 1942 to December, 1952, October 1955 to September 1965

Gage --Digital water-stage recorder Datum of gage is 19 81 ft above mean sea level, datum of 1929 Prior to Oct 18, 1955, staff gage and Oct 18, 1955, to Nov 4, 1963, graphic water-stage recorder, at same site and datum

Average discharge --20 years (1942-52, 1955-65), 188 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (500 cfs) water years 1961-65							
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Nov 1, 1960	0030	* 840	7 78	July 27, 1964	0345	616	7 34
July 19, 1962	0100	202	5 53	Sept 13, 1964	0445	* 2,170	9 86
July 25, 1963	1200	* 191	5 45	Dec 27, 1964	1500	532	7 13
				Mar 4, 1965	0900		S04 7 24
				Aug 8, 1965	2400		* 985 7 91
				Sept 29, 1965	2300		640 7 20

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	July 7, 8, 9, 10	38	3 00	1964	Oct 31, Nov 1, 1963	6 4	1 57
1962	May 28, 29, 1962	3 1	1 39				
1963	June 20, 21, 1963	3 0	1 24	1965	June 7, 8, 1965	26	2 70

1942-52, 1955-65 Maximum discharge, 2,170 cfs Sept 13, 1964 (gage height, 9 86 ft), minimum daily, 2 0 cfs May 31, June 1, 3-5, 9-14, 1966, minimum gage height 1 24 ft June 20, 21, 1963  
Maximum stage known, 10 6 ft (present datum) in October 1941, from information by local resident (discharge, 2,400 cfs, from rating curve extended above 1,500 cfs)

Remarks --Records good except those for the 1963 water year, which are fair Records include some flow diverted, during periods of high stages, from Santa Fe Lake in Suwannee River basin through Lochloosa Creek Since April 1963, concrete dam at outlet of Orange Lake, 11 miles upstream from station

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	945	800	448	394	298	287	187	134	52	48	46	261
2	905	765	439	387	294	280	184	141	49	45	56	258
3	870	760	430	360	315	276	180	140	48	43	82	258
4	845	720	425	370	320	276	175	129	46	43	68	258
5	835	700	420	360	310	269	171	125	44	42	64	258
6	865	682	415	358	301	259	166	123	42	41	62	259
7	895	664	410	351	334	254	163	119	40	39	62	263
8	900	666	404	346	346	247	159	111	40	39	62	270
9	980	634	400	346	375	246	170	115	48	39	64	281
10	974	616	397	339	360	242	249	134	46	39	67	288
11	950	604	397	334	348	242	214	130	44	40	82	312
12	915	595	400	329	336	239	214	119	48	41	72	331
13	885	583	397	327	329	236	231	113	44	40	71	346
14	855	574	392	332	324	234	228	105	44	40	74	341
15	835	566	407	329	317	231	219	100	51	41	73	339
16	820	562	430	324	312	225	222	97	50	44	76	339
17	810	554	417	315	305	222	216	94	57	42	83	339
18	800	554	410	312	303	222	213	92	56	41	86	335
19	785	558	402	308	301	224	206	88	52	45	99	331
20	770	546	397	308	298	218	192	84	48	48	174	328
21	760	534	400	303	294	218	184	82	48	48	149	326
22	745	523	402	296	287	214	180	79	54	48	150	320
23	730	516	394	286	287	212	171	76	53	49	154	314
24	715	508	387	289	298	208	166	72	50	48	161	306
25	700	501	382	289	298	204	165	70	48	46	166	298
26	686	491	375	287	296	200	156	66	45	44	178	292
27	673	484	370	285	292	195	152	66	45	46	244	292
28	660	475	365	280	287	191	148	62	53	48	231	287
29	646	465	360	312	-----	185	143	59	64	48	246	285
30	634	456	360	315	-----	183	138	57	52	47	268	281
31	682	-----	360	303	-----	180	-----	54	-----	46	270	-----
TOTAL	25,070	17,616	12,392	10,104	4,803	7,119	5,562	3,036	1,461	1,358	3,740	8,996
MEAN	809	587	400	326	314	230	185	97.9	48.7	43.8	121	300
MAX	980	800	448	394	384	287	249	141	64	49	270	346
MIN	634	456	360	280	287	180	138	54	40	39	46	258
CFSM	-73	-53	-36	-29	-28	-21	-17	-09	-06	-04	-11	-27
IN.	-.84	-.59	-.42	-.34	-.29	-.24	-.19	-.10	-.05	-.05	-.13	-.30

CAL YR 1960	TOTAL	162,081	MEAN	446	MAX	1,200	MIN	100	CFSM	40	IN	5.46
WAT YR 1961	TOTAL	109,257	MEAN	288	MAX	980	MIN	39	CFSM	26	IN	3.53

## 2-2430 Orange Creek at Orange Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	275	127	100	73	58	36	43	12	6.1	14	104	20
2	268	126	97	73	56	36	57	10	5.8	11	73	22
3	265	123	94	72	55	40	46	9.3	5.9	10	55	32
4	261	121	92	71	54	38	38	8.3	5.6	9.3	35	40
5	254	129	90	70	54	37	31	8.8	5.5	7.7	23	44
6	251	171	91	68	54	34	30	9.4	4.9	7.0	34	39
7	246	185	91	70	52	36	30	7.4	5.5	7.0	48	41
8	241	172	88	72	50	40	33	6.5	4.9	8.5	42	42
9	234	161	86	74	52	34	28	6.1	5.6	8.3	36	41
10	230	154	84	70	55	32	24	5.6	8.6	7.6	31	32
11	224	147	83	71	54	32	22	7.2	13	12	27	25
12	220	139	83	81	51	31	23	9.8	11	10	42	22
13	220	135	83	80	51	34	21	7.1	8.5	8.2	36	19
14	218	133	83	75	49	32	20	6.4	6.8	7.2	29	17
15	210	132	82	72	49	33	19	5.5	8.6	9.3	22	16
16	204	128	81	72	50	35	19	5.6	39	11	18	18
17	198	127	81	70	48	32	16	4.6	29	12	16	18
18	192	125	80	70	46	27	17	4.6	18	68	20	16
19	184	122	89	68	45	25	15	4.5	12	110	16	17
20	178	119	88	66	47	26	14	4.0	10	46	24	19
21	171	119	84	66	40	24	14	3.6	9.0	40	41	27
22	166	118	83	64	39	24	13	3.9	9.0	24	39	46
23	159	115	80	66	40	48	11	6.2	14	18	35	42
24	155	115	78	65	41	55	11	7.9	24	14	42	39
25	149	115	76	64	40	46	11	5.9	21	12	46	35
26	144	114	75	62	39	53	11	4.5	14	11	31	32
27	139	108	72	62	39	47	17	3.5	11	11	24	29
28	136	107	76	66	35	39	20	3.1	42	28	31	24
29	136	105	76	63	-----	35	16	3.6	22	54	27	22
30	134	101	74	64	-----	29	13	6.1	16	64	24	19
31	130	-----	74	60	-----	27	-----	6.8	-----	79	25	-----
TOTAL	6,192	3,893	2,594	2,140	1,343	1,097	683	197.8	396.3	738.1	1,096	875
MEAN	200	130	83.7	69.0	48.0	35.4	22.8	6.38	13.2	23.8	35.4	29.2
MAX	275	185	100	81	58	45	57	12	42	110	104	61
MIN	130	101	72	60	25	24	11	3.1	4.9	7.0	16	16
CFSM	.18	.12	.08	.06	.04	.03	.02	.006	.01	.02	.03	.03
IN.	.21	.13	.09	.07	.04	.04	.02	.007	.01	.02	.04	.03
CAL YR 1961	TOTAL 62,858			MEAN 172	MAX 394	MIN 39		CFSM .16	IN 2.11			
WAT YR 1962	TOTAL 21,255.2			MEAN 58.2	MAX 275	MIN 3.1		CFSM .05	IN .71			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	7.8	11	9.0	15	40	8.2	5.9	10	8.6	34	37
2	20	7.4	11	8.7	16	59	8.0	10	7.8	7.1	32	31
3	16	7.9	9.6	8.5	16	65	7.4	8.2	6.6	18	37	28
4	17	8.1	9.5	8.4	42	57	7.0	6.9	5.6	101	30	24
5	24	7.5	9.6	8.1	53	48	6.8	6.2	5.2	60	25	22
6	17	7.5	9.2	8.7	49	40	6.6	5.4	4.9	38	22	26
7	14	7.5	8.7	16	41	37	8.4	4.9	4.6	34	22	42
8	16	7.5	8.5	16	34	32	11	4.4	4.4	33	19	25
9	13	7.8	8.7	12	28	33	10	4.2	4.1	36	47	18
10	11	7.6	8.6	10	25	65	7.9	4.0	4.0	39	42	15
11	9.6	7.3	8.4	9.3	23	64	7.3	4.0	3.9	35	34	12
12	10	7.5	9.6	9.0	46	52	7.4	3.9	3.6	29	30	11
13	10	13	11	9.0	61	44	6.9	3.7	3.4	24	82	9.5
14	9.5	10	11	9.3	52	36	5.8	3.6	3.4	21	144	8.5
15	8.6	9.5	9.8	9.5	40	32	5.4	3.5	3.3	20	126	7.9
16	8.0	9.0	9.5	9.2	32	31	5.2	3.5	3.2	24	95	7.8
17	7.8	8.4	9.3	8.7	30	27	5.1	3.5	3.2	28	81	8.9
18	8.2	6.2	9.0	8.7	26	23	4.9	3.4	3.2	44	96	9.3
19	8.2	7.8	9.0	8.6	30	21	4.8	3.4	3.1	46	96	8.5
20	7.3	8.0	9.2	8.4	41	23	4.7	3.8	3.1	32	93	8.9
21	7.0	8.2	8.7	11	35	21	4.6	3.5	3.1	24	92	8.9
22	7.8	14	8.6	11	30	16	4.4	3.8	4.1	39	116	8.1
23	8.2	14	8.4	10	12	26	4.4	4.9	4.9	77	89	36
24	8.1	10	8.2	9.6	28	11	4.6	5.4	4.3	83	69	56
25	7.8	10	8.1	8.7	48	11	4.7	4.9	6.2	185	57	55
26	7.3	9.2	9.2	10	50	9.6	4.4	4.2	14	155	51	78
27	7.3	8.7	14	38	52	14	4.3	5.1	14	116	43	64
28	7.3	9.0	16	37	46	18	4.1	5.2	8.0	82	43	65
29	7.0	8.9	13	27	-----	12	4.0	6.8	7.6	62	37	61
30	7.3	9.3	12	20	-----	-----	3.9	23	6.9	50	32	65
31	7.6	-----	10	17	-----	8.4	-----	17	-----	41	33	-----
TOTAL	337.9	266.6	306.4	398.4	1,015	971.0	182.2	180.2	163.7	1,591.7	1,849	857.3
MEAN	10.9	8.89	9.88	12.7	36.3	31.3	6.07	5.81	5.46	51.3	59.6	28.6
MAX	24	14	16	38	61	65	11	23	14	185	144	78
MIN	7.0	7.3	8.1	8.1	15	8.4	3.9	3.4	3.1	7.1	19	7.8
CFSM	.01	.008	.009	.01	.03	.03	.005	.005	.005	.05	.05	.03
IN.	.01	.009	.01	.01	.03	.03	.006	.006	.005	.05	.06	.03
CAL YR 1962	TOTAL 9,477.1			MEAN 26.0	MAX 110	MIN 3.1		CFSM .02	IN .22			
WAT YR 1963	TOTAL 8,115.4			MEAN 22.2	MAX 185	MIN 3.1		CFSM .02	IN .22			

## 2-2430 Orange Creek at Orange Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	56	6.4	12	66	184	363	360	351	54	114	253	269
2	60	7.7	12	52	150	339	345	354	50	70	226	274
3	49	8.1	11	38	126	328	328	342	46	54	184	265
4	39	7.4	11	34	121	326	317	326	41	46	177	256
5	32	7.8	11	30	132	326	307	314	38	56	164	271
6	28	9.8	11	24	168	326	296	301	36	52	156	254
7	23	8.9	10	29	177	326	285	289	44	38	168	244
8	20	8.0	9.9	34	307	326	274	276	42	30	183	238
9	18	7.7	9.6	41	357	326	262	262	38	26	198	245
10	16	20	9.3	61	305	328	249	247	34	23	197	556
11	14	26	9.5	58	242	326	239	235	32	22	189	1,410
12	12	20	10	140	206	366	232	227	29	32	193	1,430
13	11	16	13	177	177	396	224	219	27	58	189	1,940
14	10	13	17	171	159	390	217	214	25	56	195	1,480
15	11	12	14	131	149	390	212	205	23	38	191	1,340
16	12	11	13	106	148	387	200	195	23	29	186	1,300
17	11	9.9	12	167	148	393	191	186	20	55	178	1,220
18	11	9.6	11	231	168	393	183	175	19	81	225	1,150
19	9.9	9.2	11	219	196	384	170	167	16	58	272	1,240
20	9.0	9.0	11	186	196	399	155	154	19	46	276	1,330
21	8.4	9.0	11	177	200	402	140	141	18	44	276	1,370
22	8.2	9.0	12	152	202	390	133	131	16	125	294	1,380
23	8.7	8.8	12	135	201	381	123	117	14	131	263	1,400
24	8.6	8.8	19	133	200	372	124	104	13	106	262	1,380
25	8.7	9.6	19	134	201	357	130	97	13	105	305	1,360
26	8.1	11	16	130	203	348	123	91	17	321	272	1,300
27	7.8	11	14	123	210	366	116	87	71	572	265	1,270
28	7.2	11	13	244	326	390	229	78	41	465	283	1,310
29	6.8	13	17	312	381	414	384	72	33	375	292	1,300
30	6.6	12	19	280	396	471	375	67	70	305	281	1,260
31	6.4	-----	42	224	-----	372	-----	60	-----	271	-----	-----
TOTAL	537.4	330.7	422.3	4,039	5,940	11,326	6,923	6,084	962	3,804	7,067	30,042
MEAN	17.3	11.0	13.6	130	205	365	231	196	32.1	123	228	1,001
MAX	60	26	42	312	381	414	384	354	71	572	305	1,940
MIN	6.4	6.4	9.3	26	121	126	116	60	13	22	156	238
CFSM	.02	.01	.01	.12	.18	.33	.21	.18	.03	.11	.21	.90
IN.	.02	.01	.01	.14	.20	.38	.23	.20	.03	.13	.24	1.01
CAL YR 1963	TOTAL	8,494.9	MEAN	23.3	MAX	185	MIN	3.1	CFSM	.02	IN	.28
WAT YR 1964	TOTAL	77,477.4	MEAN	212	MAX	1,940	MIN	6.4	CFSM	.19	IN	2.60

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,200	608	323	435	369	488	532	232	33	206	560	800
2	1,150	628	316	429	366	500	520	225	29	234	700	790
3	1,140	600	314	442	360	524	508	219	31	234	656	775
4	1,130	589	336	441	351	596	492	210	28	263	616	755
5	1,160	568	438	441	342	596	480	201	32	263	608	740
6	1,140	549	426	438	339	596	468	195	31	244	624	725
7	1,110	530	402	438	372	596	459	183	27	235	685	715
8	1,090	510	384	438	366	596	444	174	34	230	865	700
9	1,060	493	372	432	351	592	438	162	48	228	938	680
10	1,040	478	357	432	348	588	426	155	56	254	890	668
11	1,010	466	351	429	348	584	414	146	82	227	850	644
12	990	454	342	423	345	576	399	134	107	221	830	620
13	965	443	330	417	348	572	387	129	135	287	815	600
14	970	432	330	414	378	584	372	120	157	254	800	596
15	965	422	325	432	408	576	357	105	151	262	835	620
16	970	416	321	432	405	568	342	100	175	272	855	584
17	970	402	319	423	408	564	328	88	281	287	850	616
18	960	392	317	417	411	560	317	85	287	290	830	608
19	935	381	314	414	411	584	310	78	228	290	810	564
20	905	373	310	405	414	596	299	72	208	290	790	536
21	865	371	307	402	417	580	292	64	193	296	785	520
22	835	361	308	393	417	568	285	57	183	292	810	504
23	810	352	303	387	432	564	281	52	180	283	825	488
24	780	348	299	390	474	556	267	47	201	278	845	484
25	760	363	296	390	508	544	260	46	187	271	840	468
26	730	358	296	381	500	532	269	41	187	271	845	456
27	705	344	471	375	504	532	262	39	189	276	850	456
28	680	344	488	366	500	528	253	37	190	272	835	568
29	664	360	465	360	-----	536	242	37	196	292	825	572
30	640	339	450	360	-----	548	236	38	198	308	815	576
31	616	-----	441	375	-----	544	-----	45	-----	333	810	-----
TOTAL	28,945	13,269	11,051	12,738	11,189	17,468	10,939	3,515	4,064	8,243	24,489	18,438
MEAN	934	442	356	411	400	563	365	113	135	266	790	615
MAX	1,200	628	488	441	508	596	532	232	287	333	935	800
MIN	616	339	296	360	339	488	236	37	27	206	560	456
CFSM	.06	.40	.32	.37	.36	.51	.33	.10	.12	.24	.71	.55
IN.	.97	.44	.37	.43	.37	.59	.37	.12	.14	.28	.82	.62
CAL YR 1964	TOTAL	129,452	MEAN	354	MAX	1,940	MIN	13	CFSM	.32	IN	4.34
WAT YR 1965	TOTAL	164,348	MEAN	450	MAX	1,200	MIN	27	CFSM	.41	IN	5.51

2-2440 Oklawaha River at Riverside Landing, near Orange Springs, Fla

Location --Lat 29°30', long 81°48', in sec 33, T 11 S, R 25 E, on right bank near boat dock at Riverside Landing,  $\frac{1}{4}$  miles east of Orange Springs, Marion County

Drainage area --2,840 sq mi (revised), approximately (includes Paynes Prairie, a diked sinkhole area of about 675 sq mi, revised, which is noncontributing except by pumpage)

Records available --October 1943 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level (Corps of Engineers bench mark)

Average discharge --22 years, 2,040 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 1, 1961	a 2,220	b 8 53	Aug 14, 1961	1,200	4 70
1962	June 16, 1962	1,940	5 85	May 28, 1962	740	3 58
1963	Sept 2, 1963	c 1,580	d 6 37	June 21, 22, 1963	757	3 27
1964	Sept 15, 1964	8,760	9 73	Dec 12, 1963	903	3 90
1965	Aug 12, 1965	6,000	8 35	June 3, 4, 1965	1,230	4 58

a Maximum independent peak discharge, maximum discharge during year, 5,740 cfs Oct 10, 1960, occurred on recession following peak of Sept 15, 1960 b Occurred Oct 10, 1960 c Maximum peak discharge, maximum discharge during year, 2,560 cfs Sept 30, 1963, stage rising, peak occurred Oct 1, 1963 d Occurred Sept 30, 1963, stage rising

1943-65 Maximum discharge, 8,760 cfs Sept 15, 1964, maximum gage height, 9 80 ft Mar 20, 1960, minimum discharge, 697 cfs Apr 28, 29, 1957 (gage height, 3 19 ft)

Remarks --Records fair prior to Oct 1, 1961, good thereafter Records of chemical analyses for the water years 1961-62 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,520	4,440	3,930	3,900	3,600	3,260	2,330	1,720	1,320	1,480	1,250	2,200
2	5,460	4,590	3,900	3,930	3,620	3,200	2,290	1,740	1,300	1,420	1,280	2,110
3	5,470	4,580	3,880	3,880	3,700	3,140	2,270	1,720	1,280	1,380	1,360	2,040
4	5,240	4,500	3,870	3,800	3,780	3,090	2,260	1,710	1,260	1,360	1,370	1,990
5	5,100	4,440	3,840	3,760	3,810	3,040	2,220	1,690	1,250	1,350	1,340	1,940
6	5,010	4,380	3,820	3,740	3,780	3,020	2,200	1,660	1,250	1,420	1,300	1,880
7	5,190	4,420	3,810	3,700	3,900	2,970	2,170	1,690	1,260	1,470	1,280	1,810
8	5,380	4,280	3,780	3,700	4,110	2,930	2,150	1,610	1,270	1,420	1,270	1,750
9	5,550	4,220	3,760	3,700	4,170	2,890	2,150	1,590	1,290	1,370	1,280	1,750
10	5,730	4,200	3,760	3,640	4,220	2,850	2,300	1,670	1,270	1,370	1,260	1,680
11	5,700	4,170	3,760	3,620	4,230	2,820	2,400	1,720	1,300	1,420	1,240	1,680
12	5,580	4,140	3,760	3,600	4,170	2,800	2,440	1,710	1,430	1,420	1,230	1,740
13	5,460	4,120	3,760	3,600	4,060	2,780	2,430	1,700	1,460	1,410	1,210	1,860
14	5,320	4,110	3,750	3,600	3,940	2,770	2,390	1,670	1,510	1,380	1,210	1,960
15	5,180	4,100	3,810	3,580	3,840	2,760	2,380	1,640	1,570	1,350	1,210	2,040
16	5,060	4,100	3,920	3,580	3,740	2,740	2,390	1,600	1,510	1,340	1,230	2,110
17	4,950	4,080	3,940	3,580	3,680	2,730	2,350	1,550	1,510	1,440	1,280	2,160
18	4,860	4,060	3,960	3,600	3,600	2,760	2,300	1,510	1,490	1,470	1,340	2,150
19	4,780	4,080	3,940	3,570	3,570	2,800	2,240	1,480	1,470	1,540	1,410	2,100
20	4,720	4,100	3,930	3,540	3,540	2,780	2,170	1,440	1,450	1,570	1,570	2,010
21	4,660	4,110	3,930	3,510	3,480	2,770	2,100	1,420	1,440	1,550	1,720	1,920
22	4,600	4,110	3,920	3,480	3,440	2,730	2,030	1,390	1,440	1,490	1,800	1,830
23	4,540	4,100	3,900	3,460	3,420	2,650	2,000	1,380	1,400	1,440	1,820	1,740
24	4,500	4,080	3,880	3,450	3,390	2,570	1,960	1,380	1,360	1,380	1,830	1,680
25	4,470	4,060	3,860	3,440	3,360	2,480	1,910	1,380	1,320	1,340	1,830	1,630
26	4,420	4,040	3,840	3,440	3,340	2,420	1,880	1,360	1,300	1,320	1,940	1,590
27	4,400	4,020	3,820	3,400	3,330	2,380	1,840	1,360	1,330	1,300	2,140	1,550
28	4,350	4,000	3,810	3,390	3,280	2,340	1,800	1,340	1,390	1,280	2,030	1,530
29	4,320	3,990	3,800	3,500	-----	2,320	1,760	1,330	1,480	1,280	2,040	1,510
30	4,280	3,960	3,780	3,560	-----	2,300	1,740	1,320	1,530	1,270	2,140	1,500
31	4,320	-----	3,780	3,580	-----	2,300	-----	1,320	-----	1,260	2,180	-----
TOTAL	154,020	125,520	119,200	111,850	104,100	85,390	64,850	47,740	41,440	43,290	47,390	55,440
MEAN	4,968	4,184	3,845	3,608	3,718	2,755	2,162	1,540	1,381	1,396	1,529	1,848
MAX	5,730	4,590	3,960	3,930	4,230	3,260	2,440	1,740	1,570	1,570	2,180	2,200
MIN	4,280	3,960	3,750	3,390	3,280	2,300	1,740	1,320	1,250	1,260	1,210	1,500
CFSM	1.75	1.47	1.35	1.27	1.31	.97	.76	.54	.49	.49	.54	.65
IN.	2.02	1.64	1.56	1.46	1.36	1.12	.85	.63	.54	.57	.62	.73
CAL YR 1960-	TOTAL	1,390,360	MEAN	3,799	MAX	7,740	MIN	2,140	CFSM	1.34	IN	18.21
WAT YR 1961	TOTAL	1,000,230	MEAN	2,740	MAX	5,730	MIN	1,210	CFSM	.96	IN	13.10

## 2-2440 Oklawaha River at Riverside Landing, near Orange Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,500	1,270	1,190	1,130	1,060	946	985	828	786	929	1,570	1,170
2	1,490	1,260	1,190	1,120	1,050	950	1,060	817	792	926	1,450	1,150
3	1,470	1,250	1,180	1,120	1,040	978	1,020	806	800	908	1,430	1,130
4	1,450	1,240	1,160	1,100	1,030	988	985	803	810	887	1,470	1,120
5	1,440	1,270	1,160	1,100	1,030	992	964	806	824	866	1,390	1,120
6	1,420	1,420	1,160	1,120	1,030	978	950	810	800	852	1,270	1,130
7	1,420	1,560	1,150	1,120	1,020	968	936	806	873	842	1,200	1,120
8	1,410	1,570	1,150	1,120	1,020	974	929	800	922	852	1,330	1,110
9	1,400	1,500	1,150	1,110	1,020	982	918	792	904	859	1,290	1,190
10	1,390	1,430	1,150	1,110	1,040	978	904	786	908	845	1,190	1,240
11	1,390	1,380	1,150	1,140	1,040	978	894	789	898	838	1,140	1,190
12	1,390	1,360	1,150	1,190	1,030	982	880	810	898	834	1,150	1,150
13	1,420	1,330	1,160	1,200	1,020	982	870	796	870	834	1,160	1,110
14	1,450	1,310	1,170	1,190	1,020	960	856	786	862	845	1,130	1,070
15	1,440	1,290	1,180	1,170	1,020	960	848	775	950	873	1,060	1,050
16	1,420	1,280	1,180	1,150	1,010	968	845	769	1,740	862	999	1,040
17	1,410	1,260	1,180	1,140	1,010	957	845	769	1,730	862	964	1,020
18	1,390	1,250	1,180	1,130	1,010	946	838	772	1,380	929	954	999
19	1,370	1,240	1,200	1,120	1,010	936	834	775	1,180	1,130	954	982
20	1,360	1,230	1,190	1,120	1,000	926	831	772	1,050	1,140	957	985
21	1,350	1,240	1,170	1,110	996	918	828	766	978	1,130	960	982
22	1,340	1,230	1,160	1,110	985	915	824	763	954	1,150	971	1,120
23	1,330	1,240	1,160	1,100	978	985	820	772	954	1,140	992	1,300
24	1,320	1,260	1,150	1,100	974	1,050	815	782	971	1,070	1,030	1,370
25	1,310	1,260	1,140	1,090	968	1,060	810	769	964	988	1,110	1,390
26	1,300	1,240	1,140	1,080	964	1,060	820	794	936	943	1,200	1,400
27	1,300	1,230	1,130	1,070	960	1,030	834	745	901	922	1,240	1,370
28	1,290	1,220	1,150	1,080	957	999	838	740	912	950	1,260	1,310
29	1,300	1,200	1,150	1,090	-----	968	856	745	926	1,100	1,240	1,240
30	1,300	1,200	1,140	1,080	-----	950	845	775	915	1,400	1,210	1,190
31	1,290	-----	1,130	1,070	-----	929	-----	792	-----	1,620	1,180	-----
TOTAL	42,860	39,020	36,000	34,680	28,292	30,193	26,482	24,270	29,388	30,326	36,451	34,748
MEAN	1,383	1,301	1,161	1,119	1,010	974	883	783	988	978	1,176	1,158
MAX	1,500	1,570	1,200	1,200	1,060	1,060	1,060	828	1,740	1,620	1,570	1,400
MIN	1,290	1,200	1,130	1,070	957	915	810	740	901	922	1,240	1,310
CFSM	.49	.46	.41	.39	.36	.34	.31	.28	.34	.34	.41	.41
IN.	.56	.51	.47	.45	.37	.40	.35	.32	.38	.40	.48	.46
CAL YR 1961 TOTAL 719,370 MEAN 1,971 MAX 4,630 MIN 1,130 CFSM .62 IN 5.42												
WAT YR 1962 TOTAL 392,710 MEAN 1,076 MAX 1,740 MIN 740 CFSM .38 IN 5.14												

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	1,130	929	1,000	940	996	1,350	1,140	943	894	1,070	985	1,460	
2	1,110	936	1,010	940	978	1,420	1,130	954	887	1,020	957	1,550	
3	1,100	940	1,010	936	999	1,490	1,120	946	873	1,080	1,050	1,440	
4	1,090	950	999	940	1,100	1,500	1,120	936	852	1,220	1,110	1,350	
5	1,100	940	988	932	1,160	1,490	1,100	926	834	1,200	1,080	1,300	
6	1,280	922	982	946	1,200	1,440	1,100	912	845	1,100	1,040	1,290	
7	1,250	918	957	978	1,190	1,390	1,120	901	880	1,010	999	1,340	
8	1,180	915	940	982	1,170	1,350	1,120	898	894	950	960	1,340	
9	1,140	929	926	974	1,150	1,340	1,110	890	876	950	954	1,300	
10	1,110	918	918	964	1,110	1,410	1,080	880	852	982	968	1,230	
11	1,080	898	904	946	1,090	1,440	1,060	873	831	982	954	1,180	
12	1,070	898	912	929	1,190	1,440	1,050	866	817	988	960	1,150	
13	1,060	936	918	929	1,280	1,420	1,040	866	800	1,010	974	1,110	
14	1,040	943	908	922	1,300	1,400	1,020	870	789	1,020	1,050	1,060	
15	1,020	940	901	915	1,290	1,360	1,010	866	782	1,030	1,100	1,020	
16	1,010	932	901	929	1,260	1,360	1,000	856	778	1,080	1,110	1,030	
17	999	915	898	936	1,220	1,350	998	842	772	1,110	1,130	1,070	
18	992	904	890	936	1,180	1,320	978	828	772	1,070	1,180	1,100	
19	988	898	890	926	1,180	1,300	964	817	769	1,010	1,220	1,110	
20	992	898	884	915	1,180	1,280	957	831	766	968	1,220	1,110	
21	992	904	876	915	1,180	1,250	954	828	763	922	1,240	1,110	
22	996	915	876	912	1,170	1,230	950	831	766	950	1,330	1,080	
23	999	922	876	912	1,160	1,220	943	838	806	1,040	1,340	1,310	
24	988	915	873	908	1,180	1,210	940	834	918	1,070	1,320	1,650	
25	978	915	884	922	1,260	1,200	936	838	1,050	1,170	1,310	1,950	
26	964	912	918	957	1,300	1,190	929	856	1,200	1,240	1,280	2,280	
27	950	912	946	1,060	1,340	1,180	926	898	1,360	1,210	1,270	2,430	
28	940	942	971	1,100	1,350	1,180	922	880	1,300	1,170	1,260	2,470	
29	932	950	974	1,080	-----	1,170	912	884	1,180	1,110	1,250	2,460	
30	926	978	960	1,060	-----	1,160	908	940	1,110	1,050	1,230	2,480	
31	926	-----	946	1,020	-----	1,150	-----	922	-----	1,010	1,240	-----	
TOTAL	32,342	27,714	28,836	29,661	33,143	40,990	30,527	27,250	27,016	32,792	35,071	43,760	
MEAN	1,043	924	930	957	1,184	1,322	1,018	879	901	1,058	1,131	1,459	
MAX	1,280	978	1,010	1,100	1,350	1,500	1,140	954	1,360	1,240	1,340	2,480	
MIN	926	898	873	908	978	1,150	908	817	763	922	954	1,020	
CFSM	.37	.33	.33	.34	.42	.47	.36	.31	.32	.37	.40	.51	
IN.	.42	.36	.38	.39	.43	.54	.40	.36	.35	.43	.46	.57	
CAL YR 1962	TOTAL 363,712			MEAN 996		MAX 1,740		MIN 740		CFSM .35		IN 4.76	
WAT YR 1963	TOTAL 389,092			MEAN 1,066		MAX 2,480		MIN 763		CFSM .38		IN 5.10	



## 2-2440 Oklawaha River at Riverside Landing, near Orange Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,570	987	977	1,390	2,530	3,220	2,130	2,580	1,290	1,180	3,700	2,310
2	2,480	990	964	1,450	2,460	3,190	2,130	2,650	1,280	1,230	3,740	2,260
3	2,270	977	964	1,410	2,390	3,110	2,140	2,650	1,260	1,240	3,520	2,220
4	2,070	967	951	1,330	2,320	3,010	2,150	2,550	1,260	1,230	3,130	2,180
5	1,900	967	948	1,240	2,270	2,890	2,150	2,440	1,260	1,280	2,940	2,160
6	1,770	970	938	1,160	2,260	2,760	2,130	2,330	1,300	1,300	2,740	2,140
7	1,680	961	932	1,130	2,290	2,610	2,130	2,220	1,360	1,280	2,500	2,100
8	1,600	941	932	1,120	2,610	2,500	2,100	2,130	1,320	1,240	2,350	2,060
9	1,510	929	929	1,180	2,900	2,410	2,070	2,040	1,280	1,200	2,270	2,060
10	1,440	1,040	922	1,280	3,030	2,320	2,030	1,980	1,230	1,170	2,320	2,560
11	1,370	1,130	913	1,340	3,110	2,230	1,990	1,930	1,180	1,150	2,250	4,340
12	1,320	1,140	906	1,570	3,170	2,240	1,960	1,880	1,150	1,190	2,180	5,960
13	1,270	1,110	909	1,830	3,090	2,270	1,920	1,840	1,120	1,260	2,120	7,640
14	1,210	1,070	929	1,900	2,970	2,250	1,890	1,800	1,100	1,280	2,080	8,640
15	1,200	1,040	935	1,890	2,800	2,190	1,860	1,760	1,090	1,260	2,020	8,660
16	1,210	1,020	932	1,860	2,650	2,150	1,830	1,730	1,080	1,240	2,020	8,260
17	1,210	1,010	938	2,000	2,530	2,120	1,820	1,700	1,060	1,280	2,000	7,680
18	1,180	993	945	2,260	2,520	2,080	1,790	1,660	1,060	1,390	1,980	7,060
19	1,150	980	941	2,310	2,580	2,030	1,780	1,620	1,060	1,440	2,190	6,500
20	1,120	967	935	2,300	2,600	2,050	1,750	1,580	1,050	1,420	2,440	6,100
21	1,100	961	932	2,300	2,600	2,050	1,710	1,540	1,050	1,380	2,440	5,820
22	1,100	961	935	2,270	2,600	2,040	1,660	1,510	1,040	1,380	2,530	5,620
23	1,110	957	951	2,220	2,580	2,020	1,620	1,480	1,020	1,450	2,580	5,500
24	1,130	951	980	2,170	2,570	2,000	1,570	1,460	1,020	1,540	2,650	5,380
25	1,140	954	987	2,120	2,550	1,970	1,540	1,430	1,030	1,620	2,740	5,340
26	1,130	970	977	2,090	2,520	1,960	1,530	1,390	1,060	1,890	2,740	5,280
27	1,100	984	961	2,080	2,560	1,970	1,560	1,360	1,200	2,300	2,650	5,200
28	1,060	984	948	2,340	2,890	2,020	1,780	1,320	1,200	2,600	2,440	5,120
29	1,030	1,000	967	2,620	3,170	2,080	2,180	1,310	1,160	3,010	2,610	5,080
30	1,010	997	987	2,650	-----	2,130	2,430	1,300	1,160	3,460	2,500	5,040
31	993	-----	1,150	2,610	-----	2,130	-----	1,300	-----	3,660	2,410	-----
TOTAL	43,433	29,908	29,515	57,420	77,120	72,000	57,330	56,470	34,730	49,630	78,980	146,270
MEAN	1,401	997	952	1,852	2,659	2,323	1,911	1,822	1,300	1,601	2,548	4,872
MAX	2,570	1,140	1,150	2,650	3,170	3,220	2,430	2,650	1,360	3,660	3,740	8,660
MIN	993	929	906	1,120	2,260	1,960	1,530	1,300	1,020	1,150	1,980	2,060
CFSM	.49	.35	.34	.65	.94	.82	.67	.64	.41	.56	.90	1.72
IN.	.57	.39	.39	.75	1.01	.94	.75	.74	.45	.65	1.03	1.92
CAL YR 1963	TOTAL 43,433	MEAN 1,401	MAX 2,570	MIN 993	CFSM .49	IN 1.72						
WAT YR 1964	TOTAL 73,286	MEAN 2,002	MAX 8,660	MIN 906	CFSM .71	IN 5.28						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,980	2,740	2,200	2,490	2,180	2,590	2,550	1,850	1,290	1,850	3,070	3,580
2	4,920	2,800	2,180	2,470	2,180	2,610	2,530	1,820	1,260	1,810	4,260	3,500
3	4,680	2,800	2,180	2,460	2,180	2,630	2,500	1,780	1,240	1,810	4,000	3,440
4	4,740	2,770	2,190	2,450	2,160	2,770	2,460	1,740	1,260	1,810	5,260	3,360
5	4,640	2,720	2,310	2,420	2,140	2,820	2,410	1,700	1,350	1,830	5,240	3,300
6	4,600	2,680	2,440	2,400	2,130	2,800	2,360	1,670	1,400	1,870	5,160	3,280
7	4,560	2,650	2,500	2,370	2,170	2,760	2,320	1,640	1,380	1,900	5,400	3,250
8	4,500	2,610	2,490	2,350	2,180	2,710	2,270	1,650	1,450	1,980	5,320	3,210
9	4,440	2,580	2,450	2,310	2,200	2,670	2,240	1,620	1,670	1,980	5,440	3,170
10	4,380	2,540	2,410	2,280	2,200	2,620	2,210	1,590	1,820	2,020	5,580	3,140
11	4,300	2,490	2,390	2,260	2,200	2,570	2,180	1,550	1,880	2,090	5,800	3,090
12	4,220	2,450	2,380	2,230	2,200	2,550	2,160	1,520	1,930	2,160	5,960	3,040
13	4,140	2,420	2,380	2,210	2,190	2,530	2,130	1,480	1,980	2,250	5,940	2,990
14	4,160	2,400	2,390	2,190	2,220	2,540	2,090	1,440	1,990	2,310	5,800	2,950
15	4,160	2,390	2,390	2,220	2,260	2,540	2,070	1,410	1,950	2,370	5,560	2,930
16	4,040	2,380	2,370	2,220	2,280	2,550	2,040	1,390	1,960	2,490	5,260	2,980
17	3,880	2,360	2,360	2,210	2,290	2,550	2,020	1,380	2,380	2,460	5,000	3,120
18	3,720	2,340	2,350	2,210	2,290	2,560	1,990	1,360	3,380	2,820	4,800	3,420
19	3,600	2,310	2,320	2,200	2,290	2,600	1,960	1,340	3,070	3,020	4,600	3,420
20	3,440	2,290	2,300	2,200	2,270	2,660	1,930	1,320	2,650	3,230	4,380	3,300
21	3,250	2,270	2,270	2,200	2,260	2,670	1,960	1,300	2,420	3,360	4,180	3,250
22	3,120	2,270	2,250	2,190	2,240	2,660	2,010	1,290	2,260	3,380	3,980	3,170
23	3,040	2,260	2,220	2,180	2,240	2,630	1,980	1,280	2,160	3,210	3,920	3,090
24	2,960	2,260	2,190	2,180	2,290	2,600	1,960	1,270	2,120	3,040	3,900	2,990
25	2,920	2,260	2,170	2,180	2,490	2,560	1,950	1,260	2,100	2,900	3,960	2,900
26	2,880	2,260	2,140	2,180	2,600	2,520	1,950	1,260	2,060	2,800	3,940	2,830
27	2,850	2,250	2,280	2,160	2,600	2,510	1,950	1,260	2,010	2,700	3,840	2,860
28	2,820	2,220	2,380	2,130	2,590	2,580	1,930	1,280	1,980	2,560	3,760	3,760
29	2,780	2,220	2,460	2,120	-----	2,590	1,900	1,290	1,940	2,470	3,720	4,100
30	2,750	2,220	2,500	2,120	-----	2,560	1,880	1,290	1,900	2,450	3,640	4,220
31	2,710	-----	2,500	2,170	-----	2,550	-----	1,280	-----	2,600	3,600	-----
TOTAL	118,380	73,210	72,330	69,960	63,520	81,060	63,890	45,330	58,240	75,740	145,270	97,640
MEAN	3,819	2,440	2,333	2,257	2,069	2,615	2,130	1,462	1,941	2,443	4,686	3,255
MAX	4,980	2,800	2,500	2,490	2,600	2,820	2,550	1,850	3,380	3,380	5,960	4,220
MIN	2,710	2,220	2,140	2,120	2,130	2,510	1,880	1,260	1,810	1,810	3,070	2,830
CFSM	1.34	.86	.82	.79	.80	.92	.75	.51	.68	.86	1.65	1.15
IN.	1.55	.96	.95	.92	.83	1.06	.84	.59	.76	.99	1.90	1.28
CAL YR 1964	TOTAL 893,870	MEAN 2,442	MAX 8,660	MIN 1,920	CFSM .88	IN 12.33						
WAT YR 1965	TOTAL 964,570	MEAN 2,643	MAX 9,960	MIN 1,240	CFSM .88	IN 12.33						

2-2443 Middle Haw Creek at relay station, near Bunnell, Fla

Location --Lat 29°18'22", long 81°16'12", on line between SE¼ sec 4, and NE¼ sec 9, T 14 S, R 30 E, near center of span, on downstream side of bridge on county road, about 800 ft west of relay firetower, 9.6 miles upstream from mouth, and 11 miles south of Bunnell, Flagler County

Drainage area --About 40 sq mi

Records available --October 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to May 27, 1965, at site 200 ft east at same datum

Extremes --Maximum discharge during year, 404 cfs Aug 7, maximum gage height, 20.63 ft Oct 16, no flow May 3 to June 16, minimum gage height observed, 14.57 ft June 3  
Flood of Sept 11, 1964, reached a stage of 22.71 ft, from floodmarks (discharge, 2,400 cfs)

Remarks --Records good except those above 150 cfs and those below 20 cfs, which are fair Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	102	32	16	22	17	78	23	.20	0	130	137	88
2	95	41	15	21	17	70	22	.10	0	127	144	72
3	88	42	14	20	18	64	20	0	0	106	190	59
4	82	43	15	20	18	78	19	0	0	81	337	49
5	76	44	27	20	18	80	18	0	0	62	344	42
6	69	42	44	19	19	72	17	0	0	50	360	36
7	63	41	46	19	27	64	15	0	0	43	380	31
8	58	39	48	18	42	59	14	0	0	44	316	28
9	54	36	46	18	49	52	13	0	0	62	360	24
10	48	34	44	17	53	48	11	0	0	60	364	21
11	44	32	40	16	55	44	10	0	0	50	316	17
12	41	30	37	15	53	40	9.0	0	0	46	283	13
13	39	28	34	14	49	38	7.5	0	0	48	250	10
14	46	26	33	13	50	42	6.2	0	0	36	216	7.7
15	154	24	31	17	49	41	5.0	0	0	30	190	6.1
16	264	23	29	21	45	38	4.1	0	0	25	176	5.1
17	256	21	28	21	42	36	3.3	0	5.5	22	154	5.1
18	205	20	26	20	39	34	2.6	0	50	20	137	7.6
19	160	18	25	20	36	33	2.0	0	140	17	126	8.4
20	126	16	24	20	34	33	1.6	0	140	17	129	10
21	101	15	22	20	32	34	1.4	0	115	21	120	9.6
22	86	14	21	20	30	33	1.2	0	88	25	106	8.4
23	76	14	20	19	31	32	1.2	0	76	25	95	8.0
24	66	17	19	20	72	31	1.0	0	127	24	93	7.3
25	59	18	18	21	103	30	.80	0	165	25	149	7.1
26	53	17	16	22	99	28	.70	0	190	27	226	6.7
27	48	16	18	22	93	27	.60	0	194	27	226	7.3
28	42	15	22	20	86	29	.50	0	180	28	194	10
29	39	18	23	20	-----	28	.40	0	157	34	157	18
30	35	18	23	19	-----	26	.30	0	140	44	130	49
31	32	-----	22	18	-----	24	-----	0	-----	91	108	-----
TOTAL	2,707	794	846	592	1,276	1,366	231.40	0.30	1,767.5	1,447	6,513	671.4
MEAN	87.3	26.5	27.3	19.1	45.6	44.1	7.71	.010	58.9	46.7	210	22.4
MAX	264	44	48	22	103	80	23	.20	194	130	380	88
MIN	32	14	14	13	17	24	.30	0	0	17	93	5.1
CFSM	2.18	.66	.68	.48	1.14	1.10	.19	.0002	1.47	1.17	5.25	.56
IN.	2.52	.74	.79	.55	1.19	1.27	.22	.0002	1.64	1.35	6.06	.62
CAL YR 1964: TOTAL												
WAT YR 1965: TOTAL												
	18,211.60			MEAN 49.9		MAX 380		MIN 0		CFSM 1.25		IN 16.93

## ST JOHNS RIVER BASIN

2-2444 2 (revised) Little Haw Creek near Seville, Fla

Location --Lat 29°19', long 81°23', in SE $\frac{1}{4}$  sec 32, T 13 S, R 29 E, Flagler County, on right bank 600 ft downstream from bridge on State Highway 305, 1.4 miles downstream from Lake Disston, and 6.4 miles east of Seville, Volusia County

Drainage area --120 sq mi, approximately

Records available --January 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 5.74 ft above mean sea level, datum of 1929 Prior to Jan 5, 1953, graphic water-stage recorder at site 600 ft upstream at same datum Jan 5, 1953, to Apr 28, 1965, graphic water-stage recorder at present site and datum

Average discharge --14 years, 91.6 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 6, 1961	a 499	b 7.18	June 6-10-, 12-16, 1961	0 60	c 0.93
1962	Sept 9, 1962	327	6.26	Many days	0	d 28
1963	Feb 13, 1963	e 246	f 5.93	June 21-23, 1963	g 20	h 93
1964	Sept 14, 1964	1,020	8.54	June 17, 1964	1.1	i 18
1965	Aug 13, 1965	368	6.84	June 8, 1965	40	j 34

a Maximum peak discharge, maximum discharge during year, 558 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred June 13, 14, 1961 d Occurred July 7, 1962  
e Maximum peak discharge, maximum discharge during year, 283 cfs Sept 30, 1963, stage rising  
f Occurred Sept 30, 1963 g Minimum daily h Occurred June 22, 1963

1951-65 Maximum discharge, 1,600 cfs Mar 19, 1960, maximum gage height, 8.72 ft Sept 24, 1953, no flow for many days in 1962, minimum gage height, 0.28 ft July 7, 1962

Remarks --Records fair prior to Oct 1, 1961, good thereafter Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	JCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	547	92	15	20	38	116	40	5.0	.80	1.3	1.9	238
2	520	84	13	19	40	111	28	5.8	.80	1.1	4.2	342
3	483	76	12	18	55	101	22	5.3	.70	1.0	13	421
4	449	68	11	18	73	96	19	4.7	.70	.90	8.5	465
5	418	62	11	17	68	90	16	4.2	.70	1.2	7.9	483
6	399	58	11	17	65	84	15	3.9	.70	1.8	8.7	491
7	389	52	10	17	105	78	20	3.6	.60	1.4	9.3	480
8	392	44	10	17	154	73	19	3.2	.60	1.2	9.3	457
9	416	41	10	19	146	65	18	3.0	.70	1.2	9.5	426
10	431	40	10	18	136	47	36	6.1	.70	1.5	9.7	389
11	426	38	10	18	129	39	25	9.5	.70	2.0	11	349
12	436	37	11	18	123	36	26	5.0	.70	2.0	9.5	306
13	439	35	10	20	119	36	32	4.3	.60	1.8	8.5	272
14	426	33	9.5	25	115	40	24	3.4	.60	1.6	9.1	266
15	387	31	12	24	110	38	21	2.9	.60	1.6	7.9	241
16	342	29	16	23	105	34	20	2.6	.70	1.6	7.9	214
17	298	28	13	22	100	31	18	2.4	1.8	1.5	7.1	187
18	263	27	12	21	97	33	16	2.2	1.0	2.1	7.9	173
19	237	25	12	20	113	54	14	2.0	.80	4.6	8.7	166
20	216	23	12	21	118	44	12	1.9	.70	5.2	11	161
21	196	22	13	19	115	52	11	1.8	.70	3.6	9.1	164
22	180	21	14	18	113	46	10	1.6	.80	2.7	8.3	168
23	166	20	13	17	118	38	9.7	1.6	.80	2.2	8.1	170
24	153	19	13	17	142	33	9.3	1.4	1.2	2.0	7.3	167
25	143	19	13	17	146	28	8.7	1.3	1.0	1.9	7.7	163
26	133	18	13	17	135	25	8.3	1.2	.90	1.6	8.5	156
27	124	18	13	17	122	24	7.5	1.3	1.5	1.6	12	148
28	115	17	14	16	119	23	6.7	1.2	2.0	1.6	14	136
29	106	17	14	16	-----	22	5.9	1.0	1.5	1.7	49	124
30	98	16	14	43	-----	22	5.3	.90	1.3	1.9	104	119
31	94	-----	16	38	-----	24	-----	.80	-----	1.9	159	-----
TOTAL	9,422	1,110	380.5	651	3,019	1,583	523.4	95.10	26.90	59.30	557.6	8,042
MEAN	304	37.0	12.3	21.0	108	51.1	17.4	3.07	.90	1.91	18.0	268
MAX	547	92	16	43	154	116	40	9.5	2.0	5.2	159	491
MIN	94	16	9.5	16	38	22	5.3	.80	.60	.90	1.9	119
CFSM	2.53	.31	.10	.18	.90	.43	.15	.03	.007	.02	.15	2.23
IN.	2.92	.34	.12	.20	.94	.49	.16	.03	.008	.02	.17	2.49
CAL YR 1960	TOTAL 70,433.5	MEAN 192	MAX 1,600	MIN 5.7	CFSM 1.60	IN 21.83						
WAT YR 1961	TOTAL 25,469.80	MEAN 69.8	MAX 547	MIN .60	CFSM .58	IN 7.89						

## 2-2444 2 Little Haw Creek near Seville, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	109	55	25	8.9	12	5.3	3.1	1.2	.10	0	.70	39
2	97	48	24	8.7	12	14	4.3	1.1	.10	0	.80	66
3	85	44	22	7.9	11	8.3	3.1	1.0	.10	0	1.3	95
4	73	40	22	7.9	11	6.5	2.7	.80	0	0	3.0	112
5	60	41	21	7.9	11	5.6	2.5	.80	0	0	5.2	117
6	71	59	20	9.3	10	4.7	2.3	.70	0	0	3.6	128
7	77	73	20	12	9.9	3.9	2.2	.60	0	0	2.3	241
8	68	74	19	11	9.5	3.4	2.4	.60	0	0	2.9	320
9	65	70	18	11	9.3	3.2	2.1	.50	0	.10	2.3	318
10	53	67	17	10	9.9	3.2	1.8	.40	.10	0	1.8	300
11	53	65	17	13	9.5	3.1	1.7	.40	0	0	1.4	302
12	69	65	17	18	1.9	3.1	1.6	.40	0	0	.90	284
13	98	67	18	15	8.5	3.3	1.6	.30	0	0	.70	263
14	100	75	19	14	8.1	3.4	1.4	.30	.20	0	4.2	252
15	128	74	18	13	7.9	5.6	1.3	.20	.20	0	8.7	231
16	137	70	18	13	7.7	4.7	1.2	.20	.10	0	4.2	204
17	145	67	17	14	7.7	3.7	1.0	.10	.10	.10	2.5	176
18	151	61	17	13	7.5	3.1	1.0	.10	0	.30	2.4	154
19	152	55	20	13	7.5	2.8	.90	10	0	.40	3.8	139
20	149	50	21	13	7.1	2.7	.90	0	0	.40	4.0	138
21	137	48	20	12	6.5	2.6	.80	0	0	.40	4.3	156
22	124	43	18	12	6.5	2.6	.80	0	0	.40	3.4	156
23	113	43	17	13	6.3	7.7	.70	0	0	.30	3.4	147
24	103	49	16	13	5.9	6.7	.70	0	0	.20	4.8	145
25	94	43	14	13	5.9	4.6	.60	0	0	.20	8.7	158
26	84	38	13	13	5.6	4.8	.70	0	0	.10	9.9	169
27	75	35	12	13	5.3	3.8	1.1	0	0	.20	11	175
28	64	32	12	14	5.0	3.2	1.0	0	0	2.9	12	172
29	56	30	11	14	-----	2.9	1.6	0	0	3.2	18	166
30	57	27	9.9	13	-----	2.7	1.4	0	0	1.9	20	164
31	60	-----	8.9	12	-----	2.6	-----	0	-----	1.1	26	-----
TOTAL	2,907	1,608	541.8	374.6	233.0	137.8	48.50	9.80	1.00	12.20	178.10	5,487
MEAN	93.8	53.6	17.5	12.1	8.32	4.45	1.62	.32	.033	.39	5.75	183
MAX	152	75	25	18	12	14	4.3	1.2	.20	3.2	26	320
MIN	53	27	8.9	7.9	5.0	2.6	.60	0	0	0	.70	39
CFSM	.78	.45	.15	.10	.07	.04	.01	.003	.0002	.003	.05	1.52
IN.	.90	.50	.17	.12	.07	.04	.02	.003	.0003	.004	.06	1.70
CAL YR 1961	TOTAL	19,614.10	MEAN	53.7	MAX	491	MIN	.60	CFSM	.45	IN	6.08
WAT YR 1962	TOTAL	11,538.80	MEAN	31.6	MAX	320	MIN	0	CFSM	.26	IN	3.58

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	164	36	9.9	20	41	186	30	12	1.3	.60	38	6.9
2	156	30	9.9	21	42	190	27	12	1.4	.60	32	7.6
3	147	27	9.7	21	49	186	25	6.7	1.4	.60	29	7.6
4	140	25	9.5	22	96	179	23	5.1	1.2	.70	25	7.6
5	143	23	9.3	22	128	175	22	3.8	1.0	.60	21	7.3
6	142	21	9.5	22	139	168	20	2.6	1.1	.70	18	7.1
7	137	19	9.1	26	142	156	29	2.2	1.2	.70	16	7.1
8	132	18	8.7	26	143	145	28	2.4	.90	.60	14	6.5
9	127	18	8.3	24	147	141	24	2.0	.80	.60	13	5.4
10	120	17	7.9	24	151	164	21	1.7	.80	.80	11	4.3
11	110	16	7.5	23	156	156	19	1.4	.70	2.3	9.8	3.6
12	103	16	7.9	23	221	148	17	1.3	.70	1.7	9.3	3.0
13	98	18	7.5	23	238	140	16	1.2	.60	.90	8.9	2.5
14	92	16	7.1	24	219	132	14	1.2	.50	.80	10	2.2
15	87	15	6.9	23	205	124	12	1.0	.40	.70	10	1.9
16	80	14	6.7	23	194	114	11	.90	.40	1.3	16	1.8
17	73	14	6.7	23	190	116	9.5	.80	.40	6.2	13	6.0
18	64	13	6.7	24	187	114	8.9	.80	.40	13	12	5.4
19	57	13	6.7	23	196	108	8.2	.70	.30	9.3	14	4.5
20	50	12	6.7	22	198	101	7.8	.70	.30	8.9	12	9.3
21	44	12	6.7	26	187	92	7.1	.70	.20	10	10	7.8
22	53	13	6.9	24	179	78	6.7	.70	.20	15	12	7.6
23	66	12	7.1	24	170	69	6.0	.70	.20	24	9.8	29
24	56	12	7.1	30	171	69	7.0	.30	.37	7.8	8.9	33
25	46	11	7.7	26	180	62	4.0	.80	.60	70	8.4	44
26	38	11	16	27	187	58	4.3	.80	.70	79	8.4	104
27	33	11	32	44	208	56	3.6	1.0	.60	73	8.4	156
28	29	10	23	41	196	49	2.7	1.0	.70	60	7.8	195
29	26	9.9	20	38	-----	43	2.3	.90	.80	48	7.6	225
30	25	10	20	38	-----	38	2.1	.90	.80	39	7.3	255
31	32	-----	20	39	-----	33	-----	1.0	-----	46	6.9	-----
TOTAL	2,970	492.9	328.7	816	4,560	3,584	415.9	69.70	20.90	552.60	427.5	1,164.0
MEAN	96.1	16.4	10.6	26.3	163	116	13.9	2.25	.70	17.8	13.8	38.8
MAX	164	36	32	44	238	190	30	12	1.4	79	38	255
MIN	25	9.9	6.7	20	41	33	2.1	.70	.20	6.9	6.9	1.8
CFSM	.72	.14	.09	.22	1.36	.96	.12	.02	.006	.15	.11	.32
IN.	.83	.15	.10	.25	1.41	1.11	.13	.02	.006	.17	.13	.36
CAL YR 1962	TOTAL	9,973.60	MEAN	27.3	MAX	320	MIN	0	CFSM	.23	IN	3.09
WAT YR 1963	TOTAL	15,102.20	MEAN	41.4	MAX	255	MIN	.20	CFSM	.34	IN	4.68

## 2-2444 2 Little Haw Creek near Seville, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	266	19	86	97	282	123	95	315	7.8	7.4	21	406
2	205	20	82	90	263	116	96	330	7.2	9.5	18	398
3	256	19	85	85	247	114	96	354	6.5	23	14	388
4	241	17	90	82	244	109	97	347	5.7	13	12	375
5	225	17	95	80	241	107	97	340	5.2	9.1	13	361
6	202	21	100	79	282	103	94	312	5.9	8.3	20	343
7	183	20	103	87	280	92	91	291	12	6.5	26	323
8	168	18	109	90	319	86	86	267	7.6	5.2	19	301
9	152	17	113	102	322	82	80	237	5.5	4.4	16	355
10	140	30	108	115	312	79	71	209	4.5	4.0	20	620
11	125	48	107	105	301	72	65	181	3.7	5.7	49	824
12	112	41	108	196	285	72	59	152	3.2	5.9	48	884
13	100	37	108	270	269	78	53	175	2.6	8.5	48	997
14	88	33	109	260	255	74	50	104	2.2	5.1	54	1,010
15	78	29	112	241	239	70	50	84	1.9	3.9	57	969
16	74	27	103	240	232	66	47	71	1.5	3.4	60	902
17	74	26	95	282	215	70	42	59	1.3	5.4	79	836
18	68	26	92	351	212	69	36	50	2.8	7.0	78	764
19	70	25	87	351	217	63	32	42	9.5	4.5	80	705
20	65	24	80	360	197	69	28	35	4.5	3.5	90	654
21	56	23	75	370	183	71	25	29	2.8	3.2	98	641
22	49	23	71	355	176	64	23	24	1.9	2.7	105	605
23	43	22	71	344	170	56	21	21	1.5	4.5	116	575
24	41	22	80	336	160	52	19	18	1.2	6.5	132	545
25	37	22	78	322	150	50	18	16	1.3	5.5	162	515
26	35	78	71	306	139	52	17	14	1.3	17	188	489
27	31	101	67	285	131	73	16	12	3.2	22	208	464
28	29	97	66	317	143	98	98	11	10	15	330	445
29	26	107	73	320	134	115	240	9.7	6.2	41	393	420
30	23	100	75	307	-----	110	317	8.7	5.2	22	407	398
31	20	-----	87	293	-----	100	-----	8.3	-----	17	407	-----
TOTAL	3,342	1,099	7,786	7,108	6,600	2,543	2,198	4,066	135.7	299.7	3,368	17,512
MEAN	108	36.6	249.9	229	212.8	82.0	73.3	131	4.52	9.97	109	584
MAX	366	107	113	370	322	123	117	354	12	41	407	1,010
MIN	20	17	66	79	131	50	16	8	1.2	2.7	12	301
CFSM	.90	.31	.75	1.91	1.90	.68	.61	1.09	.04	.08	.91	4.86
IN.	1.04	.34	.86	2.20	2.05	.79	.68	1.26	.04	.09	1.04	5.43

CAL YR 1963 TOTAL 18,837.60 MEAN 51.6 MAX 266 MIN 20 CFSM .43 IN 5.84  
WAT YR 1964 TOTAL 51,058.1 MEAN 140 MAX 1,010 MIN 1.7 CFSM 1.16 IN 15.82

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	368	60	39	60	36	112	56	12	60	118	243	147
2	344	83	35	58	38	106	52	10	.60	167	319	123
3	326	79	34	58	40	98	48	9.0	.60	198	347	100
4	302	73	48	58	38	113	46	8.1	.60	192	352	81
5	274	69	122	54	37	115	43	7.2	.60	180	345	67
6	240	65	168	53	41	106	42	6.5	.50	160	337	56
7	215	62	156	51	59	93	40	5.8	.40	146	360	48
8	197	60	141	50	70	86	38	5.2	.90	195	356	42
9	183	58	124	49	70	78	36	4.7	1.2	246	346	36
10	169	55	111	48	72	73	34	4.2	1.1	278	352	33
11	155	53	99	48	73	69	32	3.7	1.4	281	349	30
12	137	52	91	46	72	65	33	3.3	1.7	316	376	26
13	126	50	84	43	70	71	32	2.9	1.6	316	387	23
14	132	48	77	47	69	101	31	2.5	1.7	288	374	20
15	145	46	69	54	70	95	30	2.7	1.7	251	352	18
16	148	44	62	60	66	88	30	1.9	3.6	210	329	17
17	125	42	59	54	63	82	29	1.7	26	172	305	20
18	108	42	58	48	61	78	27	1.4	82	137	283	23
19	99	40	55	46	58	74	25	1.4	76	112	277	19
20	93	39	53	44	55	72	24	1.2	85	92	259	21
21	85	42	53	43	53	66	24	1.1	101	105	235	18
22	78	44	52	42	51	58	25	.90	104	143	220	15
23	75	42	51	42	58	55	26	.90	101	113	212	14
24	73	48	50	46	103	54	23	.90	105	88	212	13
25	70	51	49	52	156	53	22	.80	118	74	230	12
26	68	48	48	50	134	52	22	.80	158	73	240	13
27	67	45	48	46	121	54	27	.80	149	76	241	13
28	65	43	69	44	118	71	20	.70	143	75	233	20
29	63	46	66	41	-----	69	17	.80	135	76	219	20
30	60	43	64	39	-----	63	14	.70	127	96	198	23
31	57	-----	62	39	-----	59	-----	.60	-----	138	173	-----
TOTAL	4,667	1,572	2,305	1,510	1,952	2,429	941	103.80	1,528.80	5,112	9,061	1,111
MEAN	150	57.4	74.4	48.7	69.7	78.4	31.4	3.35	51.0	165	292	37.0
MAX	368	83	168	60	156	115	56	12	158	316	387	147
MIN	57	39	34	39	36	52	14	.60	.40	73	173	12
CFSM	1.25	.44	.62	.41	.58	.65	.26	.03	.42	1.37	2.44	.31
IN.	1.44	.49	.71	.47	.60	.75	.29	.03	.47	1.58	2.81	.34

CAL YR 1964 TOTAL 52,355.1 MEAN 143 MAX 1,010 MIN 1.2 CFSM 1.19 IN 16.23  
WAT YR 1965 TOTAL 32,272.60 MEAN 88.4 MAX 387 MIN .40 CFSM .74 IN 10.80

## 2-2452 Rice Creek near Palatka, Fla

Location --Lat 29°41'57", long 81°39'48", in E½ sec 23, T 9 S, R 26 E, near center of span on upstream side of bridge on U S Highway 17, three-quarters of a mile upstream from mouth and 4 miles north of Palatka, Putnam County

Drainage area --353 sq mi

Records available --March 1959 to September 1965

Gage --Water-stage recorder and deflection-meter recorder Datum of gage is 4 40 ft below mean sea level, datum of 1929

Average discharge --6 years, 404 cfs (292,500 acre-ft per year)

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the water years 1961-65 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1961	Oct 8, 1960	291	Apr 25, 1961	842	Oct 23, 1960	84 0	Several days	0
1962	Sept 10, 1962	142	Jan 17, 25, 26, Feb 1, 4, 1962	0	Oct 12, 1961	61 9	do	0
1963	Sept 26, 1963	291	May 19, June 15, Aug 1, 1963	0	Nov 30, 1962	93 9	Feb 17, Mar 3, 4, 7, Aug 17, 1963	0
1964	Sept 11, 1964	560	Mar 9, 1964	6 3	Sept 9, 1964	190	Several days	0
1965	Nov 3, 1964, Aug 9, 1965	140	July 7, 11, 1965	5 0	Oct 8, 1964	75 0	do	0

Maximum and minimum gage heights, in feet, for the water years 1961-65 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage height	Date	Gage height
1961	Oct 3, 1960	7 54	Feb 26, 1961	3 18
1962	Sept 25, 1962	6 90	Jan 8, 1962	3 18
1963	Sept 25, 1963	8 18	Mar 6, 1963	3 19
1964	Sept 9, 1964	10 02	July 22, 1964	3 20
1965	Oct 8, Nov 2, 1964	7 38	Feb 27, 1965	3 17

1959-65 Maximum daily downstream flow, 560,000,000 cu ft Sept 11, 1964, no downstream flow on some days in 1962, 1963, maximum daily upstream flow, 190,000,000 cu ft Sept 9, 1964, no upstream flow on some days each year Maximum gage height, 10 02 ft Sept 9, 1964 (from floodmarks), minimum, 3 17 ft Feb 27, 1965

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Flow computed using continuous velocity record obtained from recording deflection meter Records include undetermined amount of water diverted from ground-water supplies by Hudson Pulp and Paper Corp

## 2-2452 Rice Creek near Palatka, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961													
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Upstream
October		November		December		January		February		March			
1	183	52 8	117	66 9	79 3	36 4	75 5	17 3	57 9	7 01	42 7	9 76	
2	164	65 7	169	44 7	94 9	51 7	67 8	4 41	61 0	0	46 1	4 19	
3	174	66 1	137	43 4	95 1	42 0	64 9	14 2	69 5	24 7	47 6	10 1	
4	158	66 9	112	52 9	85 4	38 1	61 7	11 8	90 5	23 9	47 6	10 1	
5	141	71 1	99 1	45 6	80 7	37 9	54 7	8 19	84 0	22 1	47 2	8 78	
6	146	72 6	86 6	28 1	76 4	28 7	56 0	0	81 4	19 6	44 6	16 3	
7	179	52 8	82 7	36 4	68 4	33 7	55 9	0	82 9	16 8	48 1	11 5	
8	291	5 40	71 0	42 7	62 7	19 4	55 9	0	89 8	9 91	56 2	9 83	
9	233	12 5	82 3	38 3	52 4	34 3	42 8	10 8	104	0	56 8	7 07	
10	178	20 2	85 8	25 5	75 1	39 2	55 5	20 3	84 6	0	50 1	3 28	
11	142	27 1	71 0	27 4	79 8	27 2	59 8	23 3	74 6	0	53 0	2 84	
12	134	36 0	74 6	42 9	45 1	6 91	63 4	24 6	77 5	785	44 0	8 56	
13	121	39 2	86 1	37 0	48 9	16 1	62 8	28 7	69 8	2 05	42 9	19 9	
14	122	45 1	92 1	37 0	67 8	23 8	79 0	17 9	68 5	7 63	47 5	9 61	
15	120	43 8	86 0	36 9	66 0	32 4	73 6	11 9	64 6	11 7	36 4	16 5	
16	115	59 5	88 6	35 9	86 2	24 8	61 1	8 82	65 2	10 2	35 2	18 4	
17	117	62 4	87 9	32 7	73 5	25 6	53 9	13 1	61 8	15 7	40 8	28 0	
18	119	60 2	87 4	35 6	71 0	26 9	53 4	13 2	65 9	18 8	70 0	41 9	
19	120	51 2	84 1	36 6	70 1	27 1	49 8	11 6	65 3	12 9	63 3	28 2	
20	111	57 0	88 8	42 3	63 5	22 2	42 3	14 8	58 2	5 82	51 3	20 6	
21	111	68 4	85 2	42 0	68 3	22 1	47 6	8 67	55 5	4 06	46 8	22 8	
22	116	83 4	69 8	39 6	56 6	8 22	46 1	1 54	58 0	967	50 5	30 1	
23	142	84 0	77 4	35 5	53 5	4 77	33 6	9 16	50 5	5 28	42 9	21 3	
24	130	63 5	77 8	30 5	55 8	4 76	36 4	0	55 1	0	40 0	20 6	
25	101	69 7	72 9	40 0	54 5	4 68	40 3	0	70 2	3 01	37 3	28 2	
26	103	75 8	82 4	38 4	60 7	0	51 6	11 7	53 1	0	34 5	22 7	
27	86 1	72 0	85 0	34 5	70 2	0	61 5	5 39	43 7	2 31	32 4	19 4	
28	81 8	70 2	78 5	29 0	58 3	5 31	61 2	583	39 2	5 03	27 3	19 5	
29	75 2	62 0	80 4	19 5	65 6	20 9	56 4	5 88	-	-	20 2	19 4	
30	92 3	68 9	80 2	19 2	66 5	20 8	61 6	7 37	-----	-----	21 7	18 4	
31	99 9	61 5	-----	-----	64 9	17 7	65 8	7 83	-----	-----	35 1	18 8	
April		May		June		July		August		September			
1	22 2	23 4	16 0	23 0	46 5	23 5	58 4	20 2	37 9	24 4	73 9	12 4	
2	22 4	20 2	29 3	17 1	46 7	14 0	52 3	17 0	34 0	22 4	58 7	13 3	
3	34 4	13 8	25 9	22 1	37 7	16 4	42 4	13 4	43 4	20 1	58 4	13 3	
4	24 0	22 9	29 5	17 3	30 6	14 6	45 1	5 25	38 8	13 1	47 0	12 5	
5	21 4	15 3	26 0	22 3	26 4	12 1	45 7	6 28	44 5	8 55	45 5	20 0	
6	25 0	16 3	25 1	27 6	28 5	12 1	44 4	7 68	20 6	9 67	50 5	24 9	
7	24 3	19 3	19 2	13 7	24 9	18 2	51 5	12 1	26 5	15 2	60 6	30 3	
8	25 2	22 4	21 3	20 9	29 5	20 8	45 4	2 27	28 2	20 0	58 8	27 1	
9	27 2	21 3	21 8	20 4	26 6	17 1	37 5	9 84	36 0	20 0	56 7	26 9	
10	36 2	10 8	30 9	20 0	40 1	17 2	39 2	8 06	23 8	19 6	57 7	28 4	
11	30 8	12 3	41 8	15 6	39 0	16 4	196	0	37 4	17 3	56 4	33 5	
12	46 9	12 4	41 9	14 6	38 5	16 3	97 8	0	34 9	17 9	55 7	29 9	
13	30 5	13 4	32 3	17 3	37 7	14 3	78 6	0	23 1	18 0	57 4	28 7	
14	41 0	2 38	40 5	13 9	32 9	16 1	82 6	0	23 3	18 2	62 5	26 8	
15	41 1	11 5	47 2	19 4	43 6	3 96	73 0	0	29 9	25 3	61 6	20 6	
16	68 7	5 28	35 2	23 2	20 4	22 7	59 1	0	40 0	28 1	40 5	33 3	
17	52 6	4 04	44 9	16 6	35 9	31 7	54 5	0	49 6	16 7	49 3	43 4	
18	30 7	13 3	41 0	25 4	54 1	25 7	44 5	5 70	44 1	25 4	58 8	53 2	
19	22 9	12 0	46 5	25 4	51 0	27 1	57 7	965	55 3	34 3	94 2	59 5	
20	35 3	19 2	40 9	20 3	51 5	22 5	83 2	0	75 7	34 5	91 8	58 4	
21	38 3	16 7	40 8	21 6	39 3	7 86	92 3	0	71 6	30 5	85 8	54 3	
22	26 8	8 71	45 4	16 8	17 2	8 01	96 7	0	63 5	24 9	79 5	52 1	
23	6 11	12 2	42 3	18 2	27 5	0	87 5	0	61 9	23 6	76 2	56 8	
24	943	16 5	34 4	20 6	14 1	4 52	78 6	965	52 2	25 5	79 7	57 0	
25	842	18 4	45 4	19 4	34 0	5 10	59 0	8 08	57 2	30 2	79 4	61 7	
26	14 0	16 8	40 6	10 7	28 4	11 9	47 6	10 0	66 6	35 7	71 0	56 7	
27	17 2	23 4	35 6	17 6	41 5	14 6	49 2	15 6	75 3	39 9	72 9	47 3	
28	11 1	23 3	57 8	18 4	53 5	14 7	47 6	18 3	79 3	29 9	68 3	46 9	
29	18 8	19 2	55 9	21 2	52 3	19 2	43 3	21 3	95 1	18 2	60 7	53 6	
30	31 6	19 0	53 1	15 6	55 6	21 0	44 9	22 0	86 9	13 9	61 3	49 1	
31	-----	-----	46 8	22 8	-----	-----	39 1	22 0	79 6	11 6	-----	-----	

## 2-2452 Rice Creek near Palatka, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
	October		November		December		January		February		March	
1	66 3	61 4	48 0	10 2	53 9	34 5	29 2	14 4	0	41 0	76 8	5 76
2	65 8	39 0	37 6	15 7	52 1	28 5	27 0	7 20	7 96	32 3	67 0	32 5
3	60 2	39 9	35 7	21 6	52 2	13 9	13 5	0	3 13	55 0	87 9	46 5
4	51 3	31 9	39 4	24 7	50 4	12 5	42 6	4 86	0	41 0	100	47 6
5	55 6	39 3	49 3	30 7	41 9	15 2	19 5	11 8	4 97	33 4	111	47 5
6	60 5	42 8	66 9	32 8	43 9	11 0	21 0	17 8	7 70	35 1	109	39 2
7	68 3	40 6	82 0	40 3	42 5	14 8	9 32	17 1	25 7	23 4	85 4	15 8
8	65 3	38 5	72 5	38 0	42 6	18 6	16 2	14 9	25 7	30 4	75 8	44 2
9	71 2	48 8	76 9	49 4	42 1	13 6	24 8	1 48	93 1	0	83 5	51 2
10	74 3	51 0	73 6	44 7	42 2	20 3	14 7	16 7	103	0	87 1	53 6
11	73 4	56 6	65 2	38 2	26 5	18 2	24 4	16 9	86 6	3 96	91 3	53 0
12	64 7	61 9	58 1	38 7	20 7	27 6	38 1	13 6	103	0	96 9	37 2
13	92 9	55 0	52 8	32 0	20 8	20 8	31 3	11 6	80 5	1 94	84 3	13 9
14	80 9	49 5	47 7	26 8	23 5	16 3	25 6	20 1	79 8	6 80	78 8	10 8
15	72 5	49 9	43 8	21 8	36 5	21 4	11 0	22 4	83 3	3 39	66 4	15 4
16	77 0	40 6	36 9	22 6	40 9	21 6	1 53	35 2	63 9	4 79	85 4	16 4
17	58 1	46 3	47 9	15 8	53 1	17 7	0	38 0	80 3	9 72	81 1	9 79
18	65 8	45 1	43 7	20 7	44 9	12 2	6 98	31 4	79 1	15 3	80 4	6 19
19	69 4	47 4	41 8	33 5	37 4	13 8	22 5	29 2	65 8	17 2	61 3	10 1
20	53 3	34 9	60 4	39 3	20 0	14 1	20 5	26 9	78 2	4 68	68 1	5 33
21	61 2	28 6	65 3	38 1	21 8	20 1	14 8	25 4	58 7	7 70	79 8	0
22	56 2	42 2	56 2	34 2	40 8	25 9	6 95	26 0	43 3	7 38	65 4	9 18
23	68 5	53 5	55 0	34 2	39 3	29 4	4 28	35 2	68 8	0	73 5	10 9
24	79 9	58 6	55 5	22 0	22 6	26 4	2 55	34 0	46 5	13 3	83 2	19 4
25	89 6	60 6	48 6	33 6	17 6	19 2	0	45 4	51 5	2 00	82 6	5 54
26	77 4	56 4	57 7	39 9	20 9	21 3	0	31 4	61 0	583	78 3	5 29
27	69 1	55 9	55 4	33 2	25 1	23 5	3 468	36 3	66 7	1 93	94 4	0
28	66 3	47 2	44 9	24 6	10 0	18 2	3 01	41 4	52 2	12 1	98 5	0
29	63 2	42 7	46 6	43 1	23 6	7 99	8 03	32 4	-	-	93 1	0
30	49 7	32 5	66 5	42 3	22 6	9 61	5 94	36 1	-	-	83 6	0
31	35 7	12 5	-----	-----	38 6	1 98	281	29 7	-----	-----	78 4	0
	April		May		June		July		August		September	
1	89 0	5 76	47 3	21 9	90 4	15 4	89 4	31 9	122	0	96 1	32 5
2	88 4	385	56 5	23 1	83 8	16 5	82 4	23 8	90 1	2 93	97 7	20 7
3	102 7	0	57 8	16 4	56 6	10 6	82 6	25 2	103	7 06	89 1	22 2
4	82 7	8 57	69 0	24 8	80 9	10 7	80 1	19 2	92 1	3 13	85 9	13 0
5	82 9	10 9	74 7	25 7	75 0	10 1	78 1	8 24	91 8	5 29	86 0	15 3
6	77 9	14 0	69 6	20 6	64 4	9 61	79 7	23 2	122	8 84	74 4	11 8
7	75 6	6 80	67 0	21 7	74 5	0	73 0	19 0	113	7 88	82 5	18 0
8	86 0	770	79 8	6 80	70 6	11 8	76 0	7 88	92 6	6 88	103	27 6
9	67 2	191	46 2	13 9	63 5	20 6	75 0	9 86	106	1 47	129	8 10
10	72 8	0	42 1	13 2	77 7	20 9	74 8	10 2	84 8	7 60	142	8 06
11	67 9	0	62 9	22 0	78 3	6 91	65 7	29 9	80 2	28 8	119	18 3
12	65 8	7 27	47 1	14 1	77 5	3 13	78 6	22 0	81 3	32 0	108	18 0
13	66 2	8 50	66 1	20 4	79 6	0	71 2	15 5	75 5	34 2	106	31 6
14	78 1	1 32	73 3	17 8	60 8	10 6	79 6	4 86	83 7	35 9	93 7	43 6
15	79 6	1 04	54 7	14 6	57 2	16 6	73 1	3 48	86 5	32 2	100	54 6
16	63 1	5 15	54 5	23 3	74 5	16 2	67 6	1 54	95 7	42 3	100	51 0
17	67 9	3 42	48 8	30 5	83 3	20 7	70 8	1 13	92 1	39 7	90 7	47 2
18	55 6	6 84	56 9	26 8	84 7	23 7	83 1	4 28	103	17 4	89 8	36 0
19	49 3	1 51	68 4	28 6	76 2	21 7	68 3	20 7	99 6	15 4	72 5	31 9
20	56 7	6 05	68 8	21 7	73 4	24 7	80 5	16 6	81 4	17 8	60 1	33 7
21	50 7	9 79	54 8	15 3	70 1	21 0	75 7	21 7	82 7	14 1	75 2	59 6
22	67 9	12 7	63 7	20 0	56 0	10 9	81 6	17 3	88 0	1 47	126	39 5
23	68 4	13 4	71 8	14 0	62 4	6 26	78 3	6 34	84 2	0	128	50 4
24	63 1	4 18	59 3	17 2	62 6	8 89	79 9	385	77 8	15 3	113	55 0
25	52 0	8 03	60 9	5 22	69 7	9 36	71 6	763	92 4	23 9	107	46 3
26	45 1	23 4	54 1	13 0	69 8	6 26	70 4	5 33	101	22 1	130	50 0
27	43 6	17 4	52 5	13 9	61 3	20 2	61 8	24 9	126	8 82	121	50 1
28	48 9	12 2	61 1	26 2	66 7	32 5	73 7	18 6	123	7 60	105	53 9
29	35 9	18 1	80 1	16 5	69 9	41 4	82 5	19 2	107	16 5	103	53 2
30	58 5	20 0	87 6	10 9	75 7	36 4	109	5 40	94 1	20 7	93 2	58 6
31	-----	-----	84 0	13 0	-----	-----	117	0	90 9	28 6	-----	-----

Note --Deflection record doubtful Dec 12 to Feb 8, due to very sluggish flow



## 2-2452 Rice Creek near Palatka, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
	October		November		December		January		February		March	
1	92 7	62 1	64 9	59 4	125	74 4	47 3	24 1	37 2	21 7	54 1	8 33
2	99 4	70 7	65 9	47 5	120	60 0	38 6	30 0	40 1	25 8	76 2	457
3	89 9	66 6	61 8	55 6	95 4	68 8	47 4	24 6	37 0	39 2	82 4	0
4	88 5	60 5	68 1	45 3	89 4	51 1	49 2	21 9	58 6	79 5	66 2	0
5	89 2	47 3	59 6	43 9	90 1	55 6	52 2	23 6	123	39 7	47 5	2 52
6	96 9	38 6	61 6	52 9	87 4	14 1	50 5	22 3	121	48 7	56 3	5 61
7	83 4	36 8	68 2	48 2	55 3	12 8	60 8	33 8	105	36 3	47 6	0
8	75 1	35 6	69 4	47 0	50 9	21 2	63 8	27 6	73 4	28 2	48 5	3 77
9	73 0	33 2	74 6	25 1	59 7	16 0	61 2	32 0	72 2	37 1	40 7	1 62
10	79 3	46 5	67 7	7 94	55 5	6 75	51 8	22 6	81 9	38 9	38 4	907
11	83 6	42 3	47 4	18 1	47 4	14 6	50 9	16 9	69 3	36 0	33 3	1 98
12	94 3	42 3	58 6	23 0	38 8	22 2	45 8	20 5	75 3	23 4	44 6	12 2
13	91 0	45 3	53 6	22 3	42 6	5 80	34 6	9 25	60 7	3 00	41 4	13 7
14	92 4	51 6	55 9	39 6	41 4	15 5	32 4	6 66	51 2	3 20	35 3	14 5
15	88 4	61 5	66 6	30 4	43 0	20 0	27 6	9 10	44 8	3 59	34 9	9 27
16	81 0	60 8	51 9	26 2	34 8	12 2	37 2	21 8	32 2	2 20	36 4	10 2
17	82 7	59 4	45 4	21 3	30 5	13 7	48 0	23 8	55 5	0	27 6	11 5
18	63 1	75 5	28 9	20 2	28 7	1 32	53 0	20 9	58 1	13 1	20 6	7 88
19	82 5	64 4	22 8	24 3	37 2	10 2	42 0	14 8	66 7	8 28	15 0	16 9
20	95 4	60 0	36 5	35 4	34 3	7 91	28 1	13 1	51 5	1 43	11 7	18 9
21	86 4	44 6	42 8	30 1	18 9	11 3	21 3	17 5	53 6	893	19 5	7 96
22	71 1	48 0	29 1	6 27	19 5	11 3	35 4	7 66	49 9	2 71	37 6	8 28
23	72 8	50 0	28 6	7 52	14 9	13 8	32 1	12 4	51 2	10 2	45 3	14 0
24	64 5	44 5	37 8	16 1	18 9	9 40	43 7	9 94	55 9	13 7	50 6	18 5
25	85 0	41 5	34 3	22 8	29 0	21 8	37 2	10 3	53 0	10 3	41 3	19 4
26	48 3	35 0	38 1	31 9	50 5	24 6	44 8	19 1	49 5	5 16	35 4	18 8
27	58 4	42 6	52 7	48 8	46 3	20 9	46 1	22 8	61 5	738	31 1	22 8
28	64 7	42 8	82 6	65 1	41 1	19 0	46 1	12 6	54 3	7 37	31 6	23 7
29	67 3	37 6	80 7	84 8	40 2	19 9	53 4	17 2	-----	-----	26 1	22 1
30	55 1	40 1	91 8	93 9	36 3	13 7	51 8	17 5	-----	-----	31 3	22 8
31	56 5	54 5	-----	-----	45 4	25 4	42 1	13 3	-----	-----	35 1	20 0
	April		May		June		July		August		September	
1	33 7	20 4	11 1	21 5	35 0	42 9	20 0	17 9	0	15 8	48 3	30 5
2	34 8	19 4	10 5	23 1	52 1	44 2	27 0	12 6	423	26 0	54 2	34 9
3	31 4	14 9	8 73	24 9	52 2	30 2	32 1	15 4	14 2	17 1	74 7	43 4
4	21 8	20 0	17 7	21 3	32 8	27 8	33 8	12 3	33 2	5 18	78 7	41 0
5	16 2	21 9	10 6	25 6	17 3	24 0	48 5	5 10	30 6	7 76	66 7	38 9
6	30 8	26 4	2 65	36 2	12 8	21 5	44 1	10 5	20 6	12 0	64 2	40 1
7	38 4	28 9	12 0	28 8	15 3	15 7	46 8	19 3	3 88	12 1	65 1	47 2
8	43 4	20 3	10 2	30 2	14 8	18 7	29 6	16 1	13 4	22 0	69 3	62 3
9	44 4	19 1	12 4	30 4	15 6	26 1	24 1	10 4	15 2	23 4	72 1	62 3
10	31 2	21 1	3 50	30 6	15 2	32 2	23 8	22 9	1 30	20 5	76 3	54 2
11	21 7	23 8	6 53	31 8	15 2	31 7	14 5	18 9	4 35	25 2	67 2	46 7
12	32 4	32 8	4 83	33 4	21 8	36 0	31 6	21 9	12 7	17 5	60 9	36 5
13	36 5	31 5	23 8	38 5	16 9	33 4	41 9	25 8	8 73	23 2	60 2	26 4
14	38 5	33 5	31 9	31 9	9 59	37 8	28 4	29 3	16 0	17 3	51 6	25 3
15	41 9	19 9	10 2	26 2	0	34 5	28 3	29 1	10 8	15 1	51 8	37 2
16	34 7	11 6	5 24	34 5	8 99	34 8	33 4	25 1	27 6	19 3	67 2	58 3
17	33 8	9 24	1 74	32 6	9 42	34 6	28 9	21 0	45 8	20 0	91 2	53 7
18	30 2	13 8	0	40 9	13 2	30 3	27 3	14 5	75 6	13 4	101	69 6
19	21 4	18 4	6 96	36 1	2 16	29 9	18 2	18 2	113	0	102	65 9
20	14 1	22 2	5 65	36 0	4 35	31 7	15 9	22 4	94 0	2 66	120	58 8
21	8 55	23 9	11 8	33 6	3 90	32 1	3 84	28 5	81 0	6 23	115	45 1
22	9 42	23 9	15 3	26 7	1 30	32 7	9 42	26 1	58 9	10 7	90 9	41 5
23	12 4	26 4	32 7	27 4	14 8	25 7	11 3	23 5	56 1	11 1	55 8	68 7
24	16 0	24 2	39 9	39 9	25 1	30 3	11 0	24 1	45 7	9 33	145	50 8
25	31 0	25 3	46 3	45 4	30 9	27 0	12 4	22 6	42 2	10 2	216	24 5
26	26 5	23 0	46 7	45 8	26 5	24 4	9 68	13 2	29 4	15 1	291	9 42
27	28 3	18 6	41 0	39 2	19 4	23 4	5 27	18 0	39 1	37 8	272	18 6
28	23 8	18 5	43 3	33 3	13 2	29 0	10 9	19 7	52 3	33 0	271	5 55
29	22 6	16 9	41 5	31 5	11 8	26 3	9 16	24 0	56 9	32 6	257	6 38
30	14 5	21 8	27 8	23 3	11 4	28 9	8 73	26 5	54 5	24 1	176	17 5
31	-----	-----	28 8	35 5	-----	-----	15 1	22 4	44 8	35 3	-----	-----

2-2452 Rice Creek near Palatka, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Day	VOLUME OF DOWN-STREAM		IN MILLIONS UP-STREAM		DOWN-STREAM		UP-STREAM		DOWN-STREAM		UP-STREAM		DOWN-STREAM		UP-STREAM		
	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	
	October		November		December		January		February		March						
1	180	16	72	50	23	19	100	22	65	3 7	92	1 4					
2	180	31	74	57	30	18	64	9 8	45	5 1	62	2 3					
3	160	49	55	40	18	19	27	4 6	42	3 7	52	7 4					
4	130	56	47	40	26	10	24	8 2	41	19	37	8 2					
5	100	70	40	37	28	17	14	9 5	45	4 7	23	12					
6	100	78	36	35	18	13	21	18	45	3 2	16	11					
7	100	72	24	24	22	8 7	20	14	45	6 3	14	10					
8	86	62	22	19	24	12	21	4 5	160	1 4	17	14					
9	73	57	25	17	28	9 5	34	6 8	220	0	6 3	15					
10	60	69	35	24	16	8 5	30	4 6	130	0	17	12					
11	85	64	50	35	25	15	30	2 7	71	5 8	24	5 3					
12	97	55	58	40	8 1	19	97	6 0	53	2 3	20	3 6					
13	69	59	59	40	12	21	200	0	49	5 0	30	8 1					
14	83	68	58	38	16	24	140	0	40	4 1	27	9 9					
15	82	61	55	36	22	20	70	4 6	44	11	30	16					
16	82	61	48	31	38	24	54	9 3	36	21	31	14					
17	86	64	35	27	38	24	77	6 6	23	21	44	19					
18	75	58	29	26	38	28	120	4 3	24	18	40	7 8					
19	70	64	26	24	38	23	120	2 8	14	8 6	20	17					
20	62	56	30	23	33	19	80	2 8	25	5 8	24	26					
21	59	54	34	31	30	24	73	0	26	9 4	24	13					
22	56	60	35	30	37	38	55	0 92	14	9 1	34	7 4					
23	49	85	38	16	38	30	32	0	25	10	30	6 0					
24	79	87	35	21	36	26	55	4 6	29	12	46	15					
25	110	60	41	40	26	18	41	8 3	39	12	28	23					
26	94	57	61	38	28	21	26	9 2	35	22	25	20					
27	84	60	65	31	25	19	10	11	31	27	25	18					
28	83	61	54	31	25	22	120	4 7	65	23	24	17					
29	87	51	47	22	35	22	230	0	120	2 8	25	15					
30	80	54	30	15	46	33	140	4 7	-----	-----	23	11					
31	80	54	-----	-----	100	49	86	0	-----	-----	22	10					
	April		May		June		July		August		September						
1	18	6	50	2 3	30	29	25	23	7 3	12	46	19					
2	17	5	72	24	26	16	22	23	14	13	54	26					
3	19	6 3	140	17	26	18	23	21	21	12	72	37					
4	20	9 0	140	11	25	26	15	18	18	14	79	43					
5	20	7 8	150	31	28	27	21	18	36	11	75	40					
6	25	14	130	41	35	30	22	24	37	16	68	46					
7	26	9 0	120	46	54	31	39	23	67	11	66	46					
8	30	14	93	35	60	34	41	19	69	14	55	74					
9	23	14	72	37	56	34	27	21	110	0	16	190					
10	30	11	51	30	53	32	18	21	130	47	440	13					
11	30	10	43	30	48	28	9 4	23	85	0	560	0					
12	22	14	41	32	43	28	9 0	17	44	4 6	480	0					
13	25	16	31	30	40	30	17	18	19	9 5	0	0					
14	38	23	28	30	32	24	9 7	11	19	6 4	340	0					
15	40	20	34	36	18	19	17	12	25	12	210	5 5					
16	26	12	34	35	18	7 3	19	21	30	12	150	17					
17	26	9 2	34	33	17	3 2	18	20	30	13	140	31					
18	23	8 6	32	23	16	14	14	1 8	35	2 8	140	32					
19	27	10	30	30	37	14	9 8	4 5	36	2 8	120	40					
20	26	11	31	26	25	16	24	9 8	59	4 6	110	57					
21	23	12	28	27	17	12	16	13	73	2 3	130	72					
22	14	15	25	32	19	16	22	6 2	120	0	130	70					
23	30	13	24	22	21	14	21	8 4	96	0	130	69					
24	17	11	35	21	13	12	14	8 8	79	92	110	70					
25	21	5 9	29	24	28	9 8	19	10	54	2 3	100	74					
26	14	17	27	22	21	11	20	8 4	44	5 6	100	70					
27	35	20	23	22	25	6 3	16	12	38	24	110	61					
28	40	23	18	13	17	15	30	7 2	74	49	100	52					
29	120	6 5	19	14	19	18	21	3 1	89	13	88	46					
30	97	0	20	21	33	21	12	9 0	69	12	95	35					
31	-----	-----	31	33	-----	-----	15	13	52	13	-----	-----					

## 2-2452 Rice Creek near Palatka, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

Day	VOLUME OF FLOW IN MILLIONS		DOWN-STREAM, WATER		DOWN-STREAM, OCEAN		DOWN-STREAM, OCEAN		DOWN-STREAM, OCEAN		DOWN-STREAM, OCEAN	
	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	October		November		December		January		February		March	
1	88	28	80	59	42	24	27	8 7	13	8 6	22	3 6
2	84	30	120	54	36	29	17	9 7	19	9 5	35	4 0
3	81	26	140	58	31	26	21	9 2	26	11	28	5 5
4	71	24	130	63	30	25	34	22	24	10	39	8 3
5	46	22	120	52	43	16	40	18	28	12	40	4 6
6	78	62	95	39	84	0	32	21	19	14	20	5 8
7	110	72	84	35	84	1 9	31	25	42	9 2	18	4 5
8	110	75	74	37	49	6 6	31	19	26	0	12	11
9	120	67	70	31	44	8 4	20	13	19	91	16	9 8
10	100	61	50	28	29	7 9	17	6 8	19	3 2	14	9 3
11	70	66	55	24	34	7 9	19	15	20	11	14	7 5
12	94	52	48	20	31	11	16	14	29	12	28	11
13	80	46	38	13	22	6 9	28	19	36	18	15	17
14	86	60	42	12	20	22	27	17	39	26	33	20
15	100	50	34	17	36	22	33	22	71	30	29	17
16	110	8 9	41	26	40	22	37	21	84	29	22	18
17	70	19	38	25	40	21	38	14	74	31	28	16
18	67	34	25	27	36	21	31	17	69	28	37	12
19	76	35	29	23	33	27	27	22	64	28	29	17
20	74	44	24	24	45	32	27	24	55	30	30	18
21	86	44	23	21	40	25	25	15	59	30	42	18
22	81	49	34	28	32	22	15	17	49	20	43	16
23	72	45	43	36	30	22	11	18	26	15	39	9 7
24	64	52	38	27	18	7 7	22	62	12	26	5 4	
25	78	57	44	25	22	14	16	8 5	76	1 8	35	0
26	71	42	29	16	17	14	20	12	74	0	30	45
27	68	34	19	18	24	0	12	11	53	86	31	3 6
28	63	31	14	23	61	0	7 7	9 9	35	0	31	8 2
29	62	30	22	18	90	2 8	9 0	9 0	-----	-----	40	7 4
30	67	34	33	26	50	1 4	17	11	-----	-----	36	11
31	66	40	-----	-----	37	8 3	11	16	-----	-----	30	24
	April		May		June		July		August		September	
1	49	30	22	16	33	18	24	25	39	6 5	56	18
2	57	28	17	12	27	18	21	28	72	3 7	46	13
3	49	30	19	15	30	12	40	28	57	2 8	35	30
4	52	28	28	14	34	7 8	32	16	50	4 7	42	40
5	50	22	21	18	30	23	16	24	38	11	52	40
6	40	19	17	16	37	24	11	19	42	6 5	59	46
7	26	20	22	6 7	22	22	5 0	20	100	0	64	63
8	14	16	23	9 0	6 9	22	12	19	130	0	79	62
9	10	13	19	10	10	18	16	14	140	0	95	36
10	16	22	26	14	23	16	7 2	8 2	100	46	78	48
11	29	22	18	14	16	11	5 0	11	66	0	64	42
12	21	22	23	17	19	4 5	10	6 3	53	5 5	60	43
13	29	19	21	12	20	9 4	25	7 2	52	2 8	55	37
14	24	17	29	18	28	2 2	24	4 5	30	3 2	43	36
15	42	21	31	15	27	5 4	23	4 0	20	8 7	42	31
16	37	20	26	13	10	8 1	10	9 4	39	5 6	43	30
17	40	18	20	11	8 2	19	12	7 7	63	2 8	40	29
18	31	15	26	6 7	23	10	25	4 1	58	6 5	39	29
19	16	16	7 1	12	44	12	35	2 3	26	14	36	26
20	22	14	18	8 0	44	9 4	18	6 7	17	16	47	29
21	21	19	22	5 4	27	5 1	24	16	20	13	49	30
22	35	15	15	10	15	10	47	25	24	19	47	31
23	27	9 2	9 5	9 1	13	17	64	22	22	20	43	36
24	11	11	9 1	12	13	10	47	15	32	12	38	30
25	12	19	7 2	11	12	8 6	28	15	51	10	47	36
26	21	12	8 6	15	17	11	23	16	40	15	50	42
27	19	12	11	18	18	12	29	15	56	15	62	48
28	15	11	12	16	27	18	32	16	69	8 3	75	54
29	20	12	8 9	19	24	17	13	17	63	6 4	100	45
30	27	12	7 2	26	13	23	28	26	50	8 4	120	28
31	-----	-----	19	17	-----	-----	34	26	63	26	-----	-----

2-2455 South Fork Black Creek near Penney Farms, Fla

Location --Lat 29°58'45", long 81°51'08", in NE¼ sec 13, T 6 S, R 24 E, on right bank at upstream side of bridge on State Highway 16, 0.7 mile downstream from Greens Creek, 2½ miles west of Penney Farms, Clay County, and 9½ miles west of Green Cove Springs

Drainage area --134 sq mi

Records available --October 1939 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 9.82 ft above mean sea level, datum of 1929 (levels by Corps of Engineers) Prior to July 18, 1940, staff gage and July 18, 1940, to Sept 30, 1963, graphic water-stage recorder, at same site and datum

Average discharge --26 years, 159 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,300 cfs), water years 1961-65									
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time
Oct 7, 1960	1730	1,620	13.81	Sept 28, 1963	0500	* 2,380	15.48	May 3, 1964	1530
July 19, 1961	1400	2,840	16.25					Sept 11, 1964	0745
Aug 27, 1961	1700	* 3,400	17.00	Jan 13, 1964	0830	1,600	13.67		
Aug 30, 1961	1200	1,340	12.93	Feb 29, 1964	0215	2,090	14.88	July 30, 1965	1300
Aug 5, 1962	1430	* 1,110	12.04						

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1	June 7, 8, 1961	24	0.86	1964	June 25, 26, 1964	20	63
	May 28, 1962	22	67	1965	May 27, 1965	24	87
	May 20, 1963	12	68				

1939-65 Maximum discharge, 13,900 cfs Oct 19, 1944 (gage height, 26.33 ft, from floodmarks), from rating curve extended above 11,000 cfs, minimum, about 9.40 cfs June 24, 1955, minimum gage height, 0.52 ft Aug 18, 1954

Remarks --Records good except those for the 1961 and 1965 water years, which are fair

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	450	388	67	122	135	145	90	43	27	84	69	505	
2	350	321	66	120	114	128	76	48	27	79	101	337	
3	260	244	64	100	292	112	67	46	26	61	89	241	
4	210	179	64	87	563	104	67	45	25	50	81	185	
5	180	142	63	82	479	97	62	42	25	53	75	167	
6	160	120	62	78	296	90	59	41	25	45	70	149	
7	1,000	105	61	74	327	86	64	39	24	53	66	166	
8	1,520	94	60	74	533	81	64	38	68	62	62	137	
9	1,120	91	60	81	434	77	64	39	140	77	86	130	
10	622	87	61	77	286	71	108	80	56	455	72	117	
11	370	84	68	74	216	69	90	103	41	943	62	107	
12	270	82	112	71	171	67	88	71	42	792	57	127	
13	216	84	100	100	144	66	110	53	41	524	59	368	
14	184	82	85	185	126	67	97	46	44	340	214	507	
15	165	80	93	179	112	65	94	41	79	300	147	357	
16	145	78	164	137	103	61	250	39	95	228	91	270	
17	129	76	137	110	95	60	149	36	265	286	76	303	
18	117	78	103	95	91	114	97	34	170	504	71	333	
19	111	132	89	87	125	358	80	33	90	2,240	125	245	
20	117	119	84	88	126	190	69	33	62	1,500	757	183	
21	110	99	88	84	110	336	62	37	73	1,160	608	140	
22	103	87	97	78	117	341	58	37	102	1,080	290	114	
23	95	81	87	75	359	198	55	33	76	581	211	95	
24	89	77	82	74	579	144	53	32	56	310	163	83	
25	84	74	78	89	380	117	50	33	50	232	150	76	
26	80	74	76	103	292	100	48	35	127	177	337	72	
27	79	76	73	98	224	89	47	36	95	136	2,500	78	
28	78	76	72	90	174	82	46	34	88	108	1,860	78	
29	76	73	71	135	-----	76	44	32	101	90	952	69	
30	74	71	72	181	-----	72	43	30	85	80	1,240	72	
31	139	-----	76	169	-----	72	-----	28	-----	76	898	-----	
TOTAL	8,703	3,454	2,535	3,197	7,003	3,735	2,351	1,317	2,225	12,706	11,639	5,811	
MEAN	281	115	81.8	103	250	120	78.4	42.5	74.2	410	375	194	
MAX	1,520	388	164	185	579	358	250	103	265	2,240	2,500	507	
MIN	74	71	60	71	91	60	43	28	24	45	57	69	
CFSM	2.10	.86	.61	.77	1.87	.90	.58	.32	.55	3.06	2.80	1.45	
IN.	2.42	.96	.70	.89	1.94	1.04	.65	.37	.62	3.53	3.23	1.61	
CAL YR 1960	TOTAL	85,700		MEAN	234	MAX	3,980	MIN	31	CFSM	1.75	IN	23.78
WAT YR 1961	TOTAL	84,676		MEAN	177	MAX	2,500	MIN	24	CFSM	1.32	IN	17.95



## 2-2455 South Fork Black Creek near Penney Farms, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	435	41	59	331	260	786	101	187	53	39	107	127
2	492	52	54	281	215	390	89	341	46	40	86	154
3	272	50	52	191	181	279	79	2,420	39	61	107	147
4	200	47	52	144	167	225	74	1,550	35	68	116	133
5	159	50	51	120	176	190	71	666	32	53	89	109
6	136	61	50	103	476	164	70	316	43	41	82	91
7	115	55	49	129	486	145	67	217	88	33	77	77
8	100	49	50	157	774	132	64	163	72	28	134	68
9	86	46	49	239	1,050	122	83	129	48	26	229	93
10	77	93	48	331	561	116	72	102	38	26	231	1,950
11	72	122	47	301	325	107	64	84	33	32	173	5,930
12	68	114	46	693	254	107	59	73	30	94	177	3,470
13	66	91	65	1,440	211	110	57	69	28	122	140	4,200
14	64	71	85	817	185	103	55	79	26	92	142	1,830
15	66	63	70	390	165	98	68	75	75	75	118	934
16	73	59	60	268	155	92	63	68	24	56	92	524
17	73	58	55	361	142	91	57	62	23	56	85	744
18	66	56	53	757	165	86	54	57	24	138	89	276
19	61	54	52	647	240	81	51	53	27	107	128	237
20	58	53	50	444	207	86	49	50	24	70	176	207
21	55	52	51	386	162	89	48	47	29	63	199	192
22	51	52	51	274	143	81	45	45	26	60	347	198
23	50	51	53	222	136	77	43	44	23	69	405	178
24	53	51	79	197	125	74	41	43	21	66	240	158
25	53	50	79	180	122	74	43	41	21	65	178	144
26	51	52	69	185	125	95	48	41	21	98	138	146
27	48	52	62	182	167	155	46	40	40	251	110	171
28	46	51	59	554	1,120	154	137	38	30	292	140	148
29	44	68	61	1,040	157	157	267	37	25	199	255	139
30	42	70	63	596	-----	140	243	37	31	135	235	152
31	41	-----	162	337	-----	116	-----	49	-----	110	158	-----
TOTAL	3,173	1,834	1,886	12,297	10,155	4,722	2,308	7,223	1,025	2,665	4,983	22,527
MEAN	102	61.1	60.8	397	350	152	76.9	233	34.2	86.0	161	751
MAX	435	122	162	1,440	1,660	786	267	2,420	88	292	405	5,930
MIN	41	46	46	103	122	74	44	43	26	77	48	68
CFSM	.76	.46	.45	2.96	2.61	1.14	.57	1.74	.25	.64	1.20	5.60
IN.	.88	.51	.52	3.41	2.82	1.31	.64	2.00	.28	.74	1.38	6.25
CAL YR 1963	TOTAL	50,065	MEAN	137	MAX	2,020	MIN	12	CFSM	1.02	IN	13.89
WAT YR 1964	TOTAL	74,798	MEAN	204	MAX	5,930	MIN	21	CFSM	1.53	IN	20.76

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	137	129	108	209	105	229	142	49	36	120	466	190
2	137	364	101	178	110	214	128	46	30	113	694	150
3	163	334	97	157	134	246	116	45	26	113	776	140
4	155	228	145	141	123	489	106	43	27	106	524	120
5	147	191	413	127	106	639	99	41	35	95	340	110
6	133	170	614	118	105	399	92	40	35	184	285	100
7	125	148	451	111	314	273	86	39	29	573	356	90
8	114	130	294	106	471	217	80	38	38	452	472	84
9	110	118	234	102	328	181	74	37	130	271	724	90
10	103	107	195	97	243	162	71	36	117	201	621	83
11	97	101	169	94	193	152	69	36	209	223	367	77
12	98	95	151	91	160	140	65	35	311	301	490	72
13	95	91	138	89	186	137	61	41	541	569	556	68
14	125	89	132	87	415	162	57	38	729	371	313	69
15	266	86	134	92	911	155	55	35	652	286	314	511
16	265	90	125	97	794	137	53	34	720	364	449	276
17	204	88	118	92	422	124	51	32	826	310	544	161
18	155	84	115	87	292	116	49	31	1,070	256	717	178
19	129	81	110	85	248	343	48	31	975	207	334	144
20	113	82	106	83	209	709	48	29	520	254	221	115
21	100	132	112	82	178	753	46	28	300	550	177	97
22	94	154	122	80	155	461	50	28	210	395	166	83
23	88	143	115	79	173	293	65	28	199	230	171	78
24	84	145	109	118	473	233	56	27	512	165	522	81
25	83	165	102	156	800	194	56	27	545	131	522	75
26	81	167	97	125	850	166	81	26	351	125	337	69
27	80	151	362	111	461	147	79	27	320	539	279	91
28	78	132	699	103	290	163	70	42	222	497	326	187
29	79	127	549	99	-----	199	60	91	163	869	372	245
30	76	121	333	96	-----	181	53	103	134	1,450	365	346
31	73	-----	254	118	-----	158	-----	57	-----	938	260	-----
TOTAL	3,787	4,263	6,803	3,410	9,249	8,172	2,166	1,240	10,012	11,258	13,060	4,180
MEAN	122	142	219	110	330	264	72.2	40.0	334	363	421	139
MAX	266	364	699	209	911	753	142	103	1,070	1,450	776	511
MIN	73	81	97	79	105	116	46	26	26	95	166	68
CFSM	.91	1.06	1.64	.82	2.47	1.97	.54	.30	2.49	2.71	3.14	1.04
IN.	1.05	1.18	1.89	.95	2.57	2.27	.60	.34	2.78	3.12	3.62	1.16
CAL YR 1964	TOTAL	82,758	MEAN	226	MAX	5,930	MIN	21	CFSM	1.69	IN	22.97
WAT YR 1965	TOTAL	77,600	MEAN	213	MAX	1,450	MIN	26	CFSM	1.59	IN	21.54

## 2-2460 North Fork Black Creek near Middleburg, Fla

Location --Lat 30°06'47" long 81°54'24" in NE 1/4 sec 33, T 4 S, R 24 E, at left bank a third of a mile upstream from Big Branch, 4 miles northwest of Middleburg, Clay County, and 6 1/2 miles up-stream from confluence with South Fork

Drainage area --174 sq mi

Records available --October 1931 to September 1965

Gage --Water-stage recorder Datum of gage is 0.62 ft above mean sea level, datum of 1929 (levels by Corps of Engineers) Prior to Mar 31, 1933, staff gage at site three-eighths of a mile downstream at different datum Mar 31, 1933, to Apr 28, 1955, staff gage at same site and datum

Average discharge --34 years, 187 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,300 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct. 9, 1960	1700	2,200	14.86	Jan 13, 1964	1430	2,640	15.55	Feb 25, 1965	2200	2,820	15.77
July 20, 1961	1800	2,220	14.90	Jan 18, 1964	2400	1,580	13.40	June 19, 1965	0400	1,340	12.05
Aug 27, 1961	1830	* 6,120	18.97	Feb 29, 1964	0300	4,440	17.40	July 31, 1965	0130	1,300	11.80
				May 3, 1964	1000	* 12,600	23.91	Aug 16, 1965	1900	* 4,770	17.70
Aug 8, 1962	0600	* 1,710	13.84	Aug 30, 1964	0800	1,830	14.15	Aug 30, 1965	1500	3,050	16.02
				Sept 11, 1964	0500	11,200	22.92	Sept 29, 1965	1700	1,510	13.07
Feb 5, 1963	0700	3,200	16.14	Dec 6, 1964	0300	4,030	17.03				
June 27, 1963	1730	3,270	16.21	Dec 28, 1964	1400	2,060	14.69				
Sept 28, 1963	1600	* 3,290	16.23	Feb 15, 1965	1900	3,080	16.05				
Sept 30, 1963	1700	3,020	15.97								

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 8, 1961	19	0.92	1964	June 24, 1964	24	99
1962	May 21, 22, 1962	9.8	63	1965	June 4, 1965	15	82
1963	May 21, 1963	13	78				

1931-65 Maximum discharge, 12,600 cfs May 3, 1964, (gage height, 23.91 ft), minimum observed, 3.6 cfs June 8, 1935 (gage height, 0.26 ft)  
Maximum stage known, 25.3 ft in June 1919, from information by old resident (discharge, 15,000 cfs)

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

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,140	115	49	97	149	195	100	32	26	122	102	1,090
2	632	111	46	111	129	157	81	33	24	113	86	637
3	364	91	44	98	265	130	67	33	22	93	77	381
4	260	89	43	87	516	112	60	31	21	75	68	261
5	198	90	40	87	546	107	56	30	21	65	63	196
6	166	80	43	82	379	99	52	30	20	56	62	154
7	284	67	44	73	346	91	54	30	20	50	73	131
8	954	61	42	63	454	84	56	28	19	47	66	116
9	2,040	60	44	71	491	74	56	27	55	65	57	105
10	1,640	57	47	78	393	68	72	66	69	94	53	93
11	910	55	49	70	289	61	110	106	52	114	53	82
12	513	56	55	63	216	57	100	78	59	222	57	92
13	342	59	56	77	168	54	120	67	46	555	63	130
14	264	56	56	184	141	55	112	66	48	584	53	168
15	215	58	69	176	122	55	109	59	238	386	54	155
16	184	59	123	141	114	49	362	45	356	282	65	223
17	155	53	112	118	103	48	304	39	526	668	70	225
18	136	56	92	106	93	56	240	36	629	1,220	80	156
19	122	58	84	94	229	103	190	33	413	1,360	119	123
20	112	53	83	91	436	109	150	29	245	2,120	588	105
21	114	53	88	87	372	376	117	26	199	1,660	887	88
22	106	53	122	74	264	498	89	26	250	1,270	942	76
23	97	49	98	66	237	616	73	24	258	912	455	66
24	88	51	80	65	430	337	61	26	248	522	370	56
25	81	50	76	80	551	208	53	27	195	401	1,280	49
26	76	50	74	108	489	152	48	40	169	367	1,690	46
27	69	56	66	123	369	115	45	67	171	342	4,520	42
28	66	57	63	112	260	88	41	65	183	340	4,220	40
29	66	54	66	140	-----	72	38	45	154	246	1,670	108
30	63	52	66	207	-----	68	34	37	132	177	1,270	788
31	68	-----	65	185	-----	67	-----	30	-----	129	1,370	-----
TOTAL	11,525	1,909	2,087	3,214	8,551	4,361	3,050	1,311	4,868	14,657	20,583	5,982
MEAN	372	63.6	67.3	104	305	141	102	42.3	162	473	664	199
MAX	2,040	115	123	207	551	616	362	106	629	2,120	4,520	1,090
MIN	63	49	40	63	93	48	34	24	19	47	53	40
CFSM	2.14	.37	.39	.60	1.76	.81	.58	.24	.93	2.72	3.82	1.15
IN.	2.46	.41	.45	.69	1.83	.93	.65	.28	1.04	3.13	4.40	1.28

CAL YR 1960 TOTAL 104,082 MEAN 284 MAX 5,830 MIN 23 CFSM 1.63 IN 22.25  
WAT YR 1961 TOTAL 82,098 MEAN 225 MAX 4,520 MIN 19 CFSM 1.29 IN 17.55

Note Stage-discharge relation affected by tide Oct 12 to Nov 28

## 2-2460 North Fork Black Creek near Middleburg, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	418	27	40	37	59	38	79	24	58	40	621	58	
2	285	27	38	42	53	47	197	24	48	35	748	54	
3	156	26	35	41	52	139	192	21	45	28	1,160	58	
4	109	24	36	41	49	130	130	20	52	26	1,060	75	
5	80	26	37	40	48	100	109	19	51	29	815	93	
6	65	83	35	59	64	79	87	18	40	34	872	92	
7	58	143	33	1120	107	68	69	17	35	220	1,220	92	
8	47	136	35	96	85	57	61	17	36	255	1,640	240	
9	44	245	33	87	74	54	49	17	33	133	1,220	584	
10	43	223	33	88	77	49	48	17	27	83	684	627	
11	40	144	33	106	81	47	43	16	23	52	358	341	
12	38	106	34	157	77	49	39	16	22	38	229	188	
13	35	86	39	152	77	61	38	15	21	33	159	112	
14	59	74	49	133	73	51	42	14	19	30	116	81	
15	136	65	43	125	64	73	36	13	74	27	92	63	
16	106	59	45	121	56	122	34	13	156	26	74	51	
17	74	54	46	106	54	101	32	12	122	26	66	41	
18	59	53	46	92	56	80	29	12	72	40	63	35	
19	48	51	46	86	54	68	27	12	67	110	58	32	
20	41	49	45	75	53	58	25	11	63	131	54	42	
21	36	44	39	68	49	52	24	10	47	136	53	90	
22	33	39	38	69	49	47	24	11	58	182	126	80	
23	32	42	36	64	55	99	24	15	61	295	182	138	
24	31	73	35	65	52	174	24	18	54	258	354	278	
25	31	68	33	64	47	139	22	18	44	146	591	400	
26	31	60	32	58	42	127	24	16	35	89	436	364	
27	30	61	32	60	39	115	27	15	29	74	259	248	
28	27	59	34	68	38	98	28	15	56	315	164	179	
29	24	52	35	71	-----	80	26	16	60	567	116	130	
30	26	44	35	63	-----	68	28	17	43	507	84	92	
31	26	-----	34	60	-----	57	-----	24	-----	445	65	-----	
TOTAL	2,268	2,243	1,164	2,504	1,684	2,522	1,622	503	1,551	4,410	13,739	4,958	
MEAN	73.2	74.8	37.5	80.8	66.1	81.4	54.1	16.2	51.7	162	423	155	
MAX	418	245	49	157	107	174	197	24	156	567	1,640	627	
MIN	24	24	32	37	38	38	27	10	19	26	53	32	
CFSM	.42	.43	.22	.46	.35	.47	.31	.09	.30	.82	2.55	.95	
IN.	.48	.48	.25	.54	.36	.54	.35	.11	.33	.94	2.94	1.06	
CAL YR 1961	TOTAL 72,252			MEAN 198		MAX 4,520		MIN 19		CFSM 1.14		IN 15.44	
WAT YR 1962	TOTAL 39,168			MEAN 107		MAX 1,640		MIN 10		CFSM .62		IN 8.37	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	75	50	87	86	232	256	46	28	39	650	89	298	
2	72	42	87	72	194	407	43	29	36	493	132	515	
3	237	35	74	63	257	591	42	27	26	564	163	320	
4	225	40	68	58	1,330	532	43	24	20	903	159	218	
5	313	44	62	52	2,880	378	42	23	18	783	112	175	
6	255	38	60	51	1,650	295	40	21	18	421	90	151	
7	198	36	54	133	1,040	237	53	20	18	338	72	125	
8	159	31	45	186	641	186	67	22	18	373	75	118	
9	135	35	40	155	436	169	61	23	18	625	80	137	
10	115	42	40	133	318	258	54	23	20	753	90	126	
11	74	40	38	115	253	273	47	21	18	590	98	100	
12	77	32	40	125	431	234	40	21	19	350	130	83	
13	63	38	51	399	715	193	38	21	23	228	136	71	
14	53	42	51	635	651	163	35	18	23	166	130	60	
15	49	43	48	616	400	192	32	18	19	127	199	53	
16	48	40	47	403	290	270	29	19	18	225	317	52	
17	44	39	48	267	235	236	28	19	22	656	474	50	
18	40	39	52	200	196	191	27	18	28	1,140	445	48	
19	36	44	50	162	270	159	26	16	33	779	489	46	
20	36	47	48	138	525	132	26	15	24	403	425	46	
21	31	40	48	145	493	119	24	15	23	272	321	48	
22	29	48	47	164	335	100	24	26	28	264	479	56	
23	31	53	44	163	248	84	23	32	191	450	602	81	
24	29	42	42	146	252	75	23	33	378	464	625	132	
25	30	36	38	129	460	72	22	34	407	396	357	178	
26	31	35	36	118	502	68	21	28	511	287	597	227	
27	29	35	71	261	391	63	21	25	2,410	210	519	812	
28	29	35	148	575	310	59	20	26	2,100	164	274	2,630	
29	29	35	139	667	-----	52	20	32	1,230	139	184	2,180	
30	29	60	117	622	-----	50	20	32	786	120	137	2,530	
31	32	-----	101	291	-----	48	-----	37	-----	106	123	-----	
TOTAL	2,633	1,216	1,921	7,130	15,935	6,142	1,037	746	8,522	13,439	8,123	11,666	
MEAN	84.9	40.5	62.0	230	561	198	34.6	24.1	286	434	262	389	
MAX	313	60	148	647	2,880	591	67	37	2,410	1,140	625	2,630	
MIN	29	31	36	51	194	48	20	15	18	106	72	46	
CFSM	.49	.23	.36	1.32	3.27	1.14	.20	.14	1.63	2.49	1.51	2.23	
IN.	.56	.26	.41	1.52	3.41	1.31	.22	.16	1.82	2.87	1.74	2.49	
CAL YR 1962	TOTAL 39,263			MEAN 108		MAX 1,640		MIN 10		CFSM 1.24		IN 8.37	
WAT YR 1963	TOTAL 78,510			MEAN 215		MAX 2,880		MIN 15		CFSM 1.24		IN 16.78	



## 2-2460 North Fork Black Creek near Middleburg, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,980	33	78	271	285	1,790	94	570	42	55	568	484
2	1,100	37	65	225	246	907	82	935	41	69	598	333
3	606	40	61	191	213	496	78	10,900	40	60	654	233
4	381	37	65	175	189	363	70	6,430	38	52	359	172
5	285	43	65	150	186	282	69	2,420	37	56	654	128
6	230	80	60	121	373	227	66	1,100	46	47	804	98
7	189	78	57	120	546	188	63	573	128	37	776	81
8	150	66	56	156	695	163	58	363	95	32	690	68
9	123	59	54	326	1,089	148	74	264	61	29	479	109
10	108	77	52	522	883	140	70	206	51	29	301	4,040
11	98	116	45	529	497	128	59	164	44	40	273	10,400
12	91	122	43	790	340	116	58	130	40	61	247	7,600
13	79	109	72	2,240	271	107	57	111	37	71	203	8,410
14	68	89	116	1,730	229	100	55	112	35	69	290	9,240
15	64	78	98	883	208	95	76	103	32	63	358	2,260
16	69	70	88	451	203	94	75	90	32	51	263	1,170
17	69	63	76	500	203	94	82	30	52	52	203	685
18	64	60	73	1,160	220	126	74	30	120	198	459	459
19	60	60	65	1,400	360	81	50	69	27	120	293	355
20	58	56	58	922	395	89	45	66	29	86	688	296
21	52	52	55	572	310	96	41	59	32	77	872	266
22	50	58	58	406	251	98	41	59	32	77	719	251
23	52	49	56	319	214	81	37	54	26	70	610	231
24	55	48	66	278	186	76	34	52	26	59	351	213
25	67	52	74	249	171	74	35	49	28	61	238	202
26	49	52	69	250	188	85	35	51	26	85	242	191
27	42	48	65	243	262	202	39	51	27	380	219	191
28	39	49	66	341	1,860	169	323	48	30	458	384	175
29	38	74	66	442	3,700	148	768	44	81	323	1,200	163
30	37	99	66	426	-----	129	935	42	60	201	1,570	178
31	35	-----	130	348	-----	107	-----	42	-----	362	914	-----
TOTAL	6,398	1,948	2,120	16,734	14,684	6,945	3,605	25,310	1,278	3,352	16,218	44,682
MEAN	206	64.9	68.4	540	506	224	120	816	42.6	108	523	1,489
MAX	1,980	122	130	2,240	3,700	1,790	935	10,900	128	458	1,570	10,400
MIN	35	33	43	120	171	74	34	42	26	29	198	68
CFSM	1.19	.37	.39	3.10	2.91	1.29	.68	4.69	.24	.62	3.01	8.56
IN.	1.37	.42	.45	3.58	3.14	1.48	.77	5.41	.27	.72	3.47	9.55

CAL YR 1963 TOTAL 43,206 MEAN 328 MAX 10,880 MIN 15 CFSM 1.23 IN 37.78  
 CAL YR 1964 TOTAL 145,274 MEAN 391 MAX 10,900 MIN 25 CFSM 1.23 IN 37.78

Note Stage-discharge relation affected by tide Oct 3 to Nov 8

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	175	132	159	358	135	384	161	74	17	77	810	918
2	158	444	138	285	123	346	153	62	16	73	803	491
3	228	499	125	239	155	377	123	54	16	66	874	380
4	420	425	493	208	166	466	107	48	15	60	578	282
5	358	363	2,160	180	141	567	103	43	17	66	362	224
6	310	288	3,520	158	130	532	94	41	21	98	289	186
7	268	231	1,880	143	237	401	84	36	23	175	266	158
8	224	192	1,030	132	336	313	83	34	28	196	289	143
9	193	159	589	126	346	242	75	31	60	199	264	139
10	166	135	408	118	320	202	67	31	70	128	244	124
11	151	116	318	109	274	176	62	30	114	108	274	104
12	151	104	265	108	219	165	57	30	138	238	505	90
13	138	95	231	103	243	167	54	47	114	514	442	80
14	168	91	221	95	555	192	53	44	118	765	289	73
15	366	87	233	96	2,120	197	48	34	162	608	456	69
16	431	98	215	97	2,140	192	46	29	232	572	2,950	62
17	430	104	191	93	1,160	172	46	29	356	663	3,050	238
18	369	91	176	88	659	157	42	29	869	626	1,280	284
19	282	85	167	84	566	260	38	28	1,250	518	620	206
20	214	98	153	82	508	644	42	27	568	486	383	140
21	123	161	145	80	382	953	44	22	283	610	316	103
22	143	155	152	80	293	664	40	21	188	619	439	80
23	119	139	159	80	287	402	38	20	133	369	633	68
24	105	166	155	84	785	299	36	19	99	222	472	63
25	96	237	140	93	2,070	247	46	19	82	153	312	60
26	90	278	129	94	2,080	203	130	19	103	118	329	56
27	88	252	587	117	1,090	170	238	19	110	195	709	107
28	85	209	1,810	116	562	177	172	27	103	288	1,060	687
29	100	193	1,390	111	-----	172	114	25	79	608	1,220	1,430
30	182	182	844	100	-----	146	89	20	66	986	2,370	1,300
31	84	-----	494	120	-----	133	-----	19	-----	1,180	1,840	-----
TOTAL	6,327	5,809	18,677	3,976	18,082	9,718	2,485	1,011	5,450	11,584	24,728	8,345
MEAN	204	194	602	128	646	313	82.8	32.6	162	374	798	278
MAX	431	499	3,520	358	2,140	953	238	74	1,250	1,180	3,050	1,430
MIN	84	85	125	80	123	133	36	19	15	60	244	56
CFSM	1.17	1.11	3.46	.74	3.71	1.80	.48	.19	1.04	2.15	4.58	1.60
IN.	1.35	1.24	3.99	.85	3.86	2.08	.53	.22	1.16	2.48	5.29	1.78

CAL YR 1964 TOTAL 163,621 MEAN 447 MAX 10,900 MIN 26 CFSM 2.57 IN 34.97  
 CAL YR 1965 TOTAL 116,192 MEAN 318 MAX 3,520 MIN 15 CFSM 1.83 IN 24.83

Note Stage-discharge relation affected by tide Oct 5 to Dec 3

2-2461 Julington Creek near Greenland, Fla

Location --Lat 30°11'19", long 81°33'45", in land grant 50, T 4 S, R 27 E, at downstream end of culvert on U S Highway 1, 1.5 miles northwest of Greenland, Duval County, 1.8 miles upstream from Sweetwater Creek, and 11.5 miles southeast of Union Station in Jacksonville

Drainage area --8.9 sq mi, approximately

Records available --January to September 1965

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

Extremes --Maximum discharge during period January to September, 101 cfs Feb 25 (gage height, 12.68 ft), no flow May 27, June 2-4, 7, minimum gage height, 9.58 ft May 27

Remarks --Records good Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				10	6.5	17	8.8	.50	.10	6.3	.80	2.2
2				10	6.5	16	8.2	.40	0	5.5	3.1	1.3
3				9.0	6.8	16	7.1	.30	0	5.7	2.0	.80
4				8.0	6.0	22	6.4	.20	0	4.4	1.1	.60
5				7.0	5.5	20	5.9	.20	.10	3.0	.80	.60
6				6.0	5.2	16	5.3	.20	.10	4.1	4.2	.40
7				6.0	16	14	4.3	.20	0	14	7.8	.40
8				5.0	20	12	3.5	.20	.20	10	10	.30
9				5.0	16	11	2.9	.20	.30	10	9.5	.40
10				5.0	13	9.6	2.4	.20	.40	7.7	12	.40
11				4.0	11	9.0	2.0	.20	2.9	6.2	8.0	.40
12				4.0	9.7	8.2	1.7	.20	6.5	4.7	5.1	.20
13				4.0	18	8.2	1.2	.40	4.2	3.7	3.3	.10
14				3.0	49	8.8	.80	.30	2.4	3.3	2.2	7.8
15				3.0	74	8.4	.80	.20	2.0	4.5	1.6	17
16				3.0	46	7.5	.60	.20	6.6	3.9	1.8	12
17				3.0	28	7.1	.50	.20	22	3.2	1.0	11
18				2.0	24	6.5	.40	.20	43	2.2	.60	15
19				2.0	29	14	.40	.20	23	1.4	.40	12
20				2.0	22	19	.40	.10	15	1.1	.20	11
21				2.0	17	20	.40	.10	10	1.2	.20	9.5
22				1.9	15	16	.40	.10	7.3	.90	.20	7.7
23				1.8	16	14	.40	.10	5.3	.60	.20	6.4
24				4.4	57	12	.40	.10	3.8	.40	2.3	5.3
25				7.4	94	11	.30	.10	5.9	.20	9.0	4.3
26				6.4	62	9.3	.80	.10	10	.30	5.7	3.6
27				7.9	35	8.2	2.3	0	6.2	.70	3.4	10
28				7.0	22	7.4	1.5	.20	6.4	.40	2.0	28
29				5.9	-----	6.9	.90	.30	4.5	.30	2.7	40
30				5.6	-----	6.3	.60	.20	3.4	.60	2.9	37
31				7.1	-----	6.5	-----	.10	-----	.60	3.4	-----
TOTAL				158.4	730.2	367.9	71.60	6.20	193.60	111.10	107.50	245.70
MEAN				5.11	26.1	11.9	2.39	.20	6.45	3.58	3.47	8.19
MAX				10	94	22	8.8	.50	43	14	12	40
MIN				1.8	5.2	6.3	.30	0	0	.20	.20	.10
CFSM				.57	2.93	1.33	.27	.02	.73	.40	.39	.92
IN.				.66	3.05	1.54	.30	.03	.81	.46	.45	1.03

## 2-246a Ortega River near Jacksonville Fla

Location --Lat 30°14'50", long 81°47'49" on line between secs 10 and 15, T 3 S, R 25 E, near center of span on downstream side of bridge on 103rd Street, 1 1/2 miles west of Jacksonville Heights and 5 miles southwest of city limits of Jacksonville, Duval County

Drainage area --27 8 sq mi

Records available --Occasional low-flow measurements, 1956-60 (published as Ortega Creek near Jacksonville) January to September 1965 Miscellaneous discharge measurements for some periods prior to April 1956

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Jan 21, 1965, reference point at same site

Extremes --1965 Maximum discharge during period January to September, 652 cfs Sept 28 (gage height, 36 68 ft), minimum, 0 20 cfs June 5 (gage height, 28 83 ft)  
Flood of May 1964 reached a stage of 38 28 ft, from floodmarks (discharge, 1,670 cfs)

Remarks --Records good except those below 3 cfs, which are fair Records of chemical analyses and water temperatures for the water year 1965 are published in reports of the Geological Survey

A discharge of 1,060 cfs (gage height, 27 8 ft) was measured Sept 12, 1964

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				100	18	71	26	2.3	.40	12	70	130
2				70	27	65	22	2.0	.30	9.3	73	87
3				50	42	70	17	1.9	.30	7.7	55	83
4				40	36	89	14	1.6	.30	6.7	39	65
5				34	28	89	13	1.5	.30	4.6	27	49
6				30	24	77	12	1.4	.30	4.4	19	35
7				20	47	63	10	1.3	.30	7.0	22	26
8				20	65	51	8.5	1.1	.60	7.8	52	21
9				20	60	40	7.3	1.1	5.4	8.1	49	18
10				10	50	31	6.3	1.0	4.1	7.0	33	15
11				10	39	26	5.9	1.0	4.9	5.1	30	12
12				10	30	23	5.4	1.2	6.0	54	31	8.9
13				10	34	21	4.9	3.0	5.2	344	26	6.4
14				10	174	23	3.9	2.0	5.4	266	20	5.3
15				10	388	22	3.5	1.4	6.9	212	135	4.4
16				10	314	20	3.2	1.0	7.4	136	158	4.3
17				10	193	17	2.9	.90	18	98	85	28
18				9.0	128	15	2.7	.80	30	77	56	24
19				9.0	118	68	2.5	.70	29	70	39	38
20				9.0	98	170	2.3	.70	26	60	28	42
21				8.2	80	165	2.4	.60	23	47	37	32
22				7.8	66	105	2.4	.60	16	32	77	23
23				7.8	73	77	2.3	.50	12	22	85	16
24				8.5	248	60	2.0	.40	8.1	15	140	13
25				9.6	340	46	2.0	.40	11	9.6	98	10
26				9.6	212	34	3.8	.40	33	7.0	90	7.7
27				9.9	128	26	8.2	.40	36	8.1	110	135
28				8.9	88	22	6.7	.40	30	11	92	584
29				8.2	-----	19	4.3	.50	23	11	185	548
30				10	-----	16	3.0	.50	15	77	456	412
31				22	-----	20	-----	.40	-----	70	262	-----
TOTAL				601.5	3,148	1,641	210.4	33.00	358.20	1,706.4	2,679	2,483.0
MEAN				19.4	112	52.9	7.01	1.06	11.9	55.0	86.4	82.8
MAX				100	388	170	26	3.0	36	344	456	584
MIN				7.8	18	15	2.0	.40	.30	4.4	19	4.3
CFSM				.70	4.04	1.90	.25	.04	.43	1.98	3.11	2.98
IN.				.80	4.21	2.20	.28	.04	.48	2.28	3.58	3.32

## 2-2465 St Johns River at Jacksonville, Fla

Location --Lat 30°19'13", long 81°39'13", in NW¼ sec 24, T 2 S, R 26 E, near right bank on downstream side of Main Street Bridge at Jacksonville, Duval County, 2.4 miles upstream from Arlington River and 25 miles upstream from mouth

Drainage area --8,500 sq mi (revised), approximately. Includes Paynes Prairie, a diked sinkhole area of about 675 sq mi, which is noncontributing except by pumpage

Records available --February 1954 to September 1965

Gage --Water-stage recorder. Datum of gage is 9.99 ft (revised) below mean sea level, datum of 1929. Upper auxiliary water-stage recorder 7.9 miles upstream from base gage. Lower auxiliary water-stage recorder 5.1 miles downstream from base gage.

Average discharge --11 years, 5,999 cfs

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the water years 1961-65 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1961	Dec 21, 1960	3,390	Jan 9, 1961	540	July 26, 1961	2,910	Dec 12, 1960	610
1962	Mar 6, 1962	3,460	Jan 29, 1962	810	Sept 16, 1961	3,270	Oct 30, 1961	950
1963	Nov 9, 10, 1962	3,340	Sept 23, 1963	840	July 27, 1962	3,350	Feb 4, 1963	150
1964	Sept 10, 1964	5,280	Sept 9, 1964	0	May 23, 24, 1963			
1965	Feb 25, 1965	3,430	July 21, 1965	890	Sept 9, 1964	4,410	Sept 11, 1964	0
					July 28, 1965	3,320	Feb 25, 1965	50

Maximum and minimum gage heights, in feet, for the water years 1961-65 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage height	Date	Gage height
1961	Oct 3, 1960	13.09	Feb 26, 1961	8.38
1962	Sept 25, 1962	12.45	Jan 9, 1962	8.32
1963	Sept 27, 1963	13.54	Jan 24, 1963	8.53
1964	Sept 10, 1964	15.20	Dec 1, 1963	8.43
1965	Oct 9, 1964	12.78	Jan 31, 1965	8.32

1954-65 Maximum volume of flow downstream, 5,280 mcf Sept 10, 1964, minimum downstream, 0 mcf Sept 9, 1964, maximum upstream volume, 4,410 mcf Sept 9, 1964, minimum upstream, 0 mcf Sept 11, 1964. Maximum gage height, 15.20 ft Sept 10, 1964, minimum, 8.10 ft Dec 30, 1956

Remarks --Records poor. Flow affected by tide. Volumes are those occurring during each ebb and flood tide and are computed using net fall between auxiliary gages. Variations in ocean level increase or decrease the flow by causing variable changes in basin storage. Volumes shown should not be used to compute daily or monthly mean discharges. At the time of a volume measurement, one or more discharge measurements and/or a continual measurement of the velocity at one point in the stream are made, a point velocity-discharge relation is used to determine the continuous record of changing discharge. Using small increments of time, partial volumes are determined from the continuous record of changing discharge, the total volume for the flood or ebb tide is determined by a summation of the partial volumes. Records of chemical analyses for the water year 1962 are published in reports of the Geological Survey.

2-2465 St Johns River at Jacksonville, Fla --Continued  
Volume of flow, in millions of cubic feet, water year October 1960 to September 1961

Volume of Flow, in Millions of Cubic Feet, Water Year October 1900 to September 1902																										
	October		November		December		January		February		March		April		May		June		July		August		September			
Day	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Day	
1	1,880 2,570 500	990 1,430	2,030 2,290 230	1,770 1,700	2,010 1,910	2,270 1,970	2,210 2,680	1,720 1,330	2,320 2,320	1,920 1,390	2,030 2,000	2,210 2,070	1,910 2,290	200 1,520 1,990	2,210 1,750 2,030	240 1,750 1,820	810 1,550 1,220	2,740 2,530	980 1,820 960	1,570 2,160 2,360	2,210 2,160 2,030	1,570 2,160 2,030	2,210 2,160 2,030	1,570 2,160 2,030	1	
2	2,000 2,320	1,400 1,630	2,090 2,500	1,840 1,330	2,260 1,970	2,140 790	1,940 1,970	2,320 1,400	160 2,090 1,760	2,030 1,700 1,370	2,270 1,860	2,270 1,860	2,390 2,570	220 1,840 1,770	2,230 1,950	450 1,600 2,600	1,220 1,570 680	2,890 2,890 2,600	1,430 1,770 670	2,420 2,020 2,030	1,660 2,020 2,030	2,180 2,050 1,800	1,520 2,040 1,800	2		
3	2,570 2,810	1,380 1,400	2,620 2,650	1,500 1,280	2,320 2,440	90 1,520 730	2,000 2,390	2,070 1,050	1,520 2,030	2,040 740	1,790 1,460	1,890 1,460	2,570 2,050	1,500 1,480	2,150 2,080	830 1,320	2,810 2,390	1,590 1,520 470	1,570 1,920 190	1,600 2,050 1,770	200 2,050 1,220	1,380 2,000 1,220	200 2,050 1,220	1,380 2,000 1,220	3	
4	2,740 2,810	1,380 1,480	2,320 2,440	1,680 1,200	2,260 2,360	180 1,630 790	1,790 2,420	1,970 2,320	490 1,430 550	360 2,030 1,970	360 1,820 1,360	360 1,820 1,360	2,620 2,030	1,700 1,040	2,050 1,940	1,750 720	2,810 2,210	1,820 2,210	2,710 2,440	2,040 2,040	2,260 1,510	1,920 810	1,430 800	2,070 2,070	4	
5	2,530 2,600	1,430 1,100	2,440 2,680	130 1,600 790	2,210 2,320	340 1,840 770	2,260 2,390	1,970 720	2,030 2,210	1,450 410	2,030 1,150	1,720 2,150	2,030 2,150	1,570 620	2,210 1,910	1,690 1,680 460	2,390 2,030	1,990 2,000	1,920 2,190	640 2,150 1,090	1,200 1,760 360	1,700 2,440 360	1,700 2,440 360	5		
6	2,570 2,860	1,480 1,050	2,500 2,260	200 1,450 680	1,940 2,150	1,970 510	1,820 2,080	2,000 460	1,970 2,180	1,480 310	2,080 1,940	1,770 730	2,500 1,880	1,500 500	2,320 2,050	1,500 1,500	2,500 1,770	2,070 2,070	210 2,530 1,580	1,720 2,070	1,430 2,080 830	1,430 1,790 200	1,770 2,290 200	6		
7	2,680 2,710	1,330 590	1,880 1,970	450 1,720 470	1,880 1,790	770 1,720 550	1,610 1,910	2,020 340	1,550 1,940	1,400 150	2,120 1,940	1,090 580	1,840 1,940	2,010 1,600	2,360 1,840	1,950 1,650	440 2,390 1,110	1,820 2,070	590 2,500 860	1,520 2,320	1,250 2,000 580	1,500 2,390	1,770 1,880	1,550 2,040	7	
8	2,530 2,530	1,230 400	1,840 2,000	1,630 320	1,760 1,880	830 300	1,550 1,840	1,720 180	2,290 2,620	1,010 1,550	1,910 1,550	1,570 370	2,120 1,790	1,430 1,530	2,360 1,530	1,970 1,770	1,100 2,390	1,680 2,160	1,290 2,230 650	1,480 2,410	1,530 1,880 180	1,650 2,530 180	2,080 2,030	1,450 1,840	8	
9	2,320 2,390	1,110 180	1,610 1,840	1,480 100	950 1,190	1,220 120	1,590 1,600	2,270 1,780	1,180 990	1,470 2,030	2,120 1,940	1,720 1,790	1,470 1,940	2,120 1,570	2,020 1,430	1,380 1,530	2,120 2,390	380 2,160	2,120 2,560	1,450 2,560	1,770 2,560	1,530 2,050 390	1,680 2,560	1,700 1,410	2,050 1,920	9
10	2,030 2,210	1,230 170	1,790 2,080	1,430 1,460	1,460 1,460	1,530 1,580	1,630 1,180	1,840 1,250	1,500 1,250	1,190 1,720	1,770 1,770	2,040 2,650	480 1,500	1,720 1,500	830 2,150	2,210 2,610	1,600 2,260	2,390 2,560	1,550 1,880	1,550 2,460	1,970 1,910	1,600 2,240	2,120 1,730	1,700 1,730	10	
11	1,760 1,790	1,380 670	1,310 1,280	1,770 1,950	1,730 1,950	1,280 1,250	1,730 1,640	1,570 1,200	830 730	2,270 1,630	1,90 1,340	2,270 1,680	1,200 2,290	1,210 2,260	1,400 2,360	2,070 2,340	1,910 2,120	1,680 2,120	1,910 2,160	2,000 2,030	1,480 1,930	1,90 2,030	1,840 1,470	1,840 1,470	11	
12	1,610 1,560	1,380 1,380	1,260 1,460	1,500 1,500	1,820 1,60	610 1,110	410 2,030 1,460	1,720 1,280	2,360 2,440 560	1,710 1,700	2,360 1,700	2,460 2,050 790	2,550 1,820	2,210 1,950	2,150 2,440	1,820 1,440	2,290 2,080	1,520 2,340	2,230 2,050	1,330 1,950	2,030 2,030	1,650 1,560	2,080 2,080	1,720 1,190	12	
13	170 1,610 1,170	930 1,330	360 1,730 1,460	1,200 1,200	340 1,490 1,190	1,870 1,570	620 1,970	2,120 1,820	2,250 2,570	2,440 2,020	1,180 2,080 390	2,480 1,920	2,530 2,740	1,680 2,070	2,390 2,390	1,720 2,510	2,390 2,180	1,430 1,990	2,440 2,150	1,250 1,840	2,080 2,030	1,570 1,340	2,030 2,120	510 1,800 1,020	13	
14	500 1,670 1,030	990 1,360	620 1,910 1,160	1,130 1,280	1,200 2,030 730	1,820 2,680 270	1,550 2,680 270	2,360 2,680 270	2,680 2,680 270	2,510 1,970	1,550 2,500 260	2,480 1,890	2,570 2,570	2,410 2,660	2,210 2,260	1,840 2,330	2,290 2,390	220 1,540	2,230 2,120	1,330 1,550	1,910 1,550	1,950 1,340	2,360 2,230	680 1,600 530	14	
15	1,020 1,820 790	1,080 1,280	1,160 2,210 750	1,310 1,450	1,690 2,080 280	2,040 2,020	2,470 3,100 300	3,040 1,330	2,890 1,860	2,410 2,420	2,410 2,270	2,530 1,730	2,020 2,550	2,210 2,550	2,150 1,980	2,60 1,800 2,150	2,440 1,230 2,030	260 1,800 2,030	380 1,230 1,840	660 2,290 1,240	1,580 2,000	2,390 2,150	800 1,550	800 1,550	15	

16	1,180 1,790 410	1,230 1,550	1,750 2,440 250	1,750 1,480	2,530 2,680 270	2,140 1,380	2,680 3,100	2,360 1,630	3,070 2,980	210 2,390 1,730	2,680 2,500	2,210 2,120	1,910 2,810	280 1,330 1,460	500 1,500 1,530	2,290 1,130	810 1,520 1,300	830 1,700 1,030	1,760 1,640	1,170 1,840 470	1,310 1,840 840	1,300 2,910 170	16	
17	1,620 2,120 240	1,500 1,500	2,280 2,620 260	1,840 1,570	2,470 2,860	2,460 2,770	2,980 1,860	2,640 1,860	2,810 2,740	430 1,550	2,390 2,000	2,640 2,020	2,980 2,830	630 1,430 1,150	660 1,520 1,700	1,260 1,260 1,210	1,290 1,770 760	1,040 1,720 600	1,880 1,700	1,100 1,680 140	1,310 1,310 1,280	1,530 1,920	17	
18	2,200 2,470	1,480 1,600	2,310 2,500	2,320 1,700	2,980 2,860	2,410 1,510	2,950 2,680	210 2,710 1,510	2,680 2,420	660 1,890 730	2,080 2,290	2,090 1,340	2,830 2,440	770 1,430 670	1,200 1,600 860	1,210 1,670 1,430	1,130 1,480 580	1,400 1,750 320	1,670 1,430	1,310 1,820	1,460 1,260	1,330 1,450	18	
19	2,530 2,440	1,430 1,360	2,620 2,570	2,320 1,550	2,980 2,980	170 2,590 1,400	2,710 2,680	650 2,460 1,120	1,090 2,680 350	580 2,570 930	1,520 1,520 930	1,840 1,670	1,570 1,970 1,610	1,280 1,400 570	1,280 1,400 1,550	1,730 1,330 1,550	1,340 1,330 150	1,280 1,750 160	1,520 1,490	1,330 1,920	320 1,670 1,090	1,060 1,720	19	
20	2,810 2,890	1,500 1,370	2,680 2,950	170 2,090 1,100	2,980 2,920	350 2,480 1,060	3,250 2,710	1,970 590	2,320 2,180	1,400 1,600 190	940 1,570 590	1,700 1,430	1,690 1,480 400	1,840 1,840 1,340	1,320 1,630 420	1,730 2,030 1,640	1,370 1,250	1,440 1,970	1,130 1,970	730 2,030 880	1,230 1,800	20		
21	2,500 2,210	150 1,970 1,540	2,810 2,860	280 2,270 890	2,980 3,390	710 2,160 460	1,380 1,970 350	1,700 1,630	2,080 1,840 400	1,380 1,680 1,790	1,620 1,130	1,460 1,460	1,670 1,320 160	1,130 1,460	1,520 1,970 1,290	1,730 1,520	1,520 2,360 1,640	1,520 1,920	440 2,290 1,620	1,080 1,820	1,330 2,180 510	1,330 2,020	21	
22	2,150 2,320	380 2,190 930	2,680 2,120 2,770	590 2,120 440	2,320 2,340 340	1,060 2,340 340	2,320 2,290	1,420 1,750	1,840 1,600	2,020 1,600	1,600 1,480 180	1,970 1,640	1,720 1,280	1,840 1,840 1,340	1,520 1,520	1,470 1,470	1,230 1,680	410 2,260 1,270	1,500 2,390 1,100	700 2,120	1,280 2,060 2,600	1,570 2,270	22	
23	2,710 2,680	400 1,720 740	2,470 2,120 2,650	1,040 2,120 300	2,680 2,740	1,380 2,020 180	2,290 2,150	2,090 1,630	1,430 1,240	1,820 1,130	1,640 1,250	2,030 1,380	1,430 1,180	1,840 1,550	1,500 1,970	370 2,050 690	1,520 1,920	850 2,290 850	1,630 2,590	1,640 2,680 540	1,520 2,560	2,570 2,440	2,000 2,190	23
24	2,680 2,810	490 1,520 340	2,260 2,090 2,260	1,220 2,090 170	2,230 2,530	1,590 1,870	240 2,000 1,770	1,720 1,480	310 1,730 1,160	1,870 1,480	1,720 1,180	350 1,840 950	1,430 1,460	1,640 1,240	1,870 1,700	1,040 2,000 640	1,550 2,560	1,270 2,390 730	1,720 2,710	2,140 2,620	1,800 2,760	2,650 2,830	2,000 2,090	24
25	2,210 2,180	790 2,040 140	1,820 2,070	1,550 1,970 1,830	1,820 1,820	200 750 1,090	2,410 1,720	780 1,730 530	1,770 1,400 1,130	150 1,630 630	1,630 1,130	630 1,840 520	1,570 1,820	310 1,840 1,060	1,520 1,720	1,480 2,290 480	1,650 2,610	1,710 2,500 260	1,680 2,800	2,740 2,860	2,070 2,560	2,710 2,680	1,970 1,820	25
26	2,260 2,570	1,240 1,820	2,030 2,060	1,680 1,770	460 2,350	2,020 1,650	460 1,700 620	1,750 1,180	1,230 1,580 320	1,310 1,480	480 1,640 800	1,650 2,030 370	1,210 2,030	1,820 2,070	1,060 1,380	1,910 2,320	1,770 2,760	2,310 2,570	1,720 2,830	2,860 2,190	2,070 2,600 2,530	200 2,070 1,240	26	
27	2,120 1,910	1,200 1,770	510 2,360 1,460	1,650 1,430	700 2,080 1,090	1,970 1,630	1,430 1,910 410	1,770 1,180	1,260 1,430 200	2,160 1,920	810 1,760 560	1,570 1,450	1,470 2,030 150	1,920 2,460	1,380 1,700	1,840 2,530	2,530 2,850	2,810 2,680	1,870 2,850	2,740 3,070	1,840 1,700	2,500 2,570	530 830	27
28	480 2,210 1,420	1,330 1,840	980 2,360 980	1,770 1,600	1,090 1,370 590	2,410 1,600	1,620 1,970 190	1,970 1,430	1,770 2,080	2,190 1,720	1,320 2,000 370	1,570 1,630	1,370 1,430	2,360 2,320	1,940 2,290	1,480 2,270	2,600 2,470	1,800 2,550	2,830 2,710	1,970 2,280	420 1,750 2,920	820 2,040 520	28	
29	610 2,080 1,000	1,600 1,680	1,460 2,260 450	1,920 1,550	1,380 1,940 480	2,070 1,250	1,720 2,050	2,120 1,430	- -	- -	1,470 1,950 200	1,720 1,950	2,260 1,940	1,700 2,410	2,260 2,500	1,520 2,460	2,570 2,440	2,860 1,980	2,860 2,770	3,010 2,890	1,680 500	1,940 1,670	1,200 1,500	29
30	1,500 2,210 700	1,520 1,680	1,810 2,390 220	1,920 1,800	1,910 2,320 220	1,840 1,230	2,120 2,030	2,020 1,500	- -	- -	1,770 2,000	2,070 2,120	2,320 2,210	1,550 2,150	2,680 2,650	1,450 2,390	2,600 2,530	1,870 1,480	2,980 2,650	2,020 2,130	1,750 1,460	1,350 1,820	30	
31	1,620 2,080 230	1,820 1,630	- -	- -	1,960 2,050	2,120 1,480	2,260 2,440	1,820 1,430	- -	- -	2,050 1,520	2,040 1,820	- -	- -	270 1,800 1,900	- -	- -	2,770 2,420	2,040 2,700	2,530 2,120	1,410 2,070	- -	- -	31

Note --Where 2 successive downstream or upstream volumes are shown on adjacent days the portions of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide

2-2465 St Johns River at Jacksonville, Fla --Continued  
Volume of flow, in millions of cubic feet, water year October 1961 to September 1962

Day	October		November		December		January		February		March		April		May		June		July		August		September		Day
	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	
1	1,880 1,790	1,240 1,550	210 1,490 1,130	1,060 1,800	1,430 1,430	1,290 1,240	330 1,940 1,150	2,060 1,050	630 1,790 1,850	2,580 1,850	170 1,840 880	2,090 2,140	1,120 2,920 740	2,430 1,760	1,670 2,530 2,390	2,190 2,550	2,320 2,630	1,860 2,290	2,210 2,550	1,550 2,550	2,320 2,260	240 1,880 1,940	1,910 1,880	600 1,800 1,160	1
2	1,940 1,500	1,030 1,570	480 1,280 790	1,680 2,040	360 1,700 1,180	1,340 1,240	760 1,790 880	2,260 1,420	1,480 2,050 480	2,320 1,700	100 1,020 520	3,220 1,440	1,730 2,680 2,370	2,580 2,370	2,150 2,500	2,140 2,810	2,210 2,320	1,910 2,730	2,210 2,080	1,730 2,500	2,150 2,150	490 1,760 1,620	2,150 2,000	770 1,680 850	2
3	380 1,760 1,090	1,260 1,760	790 1,550 730	1,960 2,040	790 1,790 1,020	1,520 1,420	1,330 1,880 710	2,450 1,570	1,940 2,320	2,580 1,930	790 1,930 320	1,930 1,590	2,530 2,620	2,550 2,630	2,500 2,080	2,190 3,070	2,530 2,360	1,680 2,170	2,030 1,910	1,700 1,810	2,080 1,910	1,860 1,090	2,030 1,730	1,780 670	3
4	730 1,490 690	1,030 1,880	1,090 1,730 580	1,910 1,960	1,030 1,910 830	2,010 1,680	1,650 2,150 210	2,600 1,800	2,890 2,320	2,890 2,090	1,290 1,610	2,600 1,980	2,570 2,530	2,650 2,500	2,230 2,030	2,320 2,500	2,440 2,180	1,650 1,840	2,150 2,150	1,440 1,300	2,030 1,430	1,100 890	1,970 1,730	1,010 1,880 480	4
5	1,040 1,370 310	1,550 1,860	1,360 1,520 170	2,260 1,590	1,250 2,230 690	2,370 1,650	1,910 2,210	2,960 1,860	2,390 2,470	2,830 1,970	1,840 2,470	2,220 1,590	2,810 2,680	2,040 2,280	280 2,290 2,260	1,930 2,290	1,730 2,000	2,160 2,160	2,000 1,370	1,940 1,760	2,010 590	1,940 1,520	1,110 2,140 140	5	
6	1,240 1,790 210	1,420 1,520	1,500 2,030	1,880 1,440	1,600 2,360	2,260 1,590	2,390 2,120	2,550 1,190	220 2,440 2,770	3,460 3,390	1,550 1,470	2,500 2,500	2,110 1,750	2,320 2,210	1,930 1,530	2,050 1,610	1,550 950	1,670 1,580	1,760 590	1,940 1,310	2,010 1,310	1,760 1,550	1,300 2,320	6	
7	1,870 2,030	1,440 1,680	1,840 2,000	1,960 1,730	2,230 2,360	2,530 1,830	2,650 2,830	2,710 1,560	2,360 2,390	2,290 2,220	2,290 2,220	2,570 2,530	1,780 1,520	2,360 2,210	1,020 1,130	1,590 1,260	1,840 1,610	1,680 1,580	1,880 380	1,940 1,370	1,830 1,550	1,190 1,220	1,960 2,370	7	
8	2,150 2,150	1,570 1,680	1,940 2,080	2,010 1,680	2,230 2,440	2,470 1,800	170 2,360 2,830	1,150 2,580 1,370	2,340 2,230	560 840	1,910 2,050	2,730 1,630	2,600 2,390	1,010 1,730 900	1,130 1,520 860	1,770 1,860 450	1,530 1,680 180	1,880 1,610	1,940 1,490	2,060 1,340	1,520 1,340	1,550 2,140	8		
9	2,180 1,970	1,910 1,650	1,730 1,910	2,320 1,340	2,360 2,470	2,630 1,600	590 2,320 2,470	2,650 1,070	2,180 2,180 380	1,270 2,040 1,730	1,080 1,790 1,730	2,650 2,210	1,360 1,440 420	1,500 2,390 1,700	1,300 1,550 240	1,810 1,550 1,130	1,700 1,840 1,490	1,580 1,700	1,550 1,550	2,470 1,550	1,880 980	330 2,060	1,290	9	
10	2,120 1,970	1,930 1,430	150 2,120	180 2,390 970	2,290 2,290 1,110	2,230 2,600 2,030	1,910 1,930 1,760	1,790 1,930	1,730	1,200 1,200 700	2,110 2,110 700	2,150 1,820	1,570 230	1,690 980	2,190 2,060 220	1,840 1,700 1,180	1,660 1,700	1,550 1,930	320 1,400 690	1,650 2,580	990 2,180 710	1,370 2,190	10		
11	1,760 1,840	1,210 2,210	1,970 2,210	2,220 720	2,390 2,500	2,470 2,700	1,840 2,140 2,150	1,340 1,420 1,910	1,550 1,430	1,620 1,620	1,910 1,550 360	1,440 1,940	2,140 1,910	2,060 1,620	1,940 1,490	130 1,730 920	1,550 1,700	300 1,670 860	1,550 2,110	600 1,640 770	1,680 2,500	1,650 2,620 250	1,590 2,430	11	
12	1,760 2,000	1,780 790	2,180 2,260	1,960 430	2,080 2,210	1,080 380	1,340 2,210 2,390	1,910 1,420 1,690	1,670 1,880	1,440 1,880	1,730 1,410	2,140 1,910	1,640 1,070	1,550 1,730	390 1,840 820	1,470 1,980 670	1,620 2,160	780 1,790 550	1,620 2,400	2,280 2,620	1,800 2,680	12			
13	1,970 2,030	1,700 730	2,050 2,180	2,110 150	1,970 2,320	2,340	2,080 2,210	1,440 1,080	1,550 1,650	2,180 1,840	1,130 1,130	1,880 1,440	1,730 910	1,980 1,440	270 1,730 910	1,780 1,550	820 1,670 740	1,470 2,140	1,000 1,880 390	1,550 2,370	1,270 1,970 200	1,550 2,450	2,470 2,650	2,160 2,710	13
14	2,050 2,290	1,650 430	2,080 2,360	2,090	1,820 2,210	2,500	1,840 1,580	1,370	1,880 740	1,390	1,790 1,220	1,550	1,820 700	2,010	1,910 620	1,600 1,800	1,640 2,780	2,080 220	2,550	1,850 2,290	1,620 2,630	2,620 2,740	2,260 2,280	14	
15	1,790 2,150	1,010 1,680	1,910 2,260	1,590 2,140	1,730 1,870	2,220 2,160	680 1,160	1,910 1,240	1,200 1,580	2,060 1,800	300 1,220 930	2,550 1,730	1,060 2,210 250	1,760 1,730	930 1,940 350	1,760 1,880	1,530 1,820	1,800 2,780	1,990 2,180	1,490 2,760	2,360 2,470	1,860 2,680	250 2,160 1,780	15	

16	2,030 2,180	1,030 1,550	1,970 1,860	1,880 1,700	210 1,490 1,380	2,240 1,780	1,160 2,000 860	2,140 1,570	1,170 1,760 360	2,430 1,590	620 1,790 820	2,040 1,390	1,010 1,370 200	2,010 1,910	1,380 1,640	1,930 2,240	1,730 1,730	1,910 2,810	2,500 2,210	1,550 2,990	2,530 2,600	2,010 2,410	2,680 2,620	2,220 1,240	440	16	
17	1,880 1,880	1,310 1,930	460 1,480	1,910 2,140	590 2,150 1,210	1,960 1,800	1,290 1,700 190	2,500 1,620	1,430 1,730	2,320 1,650	1,230 1,880 450	1,880 1,590	1,770 1,840	1,860 1,930	1,580 1,610	2,010 2,260	1,910 2,120	1,800 2,430	2,440 1,970	2,010 2,880	2,650 2,570	2,060 1,820	2,620 2,620	2,110 670	820	17	
18	1,970 1,640	1,440 1,980	990 2,000 860	2,340 2,400	1,210 2,440 720	2,040 1,570	1,720 1,880	2,320 1,470	1,880 1,790	2,190 1,880	1,720 2,050 220	1,930 1,730	1,790 1,880	1,780 2,090	1,670 1,670	1,730 2,400	2,290 2,210	1,590 2,460	2,230 2,440	2,240 2,130	2,620 2,620	1,060 1,420	2,060 2,060	2,890 2,650	1,310 2,160 360	18	
19	410 2,150 1,210	1,520 1,760	1,290 1,910 390	2,500 2,140	1,670 2,210 230	2,340 1,910	1,880 2,030	2,160 1,490	1,970 1,520	1,830 1,570	1,990 2,180	2,060 2,040	1,970 2,050	1,590 2,190	1,880 2,030	1,570 2,260	2,360 2,080	270 1,590 1,900	2,320 2,040 2,150	2,680 2,570	2,220 1,110	1,970 2,080	2,370	1,440	19		
20	1,210 2,740 860	1,390 1,550	1,550 2,180 230	2,470 1,650	2,090 2,320	2,530 1,910	2,120 2,150	2,110 1,340	2,210 2,210	1,680 1,530	2,210 2,000	2,040 2,060	2,260 2,030	1,650 2,370	2,030 1,940	1,550 2,090	2,470 2,150	1,700 1,580	2,420 2,390	1,090 1,950	2,620 2,390	2,220 2,390	2,420 1,020	1,570	2,220	20	
21	2,040 2,650 260	1,620 1,910	2,060 2,030	2,240 1,650	2,080 1,840	2,780 1,930	2,290 2,260	1,930 1,210	2,050 1,880	170 1,910 1,210	2,000 1,820	1,930 1,860	260 1,400 1,700	230 1,980 1,970	230 2,080 1,840	230 1,800 1,910	2,470 1,910	1,050 1,800 1,350	2,530 2,230	1,390 1,860 610	2,570 2,360	1,760 2,190	950 1,460	2,010 1,020	21		
22	2,310 2,320	2,500 2,370	2,180 1,970	2,450 1,570	1,840 1,840	2,580 1,680	2,320 2,360	130 1,800 1,110	520 1,860 2,030	1,660 1,640	2,240 2,260	1,930 1,860	260 1,400 1,700	230 1,980 1,970	230 2,080 1,840	230 1,800 1,910	2,470 1,910	1,050 1,800 1,350	2,530 2,230	1,390 1,860 610	2,570 2,360	1,760 2,190	950 1,460	2,010 1,020	21		
23	2,440 2,120	2,550 2,290	2,180 2,050	2,400 1,190	1,910 2,080	2,260 1,510	2,290 2,360	280 1,650 890	700 1,800 920	1,550 1,490	2,450 1,770	2,180 2,050	1,240 1,340	2,030 1,610	1,760 930	2,260 1,970	1,680 2,260	1,030 1,760 930	1,590 1,910	2,390 1,550	2,770 1,910	1,800 1,860 720	2,440 2,030	1,700 2,260	260 1,250	980	22
24	2,230 2,210	2,320 1,860	2,420 2,150	2,220 1,190	170 2,260 790	1,910 1,940 2,000	1,940 1,910 820	1,700 1,700 1,760	1,730 1,730	910 840	760 1,570 1,160	2,120 1,780 1,170	1,760 1,840	900 1,390	1,390 1,490 670	1,390 2,260	2,130 2,260	2,470 1,850	1,800 2,290	510 1,670 790	2,040 2,730	1,090 2,030 370	1,240 1,570	24			
25	2,210 2,260	2,190 1,260	1,700 1,730	2,710 950	510 2,150 580	520 2,010 580	1,790 2,050	1,860 460	1,460 980	2,260 730	1,880 1,640	1,550 1,030	1,670 1,490	1,760 740	2,260 1,970	1,800 240	2,230 1,820	2,090 200	2,440 1,180	2,730 720	790 1,550	1,470 2,080 200	1,090 1,700	25			
26	2,230 2,260	310 1,960 880	1,730 2,220	2,220 600	640 1,640 1,730	1,960 1,550	1,880 1,730	1,220 380	1,580 200	2,080 200	1,800 1,310	1,820 370	1,670	1,710 1,650 2,210 1,290	2,160 1,980	2,290 1,390	2,530 810	2,010 2,580	1,800 2,580	1,070 1,840 390	1,650 2,240	1,800 2,030	1,290 1,680	26			
27	2,050 2,050	590 2,160 570	1,670 1,800 2,000	890 240	1,610 1,670	1,030 1,910 130	1,400 1,550	1,520 200	1,310 1,910	1,780 1,390	1,600 1,520 370	2,000 1,440	2,150 1,360	2,400 2,320	930 2,210 690	1,910 2,730	1,220 2,000 460	2,010 3,270	1,550 2,030 200	1,490 2,220	2,230 2,180	1,310 1,550	27				
28	1,840 1,970	850 1,760 120	1,370 2,140 1,190	950 1,520 1,840	1,210 1,130	1,430 1,130	1,260 1,560	2,040 1,470	2,080 1,670	1,460 1,310	1,970 1,290	2,160 1,680	340 1,940 940	2,530 2,630	1,040 1,970 260	1,930 3,200	1,090 1,970 190	2,110 2,890	1,770 1,680	2,000 2,150	1,550 1,570	28					
29	1,820 2,080	1,070 1,550	960 1,510	1,510 1,960	1,420 1,210	810 1,730	2,450 1,490	- -	- -	1,840 1,670	2,220 1,550	320 2,030 1,290	1,960 1,860	940 2,050 610	2,400 2,470	1,050 1,910	1,930 2,780	1,720 2,080	2,050 2,050	1,680 2,000	2,030 2,050	1,700 1,440	29				
30	2,080 2,150	950 1,490	1,050 1,610	1,260 1,420	1,370 1,670	1,490 1,550	1,680 1,600	1,110	- -	- -	1,790 1,410	2,290 1,550	860 2,320 720	2,160 2,220	1,420 2,230 220	2,140 2,630	1,910 2,050	1,700 2,530	2,260 2,180	1,490 2,400	2,030 1,940	1,680 1,810	1,880 1,820	1,930 1,260	30		
31	1,730 1,870	1,060 1,550	- -	- -	1,910 1,070 1,310	690 1,700	1,520 1,650	- -	- -	350 1,880 1,110	2,320 1,880	- -	1,990 2,600	1,910 2,630	- -	- -	2,320 2,180	1,620 2,160	1,880 2,000	450 1,410	- -	- -	- -	- -	31		

Note --Where 2 successive downstream or upstream volumes are shown on adjacent days the portions of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide



## 2-2465 St Johns River at Jacksonville, Fla --Continued

Volume of flow, in millions of cubic feet, water year October 1962 to September 1963

Day	October		November		December		January		February		March		April		May		June		July		August		September		Day		
	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream			
1	1,880 1,790	540 990	1,400 1,700	2,340 560	1,160 1,790	590 340	1,880 2,050	1,360 2,110	1,700 1,910	2,220 2,010	2,390 2,470	1,680 1,530	2,030 1,530	1,910 1,260	1,970 1,180	1,800 1,780	340 530	2,140 1,780	640 630	1,590 2,470	1,200 2,080	1,260 2,450	1,850 1,910	1,650 2,550	1		
2	1,820 1,670	660 2,010	1,670 1,550	1,570 550	1,580 1,730	790 120	1,840 2,030	1,580 1,830	1,840 1,740	2,340 1,730	2,420 2,210	2,040 1,340	380 1,100	1,780 1,290	130 1,150	2,260 1,730	540 1,610	1,520 1,490	950 1,790	1,590 2,530	1,530 1,940	1,440 2,580	2,050 2,050	1,830 2,280	2		
3	1,840 840	760 1,910	1,460 1,430	820 210	1,430 1,790	1,070 1,650	1,670 1,620	1,830 1,590	440 1,460	2,090 1,760	2,340 2,120	740 1,390	1,880 2,030	490 1,590	1,910 1,760	1,910 640	1,040 2,030	1,290 1,830	1,360 1,760	1,420 2,430	1,640 2,080	1,680 2,730	250 2,150	1,830 1,790	3		
4	1,910 1,880	790 2,010	1,580 1,910	820 1,700	1,610 2,000	1,240 1,590	410 1,970	1,860 1,440	370 1,160	2,160 1,50	410 2,210	2,340 1,390	1,100 2,000	1,910 1,590	970 1,610	1,910 1,780	1,550 2,080	1,310 2,110	1,800 1,880	1,550 2,890	2,080 2,260	1,800 2,630	450 2,530	1,860 1,530	4		
5	1,730 1,730	1,010 1,930	2,030 1,660	1,090 1,370	1,730 1,660	1,550 1,700	900 1,940	2,220 1,590	1,180 1,790	1,060 820	830 2,290	2,040 1,570	1,600 1,910	2,500 2,160	1,210 1,910	1,680 1,980	1,740 1,970	1,490 2,290	1,640 2,660	1,830 2,320	2,420 2,630	1,590 2,630	660 2,710	1,930 1,510	5		
6	1,700 1,830	1,260 1,910	1,340 1,880	420 1,880	950 980	1,330 1,970	2,430 1,760	1,430 2,080	1,830 230	2,110 1,330	1,560 2,390	2,060 1,550	1,720 2,080	1,620 2,160	1,910 1,840	2,260 2,260	2,150 1,910	1,440 2,450	2,210 2,230	1,520 2,710	2,470 2,420	1,860 2,100	890 2,570	900 2,370	6		
7	200 1,790 1,660	1,160 2,110 1,500	420 2,210 1,500	1,520 1,780	850 2,290	1,960 1,650	1,270 1,880	2,470 1,680	2,090 2,600	1,700 1,240	1,530 1,970	2,250 2,080	2,210 1,640	2,220 1,800	1,970 1,840	1,680 2,290	2,230 1,840	1,590 2,480	2,560 1,970	1,440 2,220	530 2,230	1,980 1,710	2,430 2,180	420 1,360	7		
8	420 1,840 1,190	1,340 2,260	1,000 2,320	1,800 2,090	1,520 2,390	2,550 2,040	2,150 2,420	2,220 1,290	2,650 2,500	1,880 1,850	2,220 2,390	2,350 2,160	1,970 2,230	1,700 1,960	2,050 1,880	1,650 2,030	280 2,260	230 1,730	250 2,310	1,760 2,210	1,440 1,980	1,960 2,320	2,050 1,880	1,690 2,320	1,360 1,80	8	
9	1,200 2,030 860	1,550 2,450 860	1,450 2,740 670	2,190 1,390	1,920 2,860	2,680 1,550	2,530 2,440	2,290 1,420	210 2,550	2,280 2,390	2,270 2,120	2,260 2,360	1,520 1,720	230 1,720	580 1,490	230 2,080	1,800 2,080	2,470 1,760	1,660 2,260	490 1,660	1,210 2,220	1,600 2,160	1,910 1,880	2,160	9		
10	1,290 1,910 480	2,140 2,470	2,670 3,100	1,760 1,800	2,460 2,920	2,470 1,760	2,570 2,570	2,160 1,340	350 2,440	2,390 2,390	2,140 1,910	190 2,320	450 2,360	1,970 1,680	1,700 1,840	2,050 2,030	1,650 2,030	280 2,260	230 2,310	250 1,980	1,760 2,210	1,440 1,960	1,960 2,320	2,050 1,880	1,330 2,160	1,470 1,760	10
11	1,910 2,620 270	2,010 2,160	2,440 2,740	2,630 2,290	2,650 2,810	2,730 1,800	2,530 2,500	150 2,260	500 1,780	210 2,080	2,270 2,080	2,260 1,960	1,520 1,720	230 1,960	580 1,490	230 2,080	880 1,800	1,070 2,210	1,670 2,110	1,780 2,320	1,610 2,260	1,980 2,080	1,390 1,830	1,390 1,830	11		
12	2,440 2,710	2,110 2,260	2,770 2,740	2,960 2,260	2,470 2,440	2,730 1,740	2,320 2,290	510 2,370	420 2,420	2,040 1,910	1,610 1,820	1,550 1,330	1,940 1,050	1,980 1,100	2,210 1,840	1,860 1,910	2,080 210	1,550 1,910	1,640 1,910	2,260 2,030	1,780 2,260	420 1,910	1,290	1,290	12		
13	2,470 2,660	2,290 2,160	2,570 2,420	3,120 1,940	190 2,500	2,780 1,580	2,150 2,390	680 760	2,320 2,320	1,190 560	2,290 1,880	1,820 1,030	1,440 1,490	890 860	1,660 1,550	1,840 860	2,320 1,400	2,120 510	1,960 1,840	2,390 1,670	1,620 2,340	860 2,320	1,390 2,160	1,390 2,160	13		
14	2,810 2,630	2,340 1,850	2,000 2,420	220 970	2,680 2,290	2,240 1,080	2,150 2,030	760 570	2,180 2,320	1,130 220	1,940 1,760	1,030 760	1,490 1,490	1,280 570	1,300 1,390	2,290 1,790	2,020 2,060	2,230 1,990	1,860 1,240	720 2,440	1,340 1,340	1,530 2,550	1,550 2,550	14			
15	2,600 2,500	210 2,530 1,340	2,260 2,160 2,290	420 580	1,940 2,600 720	2,150 2,600 1,580	1,490 2,600 1,580	1,340 2,160 190	1,430 1,430	1,260 1,430	1,340 1,070	1,150 570	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	1,340 1,490	2,110 2,400	15		

16	2,260 2,320	570 2,340 820	2,180 2,290	860 1,860 460	1,970 2,080	1,080 2,110 500	1,190 1,400	1,670 1,780	890 1,070	1,740 1,830	1,730 1,790	1,340 1,290 350	1,700 1,460	1,620 1,340	2,320 1,790	1,810 1,700	190 2,210 1,420	2,010 2,630	970 2,530 960	1,700 2,260	1,340 2,050 200	2,010 2,930	1,670 1,910	1,760 1,960	16
17	2,000 1,880	830 2,260 490	2,050 2,150	1,060 2,010	1,760 1,910	1,180 1,180	1,280 1,610	1,590 2,010	1,340 1,370	1,650 1,130	1,970 1,820	1,320 980	1,840 1,450	1,700 1,260	2,030 1,580	2,160 2,060	610 2,390 870	1,960 2,400	1,430 2,570 760	1,590 2,680	1,770 2,180	1,960 2,240	1,730 1,940	1,650 1,780	17
18	1,190 1,260	1,130 2,060 130	1,820 1,880	1,520 1,780	1,520 1,880	1,620 2,060	1,640 1,430	1,550 1,290	150 1,730 1,270	1,760 1,030	1,880 1,370	1,680 1,260	160 2,050 1,230	1,780 1,550	390 2,440 1,310	1,930 2,220	1,310 2,050 450	2,260 3,140	1,770 2,680 280	1,590 2,710	2,390 2,500	1,590 2,290	1,790 2,000	1,520 1,460	18
19	1,220 1,550	1,130 1,680	1,190 1,260	1,650 2,190	1,430 1,430	1,860 1,850	360 1,610 1,040	1,440 1,370	550 2,440 790	1,800 570	2,040 1,550	530 2,180 1,060	1,910 2,010	870 2,360 890	2,110 2,470	1,810 2,320 240	2,110 2,610	2,550 2,680	1,590 2,730	2,620 2,360	1,680 2,090	1,790 1,820	160 1,700 1,150	19	
20	1,460 1,310	1,090 1,310 1,090	140 1,310 1,090	2,010 1,610 1,270	360 1,610 1,270	1,860 1,590	690 1,940 570	1,780 1,470	1,180 1,840 620	1,650 1,390	140 1,640 1,100	2,220 1,210	1,060 2,360 730	2,220 2,370	1,340 2,440 500	2,060 2,830	2,150 2,420	2,040 3,140	3,040 2,680	1,490 2,710	230 2,320 1,750	1,800 1,750	1,760 1,840	290 1,520 1,030	20
21	330 1,610 1,100	1,110 1,590	460 1,550 980	1,650 1,860	550 1,310 710	2,090 2,040	860 1,970 550	1,680 1,420	1,460 2,320 420	2,160 1,420	740 2,210 790	2,010 1,340	1,690 2,620 270	2,430 2,630	2,000 2,390	2,160 2,810	2,740 2,420	1,860 2,570	2,860 2,810	1,700 2,500	2,320 2,620	440 1,960 1,370	260 1,390 870	21	
22	740 1,550 860	1,030 1,780	990 2,210 690	920 1,090	720 1,610 830	2,370 1,620	1,270 1,730 370	2,320 1,690	1,660 2,080 260	2,400 2,290	1,180 2,150 730	2,450 1,880	2,470 2,770	2,530 2,930	2,440 2,440	2,140 3,040	290 1,860	2,420 1,880	280 2,190 2,020	2,620 2,230	1,760 1,010	1,880 1,050	370 1,860 700	22	
23	870 1,840 550	1,520 1,910	1,040 1,520 660	2,190 1,910	1,250 1,910 560	2,110 2,250 170	1,500 2,250 170	2,780 2,530	2,310 2,110	2,680 2,110	1,690 2,180 240	2,430 1,960	2,890 3,040	2,110 2,910	2,470 2,030	2,040 2,680	850 1,960 1,910	2,600 2,360 1,350	2,420 2,050	2,80 2,060 1,480	2,620 2,230	1,000 1,880 720	840 920 110	1,060 1,550 110	23
24	1,270 1,640 410	1,440 1,700	1,550 2,030 420	2,140 1,760	1,320 1,610 180	2,430 1,700	1,540 2,340	2,560 1,780	2,810 2,740	2,470 2,090	2,150 2,710	2,220 2,220	2,830 2,620	2,530 2,580	1,790 1,880	670 2,220 1,910	2,000 1,700 1,940	1,360 1,700 1,020	990 1,910 1,080	1,080 1,980 530	460 1,160	24			
25	1,620 2,150 390	1,550 1,620	1,700 2,150	2,160 1,800	1,610 1,940	2,630 1,650	2,460 2,870	2,700 1,500	2,810 3,100	2,340 1,730	2,620 2,740	2,240 2,530	2,500 2,500	2,170	640 2,010 2,150	1,970 1,860	2,150 1,840	1,530 1,650 680	2,260 1,760	1,080 1,550	2,120 1,640	1,070 1,700	620 670	25	
26	1,580 2,230 220	1,700 1,590	1,790 1,760	2,780 1,650	2,080 2,320	2,320 1,390	380 2,630 2,750	2,880 2,680 1,260	430 2,810 2,890	2,980 2,240 1,120	2,110 2,190	2,500 2,150	1,830 1,410	2,030 2,000	1,320 1,310	1,580 1,620 190	2,120 1,790	1,440 1,940	2,260 1,790	1,620 170	1,610 1,050	1,490 2,260	570 920	26	
27	1,930 2,260	1,860 1,590	1,340 1,220	2,170 1,190	2,360 2,390	2,220 1,500	540 2,630 2,670	740 2,860 900	2,950 2,920	2,160 1,880	240 1,880	1,420 1,650 930	2,080 2,210	1,620 1,610	1,320 1,790	1,670 1,490	1,530 1,760	1,330 1,180	1,650 1,930	360 880	420	27			
28	2,150 2,150	1,960 1,470	1,260 1,460	300 2,090 1,010	2,320 2,210	140 3,000	710 720	1,360 2,740 430	1,960 2,390 2,620	800 1,390 450	1,390 1,440 1,610	1,970 1,550 190	1,640 1,700	1,800 1,700	1,970 1,550	1,670 1,670	1,520 2,060	130 1,460 1,040	1,240 940 1,110	28					
29	2,260 2,260	1,910 1,460	1,130 1,160	430 2,760 650	2,250 2,190	470 2,450 940	1,090 1,920 2,530	1,550 2,020 500	2,360 2,320	1,860 1,730	1,550 2,100	1,810 1,940	1,670 1,650	1,790 1,550	1,670 1,670	1,650 2,010	1,590 1,760	1,580 1,480	1,190 1,880	1,130 1,910	520 800	29			
30	1,940 2,080	160 2,160 1,420	1,190 1,070	660 1,960 390	2,150 2,210	630 2,530 710	2,390 2,620	1,150 1,680 340	- -	- -	1,730 1,420 200	1,930 1,440	1,700 2,080 1,290	1,930 1,590	300 1,790 970	1,590 2,060	160 1,970 1,150	1,370 2,110	850 1,970 550	1,160 2,060	1,610 2,360 690	880 1,550	30		
31	1,670 1,840	360 2,450 1,370	- -	- -	2,180 2,030	1,070 340	2,530 2,320	1,560 1,490	- -	- -	1,810 1,340	- -	320 1,880 790	1,880 2,190	- -	760 2,260	1,290 2,160	1,290 2,000	1,490 2,260	- -	- -	- -	31		

Note --Where 2 successive downstream or upstream volumes are shown on adjacent days the portions of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide

## 2-2465 St Johns River at Jacksonville, Fla --Continued

Volume of flow, in millions of cubic feet, water year October 1963 to September 1964

Volume of Flow, in Millions of Cubic Feet, Water Year October 1905 to September 1904																										
	October		November		December		January		February		March		April		May		June		July		August		September			
Day	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Down-stream	Up-stream	Day	
1	1,600 2,390 540	1,440 1,760	2,950 3,040	2,090 1,830	2,710 2,890	2,810 1,840	310 3,520 2,840	1,390 1,030	600 2,810 530	510 1,700 2,420	2,680 1,310 1,550	700 1,310 1,730	1,280 1,520 590	1,410 1,370 390	1,290 1,520 1,370	1,700 1,370 1,370	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1,410 1,370 390	1	
2	2,170 2,680	1,570 1,700	2,980 2,830	2,220 1,510	2,000 2,830	320 1,280	2,160 1,250	1,230 1,370	950 1,860 190	1,580 1,730 1,340	1,370 1,460 1,460	1,580 1,420 1,420	1,370 1,370 1,020	1,540 1,620 1,400	1,370 1,570 1,400	1,820 1,820 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	2	
3	2,810 3,040	1,620 1,650	2,620 2,980	1,700 1,160	3,070 2,860	550 850	1,250 3,100 900	2,550 1,340	1,720 1,880 200	1,130 1,650 1,760	1,690 1,540 1,400	1,580 1,310 1,310	1,370 1,370 1,020	1,540 1,620 1,400	1,370 1,570 1,400	1,820 1,820 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	3	
4	3,010 3,070	1,590 1,460	2,980 2,770	2,220 1,510	2,000 2,830	320 1,280	2,160 1,250	1,230 1,370	950 1,860 190	1,580 1,730 1,340	1,370 1,460 1,460	1,580 1,420 1,420	1,370 1,370 1,020	1,540 1,620 1,400	1,370 1,570 1,400	1,820 1,820 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	1,540 1,620 1,400	4	
5	2,600 2,600	2,370 1,060	2,570 2,420	2,530 340	2,570 2,420	2,530 160	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	1,860 1,860	5	
6	2,710 2,440	2,140 560	2,260 2,500	2,240 2,500	1,910 1,880	2,550 1,880	1,640 1,970	2,240 1,340	1,390 640	1,830 1,310	1,650 1,190	1,310 1,190	1,700 1,190	1,310 1,190	1,130 1,030	1,700 2,210 670	1,570 2,450	1,000 2,030 670	2,060 2,780	2,060 2,780	2,060 2,780	2,060 2,780	2,060 2,780	2,060 2,780	6	
7	2,680 2,770	830 1,760 240	2,180 1,910 2,290	1,240 1,910 2,290	1,880 1,880 1,880	1,880 1,880 1,880	2,080 1,390 2,030	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	1,390 1,550 1,270	7		
8	2,680 2,570	970 1,700	1,880 1,720	1,420 2,090	2,000 1,940 1,710	1,800 1,760	1,580 1,520	840 470	1,190 920	1,50 1,880 1,150	1,810 1,680 560	1,270 1,270 490	1,420 1,470	1,810 2,500	1,700 2,500	1,950 2,470	1,490 2,470	2,500 2,470	2,500 2,470	2,500 2,470	2,500 2,470	2,500 2,470	2,500 2,470	2,500 2,470	8	
9	2,500 2,000	1,110 1,850	430 1,910 1,320	1,570 2,240	730 1,940 1,040	1,340 1,110	2,290 2,240	1,210 1,210	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	1,320 1,320	9	
10	1,640 1,470	1,550 1,960	560 1,610 910	2,160 2,220	1,040 1,670 780	1,680 1,760	270 2,230 1,640	1,590 1,340	1,730 1,390	1,490 2,470 400	1,250 1,210	1,930 2,770	1,860 2,060	2,160 2,810	1,340 2,340	2,810 2,470	1,520 2,440	3,130 2,500	1,730 2,170	2,770 2,360	1,390 1,080	5,280 3,010	360 410	360 410	10	
11	370 1,790 1,430	1,340 1,780	910 1,370 460	1,700 1,490	1,160 1,860 610	2,140 1,860	410 1,160	2,260 1,520	1,980 1,190	1,960 1,190	1,600 1,980 230	2,390 2,320	2,010 2,320	2,810 2,570	1,730 2,780	2,680 2,530	1,570 1,910	2,680 2,440	1,570 1,910	2,680 2,440	1,570 1,910	2,680 2,440	1,570 1,910	2,680 2,440	11	
12	960 2,440 1,050	1,160 1,550	1,060 1,790 390	1,680 1,470	1,440 2,150 200	2,090 1,570	1,160 2,260 230	3,070 1,490	2,080 1,960	2,890 1,960	2,060 2,390	2,400 1,960	2,650 2,500	2,110 2,160	2,810 2,680	1,860 2,440	820 2,710 2,600	990 1,930 2,600	1,680 1,680 720	2,680 2,680 2,080	1,760 1,760 1,380	320 920	320 920	320 920	12	
13	1,570 1,910 550	1,290 2,060	1,580 1,880 210	1,700 1,340	1,770 1,880	2,370 1,880	2,060 3,190 540	1,620 720	2,530 2,680	2,530 1,620	2,440 2,470	2,530 2,110	2,600 2,360	2,980 1,810	270 2,620	1,650 1,780	2,320 2,390	1,060 1,130	1,090 1,750 640	2,120 2,120 1,610	1,300 2,040 190	350 2,420 1,960	50 590	50 590	13	
14	1,270 2,390	1,860 1,780	1,910 2,230	1,340 1,340	2,050 2,050	2,450 1,550	2,140 1,520	1,910 1,520	2,470 2,220 2,600	2,240 2,240	2,620 2,420	2,100 2,220	2,810 2,600	770 1,430	770 2,230	1,650 2,230	2,810 2,230	1,650 2,230	2,810 2,230	1,650 2,230	2,810 2,230	1,650 2,230	2,810 2,230	1,650 2,230	2,810 2,230	14
15	2,230 2,530	1,650 1,420	2,000 2,290	1,780 1,930	2,210 1,940	2,430 1,470	2,030 2,360 240	2,450 1,730	2,390 2,600 1,060	2,860 2,570	2,140 1,930	2,470 2,530	2,800 2,500	2,500 2,230	2,260 2,230	2,530 2,230	2,040 2,210	2,120 1,520	2,370 2,100	1,910 1,340	1,800 1,340	1,790 1,230	640 1,260	640 1,260	640 1,260	15

16	2,420 2,390	1,440 1,390	2,180 2,570	1,960 1,230	2,030 2,160	1,910 890	2,150 2,470	2,470 1,800	2,860 3,010	700 880	1,730 1,860	2,580 2,290	1,460 1,420	2,530 2,030	1,930 1,620	2,390 2,120	1,900 1,830	1,760 1,490	1,930 2,430	150 1,130	1,310 1,910	820 1,760	640 1,290	16
17	2,150 2,470	1,830 1,250	2,120 2,390	140 2,110	1,610 2,000	220 890	2,360 2,210	2,810 1,650	2,440 2,440	880 2,400	1,790 1,570	2,500 2,080	1,600 1,290	2,420 2,150	1,870 1,370	2,000 1,340	1,830 2,580	2,030 1,600	1,650 1,860	480 1,840	880 1,830	1,060 1,880	770 1,310	17
18	2,390 2,440	140 1,570	2,080 2,230	290 2,260	1,940 2,500	220 1,620	2,320 2,530	2,160 1,260	2,260 2,650	1,330 1,980	2,630 2,600	990 1,680	1,900 1,370	2,160 2,000	2,160 1,590	1,880 1,170	2,290 2,060	400 1,700	1,620 1,960	1,150 1,940	1,210 2,290	1,550 1,940	900 1,440	18
19	1,940 2,120	280 2,010	1,760 2,030	630 2,040	2,230 2,470	1,730 950	2,220 2,950	1,590 1,800	2,180 2,710	1,500 1,240	1,350 1,570	2,440 1,910	1,960 1,340	2,080 1,380	1,930 2,060	500 1,970	1,490 2,060	910 1,730	1,370 2,160	1,170 1,760	1,520 2,140	1,960 2,180	1,110 1,590	19
20	2,000 2,210	540 1,780	1,550 1,640	930 2,520	2,290 2,180	110 1,730	2,050 3,600	1,310 1,140	2,320 2,570	1,550 1,260	2,370 1,620	210 2,390	2,140 1,680	350 2,080	1,880 2,110	1,160 2,030	1,550 2,190	1,270 1,760	1,260 2,530	1,890 2,150	1,370 1,930	2,360 2,420	1,130 1,550	20
21	1,880 1,880	670 2,040	1,400 1,970	1,180 2,110	1,400 1,820	2,260 1,030	2,390 3,670	280 380	2,080 1,910	1,620 1,260	1,880 2,000	1,390 740	1,940 1,910	2,260 490	1,620 2,370	2,000 410	1,290 2,220	1,580 1,370	1,520 2,290	2,200 2,290	1,490 2,190	2,180 2,120	1,420 1,680	21
22	1,550 1,100	730 2,110	1,490 2,030	1,140 2,060	1,400 1,910	440 940	2,290 2,930	1,530 1,680	210 1,750	2,550 1,760	500 1,800	1,100 1,940	2,340 2,260	1,150 1,730	1,910 2,340	1,620 1,910	1,290 1,730	1,720 1,730	2,370 2,340	2,710 2,210	1,390 1,980	2,320 2,520	1,340 1,370	22
23	950 1,400	1,010 1,520	1,730 1,960	1,440 1,860	1,840 2,360	1,820 830	2,080 2,200	2,260 1,570	750 2,590	2,290 1,830	650 1,840	2,260 2,010	1,740 2,050	2,320 2,500	1,620 2,230	1,780 2,430	1,870 1,840	1,760 2,450	1,290 2,710	2,570 2,320	1,550 2,210	1,490 2,650	150 1,190	23
24	1,070 1,430	670 1,130	220 1,730	1,210 2,160	360 2,180	240 1,590	2,400 2,290	1,610 1,880	2,370 2,570	1,650 540	1,060 2,290	2,340 1,620	1,910 2,160	1,910 2,430	1,850 2,180	1,520 2,550	1,970 1,910	1,390 2,370	2,290 1,840	1,440 2,370	240 1,860	300 1,650	24	
25	1,260 1,600	900 1,000	140 1,530	2,090 1,960	470 2,500	1,370 1,310	3,120 320	2,140 2,830	2,290 1,880	1,480 2,050	1,980 1,700	2,120 1,880	2,090 2,690	2,210 2,050	1,440 2,240	2,290 1,670	1,290 2,190	260 1,910	2,060 1,730	2,290 2,220	2,040 1,620	720 2,180	25	
26	400 1,490	700 1,260	570 1,790	1,720 1,730	880 2,260	2,870 1,980	2,400 3,160	2,560 1,520	2,710 2,770	2,060 2,010	2,040 2,290	2,040 1,520	300 1,260	2,360 1,730	1,370 2,220	2,050 1,760	240 1,240	1,550 1,570	1,730 1,570	2,680 2,470	2,340 2,290	1,100 2,570	26	
27	470 1,490	1,130 1,700	1,430 2,180	1,730 1,760	1,190 1,950	2,680 2,710	2,580 2,000	2,830 2,530	2,470 2,040	2,320 2,570	1,980 1,970	440 1,860	2,000 1,880	1,420 1,900	250 1,900	490 1,550	1,820 1,570	1,760 1,840	1,280 1,940	2,420 1,940	2,190 1,080	2,440 2,680	900 1,440	27
28	780 1,970	1,310 1,960	1,860 2,650	1,930 2,430	2,170 2,290	2,240 3,190	860 2,950	2,710 2,630	2,190 3,550	900	2,470 2,360	2,010 1,690	2,180 2,440	1,590 1,580	2,390 1,730	470 1,780	1,970 1,550	670 1,550	2,030 1,700	860 940	1,630 2,610	980 2,390	28	
29	1,610 2,230	1,700 1,910	2,600 3,130	2,430 380	2,330 2,620	1,780 2,900	3,100 3,040	2,730 640	1,620 1,190	2,230 2,620	1,860 1,340	2,440 1,820	1,190 2,220	2,050 2,050	1,590 1,840	1,580 1,550	1,030 1,730	2,120 2,110	1,400 2,110	830 2,700	230 1,480	1,020 1,730	29	
30	1,950 2,530	1,930 1,910	3,430 3,280	2,220 1,550	2,620 2,150	1,780 1,550	3,100 3,340	2,730 3,190	950 850	-	-	570 1,550	2,320 1,760	1,420 860	1,190 1,100	2,080 1,760	1,330 560	1,570 2,180	2,390 1,80	1,830 1,770	2,130 1,400	1,960 1,240	1,020 1,590	30
31	2,600 2,830	2,260 2,140	-	-	2,050 2,760	2,450 1,130	3,010 2,680	850 890	-	-	2,390 2,210	1,470 1,060	-	-	1,520 1,370	600	-	-	2,230 1,580	2,370 2,570	2,320 1,530	-	-	31

Note --Where 2 successive downstream or upstream volumes are shown on adjacent days the portions of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide

## 2-2465 St Johns River at Jacksonville, Fla --Continued

Volume of flow, in millions of cubic feet, water year October 1964 to September 1965

Volume of flow, in millions of cubic feet, water year October 1964 to September 1965																									
Day	October		November		December		January		February		March		April		May		June		July		August		September		Day
	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	Down- stream	Up- stream	
1	1,230 2,230 760	1,210 1,800	1,460 1,340 160	1,880 1,130	1,240 2,150 230	2,260 1,520	1,720 2,180	2,550 1,550	1,610 1,820	2,320 1,680	1,100 1,670 560	2,370 1,930	1,610 1,840	1,620 1,860	2,310 2,260	1,800 2,600	2,030 2,210	640 1,860 2,000	810 1,780 2,320	3,040 1,930	1,770 2,530	1,040 2,140 760	2,530 2,230	1,070 1,930	1
2	1,770 2,470 570	1,310 1,930	1,420 1,940	980 950	2,060 1,520	2,090 1,520	2,000 2,320	2,370 1,390	1,840 2,260	2,090 1,860	1,320 1,760 350	2,530 1,780	2,050 2,320	1,570 1,960	2,620 2,320	1,760 2,690	2,180 2,230	860 1,680 1,460	1,290 2,320 2,260	1,780 2,650 2,150	1,150 2,090 390	1,310 2,180 1,610	2,010	2	
3	2,290 2,390 270	1,390 1,760	2,000 2,030	1,520 1,110	2,120 2,120	2,090 1,240	2,390 1,580	2,060 1,390	1,840 2,000	2,220 1,580	1,410 1,610 190	2,990 2,290	2,230 2,000	1,760 1,460	2,710 2,420	1,780 2,310	2,180 2,150	1,450 1,780 800	2,320 1,910 2,030	1,640 2,420 2,030	1,570 2,370	1,700 1,040	1,520 2,500	3	
4	2,410 2,260	1,830 1,910	2,150 2,470	1,370 790	2,420 2,440	2,010 1,180	1,180 2,000	590 2,530 790	1,760 1,830 2,080	180 2,420 1,360	1,750 2,260	2,260 1,930	370 2,360 2,260	1,490 2,680 1,460	580 1,760 1,880	2,360 1,640	1,850 1,960 590	2,420 2,150	1,580 1,780	1,640 2,420 2,030	1,800 2,290	120 1,370 1,020	1,550	4	
5	2,390 1,700	1,700 2,120	90 2,530 2,710	130 1,800 980	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	2,390 1,990	1,940 1,980 550	1,130 1,490	5
6	1,020 1,840	530 2,630 990	2,440 2,470	180 1,420 790	2,360 1,620 740	1,820 2,000	1,980 2,030	1,940 2,030	1,760 2,280	2,720 2,280	2,150 1,990	2,260 1,990	1,470 860	2,470 2,080	1,590 790	2,030 1,840	1,730 1,440	2,160 240 1,360	1,680 240 1,360	1,680 240 1,360	1,620 240 1,360	790 1,400 290	980 1,160	6	
7	2,030 1,970	430 1,440 650	1,970 2,150	1,780 600	1,790 1,910	2,110 850	1,670 1,880	2,040 420	1,840 2,360	1,490 650	2,000 2,250	2,150 2,770	2,390 2,080	2,260 470	1,840 1,880 270	1,910 1,780	620 2,120 1,020	1,880 2,470	600 1,820 790	1,420 2,500	1,140 1,310 270	1,110 1,190	7		
8	1,670 1,640	440 1,540 450	1,940 2,050	610 1,860 330	1,840 2,150	570 480	1,790 2,120	1,650 280	2,080 2,120	970 400	2,740 1,840	2,210 450	1,650 1,970	2,210 240	1,960 1,940	1,650 820	1,650 820	1,010 1,730	1,730 1,810	1,180 2,530	1,370 700	1,070 220	1,000 1,110	8	
9	1,940 2,030	450 1,290 510	1,820 1,700	780 1,830 1,580	1,910 2,580	1,880 430	1,880 150	1,490 150	1,910 1,730	1,970 240	1,730 2,080	2,180 190	1,620 1,900	2,230 1,560	2,260 2,040	1,230 2,260	1,760 2,260	1,600 200	1,490 2,370	1,620 2,150	1,210 2,090	1,930 2,150	920 1,440	9	
10	1,700 1,910	460 200	1,340 1,730	990 1,730	1,520 1,730	1,880 150	1,730 1,760	1,390 1,760	1,820 2,030	2,210 1,570	2,150 1,940	1,430 1,380	2,550 2,260	170 1,400	2,260 1,400	1,480 220	1,680 2,450	1,830 2,080	1,520 2,400	1,950 1,680	950 2,090	1,970 2,180	1,110 1,490	10	
11	1,460 1,190	780 1,390	1,460 1,910	930 1,590	1,490 1,880	2,040	1,280 1,610	1,960 1,960	2,030 1,870	2,470 1,550	1,400 1,450	2,500 1,880	350 2,230 1,090	2,260 1,800	600 1,940	1,980 2,340	2,010 2,120	1,570 2,320	2,010 2,030	1,420 2,580	2,060 2,340	1,370 2,340	2,260 2,120	1,520 1,670	11
12	1,700 1,550	800 1,130	1,550 1,750	1,110 1,650	1,700 1,800	1,650	1,490 1,340	2,400 1,570	210 2,180 1,360	2,600 1,800	160 2,120 1,360	2,810 1,860	1,090 2,360 730	2,010 1,860	1,250 2,230 620	1,910 2,780	2,210 2,050	1,470 2,500	2,050 1,910	1,570 2,810	2,390 2,050	1,470 2,220	190 2,320 2,440	12	
13	1,310 1,500	720 1,130	190 1,340	1,090 1,650	200 1,420	1,680 1,780	570 1,180	2,140 1,940 1,180	900 2,180 810	2,830 2,010	340 580 860	3,070 1,680	1,690 2,440 420	2,090 2,320	1,460 1,760 210	2,290 2,890	2,260 1,790	1,310 2,440	2,030 1,790	1,680 2,410	2,230 2,060	1,570 2,060	380 2,620 2,290	13	
14	1,70 1,490 1,120	640 1,540	570 1,700 1,150	1,440 1,760	610 1,790 1,020	2,290 1,930	1,180 2,350 980	2,220 1,490	1,220 1,840 880	3,040 1,880	2,320 2,210 490	2,320 1,700	1,700 1,840	2,530 2,500	1,760 2,580	1,760 2,580	270 1,570 2,030	270 1,570 2,030	1,760 2,580	270 1,570 2,030	1,760 2,580	270 1,570 2,030	1,760 2,580	590 2,110 1,110	14
15	280 1,340 920	1,090 1,370	760 1,550 900	2,040 2,090	1,030 1,970 730	2,530 1,780	1,460 1,970 430	2,600 1,960	2,040 2,390	2,430 1,650	1,950 2,570 260	2,260 1,960	2,120 2,150	2,110 2,190	1,970 1,820	1,930 2,580	2,000 1,460	1,650 1,810	2,290 1,910	1,440 1,660	2,320 1,880	1,780 1,440	2,230 2,080	730 670	15

16	920 2,290 760	820 750	1,360 2,260 490	2,060 1,830	1,710 2,320 540	2,500 1,650	1,720 2,530 330	2,760 1,240	2,200 2,390	2,370 1,650	2,390 2,710	2,430 2,190	2,650 2,680	1,910 2,190	2,260 1,910	1,550 2,240	1,910 1,580	770 1,620 1,470	2,050 1,670	710 1,550 1,500	1,970 1,790	620 2,260 1,440	2,120 2,120	1,010 2,090 280	16
17	1,770 1,940 240	870 1,670	1,980 2,420 240	2,060 2,010	2,140 2,710 310	2,450 2,710 1,590	2,980 2,740	2,400 1,760	2,570 2,320	2,140 1,800	2,570 2,530	2,370 2,160	2,390 2,180	1,960 1,980	2,120 1,880	1,420 2,090	980 1,830 1,100	1,000 1,650 1,180	1,970 1,940	2,210 2,240 920	2,260 2,120 1,700	2,120 2,120 1,700	1,110 2,010 140	17	
18	2,180 2,360 260	1,690 1,910	2,150 2,360	2,680 2,190	2,760 2,950	2,400 1,960	2,770 2,860	2,450 1,510	2,440 2,440	1,930 1,720	2,770 2,530	1,980 1,750	2,210 2,150	1,650 1,780	2,390 1,730	1,370 1,770	1,700 1,260	1,280 1,700 700	2,030 1,580	1,190 1,950 840	2,390 2,390	2,090 2,090 640	2,120 2,120 2,230	1,280 2,190	18
19	2,350 2,610	1,760 1,790	2,500 2,500	2,890 1,740	2,320 2,500	2,930 1,500	2,710 2,500	170 2,710 1,390	190 1,620 1,540	440 1,980 1,620	440 2,180 1,640	440 1,620 1,210	760 2,000 1,400	1,790 1,790 1,460	1,620 1,310 1,460	1,250 1,800 590	2,180 2,180 1,610	950 2,320 500	2,030 2,030 1,530	1,470 2,530	19				
20	2,550 2,620	2,220 1,910	190 2,530 1,320	2,980 2,860	140 2,530 1,220	2,620 2,710	590 2,370 1,020	1,840 1,730	1,800 1,220	2,080 2,260	1,680 1,370	2,000 1,970	1,610 1,220	1,070 1,590 720	1,490 1,340 1,640	1,370 1,340 1,430	1,880 1,430	2,050 1,730	1,220 2,230 1,290	380 2,230 1,290	1,550 2,530	20			
21	2,470 2,860	2,040 1,730	2,680 2,620	2,930 1,130	2,860 2,430 950	2,430 2,570 950	2,010 1,840 690	1,840 1,910	1,490 1,820 660	920 1,620 840	1,210 1,650 530	1,610 1,620 950	1,680 1,620 420	1,560 1,490	1,700 890	1,610 2,190 190	1,570 2,630	860 2,320 890	1,700 2,680	21					
22	2,650 2,710	2,090 1,340	2,290 1,880	3,120 660	2,440 2,470	2,440 2,290	1,040 2,540 460	2,080 1,970	990 950 490	1,270 1,110 510	1,820 1,490	1,230 1,000 310	1,460 1,160	1,670 1,470 200	1,590 1,650	1,430 1,500	1,690 1,860	1,90 2,230 1,650	1,590 2,910	1,340 2,470 520	1,980 2,370	22			
23	2,680 2,420	340 1,390	1,790 2,390	990 1,930 560	2,360 2,470	1,060 2,140 160	2,050 2,000	1,610 1,800 170	1,790 1,050	1,520 590	2,120 1,820 140	1,790 1,260	1,260 920 170	1,760 1,490	180 2,080 1,310	1,650 1,980	170 2,080 1,340	1,290 2,040	710 2,680 1,260	1,680 2,830	2,100 2,650 270	1,780 2,320	23		
24	590 2,230 2,260	2,580 850	2,080 2,260	830 120	2,150 2,180	1,490 2,040	1,790 1,800	1,560 1,310	1,550 1,760	1,570 1,130	1,280 1,110	1,730 1,220	1,530 1,290	1,580 1,100	1,930 1,760	330 2,120 1,150	1,650 2,430	570 2,080 1,130	1,340 2,400	1,270 2,860 560	1,700 2,990	2,470 2,710	2,040 2,190	24	
25	2,420 2,390	570 2,040 370	2,210 2,440	1,070 1,420	2,050 1,910	1,680 1,800	200 1,550	1,620 1,550	3,430 1,360	1,130 50	1,460 1,050	1,860 1,310	2,060 1,980	270 1,790 860	1,830 2,010	760 2,360 620	1,730 2,730	1,130 2,560 780	1,520 3,010	1,960 3,120	2,830 2,810	2,110 1,900	25		
26	2,260 2,390	870 1,980 130	270 2,050 2,000	1,130 1,590	210 1,580	1,860 1,910	170 1,400 1,190	2,090 1,650	580 590	850 390	1,670 980	2,010 1,370	110 1,700 1,230	1,930 1,470	570 1,800 680	1,460 2,180 230	1,860 3,040	1,820 2,530 550	1,590 2,860	3,040 2,250	2,040 2,810	2,650 2,440	210 1,540	26	
27	1,130 2,260 2,230	500 1,860	1,650 1,930 1,200	680 2,030 1,160	1,630 1,390	300 1,460 1,040	2,240 1,520	260 1,370 890	1,980 1,650	240 1,550 860	2,090 1,490	530 2,050 750	1,760 1,490	1,020 1,970 660	1,650 2,320	2,060 2,500	1,930 3,100	2,190 2,680	1,730 3,140	3,280 3,250	1,980 2,140	2,470 1,970	390 2,290 1,280	27	
28	1,940 1,810	1,290 1,960	800 1,790 850	2,220 1,910	780 1,940 790	2,160 1,520	690 1,790	2,260 1,570	600 1,820 740	2,290 1,590	570 1,340 470	2,550 1,830	1,130 2,150 640	1,700 2,190	1,550 2,390 230	1,760 2,860	2,470 2,570	2,060 2,960	2,710 3,010	1,910 3,320	540 2,260 1,660	1,760 1,730	550 1,980 560	28	
29	450 1,760 1,080	1,620 1,930	1,270 1,820 390	2,140 1,830	1,180 1,840 670	2,260 1,550	1,420 2,080 560	2,010 1,510	- -	- -	1,110 2,120 440	1,930 1,520	1,480 1,790 440	2,290 2,960	2,090 2,150	1,960 3,070	2,600 2,600	1,760 2,760	2,710 2,470	2,010 2,420	3,040 2,440	710 1,610	1,910 2,210	830 1,620 330	29
30	1,070 1,840 830	1,620 2,190	1,550 2,180 310	2,340 1,730	1,560 2,050 440	2,220 1,490	2,090 2,290 270	2,090 1,470	- -	- -	1,740 2,080 180	1,910 1,980	1,770 2,290 260	1,930 2,400	2,080 2,210	1,930 2,990	310 2,650 2,620	1,760 1,900	2,500 2,570	2,160 2,160	2,470 2,210	1,070 2,630 780	760 1,650 100	30	
31	1,230 1,910 360	1,830 2,140	- -	- -	1,740 2,260 180	2,260 1,070	2,160 2,220	- -	- -	1,640 2,160	2,530 -	- -	- -	- -	330 -	2,210 2,030	2,010 2,580	- -	- -	2,770 2,220 2,390	2,220 1,560	2,600 2,530	1,180 -	- -	31

Note --Where 2 successive downstream or upstream volumes are shown on adjacent days the portions of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide

2-2469 Moultrie Creek at State Highway 207, near St Augustine, Fla

Location --Lat 29°50'50", long 81°21'39", in SE 1/4 sec 34, T 7 S, R 29 E, at center on downstream side of box culverts on State Highway 207, 2.0 miles upstream from Fort Peyton Branch and 4.2 miles southwest of St Augustine, St Johns County

Drainage area --22.1 sq mi

Records available --October 1961 to September 1965

Gage --Digital water-stage recorder Datum of gage is 14.24 ft above mean sea level, datum of 1929 Prior to Apr 6, 1965, graphic water-stage recorder at same site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (250 cfs), water years 1962-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Sept 21, 1962	2400	* 309	7.27	Feb 8, 1964	0630	259	7.03	Nov 2, 1964	0100	* 699	8.53
Sept 18, 1963	0900	* 682	8.47	May 3, 1964	0130	768	8.77				
Sept 25, 1963	1500		8.25	Sept 1, 1964	1430	265	7.05				
				Sept 10, 1964	1200	* 558	9.02				

Annual minimum discharge, water years 1962-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1962	Many days	a 0.10	b 2.11	1964	June 26, 1964	0.40	2.37
1963	do	a 1.0	c 2.05	1965	June 2, 1965	0	d 2.21

a Minimum daily

b Occurred May 18, 19, 20, 29, 1962

c Occurred May 18, 19, 20, 21, 1963

d Occurred June 2, 3, 1965

1961-65 Maximum discharge, 836 cfs Sept 10, 1964 (gage height, 9.02 ft), no flow June 2, 1965, minimum gage height, 2.05 ft May 18-21, 1963

Remarks --Records good

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.5	.40	2.9	.90	2.3	.70	7.2	.20	.10	.10	26	26
2	3.1	.40	2.7	.80	2.1	.70	13	.20	1.6	.10	19	27
3	2.5	.40	2.5	.70	1.9	1.1	15	.20	1.2	.10	17	28
4	2.0	.30	2.4	.70	1.8	1.2	12	.10	.70	.10	13	22
5	1.6	1.1	2.3	.70	1.8	1.0	9.0	.10	.40	.10	12	16
6	1.5	17	2.1	.70	1.8	.80	6.9	.10	.30	.20	9.7	13
7	1.3	12	1.9	.70	1.9	.70	5.6	.10	.20	.20	38	35
8	1.0	30	1.7	.70	1.8	.60	4.8	.10	.20	.50	69	52
9	.80	25	1.6	.70	2.2	.60	3.8	.10	.20	.60	48	59
10	.60	20	1.5	.70	3.1	.60	3.1	.10	.20	.40	34	77
11	.50	15	1.4	2.3	3.0	.50	2.7	.10	.20	.20	25	68
12	.60	12	1.3	6.7	2.6	.90	2.2	.10	.20	.20	18	48
13	4.2	10	1.4	5.8	2.4	2.0	1.9	.10	.30	.20	12	36
14	5.0	9.0	1.4	5.2	2.3	1.5	1.5	.10	.40	.10	9.1	30
15	5.8	9.3	1.3	5.2	2.1	1.4	1.2	.10	.50	.20	7.2	25
16	5.6	8.6	1.3	4.8	1.8	1.3	1.0	.10	.50	.20	5.7	21
17	5.0	7.6	1.3	4.3	1.7	1.0	.80	.10	.40	1.6	6.5	17
18	4.5	6.5	1.2	3.9	1.6	.80	.70	.10	.20	10	6.0	14
19	3.9	5.8	1.1	3.6	1.4	.70	.50	.10	.40	6.7	5.2	16
20	3.4	5.3	1.1	3.5	1.3	.60	.50	.10	.40	11	4.4	19
21	2.6	5.2	.90	3.3	1.1	.50	.40	.30	.50	35	3.8	83
22	2.2	4.7	.80	3.1	1.0	.50	.30	.20	.40	142	3.3	229
23	1.9	4.6	.80	3.1	1.0	3.6	.30	.20	.30	76	3.9	164
24	1.6	5.4	.70	2.9	.90	4.6	.20	.10	.30	38	3.0	121
25	1.3	4.8	.70	2.8	.90	3.6	.20	.10	.20	22	2.8	109
26	1.0	4.3	.70	2.6	.90	3.7	.20	.10	.20	12	4.2	95
27	.80	4.0	.70	2.5	.90	3.3	.70	.10	.20	7.0	6.0	75
28	.70	3.8	.90	2.7	80	2.8	.70	.10	.20	5.2	4.2	56
29	.60	3.4	1.0	2.8	-----	2.4	.40	.10	.20	4.9	3.4	44
30	.60	3.2	1.0	2.6	-----	2.0	.30	.10	.20	10	2.8	37
31	.50	-----	.90	2.4	-----	1.7	-----	.10	-----	23	6.4	-----
TOTAL	70.20	259.70	43.50	83.40	48.40	47.40	95.10	3.80	11.30	407.90	428.6	1,662
MEAN	2.26	8.06	1.40	2.69	1.73	1.53	3.17	.12	1.38	13.2	13.8	55.4
MAX	5.8	32	2.9	6.7	3.1	4.6	13	.30	1.6	142	69	229
MIN	.10	.30	.70	.70	.80	.50	.20	.10	.10	.10	2.8	13
CFSM	.10	.39	.06	.12	.08	.07	.14	.006	.02	.60	.73	2.51
IN.	.12	.44	.07	.14	.08	.08	.16	.006	.02	.69	.72	2.80

CAL YR 1961 TOTAL 3,161.30 MEAN 8.66 MAX 22° MIN .10 CFSM .39 IN 5.32

2-2469 Moultrie Creek at State Highway 207, near St Augustine, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	33		60	14	25	25	20	20	30	65	11	2.8
2	30	70	60	12	24	34	17	20	30	43	8.2	2.5
3	27	60	50	11	23	33	13	20	20	63	5.8	2.2
4	24	70	40	10	19	29	11	1.8	10	47	4.2	1.9
5	22	70	40	90	47	26	90	13	10	32	33	1.8
6	20	50	40	10	46	23	90	60	10	28	2.6	3.4
7	17	40	40	32	36	20	14	40	70	23	2.0	8.7
8	15	40	40	27	28	17	14	30	30	20	1.6	8.2
9	13	40	40	23	22	16	10	20	20	18	1.7	6.2
10	11	50	40	19	18	21	80	10	10	17	2.2	4.6
11	9.3	40	30	18	16	19	60	10	10	18	1.8	3.6
12	7.8	40	40	16	25	13	50	10	10	17	1.6	3.1
13	6.8	60	50	15	29	13	40	10	10	14	1.8	2.6
14	6.0	50	50	16	25	14	40	10	10	11	2.1	2.1
15	5.8	40	50	15	22	12	30	10	10	8.4	2.1	1.8
16	4.8	30	50	14	19	11	30	10	10	9.1	3.0	1.6
17	4.2	30	50	13	17	10	30	10	10	71	5.2	7.6
18	3.0	30	40	12	15	9.4	30	10	10	100	5.9	559
19	3.1	30	40	11	17	8.1	30	10	10	49	6.4	501
20	2.5	30	40	11	19	7.1	30	10	10	30	6.0	371
21	2.1	30	40	12	17	6.1	30	10	10	24	6.6	270
22	2.2	60	40	11	15	5.0	20	10	10	26	6.4	216
23	2.5	70	40	10	13	4.4	20	30	20	26	5.5	337
24	2.1	50	40	90	15	4.1	10	40	1.1	21	4.4	368
25	1.7	50	50	80	24	3.5	10	30	90	22	3.5	582
26	1.3	50	2.1	10	26	3.3	10	20	11	18	2.8	519
27	1.0	40	2.9	3.4	33	3.1	10	20	5.4	14	2.3	441
28	.80	40	2.6	3.4	28	2.8	10	20	11	10	2.1	326
29	.70	40	2.1	3.2	-----	2.7	10	40	38	7.4	3.6	254
30	.60	60	1.9	2.9	-----	2.5	10	80	75	5.8	3.6	227
31	.70	-----	1.6	2.7	-----	2.3	-----	40	-----	6.7	3.1	-----
TOTAL	281.60	14.50	24.20	52.40	598.8	407.4	17.60	9.70	145.70	864.4	122.4	4,995.7
MEAN	9.08	4.8	76	16.9	21.4	13.1	59	31	4.86	27.9	3.95	167
MAX	33	90	2.9	3.4	47	34	2.0	1.8	75	100	11	559
MIN	.60	30	.80	2.4	3.3	1.0	10	10	10	5.8	1.6	1.6
CFSM	41	.02	.04	.08	.97	.59	.03	.01	.22	1.26	.18	7.53
IN	.47	.02	.04	.09	1.01	.69	.03	.02	.25	1.45	.21	8.41
CAL YR 1962	TOTAL 3,108.20	MEAN 8.52	MAX 229	MIN 10	CFSM .39	IN 5.23						
WAT YR 1963	TOTAL 7,534.40	MEAN 20.6	MAX 559	MIN 10	CFSM .93	IN 12.68						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	192	4.5	6.0	70	74	64	15	64	4.0	1.6	9.1	187
2	159	4.3	5.2	52	60	90	13	208	2.8	4.2	7.0	208
3	127	4.1	4.9	40	51	47	11	642	2.2	9.2	5.1	155
4	102	3.6	4.7	34	48	36	9.4	427	1.6	6.8	4.0	110
5	95	4.5	4.4	29	49	37	8.5	280	13	4.8	4.2	84
6	70	5.4	4.1	25	73	28	7.9	200	8.1	3.8	4.4	65
7	56	4.9	3.9	27	68	29	6.8	157	28	3.0	4.9	52
8	49	4.3	3.8	28	218	21	5.5	120	24	2.0	4.8	44
9	42	3.8	3.7	70	155	21	6.0	95	21	1.3	4.5	192
10	36	12	3.4	113	107	19	5.2	76	17	.90	3.8	760
11	32	16	3.1	87	85	17	4.4	60	13	.80	4.5	673
12	29	25	3.0	132	67	16	4.0	50	9.8	2.8	5.8	532
13	25	23	3.6	161	56	16	3.3	42	7.8	4.8	6.1	460
14	23	20	4.5	125	50	14	2.5	36	5.8	3.5	6.9	352
15	22	16	4.2	93	44	13	3.0	31	4.4	2.4	7.2	265
16	21	14	3.6	74	41	11	3.0	27	3.3	1.9	7.3	208
17	20	12	3.5	153	37	11	2.5	23	3.4	4.9	11	169
18	19	11	3.4	187	37	10	2.1	20	6.0	7.3	14	139
19	17	9.6	3.2	143	40	9.0	2.0	17	4.5	5.1	21	114
20	15	8.6	3.0	110	33	10	1.7	14	3.2	3.6	46	94
21	13	7.8	2.8	88	30	11	1.2	12	2.3	2.8	86	80
22	11	7.0	2.8	74	27	9.2	.90	10	1.6	3.5	65	67
23	9.8	6.4	2.8	62	26	8.1	.70	8.7	1.1	3.5	46	58
24	14	5.9	3.5	55	23	7.4	.60	7.3	.70	2.8	34	50
25	13	5.5	3.6	50	21	6.8	.50	6.0	.50	2.7	28	44
26	11	5.5	3.5	50	20	9.8	.70	4.9	1.0	9.5	26	40
27	9.4	5.3	3.2	53	22	11.3	.80	4.0	2.2	22	29	30
28	8.1	5.0	3.2	181	113	20	30	3.2	2.2	27	179	36
29	7.0	6.4	4.6	149	90	26	100	2.5	1.8	24	208	33
30	5.9	7.0	5.3	113	-----	27	86	2.1	1.5	17	143	30
31	4.9	-----	33	89	-----	18	-----	4.2	-----	12	93	-----
TOTAL	1,248.1	268.4	147.9	2,796	1,762	624.3	338.60	2,653.9	186.10	201.50	1,117.6	5,360
MEAN	40.3	8.95	4.77	90.2	60.8	20.1	11.3	85.6	6.20	6.50	36.1	179
MAX	192	25	33	192	218	64	100	642	28	27	208	780
MIN	4.9	3.6	2.8	25	20	6.8	.50	2.1	.50	.80	3.8	30
CFSM	11.82	.40	.22	4.08	2.75	.91	.51	3.87	.28	.29	1.63	8.08
IN	2.10	.45	.25	4.71	2.97	1.05	.57	4.47	.31	.34	1.88	9.02
CAL YR 1963	TOTAL 16,878.50	MEAN 24.3	MAX 559	MIN .50	CFSM 1.10	IN 14.94						
WAT YR 1964	TOTAL 16,704.40	MEAN 45.6	MAX 780	MIN .50	CFSM 2.07	IN 28.11						



2-2469 Moultrie Creek at State Highway 207, near St Augustine, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	28	181	34	25	4.8	30	8.8	.90	.10	1.6	7.0	.50	
2	26	585	31	22	5.6	27	7.5	.60	0	1.8	7.7	.30	
3	24	363	28	20	6.4	27	6.8	.50	.10	1.7	6.5	.30	
4	22	264	29	18	5.8	32	6.6	.50	.10	1.3	5.9	.20	
5	20	198	87	16	5.4	30	6.3	.50	.10	.70	5.0	.20	
6	19	152	95	14	6.3	25	5.8	.60	.20	2.5	4.5	.20	
7	18	124	75	13	23	22	5.5	.60	.10	3.8	5.5	.20	
8	16	104	59	12	27	19	5.0	.50	.10	6.0	6.7	.20	
9	15	86	48	11	21	16	4.2	.40	.20	7.0	8.6	.20	
10	13	73	39	10	18	15	3.8	.30	.10	8.6	5.8	.20	
11	11	62	34	9.5	14	15	3.7	.30	.70	23	5.4	.20	
12	10	55	31	8.7	12	13	3.4	.20	1.1	63	4.8	.20	
13	9.1	48	28	8.1	11	12	2.7	.70	3.0	60	4.0	.20	
14	15	40	26	7.8	19	15	2.2	.30	2.9	56	3.5	.20	
15	33	38	25	6.3	36	14	2.3	.20	2.3	91	4.9	.30	
16	33	45	22	8.4	31	11	2.4	.10	2.9	93	11	.30	
17	32	37	20	7.6	26	10	2.0	.10	5.6	150	9.6	.60	
18	29	33	20	6.8	23	9.3	1.6	.10	9.5	121	7.6	.60	
19	25	30	19	6.5	20	16	1.4	.10	13	84	6.7	.40	
20	21	27	17	6.1	17	33	1.2	.10	12	61	5.7	.30	
21	18	24	17	5.8	14	36	1.4	.10	9.1	46	4.7	.20	
22	16	24	18	5.8	12	29	1.2	.10	6.9	34	3.7	.20	
23	14	24	16	5.7	17	25	1.1	.10	5.4	27	3.4	.20	
24	12	34	15	5.8	78	21	1.1	.10	4.4	21	3.2	.20	
25	10	46	14	6.3	125	18	1.1	.10	4.5	16	2.5	.20	
26	9.1	50	13	6.0	75	15	2.5	.10	5.0	13	1.9	.20	
27	8.1	42	35	6.7	51	13	4.2	.10	4.7	11	1.3	.20	
28	7.3	39	46	5.9	36	13	3.6	.10	3.9	8.3	1.5	1.3	
29	7.2	51	36	5.4	-----	11	2.0	.10	3.1	7.2	2.3	1.2	
30	6.8	42	32	5.1	-----	10	1.4	.10	2.3	8.3	1.5	4.3	
31	6.1	-----	28	5.1	-----	9.6	-----	.10	-----	7.4	.90	-----	
TOTAL	533.7	2,921	1,037	302.4	740.3	591.9	102.8	8.70	103.40	1,036.20	151.30	14.00	
MEAN	17.2	97.4	33.5	9.75	26.4	19.1	3.43	.28	3.45	33.4	4.88	.47	
MAX	33	585	95	25	125	36	8.8	.90	13	150	11	4.3	
MIN	6.1	24	13	5.1	4.8	9.3	1.1	.10	0	.70	.90	.20	
CFSM	.78	4.41	1.51	.44	1.20	.86	.16	.01	.16	1.51	.22	.02	
IN.	.90	4.92	1.75	.51	1.25	1.00	.17	.01	.17	1.74	.25	.02	
CAL YR 1964	TOTAL	19,531.70		MEAN	53.4	MAX	780	MIN	.50	CFSM	2.41	IN	32.87
WAT YR 1965.	TOTAL	7,542.70		MEAN	20.7	MAX	585	MIN	0	CFSM	.94	IN	12.69

2-2470 Moultrie Creek near St Augustine, Fla

Location (revised) --Lat 29°49'40", long 81°20'57", in sec 11, T 8 S , R 29 E , on right bank  
0 4 mile upstream from Port Peyton Branch, 1 6 miles downstream from bridge on State Highway 207,  
and 4 9 miles southwest of St Augustine, St Johns County

Drainage area --23 3 sq mi

Records available --October 1939 to September 1964 (discontinued) Monthly discharge only for  
October 1939, published in WSP 1304

Gage --Water-stage recorder and wooden control Datum of gage is 2 17 ft above mean sea level,  
Datum of 1929

Average discharge --25 years, 23 9 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (300 cfs, revised), water years 1961-64											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
July 19, 1961	0430	* 763	7 90	Sept 25, 1963	1800	922	8 11	May 3, 1964	0300	1,280	8 73
Sept 22, 1962	0400	* 398	6 79	Jan 12, 1964	1930	321	6 59	Aug 28, 1964	2100	308	6 56
Sept 18, 1963	1200	* 1,100	8 35	Feb 8, 1964	1000	373	6 71	Sept 1, 1964	1750	334	6 62
								Sept 10, 1964	1330	* 1,450	9 06

Annual minimum discharge, water years 1961-64							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Aug 17, 1961	0 60	2 44	1963	May 15-21, 1963	a 0 20	c 2 13
1962	July 14-16, 1962	a 40	b 2 38	1964	June 25, 26, 1964	50	2 35

a Minimum daily

b Occurred July 15, 1962

c Occurred May 20, 21, 1963

1939-64 Maximum discharge, 1,450 cfs Sept 10, 1964, maximum gage height, 9 31 ft Oct 21, 1941, minimum discharge, 0 10 cfs June 6, 7, 1958, minimum gage height, 0 82 ft May 28 1948 (control washed out)

Maximum stage known, about 13 ft Feb 9, 1919, from information by local resident

Remarks --Records fair except those above 300 cfs and below 5 cfs, which are poor

Revisions --WSP 1234 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	193	25	2.8	6.9	12	11	2.8	1.0	.80	1.7	14	8.8
2	127	21	2.5	7.7	12	10	2.5	1.3	.80	1.2	11	7.3
3	93	18	2.3	6.2	24	8.5	2.0	1.3	.80	1.0	9.6	5.8
4	71	16	2.3	5.5	48	7.7	1.7	1.1	.80	1.7	8.1	4.9
5	59	15	2.1	5.2	48	6.9	1.4	1.0	.80	8.5	6.2	3.8
6	32	14	2.0	4.9	41	6.5	1.3	.90	.70	3.8	6.2	3.2
7	59	12	2.0	4.6	38	5.8	1.7	.90	.80	2.6	6.9	2.6
8	206	11	1.8	4.3	55	5	1.8	.90	.80	2.3	4.1	2.0
9	161	10	1.8	4.3	48	5.2	4.7	.90	.80	3.0	3.0	2.0
10	151	10	1.7	4.3	38	4.6	21	6.5	.80	15	2.3	1.6
11	108	8.8	1.8	4.1	30	4.1	14	4.3	.90	46	1.7	1.3
12	81	8.5	2.3	4.1	24	4.1	16	2.8	.90	58	1.3	1.0
13	66	8.1	2.0	5.2	19	3.6	29	2.1	.80	47	1.0	1.2
14	66	7.7	1.8	16	3.6	24	1.6	1.1	1.1	32	.90	1.3
15	53	6.9	2.5	9.6	14	3.4	19	1.2	1.8	23	.80	1.6
16	44	6.5	4.1	8.5	12	2.8	34	1.0	2.0	17	1.0	15
17	38	6.2	3.4	7.3	12	2.5	32	.90	5.2	13	.60	145
18	33	5.8	2.8	6.9	10	3.8	20	.90	2.1	38	1.4	64
19	29	5.5	2.5	6.2	13	10	14	.80	1.6	687	2.1	44
20	26	4.9	2.3	6.2	14	7.3	10	.80	1.3	508	4.9	32
21	24	4.6	2.5	5.8	13	7.3	7.7	.90	1.4	310	2.1	24
22	22	4.3	2.6	5.2	12	6.5	5.8	1.1	1.8	196	1.4	18
23	19	4.9	2.5	5.2	11	5.8	4.6	1.0	1.3	134	1.1	14
24	17	3.6	2.3	5.2	15	4.9	3.6	.90	1.0	93	.90	11
25	14	3.4	2.1	5.5	16	4.1	2.8	.90	1.0	65	.70	9.0
26	12	3.4	2.1	7.7	14	3.6	2.3	1.0	.90	50	1.4	7.5
27	12	4.1	2.1	7.7	13	3.2	1.8	1.3	1.3	39	3.8	6.0
28	10	3.8	2.0	7.3	12	2.8	1.4	1.4	3.8	32	2.1	4.9
29	9.4	3.4	2.0	10	-----	2.6	1.2	1.0	5.5	26	13	4.0
30	8.4	3.2	2.0	15	-----	2.5	1.1	.90	2.6	21	14	7.5
31	12	-----	2.0	13	-----	2.5	-----	.90	-----	17	11	-----
TOTAL	1,875.8	258.5	71.0	209.6	634	162.7	285.2	44.20	46.20	2,492.8	138.60	454.3
MEAN	60.5	8.62	2.29	6.76	22.6	5.25	9.51	1.43	1.54	80.4	4.47	15.1
MAX	206	25	4.1	15	55	11	34	6.5	5.5	687	14	145
MIN	8.4	3.2	1.7	4.1	10	2.5	1.1	.80	.70	1.0	.60	1.0
CFSM	2.60	.37	.10	.29	.97	.23	.41	.06	.07	3.45	.19	.65
IN.	2.99	.41	.11	.33	1.01	.26	.46	.07	.07	3.98	.22	.73
CAL YR 1960	TOTAL	11,716.10	MEAN	32.0	MAX	845	MIN	.50	CFSM	1.37	IN	18.70
WAT YR 1961	TOTAL	6,672.90	MEAN	18.3	MAX	687	MIN	.60	CFSM	.78	IN	10.65

## 2-2470 Moultrie Creek near St Augustine, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.7	.80	4.2	1.4	2.3	1.3	7.8	.80	.80	.70	32	33
2	4.2	.80	4.0	1.4	2.1	1.5	15	.70	4.3	.60	21	36
3	3.5	.70	3.5	1.3	2.0	1.8	14	.70	4.4	.60	18	35
4	2.8	.70	3.3	1.2	2.0	2.0	14	.70	2.3	.60	15	28
5	2.3	1.8	3.0	1.2	1.8	1.8	12	.70	1.5	.60	14	21
6	2.1	17	2.8	1.1	1.8	1.5	9.4	.60	1.2	.90	12	17
7	1.8	35	2.7	1.1	2.1	1.3	8.1	.60	1.1	1.0	29	39
8	1.5	34	2.3	1.1	2.1	1.1	7.2	.50	1.0	1.2	70	59
9	1.4	29	2.1	1.1	2.1	1.0	6.0	.50	.90	1.4	60	58
10	1.2	22	2.0	1.1	3.3	1.0	4.9	.50	.80	1.1	43	128
11	1.1	18	2.0	2.9	3.7	1.0	4.2	.60	1.0	.80	31	92
12	1.2	14	2.0	8.1	3.3	1.7	3.5	.50	1.1	.70	23	67
13	4.7	13	2.0	7.2	2.8	2.8	4.8	.50	1.4	.50	18	46
14	6.6	12	2.0	6.3	2.7	2.5	2.5	.60	1.4	.40	14	37
15	6.9	12	2.0	6.0	2.5	2.1	2.3	.50	1.5	.40	11	30
16	6.9	11	2.0	5.7	2.3	2.3	2.0	.50	1.5	.40	9.0	24
17	6.0	9.7	2.0	5.2	2.1	1.8	1.8	.50	1.3	.60	9.7	21
18	5.7	8.7	2.0	4.7	1.8	1.5	1.7	.40	1.0	9.0	9.0	18
19	4.7	8.1	2.0	4.4	1.8	1.4	1.4	.50	1.9	7.2	7.8	18
20	4.0	7.2	1.7	4.0	1.8	1.3	1.3	.70	1.5	12	6.6	24
21	3.3	7.2	1.5	3.7	1.7	1.2	1.2	1.5	1.5	19	5.7	47
22	2.8	6.9	1.3	3.5	1.5	1.1	1.1	.80	1.3	141	4.9	329
23	2.7	6.6	1.3	3.5	1.5	5.2	1.0	.70	1.1	103	7.7	246
24	2.3	7.2	1.2	3.3	1.4	7.2	.90	.70	1.0	53	7.2	173
25	1.7	6.9	1.1	3.0	1.4	5.7	.90	.60	.80	29	6.0	134
26	1.4	6.0	1.1	2.8	1.4	5.4	.90	.50	.70	15	6.3	113
27	1.2	5.4	1.0	2.5	1.3	4.9	1.3	.50	.80	9.7	11	91
28	1.0	5.2	1.5	2.8	1.3	4.4	1.7	.50	1.2	6.9	7.5	70
29	1.0	4.7	1.7	2.9	-----	3.7	1.3	.50	1.0	6.3	5.2	55
30	1.0	4.4	1.5	2.7	-----	3.5	1.1	.70	.80	9.4	4.0	47
31	.90	-----	1.4	2.5	-----	2.8	-----	.80	-----	22	7.3	-----
TOTAL	92.60	316.00	64.2	99.6	57.9	77.6	133.30	19.40	42.10	455.00	525.9	2,131
MEAN	2.99	10.5	2.07	3.21	2.07	2.50	4.44	.63	1.40	14.7	17.0	71.0
MAX	6.9	35	4.2	8.1	3.7	7.2	15	1.5	1.4	141	70	329
MIN	.90	.70	1.0	1.1	1.3	1.0	.90	.40	.70	.40	4.0	17
CFSM	.13	.45	.09	.14	.09	.11	.19	.03	.06	.63	.73	3.05
IN.	.15	.50	.10	.16	.09	.12	.21	.03	.07	.73	.84	3.40

CAL YR 1961 TOTAL 4,946.40 MEAN 13.5 MAX 687 MIN .60 CFSM .58 IN 7.89  
WAT YR 1962 TOTAL 4,014.60 MEAN 11.0 MAX 329 MIN .40 CFSM .47 IN 6.41

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	41	1.4	1.4	2.3	3.6	30	3.1	1.1	1.0	75	15	4.1
2	36	1.2	1.3	4.2	3.2	40	4.7	1.1	.80	56	12	3.6
3	32	1.0	1.3	2.2	3.8	43	2.4	1.1	.70	60	9.0	3.2
4	28	1.0	1.1	2.0	20	36	2.2	2.6	.50	61	6.4	2.9
5	25	1.1	1.1	1.9	49	37	1.9	2.7	.50	44	4.6	2.7
6	22	1.0	1.1	2.0	56	27	2.2	1.8	.40	38	3.7	4.2
7	19	.80	1.1	3.8	45	23	2.9	1.3	1.4	31	3.0	12
8	16	.80	1.1	1.6	34	19	2.9	.90	1.7	26	2.8	12
9	14	1.0	1.2	3.1	25	17	2.3	.70	1.0	21	2.8	9.0
10	12	1.2	1.1	2.9	20	24	1.9	.60	.80	21	3.4	6.7
11	10	1.0	1.1	2.7	17	22	1.7	.50	.60	21	3.0	5.3
12	8.9	1.2	1.3	2.6	27	19	1.5	.50	.60	20	2.8	4.1
13	7.6	1.6	1.4	2.6	35	16	1.4	.50	.80	18	2.8	3.4
14	7.0	1.3	1.4	2.6	29	15	1.4	.30	.70	15	3.1	3.0
15	6.5	1.1	1.4	2.6	24	13	1.7	.20	.60	13	3.1	2.8
16	5.7	1.0	1.4	2.4	20	12	1.1	.20	.70	15	4.2	2.8
17	4.9	1.0	1.4	2.3	18	12	1.0	.20	.70	44	7.3	16
18	4.5	.90	1.4	2.2	16	11	1.0	.20	.60	143	8.3	804
19	3.4	.90	1.3	2.2	17	9.9	1.0	.20	.60	73	9.4	748
20	2.9	.90	1.3	2.2	20	8.9	1.0	.20	.50	47	8.7	589
21	2.4	.90	1.2	2.4	17	7.9	.90	.20	.50	34	9.0	404
22	2.4	1.0	1.2	2.2	16	7.0	.90	.50	.50	30	8.4	239
23	2.9	1.3	1.1	2.0	13	8.2	.80	1.1	.80	41	8.0	505
24	2.3	1.2	1.1	1.9	16	5.9	.80	1.7	2.0	36	6.4	580
25	1.8	1.2	1.2	2.0	27	5.4	.80	1.1	2.7	38	5.0	784
26	1.5	1.1	2.9	2.4	30	4.9	.90	.80	15	26	4.1	797
27	1.3	1.1	4.2	4.5	41	4.5	.70	.70	13	18	3.4	486
28	1.1	1.1	3.8	4.9	35	4.2	.80	.70	9.9	14	3.1	514
29	1.0	1.2	3.1	4.5	-----	4.0	.80	.90	35	11	5.0	369
30	.90	1.4	2.7	4.0	-----	3.8	.90	2.0	69	8.3	5.3	312
31	1.1	-----	2.4	3.8	-----	3.4	-----	1.2	-----	8.7	4.4	-----
TOTAL	325.10	32.90	50.1	85.0	677.6	487.0	45.30	27.80	163.60	1,116.0	178.5	7,485.8
MEAN	10.5	1.10	1.62	2.74	24.2	15.7	1.51	.90	5.45	36.0	5.76	250
MAX	41	1.6	4.2	4.9	56	43	3.1	2.7	69	143	15	804
MIN	.90	.80	1.1	1.9	3.2	3.4	.80	.20	.40	8.3	2.8	2.7
CFSM	.45	.05	.07	.12	1.04	.67	.06	.06	.23	1.55	.25	10.7
IN.	.52	.05	.06	.14	1.08	.78	.07	.04	.26	1.78	.28	11.9

CAL YR 1962 TOTAL 3,949.90 MEAN 10.8 MAX 329 MIN .40 CFSM .46 IN 6.30  
WAT YR 1963 TOTAL 10,674.70 MEAN 29.2 MAX 804 MIN .20 CFSM 1.26 IN 17.04

## 2-2470 Moultrie Creek near St Augustine, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	235	5.4	6.5	75	79	86	17	74	7.1	5.4	12	203
2	185	5.2	5.7	65	69	60	14	211	4.7	11	10	249
3	146	4.7	5.4	52	62	48	12	1,060	3.4	22	8.0	176
4	112	4.2	5.2	42	57	41	11	629	2.4	16	6.2	120
5	88	4.9	4.9	35	58	37	10	400	1.8	12	6.2	91
6	75	6.5	4.7	30	73	33	9.5	256	16	8.4	6.2	74
7	66	5.7	4.5	30	74	29	8.6	185	41	8.0	6.8	63
8	98	4.7	4.2	32	267	27	7.3	198	33	5.2	6.8	92
9	50	4.2	4.2	59	192	25	7.6	108	26	3.4	6.5	192
10	43	12	4.0	123	124	23	7.0	84	21	2.8	5.7	1,320
11	38	18	3.8	97	90	21	6.2	71	18	2.4	6.2	1,050
12	34	27	3.8	210	76	20	5.4	61	14	6.0	7.4	761
13	30	26	4.7	226	67	20	4.7	52	11	11	7.7	646
14	25	20	5.2	148	60	17	4.2	45	8.7	7.4	8.7	475
15	24	17	4.9	103	54	15	4.2	38	6.8	4.9	8.7	343
16	24	15	4.5	81	50	14	4.0	33	5.2	4.0	8.7	249
17	22	13	4.2	150	46	13	3.4	28	5.2	8.7	15	195
18	21	12	4.0	235	47	12	2.9	24	11	12	19	156
19	19	10	3.8	165	51	11	2.6	20	7.4	9.1	25	123
20	16	9.2	3.6	123	43	12	2.4	17	5.4	6.5	45	101
21	13	8.6	3.6	94	37	14	1.9	15	4.0	4.9	87	86
22	12	7.9	3.6	78	33	12	1.4	13	2.6	5.2	77	77
23	11	7.6	3.6	71	31	10	1.1	11	1.9	5.4	57	70
24	16	7.0	4.5	65	29	9.2	90	9.7	1.2	4.4	43	63
25	15	6.8	4.5	60	26	8.6	80	8.0	8.0	4.4	34	58
26	12	6.8	4.2	59	24	11	1.4	6.8	4.1	13	30	54
27	10	6.5	4.0	56	24	21	1.6	5.4	7.7	28	31	51
28	8.4	6.2	4.0	189	98	22	22	4.4	7.4	32	190	49
29	7.6	7.0	5.2	180	146	29	96	3.4	5.9	28	260	45
30	6.8	7.6	6.2	129	-----	25	94	2.5	5.4	21	169	40
31	5.9	-----	26	96	-----	19	-----	8.0	-----	15	104	-----
TOTAL	1,429.2	297.3	161.2	3,158	2,087	738.8	365.10	3,621.2	290.10	327.5	1,307.8	7,232
MEAN	46.1	9.91	5.20	102	72.0	23.8	12.2	117	9.67	10.6	42.2	241
MAX	235	27	26	235	267	80	96	1,060	41	32	260	1,320
MIN	5.9	4.2	3.6	30	24	8.6	80	2.5	8.0	2.4	5.7	40
CFSM	1.98	4.43	22	4.37	3.09	1.02	52	5.01	42	45	1.81	10.3
IN.	2.28	47	26	5.04	3.33	1.18	58	5.78	46	52	2.09	11.5
CAL YR 1963	TOTAL	12,154.30	MEAN	33.3	MAX	804	MIN	20	CFSM	1.43	IN	19.40
WAT YR 1964	TOTAL	21,015.20	MEAN	57.4	MAX	1,320	MIN	80	CFSM	2.46	IN	33.54

## 2-2475 1 Tomoka River near Holly Hill, Fla

Location --Lat 28°13'02", long 81°06'32", in NW¼ sec 9, T 15 S, R 32 E, in middle of stream, 800 ft southwest of Tomoka Land Co fence and end of 11th Street extension, 0.3 mile southwest of U S Highway I-95, 2 miles upstream from Priest Branch, 4.5 miles southwest of Holly Hill, Volusia County, and 11.9 miles upstream from mouth

Drainage area --76.8 sq mi

Records available --October 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level (State Road Department bench mark)

Extremes --Maximum discharge during year, 272 cfs Oct 16 (gage height, 8.27 ft), minimum, 0.60 cfs June 3 (gage height, 6.17 ft)  
Flood of Sept 11, 1964, reached a stage of 12.65 ft, from floodmarks (discharge, 2,170 cfs)

Remarks --Records fair except those for period of shifting control, which are poor. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT
1	160	33	29	27	23	53	36	6.5	0.8	20	55	18
2	140	69	28	27	24	46	35	5.5	7	18	69	15
3	120	74	24	27	28	49	35	4.8	7	16	93	14
4	110	68	24	28	26	98	33	4.2	8	13	124	13
5	100	60	60	26	24	98	30	3.8	8	11	87	11
6	90	56	132	26	25	82	28	3.6	7	10	74	11
7	79	49	113	26	45	66	27	3.3	8	9.4	82	10
8	74	44	87	26	64	50	25	3.1	1.0	9.7	120	9.7
9	66	38	74	25	53	44	23	2.9	2.9	10	153	9.4
10	58	34	63	24	45	37	21	2.7	2.7	9.7	153	9.1
11	50	32	55	26	40	37	19	2.7	6.0	11	130	9.4
12	44	29	47	26	35	37	18	2.7	12	13	100	9.7
13	40	28	42	26	31	50	16	2.5	11	12	74	8.8
14	63	25	38	24	29	118	14	2.2	12	13	60	8.8
15	218	24	34	33	28	107	12	2.0	8.5	15	56	8.8
16	255	23	31	53	26	89	15	1.8	14	20	52	9.4
17	189	22	29	49	25	74	31	1.8	69	20	44	10
18	147	21	28	42	23	63	29	1.7	118	19	46	11
19	124	20	26	37	22	58	22	1.7	164	20	79	11
20	105	19	24	34	21	69	19	1.6	61	19	72	11
21	89	18	23	30	19	71	17	1.4	26	21	58	11
22	79	17	23	28	18	64	15	1.4	20	22	47	11
23	72	18	23	27	26	58	14	1.8	17	22	41	18
24	61	24	23	28	63	53	12	1.8	24	21	38	15
25	55	23	23	29	87	49	11	1.6	46	23	37	16
26	50	22	22	30	84	44	9.4	1.4	71	40	32	15
27	45	22	26	28	71	38	9.7	1.0	56	34	30	33
28	44	21	29	26	61	36	11	9	38	24	42	56
29	37	24	28	25	-----	36	8.5	9	28	24	60	48
30	34	28	28	24	-----	33	7.4	1.0	23	37	33	107
31	32	-----	28	23	-----	35	-----	1.0	-----	40	23	-----
TOTAL	2,830	985	1,264	910	1,066	1,842	603.0	75.3	836.4	596.8	2,164	548.1
MEAN	91.3	32.8	40.8	29.4	38.1	59.4	20.1	2.43	27.9	19.3	69.8	18.3
MAX	255	74	132	53	87	118	36	6.5	164	40	153	107
MIN	32	17	22	23	18	33	7.4	9	7	9.4	23	8.8
CFSM	1.19	4.3	5.3	3.8	5.0	7.7	2.6	0.3	36	25	91	24
IN	1.37	4.8	6.1	4.4	5.2	8.9	2.9	0.4	41	29	1.05	2.7
CAL YR 1964	MAX	-	MIN	-	MEAN	-	CFSM	-	IN	-		
WAT YR 1965:	MAX	255	MIN	7	MEAN	37.6	CFSM	49	IN	6.66		

Note --Shifting-control method used Aug 3 to Sept 30

2-2480 Spruce Creek near Samsula, Fla

Location --Lat 29°03'01", long 81°02'49", in SE 1/4 sec 1, T 17 S, R 32 E, on right bank 25 ft downstream from bridge on State Highway 40A, 1 1/2 miles north of Samsula, Volusia County, 8 miles west of New Smyrna, and 10 miles upstream from Turnbull Bay

Drainage area --32 sq mi, approximately

Records available --May 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 6 25 ft above mean sea level, datum of 1929  
Prior to May 22, 1963, graphic water-stage recorder at site 50 ft upstream at same datum  
May 22, 1963, to Apr '6, 1965, graphic water-stage recorder at present site and datum

Average discharge --14 years, 33 l cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 17, 1961	a 397	b 12 85	June 20, 21, 1961	c 0 10	d 3 84
1962	Sept 24, 1962	193	4 65	Apr 23-25, May 17	0	e 2 18
1963	Sept 23, 1963	463	7 58	May 15-18, 1963	c 60	f 1 23
1964	Sept 10, 1964	1,610	14 05	June 13-16, 1964	1 0	1 22
1965	Aug 9, 1965	199	4 49	Several days	c 50	g 95

a Maximum peak discharge during year, maximum discharge, 434 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

c Minimum daily

d Occurred June 15, 1961

e Occurred Sept 17, 1962 (caused by dredging)

f Occurred June 22, 23, 1963

g Occurred May 20, 21, 1965

1951-65 Maximum discharge, 1,610 cfs Sept 10, 1964, maximum gage height, 15 49 ft Oct 8, 1953, no flow Apr 23-26, May 17, 1962, minimum gage height, 0 95 ft May 20, 21, 1965

Remarks --Records fair except those for period Apr 20 to Sept 30, 1962, and those below 10 cfs, which are poor. Some diversions for irrigation above station. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 1624 1958

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	343	9.4	.60	1.7	3.8	23	11	.20	.20	2.4	1.0	72
2	253	8.8	.60	1.3	3.5	22	9.7	.10	.20	2.0	.70	51
3	208	7.8	.70	1.0	8.3	20	8.6	.40	.20	2.0	1.1	35
4	170	7.0	.90	.90	16	19	7.5	.30	.70	2.0	1.0	25
5	138	6.3	.80	.80	16	18	6.3	.20	.20	3.1	.70	18
6	111	5.7	.70	.80	14	16	5.4	.20	.20	2.1	.60	13
7	96	5.0	.60	.70	39	14	8.8	.20	.20	1.6	.50	9.7
8	112	4.4	.60	.80	58	13	8.6	.70	.30	1.3	.50	7.3
9	118	4.2	.60	.90	49	12	9.0	.40	.30	1.1	.50	5.5
10	118	3.8	.60	.90	39	12	11	2.4	.30	1.6	.40	4.2
11	106	3.5	.60	.60	31	10	13	.90	.20	2.9	.40	3.4
12	93	3.1	.80	.80	24	9.4	15	.70	.20	2.5	.40	2.9
13	83	2.9	.60	1.3	19	9.4	15	.80	.20	2.1	.40	2.5
14	73	3.1	.60	2.4	16	11	13	.80	.20	1.7	.40	2.5
15	61	3.5	1.9	2.7	13	10	11	.60	.20	1.5	.40	2.4
16	52	3.1	3.3	2.7	11	6.3	8.8	.50	.20	1.3	.40	4.2
17	48	2.9	2.7	2.4	9.7	7.3	7.0	.40	.30	1.1	.40	338
18	44	2.7	2.4	2.1	8.6	11	5.9	.30	.20	1.0	1.1	282
19	38	2.6	2.2	1.8	19	36	4.4	.30	.20	1.3	2.2	217
20	33	2.3	1.5	1.7	26	44	3.3	.50	.10	1.4	1.4	170
21	28	2.1	1.7	1.4	25	40	2.4	1.4	.10	1.3	2.2	132
22	24	1.8	1.8	1.1	24	36	1.8	.90	.20	1.3	4.9	96
23	21	1.7	1.7	1.0	27	33	1.4	.30	.40	1.0	4.0	70
24	18	1.5	1.7	.90	34	30	.90	.30	.60	.90	3.5	52
25	16	1.4	1.5	.90	32	26	.80	.30	2.6	.80	5.7	38
26	14	1.3	1.4	1.0	30	24	.60	.30	.20	.60	13	28
27	12	1.1	1.3	1.1	27	20	.40	.30	4.1	.60	33	22
28	11	1.0	1.1	1.0	25	18	.30	.30	5.3	.60	32	17
29	9.7	.90	1.1	3.1	-----	15	.30	.20	3.6	.60	105	14
30	8.6	.80	1.0	4.0	-----	13	.20	.20	2.9	.60	138	13
31	8.3	-----	1.3	4.0	-----	12	-----	.20	-----	.60	101	-----
TOTAL	2,468.6	105.70	38.80	48.00	647.9	591.9	191.40	15.30	26.50	46.90	456.80	1,785.4
MEAN	79.6	3.52	1.25	1.55	23.1	19.1	6.38	.49	.88	1.45	14.7	50.5
MAX	343	9.4	3.3	4.0	58	44	15	2.4	5.3	3.1	138	338
MIN	8.3	.80	.60	.70	3.5	7.8	.20	.20	.10	.60	.40	2.4
CFSM	2.49	.11	.04	.05	.72	.60	.20	.02	.03	.05	.46	1.86
IN.	2.87	.12	.05	.06	.75	.69	.22	.02	.03	.05	.53	2.07
CAL YR 1960	TOTAL 22,037.60	MEAN 60.2	MAX 602	MIN 10	CFSM 1.88	IN 25.61						
YR 1961	TOTAL 6,421.20	MEAN 17.6	MAX 343	MIN 10	CFSM .55	IN 7.46						

2-2480 Spruce Creek near Samsula, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	4.3	2.4	1.3	.60	.30	.50	.20	1.0	.70	11	102
2	9.4	3.6	2.1	1.2	.60	.50	.40	.20	1.0	.70	10	90
3	7.8	2.9	1.9	1.0	.50	.40	.40	.60	.30	.70	13	75
4	6.1	2.6	1.7	1.0	.50	.30	.30	.40	.20	.70	17	60
5	5.2	3.9	1.6	.80	.50	.30	.30	.50	.20	.70	15	50
6	8.1	19	1.5	1.2	.40	.20	.40	.70	.30	.70	12	40
7	11	40	1.4	1.0	.40	.20	.50	.60	.30	.60	14	148
8	10	44	1.4	1.0	.40	.20	.40	.40	.30	1.4	19	139
9	1.4	38	1.2	1.0	.50	.20	.40	.30	.40	1.6	19	115
10	12	30	1.3	.80	.70	.20	.30	.20	.40	1.2	18	90
11	15	23	1.3	1.1	.60	.20	.20	.40	.30	1.2	15	60
12	27	18	1.2	1.9	.60	.30	.20	.60	.30	1.2	12	38
13	28	14	1.9	2.2	.60	.40	.20	.50	.40	1.4	9.1	31
14	26	12	2.0	2.3	.60	.30	.10	.10	.50	1.6	7.3	30
15	22	11	2.0	2.2	.50	.40	.10	.10	.60	1.6	6.1	26
16	18	8.8	1.9	2.0	.50	.50	.10	.10	.50	1.8	5.4	24
17	15	7.8	1.9	1.9	.60	.40	.10	.10	.50	3.7	4.5	23
18	12	6.5	1.7	1.6	.50	.40	.10	.10	.50	6.7	4.5	22
19	11	5.9	1.8	1.5	.60	.40	.10	.10	.50	9.3	8.1	25
20	9.1	5.2	2.1	1.4	.50	.30	.10	.20	.60	16	10	90
21	7 3	5.0	2.2	1.2	.50	.30	.10	.20	.50	20	12	108
22	6 1	4.5	2.1	1.2	.40	.20	.10	.20	.40	16	12	78
23	5.2	4.3	2.0	1.2	.40	.80	0	.20	.60	12	15	98
24	4.6	4.6	1.7	1.1	.40	.90	0	.10	.70	10	16	170
25	3.9	4.3	1.5	1.0	.40	.70	0	.10	.60	7.5	25	168
26	3.2	4.0	1.3	1.0	.40	.70	0	.10	.60	6.1	35	132
27	2.8	3.5	1.3	.90	.30	.50	.10	.10	.70	9.5	50	105
28	2.8	3.1	1.3	.80	.30	.50	.30	.20	.60	14	70	82
29	4.6	2.7	1.1	.80	-----	.50	.30	.20	.60	9.5	98	51
30	6.3	2.6	1.0	.70	-----	.40	.20	.30	.60	7.4	107	38
31	5 2	-----	1.1	.70	-----	.60	-----	.50	-----	15	107	-----
TOTAL	320.7	339 1	50.9	39.00	13.80	12.50	6.30	8.50	15.00	180.50	777.0	2,308
MEAN	10.6	11.3	1.64	1.26	.49	.40	.21	.27	.50	5.82	25.1	76.9
MAX	28	44	2.4	2.3	.70	.90	.50	.70	1.0	20	107	170
MIN	2.4	1.6	1.0	.70	.30	.20	0	0	.20	.60	4.5	22
CFSM	.33	.35	.05	.04	.02	.01	.007	.009	.02	.18	.78	2.40
IN.	.38	.39	.06	.05	.02	.01	.007	.01	.02	.21	.90	2.68
CAL YR 1961	TOTAL	4,526.80	MEAN	12.4	MAX	338	MIN	.10	CFSM	.39	IN	5.26
WAT YR 1962	TOTAL	4,079.30	MEAN	11.2	MAX	170	MIN	0	CFSM	.35	IN	4.74

Note --The channel was dredged upstream and downstream during the year and in the immediate vicinity of the gage during July and August

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	100	10	5.4	54	99	9.4	37	51	32	16	7.1
2	24	9.4	6.4	4.9	62	70	9.4	19	36	23	35	6.2
3	20	48	8.8	4.4	66	57	9.4	5 2	26	15	65	5.6
4	16	30	8.2	4.2	71	53	9.1	1.7	18	13	49	5.2
5	14	25	7 9	4.0	78	60	9.1	.90	12	13	36	4.6
6	13	21	7.6	4.9	71	53	10	.80	9.4	11	25	4.2
7	13	15	7.1	4.6	57	44	10	.80	6.8	14	18	3.8
8	12	13	6.5	4.6	46	33	10	.80	5.4	14	13	3.4
9	10	38	6.2	4.4	38	29	9.4	.70	4.4	18	12	3.0
10	9.4	56	6.2	4.2	33	34	9.4	.70	3.4	52	11	2.7
11	8 2	44	5.9	4.0	30	34	9.1	.70	1.8	54	8.5	2.4
12	7.1	39	5.6	4.0	294	33	8.8	.70	1.8	58	7.1	2.0
13	6.5	36	5.9	4.0	215	32	8.8	.70	1.7	42	7.6	1.7
14	5.6	29	6.2	4.2	155	33	8.2	.70	1.4	30	9.8	1.6
15	4.9	22	6.5	4.4	113	31	8.2	.60	1.2	41	12	1.5
16	5.4	19	5.9	4.2	80	30	7.9	.60	1.2	132	20	2.0
17	4.9	16	5 4	4.0	59	22	7.6	.60	1.2	259	22	3.0
18	4 4	14	4 9	4 0	56	17	7.6	.60	1.4	195	34	14
19	4 0	12	4.4	3.8	65	17	7.4	.70	1.4	133	43	26
20	3.4	12	4.2	12	68	16	7.1	.80	1.3	83	44	44
21	3.6	11	4.0	18	53	16	6.8	1.1	1.2	64	87	53
22	3.4	12	3 8	15	48	16	6.5	2.1	1.1	61	106	50
23	3 2	13	3.8	58	44	16	6.2	12	1.1	59	86	278
24	2.8	14	3.6	144	42	12	6.2	85	1.3	64	65	411
25	2.4	15	3.2	77	41	12	5.9	53	1.4	113	48	402
26	2.1	12	6.5	102	93	11	5.4	32	9.2	79	34	378
27	1 8	12	13	125	108	10	5.2	24	21	56	25	319
28	1.3	11	8.2	92	107	10	4.9	77	27	40	18	264
29	1 4	11	7.1	69	-----	9.8	4.6	10	53	30	13	212
30	1.2	10	6.5	58	-----	9.4	22	45	43	16	11	167
31	2.5	-----	5.9	52	-----	9.4	-----	50	-----	14	8.5	-----
TOTAL	462.0	774	198.4	904.2	2,247	952.6	250.0	435.50	346.1	1,828	989.5	2,678.0
MEAN	8.45	25.8	6.40	29.2	80.3	30.7	8.33	14 0	11.5	59.0	31.9	89.3
MAX	30	100	13	144	294	99	22	85	53	259	106	411
MIN	1 2	10	3.2	3.8	30	9.4	4.6	.60	1.1	11	7.1	1.5
CFSM	.26	.81	.20	.91	2.51	.96	.26	.44	.36	1.84	1.00	2.79
IN.	.30	.90	.23	1.05	2.61	1.11	.29	.51	.40	2.12	1.15	3.11
CAL YR 1962	TOTAL	4,595.00	MEAN	12.6	MAX	170	MIN	0	CFSM	.39	IN	5.34
WAT YR 1963	TOTAL	11,865.30	MEAN	32.5	MAX	411	MIN	.60	CFSM	1.02	IN	13.79

## 2-2480 Spruce Creek near Samsula, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	131	2 7	153	47	75	20	97	12	1.3	4.6	23	230
2	108	2.7	123	58	59	18	71	33	1.2	12	18	191
3	89	2.7	104	34	48	17	55	177	1.2	36	14	141
4	76	2.4	85	30	57	15	43	122	1.1	38	11	116
5	62	4.0	59	27	91	13	38	88	1.1	112	19	95
6	51	10	50	24	144	12	27	60	1.4	101	53	77
7	41	10	44	29	108	10	21	44	1.4	83	44	60
8	31	9.8	39	41	183	8.8	17	26	1.2	61	32	48
9	23	9.1	34	91	132	7.4	14	17	1.1	42	23	323
10	23	60	29	71	100	6.5	12	15	1.1	28	17	1,120
11	20	97	23	57	80	5.4	9.8	12	1.1	25	36	1,280
12	15	80	22	438	67	6.5	8.5	8.8	1.1	18	100	904
13	14	60	20	401	56	12	7.1	7.4	1.0	14	97	752
14	12	47	17	308	49	9.8	6.2	5.9	1.0	9.1	147	579
15	11	37	18	237	43	8.2	5.6	5.2	1.0	7.1	262	441
16	9.8	30	17	173	39	6.8	4.6	4.4	1.2	5.6	227	335
17	8.8	26	18	267	36	27	3.8	3.4	1.2	8.5	311	257
18	11	23	20	274	57	47	3.2	2.7	1.7	13	357	199
19	12	21	19	203	83	29	2.4	2.2	1.3	11	309	155
20	11	21	17	168	58	38	2.1	2.0	1.2	8.8	290	124
21	10	18	16	139	44	43	1 7	1.8	1.2	7.9	247	120
22	9 4	14	14	122	38	29	1.6	1.7	1.1	10	191	131
23	8.8	17	16	108	35	21	1.5	1.6	1.1	29	145	100
24	9.8	14	41	95	30	21	1 4	1 4	1.5	28	113	77
25	9.4	19	40	82	27	19	1.4	1.4	1.4	30	90	63
26	8.2	401	56	75	25	17	1.4	1.4	2.5	66	72	54
27	8.5	362	32	72	23	24	1.4	1.3	1.6	60	70	46
28	5.9	291	29	171	24	179	16	1.3	3.1	69	463	39
29	4.9	253	28	132	20	264	14	1.3	2.7	53	441	34
30	4.2	195	27	104	-----	183	10	1 3	3.6	37	369	28
31	3.0	-----	39	90	-----	133	-----	1 3	-----	28	297	-----
TOTAL	839.7	2,134.4	1,229	4,148	1,831	1,250.4	498.7	663.8	43 7	1,035.6	4,888	8,119
MEAN	27.1	71.1	39.6	134	63.1	40.3	16.6	21.4	1.46	33.4	158	271
MAX	131	401	153	438	183	264	97	177	3.6	112	463	1,280
MIN	3.0	2.4	14	24	20	5 4	1 4	1.3	1.0	4.6	11	28
CFSM	8.9	2.22	1 26	4.18	1.97	1 26	.52	.67	.05	1.06	4.93	8.46
IN	.98	2 40	1.43	4.82	2 13	1.45	.58	.77	.05	1.20	5.68	9.44
CAL YR 1963	TOTAL	14,834.00	MEAN	40.6	MAX	411	MIN	.60	CFSM	1.27	IN	17.24
WAT YR 1964	TOTAL	26,681.3	MEAN	72.9	MAX	1,280	MIN	1.0	CFSM	2.28	IN	31.01

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	6 5	5.1	6.3	4.3	24	28	1 1	.70	3.2	13	4.9
2	22	11	21	5.8	4.3	21	23	1.1	.50	3.5	11	4.5
3	19	10	4 5	5.3	5 6	20	19	1.0	.60	3.4	8.8	4.1
4	16	9.6	4.3	5.6	5.8	26	15	1.0	.70	3.0	9.1	3.7
5	14	9 0	1.4	5.3	5.6	26	12	.80	.70	2.6	9.7	3.5
6	14	8.4	27	5.1	6.5	72	9.6	1 0	.60	2.4	20	3.3
7	13	7.5	24	4.7	18	14	7 5	1.0	.70	2.5	35	2.9
8	13	6.8	20	4.3	27	15	6.3	.80	.80	2.9	32	3.3
9	21	6.1	18	3.9	24	13	5 3	.70	1.0	4.0	88	3.1
10	18	5.6	16	3 7	21	10	4.5	.70	1 0	4.8	134	3.1
11	15	5.1	21	3.5	18	9.3	3.5	.70	2.1	9.9	150	2.9
12	13	4.7	18	3.5	14	8.1	3.2	.70	1.5	9.7	98	3.1
13	13	4.3	16	3.3	12	10	2.9	.70	.70	7.7	67	3.1
14	60	4.1	14	3.3	11	24	2.6	.70	.60	18	51	3.1
15	122	3 9	13	6.8	11	24	2.4	.70	.70	30	41	3.1
16	100	3.7	11	14	10	20	2.2	.70	.80	29	33	3.1
17	69	3 7	9 9	13	9.3	16	1 9	.60	1.9	48	27	3.5
18	50	3.5	9.0	11	8 7	13	1.7	.60	13	36	21	3.7
19	33	3 3	8.1	9.9	7.8	12	1.5	.60	22	37	19	3.7
20	23	3 1	7 3	9.0	7 0	16	1.4	.50	12	41	19	3.7
21	21	3.1	6.8	7 8	6 3	22	1.4	.50	8.3	30	21	3.7
22	18	3.1	6.3	7.5	5.8	22	1.3	.60	3.1	24	19	3.9
23	15	3.3	5.6	7.0	9.3	19	1.4	.60	2.6	18	16	3.9
24	13	4 7	5 3	6.8	29	17	1.3	.60	2.4	13	13	3.9
25	11	5.1	4.9	7.5	58	18	1.3	.60	3.3	10	17	3.7
26	9 6	4.9	4.5	7 3	44	14	1 6	.50	3.9	21	16	4.1
27	9.0	4.5	5.8	6.3	36	11	1.5	.60	3.7	23	14	4.1
28	8.1	4.5	7.8	5.6	29	10	1.6	.60	3.4	12	12	4.3
29	7.5	4.7	7.5	4.9	-----	17	1.3	.70	3.2	11	10	4.3
30	7.0	5.3	7.0	4.7	-----	34	1.2	.60	3.0	13	8.1	4.9
31	6 5	-----	6.5	4.7	-----	34	-----	.50	-----	12	6.1	-----
TOTAL	797.7	163.1	331.1	197.4	448.5	566.4	167.4	22.10	99.50	485.6	1,038.8	110.2
MEAN	25.7	5.44	10.7	6.37	16.0	18.3	5.58	.71	3.32	15.7	33.5	3.67
MAX	122	11	27	14	58	34	28	1.1	1.2	48	150	4.9
MIN	6.5	3 1	4.3	3 3	4.3	8.1	1.2	.50	.50	2.4	6.1	2.9
CFSM	.80	.17	.33	.20	.50	.57	.17	.02	.10	.49	1.05	.11
IN	.93	.19	.38	.23	.52	.66	.19	.03	.12	.56	1.21	.13
CAL YR 1964	TOTAL	23,770.1	MEAN	64.9	MAX	1,280	MIN	1.0	CFSM	2.03	IN	27.63
WAT YR 1965	TOTAL	4,427.80	MEAN	12.1	MAX	150	MIN	.50	CFSM	.38	IN	5.15



2-2495 Crane Creek at Melbourne, Fla

Location --Lat 28°04'42", long 80°37'48", in sec 4, T 28 S, R 37 E, on right bank 24 ft upstream from bridge on U S Highway 192, 1½ miles west of the city hall in Melbourne, Brevard County, and 2½ miles upstream from Indian River

Drainage area --12 6 sq mi

Records available --March 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 4 45 ft above mean sea level, datum of 1929 Prior to May 13, 1965, graphic water-stage recorder at same site and datum

Average discharge --14 years, 15 5 cfs (11,220 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 17, 1961	193	6 88	May 9, 1961	4 7	a 2 61
1962	Sept 19, 1962	291	7 44	May 10, 11, 1962	2 4	b 2 31
1963	Sept 24, 1963	321	7 92	Apr 28, 1963	4 6	c 2 37
1964	Aug 27, 1964	610	8 764	May 10, 1964	7 0	d 2 36
1965	July 14, 1965	87	5 42	May 17, 1965	4 8	d 2 46

a Occurred Mar 12, May 9, 1961. b Occurred Nov 2, 1961 c Occurred Dec 5, 6, 30, 1962, Jan, 5, 8, 9, 1963 d Occurred Apr 19, 20, 1965

1951-65 Maximum discharge, 665 cfs (revised) Oct 16, 1956 (gage height, 9 98 ft), from rating curve extended above 320 cfs on basis of velocity-area studies, minimum, 1 80 cfs June 25, 26, 27, 28, 1951, minimum gage height, 2 31 ft Nov 2, 1961

Revision --The maximum discharge for the water year 1957 has been revised to 665 cfs Oct 16, 1956 (gage height, 9 98 ft), superseding figure published in WSP 1504

Remarks --Records fair except those for periods of shifting control and those after Oct 1, 1961, which are poor

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	106	21	8.9	6.7	8.0	7.1	7.4	5.6	12	32	11	13
2	76	18	9.1	7.1	8.0	7.1	6.7	5.2	11	24	11	13
3	64	16	8.7	7.1	7.9	6.6	6.6	5.7	9.2	20	10	12
4	57	15	8.6	7.2	8.6	6.6	6.7	6.6	9.2	41	9.4	11
5	52	14	8.0	7.9	9.1	6.6	6.7	5.4	9.4	35	8 8	9.9
6	48	13	8.0	7.9	8.7	6.6	6.7	5.6	8.8	29	7.9	9.0
7	45	13	8.0	7.2	8.6	6.4	7.7	5.4	11	21	7.3	8.4
8	50	12	7.7	6.9	8.9	6.6	8.0	5.6	11	15	7.5	7.5
9	73	12	7.9	6.9	8.9	6.4	13	4.8	11	13	7.7	8.6
10	74	11	7.5	7.1	8.7	6.3	14	5.6	12	19	8.8	8.4
11	61	11	7.5	7.2	8 2	6.3	11	5 6	13	76	8.2	8.6
12	54	11	7.5	6.2	7.7	6.0	10	5.7	13	57	12	7.5
13	50	11	7.4	26	7.5	6 7	9.4	6.0	12	45	12	7.1
14	46	11	7.4	32	7.5	7.2	8.9	6.6	11	35	12	7.5
15	44	11	7.2	23	7.2	7.5	7.9	6.0	9.6	27	12	8.1
16	41	11	7.4	17	7.1	7.2	8.4	5.3	9.2	22	12	7.5
17	39	11	7.7	14	7.4	6.4	8.4	5.6	9.0	17	19	127
18	36	11	7.4	12	7.5	6.6	7.1	5.6	10	18	24	122
19	35	10	7.4	11	6.9	8.0	7.1	5.8	10	40	31	88
20	33	10	6.9	10	6.7	9.8	6.6	6.0	9.6	84	22	68
21	31	9.2	6.9	10	6.6	9.8	6.3	6.0	11	68	20	55
22	28	9.1	7.2	9.6	6.6	8.7	6.3	6.1	11	53	17	43
23	25	9.4	7.1	9.8	6 6	8.0	8.0	6.3	11	41	17	35
24	23	8.9	6.9	10	6.4	7.1	7.7	6.6	11	32	15	29
25	21	8.9	7.4	9.4	6.7	6.9	6.6	6.4	20	24	14	25
26	20	8.9	7.2	9.2	6.7	6.4	5.8	19	42	20	14	21
27	19	9.1	7.2	9.2	6.7	6.3	6.1	15	54	16	14	18
28	18	9 2	6.7	9.4	6.7	6.1	5.4	9.9	73	15	15	16
29	16	9.6	6.6	9.1	-----	6.4	9.3	14	53	14	25	14
30	15	9.6	6.6	8.4	-----	6.4	5.2	24	43	13	20	14
31	20	-----	6.9	8.0	-----	7.1	-----	17	-----	13	16	-----
TOTAL	1,320	344.9	232.9	334.5	212.1	217.2	231.0	244.0	540.0	979	440.6	822.1
MEAN	42.6	11.5	7.51	10.8	7.58	7.01	7.70	7.87	18.0	31.6	14.2	27.4
MAX	106	21	9.1	32	9.1	9.8	14	24	73	84	31	127
MIN	15	8.9	6.6	6.7	6.4	6.0	5.2	4.8	8.8	13	7.3	7.1
CFSM	3.38	.91	.60	.86	.60	.56	.61	.62	1.43	2.51	1.13	2.17
IN.	3.90	1.02	.69	.99	.63	.64	.68	.72	1.59	2.89	1.30	2.43

CAL YR 1960 TOTAL 9,578.8 MEAN 26.2 MAX 182 MIN 6.6 CFSM 2.08 IN 29.27  
 MAY YR 1961 TOTAL 5,188.3 MEAN 16.2 MAX 127 MIN 4.8 CFSM 1.29 IN 29.27

Note --Shifting-Control method used Nov 3 to Jan 13, Feb 8 to Apr 9, Apr 12 to May 26, July 21 to Aug 27

## 2-2495 Crane Creek at Melbourne, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	7.5	6.4	6.5	5.4	4.4	6.2	3.0	5.4	6.0	10	23
2	13	6.7	6.4	6.2	5.0	4.4	7.2	3.4	5.6	6.7	12	17
3	12	7.0	6.0	6.1	4.8	4.2	6.2	3.1	5.8	6.0	10	15
4	11	6.8	6.0	6.4	4.6	4.3	5.7	4.0	6.5	5.2	14	25
5	11	7.5	6.4	6.2	4.4	5.0	5.2	3.9	7.3	5.8	20	27
6	10	8.6	6.8	6.4	4.8	5.4	6.4	4.0	6.1	6.3	43	22
7	9.4	8.1	6.2	6.5	4.6	5.9	6.7	3.8	6.0	6.3	48	24
8	9.2	7.6	6.7	6.4	4.7	6.1	6.6	3.4	4.9	7.3	51	46
9	9.2	7.3	6.7	6.8	4.7	5.4	9.5	3.2	4.6	16	37	30
10	8.6	7.0	6.7	6.7	5.1	5.1	7.7	2.6	4.9	13	30	24
11	9.0	6.4	6.5	6.7	6.1	5.4	5.8	2.6	5.2	9.4	24	18
12	9.7	6.5	6.5	6.4	5.4	5.4	5.0	5.6	5.8	7.1	19	14
13	9.7	7.0	6.1	6.8	4.6	5.9	4.2	5.0	6.0	6.3	15	15
14	9.0	7.0	7.5	7.0	5.0	6.2	4.3	4.9	6.0	6.3	21	15
15	8.6	7.0	7.7	6.2	5.0	5.2	4.7	3.8	5.2	6.0	38	15
16	8.3	6.5	6.7	5.9	5.4	7.2	3.5	3.9	5.8	6.0	76	14
17	8.3	6.2	6.2	6.5	5.7	5.4	3.6	3.6	8.3	6.5	93	12
18	8.1	6.0	5.9	5.4	5.7	5.1	3.9	3.8	5.8	22	89	12
19	7.9	6.4	5.9	5.1	4.8	5.0	3.4	5.0	5.6	29	92	63
20	8.1	6.8	5.9	5.1	4.8	4.7	3.9	3.4	6.7	38	88	177
21	8.5	7.9	6.8	5.0	4.8	5.9	4.0	3.2	7.1	23	58	123
22	9.4	8.1	6.2	5.0	4.7	7.4	3.6	5.4	7.1	20	41	92
23	9.9	7.9	5.8	5.2	5.1	11	3.5	4.3	7.3	20	36	116
24	9.5	8.1	5.5	5.1	5.1	10	4.0	3.9	6.7	14	105	117
25	8.8	7.8	5.9	4.8	4.7	8.4	3.5	3.5	7.9	13	51	68
26	8.8	7.3	6.4	5.0	4.8	8.4	4.0	3.9	6.7	11	46	47
27	7.9	6.7	7.0	4.6	4.4	6.7	3.9	4.4	6.1	9.0	39	35
28	7.5	7.0	6.7	4.4	4.3	6.4	2.9	3.8	5.6	10	42	28
29	7.9	6.7	5.8	4.3	-----	6.2	3.4	4.9	5.4	8.1	35	23
30	7.9	6.4	5.8	4.8	-----	6.2	2.9	4.9	5.8	8.3	27	22
31	8.1	-----	6.1	4.6	-----	6.2	-----	5.0	-----	9.8	31	-----
TOTAL	287.5	213.8	197.2	179.1	138.6	188.5	146.8	123.2	183.2	361.4	1,341	1,279
MEAN	9.27	7.13	6.36	5.78	4.95	6.08	4.89	3.97	6.11	11.7	43.3	42.6
MAX	13	8.6	7.7	7.4	6.1	11	9.5	5.6	8.3	38	105	177
MIN	7.5	6.0	5.5	4.3	4.3	4.1	2.9	2.6	4.6	5.2	10	12
CFSM	.74	.57	.50	.46	.39	.48	.39	.32	.48	.93	3.43	3.38
IN-	.85	.63	.58	.53	.41	.56	.43	.36	.54	1.07	3.96	3.78
CAL YR 1961	TOTAL	4,718.8	MEAN	12.9	MAX	127	MIN	4.8	CFSM	1.03	IN	13.93
WAT YR 1962	TOTAL	4,639.1	MEAN	12.7	MAX	177	MIN	2.6	CFSM	1.01	IN	13.69

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	8.2	8.2	6.8	7.0	30	10	8.4	9.4	16	7.4	12
2	19	9.6	7.6	6.8	7.4	29	9.8	8.4	15	15	6.7	10
3	17	3.8	8.0	6.8	7.8	26	9.4	9.8	10	14	7.2	9.6
4	16	9.0	8.4	6.8	8.6	24	9.2	8.6	8.6	13	6.8	9.6
5	15	8.8	7.6	6.8	9.0	23	9.0	8.0	8.6	12	7.2	10
6	14	8.4	7.6	6.8	8.8	22	9.0	7.6	8.4	12	5.9	12
7	13	8.0	8.4	6.8	8.2	20	9.2	8.0	8.0	12	5.5	11
8	13	7.4	7.8	6.8	8.2	19	8.4	7.8	7.8	11	5.1	11
9	12	16	8.4	6.7	8.2	20	8.0	7.7	7.8	13	5.5	9.8
10	12	12	7.8	6.8	8.2	27	7.8	7.6	7.8	14	5.3	9.2
11	12	11	8.0	6.7	8.6	24	7.6	8.4	7.6	13	6.5	9.0
12	13	11	8.6	6.7	53	20	7.0	8.2	7.6	16	6.5	15
13	12	11	8.8	6.8	36	19	6.8	7.8	7.4	16	6.8	14
14	12	10	9.0	7.2	30	18	6.5	7.0	7.4	14	8.2	13
15	11	10	9.4	7.2	26	18	6.1	6.7	8.8	13	7.0	11
16	11	9.4	9.4	7.4	23	17	5.5	6.3	9.4	12	8.4	11
17	11	1.6	9.4	7.2	24	16	5.7	5.9	9.4	11	9.0	18
18	10	8.2	9.2	7.2	22	15	5.5	5.7	9.6	10	7.6	11
19	9.6	8.2	8.2	7.0	27	14	5.1	5.7	8.4	9.6	7.6	40
20	9.4	8.8	7.8	6.7	26	14	5.1	5.3	7.8	9.6	9.2	204
21	9.6	9.2	7.6	7.4	23	13	5.9	5.7	8.0	10	16	102
22	11	1.0	7.4	6.5	21	12	6.1	5.7	8.0	8.2	29	90
23	10	8.8	7.2	6.5	20	13	6.1	8.4	8.2	9.0	16	159
24	10	4.8	7.2	6.5	19	13	5.7	8.4	8.4	12	14	221
25	9.8	8.0	7.2	6.5	18	13	7.2	8.0	9.4	13	12	196
26	9.2	8.2	7.2	7.6	36	13	8.0	7.8	14	9.4	11	110
27	8.6	8.2	7.6	7.8	42	13	7.0	7.6	21	8.2	9.8	71
28	8.4	9.0	7.8	7.4	33	13	5.1	7.4	38	8.4	9.4	54
29	8.0	8.6	7.2	7.2	-----	12	5.0	8.6	35	8.0	9.6	46
30	8.0	8.2	7.0	7.2	-----	12	7.0	19	7.0	7.0	8.4	38
31	8.2	-----	7.0	7.0	-----	11	-----	10	-----	7.0	9.2	-----
TOTAL	363.8	280.4	248.0	215.6	569.0	593	213.8	238.0	338.8	356.4	283.8	1,537.2
MEAN	11.7	9.35	8.00	6.95	20.3	17.8	7.13	7.68	11.3	11.5	9.15	51.2
MAX	21	16	9.4	7.8	53	30	10	12	38	16	29	221
MIN	8.0	8.0	7.0	6.5	7.0	11	5.0	5.3	7.4	7.0	5.1	9.0
CFSM	.93	.74	.63	.55	1.61	1.42	.57	.61	.90	.91	.73	4.07
IN-	1.07	.83	.73	.64	1.68	1.63	.63	.70	1.00	1.05	.84	4.54
CAL YR 1962	TOTAL	4,833.0	MEAN	13.2	MAX	177	MIN	5.0	CFSM	1.06	IN	14.27
WAT YR 1963	TOTAL	5,197.8	MEAN	14.2	MAX	221	MIN	2.6	CFSM	1.13	IN	15.34

## 2-2495 Crane Creek at Melbourne, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	33	11	28	24	16	14	14	15	10	8.6	9.2	89	
2	37	11	27	23	15	14	14	14	9.4	8.2	9.0	85	
3	35	10	25	21	15	14	12	12	12	8.0	9.8	64	
4	30	10	22	20	24	14	12	10	15	7.6	8.4	59	
5	26	11	21	19	40	14	11	9.0	13	8.6	8.2	55	
6	23	14	20	18	44	12	11	8.4	11	8.4	8.2	48	
7	22	13	19	22	31	11	11	8.2	10	8.4	8.6	44	
8	24	11	20	24	40	11	11	7.8	10	8.2	9.8	41	
9	30	11	19	22	31	11	10	7.4	9.8	8.2	10	48	
10	27	69	19	21	26	10	10	7.2	9.6	8.2	14	89	
11	23	57	18	50	24	10	10	7.8	9.4	8.4	27	83	
12	21	40	18	32	22	9.8	11	8.0	9.0	9.0	26	65	
13	19	31	17	27	27	9.8	10	7.8	8.6	8.8	18	68	
14	17	26	17	18	18	9.6	9.6	10	8.4	7.8	16	56	
15	17	22	17	25	17	11	10	10	8.2	7.6	15	49	
16	18	20	16	25	16	11	10	9.8	8.0	7.6	12	74	
17	18	21	18	21	15	11	10	9.4	8.2	10	14	58	
18	17	21	23	17	10	11	11	8.8	9.6	9.2	14	49	
19	15	16	19	27	19	11	11	10	9.6	7.8	14	45	
20	14	15	19	21	17	11	9.2	8.6	9.4	7.4	15	42	
21	13	14	18	20	16	11	8.8	9.0	9.2	7.8	35	40	
22	13	14	17	19	15	11	8.8	10	9.2	8.4	33	36	
23	13	13	19	18	15	11	8.8	9.6	8.8	17	21	34	
24	13	13	29	18	14	12	10	8.8	8.6	13	19	32	
25	12	68	27	18	13	12	11	9.6	9.0	16	18	31	
26	12	110	26	18	13	12	11	9.2	9.0	16	20	29	
27	12	60	23	18	13	12	11	8.6	8.6	14	124	28	
28	12	44	20	19	15	23	11	9.0	8.0	13	218	26	
29	10	10	10	18	15	13	10	9.8	8.6	12	139	27	
30	11	33	16	18	---	17	8.8	10	8.6	13	133	28	
31	11	---	21	16	---	15	---	10	---	11	84	---	
TOTAL	598	842	637	669	596	388.2	318.0	292.4	285.0	306.8	1,209.2	1,522	
MIN	19.5	29.1	20.5	21.6	12.5	10.6	9.43	9.0	8.0	9.0	30.0	50.7	
MAX	57	110	29	52	44	23	14	15	15	17	318	89	
MIN	11	10	16	16	13	9.6	8.8	7.2	8.0	7.4	8.2	26	
CFSM	1.53	2.23	1.63	1.71	1.63	.99	.84	.75	.75	.79	3.10	4.03	
IN.	1.77	2.49	1.88	1.97	1.76	1.15	.94	.86	.84	.91	3.57	4.49	
CAL YR	1964	TOTAL	6,382.6	MEAN	17.5	MAX	221	MIN	5.0	CFSM	1.39	IN	18.84
WAT YR	1963	TOTAL	7,663.0	MEAN	20.9	MAX	318	MIN	7.2	CFSM	1.66	IN	22.62

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	26	16	12	7.8	12	11	15	5.0	7.4	18	13	6.7
2	24	16	12	7.0	14	11	14	5.0	6.7	17	14	7.6
3	20	15	11	7.0	13	12	13	5.7	5.5	16	14	7.2
4	26	15	17	7.6	13	11	11	6.3	5.5	15	13	7.2
5	25	16	15	7.8	13	10	10	6.5	5.9	15	11	6.7
6	24	16	14	7.6	13	9.8	10	5.9	5.5	15	11	8.4
7	22	16	13	7.4	12	11	9.6	5.7	5.5	13	11	7.6
8	26	15	13	10	12	10	9.2	5.4	6.3	13	10	8.0
9	25	14	12	9.0	12	9.8	9.2	5.7	7.4	12	18	8.4
10	22	14	12	8.8	12	10	9.0	5.0	7.2	13	18	8.6
11	23	14	12	8.0	11	9.2	8.4	5.7	19	13	21	7.2
12	44	15	11	7.4	9.6	8.4	8.6	6.1	35	17	16	6.8
13	5.6	15	9.0	7.6	9.4	8.6	8.6	6.9	28	13	33	6.7
14	41	15	8.6	7.6	10	9.0	7.8	5.9	26	52	12	7.0
15	42	14	8.2	7.4	13	9.4	8.2	5.4	27	54	11	7.4
16	35	17	8.2	7.8	15	9.4	8.4	5.0	33	35	10	8.0
17	31	16	7.6	7.6	15	8.6	8.2	5.5	27	31	10	10
18	29	15	7.4	7.4	15	8.6	7.2	8.8	31	26	9.2	11
19	26	15	7.0	8.2	14	9.0	6.7	9.6	30	24	9.2	10
20	24	14	6.8	8.6	13	9.0	6.3	9.6	26	21	13	9.6
21	23	13	6.7	8.8	13	8.2	7.0	9.4	22	19	10	9.2
22	22	13	7.0	9.4	13	8.4	7.8	8.8	19	17	8.2	9.0
23	21	13	6.8	9.4	19	3.4	7.4	8.2	18	17	7.6	9.2
24	20	14	6.7	8.4	19	8.2	7.2	7.4	16	16	7.2	9.4
25	18	15	6.7	8.6	17	8.0	7.4	7.4	32	16	7.2	9.4
26	19	13	7.4	8.2	13	7.8	7.4	7.6	44	17	7.0	9.0
27	18	12	6.8	8.4	12	8.4	7.2	7.2	26	17	7.6	9.0
28	17	11	6.1	9.2	12	28	6.5	7.4	23	16	8.0	9.2
29	17	11	9.6	-----	-----	2.2	5.9	7.2	21	15	7.8	10
30	17	14	7.2	11	-----	5.4	7.0	19	15	7.8	11	-----
31	16	-----	7.8	13	-----	15	-----	6.5	-----	14	7.8	-----
TOTAL	801	438	292.5	261.6	369.0	332.0	257.6	207.5	584.9	632	344.6	254.7
WAT YR	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
MAX	54	17	17	13	19	28	15	9.6	44	54	21	8.9
MIN	1.05	11	6.1	7.0	9.4	7.8	5.4	5.0	5.5	12	7.0	6.7
CFSM	2.06	1.16	.75	.67	1.05	.85	.68	.53	1.55	1.62	.89	.67
IN.	2.36	1.29	.86	.77	1.09	.98	.76	.61	1.73	1.87	1.02	.75
CAL YR	1965	TOTAL	7.118-1	19.4	318	6-1	1.54	21-01	1.04	14-10	11-11	8-49
WAT YR	1965	TOTAL	4.775-4	13.1	54	5.0	1.04	14-10				

## 2-2500 Turkey Creek near Palm Bay, Fla

Location --Lat 28°00'46", long 80°36'28", in SE $\frac{1}{4}$  sec 27, T 28 S, R 37 E, on left bank 500 ft upstream from power line crossing, 2.2 miles southwest of Palm Bay, Brevard County, 2.6 miles upstream from Indian River, and 4 $\frac{1}{2}$  miles south of Melbourne

Drainage area --95.5 sq mi

Records available --October 1954 to December 1955 (discharge measurements only), January 1956 to September 1965

Gage --Water-stage recorder Datum of gage is 1.03 ft below mean sea level, datum of 1929. Prior to Jan 11, 1956, staff gage at same site and datum. Since Oct 1, 1956, water-stage recorder for station on Indian River at Wabasso (station 2-2518) is used as an auxiliary gage for this station

Average discharge --9 years, 135 cfs (97,740 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 15, 1961	a 280	b 10.56	Many days	c 16	d 1.83
1962	Sept 23, 1962	1,310	9.87	May 27, 28, 1962	c 15	e 1.94
1963	Sept 25, 1963	1,240	9.65	Many days	c 24	f 2.16
1964	Aug 30, 1964	1,170	9.84	Apr 20, 1964	17	1.91
1965	Oct 13, 1964	423	6.63	May 28, 1965	c 18	g 2.07

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 1,550 cfs Oct 1, 1960, occurred on recession following peak of Sept 23, 1960 b Occurred Oct 1, 1960  
c Minimum daily d Occurred June 21, 1961 e Occurred Apr 20, 21, 1962 f Occurred Apr 29, 30, 1963 g Occurred May 17, 1965

1956-65 Maximum discharge, 2,790 cfs Oct 16, 1956 (gage height, 13.73 ft, from floodmark), minimum daily, 15 cfs May 27, 28, 1962, minimum gage height, 1.77 ft July 16, 1958

Remarks --Records fair except those below 200 cfs and those for periods of doubtful or no gage-height record, which are poor. An undetermined amount of water is diverted into the St Johns River by pumps in the Melbourne-Tillman drainage district

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,520	179	39	43	52	39	34	35	32	93	40	85
2	1,420	168	38	43	49	39	36	32	28	77	41	72
3	1,340	136	40	43	50	39	31	36	26	70	41	64
4	1,250	122	42	41	50	38	26	42	25	104	46	51
5	1,180	112	44	41	55	38	23	52	24	116	44	43
6	1,130	104	42	41	57	38	25	29	22	102	41	38
7	1,170	96	41	40	57	38	28	29	25	91	40	36
8	1,170	90	42	40	65	37	47	28	28	86	41	34
9	1,120	84	41	40	65	37	61	27	27	83	36	31
10	1,100	80	42	45	58	36	192	30	26	78	33	27
11	1,030	75	44	45	55	36	150	35	30	154	32	28
12	943	72	41	47	53	36	109	29	30	213	27	25
13	853	72	37	50	50	40	97	27	10	185	25	23
14	742	70	39	110	47	45	78	25	30	156	26	24
15	625	70	45	220	44	48	67	25	29	132	35	25
16	507	70	46	190	42	45	57	26	27	112	39	30
17	428	72	46	130	44	38	53	26	22	99	44	66
18	372	70	47	96	46	41	49	25	16	86	42	124
19	328	68	47	82	44	50	43	26	17	98	48	136
20	286	65	47	70	44	64	36	23	18	156	49	126
21	252	62	47	62	44	68	34	22	25	161	44	108
22	249	62	47	56	42	69	35	20	20	139	38	91
23	210	59	46	56	42	56	36	19	20	121	37	77
24	192	55	46	56	40	47	46	16	25	102	34	67
25	166	54	46	56	39	40	43	20	30	89	33	59
26	138	52	46	55	37	36	35	37	62	74	41	52
27	136	55	45	54	39	36	37	83	86	65	41	47
28	123	53	45	54	39	35	33	66	118	66	44	43
29	110	55	45	54	-----	34	32	45	178	62	76	40
30	106	49	45	54	-----	32	31	40	114	53	98	40
31	116	-----	43	53	-----	32	-----	34	-----	45	104	-----
TOTAL	20,314	2,431	1,351	2,067	1,349	1,303	1,564	969	1,140	3,268	1,360	1,712
MEAN	655	81.0	43.6	66.7	43.2	42.0	52.1	31.9	38.0	105	43.9	54.1
MAX	1,520	179	47	220	65	68	152	83	128	213	104	136
MIN	106	49	37	40	37	32	23	16	16	45	25	23
AC-FT	40,290	4,820	2,680	4,100	2,680	2,580	3,100	1,960	2,260	6,480	2,700	3,400

CAL YR 1960 TOTAL 107,756 MEAN 294 MAX 1,580 MIN 28 AC-FT 213,700  
WAT YR 1961 TOTAL 38,848 MEAN 106 MAX 1,520 MIN 16 AC-FT 77,050

Note --No gage-height Dec 19 to Jan 31

## 2-2500 Turkey Creek near Palm Bay, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	35	42	32	30	27	26	27	20	16	54	94	326
2	35	40	32	31	26	30	34	19	18	55	114	297
3	33	39	29	29	26	32	33	20	23	49	112	283
4	31	37	32	29	26	30	31	20	25	40	96	253
5	28	38	31	30	27	32	27	20	27	33	144	232
6	37	49	33	30	28	32	27	23	24	29	363	215
7	46	55	29	33	25	31	27	24	23	25	369	277
8	42	52	27	33	27	30	31	21	22	24	328	375
9	35	43	31	32	28	30	34	20	22	45	272	323
10	30	43	30	32	32	32	32	19	26	150	218	243
11	35	40	30	31	20	33	28	20	28	194	194	194
12	42	40	31	31	28	32	25	20	29	196	180	152
13	41	39	32	33	28	36	24	20	28	157	142	155
14	46	39	32	34	28	35	25	18	30	122	123	177
15	60	37	30	34	27	33	21	18	33	103	168	245
16	70	35	31	35	27	41	22	18	34	87	314	198
17	66	32	31	33	27	42	19	19	33	72	260	151
18	54	28	31	32	28	38	17	21	32	74	297	127
19	42	28	33	31	28	30	17	21	30	146	483	126
20	42	25	34	30	29	27	17	18	26	330	698	816
21	35	19	33	31	27	25	17	17	26	289	588	990
22	35	28	33	30	26	27	17	18	30	208	441	883
23	31	31	32	29	26	47	17	18	44	155	375	999
24	31	30	29	28	26	58	17	18	43	129	321	1,180
25	28	30	27	29	29	50	18	16	39	109	298	999
26	27	32	29	28	28	51	19	16	38	94	343	842
27	31	29	33	28	27	54	23	15	38	80	412	706
28	37	30	35	28	26	43	23	15	44	84	424	572
29	44	27	33	25	-----	35	22	17	53	82	375	424
30	48	25	31	26	-----	32	21	17	53	74	321	316
31	43	-----	30	27	-----	30	-----	17	-----	76	321	-----
TOTAL	1,240	1,063	966	942	757	1,102	712	583	937	3,365	9,208	13,076
MEAN	40.0	35.4	31.2	30.4	27.0	35.5	23.7	18.8	31.2	109	297	436
MAX	70	55	35	35	32	58	34	24	53	330	698	1,180
MIN	27	19	27	25	20	25	17	15	16	24	94	126
AC-FT	2,460	2,110	1,920	1,870	1,500	2,190	1,410	1,160	1,860	6,670	18,260	25,940

CAL YR 1961 TOTAL 18,021 MEAN 49.4 MAX 72.0 MIN 16 AC-FT 35,740  
 MAY 1962 TOTAL 33,951 MEAN 93.0 MAX 1,180 MIN 15 AC-FT 87,340

Note --Doubtful or no gage-height record at auxiliary gage Feb 20 to May 29

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	267	34	38	30	44	261	40	29	116	182	41	71
2	250	36	25	32	41	227	39	32	103	134	43	63
3	220	36	25	30	39	209	38	32	88	108	45	60
4	224	36	30	24	46	190	37	35	74	95	44	59
5	216	35	32	34	55	159	37	31	65	85	42	56
6	194	33	24	36	61	132	36	30	62	72	40	60
7	173	36	30	32	60	116	41	28	56	62	37	62
8	156	38	38	26	56	103	41	27	48	55	37	62
9	140	82	34	31	52	94	38	28	42	51	38	51
10	127	114	28	35	49	174	36	27	39	50	40	47
11	112	107	39	36	45	197	36	27	36	50	40	48
12	100	98	41	36	128	158	35	27	34	64	42	47
13	90	90	35	36	288	132	34	28	32	71	44	47
14	83	76	43	34	222	117	31	27	31	74	45	45
15	76	75	44	37	178	107	32	27	30	76	42	42
16	68	68	42	41	148	96	32	26	29	90	44	42
17	57	63	41	42	154	86	31	25	30	102	43	48
18	59	59	40	39	147	78	30	25	34	100	39	50
19	49	56	38	38	139	70	30	24	32	87	38	76
20	50	53	37	37	182	65	30	24	30	74	38	753
21	51	51	37	45	164	61	30	27	28	66	57	796
22	56	49	36	59	138	57	32	36	28	60	266	703
23	58	54	36	55	115	53	32	36	28	56	321	650
24	50	56	46	52	97	49	31	38	31	54	263	822
25	48	55	37	48	87	46	30	42	31	52	211	1,170
26	43	43	37	48	113	44	30	40	33	48	173	1,030
27	44	39	37	53	397	43	32	38	51	45	920	141
28	45	37	36	57	347	42	30	42	168	43	121	830
29	43	43	37	53	-----	43	28	42	323	41	107	740
30	42	43	31	49	-----	42	27	64	258	40	93	648
31	41	-----	29	46	-----	42	-----	115	-----	40	80	-----
TOTAL	3,230	1,695	1,094	1,251	3,592	3,293	1,006	1,078	1,990	2,227	2,655	10,098
MEAN	104	56.5	35.4	40.4	128	106	33.5	34.8	66.3	71.8	85.6	337
MAX	267	114	44	59	397	261	41	115	323	182	321	1,170
MIN	41	33	24	24	39	42	27	24	28	40	37	42
AC-FT	6,410	3,360	2,170	2,480	7,120	6,530	2,000	2,140	3,950	4,420	5,270	20,030

CAL YR 1962 TOTAL 36,700 MEAN 101 MAX 1,180 MIN 15 AC-FT 72,790  
 MAY 1963 TOTAL 33,208 MEAN 91.0 MAX 1,170 MIN 24 AC-FT 65,870

Note -- No gage-height record Nov 10 to Dec 10, Dec 13 to Jan 20

## 2-2500 Turkey Creek near Palm Bay, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	546	65	132	191	88	94	48	38	26	36	30	900	
2	486	61	115	175	85	94	41	58	30	36	29	858	
3	538	56	103	149	40	86	38	62	54	35	28	844	
4	423	58	96	131	142	76	37	51	205	34	26	814	
5	311	60	92	116	438	62	33	41	156	37	25	760	
6	240	74	86	105	700	70	36	44	145	37	28	643	
7	207	76	80	122	573	70	32	40	125	37	34	541	
8	191	71	80	211	486	66	31	37	97	36	36	464	
9	195	65	75	195	435	62	32	35	80	33	40	416	
10	197	244	70	163	343	58	32	34	69	31	56	573	
11	182	729	67	140	280	54	31	32	60	30	72	643	
12	164	612	64	239	245	52	33	30	52	32	104	502	
13	149	452	63	471	199	50	31	32	47	32	104	602	
14	137	223	62	368	171	47	28	44	44	30	88	693	
15	130	255	66	250	153	45	31	67	40	27	72	680	
16	174	217	68	230	141	44	29	66	36	26	62	726	
17	233	189	73	180	135	46	26	57	34	26	56	646	
18	213	166	96	191	124	45	24	47	34	30	50	541	
19	185	147	103	169	137	41	24	42	34	28	47	438	
20	160	131	96	156	137	38	19	38	33	27	45	362	
21	138	119	92	145	116	39	19	35	31	27	47	281	
22	124	110	84	133	105	38	32	34	30	26	49	256	
23	104	105	79	127	102	38	25	33	29	28	47	227	
24	106	98	113	118	96	35	24	31	38	38	45	198	
25	101	112	142	111	86	33	24	30	44	48	44	177	
26	91	218	126	115	88	32	29	28	45	53	42	161	
27	89	240	113	115	79	34	26	25	41	54	132	151	
28	81	208	102	111	87	42	29	24	38	48	1,040	143	
29	74	181	98	106	101	64	30	24	36	41	970	135	
30	60	155	82	99	-----	75	28	24	35	36	1,120	128	
31	05	-----	113	92	-----	58	-----	26	-----	33	1,000	-----	
TOTAL	6,094	5,597	2,831	5,204	5,952	1,688	902	1,209	1,768	1,072	5,568	14,503	
MEAN	197	187	91.3	168	205	54.5	30.1	39.0	58.9	34.6	180	483	
MAX	546	729	142	471	700	94	48	67	205	54	1,120	900	
MIN	60	56	62	92	79	32	19	24	26	26	25	128	
AC-FT	12,090	11,100	5,620	10,320	11,810	3,350	1,790	2,400	3,510	2,130	11,040	28,770	
CAL YR 1963	TOTAL 41,712												
WAT YR 1964	TOTAL 52,388												
MEAN 114				MAX 1,170				MIN 24				AC-FT 82,730	
MEAN 143				MAX 1,120				MIN 19				AC-FT 103,900	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	118	75	70	43	32	58	107	29	19	62	65	34	
2	113	73	64	42	40	52	93	30	19	55	62	35	
3	125	65	57	42	46	56	79	28	19	56	70	33	
4	128	67	60	45	44	57	68	26	19	53	82	32	
5	117	66	88	44	41	53	61	26	23	49	94	28	
6	117	64	105	43	42	48	54	26	26	64	94	25	
7	97	59	96	42	50	44	50	26	26	74	83	25	
8	113	56	84	41	56	40	48	37	37	60	75	42	
9	117	52	74	41	36	34	37	44	25	58	58	37	
10	112	48	66	40	50	36	42	26	98	59	133	33	
11	104	49	61	41	46	35	40	24	114	62	139	31	
12	133	49	58	42	42	34	38	24	167	62	122	30	
13	385	48	55	39	39	35	38	25	207	76	104	29	
14	345	47	54	38	36	40	39	26	203	137	87	28	
15	274	49	49	38	36	40	34	24	164	273	75	29	
16	228	50	51	39	36	38	32	21	188	270	71	29	
17	189	50	51	34	34	39	36	19	221	220	61	42	
18	154	50	51	37	35	36	34	19	240	207	55	48	
19	131	48	56	40	35	35	31	19	277	225	52	49	
20	119	46	55	39	35	33	29	19	209	246	60	42	
21	113	47	54	38	35	31	30	20	147	267	91	41	
22	105	45	50	36	37	33	32	21	111	245	82	40	
23	93	44	49	35	47	31	33	20	95	196	68	37	
24	85	49	47	35	82	31	29	20	137	151	58	34	
25	80	54	46	36	96	30	27	21	121	116	52	33	
26	80	53	45	34	96	29	27	19	124	100	46	33	
27	78	51	44	36	82	30	32	19	116	94	42	33	
28	78	53	47	34	70	95	33	19	96	78	40	36	
29	95	82	46	32	-----	174	35	18	83	70	38	41	
30	87	86	46	30	-----	150	34	20	72	66	37	49	
31	83	-----	44	31	-----	122	-----	21	-----	66	34	-----	
TOTAL	4,196	1,675	1,823	1,187	1,374	1,602	1,309	704	3,436	3,817	2,257	1,058	
MEAN	135	55.8	58.8	38.3	49.1	51.7	43.6	22.7	115	123	72.8	35.3	
MAX	385	86	105	45	96	174	107	35	277	273	139	49	
MIN	78	44	44	30	32	29	27	18	19	49	34	25	
AC-FT	8,320	3,320	3,620	2,350	2,730	3,180	2,600	1,400	6,820	7,570	4,480	2,100	
CAL YR 1964	TOTAL 45,560												
WAT YR 1965	TOTAL 24,438												
MEAN 124				MAX 1,120				MIN 19				AC-FT 90,370	
MEAN 67.0				MAX 385				MIN 18				AC-FT 48,470	

2-2517 65 (revised) Fellsmere Canal near Fellsmere, Fla

Location --Lat 27°49'18", long 80°36'27", in NW 1/4 sec 2, T 31 S, R 37 E, near right bank on down-stream side of bridge on State Highway 507, 3.3 miles north of Fellsmere, Indian River County, and 5.9 miles upstream from North Prong Sebastian Creek

Drainage area --78.4 sq mi

Records available --February 1955 to September 1965

Gage --Digital water-stage recorder Datum of gage is 7.90 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to July 8, 1964, graphic water-stage recorder at same site and datum

Average discharge --10 years, 131 cfs (94,840 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Nov 11, 1960	a 480	b 10.61	May 25, 26, 1961	28	c 1.18
1962	Aug 31, 1962	904	8.51	June 6, 1962	18	c 1.24
1963	Sept 25, 1963	1,370	10.77	May 17, 18, 19, 1963	25	c 1.28
1964	Aug 28, 1964	1,330	10.62	July 9, 10, 1964	30	d 1.43
1965	July 16, 1965	758	7.69	Nov 30, 1964	31	e 1.38

a Maximum peak discharge, maximum discharge during year, 1,330 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred Feb 27, 1962 d Occurred Dec 14, 1963, May 13, 1964  
e Occurred May 10, 26, 1965

1955-65 Maximum discharge, 1,880 cfs Oct 16, 1956 (gage height, 13.20 ft, from floodmark), minimum, 18 cfs June 6, 1962, minimum gage height, 1.18 ft May 25, 26, 1961

Remarks --Records good except those for period of shifting control, which are fair, and those for period of no gage-height record, which are poor Records include undetermined amount of flow diverted from Blue Cypress Lake for irrigation

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,290	414	79	56	65	56	67	42	267	236	43	276
2	1,200	177	68	53	61	54	72	44	217	186	45	210
3	1,110	176	65	50	62	52	65	45	157	152	60	158
4	1,030	159	66	49	62	52	54	48	112	133	51	123
5	914	147	68	50	62	51	47	47	84	121	47	96
6	814	143	80	49	62	55	44	45	67	104	47	79
7	830	214	72	45	62	56	43	42	56	94	46	67
8	625	218	65	44	64	53	44	40	50	84	47	60
9	544	220	61	47	64	48	43	39	49	75	46	55
10	561	364	61	50	62	43	190	40	50	66	45	50
11	439	443	60	49	60	42	208	41	51	59	46	47
12	408	391	56	49	59	43	169	39	53	59	50	46
13	387	381	57	83	59	52	135	38	54	54	52	45
14	402	373	56	152	57	65	104	36	51	48	54	44
15	404	352	56	143	57	66	82	36	48	47	55	46
16	376	331	61	125	56	57	68	38	47	44	57	46
17	348	334	60	111	56	51	59	39	45	42	67	55
18	315	302	59	97	56	51	53	38	42	42	85	98
19	271	276	59	87	54	83	48	37	41	46	119	101
20	236	252	60	80	54	89	46	36	41	57	124	87
21	208	260	60	78	52	82	43	35	41	68	95	70
22	194	279	57	73	52	70	43	15	39	66	78	60
23	184	217	56	70	52	62	43	34	43	59	82	52
24	185	198	58	72	62	56	42	32	69	52	72	48
25	179	180	90	75	61	51	42	28	81	48	72	46
26	166	164	87	75	59	49	41	33	74	46	119	43
27	154	150	69	72	57	47	41	54	74	48	167	41
28	146	135	59	69	56	46	41	66	132	54	176	40
29	153	116	59	68	-----	46	43	227	260	53	304	38
30	190	96	58	65	-----	46	42	335	280	50	377	38
31	209	-----	61	66	-----	48	-----	307	-----	46	339	-----
TOTAL	14,472	7,282	1,985	2,252	1,647	1,722	2,067	1,996	2,675	2,339	3,067	2,265
MEAN	467	243	64.0	72.6	58.8	55.5	68.9	64.4	89.2	75.5	98.9	75.5
MAX	1,290	443	90	152	65	89	208	335	280	236	377	276
MIN	146	96	56	44	52	42	41	28	39	42	43	38
AC-FT	28,700	14,440	3,940	4,470	3,270	3,420	4,100	3,960	5,310	4,640	6,080	4,490

CAL YR 1960 TOTAL 90,212 MEAN 246 MAX 1,750 MIN 40 AC-FT 178,900  
WAT YR 1961 TOTAL 43,769 MEAN 120 MAX 1,290 MIN 28 AC-FT 86,810

## 2-2517 65 Fellsmere Canal near Fellsmere, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	38	74	44	48	41	23	34	31	20	71	317	863
2	38	67	44	34	35	34	30	20	109	766		
3	40	62	46	44	25	37	44	29	20	122	169	466
4	41	59	43	44	25	35	49	28	22	118	153	451
5	38	60	42	43	24	32	32	31	22	77	120	707
6	46	62	43	45	24	30	31	40	20	46	138	420
7	49	61	42	44	29	28	38	41	20	53	390	346
8	43	58	41	44	24	29	67	43	28	83	440	336
9	40	55	40	44	24	28	69	38	31	91	303	266
10	38	53	40	46	32	26	46	31	41	160	312	263
11	64	53	39	44	33	27	43	29	40	170	605	218
12	92	53	39	44	31	28	41	28	26	273	437	152
13	87	54	38	44	29	28	57	27	48	311	348	270
14	92	53	35	44	28	28	37	26	87	218	325	226
15	107	52	37	46	28	26	35	25	90	137	274	302
16	97	51	41	46	28	26	33	24	65	116	317	242
17	81	50	40	45	28	26	31	25	92	85	406	213
18	67	49	39	44	36	26	31	24	86	66	646	210
19	59	50	38	44	38	25	31	25	84	118	726	163
20	50	52	39	43	35	24	30	24	81	444	532	799
21	44	54	38	42	32	24	30	24	69	454	318	558
22	43	50	40	41	29	26	30	25	87	360	248	580
23	42	47	44	41	28	29	31	24	109	263	227	474
24	41	53	43	41	27	31	30	23	104	217	302	521
25	42	56	35	41	22	33	30	22	137	215	534	342
26	44	53	35	41	22	49	31	21	141	213	571	284
27	43	55	43	40	22	46	39	20	119	202	553	200
28	44	47	46	39	22	40	36	22	105	168	349	179
29	50	44	46	40	-----	38	34	22	86	116	267	205
30	80	43	47	41	-----	40	32	21	76	113	392	183
31	82	-----	50	41	-----	37	-----	20	-----	281	670	-----
TOTAL	1,762	1,630	1,282	1,338	797	950	1,136	843	1,976	5,470	11,605	10,705
MEAN	56.8	54.3	41.4	43.2	28.5	30.6	37.9	27.2	65.9	176	374	357
MAX	107	74	50	48	41	49	69	43	141	454	726	863
MIN	38	43	35	39	22	23	30	20	20	46	120	152
AC-FT	3,490	3,230	2,540	2,650	1,580	1,880	2,250	1,670	3,920	10,850	23,020	21,230
CAL YR 1961	TOTAL 24,704			MEAN 67.7		MAX 377		MIN 28		AC-FT 49,000		
WAT YR 1962	TOTAL 39,494			MEAN 106		MAX 863		MIN 20		AC-FT 78,340		

Note Shifting-control method used May 15 to July 20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	217	41	67	52	49	202	41	35	274	298	34	45
2	211	37	66	52	46	183	40	41	245	177	38	44
3	147	35	64	51	37	133	38	38	161	143	49	46
4	166	38	63	52	38	129	37	49	139	116	42	53
5	131	41	61	54	42	107	34	45	100	88	64	59
6	152	41	57	56	43	95	31	46	118	73	49	63
7	120	39	55	63	44	86	34	38	115	60	32	57
8	102	40	55	62	40	78	35	33	78	52	32	55
9	97	150	58	59	37	75	33	28	67	48	34	55
10	95	214	60	56	37	105	30	26	62	45	40	49
11	90	168	60	53	38	114	29	26	53	41	41	46
12	86	155	60	54	66	95	28	28	58	43	46	46
13	83	158	60	54	153	83	31	29	60	51	43	44
14	82	114	64	54	135	76	30	28	68	57	44	44
15	81	92	66	56	121	72	28	27	46	155	46	42
16	80	85	59	55	109	69	28	27	42	145	45	41
17	101	81	57	55	115	63	28	26	44	117	44	46
18	91	78	57	58	108	64	28	26	45	117	43	45
19	81	76	56	72	127	60	28	26	43	104	43	47
20	71	76	56	73	138	57	29	28	42	68	42	121
21	66	78	55	69	165	52	29	32	41	53	40	135
22	62	98	54	47	145	49	30	41	43	83	64	108
23	60	112	53	46	125	48	29	39	45	114	121	218
24	59	97	54	43	109	47	31	101	45	74	124	814
25	53	88	52	44	94	46	29	150	45	55	90	1,340
26	51	80	51	50	118	46	9	130	52	49	81	1,310
27	49	76	52	44	129	44	12	132	65	55	68	1,210
28	48	71	53	49	223	46	29	104	161	40	58	1,120
29	47	70	53	51	-----	43	29	107	758	41	54	969
30	47	69	53	53	-----	42	29	163	566	40	47	724
31	52	-----	52	51	-----	41	-----	221	-----	36	44	-----
TOTAL	2,880	2,003	1,781	1,697	2,851	2,455	933	1,858	3,670	2,649	1,639	8,995
MEAN	92.9	64.8	57.5	54.7	102	79.2	31.1	59.9	122	85.5	52.9	300
MAX	217	214	67	73	279	202	41	221	758	298	124	1,340
MIN	47	35	51	43	37	41	28	26	41	36	32	41
AC-FT	5,710	5,160	3,530	3,370	5,650	4,870	1,850	3,690	7,280	5,250	3,250	17,840
CAL YR 1962	TOTAL 42,084			MEAN 115		MAX 863		MIN 20		AC-FT 83,470		
WAT YR 1963	TOTAL 34,011			MEAN 93.2		MAX 1,340		MIN 26		AC-FT 67,460		



## 2-2517 65 Fellsmere Canal near Fellsmere, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	503	56	43	250	91	95	34	41	37	35	38	826
2	638	53	43	169	88	92	34	100	38	35	36	741
3	731	50	43	169	87	86	34	103	41	36	35	580
4	569	50	41	149	113	81	35	57	60	37	34	568
5	396	60	38	133	224	77	36	46	78	38	33	462
6	298	79	37	122	424	72	36	39	67	37	70	350
7	249	89	36	140	417	73	37	39	48	35	60	259
8	223	69	36	208	343	73	37	38	42	32	50	270
9	203	75	34	183	306	64	38	37	40	30	45	197
10	169	132	33	135	219	51	38	35	38	30	41	235
11	157	427	33	121	174	50	38	34	37	31	60	217
12	149	454	34	233	162	50	38	34	37	31	70	196
13	143	269	33	317	149	50	37	34	34	31	130	333
14	138	184	32	287	138	50	37	51	33	32	150	436
15	131	155	35	217	128	48	37	71	33	32	140	508
16	142	140	35	184	116	50	37	50	33	32	85	739
17	153	118	48	143	109	52	37	46	35	37	50	463
18	180	102	75	174	106	46	38	44	39	46	31	350
19	160	92	72	133	113	43	38	41	38	52	84	226
20	124	87	66	127	115	41	38	40	42	46	104	159
21	112	83	60	142	110	35	38	36	35	38	90	137
22	104	75	55	131	105	34	39	34	31	37	72	151
23	99	60	51	121	105	33	38	34	34	37	60	126
24	91	55	60	117	101	34	37	37	34	41	50	143
25	87	56	64	113	97	34	37	36	36	50	41	118
26	83	62	66	109	92	34	36	33	55	62	150	103
27	80	60	70	102	90	34	36	33	88	61	374	97
28	74	55	60	97	95	37	37	34	77	54	1,270	92
29	64	50	53	86	96	40	39	34	53	48	1,240	87
30	57	46	50	93	-----	37	40	35	35	43	1,100	86
31	57	-----	144	92	-----	35	-----	35	-----	40	972	-----
TOTAL	6,364	3,343	1,580	4,807	4,513	1,631	1,111	1,361	1,328	1,226	6,765	9,255
MEAN	205	111	51.0	156	156	52.6	37.0	43.9	44.3	39.5	218	300
MAX	731	454	144	317	424	95	40	103	88	62	1,270	826
MIN	57	46	32	92	87	33	34	33	31	30	31	86
AC-FT	12,620	6,630	3,130	9,530	8,950	3,240	2,200	2,700	2,630	2,430	13,420	18,360
CAL YR 1963-	TOTAL 38,034			MEAN 104	MAX 1,340	MIN 26	AC-FT 75,440					
WAT YR 1964-	TOTAL 43,284			MEAN 118	MAX 1,270	MIN 30	AC-FT 85,850					

Note No gage-height record July 28 to Aug 26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	80	89	34	35	40	73	112	67	36	74	159	66
2	77	102	36	35	48	107	100	75	37	83	137	60
3	80	91	38	34	57	213	91	66	36	111	183	60
4	80	46	46	35	58	335	96	51	95	48	441	81
5	77	65	85	38	47	313	79	53	39	80	379	98
6	74	59	122	39	48	254	74	55	38	77	248	94
7	69	54	87	40	55	203	67	47	41	74	222	83
8	70	51	76	39	68	168	55	37	48	97	186	83
9	73	47	75	38	74	144	51	46	114	146	184	88
10	70	46	62	38	54	126	49	34	113	145	308	68
11	79	54	57	51	48	110	48	37	105	144	392	61
12	212	65	53	40	51	94	46	38	249	141	273	59
13	411	64	53	42	49	72	44	60	258	159	222	56
14	335	67	51	50	43	70	44	65	215	346	184	54
15	314	65	41	48	39	72	48	52	166	604	151	55
16	325	59	52	52	42	75	47	53	144	724	126	55
17	203	56	50	46	43	90	53	41	151	538	104	69
18	150	58	47	43	41	80	56	41	219	418	93	111
19	152	54	45	41	42	73	48	45	500	577	94	121
20	122	54	39	43	38	68	53	37	454	579	108	96
21	150	53	38	39	37	62	46	53	316	413	138	77
22	100	51	40	39	39	60	64	61	211	306	119	66
23	90	42	39	39	51	64	69	56	167	240	99	61
24	91	42	38	40	85	74	79	40	147	255	85	63
25	99	43	38	39	107	64	76	41	130	253	77	89
26	133	42	38	39	104	54	68	33	125	210	74	91
27	133	40	39	41	93	57	72	35	111	168	74	85
28	133	42	38	38	68	99	60	35	102	138	79	93
29	131	43	37	43	-----	126	55	34	87	117	92	208
30	114	34	36	38	-----	119	59	35	79	118	93	359
31	99	-----	35	38	-----	125	-----	36	-----	162	80	-----
TOTAL	4,306	1,707	1,565	1,260	1,571	3,644	1,899	1,459	4,474	7,592	5,204	2,710
MEAN	139	56.9	50.5	40.6	50.1	118	63.3	47.1	149	245	168	90.3
MAX	411	102	122	52	107	335	112	75	500	724	441	359
MIN	69	34	34	34	37	54	44	33	36	74	24	54
AC-FT	8,540	3,390	3,100	2,500	3,120	7,230	3,770	2,890	8,870	15,060	10,320	5,380
CAL YR 1964	TOTAL 39,575			MEAN 108	MAX 1,270	MIN 30	AC-FT 78,500					
WAT YR 1965-	TOTAL 37,391			MEAN 102	MAX 724	MIN 33	AC-FT 74,160					

2-2525 North Canal near Vero Beach, Fla

Location --Lat 27°41'32", long 80°25'00" in SE<sup>1</sup> sec 15, T 32 S, R 39 E, on left bank 600 ft upstream from bridge on State Highway 605 and 3.9 miles north of Vero Beach, Indian River County

Records available --November 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Feb 27, 1952, graphic water-stage recorder at site 50 ft downstream at datum 0.81 ft lower Feb 27, 1952, to Nov 5, 1957, graphic water-stage recorder, at bridge 600 ft downstream of present datum, Nov 6, 1957, to July 7, 1964, at present site graphic waterstage recorder and datum

Average discharge --14 years (1951-65), 27.6 cfs (19,980 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 1961	a 360	b 5.52	June 20, 1961	4.6	c 1.90
1962	Sept 25, 1962	862	7.55	June 3, 1962	3.7	d 1.66
1963	Sept 24, 1963	1,520	10.82	Many days	2.6	e 2.33
1964	Oct 2, 1963	1,070	9.18	June 23, 24, 1964	3.0	f 1.28
1965	Aug 19, 1965	429	6.93	July 27, 1965	4.1	g 1.94

a Maximum peak discharge, maximum discharge during year, 378 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred July 8, 1961 d Occurred Jan 29, 30, 1962  
e Occurred Sept 22, 1963 f Occurred Apr 21-23, 1964 g Occurred Feb 15-18, 1965

1950-65 Maximum discharge, 1,790 cfs Sept 23, 1960, maximum gage height, 11.78 ft June 18, 1959, minimum discharge, 2.60 cfs May 4, 5, Aug 16-18, 1963, minimum gage height observed, 0.92 ft June 22, 1956, site then in use

Remarks --Records fair except those for periods of shifting control and those after Oct 1, 1962, which are poor. Considerable pumping into canal for drainage above station. Since Sept 7, 1954, low flow regulated by control 2 miles upstream. Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	247	18	10	9.2	9.2	8.1	8.9	6.4	7.6	5.5	5.0	7.2
2	110	17	10	9.4	9.2	8.1	9.1	6.1	7.7	5.5	5.2	6.6
3	87	16	9.7	9.4	9.4	8.1	11	6.2	7.6	12	7.3	6.4
4	72	15	9.7	9.2	9.7	8.0	8.6	5.9	7.7	12	11	6.1
5	62	14	9.5	9.1	9.4	8.1	8.4	5.9	7.3	17	16	6.1
6	56	14	9.5	8.9	9.2	8.0	8.3	5.6	8.7	5.4	18	6.0
7	52	13	9.5	8.7	9.4	8.1	8.6	5.6	13	9.5	21	5.9
8	40	13	9.4	8.7	9.7	8.0	8.4	5.4	8.1	5.0	15	5.8
9	26	13	9.2	9.4	9.5	7.8	8.7	5.5	7.2	25	5.5	5.6
10	24	12	9.4	9.1	9.4	7.8	30	5.6	7.4	38	5.4	5.6
11	23	12	9.4	8.9	9.2	7.8	11	5.8	7.3	24	5.6	5.5
12	24	12	9.5	10	9.1	7.7	10	5.8	7.4	7.7	7.2	5.5
13	23	11	9.2	11.9	8.9	9.4	9.4	5.9	7.3	7.2	5.6	5.8
14	23	11	9.2	53	8.7	58	9.1	6.4	7.4	7.6	5.8	9.7
15	22	12	9.4	15	8.9	10	8.7	6.6	8.4	7.2	6.9	13
16	21	13	9.7	13	8.9	9.5	9.1	6.6	7.8	6.9	6.0	12
17	20	12	9.4	13	8.9	9.1	8.4	6.4	7.7	6.6	7.4	28
18	19	12	9.1	12	8.7	9.1	8.0	6.2	7.7	6.4	22	14
19	19	12	9.1	12	8.7	25	8.0	6.6	7.2	6.1	7.6	7.2
20	18	11	8.9	11	8.7	78	7.6	8.1	6.1	6.1	7.3	6.7
21	18	11	8.9	11	8.7	9.5	7.4	7.7	4.8	5.9	7.3	6.4
22	17	11	8.7	11	8.6	8.9	7.0	8.1	4.9	5.8	53	6.1
23	17	11	8.7	11	8.7	8.7	7.0	9.2	5.2	5.8	71	5.9
24	16	11	8.5	10	8.9	8.4	7.0	8.1	6.5	5.8	8.3	5.8
25	16	11	9.1	10	8.7	8.4	6.7	9.1	5.5	5.8	7.4	5.8
26	15	11	8.9	10	8.6	8.4	6.6	33	6.2	5.5	10	5.8
27	15	11	9.7	10	8.4	8.1	6.4	9.7	5.5	5.4	15	5.8
28	15	11	9.4	9.9	8.3	7.7	6.4	8.1	5.4	5.4	63	6.0
29	14	11	9.2	9.7	-----	7.6	6.2	11	5.6	5.4	151	5.9
30	14	10	9.2	9.5	-----	7.4	6.4	32	5.8	5.2	36	6.0
31	17	-----	9.1	9.4	-----	7.3	-----	8.1	-----	5.0	7.8	-----
TOTAL	1,168	372	288.6	469.5	251.7	344.1	266.4	266.7	212.0	281.7	620.6	228.2
MEAN	37.7	12.4	9.31	15.1	8.99	11.1	8.88	8.60	7.07	9.09	20.0	7.61
MAX	247	18	10	11.9	9.7	58	30	33	13	38	151	78
MIN	14	10	8.7	8.7	8.3	7.3	6.2	5.4	4.8	5.0	5.0	5.5
AC-FT	2,320	738	572	931	499	683	528	529	421	559	1,230	453

CAL YR 1960 TOTAL 17,679.1 MEAN 48.3 MAX 1,580 MIN 8.3 AC-FT 35,070  
WAT YR 1961 TOTAL 4,769.5 MEAN 13.1 MAX 1,247 MIN 4.8 AC-FT 9,460

Note Shifting-control method used Mar 22 to Sept 30

## 2-2525 North Canal near Vero Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.0	8.3	6.9	5.5	5.3	6.9	8.6	7.7	5.4	7.7	8.4	8.7
2	5.9	7.8	6.7	5.5	5.2	7.0	9.2	7.7	8.4	7.0	9.4	29
3	5.8	7.7	6.7	5.6	5.2	7.0	9.1	7.0	5.1	7.0	8.9	69
4	5.8	7.6	6.6	5.5	5.2	7.2	9.1	16	4.5	7.0	11	74
5	5.9	8.0	6.6	5.5	5.3	7.2	9.1	22	6.1	7.0	9.8	6.7
6	41	8.0	6.5	5.6	5.2	7.2	9.1	14	9.8	8.0	8.9	6.1
7	52	8.0	6.5	5.6	5.0	6.9	13	9.8	5.4	10	12	5.8
8	6.7	7.6	6.5	5.5	4.8	6.9	42	8.9	12	9.8	18	6.4
9	6.6	7.4	6.4	5.4	4.8	7.0	21	8.0	7.0	87	18	6.4
10	6.5	7.3	6.4	5.4	5.3	7.2	9.4	7.0	10	105	17	6.4
11	34	7.3	6.5	5.4	4.9	7.2	8.9	6.7	11	30	16	6.4
12	9.4	7.3	7.8	5.3	4.7	7.3	8.4	7.0	10	37	14	7.4
13	8.6	7.3	7.3	5.3	4.6	7.2	8.0	6.7	24	19	14	8.4
14	8.3	7.3	6.5	5.4	4.6	7.4	7.7	5.8	114	26	14	234
15	8.3	7.3	6.2	5.4	4.6	11	7.0	5.1	139	5.1	25	132
16	8.1	7.3	6.2	5.4	4.5	12	8.0	5.1	39	5.1	8.9	6.1
17	7.8	7.4	6.1	5.3	4.5	8.9	7.7	5.4	60	4.8	8.0	4.8
18	7.7	7.3	6.0	5.3	4.3	7.2	8.0	5.4	7.4	4.5	8.0	5.1
19	7.7	7.3	6.0	5.4	4.3	7.2	8.4	5.8	6.7	4.5	33	5.8
20	7.6	7.3	5.9	5.5	4.2	7.0	8.0	5.4	6.1	5.8	10	9.4
21	7.3	7.4	5.9	5.4	4.1	7.0	7.7	6.4	6.4	6.7	8.4	242
22	7.2	7.3	5.9	5.3	4.0	7.8	7.0	6.4	6.1	7.7	8.9	74
23	7.0	7.4	6.0	5.3	4.1	12	6.7	6.4	6.1	7.4	7.4	282
24	7.0	9.2	6.0	5.3	4.0	7.6	8.0	6.4	6.1	17	7.0	423
25	7.6	7.6	5.8	5.3	4.7	16	8.0	8.0	6.1	35	6.7	83
26	7.3	7.2	5.8	5.3	6.1	29	8.9	7.7	6.1	5.4	6.4	13
27	7.2	7.2	5.6	5.3	6.7	7.4	12	5.8	5.8	5.1	6.7	74
28	7.2	7.0	5.6	5.3	6.9	6.9	13	11	5.4	6.1	6.7	28
29	28	7.0	5.5	5.2	-----	6.6	8.4	5.4	6.7	7.0	7.7	38
30	45	7.0	5.5	5.2	-----	6.4	7.4	4.5	6.7	7.7	7.0	37
31	20	-----	5.5	5.3	-----	6.5	-----	6.4	-----	8.0	75	-----
TOTAL	400.5	225.1	193.4	166.9	137.1	266.1	307.7	240.9	552.4	510.4	420.2	1,949.2
MEAN	12.9	7.50	6.24	5.38	4.90	8.58	10.3	7.77	18.4	16.5	13.6	65.0
MAX	52	9.2	7.8	5.6	6.9	29	42	22	139	105	75	423
MIN	5.8	7.0	5.5	5.2	4.0	6.4	6.7	4.5	4.5	4.5	6.4	4.8
AC-FT	794	446	384	331	272	528	610	478	1,100	1,010	833	3,870

CAL YR 1961 TOTAL 3,759.9 MEAN 10.3 MAX 151 MIN 4.8 AC-FT 7,460  
 WAT YR 1962 TOTAL 5,369.9 MEAN 14.7 MAX 423 MIN 4.0 AC-FT 10,650

Note Shifting-control method used Feb 1 to May 27

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	107	15	8.9	6.4	6.1	9.4	6.1	4.3	5.1	26	11	5.4
2	53	11	8.4	6.4	6.1	8.9	5.8	4.5	4.3	25	10	5.4
3	44	10	8.0	7.0	6.1	8.4	4.6	4.5	4.5	26	10	5.4
4	40	10	8.0	7.4	7.4	9.4	5.1	3.2	5.1	26	9.4	5.1
5	44	10	8.0	6.7	7.7	8.4	5.1	3.2	129	24	8.9	4.8
6	18	8.9	7.4	7.0	7.4	8.9	4.8	3.7	134	22	8.0	11
7	6.7	8.9	8.0	7.4	7.4	8.4	4.0	5.8	5.8	19	6.7	127
8	7.0	12	8.0	7.4	7.0	8.0	4.5	3.7	5.1	19	4.5	244
9	7.7	170	8.0	7.4	6.7	7.4	4.8	4.0	4.3	18	4.0	78
10	7.7	85	8.4	6.7	7.0	10	5.1	4.5	4.0	17	8.4	8.4
11	7.7	6.1	8.4	5.8	7.0	9.4	5.4	4.3	3.7	31	3.4	8.0
12	8.4	8.4	8.0	4.8	8.9	8.4	5.8	4.3	3.2	100	6.7	12
13	7.7	8.9	8.0	5.1	21	8.0	6.4	3.7	3.7	92	3.7	19
14	7.4	8.4	8.4	5.1	70	7.7	6.4	4.0	4.8	88	4.0	11
15	7.7	8.0	20	5.4	7.7	7.7	5.8	4.0	6.7	87	3.4	9.4
16	10	7.4	9.4	6.1	6.7	7.0	4.3	4.0	6.7	85	3.4	8.9
17	9.4	7.4	8.4	6.4	7.7	6.7	4.0	4.0	8.0	80	2.6	9.8
18	7.0	7.7	8.9	6.1	7.4	6.4	5.1	3.7	6.7	78	3.4	8.4
19	6.1	8.0	8.9	5.8	8.4	6.1	4.3	3.7	5.4	58	3.4	8.9
20	5.4	8.0	9.4	6.4	10	5.8	4.0	4.5	4.8	12	4.0	178
21	5.4	7.7	11	6.7	9.4	5.8	4.3	4.8	4.5	12	21	36
22	5.1	11	11	6.4	8.0	5.8	4.5	5.4	4.5	28	75	10
23	5.8	8.9	8.4	6.4	7.7	6.7	4.3	5.4	4.8	62	65	52
24	5.4	8.9	8.4	6.7	7.7	7.0	3.7	14	4.5	16	6.4	690
25	5.8	8.4	8.0	6.4	7.4	6.4	4.3	6.7	4.5	13	4.8	1,290
26	6.1	8.9	8.0	12	44	6.7	4.5	4.8	7.7	11	5.1	876
27	6.1	8.9	7.4	7.7	83	6.7	4.3	5.4	177	10	5.1	312
28	5.8	7.8	6.7	6.4	10	7.4	3.7	5.1	204	10	5.4	126
29	5.8	9.8	6.4	6.4	-----	6.1	3.7	36	44	9.8	5.4	83
30	6.1	8.9	5.8	5.8	-----	6.7	3.7	7.0	35	10	6.7	50
31	7.7	-----	6.1	5.8	-----	9.8	-----	26	-----	10	8.0	-----
TOTAL	483.0	510.3	266.1	203.5	400.2	235.5	143.4	199.9	845.4	1,124.8	326.8	4,292.9
MEAN	15.6	17.0	8.58	6.56	14.3	7.60	4.78	6.45	28.2	36.3	10.5	143
MAX	107	170	20	12	83	10	6.4	36	204	100	75	1,290
MIN	5.1	8.1	5.8	4.8	6.1	5.8	3.7	3.2	3.2	2.8	2.6	4.8
AC-FT	958	1,010	528	404	794	467	284	397	1,680	2,230	648	8,510

CAL YR 1962 TOTAL 5,810.3 MEAN 15.9 MAX 423 MIN 4.0 AC-FT 11,320  
 WAT YR 1963 TOTAL 9,031.8 MEAN 24.7 MAX 1,290 MIN 2.6 AC-FT 17,910

## 2-2525 North Canal near Vero Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	57	16	10	61	18	11	8.7	9.2	6.3	3.8	6.0	40
2	927	16	10	22	18	11	8.7	10	6.0	3.8	5.7	56
3	326	15	9.8	18	18	11	8.5	10	6.0	20	5.4	45
4	143	14	10	16	25	11	8.2	9.8	9.0	18	5.1	42
5	103	17	9.8	16	117	11	8.2	10	7.2	7.2	5.4	34
6	85	62	9.5	36	131	11	7.9	10	7.5	6.9	13	22
7	74	53	9.5	16	67	11	8.2	11	6.0	7.5	19	9.8
8	68	24	9.5	35	58	11	7.9	10	5.4	13	5.4	40
9	94	22	9.0	27	47	11	8.1	9.5	4.8	8.1	5.4	36
10	81	80	9.0	13	39	11	7.9	9.2	4.5	5.4	5.7	43
11	68	131	9.0	13	37	11	7.4	9.2	4.5	5.4	17	40
12	33	61	9.2	41	34	10	7.9	9.0	4.2	5.4	33	40
13	74	61	9.2	61	23	11	8.7	8.7	4.0	5.4	6.0	51
14	104	17	9.2	17	14	12	8.7	17	6.0	5.4	6.0	51
15	86	15	9.2	34	14	9.2	8.7	26	3.8	5.1	6.3	78
16	91	14	9.8	25	14	9.5	9.0	10	4.0	5.7	6.3	96
17	75	13	12	14	13	13	8.5	8.2	4.0	8.4	6.9	61
18	64	12	28	14	14	13	8.2	8.2	3.8	8.4	7.5	49
19	127	12	17	13	14	14	7.5	7.9	6.0	18	41	41
20	54	12	16	20	13	14	7.7	7.7	3.5	6.3	144	44
21	57	12	14	46	13	14	6.5	7.7	3.5	6.3	57	41
22	24	11	14	14	12	14	6.5	7.4	3.5	6.0	49	38
23	53	11	14	33	14	12	5.0	7.4	3.2	7.2	76	34
24	34	11	14	30	13	10	5.1	7.2	3.8	18	54	24
25	20	11	14	30	13	9.8	11	6.2	6.6	23	18	12
26	20	11	14	30	12	9.8	6.2	5.6	5.4	7.2	79	12
27	19	12	14	29	12	9.5	7.2	5.8	5.7	27	284	13
28	18	11	13	29	12	9.5	20	5.8	4.2	6.3	648	13
29	18	11	13	24	11	16	14	5.8	6.3	6.3	288	13
30	17	11	14	20	-----	9.2	9.2	5.6	4.8	6.6	107	13
31	16	-----	85	20	-----	9.0	-----	5.6	-----	6.3	84	-----
TOTAL	2,995	738	447.7	834	842	344.2	256.3	280.7	149.3	275.4	2,075.1	1,131.8
MEAN	76.6	24.6	14.4	26.9	25.0	11.1	8.5	8.4	4.98	8.88	66.9	37.7
MAX	927	131	85	61	131	16	20	76	9.0	27	648	96
MIN	16	11	9.0	13	11	9.0	5.0	5.6	3.2	3.8	5.1	9.8
AC-FT	5,960	1,460	888	1,650	1,670	683	508	557	296	546	4,120	2,240
CAL YR 1963	TOTAL	11,953.1	MEAN	32.7	MAX	1,230	MIN	2.6	AC-FT	23,710		
WAT YR 1964	TOTAL	10,369.5	MEAN	28.3	MAX	927	MIN	3.2	AC-FT	20,570		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	157	12	8.8	8.3	10	35	6.6	10	6.9	11	7.5
2	14	91	12	8.7	64	36	9.9	6.3	9.9	8.2	7.5	7.4
3	15	63	11	8.6	34	107	9.9	7.2	8.6	7.8	6.7	7.9
4	15	51	55	8.7	14	85	8.9	6.2	7.8	6.8	6.9	7.8
5	16	40	170	8.4	13	33	8.7	5.7	8.4	7.1	6.8	7.9
6	17	33	125	8.2	8.7	12	8.4	5.6	20	5.9	6.3	71
7	20	29	65	8.9	8.9	11	8.3	5.5	19	5.5	6.1	109
8	19	26	44	8.2	9.1	11	8.0	6.1	17	5.5	6.1	60
9	18	24	34	8.2	8.6	11	7.9	5.6	39	5.7	7.1	8.7
10	19	18	27	8.0	8.3	11	7.8	6.4	48	8.2	61	8.0
11	36	12	18	7.8	8.2	10	7.5	6.6	35	74	92	8.0
12	144	12	12	7.8	8.0	9.7	7.7	6.5	105	184	8.9	7.7
13	103	12	11	7.9	8.0	9.6	7.4	8.3	79	27	9.2	7.2
14	32	12	11	8.3	7.9	9.6	7.7	7.2	48	103	8.8	7.2
15	141	12	11	7.9	7.9	9.7	7.5	5.9	58	24	8.9	7.2
16	86	12	10	8.0	7.9	9.7	7.5	5.0	9.6	80	30	7.7
17	65	12	10	7.8	7.9	9.6	7.7	5.9	24	14	62	7.7
18	55	12	10	7.8	7.9	9.5	7.5	5.5	62	57	8.9	8.7
19	50	12	10	7.8	7.9	9.3	7.7	4.8	85	30	129	7.7
20	33	12	10	8.3	7.9	9.2	7.3	4.7	8.3	112	298	6.8
21	20	11	10	8.3	7.8	9.2	7.2	4.5	10	6.7	187	6.7
22	19	11	10	7.9	7.9	9.2	7.2	5.3	10	6.7	85	7.2
23	19	11	9.7	8.3	34	9.5	9.3	10	9.7	6.1	41	7.1
24	18	12	9.6	8.3	65	8.9	7.5	10	9.7	5.3	7.9	7.1
25	149	14	9.5	8.6	21	8.9	7.9	7.7	10	4.8	8.3	19
26	181	13	9.3	8.3	9.5	8.8	7.7	6.5	9.7	4.5	8.4	54
27	84	12	8.3	8.6	8.6	11.8	6.7	6.3	17	4.2	8.3	47
28	47	12	9.5	8.3	10	11	6.7	6.2	15	4.3	8.3	57
29	38	49	9.5	8.2	-----	75	7.4	6.2	6.7	4.3	9.9	99
30	33	41	9.1	8.3	-----	24	7.3	9.1	6.3	6.7	8.9	58
31	39	-----	8.9	8.3	-----	11	-----	9.6	-----	17	7.4	-----
TOTAL	1,609	838	772.4	254.6	421.1	607.2	263.2	204.4	805.7	843.2	1,161.6	733.2
MEAN	51.9	27.9	24.9	8.2	15.0	19.6	8.77	6.59	26.9	27.2	37.5	24.0
MAX	181	157	170	8.8	65	107	35	10	105	184	298	109
MIN	14	11	8.9	7.8	7.8	8.8	6.7	4.5	6.3	4.2	6.1	6.7
AC-FT	3,190	1,660	1,530	505	835	1,200	522	405	1,600	1,670	2,300	1,450
CAL YR 1964	TOTAL	9,408.2	MEAN	25.7	MAX	648	MIN	3.2	AC-FT	18,660		
WAT YR 1965	TOTAL	8,513.6	MEAN	23.3	MAX	298	MIN	4.2	AC-FT	16,890		

## 2-2530 Main Canal at Vero Beach, Fla

Location --Lat 27°38'54", long 80°24'10", in SE 1/4 sec 35, T 32 S., R 39., on right bank 8 ft upstream from dam, 700 ft upstream from U S Highway 1, and 0 6 mile northwest of Vero Beach, Indian River County

Records available --January 1949 to September 1965 Monthly discharge only for some periods published in WSP 1724

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Mar 20, 1952, graphic water-stage recorder at datum 0 74 ft lower Mar 20, 1952, to Sept 30, 1956, graphic water-stage recorder at datum 0 02 ft lower and Oct 1, 1956, to July 6, 1964, graphic water-stage recorder at present datum

Average discharge --16 years, 75 8 cfs (52,340 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Mar 14, 1961	a 629	b 11.35	Jan 17, May 9, 1961	3 6	a 8 25
1962	Sept 23, 1962	840	11 75	Many days	4 6	8 25
1963	Sept 24, 1963	1,890	14 38	Aug 9, 1963	2 0	8 20
1964	Aug 28, 1964	1,230	12 64	June 9, 1964	5 0	d 8 28
1965	July 11, 1965	770	11 42	May 25, 26, 1965	2 7	8 22

a Maximum peak discharge, maximum discharge during water year, 689 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred May 9, 1961 d Occurred Oct 30, 31, 1963, June 9, 1964

1949-65 Maximum discharge, 1,900 cfs Sept 23, 1960, maximum gage height, 14 38 ft Sept 24, 1963, minimum discharge, 1 20 cfs Jan 26, 1959, minimum gage height, 8 20 ft Oct 1, 1958, Jan 26, 1959, Aug 9, 1963

Remarks --Records good except those for periods of shifting control, which are fair Considerable pumping into canal for drainage above station Since Aug 6, 1954, low flow regulated by control 1 5 miles upstream Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	518	169	59	46	47	59	82	43	72	43	7.4	120
2	299	95	57	48	46	59	104	78	71	44	7.4	109
3	209	72	56	48	56	83	98	106	66	44	7.4	111
4	157	70	57	46	68	60	76	74	59	51	8.0	86
5	129	75	57	41	67	78	48	56	24	58	11	78
6	109	80	56	51	66	68	32	57	13	70	13	70
7	100	78	46	61	71	40	74	52	68	117	17	71
8	95	72	43	56	79	47	112	26	68	127	15	58
9	82	71	43	97	80	58	85	11	67	119	19	54
10	82	54	58	127	62	61	29	66	79	184	6.7	66
11	82	48	66	70	56	61	51	59	88	114	8.0	66
12	104	50	78	57	52	58	78	47	51	85	37	43
13	109	57	89	300	47	67	82	52	70	70	45	9.3
14	106	64	71	152	48	302	58	52	66	78	21	46
15	107	91	72	82	48	134	50	25	54	74	61	122
16	106	114	85	63	50	76	48	39	41	74	67	154
17	80	74	92	40	51	74	54	43	67	62	148	190
18	48	58	89	72	52	88	61	18	61	57	192	98
19	79	58	71	29	56	305	58	6.7	50	64	140	122
20	104	58	51	80	70	101	46	6.7	33	85	120	165
21	76	58	51	25	71	56	27	8.7	36	91	70	127
22	71	59	52	52	64	85	8.7	19	43	80	230	88
23	86	58	59	66	63	98	8.0	25	54	50	262	83
24	58	58	67	71	64	82	29	18	143	57	176	70
25	59	59	66	76	66	72	58	11	97	50	103	66
26	59	62	59	75	66	67	66	222	98	23	147	59
27	66	62	45	71	87	63	52	147	75	45	119	47
28	68	70	36	66	59	63	39	112	88	57	202	41
29	75	67	41	58	-----	67	35	202	54	56	355	58
30	75	64	43	52	-----	70	32	190	41	47	188	89
31	85	-----	43	51	-----	70	-----	109	-----	11	104	-----
TOTAL	3,483	2,125	1,858	2,229	1,692	2,692	1,680.7	1,981.1	1,897	2,187	2,896.9	2,568.3
MEAN	112	70.8	59.9	71.9	60.4	86.8	56.0	63.9	63.2	70.5	93.4	85.6
MAX	518	169	92	300	80	305	112	222	143	184	355	190
MIN	48	48	36	25	46	40	8.0	6.7	13	11	6.7	9.3
AC-FT	6,910	4,210	3,690	4,420	3,360	5,340	3,330	3,930	3,760	4,340	5,750	5,090

CAL YR 1960: TOTAL 48,721 MEAN 133 MAX 1,790 MIN 19 AC-FT 96,640  
WAT YR 1961 TOTAL 27,290.0 MEAN 74.8 MAX 518 MIN 6.7 AC-FT 54,130

## 2-2530 Main Canal at Vero Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	141	42	52	65	62	6.1	53	60	52	137	94	137
2	48	72	48	46	33	6.6	59	8.5	85	119	75	108
3	29	74	38	51	5.6	16	54	13	91	98	6.6	150
4	53	63	58	72	16	53	44	39	44	72	31	137
5	51	60	49	70	78	96	48	176	9.9	36	104	106
6	150	109	33	63	91	85	53	165	32	54	61	116
7	100	108	48	60	47	63	139	104	121	114	67	98
8	35	59	57	62	36	45	168	98	134	109	144	102
9	67	94	57	72	40	63	29	52	105	119	137	106
10	92	70	57	72	77	56	28	51	34	106	136	104
11	111	77	63	44	85	57	90	51	84	122	210	50
12	100	67	69	13	48	67	72	52	152	90	188	20
13	102	84	65	44	73	52	52	52	198	91	132	67
14	114	9.9	58	102	43	12	58	53	188	117	292	268
15	98	37	39	102	29	22	58	56	239	163	416	221
16	84	48	72	63	43	39	59	56	250	81	224	122
17	65	48	83	35	62	73	39	44	112	91	246	145
18	67	48	36	48	68	57	28	26	125	90	165	97
19	67	50	6.1	63	49	63	50	23	73	73	141	65
20	65	49	5.6	65	44	59	63	32	58	14	129	170
21	63	49	5.6	65	49	36	57	42	112	119	98	521
22	56	24	5.1	58	53	34	48	17	111	66	98	338
23	34	13	9.9	50	50	154	29	9.2	148	98	15	378
24	13	92	20	36	46	129	7.8	9.9	168	58	112	541
25	60	122	15	60	45	164	13	13	54	100	136	235
26	81	74	8.5	58	42	192	11	12	165	81	132	166
27	84	80	22	35	26	122	75	9.9	144	64	161	155
28	56	88	99	82	6.1	130	55	67	200	65	200	150
29	78	54	37	41	-----	46	112	47	69	69	146	120
30	119	52	80	62	-----	48	90	8.5	134	130	143	166
31	69	-----	69	68	-----	53	-----	32	-----	117	157	-----
TOTAL	2,358	1,850.9	1,364.8	1,827	1,346.7	2,015.7	1,809.8	1,466.0	3,328.9	2,774	4,479.6	5,159
MEAN	76.1	61.9	44.0	58.9	43.1	65.0	60.3	47.3	111	89.5	145	172
MAX	150	122	99	102	91	192	168	176	250	163	416	541
MIN	13	9.9	5.1	13	5.6	6.1	7.8	8.5	9.9	14	6.6	20
AC-FT	4,680	3,680	2,710	3,620	2,670	4,000	3,590	2,910	6,600	5,500	8,890	10,230
CAL YR 1961	TOTAL 25,403.7											
MEAN	69.6											
MAX	355											
MIN	5.1											
AC-FT	50,390											
WAT YR 1962	TOTAL 29,786.4											
MEAN	81.6											
MAX	541											
MIN	5.1											
AC-FT	59,080											

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	303	94	68	50	37	116	90	73	90	65	74	30
2	141	108	69	41	31	120	93	129	85	53	41	45
3	106	104	69	41	34	103	52	134	59	31	63	69
4	126	112	74	46	150	93	30	122	50	6.6	74	56
5	127	96	81	48	116	76	35	97	102	103	84	53
6	88	33	74	53	80	74	37	56	78	54	70	111
7	78	18	48	92	60	74	42	26	40	16	29	284
8	60	111	14	25	84	65	43	25	41	36	3.5	221
9	16	524	20	54	83	46	24	56	36	12	190	190
10	57	193	40	70	16	84	53	25	79	44	71	95
11	78	43	84	59	72	117	46	26	30	186	76	112
12	68	144	84	57	119	98	32	39	38	146	88	69
13	64	123	6.1	57	127	77	30	37	52	92	39	90
14	120	109	7.7	112	78	46	57	27	84	65	57	67
15	69	76	176	60	36	43	35	12	77	69	57	64
16	26	51	134	56	38	64	6.6	4.6	81	91	46	64
17	34	69	130	57	74	76	23	4.6	83	68	41	78
18	56	90	125	64	119	76	64	13	69	57	96	91
19	76	74	122	63	122	60	54	41	35	36	93	96
20	68	45	55	53	166	28	40	42	6.1	22	83	524
21	65	48	22	90	124	9.2	37	46	20	96	144	266
22	31	96	114	69	41	9.9	77	21	37	87	213	210
23	73	88	52	22	29	20	51	7.1	43	127	271	475
24	97	70	88	24	94	56	35	139	64	109	157	1,240
25	49	64	83	7.1	120	90	53	94	44	67	87	1,830
26	37	58	56	114	150	46	58	80	67	54	67	1,520
27	65	80	41	157	158	26	60	47	236	54	76	860
28	100	73	48	62	98	50	62	65	132	46	69	422
29	68	64	84	34	-----	60	84	95	107	39	51	273
30	6.6	68	102	60	-----	121	35	97	48	26	16	200
31	24	-----	78	50	-----	206	-----	153	-----	26	61	-----
TOTAL	2,376.6	2,933	2,248.8	1,826.7	2,368	2,276.1	1,460.6	1,801.3	2,033.1	2,007.6	2,369.5	9,705
MEAN	76.7	97.8	72.5	58.9	73.4	73.4	48.7	58.1	67.8	64.8	76.4	324
MAX	303	524	176	157	166	206	93	153	236	186	271	1,830
MIN	6.6	6.1	6.1	6.6	16	9.2	6.6	4.6	6.1	6.6	3.5	30
AC-FT	4,710	5,820	4,460	3,620	4,700	4,510	2,900	3,570	4,030	3,980	4,700	19,250
CAL YR 1962	TOTAL 31,765.1											
MEAN	87.0											
MAX	541											
MIN	5.6											
AC-FT	63,010											
WAT YR 1963	TOTAL 33,406.3											
MEAN	91.5											
MAX	1,830											
MIN	3.5											
AC-FT	66,260											

Note --Shifting-control method used Mar 3 to Apr 2, Apr 20 to May 29

## 2-2530 Main Canal at Vero Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	343	56	13	217	54	69	63	126	72	54	37	186
2	908	74	56	124	52	78	30	248	62	62	37	124
3	438	72	77	127	51	77	41	144	113	144	37	97
4	209	70	88	100	54	76	51	65	180	124	36	91
5	148	98	97	68	447	74	62	70	128	84	38	83
6	112	276	63	85	472	56	62	56	160	68	114	69
7	94	194	52	27	198	36	59	37	44	119	90	67
8	84	155	54	203	161	26	43	52	17	299	67	72
9	112	69	48	129	111	31	30	58	13	133	62	72
10	120	236	50	132	88	60	38	50	36	80	48	92
11	102	362	77	130	76	76	109	37	30	67	223	91
12	178	211	69	218	68	45	64	29	34	17	168	76
13	137	215	65	210	67	31	37	49	29	39	90	117
14	155	64	90	62	62	68	109	150	29	38	152	162
15	135	67	96	149	64	76	43	131	39	35	140	197
16	237	163	92	118	68	73	62	74	34	36	92	368
17	194	134	168	153	39	137	83	48	18	69	199	199
18	127	81	335	182	19	108	74	34	6.7	78	62	127
19	92	67	104	98	97	84	74	44	6.7	62	68	90
20	81	68	84	89	83	114	114	63	9.3	41	152	97
21	70	69	117	109	34	58	81	43	41	25	117	80
22	64	90	64	64	18	9.2	62	25	29	33	117	69
23	70	96	65	31	77	64	31	51	17	62	83	63
24	63	90	100	17	163	103	7.4	59	28	84	65	60
25	57	81	85	30	106	68	66	56	73	58	58	41
26	62	97	107	35	68	13	45	19	124	64	57	5.8
27	80	150	54	42	60	61	34	19	124	88	439	6.3
28	68	137	53	42	62	137	217	22	92	56	1,130	37
29	36	98	67	53	63	276	353	35	126	62	734	76
30	6.1	36	76	59	-----	111	161	39	81	60	409	73
31	12	-----	479	57	-----	65	-----	45	-----	52	272	-----
TOTAL	4,584.1	3,676	3,045	3,160	2,982	2,365.2	2,305.4	1,983	1,797.7	2,314	5,263	2,988.1
MEAN	148	123	98.2	102	103	76.3	76.8	64.0	59.9	74.6	170	99.6
MAX	908	362	479	218	472	276	353	248	187	299	1,130	368
MIN	6.1	36	13	17	18	9.2	7.4	19	6.7	17	36	5.8
AC-FT	9,090	7,290	6,040	6,270	5,910	4,690	4,570	3,930	3,570	4,590	10,440	5,930
CAL YR 1963	TOTAL 37,153.0			MEAN 102	MAX 1,830	MIN 3.5	AC-FT 73,690					
MAT YR 1964	TOTAL 36,463.5			MEAN 99.6	MAX 1,130	MIN 5.8	AC-FT 72,320					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	71	140	124	66	58	25	221	58	36	19	110	79
2	154	107	11	59	273	211	100	46	40	53	32	41
3	130	94	53	152	379	77	66	16	37	133	67	130
4	64	78	208	59	161	271	76	26	22	5.0	74	53
5	22	69	395	69	127	136	71	5.5	32	5.0	3.0	72
6	62	64	316	68	95	77	68	5.9	100	5.0	15	124
7	112	60	144	68	120	97	37	7.0	94	5.0	45	137
8	70	58	108	64	148	62	36	43	25	5.0	45	58
9	47	52	85	53	142	94	80	80	120	11	81	7.1
10	48	29	74	50	77	54	66	35	81	58	160	22
11	63	25	42	51	60	45	60	46	146	404	51	66
12	170	70	8.6	52	74	60	59	44	273	408	86	66
13	113	62	18	52	78	59	39	73	142	230	78	48
14	88	59	39	148	78	60	6.4	51	120	197	29	39
15	164	46	77	140	107	59	10	47	166	120	58	40
16	103	39	83	74	81	60	35	23	5.0	235	83	37
17	74	41	81	35	7.0	87	83	33	182	191	62	78
18	63	40	80	31	35	85	42	40	184	137	70	91
19	57	40	54	27	64	84	52	18	168	183	148	83
20	52	42	40	98	76	81	14	17	87	345	184	31
21	50	43	50	95	81	73	29	9.8	30	332	79	27
22	50	46	59	48	81	53	38	41	11	177	64	59
23	54	64	64	105	282	51	94	85	18	118	65	24
24	57	77	92	115	279	54	90	95	74	107	5.0	27
25	442	103	101	59	118	52	100	32	65	80	5.1	63
26	538	113	85	70	40	29	64	5.9	23	84	37	104
27	251	78	84	84	122	35	62	36	39	74	63	66
28	129	53	87	66	136	103	34	20	70	59	89	107
29	103	70	87	60	-----	343	63	30	4.6	60	121	108
30	92	180	74	68	-----	138	69	39	4.6	167	136	91
31	83	-----	66	52	-----	101	-----	33	-----	190	80	-----
TOTAL	3,576	2,042	2,889.6	2,139	3,152.0	3,118	1,875.4	1,191.1	2,378.2	4,081.0	2,291.1	1,915.1
MEAN	115	66.1	93.2	69.0	113	101	62.5	38.4	79.3	132	73.9	63.8
MAX	538	180	395	148	282	379	221	95	273	408	3.0	137
MIN	22	25	8.6	27	7.0	25	6.4	5.5	4.6	5.0	3.0	7.1
AC-FT	7,090	4,050	5,730	4,240	6,250	6,180	3,720	2,360	4,720	8,090	4,540	3,800
CAL YR 1964	TOTAL 33,668.0			MEAN 92.0	MAX 1,830	MIN 5.8	AC-FT 66,780					
MAT YR 1965	TOTAL 33,668.0			MEAN 84.0	MAX 1,130	MIN 5.8	AC-FT 66,780					

2-2535 South Canal near Vero Beach, Fla

Location --Lat 27°36'11", long 80°23'24", in SW 1/4 sec 13, T 33 S, R 39 E, on right bank 1,000 ft upstream from bridge on State Highway 605 and 2.5 miles south of Vero Beach, Indian River County

Records available --October 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Feb 28, 1952, graphic water-stage recorder at downstream side of bridge 1,000 ft downstream at datum 1.26 ft lower Feb 28, 1952, to Nov 6, 1957, graphic water-stage recorder 20 ft upstream from bridge at datum 0.46 ft lower Nov 7, 1957, to May 11, 1965, graphic water-stage recorder at present site and datum

Average discharge --15 years, 38.2 cfs (27,660 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 26, 1961	607	6 52	July 31, 1961	3 2	a 2 40
1962	Sept 21, 1962	748	7 13	May 29, 1962	3 1	b 2 46
1963	Sept 24, 1963	1,930	c 10 97	Dec 20, 21, 1962	3 1	d 2 65
1964	Aug 27, 1964	1,280	10 98	May 15, 1964	3 8	e 2 49
1965	Sept 7, 1965	648	f 7 52	May 13, 1965	2 0	g 2 38

a Occurred Sept 1, 1961

b Occurred Oct 8, 9, 1961

c From floodmarks

d Occurred June 7, 1963

e Occurred Dec 9, 1963

f Occurred Sept 30, 1965

g Occurred Apr 19-21, 1965

1950-65 Maximum discharge, 1,930 cfs Sept 24, 1963, maximum gage height, 10.98 ft Aug 27, 1964, minimum discharge, 2.0 cfs Aug 14-16, 1966, May 13, 1965, minimum gage height, 1.70 ft June 20, 21, 23, 24, 1957 (site and datum then in use)

Remarks --Records fair prior to Oct 1, 1962, poor thereafter Considerable pumping into canal for drainage above station Since Jan 6, 1956, low flow regulated by control upstream Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	214	49	9.6	8.0	8.9	7.7	9.3	4.8	12	7.4	3.8	8.1
2	112	37	8.9	8.0	8.9	8.0	7.8	6.6	12	7.4	5.5	7.8
3	90	14	8.9	7.7	9.6	7.7	7.8	5.9	12	7.8	8.5	8.1
4	75	13	8.9	7.4	9.6	8.0	7.4	5.5	11	8.1	12	8.5
5	66	13	8.9	7.7	9.3	8.0	7.0	5.5	10	8.5	13	8.5
6	61	13	8.9	7.7	8.9	7.7	7.4	5.5	10	40	13	8.5
7	77	12	9.3	7.7	9.3	7.7	7.8	6.3	13	30	12	8.5
8	73	12	9.3	7.4	9.3	7.4	7.4	7.0	14	29	18	8.1
9	41	12	9.3	8.3	8.9	7.4	7.4	7.0	12	33	11	8.5
10	31	12	9.3	8.0	8.9	7.1	7.4	11	13	41	10	8.1
11	25	12	9.3	7.7	8.9	6.9	7.4	10	25	19	10	7.0
12	27	12	9.6	9.3	8.6	7.1	7.4	6.3	23	7.4	10	6.6
13	20	12	8.9	167	8.6	9.6	7.4	7.0	23	7.4	9.6	6.6
14	20	12	8.6	107	8.3	37	7.3	7.0	22	7.0	9.3	12
15	20	12	9.3	24	8.3	7.4	7.4	7.0	14	7.0	36	12
16	19	12	9.3	61	8.3	7.0	7.0	7.8	9.3	6.3	57	8.5
17	17	12	8.6	47	8.0	7.0	7.4	8.5	21	6.3	37	8.1
18	17	12	8.3	10	8.3	9.5	7.0	8.5	32	6.3	37	8.9
19	16	12	8.3	9.6	8.3	14	7.4	9.3	20	5.9	9.3	8.5
20	16	11	7.7	9.6	8.0	11	7.0	9.6	7.4	5.9	10	8.1
21	16	11	7.7	9.6	8.0	9.6	6.6	10	7.4	5.5	10	7.8
22	15	11	7.7	9.3	8.0	9.3	6.6	12	11	5.1	136	7.0
23	15	11	7.7	9.3	7.7	8.9	7.0	16	15	5.1	146	6.6
24	14	11	7.7	9.3	8.0	8.5	7.4	14	7.8	4.8	44	6.6
25	14	11	7.7	9.3	7.7	8.1	7.4	12	10	4.4	20	6.6
26	13	12	7.4	9.3	7.7	8.5	7.0	82	82	4.1	9.6	6.3
27	13	11	7.7	9.3	7.7	8.1	6.6	48	17	4.1	9.6	6.3
28	13	10	7.7	8.9	7.7	8.1	7.0	16	17	4.1	69	6.3
29	13	10	7.7	8.9	-----	8.5	6.6	98	35	3.8	91	5.9
30	13	10	7.7	8.9	-----	7.8	6.3	77	7.0	3.8	35	7.0
31	22	-----	8.0	8.9	-----	8.1	-----	12	-----	3.8	46	-----
TOTAL	1,193	414	263.9	631.1	237.7	286.7	218.4	543.1	524.9	339.3	948.2	235.4
MEAN	38.5	13.8	8.51	20.4	8.9	9.25	7.28	17.5	17.5	10.9	30.6	7.85
MAX	214	49	9.6	167	9.6	37	9.3	98	82	41	146	12
MIN	13	10	7.4	7.4	7.7	6.9	6.3	4.8	7.0	3.8	3.8	5.9
AC-FT	2,370	821	523	1,250	471	569	433	1,080	1,040	673	1,880	467

CAL YR 1960 TOTAL 20,939.9

MEAN 57.2

MAX 1,460

MIN 7.4

AC-FT 41,530

WAT YR 1961 TOTAL 5,835.7

MEAN 16.0

MAX 214

MIN 3.8

AC-FT 11,570



## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.9	6.4	6.4	3.9	3.9	6.9	5.3	6.9	5.8	39	12	10
2	6.4	5.8	6.4	3.9	3.9	7.5	5.3	6.4	5.8	8.0	11	11
3	5.8	6.4	5.8	3.9	3.9	9.1	5.3	6.4	5.3	5.8	10	14
4	5.3	5.3	5.8	3.9	3.9	13	5.3	6.9	5.3	5.8	9.6	31
5	5.3	6.9	5.8	3.9	3.9	7.5	5.3	20	5.3	8.0	9.6	37
6	33	6.9	6.4	3.9	4.3	6.9	4.8	17	4.8	8.5	9.1	28
7	48	6.4	6.4	3.9	4.3	6.9	51	16	6.4	7.5	24	21
8	16	6.4	5.3	4.3	4.3	6.9	131	6.9	6.4	8.5	21	20
9	4.3	6.9	5.3	3.9	4.3	7.5	24	6.9	4.3	9.6	16	17
10	4.3	6.4	5.3	3.9	4.3	7.5	5.8	6.9	4.3	9.1	17	15
11	44	6.4	6.4	4.3	3.9	7.5	5.8	6.9	4.8	121	15	15
12	4.8	6.4	6.4	4.8	3.9	6.9	5.8	6.9	4.8	99	14	16
13	4.8	6.4	4.8	4.8	3.9	6.9	6.4	7.5	9.8	115	13	16
14	4.3	6.9	4.8	5.8	3.9	6.9	6.4	6.9	5.8	43	100	186
15	4.3	7.5	5.3	3.9	3.9	8.0	6.4	6.9	6.4	6.9	17	152
16	4.3	6.9	4.8	3.9	4.8	8.5	6.4	7.5	134	6.4	11	17
17	3.5	6.9	4.3	3.9	4.3	7.5	6.4	6.4	70	6.4	10	18
18	4.3	6.9	5.3	3.9	4.3	7.5	6.4	6.9	6.4	6.9	8.0	20
19	4.3	6.9	30	3.9	4.3	8.0	6.9	6.9	6.4	6.9	7.5	22
20	4.3	8.0	33	4.3	4.3	8.0	6.9	7.5	6.4	6.4	6.9	29
21	4.3	7.5	57	4.3	4.8	8.0	6.4	7.5	6.4	118	6.4	231
22	3.9	7.5	82	4.3	4.8	8.0	6.4	7.5	6.4	47	5.3	69
23	3.9	4.1	93	4.3	4.8	11	6.4	6.4	6.9	6.4	5.8	170
24	3.9	13	91	4.3	5.8	6.9	6.4	6.4	6.9	6.4	6.9	279
25	5.8	9.1	87	4.8	5.8	19	6.4	6.9	7.5	6.4	6.9	94
26	4	8.0	36	4.8	5.8	37	6.4	5.8	6.4	7.5	7.5	18
27	4.3	8.0	10	4.3	5.8	7.5	6.9	5.8	6.4	7.5	7.5	15
28	4.8	6.9	80	4.3	6.4	5.8	7.5	8.0	6.4	6.9	6.9	13
29	6.9	6.9	8.5	3.9	-----	4.8	6.4	3.9	5.8	6.9	7.5	11
30	6.4	6.4	4.3	3.9	-----	4.8	6.9	4.3	39	6.9	7.5	13
31	6.4	-----	4.3	4.3	-----	4.8	-----	5.3	-----	8.0	9.6	-----
TOTAL	273.6	215.4	717.1	130.4	126.5	273.0	373.0	258.4	406.6	755.6	419.5	1,608
MEAN	8.83	7.18	23.1	4.21	4.52	8.81	12.4	8.34	13.6	24.4	13.5	53.6
MAX	48	13	93	5.8	6.4	37	131	134	121	100	100	279
MIN	3.5	5.3	4.3	3.9	3.9	4.8	4.8	3.9	4.3	5.8	5.3	10
AC-FT	543	427	1,420	259	251	541	740	513	806	1,500	832	3,190
CAL YR 1961	TOTAL 5,170.9			MEAN 14.2		MAX 167		MIN 3.5		AC-FT 10,260		
WAT YR 1962	TOTAL 5,557.1			MEAN 15.2		MAX 279		MIN 3.5		AC-FT 11,020		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	11	8.0	4.8	14	9.6	5.8	6.9	4.7	13	27	11
2	13	10	8.0	5.3	7.5	10	6.4	7.5	5.7	7.1	9.1	10
3	11	10	7.5	4.3	5.3	9.1	5.8	9.6	5.7	7.3	9.1	10
4	11	10	8.0	4.8	8.0	8.5	5.8	9.1	65	7.5	9.9	10
5	11	9.6	7.5	5.3	6.9	8.5	6.4	16	81	30	11	10
6	10	9.1	7.5	5.8	5.8	8.0	5.8	4.8	56	26	18	68
7	9.6	9.1	6.4	6.4	5.3	9.1	7.5	3.9	11	18	31	258
8	9.1	10	6.9	5.8	5.3	8.0	7.5	3.9	16	7.6	10	182
9	9.6	250	5.8	5.8	4.8	9.1	7.5	4.3	16	6.9	10	184
10	10	137	4.8	4.3	4.8	9.6	6.9	4.2	16	7.0	11	20
11	10	71	4.8	4.8	5.3	8.5	7.5	4.2	16	38	15	47
12	10	18	4.8	4.8	7.5	8.5	7.5	4.3	14	35	57	49
13	11	16	4.8	4.8	5.3	9.1	6.9	4.3	22	6.8	13	50
14	10	14	4.8	5.8	4.8	8.5	6.9	4.3	18	6.7	29	50
15	9.6	14	9.1	5.8	5.8	8.5	6.9	4.3	16	6.7	31	54
16	8.0	13	3.9	5.8	6.4	8.5	5.8	4.3	20	6.8	32	55
17	9.1	12	3.5	6.4	6.4	8.5	6.4	4.2	14	7.0	23	62
18	9.1	11	3.5	6.4	5.3	8.5	6.4	3.8	14	10	11	62
19	8.5	11	4.3	5.8	7.5	9.1	5.8	3.8	12	15	11	66
20	8.5	11	3.5	5.3	7.5	9.1	5.8	3.8	6.4	7.1	21	424
21	8.0	10	3.5	6.4	8.0	8.0	5.8	3.8	6.4	7.3	33	143
22	9.1	11	3.9	6.4	7.5	8.0	5.3	3.9	6.6	8.3	58	114
23	9.6	9.6	3.9	5.8	8.5	7.5	5.3	4.1	6.8	24	115	358
24	9.1	9.6	3.9	5.8	9.1	6.9	5.3	25	10	16	13	1,010
25	9.1	9.6	4.3	6.4	9.6	7.5	4.8	22	24	7.9	11	1,660
26	9.1	9.6	4.3	6.9	130	7.5	5.8	4.1	26	8.0	11	1,140
27	9.1	9.6	5.3	6.9	83	7.5	6.9	5.1	38	8.2	11	522
28	9.1	9.6	5.8	5.8	9.6	6.9	5.3	12	24	8.3	10	244
29	10	8.5	4.8	8.8	-----	6.9	4.3	6.1	19	11	10	151
30	10	8.0	5.3	6.4	-----	15	4.8	11	19	19	10	111
31	11	-----	5.8	5.8	-----	13	-----	18	-----	12	11	-----
TOTAL	303.2	701.9	168.2	179.7	394.8	271.0	184.9	226.6	609.3	399.5	682.1	7,135
MEAN	9.8	23.6	5.3	5.80	12.4	8.74	6.16	7.1	20.3	12.9	22.0	522
MAX	13	250	9.1	8.8	130	15	7.5	25	81	38	115	1,660
MIN	8.0	8.0	3.5	4.3	4.8	6.9	4.3	3.8	4.7	6.7	9.1	10
AC-FT	601	1,390	334	356	783	538	367	449	1,210	792	1,350	14,150
CAL YR 1962	TOTAL 5,524.3			MEAN 15.1		MAX 279		MIN 3.5		AC-FT 10,960		
WAT YR 1963	TOTAL 11,256.2			MEAN 30.8		MAX 1,660		MIN 3.5		AC-FT 22,330		

2-2535 South Canal near Vero Beach, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	145	15	13	87	34	9.9	7.1	5.3	22	8.7	18	50
2	368	14	13	29	26	9.9	7.1	6.9	23	8.9	23	61
3	221	14	12	45	21	9.6	6.9	5.7	75	27	11	52
4	148	14	12	43	22	10	7.1	8.0	50	48	12	48
5	108	22	12	42	290	10	7.3	12	10	32	18	41
6	85	45	12	40	239	10	7.5	9.5	29	44	150	33
7	73	37	12	64	102	10	7.5	4.6	67	64	127	22
8	64	18	12	24	90	10	7.9	4.6	8.1	205	37	38
9	72	16	12	15	60	10	7.9	4.6	7.7	57	132	34
10	66	108	12	14	50	10	7.9	4.1	7.7	60	111	54
11	63	191	12	14	43	9.8	8.1	4.3	7.7	31	157	44
12	76	120	12	44	39	9.8	8.1	4.5	12	6.7	236	36
13	65	103	12	36	36	9.5	8.1	4.5	14	13	160	63
14	83	34	12	21	34	9.5	7.9	10	7.7	29	230	64
15	128	16	12	23	33	9.8	7.9	13	8.1	18	239	77
16	368	16	12	23	31	10	7.9	4.0	8.3	7.8	150	136
17	294	14	15	31	19	12	7.5	4.3	8.7	42	95	75
18	145	30	14	36	10	11	7.5	4.1	8.7	64	63	63
19	96	14	15	29	11	11	7.7	4.5	8.7	26	20	51
20	75	13	14	29	9.9	11	7.3	4.6	9.5	24	141	48
21	63	12	14	41	9.6	10	6.9	4.5	12	18	62	44
22	56	12	13	44	10	10	6.5	4.6	22	26	29	43
23	53	12	13	42	9.9	11	5.9	5.0	9.5	31	79	41
24	53	12	14	39	9.0	10	5.9	5.5	9.8	55	120	38
25	30	12	13	36	9.9	9.8	6.5	5.7	14	45	14	29
26	17	14	12	27	9.9	9.8	6.3	5.3	33	56	114	11
27	16	14	12	26	10	9.8	7.1	5.5	71	37	480	12
28	10	14	12	24	10	13	5.7	5.7	56	78	894	12
29	16	14	12	31	9.9	19	10	7.9	8.5	51	323	13
30	15	14	12	36	-----	21	4.8	7.3	19	36	142	61
31	15	-----	184	36	-----	12	-----	9.1	-----	11	91	-----
TOTAL	3,093	908	579	1,090	1,289.0	338.2	225.1	189.2	647.7	1,260.1	4,478	1,394
MEAN	99.8	32.3	18.7	35.2	44.5	10.9	7.50	6.0	21.6	40.6	144	46.5
MAX	368	191	184	87	290	21	13	13	75	205	894	136
MIN	15	12	12	14	9.6	9.5	4.8	4.0	7.7	6.7	11	11
AC-FT	6,130	1,720	1,150	2,160	2,566	671	446	375	1,280	2,500	8,880	2,760
CAL YR 1963	TOTAL	14,722.9	MEAN	40.3	MAX	1,650	MIN	3.8	AC-FT	29,200		
WAT YR 1964	TOTAL	15,551.3	MEAN	42.5	MAX	894	MIN	4.0	AC-FT	30,850		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	48	15	8.2	7.8	8.4	115	14	28	3.9	52	11
2	47	43	15	8.1	39	8.0	37	13	23	4.8	3.5	10
3	100	38	15	7.9	20	133	4.3	3.1	24	4.8	195	10
4	45	47	38	7.8	12	100	3.5	3.9	29	5.3	101	11
5	12	35	152	8.0	7.9	66	3.5	4.9	28	5.8	32	23
6	80	33	133	7.8	8.0	54	3.1	5.8	44	5.3	18	194
7	59	31	46	7.7	8.4	53	2.8	6.4	43	5.8	33	366
8	10	30	34	7.6	14	39	2.8	6.9	61	5.3	30	232
9	50	29	29	7.6	13	40	2.5	29	65	6.4	50	13
10	11	22	26	7.4	9.2	37	2.5	21	85	12	236	11
11	12	15	18	7.3	8.2	35	2.8	3.5	67	113	50	9.6
12	87	15	10	7.2	8.2	24	2.8	12	126	182	5.8	9.1
13	52	15	10	7.3	8.2	3.9	2.8	13	110	5.8	5.8	8.8
14	44	15	10	7.2	8.3	30	3.1	9.1	91	4.8	5.8	8.9
15	66	15	9.8	7.3	8.4	45	3.1	6.4	137	115	5.8	9.2
16	40	15	9.8	7.4	8.4	39	3.5	2.2	96	26	93	9.2
17	29	15	9.8	7.4	8.4	51	2.5	2.8	115	26	179	58
18	25	15	9.6	7.3	8.7	40	41	6.4	118	24	204	56
19	22	15	9.5	7.3	8.8	18	76	16	118	25	103	43
20	21	15	9.4	7.3	8.9	2.5	2.5	15	73	212	238	8.7
21	21	15	9.3	7.3	9.1	24	2.5	3.9	30	249	182	8.6
22	20	15	9.3	7.4	9.6	38	6.9	22	50	142	114	8.5
23	20	15	9.2	7.5	55	26	15	30	45	51	51	54
24	20	15	9.3	7.6	25	24	12	17	44	5.8	10	56
25	103	15	9.0	7.6	8.5	21	78	6.9	30	5.3	10	9.4
26	151	15	8.8	7.6	8.2	5.8	34	8.0	5.3	5.8	9.6	32
27	52	15	8.7	7.6	30	2.5	19	8.5	6.4	5.3	9.6	55
28	38	15	8.5	7.6	8.6	19	14	8.0	6.4	5.3	9.6	25
29	36	15	8.3	7.6	-----	83	23	14	39	5.3	30	96
30	34	15	8.2	7.7	-----	30	11	11	3.5	6.9	117	102
31	32	-----	8.0	7.8	-----	21	-----	12	-----	32	11	-----
TOTAL	1,343	647	714.5	234.3	376.8	1,199.1	555.0	335.6	1,760.6	1,306.7	2,194.5	1,548.0
MEAN	43.3	21.6	23.0	7.56	13.5	38.7	18.5	10.8	58.7	42.2	70.8	51.6
MAX	151	48	152	8.2	55	133	115	30	137	249	238	366
MIN	11	15	8.0	7.2	7.8	2.5	2.5	2.2	3.5	3.9	3.5	8.5
AC-FT	2,060	1,280	1,420	465	747	2,380	1,100	666	3,490	2,590	4,350	3,070
CAL YR 1964	TOTAL	13,615.8	MEAN	37.2	MAX	894	MIN	4.0	AC-FT	27,010		
WAT YR 1965	TOTAL	12,215.1	MEAN	33.5	MAX	366	MIN	2.2	AC-FT	24,230		

2-2560 Fisheating Creek near Venus, Fla

Location (revised) --Lat 27°03'43", long 81°25'38", on line between secs 21 and 28, T 39 S, R 29 E, near right bank on downstream side of bridge on State Highway 731, 2.6 miles downstream from Bootheel Creek, 4 1/4 miles west of Venus, Highlands County, and 14 miles upstream from Palmdale gage

Drainage area --188 sq mi (revised)

Records available --February 1955 to September 1965

Gage --Digital water-stage recorder Datum of gage is 46.52 ft above mean sea level, datum of 1929 Prior to Jan 12, 1965, graphic water-stage recorder at site 0.4 mile upstream at same datum Jan 12, 1965, to Apr 27, 1965, graphic water-stage recorder at present site and datum

Average discharge --10 years, 140 cfs (101,400 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,000 cfs), water years 1961-65									
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time
Oct 1, 1960	2400	1,630	14.43	July 13, 1962	2100	2,130	14.84	Feb 6, 1964	2400
Oct 8, 1960	2400	1,570	14.38	Sept 1, 1962	1500	1,850	14.62	Sept 14, 1964	0330
Jan 14, 1961	2130	* 1,770	14.55	Sept 22, 1962	0330	* 3,340	15.77		
June 23, 1962	1830	1,130	13.99	Feb 28, 1963	0300	* 643	13.31	Aug 31, 1965	0845
June 30, 1962	2400	1,220	14.08						

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 9, 15-26, 1961	0	a 9.34	1964	Many days	0	d 8.96
1962	Many days	0	b 8.86	1965	do	0	e 8.44
1963	May 19-21, 1963	0	c 9.24				

a Occurred May 26, 1961 b Occurred Mar 25, 1962 c Occurred May 21, 1963  
d Occurred May 31, 1964 e Occurred May 30, 1965

1955-65 Maximum discharge, 5,120 cfs June 18, 1959, maximum gage height, 16.98 ft Sept 11, 1960, no flow at times in some years, minimum gage height, 7.17 ft June 20, 1956

Remarks --Records good except those prior to Aug 5, 1963, which are fair, and those for period Aug 5, 1963, to Sept 30, 1964, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,510	89	7.4	5.7	42	9.1	65	.50	10	19	.60	754
2	1,510	171	6.6	5.7	38	7.1	109	.90	7.6	10	1.50	601
3	1,160	205	6.3	5.4	37	6.4	101	.90	5.1	6.6	1.3	410
4	810	106	5.7	4.8	49	7.4	81	.40	3.7	14	3.2	289
5	601	133	5.5	4.5	59	4.9	61	.50	2.5	38	7.1	208
6	477	110	5.4	4.6	56	4.6	44	.30	1.7	55	11	166
7	440	92	5.2	4.5	53	4.3	34	0	1.3	59	14	130
8	1,220	75	5.1	4.8	69	4.1	32	.10	1.2	55	17	99
9	1,450	65	4.8	6.8	82	3.8	25	0	1.1	47	28	80
10	1,100	54	4.8	18	77	3.4	20	.50	.80	34	43	73
11	840	50	4.6	18	69	3.0	18	.90	.80	29	68	72
12	662	44	5.1	17	60	2.9	14	.60	.80	33	82	66
13	538	39	5.1	9.8	52	3.4	15	.20	2.1	31	77	59
14	445	34	4.6	1,320	46	14	13	10	2.0	28	65	51
15	372	29	4.6	1,550	40	25	10	0	1.5	24	51	41
16	318	26	7.6	1,020	35	27	7.8	0	2.2	18	38	35
17	276	24	8.1	655	31	21	6.1	0	2.3	12	34	33
18	232	21	7.4	499	27	17	4.8	0	1.8	18	31	78
19	200	19	6.6	396	24	85	3.5	0	1.3	24	26	27
20	178	17	6.0	302	21	151	2.5	0	.80	26	21	27
21	176	15	6.1	239	19	135	2.1	0	.50	24	20	52
22	160	14	7.2	194	17	107	1.7	0	.50	20	30	46
23	139	12	6.9	159	15	83	1.4	0	1.1	14	45	34
24	120	12	6.6	130	14	64	1.1	0	4.1	8.7	58	25
25	107	11	7.4	106	12	46	1.0	0	9.0	5.2	86	18
26	95	10	7.6	91	12	31	.90	0	13	3.4	179	13
27	87	9.7	6.9	80	10	22	.90	.90	14	2.9	233	11
28	73	9.0	6.4	71	9.0	16	.80	1.4	26	2.9	196	9.9
29	66	8.3	6.1	63	-----	12	.80	3.5	39	2.9	164	8.8
30	59	7.9	5.8	55	-----	9.9	.70	9.6	30	1.9	213	9.2
31	53	-----	5.5	48	-----	8.1	-----	12	-----	1.1	432	-----
TOTAL	15,474	1,577.9	189.0	7,175.8	1,075.0	936.4	678.10	33.80	187.80	667.6	2,274.70	3,475.9
MEAN	499	52.6	6.10	231	38.4	30.2	22.6	1.09	6.26	21.5	73.4	116
MAX	1,510	205	8.1	1,550	82	151	109	12	39	59	432	754
MIN	58	7.9	4.6	4.5	9.0	2.9	.70	0	.50	1.1	.50	8.8
CFSM	2.66	.28	.03	1.23	.20	.16	.12	-.006	.03	-.11	.39	.62
IN.	3.06	.31	.04	1.42	.21	.19	.13	-.007	.04	.13	.45	.69

CAL YR 1960. TOTAL 129,747.5 MEAN 355 MAX 4,520 MIN 3.1 CFSM 1.89 IN 25.67  
WAT YR 1961 TOTAL 33,746.00 MEAN 92.5 MAX 1,550 MIN 0 CFSM .49 IN 6.68

## 2-2560 Fisheating Creek near Venus, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	9.2	1.0	.60	.30	.30	0	.90	0	0	1,140	197	1,770	
2	7.9	.70	.60	.50	.20	0	1.1	0	0	926	184	1,480	
3	6.6	.60	.60	.40	.10	0	1.6	0	0	713	126	1,120	
4	5.4	.60	.50	.30	0	0	1.7	0	0	520	97	950	
5	4.5	1.0	.50	.40	0	0	1.1	0	0	366	81	741	
6	3.8	.80	.40	.60	0	0	.70	0	0	252	77	620	
7	3.3	1.2	.40	.70	0	0	2.6	0	0	178	119	466	
8	2.9	1.3	.20	1.0	0	0	3.4	0	.30	134	128	382	
9	2.5	.80	.20	1.3	0	0	3.1	0	.30	103	114	417	
10	2.2	.40	.10	1.0	0	0	2.3	0	.10	121	108	417	
11	2.1	.30	.10	1.0	0	0	1.7	0	.10	362	96	354	
12	1.9	.20	.10	1.1	.10	0	1.0	0	1.5	748	86	299	
13	1.8	.20	.10	1.1	10	0	.40	0	7.9	1,890	88	230	
14	1.7	.20	.10	1.1	20	0	.20	0	34	1,820	80	194	
15	1.7	.20	.40	1.0	20	0	.10	.40	40	1,430	91	189	
16	1.3	.20	.80	.60	.10	0	.10	.80	37	1,260	119	189	
17	1.1	.20	.60	.40	.10	0	0	.30	44	862	175	164	
18	1.4	.20	.40	.20	0	0	.10	.10	76	566	207	136	
19	2.9	.10	.30	.20	0	0	2.3	0	156	435	215	118	
20	4.0	.10	.20	.10	0	0	1.9	0	258	370	164	126	
21	2.7	.10	.20	.10	0	0	1.0	0	268	354	143	1,480	
22	2.3	.20	.20	.10	0	0	.60	0	578	310	230	3,160	
23	2.3	.30	.20	.20	0	0	.30	0	1,080	252	320	2,540	
24	2.1	.30	.20	.20	0	0	.20	0	1,000	197	268	1,870	
25	1.8	.50	.20	.10	0	0	.10	0	776	182	299	1,420	
26	1.4	.50	.20	.10	0	.60	0	0	720	156	458	1,060	
27	1.2	.40	.10	.10	0	9.5	0	0	554	126	638	741	
28	1.1	.60	.20	.10	0	7.2	0	0	632	103	495	530	
29	1.1	.60	.30	.80	-----	3.8	0	0	734	81	399	408	
30	1.3	.60	.30	.60	-----	2.2	0	0	1,030	67	1,140	339	
31	1.2	-----	.30	.20	-----	1.3	-----	0	-----	108	1,650	-----	
TOTAL	86.7	14.40	9.60	15.90	1.40	24.60	28.50	1.60	8,027.20	16,132	8,592	23,910	
MEAN	2.80	.48	.31	.51	.050	.79	.95	.052	268	520	277	797	
MAX	9.2	1.3	.80	1.3	.30	9.5	3.4	80	1,080	1,890	1,650	3,160	
MIN	1.1	.10	.10	.10	0	0	0	0	0	67	77	118	
CFSM	.01	.003	.002	.003	.0002	.004	.005	.0002	1.42	2.77	1.47	4.24	
IN.	.02	.003	.002	.003	.0002	.005	.006	.0003	1.59	3.19	1.70	4.73	
CAL YR 1961	TOTAL	16,615.80		MEAN	45.5	MAX	1,550	MIN	0	CFSM	.24	IN	3.29
WAT YR 1962	TOTAL	56,843.90		MEAN	156	MAX	3,160	MIN	0	CFSM	.83	IN	11.24

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	299	7.7	16	6.6	6.3	459	5.5	.10	6.9	35	9.7	6.9	
2	275	7.0	15	6.6	6.1	364	4.7	.70	8.2	27	11	9.1	
3	255	6.3	14	6.3	6.3	276	4.0	2.6	17	16	9.5	11	
4	224	6.0	13	5.9	11	215	3.4	6.3	69	11	8.0	12	
5	197	5.4	12	5.9	18	194	2.9	3.8	92	6.7	4.4	12	
6	164	4.7	12	6.1	17	146	2.6	2.1	79	5.3	4.6	21	
7	134	4.3	12	9.7	15	114	2.8	1.2	56	4.9	4.0	27	
8	103	4.7	11	10	13	91	2.4	.80	46	4.3	3.3	20	
9	89	128	12	10	11	71	2.3	.60	35	4.0	2.7	13	
10	80	222	12	9.7	10	60	2.3	.40	22	3.7	2.4	9.4	
11	69	212	12	8.9	9.1	53	2.0	.30	14	4.3	2.2	8.1	
12	61	180	11	8.5	14	45	1.9	.30	9.9	4.6	23	7.3	
13	94	151	11	8.2	24	38	1.7	.20	7.6	6.6	30	6.5	
14	40	126	10	8.3	23	32	1.6	.20	6.7	11	19	5.4	
15	40	103	10	10	22	27	1.3	.20	5.9	13	12	4.4	
16	34	83	10	10	19	26	1.4	.10	5.6	49	7.6	3.5	
17	29	77	10	10	29	27	2.0	.10	6.6	27	5.7	3.6	
18	25	61	10	9.7	32	24	1.0	.10	6.9	14	4.5	24	
19	22	52	9.7	9.1	38	21	.60	0	6.4	9.7	3.8	60	
20	19	44	9.3	8.5	75	17	.50	0	5.8	6.4	4.5	73	
21	17	39	9.3	8.9	101	14	.40	0	4.7	4.9	7.2	185	
22	15	47	8.7	9.1	94	12	.40	.20	5.2	3.8	7.2	344	
23	17	47	8.7	8.3	73	10	.30	.20	5.2	3.1	7.6	468	
24	17	63	8.3	8.2	62	9.7	.30	.50	8.2	3.3	7.2	590	
25	14	35	8.3	7.4	48	9.1	.30	.30	11	7.6	7.6	595	
26	13	30	8.2	7.4	83	8.5	.30	.20	10	8.7	15	607	
27	11	24	7.8	7.6	464	8.2	.20	30	10	8.9	25	525	
28	10	19	7.6	7.3	601	7.8	.20	1.8	11	10	24	423	
29	8.7	11	7.4	6.6	-----	7.3	.20	4.2	11	12	18	418	
30	8.0	17	7.4	6.3	-----	6.4	.10	7.6	18	12	12	414	
31	7.7	-----	7.1	6.3	-----	6.3	-----	7.1	-----	10	8.1	-----	
TOTAL	2,357.4	1,601.1	320.8	251.4	1,929.8	2,399.3	49.60	42.50	600.8	347.8	310.8	4,906.2	
MEAN	76.0	60.0	10.3	8.1	68.9	77.4	1.65	1.37	20.0	11.2	10.0	164	
MAX	299	222	16	10	601	459	5.5	7.6	92	49	30	607	
MIN	7.7	4.3	7.1	5.9	6.1	6.3	.10	0	4.7	3.1	2.2	3.5	
CFSM	.40	.32	.06	.04	.37	.41	.009	.007	.11	.06	.05	.87	
IN.	.47	.36	.06	.05	.38	.47	.01	.008	.12	.07	.06	.97	
CAL YR 1962	TOTAL	61,212.50		MEAN	168	MAX	3,160	MIN	0	CFSM	.89	IN	12.11
WAT YR 1963	TOTAL	15,317.50		MEAN	42.0	MAX	607	MIN	0	CFSM	.22	IN	3.03

Note --Subsequent to Aug. 4, stage-discharge relation affected intermittently by bridge and highway construction work about half a mile downstream

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2560 Fisheating Creek near Venus, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	324	.90	8.5	27	18	44	2.0	0	0	8.5	62	76	
2	258	.90	8.3	27	31	42	1.6	0	0	47	44	65	
3	177	.80	7.7	24	49	38	1.4	0	0	38	31	86	
4	157	.80	6.9	19	40	34	1.2	0	.10	25	21	225	
5	140	1.0	6.5	16	178	30	1.0	0	.40	16	16	482	
6	98	1.3	5.8	13	933	25	1.0	0	1.3	10	15	6	
7	75	1.4	5.2	22	1,140	22	.80	0	2.0	8.7	26	441	
8	56	1.3	4.8	55	757	19	.80	0	2.1	35	36	300	
9	36	1.2	4.6	74	540	16	.60	0	2.1	33	77	222	
10	27	22	4.0	71	387	15	.50	0	2.0	20	118	238	
11	21	98	3.8	60	280	13	.50	0	1.6	13	112	1,150	
12	10	107	3.6	55	209	11	.40	0	1.3	8.7	94	92	
13	12	101	3.5	79	160	10	.30	0	.80	6.2	85	2,250	
14	9	92	3.5	101	129	8.9	.30	0	.50	4.7	86	2,680	
15	7.4	81	3.5	98	107	7.8	.20	0	.30	3.7	99	2,160	
16	6.1	52	3.4	84	89	6.9	.10	0	.20	2.2	119	1,610	
17	6.4	31	5	74	76	7.6	0	0	.10	2.2	146	1,200	
18	5.4	27	15	74	65	9.7	0	0	.40	2.0	162	849	
19	4.6	24	21	74	75	9.7	0	0	.60	1.7	140	607	
20	3.9	21	20	69	85	8.5	0	0	.40	1.3	118	477	
21	3.2	19	18	63	81	7.2	0	0	.20	1.0	112	396	
22	2.7	16	16	56	76	5.8	0	0	.10	1.8	128	324	
23	2.2	14	14	50	74	4.7	0	0	0	3.8	138	273	
24	2.0	12	14	46	69	3	0	0	.10	5.0	142	228	
25	1.9	10	14	40	62	3.1	0	0	.40	10	138	191	
26	1.7	9.0	14	34	54	2.5	0	0	.40	63	126	160	
27	1.6	8.0	14	30	50	2.2	0	0	1.1	85	116	134	
28	1.5	7.4	13	26	46	2.3	0	0	1.3	103	121	116	
29	1.4	8.0	12	23	46	2	0	0	1.4	124	118	104	
30	1	8.2	12	20	-----	2.9	0	0	1.5	114	110	92	
31	1.0	-----	20	20	-----	2.5	-----	0	-----	89	92	-----	
TOTAL MEAN	1,440 46.5	777.20 25.9	305.7 9.86	1,525 49.2	5,906 204	418.0 13.5	12.70 .42	0	22.70 .76	887.1 28.6	2,948 95.1	19,517 651	
MAX	324	107	21	101	1,140	44	2.0	0	2.1	124	162	2,680	
MIN	1.0	.80	3.4	13	18	2.2	0	0	0	1.0	15	65	
CFSM	.25	.14	.05	.26	1.08	.07	.002	0	.004	.15	.51	3.46	
IN.	.29	.15	.06	.30	1.17	.08	.003	0	.004	.18	.58	3.86	
CAL YR	1964	TOTAL	33,361.90	MEAN	36.6	MAX	607	MIN	0	CFSM	.19	IN	2.64
WAT YR	1964	TOTAL	33,760.20	MEAN	92.2	MAX	2,680	MIN	0	CFSM	.49	IN	6.68

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	93	4.5	3.6	4.9	.70	3.0	117	.50	0	13	408	541
2	76	4.0	2.5	3.8	.90	2.5	74	.40	0	7.8	331	402
3	74	3.4	2.1	3.2	1.8	3.4	49	.20	0	9.8	307	307
4	71	3.4	2.3	2.6	2.4	5.8	37	.20	0	21	502	240
5	65	3.1	3.6	2.3	2.2	7.6	21	.10	0	62	605	170
6	62	2.6	3.7	1.9	1.9	7.0	14	.10	0	113	556	113
7	55	2.3	3.4	1.7	1.9	5.8	9.7	0	0	145	595	81
8	48	2.1	2.6	1.6	1.8	4.4	7.4	0	0	116	545	67
9	42	2.0	1.7	1.5	2.2	3.4	5.5	0	.70	105	512	75
10	36	1.9	1.7	1.4	1.5	2.6	4.1	0	12	100	437	97
11	32	1.6	1.6	1.3	1.3	2.1	3.4	0	36	87	424	93
12	13	1.7	1.4	1.2	1.2	1.7	2.9	0	65	505	708	68
13	39	1.6	1.3	1.1	1.2	1.9	2.2	0	89	61	468	68
14	38	1.5	1.3	1.0	.90	3.7	1.7	0	64	71	386	52
15	36	1.4	1.4	1.1	.80		1.4	0	46	83	308	41
16	30	1.3	1.6	1.2	.80	.6	1.3	0	29	151	234	38
17	26	1.1	1.7	1.3	.70		1.1	0	18	168	177	45
18	22	1.0	1.6	1.2	.70	.4	1.0	0	16	177	230	68
19	18	.90	1.4	1.1	.50	.1	.90	0	32	186	278	80
20	16	.80	1.3	1.0	.40	.4	.80	0	51	183	259	76
21	13	.80	1.2	1.0	.40	9.3	.70	0	42	228	309	61
22	11	.80	1.1	.90	.40	6.8	.70	0	25	431	311	45
23	9.9	.80	1.0	.90	.90	5.6	.70	0	15	430	235	34
24	8.9	.80	1.0	.90	4.1	5.3	.70	0	13	331	153	26
25	7.8	.80	.90	.90	6.6	4.4	.90	0	69	307	98	48
26	7.2	1.0	1.2	.90	6.2	3.6	1.0	0	146	289	75	160
27	7.1	1.1	4.2	.90	4.9	3.0	1.1	0	100	233	57	297
28	6.7	1.0	9.7	.80	3.8	3.8	1.0	0	61	172	54	448
29	6.5	3.4	11	.70	-----	.3	.80	0	38	139	243	564
30	5.8	4.6		.70	-----	1.8	.60	0	22	191	568	631
31	5.2	-----	6.6	.70	-----	1.9	-----	-----	-----	368	691	-----
TOTAL	991.1	57.50	88.70	45.70	52.50	675.3	358.60	1.50	999.70	5,047.6	10,860	5,042
MEAN	32.0	1.92	2.86	1.47	1.68	11.8	12.0	048	33.3	163	350.5	168
MAX	83	4.6	4.9	6.8	9.3	19.5	117	150	146	431	691	631
MIN	5.2	.80	.90	.70	.40	1.5	.60	0	0	7.8	54	26
CF5M	.17	.01	.02	.008	.01	1.2	.06	.0002	.18	.87	1.86	.89
IN.	.20	.01	.02	.009	.01	.13	.07	.0002	.20	1.00	2.15	1.00
CAL YR	1965	TOTAL	32,373.80	MEAN 88.5	MAX 2,680	MIN 0	CF5M .47	IN 6.40				
MAY YR	1966	TOTAL	24,224.20	MEAN 66.4	MAX 2,691	MIN 0	CF5M .35	IN 2.75				

## 2-2565 Fisheating Creek at Palmdale, Fla

Location --Lat 26°55'56", long 81°18'54" in SW 1/4 sec 3, T 41 S, R 30 E, near right bank on downstream side of bridge on U S Highway 27, 1 mile south of Palmdale, Glades County, and 16 miles upstream from Lake Okeechobee

Drainage area --311 sq mi (revised)

Records available --April 1931 to September 1965

Gage --Water-stage recorder Datum of gage is 27 19 ft above mean sea level, datum of 1929 Prior to Mar 16, 1949, staff gage and Mar 16, 1949, to Jan 23, 1956, water-stage recorder, at site 450 ft upstream at same datum

Average discharge --34 years, 265 cfs (191,900 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,500 cfs), water years 1961-65									
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time
Oct 11, 1960	1300	a 2,350	6 70	Sept 23, 1962	0600	* 6,420	7 39	Aug 13, 1965	0200
June 26, 1962	0500	1,670	5 89	Sept 24, 1963	2400	* 1,680	5 87	Sept 2, 1965	1000
July 3, 1962	1200	1,570	5 85						
July 15, 1962	1200	2,570	6 11	Feb 8, 1964	1800	* 1,540	5 80		
Sept 3, 1962	0500	* 2,960	6 32	Sept 15, 1964	1230	* 3,870	6 76		

a Maximum peak discharge, maximum discharge during year, 3,190 cfs Oct 1, 1960 (gage height, 6 96 ft, stage falling)

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Many days	0	a 0 96	1964	Many days	0	d 0 50
1962	do	0	b 76	1965	do	0	e 58
1963	do	0	c 94				

a Occurred May 24, 1961

b Occurred May 2, 1962

c Occurred May 1, 1963

d Occurred May 30, 1964

e Occurred May 30, 1965

1931-65 Maximum discharge, 31,400 cfs Oct 3, 1951 (gage height 12 44 ft), from rating curve extended above 21,000 cfs, no flow at times in most years, minimum gage height observed, -0 61 ft June 13, 1950

Remarks --Records good Records of chemical analyses for the water years 1961-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,660	567	36	11	88	18	41	0	8.2	1.3	4.8	415
2	2,080	378	34	10	78	15	41	0	5.5	.70	5.2	409
3	1,930	338	31	10	72	14	34	0	3.3	1.0	4.6	366
4	1,790	402	28	9.5	75	12	27	0	1.9	3.7	5.0	630
5	1,520	298	25	8.9	71	11	23	0	.60	5.9	4.6	558
6	1,290	367	23	8.2	66	9.5	27	0	0	7.3	3.5	474
7	1,130	404	21	7.8	64	9.4	40	0	0	7.7	2.8	409
8	1,120	388	19	7.4	74	7.4	52	0	0	7.1	3.1	352
9	1,480	352	18	6.9	69	6.1	54	0	.20	6.3	4.2	323
10	2,040	318	16	1.3	78	5.1	49	0	.20	7.1	5.0	347
11	2,300	286	15	15	75	4.2	41	0	0	8.5	6.1	323
12	2,060	257	14	15	72	3.7	34	0	0	11	7.3	318
13	1,660	226	13	30	70	3.3	33	0	0	14	10	378
14	1,550	198	12	73	72	5.3	35	0	0	16	19	294
15	1,490	169	11	92	73	5.7	35	0	0	16	26	246
16	1,320	145	15	492	71	5.1	30	0	0	15	31	198
17	1,120	128	17	952	66	4.6	24	0	0	14	38	161
18	952	116	17	760	60	1	20	0	0	15	47	145
19	620	107	15	598	54	100	15	0	0	17	56	142
20	720	98	14	501	48	140	12	0	0	21	55	156
21	648	89	14	426	42	117	9.8	0	0	23	50	169
22	582	82	14	367	37	92	7.8	0	0	19	49	220
23	550	76	14	318	34	83	5.7	0	0	16	49	357
24	522	70	14	278	41	94	4.4	0	0	12	53	357
25	480	64	14	250	40	109	3.2	0	1.6	10	58	302
26	444	59	13	217	31	106	2.4	0	4.0	9.4	80	257
27	404	54	12	185	24	94	1.4	0	4.0	8.5	151	207
28	378	50	12	153	20	79	0	.60	.30	3.8	7.9	166
29	367	45	12	128	-----	63	0	5.7	3.1	6.9	462	131
30	326	41	11	112	-----	48	0	11	2.1	6.3	480	112
31	318	-----	11	99	-----	36	-----	11	-----	5.0	456	-----
TOTAL	36,253	5,872	537	6,155.7	1,679	1,311.4	702.30	28.00	38.50	319.60	2,540.2	9,072
MEAN	1,169	196	17.3	199	60.0	42.3	23.4	.90	1.28	10.3	81.9	302
MAX	2,660	404	38	952	88	140	54	11	8.2	23	480	630
MIN	.318	.41	11	7.4	20	3.3	0	0	0	.70	2.8	112
CF5M	3.76	.63	.06	.64	.19	.14	.08	.003	.004	.03	.26	.97
IN.	4.34	.70	.06	.74	.20	.16	.08	.003	.005	.04	.30	1.08
CAL YR 1960-1	TOTAL 222,233	MEAN 607	MAX 7,060	MIN 11	CF5M 1.95	IN 26.59						
WAT YR 1961-1	TOTAL 64,508.70	MEAN 177	MAX 2,660	MIN 0	CF5M .37	IN 7.71						

## 2-2565 Fisheating Creek at Palmdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	105	1.9	.50	.20	.10	0	.70	0	.60	1,110	141	1,600
2	89	1.8	.50	.30	.10	0	.80	0	.90	1,260	126	2,840
3	76	1.6	.50	.30	.10	0	.60	0	2.1	1,490	109	2,840
4	66	1.5	.50	.30	.10	0	.50	0	1.8	1,180	103	2,420
5	56	1.6	.50	.40	0	0	.40	0	2.4	894	110	1,790
6	46	1.7	.50	.40	0	0	.30	0	8.0	672	129	1,470
7	39	1.7	.50	.50	0	0	.30	0	7.8	505	128	1,240
8	32	1.9	.50	.50	0	0	.40	0	12	376	122	1,160
9	28	1.6	.40	.40	0	0	.40	0	30	294	113	1,030
10	23	1.5	.40	.40	.20	0	.40	0	23	248	107	748
11	20	1.4	.40	.40	.20	0	.20	0	16	222	102	658
12	18	1.2	.40	.40	.20	0	.20	0	12	230	113	748
13	16	1.2	.40	.40	.20	0	.10	0	9.9	248	132	764
14	15	1.0	.40	.40	.20	0	0	0	19	747	155	630
15	15	1.0	.40	.40	.20	0	0	0	35	2,480	155	494
16	12	.90	.40	.40	.20	0	0	0	43	2,000	138	450
17	10	.80	.30	.40	.20	0	0	0	70	1,620	121	417
18	9.2	.80	.30	.40	.10	0	0	0	54	1,370	114	350
19	11	.70	.30	.40	.10	0	0	0	81	1,090	129	294
20	11	.60	.30	.40	.10	0	0	0	135	828	147	326
21	9.4	.60	.20	.40	0	0	0	0	184	602	163	1,440
22	7.8	.50	.20	.40	0	0	0	.40	251	483	189	4,770
23	6.4	.60	.20	.40	0	0	0	1.5	434	417	192	6,170
24	5.7	1.0	.20	.40	0	0	0	1.5	1,310	368	191	5,020
25	5.0	.90	.10	.30	0	0	0	1.3	1,470	314	168	3,860
26	4.4	.80	.10	.20	0	0	0	1.0	1,520	260	242	2,930
27	3.7	.80	.10	.20	0	0	0	.80	1,120	222	350	2,270
28	3.2	.60	.20	.30	0	.20	0	60	928	184	350	1,730
29	2.8	.60	.20	.20	-----	30	0	.50	1,050	155	588	1,330
30	2.6	.60	.20	.20	-----	40	0	.40	1,110	137	860	1,070
31	2.3	-----	.20	.20	-----	80	-----	.40	-----	142	732	-----
TOTAL	750.5	33.40	10.30	10.90	2.30	1.70	5.30	8.40	9,940.50	22,142	6,509	52,859
MEAN	24.2	1.11	.33	.35	.082	.055	.18	.27	331	714	210	1,762
MAX	105	1.9	.50	.50	.20	.80	.80	1.5	1,520	2,480	860	6,170
MIN	4.3	.50	.10	.20	0	0	0	0	.60	137	102	294
CFSM	.08	.104	.001	.001	.0002	.0001	.0005	.0008	1.07	2.30	.68	5.67
IN	.004	.004	.001	.001	.0002	.0002	.0006	.001	1.19	2.65	.78	6.32

CAL YR 1961- TOTAL 62,640.90 MEAN 62.0 MAX 95 MIN 0 CFSM .20 IN 2.71  
 MAY YR 1962- TOTAL 62,279.30 MEAN 253 MAX 6,170 MIN 0 CFSM .81 IN 11.03

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	894	27	44	12	11	154	4.6	0	48	21	3.2	18
2	780	26	41	12	10	188	3.8	0	68	21	3.6	36
3	658	24	38	11	9.4	130	3.2	.40	86	20	4.8	44
4	549	22	35	10	10	137	2.6	.80	108	19	4.2	35
5	483	21	33	9.9	11	158	2.3	.90	146	19	4.0	26
6	425	20	31	9.6	12	196	1.8	.70	544	19	3.6	46
7	368	18	29	14	12	154	1.6	.60	544	21	2.9	64
8	326	18	27	18	17	110	1.3	.60	451	21	2.1	64
9	279	16	26	18	13	72	1.0	.50	379	18	1.6	78
10	251	135	26	18	14	31	.80	.40	354	14	1.1	99
11	230	126	24	19	15	184	.60	.40	306	10	.70	103
12	199	128	23	19	19	142	.60	.30	244	8.8	.90	88
13	170	179	23	19	27	115	.60	.30	209	9.0	1.1	72
14	147	213	22	19	28	96	.40	.20	171	7.8	.80	50
15	132	197	21	20	28	81	.40	.10	132	9.0	.60	36
16	114	176	21	21	28	68	.30	.10	110	7.8	.40	26
17	108	153	21	21	37	51	.30	0	100	6.2	.30	33
18	99	135	20	20	43	47	.20	0	102	4.8	1.3	35
19	90	121	20	20	47	40	.20	0	97	3.8	5.0	37
20	81	108	20	19	64	33	.10	0	86	3.8	7.1	44
21	74	97	19	20	67	28	.10	0	71	8.8	9.2	66
22	68	87	19	21	64	24	0	0	56	13	12	234
23	66	79	18	20	62	21	0	.10	44	13	12	780
24	62	72	18	19	66	18	0	.10	34	12	11	1,550
25	54	66	17	18	80	16	0	.10	28	12	11	1,500
26	47	60	16	17	104	14	0	0	26	11	18	1,210
27	42	56	16	16	221	12	0	2.9	25	10	25	1,050
28	37	52	15	15	265	9.5	0	11	25	8.2	25	968
29	33	50	15	14	-----	7.8	0	11	25	6.9	22	884
30	30	47	14	13	-----	6.4	0	9.5	22	5.6	18	800
31	29	-----	13	12	-----	5.4	-----	16	-----	4.2	15	-----
TOTAL	6,930	2,609	725	514.5	1,379.4	5,254.1	26.80	57.00	4,661	368.7	227.50	10,106
MEAN	224	87.0	23.4	16.6	49.3	169	.89	1.84	155	11.9	7.34	337
MAX	894	213	44	21	265	638	4.6	16	544	21	25	1,550
MIN	29	18	13	9.6	9.4	5.4	0	0	22	3.8	18	294
CFSM	.72	.28	.08	.05	.16	.54	.003	.006	.50	.04	.02	1.08
IN	.83	.31	.09	.06	.16	.63	.003	.007	.55	.04	.03	1.21

CAL YR 1962- TOTAL 101,749.10 MEAN 279 MAX 6,170 MIN 0 CFSM .90 IN 12.17  
 MAY YR 1963- TOTAL 32,839.00 MEAN 90.0 MAX 1,550 MIN 0 CFSM .29 IN 3.93

## 2-2565 Fisheating Creek at Palmdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	640	3.8	39	60	58	86	3.4	0	0	0	35	141
2	602	3.5	34	56	54	79	2.9	0	0	0	45	139
3	593	3.0	30	50	49	74	2.5	0	0	0	52	169
4	539	2.7	27	47	51	68	2.2	0	0	0	55	188
5	458	2.7	25	46	286	64	1.9	0	0	0	53	218
6	374	2.8	22	46	720	58	1.6	0	0	0	48	218
7	300	2.7	20	62	1,140	53	1.3	0	0	0	42	438
8	242	2.4	19	109	1,480	49	1.1	0	0	.30	37	980
9	206	2.2	17	112	1,340	45	.90	0	.20	10	39	882
10	175	13	16	117	996	41	.80	0	.20	16	58	700
11	148	70	14	130	760	37	.80	0	.40	15	76	584
12	134	112	13	153	630	32	.70	0	.40	12	81	557
13	117	157	12	203	522	28	.60	0	.40	9.8	81	1,520
14	91	203	11	212	429	24	.50	0	.30	9.2	100	2,740
15	70	230	11	195	362	21	.40	0	.20	8.8	142	3,540
16	56	250	12	182	305	19	.40	0	.20	7.8	180	3,440
17	51	227	21	180	250	19	.20	0	.10	6.4	169	2,940
18	42	195	54	190	215	18	.20	0	.10	5.3	136	2,420
19	32	163	68	182	203	17	.10	0	0	4.5	112	1,990
20	25	137	67	169	175	16	.10	0	0	3.6	104	1,660
21	20	116	60	153	153	16	0	0	0	3.2	107	1,380
22	17	92	56	137	137	15	0	0	0	4.2	126	1,140
23	14	76	52	128	130	13	0	0	0	3.5	144	980
24	12	64	52	119	124	11	0	0	0	2.9	150	828
25	10	54	52	109	122	8.8	0	0	0	3.2	137	720
26	8.6	46	49	99	117	7.6	0	0	0	4.6	122	640
27	7.6	40	46	90	109	6.6	0	0	0	4.0	125	557
28	6.6	35	43	83	101	5.6	0	0	0	3.4	151	490
29	5.8	38	40	77	94	5.2	0	0	0	5.0	173	429
30	4.9	44	38	70	-----	4.5	0	0	0	16	171	374
31	4.3	-----	52	64	-----	3.8	-----	0	-----	27	157	-----
TOTAL	5,005.8	2,387.8	1,072	3,630	11,132	945.1	22.60	0	2.50	185.70	3,208	33,002
MEAN	161	79.6	34.6	117	384	30.5	.75	0	.083	5.99	103	1,101
MAX	640	250	68	212	1,480	86	3.4	0	.40	27	180	3,540
MIN	6.3	2.2	11	46	3.8	4.9	0	0	0	0	35	139
CFSM	.52	.26	.11	.38	1.23	.10	.002	0	.0002	.02	.33	3.54
IN.	.60	.29	.13	.43	1.33	.11	.003	0	.0002	.02	.38	3.95
CAL YR 1963	TOTAL	31,040.60	MEAN	85.0	MAX	1,550	MIN	0	CFSM	.27	IN	3.71
WAT YR 1964	TOTAL	60,553.50	MEAN	166	MAX	3,540	MIN	0	CFSM	.53	IN	7.25

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	350	20	1.0	1.0	.70	2.3	5.9	.70	0	131	604	1,030
2	350	18	.80	.90	.70	12.6	5.9	.60	0	127	787	1,580
3	315	17	.80	.70	.70	11.7	5.9	.60	0	113	1,160	1,330
4	320	16	.90	1.1	.60	24	18	.30	0	101	1,030	960
5	280	14	1.0	1.7	.60	33	39	.20	0	88	850	616
6	230	13	.90	2.2	.60	29	51	.20	0	89	1,030	480
7	196	11	.80	2.4	1.3	72	53	.10	0	99	1,400	380
8	178	8.8	.80	2.6	1.3	19	46	.60	.10	99	1,290	335
9	162	8.6	.70	2.4	1.1	15	37	0	1.0	93	1,290	353
10	144	7.6	.70	2.1	1.1	13	28	0	2.6	105	1,290	335
11	132	6.1	.70	2.0	.90	11	21	0	22	144	1,290	315
12	126	5.0	.70	1.9	.80	10	15	0	55	202	1,470	283
13	118	4.2	.90	1.7	.80	8.9	10	0	57	210	1,510	265
14	110	3.7	1.2	1.6	.80	9.2	6.7	0	34	218	1,420	250
15	105	3.3	1.4	1.5	.70	20	4.2	0	35	252	1,270	234
16	97	3.0	1.5	1.5	.70	24	3.0	0	65	307	982	271
17	88	2.6	1.5	1.3	.70	22	2.2	0	104	286	703	265
18	82	2.3	1.4	1.3	.70	20	1.6	0	146	319	916	230
19	77	2.1	1.3	1.3	.70	20	1.3	0	226	358	808	216
20	70	2.0	1.2	1.3	.70	24	1.1	0	208	422	592	196
21	64	1.8	1.1	1.2	.70	32	1.0	0	150	422	488	172
22	50	1.6	1.0	1.2	.80	35	.90	0	106	376	440	150
23	50	1.5	.90	1.2	1.4	34	.80	0	101	340	422	136
24	43	1.4	.80	1.2	2.3	31	.60	0	130	323	480	130
25	38	1.3	.80	1.1	3.0	25	1.1	0	166	488	410	131
26	34	1.2	.80	1.0	2.6	21	2.3	0	250	682	366	142
27	30	1.1	.90	1.0	2.4	18	2.7	0	206	592	307	212
28	27	1.1	1.1	.80	2.3	17	1.6	0	162	520	274	248
29	26	1.1	1.1	.80	-----	13	1.2	0	131	496	289	292
30	24	1.1	1.0	.70	-----	9.5	1.0	0	126	504	782	724
31	22	-----	1.0	.70	-----	7.0	-----	0	-----	556	916	-----
TOTAL	3,944	182.5	10.70	43.30	31.70	581.5	368.50	2.60	2,483.70	9,062	26,866	12,261
MEAN	127	6.08	.99	1.40	1.13	18.8	12.3	.084	82.8	292	867	409
MAX	350	20	1.5	2.4	3.0	35	53	.70	250	682	1,510	1,580
MIN	22	1.1	.70	.70	.60	2.3	.60	0	0	88	274	130
CFSM	.41	.02	.003	.004	.004	.06	.06	.0002	.27	.94	2.79	1.31
IN.	.47	.02	.004	.005	.004	.07	.04	.0003	.30	1.08	3.21	1.47
CAL YR 1964	TOTAL	56,265.10	MEAN	154	MAX	3,540	MIN	0	CFSM	.49	IN	6.73
WAT YR 1965	TOTAL	59,857.50	MEAN	153	MAX	1,580	MIN	0	CFSM	.49	IN	6.68



## 2-2578 Harney Pond Canal at S-71, near Lakeport, Fla

Location --Lat 27°02'00", long 81°04'15", in NE $\frac{1}{4}$  sec 1, T 40 S, R 32 E, near left bank 220 ft upstream from control structure 71, 0.1 mile west of State Highway 721, 2.3 miles upstream from bridge on State Highway 78, and 5 $\frac{1}{4}$  miles northeast of Lakeport, Glades County

Records available --October 1962 to September 1965

Gage --Digital water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Nov 27, 1962, graphic water-stage and deflection-meter recorder at same site and datum

Extremes --1962-63 Maximum daily discharge during water year, 1,770 cfs Jan 24, maximum gage height, 22 71 ft Mar 19, no flow for many days, minimum gage height, 16 45 ft June 4  
1963-64 Maximum daily discharge during water year, 1,530 cfs Sept 16, maximum gage height, 23 56 ft May 21, no flow for many days, minimum gage height, 16 40 ft Feb 27  
1964-65 Maximum daily discharge during water year, 643 cfs Aug 7, maximum gage height, 21 50 ft Oct 22, no flow for many days, minimum gage height, 15 61 ft July 25

Remarks --Records poor Flow regulated by control structure 71 Since November 1962, discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR (OCTOBER) 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,510	0	0	0	87	1,090	650	0	155	0	0	0
2	1,320	0	0	0	182	910	617	0	96	174	0	0
3	78	0	0	0	64	994	622	55	46	0	0	0
4	97	0	0	0	513	986	661	78	531	157	0	0
5	314	0	0	0	0	1,120	603	0	445	0	0	0
6	42	0	0	0	0	958	659	0	671	111	0	0
7	94	0	0	0	245	971	581	0	82	0	0	132
8	0	0	0	220	181	953	432	0	111	0	0	0
9	83	0	0	0	163	974	0	0	104	0	0	0
10	0	0	0	0	233	1,100	0	0	50	0	0	0
11	246	0	0	0	0	643	0	0	0	161	0	0
12	0	0	0	0	137	142	0	0	31	0	0	0
13	0	215	0	0	204	296	0	0	0	0	0	0
14	56	224	0	0	302	137	0	0	55	0	0	0
15	204	42	0	0	331	119	0	0	0	0	0	0
16	0	0	0	0	453	0	0	0	233	129	0	0
17	161	0	0	0	215	0	0	0	0	0	0	0
18	0	0	0	0	648	136	0	0	0	104	0	0
19	0	22	0	0	701	399	0	0	0	0	0	0
20	0	40	0	0	650	426	0	0	117	0	0	0
21	0	40	0	0	605	172	0	0	0	0	64	0
22	0	40	0	518	644	426	0	0	0	69	0	0
23	0	40	0	1,670	603	824	0	0	0	257	0	153
24	0	40	0	1,770	640	786	0	0	0	321	0	0
25	0	40	0	1,500	769	522	0	0	0	0	0	336
26	0	20	0	723	837	587	0	0	279	0	0	0
27	0	0	0	509	1,300	331	0	149	241	0	0	144
28	0	0	0	193	1,260	601	0	257	362	0	0	0
29	0	0	0	283	-----	674	0	257	375	33	0	154
30	0	0	0	115	-----	629	0	257	175	0	0	0
31	0	-----	0	207	-----	625	-----	355	-----	125	0	-----
TOTAL	4,255	763	0	7,708	12,267	18,491	4,825	1,408	4,159	1,641	64	919
MEAN	137	25.4	0	249	438	596	161	45.4	139	52.9	2.06	30.6
MAX	1,510	224	0	1,770	1,300	1,120	661	355	671	321	64	336
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 1962 TOTAL 50,500.00 MEAN 155 MAX 1,770 MIN 0

WAT YR 1963

## 2-2578 Harney Pond Canal at S-71, near Lakeport, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	183	0	0	0	156	0	0	0	143
2	114	0	0	0	0	0	0	44	0	0	0	47
3	0	0	0	0	0	0	0	0	0	0	0	444
4	0	0	0	216	0	0	0	0	130	0	0	0
5	0	0	0	139	585	0	0	168	0	0	183	210
6	0	0	0	0	683	0	0	94	50	0	0	232
7	102	0	0	0	226	0	0	0	288	0	233	258
8	0	0	0	226	578	0	0	0	367	0	296	205
9	0	0	0	230	497	0	0	164	135	0	0	203
10	0	0	0	0	383	314	0	338	246	0	222	244
11	0	0	0	262	282	0	0	265	371	0	164	270
12	0	278	0	0	436	0	0	540	171	0	88	361
13	0	200	0	240	209	0	0	241	510	0	220	1,110
14	0	0	0	221	440	0	0	387	424	0	73	1,300
15	0	174	0	0	293	0	0	635	317	0	288	1,340
16	0	0	0	0	282	0	0	770	220	0	226	1,530
17	0	0	0	234	208	0	0	733	171	0	222	1,010
18	0	0	0	0	266	228	0	952	0	0	265	789
19	0	0	0	0	453	0	0	676	0	0	0	429
20	0	0	0	177	0	0	0	341	0	0	205	464
21	0	0	0	954	221	0	0	668	0	0	440	467
22	0	0	0	671	0	0	0	439	0	0	514	377
23	0	0	0	192	0	0	0	486	0	0	570	157
24	0	0	0	0	207	0	0	255	0	0	662	227
25	0	0	0	226	405	0	0	307	0	232	547	198
26	0	0	0	0	87	0	0	0	0	0	480	238
27	0	0	0	227	236	0	0	0	0	0	542	209
28	0	0	0	275	0	0	0	0	0	0	652	227
29	0	0	0	204	0	130	0	0	0	0	285	0
30	0	0	145	0	0	0	0	0	0	52	167	0
31	0	179	0	0	0	0	0	0	0	0	136	0
TOTAL	216	552	324	4,877	7,277	672	0	8,387	3,769	284	7,680	12,689
MEAN	6.97	21.7	10.5	157	231	21.7	0	271	126	9.16	248	423
MAX	114	278	179	954	683	314	0	952	540	232	662	1,530
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1963	TOTAL 52,674.00			MEAN 144		MAX 1,770	MIN 0					
WAT YR 1964	TOTAL 40,827.00			MEAN 128		MAX 1,530	MIN 0					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	436	199
2	214	0	0	0	0	0	239	0	0	0	187	208
3	0	0	0	0	0	0	0	0	0	0	351	218
4	0	0	0	0	0	0	193	0	0	0	376	197
5	0	0	0	0	0	0	0	0	0	0	411	228
6	50	0	337	0	0	0	0	0	0	0	629	215
7	198	0	169	0	0	0	0	0	0	0	643	196
8	0	0	0	0	0	157	0	0	0	5.0	402	152
9	0	0	0	0	0	0	147	0	0	0	251	127
10	0	0	0	0	0	0	0	0	0	0	207	144
11	202	0	0	0	0	0	0	0	0	0	180	206
12	0	0	0	0	0	0	0	0	0	0	480	0
13	0	0	0	0	0	0	0	0	0	0	147	0
14	309	0	0	0	0	0	0	0	0	0	297	36
15	165	0	0	0	0	0	0	0	0	0	172	193
16	0	0	0	0	0	0	0	0	0	0	231	0
17	0	0	0	0	17	0	0	0	0	0	0	63
18	0	0	0	0	0	0	0	0	326	0	39	213
19	0	0	0	0	0	0	0	0	266	87	32	0
20	0	0	0	0	0	0	0	0	239	0	185	0
21	0	0	0	0	0	0	0	0	178	0	45	59
22	0	0	0	0	0	0	0	0	0	0	225	0
23	0	0	0	0	0	0	0	0	0	0	252	0
24	0	0	0	0	0	0	0	0	0	0	26	0
25	0	0	0	0	158	0	0	0	206	0	53	9.0
26	0	0	0	0	0	0	0	0	203	0	210	81
27	0	0	0	0	0	0	0	0	0	33	56	306
28	0	0	0	0	0	386	0	0	0	213	185	298
29	0	0	0	0	0	184	0	0	0	139	180	518
30	0	0	0	0	0	0	0	0	0	354	334	390
31	0	0	0	0	0	0	0	0	0	405	304	0
TOTAL	1,138	0	506	0	175	722	579	0	1,418	1,236.0	7,526	4,256.0
MEAN	36.7	0	16.3	0	6.25	23.3	19.3	0	47.3	39.9	243	142
MAX	309	0	337	0	158	386	239	0	326	405	643	518
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1964	TOTAL 47,279.00			MEAN 129		MAX 1,530	MIN 0					
WAT YR 1965	TOTAL 17,550.00			MEAN 48.1		MAX 643	MIN 0					



## 2-2592 Indian Prairie Canal at S-72, near Okeechobee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	85	0	61	0	0	0	0	86	78
2	0	0	0	0	0	0	0	21	0	0	51	85
3	0	0	0	0	0	0	0	0	0	0	175	87
4	0	0	0	0	0	0	0	0	82	0	76	90
5	0	0	0	0	243	0	0	0	100	0	29	83
6	0	0	0	0	195	0	0	0	140	0	63	175
7	0	0	0	0	125	2.0	0	0	100	0	187	85
8	0	0	0	0	122	0	0	0	100	0	166	0
9	0	0	0	0	64	0	0	0	52	0	79	66
10	0	0	0	0	119	194	0	0	0	0	82	63
11	0	0	0	118	0	0	0	0	0	0	58	210
12	0	0	0	0	0	0	0	0	0	0	76	348
13	0	0	0	77	0	0	0	0	0	0	80	569
14	0	0	0	0	95	0	0	0	0	0	84	604
15	0	0	0	0	0	0	0	81	0	0	80	537
16	0	0	0	0	0	0	0	188	0	0	85	497
17	0	0	0	77	0	0	0	188	0	0	57	350
18	0	0	0	0	65	0	0	166	0	0	84	323
19	0	0	0	0	0	0	0	133	0	0	0	83
20	0	0	0	51	0	0	0	66	0	0	68	217
21	0	0	0	69	0	0	0	0	0	0	96	83
22	0	0	0	67	0	0	0	219	0	0	333	84
23	0	0	0	11	0	0	0	0	0	0	115	81
24	0	0	0	0	0	0	0	0	47	0	134	0
25	0	0	0	6.0	65	0	0	0	134	0	84	134
26	0	0	0	0	0	0	0	0	87	0	112	0
27	0	0	7.0	0	54	0	0	0	0	106	131	0
28	0	0	0	0	90	0	0	0	0	153	204	0
29	0	0	0	0	60	0	0	0	0	83	115	79
30	0	0	0	0	-----	0	0	0	0	83	152	0
31	0	-----	0	31	-----	0	-----	0	-----	72	83	-----
TOTAL	0	0	7.0	592.0	1,297	257.0	0	1,062	842	497	3,225	5,011
MEAN	0	0	.23	19.1	44.7	8.29	0	34.3	28.1	16.0	104	167
MAX	0	0	7.0	118	243	194	0	219	140	153	333	604
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	14	1,170	2,570	510	0	2,110	1,670	986	6,400	9,940
CAL YR 1963	TOTAL	5,619.00	MEAN	14.8	MAX	399	MIN	0	AC-FT	10,750		
WAT YR 1964	TOTAL	12,790.00	MEAN	34.9	MAX	604	MIN	0	AC-FT	25,370		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	53	0	0	0	0	0
2	43	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	55
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	147	0
6	42	0	0	0	0	0	0	0	0	0	100	0
7	0	0	0	0	0	0	0	0	0	0	100	0
8	0	0	0	0	0	0	0	0	0	0	100	68
9	0	0	0	0	0	0	0	0	0	0	109	79
10	0	0	0	0	0	0	0	0	0	0	150	0
11	0	0	0	0	0	0	0	0	0	0	129	0
12	0	0	0	0	0	0	0	0	0	0	74	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	105	0
15	0	0	0	0	0	0	0	0	0	0	100	0
16	0	0	0	0	0	0	0	0	0	109	100	0
17	0	0	0	0	13	0	0	0	0	112	168	0
18	0	0	0	0	0	0	0	0	248	141	100	0
19	0	0	0	0	0	0	0	0	92	40	111	0
20	0	0	0	0	0	0	0	0	0	0	153	0
21	73	0	0	0	0	0	0	0	0	0	201	0
22	0	0	0	0	0	0	0	0	0	36	166	0
23	0	0	0	0	0	0	0	0	0	42	100	0
24	0	0	0	0	0	0	0	0	0	0	171	0
25	0	0	0	0	0	0	0	0	0	0	168	63
26	0	0	0	0	0	0	0	0	0	0	165	67
27	0	0	0	0	0	0	0	0	0	0	103	75
28	0	0	0	0	0	0	0	0	0	0	0	79
29	0	0	0	0	-----	0	0	0	0	0	0	76
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	158	0	0	0	13	0	53	0	340	480	2,820	562
MEAN	5.10	0	0	0	.46	0	1.77	0	11.3	15.5	91.0	18.7
MAX	73	0	0	0	13	0	53	0	248	141	201	79
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	313	0	0	0	26	0	105	0	674	952	5,590	1,110
CAL YR 1964	TOTAL	12,941.00	MEAN	35.4	MAX	604	MIN	0	AC-FT	25,670		
WAT YR 1965	TOTAL	4,426.00	MEAN	12.1	MAX	248	MIN	0	AC-FT	8,780		

## 2-2615 Myrtle-Mary Jane Canal near Narcoossee, Fla

Location --Lat 28°20'22", long 81°10'27", in sec 1, T 25 S, R 31 E, on left bank 400 ft down-stream from private bridge, 0.9 mile upstream from Lake Mary Jane, 1.2 miles downstream from Lake Myrtle, and 4.9 miles northeast of Narcoossee, Osceola County

Drainage area --111 sq mi

Records available --October 1949 to September 1965 Monthly discharge only for October 1949, published in WSP 1304

Gage --Water-stage recorder Datum of gage is 57.08 ft above mean sea level (levels by Corps of Engineers) Since Oct 1, 1955, auxiliary water-stage recorder on west shore of Lake Mary Jane, 2 miles from mouth of canal

Average discharge --16 years, 107 cfs (77,460 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 18, 1961	a 106	b 8.09	June 18, 19, 1961	c 0.40	d 1.68
1962	Sept 8, 1962	40	2.69	Many days	0	e 1.55
1963	Mar 12, 13, 1963	f 78	g 3.78	do	0	h 1.86
1964	Sept 15, 1964	f 382	6.20	do	0	i 2.35
1965	Aug 24, 1965	j 135	k 5.28	July 4, 1965	m -12	n 2.68

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 864 cfs Oct 1, 1960, occurred on recession following crest of Sept 27, 1960 b Occurred Oct 1, 1960  
c Minimum daily d Occurred June 18, 1961 e Occurred June 5, 1962 f Maximum daily  
g Occurred Mar 11, 1963 h Occurred May 23, 24, 1963 i Occurred Nov 5, 1963 j Maximum daily  
discharge for flood event whose crest occurred during year, maximum daily discharge, 206 cfs Oct 1, 1964,  
occurred on recession following crest of Sept 15, 1964 k Occurred Sept 30, 1965 m Maximum daily  
reverse flow n Occurred Feb 6, 7, 1965

1949-65 Maximum daily discharge, 990 cfs Sept 27, 1960, maximum gage height, 8.26 ft  
Sept 26, 27, 1960, maximum daily reverse flow, 17 cfs Sept 10, 11, 1956, minimum gage height,  
1.53 ft June 3, 1962

Remarks --Records fair above 50 cfs and poor below Records include small diversion from Brick Lake through Brick-Alligator Canal

Revisions --WSP 1384 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	864	325	170	97	84	62	33	14	3.2	7.4	3.6	13
2	798	324	167	95	82	60	31	13	3.1	8.6	3.4	12
3	767	316	162	93	80	59	31	13	2.8	9.4	3.1	12
4	730	312	159	90	81	59	29	12	3.2	10	2.9	11
5	680	304	155	90	78	57	28	17	3.7	9.4	2.8	11
6	646	249	150	87	77	55	29	11	3.3	9.3	2.6	9.6
7	615	289	147	86	81	53	28	10	2.1	8.4	2.2	9.2
8	600	286	144	84	86	52	27	11	1.3	8.5	1.7	8.2
9	588	283	142	82	86	49	27	11	1.8	8.4	1.4	8.9
10	569	275	139	82	86	49	26	9.7	1.6	8.2	1.3	8.0
11	564	272	138	81	85	48	24	9.2	1.3	7.4	1.5	7.9
12	541	264	139	81	83	47	26	8.8	1.3	7.1	2.3	7.4
13	530	258	135	92	81	44	26	9.1	1.6	6.9	3.3	6.9
14	520	255	132	99	81	44	25	9.4	1.6	6.4	3.6	7.1
15	499	250	132	102	82	42	24	10	1.3	5.2	3.8	7.6
16	482	245	129	104	78	41	24	9.4	.90	5.0	4.6	7.8
17	467	239	128	105	78	41	23	9.1	.60	4.6	5.4	10
18	458	234	124	106	76	41	22	9.2	.40	6.4	6.4	12
19	435	231	122	105	74	41	21	8.5	.40	8.5	5.3	12
20	423	225	121	101	74	40	21	8.4	.50	7.6	5.3	12
21	420	220	121	99	74	41	20	7.2	.90	7.3	5.3	11
22	406	216	117	97	74	40	19	7.1	.80	7.0	4.8	11
23	393	208	116	97	72	39	18	6.7	1.1	6.8	4.3	10
24	361	205	114	94	70	38	18	5.9	2.9	6.4	3.9	9.8
25	361	200	112	94	69	37	18	6.2	3.0	6.6	4.3	9.2
26	366	195	109	93	68	36	17	6.9	3.9	7.0	5.8	9.3
27	361	191	107	91	65	36	16	6.4	4.8	7.6	7.5	9.7
28	353	186	104	90	63	35	14	6.2	5.3	6.0	12	9.1
29	347	181	103	88	-----	34	14	5.5	8.0	5.4	14	8.2
30	334	177	101	86	-----	33	13	4.4	7.8	5.2	14	5.1
31	330	-----	99	85	-----	33	-----	3.4	-----	5.1	14	-----
TOTAL	15,843	7,465	4,038	2,976	2,168	1,386	692	273.7	74.50	223.1	156.4	288.9
MEAN	511	249	130	92.8	77.4	44.7	23.1	8.83	2.48	7.20	5.05	9.63
MAX	864	325	170	106	86	62	33	14	8.0	10	14	13
MIN	330	177	99	81	63	33	13	3.4	.40	4.6	1.3	6.9
CFSM	4.60	2.24	1.17	.84	.70	.40	.21	.08	.02	.06	.05	.09
IN.	5.31	2.50	1.35	.96	.73	.46	.23	.09	.02	.07	.05	.10

CAL YR 1960 TOTAL 100,672 MEAN 275 MAX 990 MIN 63 CFSM 2.48 IN 33.73  
WAT YR 1961 TOTAL 15,843.60 MEAN 97.2 MAX 864 MIN .40 CFSM .88 IN 11.89

## 2-2615 Myrtle-Mary Jane Canal near Narcoossee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.1	2.5	.30	.40	.10	0	.30	0	0	.10	.10	.20
2	6.9	2.5	.20	.20	.10	0	.10	0	0	.10	.10	.30
3	6.4	2.5	.10	.20	.10	0	0	0	0	.10	.10	.10
4	6.0	2.1	.20	.40	0	0	0	0	0	.10	.10	.20
5	5.4	2.7	.20	.60	.10	0	0	.10	0	0	.10	.20
6	5.1	3.3	.30	.90	.10	0	0	0	0	0	.10	.30
7	4.8	3.1	.20	.60	0	0	.20	0	0	0	.10	.50
8	4.4	2.9	.20	.40	0	0	0	0	0	.40	.10	.60
9	4.0	2.5	.30	.30	.20	0	0	0	0	.10	0	.40
10	3.8	2.3	.40	.20	.60	0	0	0	0	0	.10	1.0
11	3.8	2.1	.40	.10	.20	0	0	0	.10	0	.10	1.0
12	4.2	2.1	.50	.10	.20	0	0	0	.10	0	.10	.80
13	4.9	2.1	.40	.20	.20	0	0	0	.10	0	.10	.90
14	6.0	2.0	.20	.30	.40	0	0	0	0	0	.10	1.3
15	4.6	1.5	.40	.50	.40	0	0	0	.10	.10	.10	1.6
16	4.5	1.5	.20	.50	.40	.40	0	0	.10	.10	.10	.90
17	4.1	1.4	.40	.30	.30	.10	0	0	.30	.10	.10	.60
18	3.8	1.4	.40	.40	.50	.10	0	0	.10	.10	.10	1.2
19	3.8	1.0	.30	.50	.50	0	0	0	.10	.10	.10	.60
20	3.4	.90	.40	.40	.10	0	0	0	.20	.10	.10	.70
21	2.8	.60	.20	.30	.20	.10	0	0	.20	.10	.10	1.0
22	2.8	.50	.10	.60	.20	.10	0	0	.30	.10	.10	.60
23	2.6	.70	.20	.50	.20	.30	0	0	.20	.10	.10	1.5
24	2.4	.60	.10	.60	.10	.20	0	0	.10	.10	.10	1.4
25	2.3	.60	0	.50	0	.50	0	0	.40	.10	.10	2.1
26	2.1	.50	0	.60	0	.10	0	0	.10	.10	.10	1.1
27	1.9	.40	.20	.70	0	0	0	0	.10	.10	.20	0
28	2.1	.40	.10	.30	0	0	0	0	.10	.10	.20	3.0
29	3.2	.30	0	0	-----	.20	0	0	.10	.10	.20	1.3
30	2.8	.30	0	.10	-----	0	0	0	.10	.10	.20	1.4
31	2.7	-----	.20	.10	-----	.20	-----	0	-----	.10	.20	-----
TOTAL	124.7	47.30	7.00	11.80	5.20	2.30	0.60	0.10	3.40	2.10	3.60	36.90
MEAN	4.02	1.58	.23	.38	.19	.074	.020	.003	.11	.068	.12	1.23
MAX	7.1	3.3	.50	.90	.60	.50	.30	.10	.40	.10	.20	6.2
MIN	1.9	.30	0	0	0	0	0	0	0	0	.10	0
CFSM	.04	.01	.002	.003	.002	.0006	.0001	0	.001	.0006	.001	.01
IN.	.04	.02	.002	.004	.002	.0007	.0002	0	.001	.0007	.001	.01

CAL YR 1961 TOTAL 4,517.60 MEAN 22.8 MAX 106 MIN 0 CFSM .21 IN 2.79  
WAT YR 1962 TOTAL 245.00 MEAN .67 MAX 7.1 MIN 0 CFSM .006 IN .08

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	.70	.70	1.5	.39	.30	6.9	5.7	10	14	22
2	0	0	.70	.60	1.6	.45	.29	6.8	5.7	11	16	21
3	6.0	0	.70	.60	1.8	.55	.27	6.8	5.1	12	19	21
4	1.2	0	.60	.60	3.0	.26	.18	4.8	5.5	12	20	20
5	1.1	0	.60	.50	2.8	.62	.24	6.9	4.6	12	20	19
6	1.0	0	.70	.50	1.9	.62	.23	6.4	4.8	12	21	19
7	.90	0	.60	.60	2.0	.64	.22	6.3	5.2	13	20	18
8	1.1	0	.50	.60	2.1	.64	.21	6.0	5.5	12	20	18
9	1.0	.60	.50	.50	2.2	.68	.20	5.4	5.4	12	21	17
10	1.1	.70	.40	.50	1.5	.75	.19	5.1	5.3	12	20	16
11	.70	.60	.40	.50	1.6	.76	.18	4.6	5.6	13	20	15
12	.60	.60	.40	.50	1.4	.78	.17	4.5	5.6	13	21	16
13	.60	.70	.30	.50	1.1	.78	.16	4.3	5.4	13	22	17
14	.60	.80	.20	.50	5.4	.75	.15	3.9	5.2	13	22	16
15	.50	.70	.20	.60	4.4	.74	.14	3.6	5.0	13	23	16
16	.50	.70	.20	.80	4.8	.71	.13	3.5	5.1	12	24	16
17	.50	.70	.20	.90	9.0	.67	.12	3.2	5.4	12	24	16
18	.30	.70	.20	.90	5.4	.64	.11	3.1	5.6	11	25	16
19	.30	.70	.20	.90	5.9	.61	.11	2.9	5.3	11	25	18
20	.20	.70	.20	.90	6.3	.56	.10	2.7	5.4	11	25	20
21	.10	.70	.20	1.0	4.7	.53	.98	2.4	5.2	12	26	21
22	.20	.70	.20	1.0	1.0	.49	9.4	2.3	4.9	14	27	21
23	.20	.90	.20	1.1	15	.46	9.0	2.4	4.9	15	26	23
24	.20	.90	.20	1.5	19	.44	8.0	2.9	4.7	15	26	28
25	.10	.90	.30	1.3	20	.42	7.8	3.2	5.3	16	26	33
26	.10	.90	.70	1.6	31	.39	7.6	3.2	6.0	15	26	34
27	.10	.80	.70	1.8	34	.38	7.7	3.4	7.0	15	25	35
28	0	.70	.80	1.9	.36	.37	7.1	3.5	7.9	14	24	35
29	0	.70	.80	1.8	-----	.35	6.3	3.5	9.0	14	24	36
30	0	.70	.80	1.6	-----	.33	6.1	3.6	10	14	23	38
31	0	-----	.70	1.5	-----	.32	-----	4.8	-----	14	22	-----
TOTAL	13.80	16.10	14.10	28.70	259.1	1,740	456.8	135.6	170.6	398	697	661
MEAN	.45	.54	.45	.93	9.25	56.1	15.2	4.37	5.69	12.8	22.5	22.0
MAX	1.2	.90	.80	1.9	36	78	30	7.5	10	16	27	38
MIN	0	0	.20	.50	1.5	32	6.1	2.3	4.6	10	14	15
CFSM	.004	.005	.004	.008	.08	.51	.14	.05	.05	.12	.20	.20
IN.	.005	.005	.005	.01	.09	.58	.15	.05	.06	.13	.23	.22

CAL YR 1962 TOTAL 110.00 MEAN .30 MAX 6.2 MIN 0 CFSM .003 IN .04  
WAT YR 1963 TOTAL 4,590.80 MEAN 12.6 MAX 78 MIN 0 CFSM .11 IN 1.54

## 2-2615 Myrtle-Mary Jane Canal near Narcoossee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	38	17	228	108	193	158	103	57	31	37	23	111	
2	38	17	225	107	182	154	99	59	31	35	41	115	
3	38	16	219	106	175	156	96	62	29	32	42	131	
4	38	15	212	105	176	160	93	62	29	41	42	134	
5	37	15	206	104	183	167	89	63	28	39	42	142	
6	36	16	197	102	193	161	86	63	27	39	43	149	
7	34	15	190	108	199	163	84	63	27	38	43	158	
8	34	15	179	109	220	163	81	63	27	38	43	163	
9	34	15	166	110	238	163	80	67	27	36	43	175	
10	33	70	156	110	250	160	78	61	31	33	43	242	
11	37	93	148	109	254	156	74	60	32	29	46	289	
12	31	125	141	131	256	152	72	59	29	25	49	323	
13	31	157	137	142	258	149	68	58	29	25	63	363	
14	30	187	130	147	259	148	66	58	29	25	90	380	
15	30	205	132	157	255	145	65	57	32	25	96	382	
16	29	220	136	166	251	141	61	56	45	25	97	380	
17	29	231	127	188	247	143	59	55	52	19	98	380	
18	28	236	124	210	249	138	56	52	52	11	94	371	
19	28	234	126	228	254	136	55	50	54	0	92	349	
20	27	231	115	240	244	133	53	47	53	0	89	335	
21	26	223	111	247	235	130	51	47	51	0	88	324	
22	26	205	111	251	223	125	48	44	48	16	87	312	
23	25	193	109	252	210	122	46	42	47	20	84	301	
24	24	181	112	254	200	119	46	42	44	21	81	292	
25	24	180	111	252	192	115	43	40	42	20	79	275	
26	23	162	108	251	181	111	42	38	40	21	76	260	
27	22	218	105	246	175	109	42	38	38	4.0	87	248	
28	21	230	105	241	169	111	44	35	40	0	115	235	
29	20	233	103	232	162	113	46	35	42	0	109	221	
30	19	232	103	218	-----	109	47	32	38	0	110	712	
31	18	-----	105	206	-----	106	-----	32	-----	5.8	112	-----	
CTCL	903	4,222	4,465	5,437	6,280	4,311	1,973	1,597	1,124	659.8	2,247	7,752	
TOTAL	29.1	141	144	175	217	139	65.9	51.2	37.5	21.3	72.5	258	
MAX	38	234	228	254	258	163	103	63	54	41	115	382	
MIN	18	15	103	102	167	106	42	32	27	0	23	111	
CFSM	26	1.27	1.30	1.28	1.95	1.25	5.0	4.6	3.4	1.19	6.5	2.33	
IN.	30	1.41	1.50	1.82	2.10	1.44	6.6	5.3	3.8	2.22	7.5	2.60	
CAL YR 1963	TOTAL	14,130.80	MEAN	36.7	MAX	234	MIN	0	50	CFSM	35	IN	4.76
WAT YR 1964	TOTAL	43,960.80	MEAN	112	MAX	382	MIN	0	50	CFSM	1.01	IN	13.72

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	206	135	79	51	31	38	46	20	7.6	5.3	64	130
2	204	131	77	52	31	39	44	20	5.4	0	67	132
3	200	128	77	51	31	39	41	20	3.8	-6.3	67	130
4	196	125	76	50	30	42	41	19	3.3	-12	66	128
5	193	124	77	49	29	42	40	19	5.8	-5.2	72	124
6	186	122	77	48	29	42	40	19	6.8	3.8	77	121
7	182	120	76	46	26	45	40	18	0	17	84	120
8	181	117	77	45	40	49	39	18	1.7	18	89	113
9	186	116	74	44	40	49	37	18	-8.0	12	88	110
10	195	114	73	44	37	51	34	18	-1.4	18	94	109
11	198	111	73	44	37	48	32	18	3.0	30	96	105
12	201	108	71	42	34	46	31	14	2.3	30	99	102
13	202	106	71	42	32	49	31	17	6.2	30	103	102
14	202	104	70	42	32	52	31	17	5.0	30	104	97
15	200	104	68	45	30	50	28	16	-6.4	31	106	94
16	196	100	67	45	27	47	26	14	-5.4	33	109	92
17	192	99	66	44	26	44	25	14	13	36	113	90
18	189	97	66	43	25	43	20	12	21	39	111	90
19	185	95	65	42	25	43	16	10	5.1	41	109	88
20	179	93	64	41	23	45	19	9.0	13	46	112	87
21	175	92	63	40	22	47	19	-0.90	8.0	52	126	84
22	171	91	62	39	24	46	24	-4.5	1.8	54	131	83
23	168	87	61	39	23	44	24	0	5.0	53	133	83
24	164	87	60	38	39	44	27	5.1	4.2	52	135	81
25	162	85	58	37	43	41	21	7.2	5.8	53	133	81
26	157	85	56	36	43	41	24	6.2	14	56	130	78
27	154	84	56	36	46	41	24	11	3.6	61	124	83
28	151	81	56	34	46	43	24	3.6	5.0	61	126	103
29	148	82	55	32	-----	43	21	-1.5	11	59	133	110
30	143	81	54	33	-----	43	20	3.3	4.2	62	131	121
31	139	-----	54	32	-----	45	-----	12	-----	64	132	-----
TOTAL	5,605	3,102	2,081	1,306	920	1,181	884	302.50	161.6	1,023.6	3,262	3,071
MEAN	181	103	67.1	42.1	32.9	44.5	29.5	11.7	5.39	33.0	105	102
MAX	206	135	79	52	46	52	46	20	21	64	135	132
MIN	139	81	54	32	22	38	16	-4.5	-8.0	-12	64	78
CFSM	1.63	1.24	0.80	0.58	0.30	0.40	0.27	0.11	0.05	0.30	0.95	0.92
IN.	1.88	1.04	0.70	0.44	0.31	0.46	0.30	0.12	0.05	0.34	1.09	1.03
CAL YR 1964	TOTAL	42,158.80	MEAN	115	MAX	382	MIN	0	CFSM	1.04	IN	14.13
WAT YR 1965	TOTAL	42,161	MEAN	63.5	MAX	206	MIN	-12	CFSM	0.57	IN	7.76

2-2629 Boggy Creek near Taft, Fla

Location --Lat 28°22'16", long 81°18'39", in NE¼ sec 28, T 24 S., R 30 E., on left bank 450 ft downstream from Boggy Creek Swamp, 2 0 miles upstream from bridge on State Highway 530, 3 5 miles upstream from mouth, and 5 5 miles southeast of Taft, Orange County

Drainage area --83 6 sq mi

Records available --September 1959 to September 1965

Gage --Water-stage recorder Datum of gage is 56 08 ft above mean sea level (Corps of Engineers bench mark) Auxiliary water-stage recorder on south shore of East Lake Tohopekaliga

Average discharge --6 years, 52 1 cfs (37,720 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 27, 1961	198	a 7 50	June 5-11, 1961	0 10	2 48
1962	Sept 24, 1962	275	7 15	May 29, 30, 1962	10	2 55
1963	Feb 13, 1963	274	7 14	May 22, 1963	1 5	2 67
1964	Sept 11, 1964	1,120	10 65	May 31, 1964	3 8	2 88
1965	Aug 22, 1965	130	5 42	May 28, 29, 1965	10	2 27

a Occurred Oct 1, 1960

1959-65 Maximum discharge, 3,680 cfs Mar 18, 1960 (gage height, 13 64 ft, from floodmarks), minimum, 0 10 cfs June 5-11, 1961, May 29, 30, 1962, May 28, 29, 1965, minimum gage height, 2 27 ft May 28, 29, 1965

Remarks --Records fair except those for periods of backwater, shifting control and no gage-height record, which are poor Some diversion to ground water through drainage wells in lakes above station Records of chemical analysis for the water years 1961-63 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.
1	165	25	6.4	4.8	4.8	9.1	10	1.0	.50	30	12	74
2	145	23	5.8	4.6	4.6	9.7	9.4	1.0	.40	22	11	47
3	131	22	6.0	4.0	5.1	8.5	7.4	1.4	.30	21	11	32
4	117	19	6.1	3.5	6.8	8.2	5.9	1.8	.20	37	10	25
5	105	17	6.1	3.3	6.8	7.8	5.0	1.5	.20	50	9.8	21
6	110	16	6.2	3.4	5.9	7.4	4.4	1.3	.10	65	9.4	18
7	111	11	5.9	3.5	21	7.0	5.4	1.0	.10	91	8.7	15
8	115	13	5.7	3.8	41	6.6	5.2	1.0	.10	97	8.2	14
9	134	14	5.2	5.1	38	5.9	4.5	.90	.10	100	8.7	15
10	153	12	5.3	5.1	30	5.4	3.8	1.8	.10	116	10	19
11	150	12	5.5	4.8	25	5.1	3.4	1.5	.30	116	11	19
12	147	11	5.9	4.6	21	5.0	3.4	1.4	2.0	96	9.6	17
13	134	11	5.5	14	19	5.0	3.5	1.1	2.9	81	8.9	15
14	119	10	5.1	23	17	5.7	3.8	1.0	1.8	68	10	14
15	105	11	6.4	22	16	5.4	3.4	.90	1.5	52	12	14
16	104	12	9.2	16	14	5.0	3.0	.80	2.2	39	19	14
17	90	11	8.9	12	14	4.8	2.6	.60	2.0	53	18	27
18	64	10	7.2	11	13	11	2.3	.50	1.6	51	18	120
19	60	9.1	6.6	9.2	12	21	2.1	.40	1.4	74	21	134
20	76	8.7	5.5	7.8	12	21	2.0	.40	1.3	162	22	109
21	68	5.0	7.0	6.8	11	21	1.9	.30	1.2	164	19	80
22	62	7.8	7.6	5.7	11	21	1.8	.20	1.1	128	16	55
23	58	7.4	6.6	5.5	12	16	1.7	.20	2.5	98	16	37
24	52	7.3	6.2	5.1	12	12	1.6	.20	70	76	16	28
25	42	7.2	5.7	4.9	12	9 6	1.5	.20	62	51	13	23
26	34	7.1	5.3	5.1	10	8.2	1.4	.60	50	34	22	20
27	30	7.3	4.8	4.8	10	7.2	1.3	1.0	41	27	136	18
28	27	7.1	4.6	4.5	9.6	6 4	1.1	1.0	76	22	192	16
29	23	7 2	4 3	5.1	-----	5.7	1.0	1 2	65	19	173	14
30	22	7 0	4.3	5.3	-----	5.4	1.0	1.0	43	17	149	14
31	27	-----	4.3	5.1	-----	5.7	-----	.80	-----	14	109	-----
TOTAL	2,826	3,122	185.7	223.4	414.6	281.8	104.8	28 00	430.90	2,071	1,109.3	1,068
MEAN	91.2	11.7	5.99	7.21	14.8	9.09	3.49	.90	14.4	66.8	35.8	35.6
MAX	165	25	9 2	23	41	21	10	1.8	76	164	192	134
MIN	22	7 0	4 3	3.3	4.6	4.8	1.0	.20	.10	14	8.2	14
CFSM	1.09	.14	.07	.09	.18	11	.04	.01	.17	.80	.43	.43
IN	1.26	.16	.08	.10	18	13	.05	.01	.19	.92	.49	.48

CAL YR 1960 TOTAL 46,010.2 MEAN 126 MAX 3,400 MIN 4.3 CFSM 1.50 IN 20.67  
 WAT YR 1961 TOTAL 9,094.70 MEAN 24.9 MAX 192 MIN .10 CFSM 1.30 IN 4.05

Note --Backwater from East Lake Tohopekaliga Oct 1 to Dec 5 Shifting-control method used July 27 to Aug 26



## 2-2629 Boggy Creek near Taft, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	11	5.0	9.8	7.4	7.6	11	5.5	8.0	16	62	150
2	12	9.8	4.8	9.6	7.2	7.6	12	5.1	7.4	18	54	124
3	11	8.5	4.8	8.9	7.0	7.4	10	3.9	6.1	14	94	93
4	11	7.8	4.7	8.5	6.8	6.9	9.5	3.1	4.5	11	78	69
5	10	10	4.7	8.2	6.8	6.9	8.9	2.6	3.4	9.7	69	54
6	9.6	18	4.4	8.2	6.8	6.1	8.6	2.7	3.6	8.0	59	128
7	9.1	20	4.4	8.9	6.8	5.7	9.1	2.2	6.8	6.9	51	231
8	8.9	17	4.2	9.1	6.8	5.7	11	1.8	8.2	6.3	43	244
9	8.9	16	4.0	8.9	9.2	5.7	11	1.3	10	6.7	38	197
10	8.5	12	3.8	8.7	26	5.5	10	1.1	18	10	36	158
11	8.7	11	3.8	9.1	33	5.5	9.1	1.1	12	10	34	128
12	10	11	3.8	10	25	5.5	8.0	.90	9.3	12	29	104
13	12	10	5.1	10	20	5.7	6.9	.70	7.6	11	24	88
14	19	9.8	5.7	9.8	17	7.4	6.1	.60	8.0	13	20	93
15	28	9.1	5.2	9.8	15	9.1	5.7	.50	17	21	18	154
16	20	8.9	5.0	9.6	14	20	4.9	.40	19	17	18	156
17	16	8.2	4.8	9.4	13	19	4.5	.40	18	14	19	126
18	15	7.8	4.8	9.1	12	16	4.3	.40	14	17	19	124
19	11	7.6	6.8	8.9	12	14	4.1	.40	11	55	21	169
20	10	7.4	13	8.9	11	13	3.9	.30	11	78	23	167
21	8.9	6.8	14	8.7	10	12	3.8	.30	11	110	33	230
22	7.8	6.8	12	8.5	10	11	3.6	.40	10	80	45	228
23	7.0	7.0	10	8.2	9.5	15	3.4	.60	10	50	44	209
24	6.4	8.2	9.6	8.2	9.3	19	3.1	.50	10	35	43	263
25	6.4	6.2	8.7	8.2	8.9	18	2.9	.40	12	26	53	247
26	6.5	7.6	8.2	8.0	8.6	18	2.7	.30	15	21	83	210
27	5.7	6.4	8.2	7.8	8.2	16	3.6	.20	13	18	181	172
28	6.1	6.1	8.2	8.2	7.6	14	5.3	.20	12	34	212	145
29	11	5.7	7.6	8.0	-----	13	5.3	.20	10	63	248	122
30	16	5.2	7.2	7.6	-----	12	4.7	1.0	11	66	231	104
31	14	7.4	7.4	7.4	-----	11	-----	5.7	-----	15	181	-----
TOTAL	345.3	280.9	203.5	272.2	334.9	339.3	197.0	45.00	316.9	932.6	2,123	4,687
MEAN	11.1	9.56	6.56	8.78	12.0	10.9	6.37	1.45	10.6	30.1	68.5	156
MAX	28	20	14	10	33	20	12	5.7	19	110	248	263
MIN	5.7	5.2	3.8	7.4	6.8	5.5	2.7	.20	3.4	6.3	18	94
CFSM	.13	.08	.08	.11	.14	.13	.08	.02	.13	.36	.82	1.87
IN.	.15	.13	.09	.12	.15	.15	.09	.02	.14	.41	.94	2.09
CAL YR 1961	TOTAL	6,567.50	MEAN 18.0	MAX 192	MIN -10	CFSM -22	IN 2-92					
WAT YR 1962	TOTAL	10,083.60	MEAN 27.6	MAX 263	MIN -20	CFSM -33	IN 4.49					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	88	17	14	17	30	153	13	6.2	18	14	8.0	11
2	73	17	14	15	27	124	12	9.8	13	11	8.4	11
3	68	15	13	14	28	134	11	12	10	12	12	17
4	59	13	13	13	45	145	10	10	8.9	13	12	17
5	55	13	12	12	68	139	9.1	8.0	7.8	14	17	14
6	54	12	12	12	74	121	8.5	6.2	10	11	16	12
7	53	12	11	12	67	113	8.2	5.3	16	10	12	11
8	49	13	11	12	59	100	8.2	4.6	14	8.7	8.9	9.8
9	44	67	11	11	51	91	8.4	4.0	10	8.7	8.2	11
10	40	76	10	11	44	119	7.8	3.7	8.9	11	8.7	10
11	34	68	9.8	11	40	131	7.1	3.3	8.9	13	8.2	8.5
12	30	54	9.8	10	171	111	6.7	3.2	8.0	39	8.0	8.2
13	26	49	9.4	10	257	94	6.2	3.2	6.9	37	11	8.2
14	25	43	9.1	10	202	80	5.7	3.0	6.2	41	17	8.0
15	23	39	8.9	11	161	70	5.1	3.0	5.5	37	19	7.8
16	21	34	8.7	10	130	62	4.8	3.2	4.8	26	16	8.2
17	20	30	8.7	12	116	62	4.4	3.7	5.1	19	21	7.8
18	19	27	8.7	11	103	57	4.2	3.3	6.4	14	32	7.2
19	18	24	8.5	10	111	50	4.0	2.6	5.7	12	25	8.0
20	16	22	8.5	10	123	44	3.9	2.1	4.8	9.8	23	9.8
21	15	20	8.5	18	110	39	3.9	1.8	4.2	11	22	9.1
22	16	20	8.4	19	92	36	3.7	1.7	3.7	17	22	8.9
23	16	19	8.2	22	77	32	3.5	2.1	3.5	20	20	70
24	15	18	8.0	38	66	29	3.2	2.8	3.5	31	19	75
25	14	16	12	43	59	26	3.3	3.0	3.9	52	18	112
26	13	15	46	52	84	23	3.5	4.2	9.5	39	21	122
27	12	14	56	59	186	21	3.3	22	32	24	20	120
28	11	14	42	56	191	19	3.0	34	34	17	18	106
29	11	14	32	49	-----	18	2.6	28	26	17	16	88
30	11	15	25	41	-----	16	2.5	19	21	13	14	73
31	16	-----	20	36	-----	15	-----	21	-----	9.6	12	-----
TOTAL	970	792	477.2	667	2,772	2,276	180.8	240.0	320.2	611.8	493.4	939.5
MEAN	31.3	26.4	15.4	21.5	29.0	73.4	6.03	7.74	10.7	19.7	15.9	31.3
MAX	88	76	56	59	257	153	13	34	34	52	32	122
MIN	11	12	8.0	10	27	15	2.5	1.7	3.5	8.7	8.0	7.2
CFSM	.37	.32	.18	.26	1.18	.88	.07	.09	.13	.24	.19	.37
IN.	.43	.35	.21	.30	1.23	1.01	.08	.11	.14	.27	.22	.42
CAL YR 1962	TOTAL	11,487.10	MEAN 31.5	MAX 263	MIN 1.7	CFSM -38	IN 5.11					
WAT YR 1963	TOTAL	10,739.9	MEAN 29.4	MAX 257	MIN 1.7	CFSM -35	IN 4.78					

## 2-2629 Boggy Creek near Taft, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	64	6.0	36	51	114	44	148	52	5.5	9.9	14	215
2	58	6.6	33	51	101	42	128	87	4.9	39	16	186
3	52	6.2	30	48	99	38	112	75	8.3	44	16	190
4	47	6.4	28	44	113	36	99	57	19	31	14	220
5	43	12	26	40	157	34	85	44	14	19	11	240
6	38	21	24	37	212	31	75	36	14	16	19	210
7	34	20	23	50	210	29	66	29	13	19	21	174
8	31	17	22	60	244	28	57	23	9.9	15	19	146
9	29	14	21	61	242	26	44	19	8.1	12	21	140
10	27	23.0	20	56	204	24	32	16	9.4	10	63	680
11	25	461	19	51	172	22	26	14	19	10	148	1,060
12	22	327	19	194	148	20	22	12	19	12	162	798
13	20	248	18	418	127	19	19	10	12	9.7	131	669
14	18	201	19	351	115	18	16	11	9.2	8.6	101	586
15	17	166	26	286	115	17	14	12	7.5	7.5	85	446
16	16	158	26	240	113	16	13	11	6.6	7.1	74	364
17	15	118	26	230	107	25	11	9.9	6.8	7.7	62	295
18	14	101	26	248	110	34	10	8	12	8.6	51	245
19	14	88	25	229	154	32	9.7	7.7	14	7.9	42	206
20	14	77	24	198	146	32	9.0	7.1	13	7.1	60	173
21	12	67	22	174	111	32	8.4	6.6	8.8	6.4	115	147
22	11	60	151	151	28	7.7	7.9	6.9	7.9	7.9	148	798
23	10	55	25	158	82	26	7.3	5.5	6.2	12	122	112
24	9.7	47	48	154	74	22	6.9	5.2	5.5	13	93	99
25	9.0	44	57	145	67	20	6.6	5.0	5.7	15	78	88
26	8.6	42	53	138	60	48	6.2	4.9	7.7	30	78	79
27	7.9	44	47	133	55	76	6.0	4.8	13	50	117	72
28	7.5	42	42	140	52	118	15	4.4	8.6	44	320	66
29	6.9	42	40	138	48	207	40	4.3	7.3	31	370	59
30	6.4	39	38	140	-----	204	36	4.2	8.1	23	306	48
31	6.7	-----	46	122	-----	173	-----	4.2	-----	18	256	-----
TOTAL	693.2	2,750.2	932	4,526	3,644	1,521	1,135.8	96.3	303.0	551.4	3,133	8,139
MEAN	22.4	91.7	30.1	146	126	49.1	37.9	19.7	10.1	17.8	101	271
MAX	64	461	57	418	244	207	148	87	19	50	370	1,060
MIN	6.2	6.0	18	37	48	16	6.0	4.2	4.9	6.4	11	48
CFSM	.27	1.10	.46	1.75	1.50	.59	.45	.23	.12	.21	1.21	3.25
IN.	.31	1.22	.41	2.01	1.62	.68	.51	.27	.13	.25	1.39	3.62

CAL YR 1963 TOTAL 12,576.1 MEAN 35.3 MAX 461 MIN 1.7 CFSM .42 IN 5.73  
 MAY YR 1964 TOTAL 27,924.9 MEAN 76.3 MAX 1,060 MIN 4.2 CFSM .91 IN 12.42

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	9.0	7.1	4.7	5.4	60	7.2	4.4	.90	2.2	28	96
2	36	7.0	6.1	4.5	6.3	55	6.8	3.5	.50	1.7	33	80
3	34	9.0	6.0	4.4	6.0	50	6.4	3.0	.30	1.6	36	68
4	34	6.4	5.4	5.4	5.4	45	6.1	3.0	.30	1.8	45	57
5	31	8.5	11	5.1	5.1	35	5.8	2.5	.20	2.4	49	49
6	28	8.4	17	5.1	5.1	30	5.5	2.0	.30	7.4	47	43
7	26	8.0	16	5.1	11	30	5.2	2.0	.60	11	51	39
8	26	7.9	13	5.1	12	25	5.0	1.8	2.1	6.7	107	36
9	24	7.7	11	5.1	11	20	4.5	1.5	3.7	4.9	110	34
10	34	7.4	10	5.2	8.8	17	4.5	1.5	7.4	52	85	34
11	29	7.4	9.6	5.5	7.9	15	4.5	1.2	18	40	87	32
12	26	7.4	9.2	5.7	7.2	14	4.0	1.2	19	43	119	26
13	23	7.2	8.7	5.4	6.6	20	4.0	1.0	13	42	96	22
14	22	6.9	8.8	5.7	6.4	25	4.0	.80	10	58	68	19
15	21	6.8	9.0	14	5.8	20	3.5	.80	7.9	62	51	18
16	18	6.8	8.7	19	5.5	19	3.0	.60	6.8	49	43	17
17	17	6.8	8.4	17	5.5	18	3.0	.60	5.5	59	40	17
18	15	6.8	7.9	14	4.5	16	2.5	.50	8.2	66	37	16
19	14	6.6	7.4	13	5.5	14	2.5	.50	10	66	35	15
20	13	6.6	7.1	11	5.1	14	3.0	.40	6.9	65	40	14
21	12	6.4	6.8	9.2	5.0	14	3.0	.40	5.0	79	104	13
22	12	6.0	6.4	8.5	5.0	13	3.5	.30	4.0	67	122	12
23	12	6.1	6.3	8.0	35	11	4.0	.30	3.4	56	94	14
24	12	6.4	6.3	8.0	107	10	3.5	.30	3.6	45	73	14
25	12	6.3	6.0	8.0	121	9.0	4.0	.20	3.1	43	59	12
26	11	5.8	5.7	8.0	100	8.5	5.0	.20	3.6	36	48	12
27	11	5.7	6.0	7.4	80	8.2	5.5	.20	3.0	29	42	34
28	11	6.3	5.5	6.4	70	8.4	5.0	.20	2.7	26	40	55
29	10	8.5	5.4	6.0	-----	7.9	4.5	.60	2.4	23	48	47
30	9.8	8.2	5.1	5.7	-----	7.6	4.0	2.6	2.2	23	44	51
31	9.4	-----	4.8	5.7	-----	7.4	-----	1.6	-----	25	74	-----
TOTAL	641.2	2,187.7	252.9	240.6	662.1	647.0	133.0	39.30	154.50	1,140.8	1,950	996
MEAN	20.7	72.9	8.16	7.76	23.6	20.9	4.43	1.27	5.15	36.8	62.9	33.2
MAX	40	9.0	17	19	123	60	7.2	4.0	19	79	122	96
MIN	9.4	5.7	4.8	4.4	5.0	7.4	2.5	.20	2.0	1.6	28	12
CFSM	.25	.09	.10	.09	.28	.25	.02	.06	.44	.75	.40	.40
IN.	.29	.10	.11	.11	.29	.29	.06	.02	.07	.51	.87	.44

CAL YR 1964 TOTAL 24,662.3 MEAN 67.4 MAX 1,060 MIN 4.2 CFSM .81 IN 10.97  
 MAY YR 1965 TOTAL 7,076.10 MEAN 19.4 MAX 123 MIN .20 CFSM .23 IN 3.15

Note --No gage-height record Apr 9 to May 16

2-2635 St Cloud Canal at S-59, near St Cloud, Fla  
(Formerly published as East Tohopekaliga-Tohopekaliga Canal near St Cloud)

Location --Lat 28°15'55", long 81°18'40", in SE 1/4 sec 33, T 25 S., R 30 E., at structure 59, a quarter of a mile downstream from outlet of East Lake Tohopekaliga and 2 1 miles northwest of St Cloud, Osceola County

Drainage area --308 sq mi (revised) Area at site used prior to Feb 11, 1963, 300 sq mi  
Records available --January 1942 to September 1965

Gage --Dual water-stage recorder Datum of gage is 0 06 ft above mean sea level, datum of 1929  
Prior to Mar 5, 1943, staff gage at site on south shore of East Lake Tohopekaliga at datum 53 85 ft higher Mar 5, 1943, to Dec 31, 1949, staff gage in boat basin on south shore of East Lake Tohopekaliga at datum 51 24 ft higher Jan 1, 1950, to Sept 30, 1956, staff gage at site 600 ft upstream from present site at datum 52 26 ft higher Oct 1, 1956, to Feb 10, 1963, water-stage recorder in boat basin on south shore of East Lake Tohopekaliga at datum 0 14 ft lower

Average discharge --20 years (1942-62), 255 cfs (184,600 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 18, 1961	a 23	b 62 24	June 21, 1961	3 2	c 52 59
1962	Sept 11, 1962	d 211	e 54 21	Many days	0 21	f 51 94
1963	May 30 to June 1	g 245	h 56 54	do	0	i 53 69
1964	Jan 15, 1964	j 1,040	k 58 77	do	0	l 53 92
1965	Oct 1-3, 1964	m 567	n 58 18	do	0	o 54 34

a Maximum daily discharge for flood event whose crest occurred during year, maximum discharge, 1,580 cfs Oct 1, 1960, occurred on recession following crest of Sept 30, 1960 b Occurred Oct 1, 1960

c affected by wind d Maximum discharge measured e Occurred Sept 28, 30, 1962 (affected by wind)

f Occurred June 18, 1962 (affected by wind) g Maximum daily discharge h Occurred Mar 30, 1963

i Occurred Jan 20, 1963, former site, present datum (affected by wind) j Occurred Dec 31, 1963 (affected by wind) k Occurred Apr 22, 1964

l Occurred Jan 3, 1965 (affected by wind) m Occurred July 24, 1965 (affected by wind)

1942-65 Maximum discharge, 1,600 cfs Sept 30, 1960 (gage height, 62 16 ft, former site, present datum), affected by wind, no flow for many days in some years, minimum gage height, 51 80 ft June 16, 1962, former site, present datum (affected by wind)

Remarks --Records good except those for the 1969 water year, those below 100 cfs, which are fair, and those for period of shifting control, which are poor. Since Feb 11, 1963, flow regulated at station by Central and Southern Florida Flood Control District Records do not include diversions from Lake Mary Jane through Diastion Canal into St Johns River basin that may occur during high water Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

Cooperation --Gage-height and gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,580	1,020	636	368	272	219	145	50	16	13	13	17
2	1,580	1,000	627	363	270	218	144	52	15	12	12	17
3	1,540	994	605	359	267	214	134	50	14	12	11	17
4	1,520	970	591	355	268	211	133	48	13	13	8.7	17
5	1,500	954	580	345	264	208	127	48	11	12	8.4	16
6	1,480	938	569	338	259	205	122	46	11	11	7.7	14
7	1,470	926	560	335	263	202	125	44	9.2	11	7.4	14
8	1,480	902	550	331	271	198	117	41	8.0	10	6.7	13
9	1,480	886	542	332	271	197	111	40	8.0	10	6.2	12
10	1,480	872	534	325	267	190	110	44	7.7	11	6.0	13
11	1,460	860	525	320	264	183	105	43	7.0	11	6.0	13
12	1,440	848	529	317	262	179	100	41	6.7	11	5.7	13
13	1,410	834	518	320	259	177	106	40	6.2	11	5.7	13
14	1,390	822	505	324	256	176	102	39	6.0	11	5.5	12
15	1,370	808	489	322	254	173	97	37	5.7	10	5.3	14
16	1,360	794	496	320	252	169	99	35	5.3	9.6	5.3	16
17	1,340	785	485	319	249	166	96	34	5.5	9.2	5.5	21
18	1,320	770	477	316	246	166	91	32	5.3	9.6	6.0	23
19	1,280	765	469	310	244	175	89	29	4.5	12	5.5	20
20	1,270	749	457	313	242	174	86	28	3.8	15	6.0	20
21	1,260	736	450	305	240	172	81	26	3.2	16	6.0	20
22	1,230	725	444	303	237	170	76	25	3.3	17	6.2	20
23	1,200	714	432	297	236	167	73	23	4.7	18	6.5	21
24	1,180	704	422	294	234	165	69	21	6.7	18	6.2	20
25	1,150	695	413	293	230	161	68	20	7.4	18	6.7	20
26	1,120	686	405	287	230	156	67	20	8.7	17	8.0	19
27	1,100	673	398	287	224	152	64	23	11	17	11	18
28	1,080	663	392	284	221	147	63	21	13	16	13	17
29	1,060	653	385	283	-----	147	59	19	13	15	14	18
30	1,040	646	380	281	-----	146	55	17	13	14	15	17
31	1,020	-----	373	275	-----	140	-----	17	-----	13	16	-----
TOTAL	41,170	24,362	15,238	9,821	7,052	5,523	2,911	1,053	252.9	403.4	252.2	505
MEAN	1,328	813	492	317	252	178	97.0	34.0	8.43	13.0	8.14	16.8
MAX	1,580	1,020	636	368	272	219	145	52	16	18	16	23
MIN	1,020	646	373	275	221	140	55	17	3.2	9.2	5.3	12
CFSM	4.43	2.71	1.64	1.06	.84	.59	.37	.11	.03	.04	.03	.06
IN.	5.10	3.02	1.89	1.22	.87	.68	.36	.13	.03	.05	.03	.06

CAL YR 1960 TOTAL 242,818 MEAN 663 MAX 1,590 MIN 243 CFSM 2.21 IN 30.10  
WAT YR 1961 TOTAL 198,563.5 MEAN 297 MAX 1,580 MIN 3.2 CFSM .99 IN 13.46

Note --Shifting-control method used June 23 to Sept 25

## 2-2635 St Cloud Canal at S-59, near St Cloud, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	1.4	.20	0	0	0	0	0	0	0	0	4.0
2	12	1.3	.20	0	0	0	.10	0	0	0	0	5.3
3	10	1.2	.20	0	0	0	.10	0	0	0	0	6.2
4	9.2	1.2	.20	0	0	0	0	0	0	0	0	20
5	8.7	1.3	.10	0	0	0	0	0	0	0	0	60
6	7.7	1.3	.10	0	0	0	0	0	0	0	0	120
7	6.7	1.4	.10	.10	.10	0	0	0	0	0	0	160
8	5.5	1.7	.10	.10	0	0	0	0	0	0	0	200
9	5.1	1.4	0	.20	0	0	0	0	0	0	0	210
10	4.7	1.1	0	.20	.50	0	0	0	0	0	0	210
11	4.3	1.0	0	.50	.50	0	0	0	0	0	.10	211
12	4.5	1.0	0	.50	.10	0	0	0	0	0	.10	210
13	6.5	.90	.10	.40	.10	0	0	0	0	0	.10	90
14	8.0	.80	.10	.20	.10	0	0	0	0	0	0	1.0
15	5.7	.80	.10	.10	.10	0	0	0	0	0	0	1.0
16	4.3	.80	.10	.20	.10	0	0	0	0	0	0	1.0
17	4.0	.80	0	.40	.10	.10	0	0	0	0	0	1.0
18	3.7	.70	0	.20	0	0	0	0	0	0	0	1.0
19	3.6	.70	.10	.20	0	0	0	0	0	0	.10	.90
20	3.3	.80	.40	.40	.20	0	0	0	0	0	.20	.90
21	2.9	.80	.30	.30	0	0	0	0	0	0	.20	.80
22	2.8	.40	.10	.20	0	0	0	0	0	0	.20	.80
23	2.7	.40	0	.20	0	.20	0	0	0	0	.20	.70
24	2.3	.70	.20	.20	0	0	0	0	0	0	.20	.70
25	2.1	.50	.10	.20	0	0	0	0	0	0	.40	.60
26	1.8	.50	0	.20	0	0	0	0	0	0	.60	.60
27	1.5	.40	0	.10	0	.10	0	0	0	0	.90	.60
28	1.0	.40	0	.20	0	0	0	0	0	0	1.6	.60
29	1.1	.40	0	.30	-----	0	0	0	0	0	2.3	.60
30	1.7	.50	0	0	-----	0	0	0	0	0	2.9	.60
31	1.6	-----	0	0	-----	0	-----	0	-----	0	3.3	-----
TOTAL	133.0	26.60	2.80	5.60	1.90	0.40	0.20	0	0	0	13.40	1,519.90
MEAN	4.94	.89	.090	.18	.068	.013	.007	0	0	0	.43	50.7
MAX	14	1.7	.40	.50	.50	.20	.10	0	0	0	3.3	211
MIN	1.0	.40	0	0	0	0	0	0	0	0	0	.60
CFSM	.02	.003	.0003	.0006	.0002	0	0	0	0	0	.001	.17
IN-	.02	.003	.003	.0006	.0002	0	0	0	0	0	.002	.19
CAL YR 1961	TOTAL	27,955.90	MEAN	76.6	MAX	368	MIN	0	CFSM	.26	IN	3.47
WAT YR 1962	TOTAL	1,723.80	MEAN	4.72	MAX	211	MIN	0	CFSM	.02	IN	.21

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.60	28	27	22	0	0	0	57	245	0	89	171
2	.60	27	27	21	0	0	0	58	242	0	89	56
3	.60	26	26	22	0	0	21	57	240	0	89	0
4	.60	27	26	21	0	0	42	58	83	0	89	0
5	.60	26	26	20	0	6.6	36	57	0	0	89	0
6	.60	26	27	20	0	0	35	57	0	0	89	0
7	.60	25	25	21	0	0	35	57	0	0	89	0
8	1.6	25	24	20	0	0	62	57	0	0	88	0
9	3.0	30	25	20	0	0	74	57	0	0	88	0
10	3.0	31	25	20	0	0	74	57	0	0	87	0
11	3.0	31	23	20	5.2	4.8	74	56	0	0	87	0
12	3.0	31	24	20	10	0	28	56	0	0	87	0
13	3.0	33	24	19	10	1.7	0	79	0	0	86	0
14	3.0	33	22	20	10	0	0	92	0	0	85	0
15	2.4	32	21	21	10	0	0	91	0	0	86	0
16	1.5	31	21	22	10	0	0	91	0	0	86	0
17	1.5	31	21	21	10	0	36	90	0	0	87	0
18	1.5	31	21	20	10	0	58	90	0	0	88	0
19	1.5	31	21	10	10	0	58	90	0	0	88	0
20	1.5	31	20	0	10	0	58	90	0	0	87	0
21	1.5	30	20	0	10	0	58	90	0	0	87	0
22	1.5	31	20	0	81	0	58	87	0	0	88	0
23	37	31	20	0	100	0	57	72	0	0	88	0
24	32	30	20	0	141	0	58	72	0	0	88	46
25	30	30	20	0	198	0	58	72	0	0	88	68
26	30	33	22	0	138	0	58	71	0	0	146	67
27	29	31	22	0	50	0	58	128	0	0	177	125
28	27	29	23	0	99	0	58	161	0	0	175	152
29	27	27	22	0	-----	0	57	215	0	78	175	147
30	26	27	23	0	-----	0	57	245	0	89	173	150
31	27	-----	23	0	-----	0	-----	245	-----	89	171	-----
TOTAL	301.70	885	713	380	912.2	13.1	1,268	2,855	810	256	3,209	982
MEAN	9.73	29.5	23.0	12.3	32.6	.42	42.3	92.1	27.0	8.26	104	32.7
MAX	37	33	27	22	198	6.6	74	245	245	89	177	171
MIN	.60	25	20	0	0	0	0	56	0	0	85	0
CFSM	.03	.10	.07	.04	.11	.001	.14	.30	.09	.03	.34	.11
IN-	.04	.11	.09	.05	.11	.002	.15	.34	.10	.03	.39	.12
CAL YR 1962	TOTAL	3,441.10	MEAN	9.43	MAX	211	MIN	0	CFSM	.03	IN	.42
WAT YR 1963	TOTAL	12,565.00	MEAN	34.5	MAX	245	MIN	0	CFSM	.11	IN	1.52

## 2-2635 St Cloud Canal at S-59, near St Cloud, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	153	0	0	52	637	644	535	0	0	0	74	388
2	152	0	0	88	637	637	535	0	0	14	73	387
3	150	0	0	171	644	611	529	0	0	0	73	424
4	50	0	0	171	637	594	529	0	0	0	73	454
5	0	0	0	171	637	588	523	46	0	0	73	454
6	0	0	0	286	637	583	523	72	0	0	72	458
7	0	0	0	384	637	575	518	72	0	0	72	458
8	0	0	0	437	637	575	518	72	0	0	73	463
9	0	0	0	453	644	569	518	72	0	0	73	440
10	0	0	.30	723	644	564	518	72	0	11	72	444
11	0	0	1.0	857	644	569	512	72	0	0	71	571
12	0	0	2.1	847	644	569	512	72	0	0	134	709
13	0	0	3.3	913	644	564	506	72	0	0	165	716
14	0	0	5.0	1,030	644	564	500	72	0	0	165	668
15	0	0	9.3	1,040	644	558	500	132	0	0	165	637
16	0	0	11	1,020	644	558	494	168	0	0	165	612
17	0	0	13	869	644	558	400	168	0	0	165	594
18	0	0	14	821	637	558	336	168	0	0	165	579
19	0	0	16	821	637	552	332	109	5.9	0	166	567
20	0	0	18	821	644	552	332	73	0	0	166	567
21	0	0	19	821	644	546	329	73	0	0	166	557
22	0	0	19	821	650	552	329	30	0	0	230	529
23	0	0	22	821	644	546	329	0	0	0	262	442
24	0	0	27	821	650	546	117	0	0	7.0	364	416
25	0	0	29	821	644	540	0	0	0	0	426	479
26	0	0	31	821	644	540	0	0	7.1	14	215	500
27	0	0	33	521	644	540	0	0	0	0	75	500
28	0	0	36	637	637	540	0	0	0	0	133	500
29	0	0	42	637	644	540	0	0	0	39	274	539
30	0	0	46	637	-----	540	0	0	0	74	354	567
31	0	-----	49	637	-----	540	-----	0	-----	74	380	-----
TOTAL	505	0	446.00	19,970	18,618	17,512	10,774	1,615	13.0	233.0	5,134	15,620
MEAN	16.3	0	14.4	644	642	565	330	52.1	.43	7.52	166	521
MAX	153	0	49	1,040	650	644	535	168	7.1	74	426	710
MIN	0	0	0	52	637	540	0	0	0	0	71	388
CFSM	.05	0	.05	2.09	2.08	1.83	1.17	.17	.001	.02	.54	1.69
IN.	.06	0	.05	2.41	2.25	2.11	1.30	.20	.002	.03	.62	1.89
CAL YR 1963: TOTAL	11,636.30	MEAN 31.9	MAX 245	MIN 0	CFSM .10	IN 1.41						
WAT YR 1964: TOTAL	90,440.00	MEAN 247	MAX 1,040	MIN 0	CFSM .80	IN 10.92						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	567	0	0	74	74	150	230	147	0	0	0	80
2	567	0	0	76	74	81	232	147	0	0	80	80
3	567	0	0	76	74	81	230	101	0	0	78	81
4	562	0	0	76	74	81	230	47	0	0	79	81
5	556	0	1.0	138	74	80	230	148	0	0	119	81
6	556	0	3.0	178	73	80	230	147	0	44	245	188
7	556	0	3.0	178	73	80	230	147	0	120	304	316
8	550	0	3.0	178	73	81	230	147	0	147	304	238
9	385	0	3.0	178	73	81	227	147	0	147	304	0
10	270	0	3.0	176	303	81	227	147	0	147	300	0
11	270	0	3.0	178	412	81	227	147	22	147	300	0
12	270	0	3.0	176	244	81	227	147	79	147	300	0
13	267	0	4.0	176	81	81	227	147	79	191	300	0
14	411	0	4.0	176	81	81	230	147	80	223	300	0
15	383	0	5.0	176	81	81	227	147	79	257	300	0
16	262	0	4.0	174	81	81	227	147	79	300	222	0
17	262	0	4.0	174	81	81	227	147	80	297	147	0
18	265	0	5.0	174	81	80	227	147	103	300	104	0
19	233	0	6.0	174	81	81	227	147	191	342	79	0
20	170	0	5.0	113	81	81	227	147	227	372	79	0
21	112	0	6.0	74	81	81	202	147	225	413	79	0
22	44	0	6.0	74	81	81	148	147	223	448	80	0
23	0	0	5.0	74	81	81	148	147	223	443	80	0
24	0	0	5.0	74	182	81	148	57	223	443	80	0
25	0	0	5.0	74	225	81	148	0	176	443	80	0
26	0	0	5.0	74	232	81	147	0	147	438	80	0
27	0	0	7.0	74	232	81	147	0	147	279	80	0
28	0	0	18	74	232	81	147	0	147	221	80	0
29	0	0	34	74	-----	115	148	0	46	133	80	0
30	0	0	76	73	-----	150	148	0	0	30	80	0
31	0	-----	76	73	-----	192	-----	0	-----	0	80	-----
TOTAL	8,085	0	302.0	3,833	3,615	2,790	6,100	3,293	2,576	6,472	4,791	1,145
MEAN	261	0	9.74	124	129	90.0	203	106	85.9	209	155	38.2
MAX	567	0	76	178	412	192	232	148	227	448	304	316
MIN	0	0	0	73	73	80	147	0	0	0	79	0
CFSM	.85	0	.03	.40	.42	.29	.46	.34	.28	.68	.50	.12
IN.	.98	0	.04	.44	.44	.34	.74	.40	.31	.78	.58	.14
CAL YR 1964: TOTAL	97,876.00	MEAN 267	MAX 1,040	MIN 0	CFSM .97	IN 1.82						
WAT YR 1965: TOTAL	45,002.00	MEAN 118	MAX 567	MIN 0	CFSM .36	IN 1.16						

2-2638 Shingle Creek at airport, near Kissimmee, Fla

Location --Lat 28°18'14", long 81°27'04", on line between secs 18 and 19, T 25 S, R 29 E, near center of span on downstream side of bridge on State Highway 530, 1 mile northwest of Kissimmee Airport and 3 miles west of Kissimmee, Osceola County

Drainage area --89 2 sq mi (revised)

Records available --October 1958 to September 1965

Gage --Water-stage recorder Datum of gage is 60 66 ft above mean sea level, datum of 1929

Average discharge --7 years, 60 2 cfs (43,580 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 13, 1960	271	7 11	Many days	0	a 2 25
1962	Sept 25, 1961	251	7 77	do	0	b 2 23
1963	Sept 29, 1962	252	7 05	do	0	c 3 04
1964	Sept 13, 1964	744	8 66	do	1 0	d 3 59
1965	July 21, 1965	110	5 80	do	0	e 2 21

a Occurred June 23, 1961 b Occurred June 5, 1962 c Occurred May 22, 1963 d Occurred May 31, 1964 e Occurred June 8, 1965

1958-65 Maximum discharge, 3,320 cfs Mar 18, 1960 (gage height, 11 00 ft), no flow for many days in most years, minimum gage height, 2 21 ft June 8, 1965

Remarks --Records fair above 100 cfs and poor below

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	189	42	8.3	5.1	6.0	14	9.5	60	0	0	10	33
2	166	43	7.2	5.5	5.7	13	9.8	40	0	0	9.3	36
3	150	43	6.6	4.7	6.0	12	14	40	0	4.0	8.1	42
4	138	41	6.4	3.9	8.8	12	21	30	0	11	7.2	47
5	124	39	5.9	3.3	8.8	10	22	20	0	8.7	6.4	43
6	113	37	5.7	3.0	8.8	9 2	21	10	0	10	5.8	36
7	110	34	5.7	2.9	18	7.9	21	10	0	18	4.9	29
8	112	31	6.0	2.7	31	6.8	21	10	0	29	4.1	24
9	123	29	5.5	3.6	37	5.5	20	0	0	34	4.0	24
10	141	28	4.9	4.9	40	4.2	18	10	0	37	5.3	21
11	189	28	5.1	4.5	39	3.4	16	10	0	41	5.2	21
12	262	26	7.0	4.0	36	3.3	14	0	0	59	5.0	23
13	267	25	6.0	8.1	31	3.3	15	0	0	61	5.8	23
14	246	23	4.9	16	26	4.4	14	0	0	66	5.6	22
15	207	21	5.1	15	23	4.0	13	0	0	75	6.4	21
16	170	23	6.8	15	21	3.3	13	0	0	76	8.7	18
17	145	19	6.4	14	19	2 7	12	0	0	82	8.7	23
18	123	18	6.2	13	18	3.2	10	0	0	73	8.1	28
19	108	16	6.4	12	17	22	8.6	0	0	65	8.7	33
20	96	16	6.4	11	15	39	7.0	0	0	61	7.6	43
21	85	15	6.8	9.8	14	44	5.9	0	0	54	6.5	58
22	76	13	7.9	9.0	14	44	4.7	0	0	48	6.5	70
23	68	14	7.0	8.3	22	39	3.9	0	0	41	8.5	73
24	62	14	6 2	7.9	20	30	3.2	0	0	37	8.3	68
25	57	13	6.2	7.5	19	23	2.5	0	0	32	7.4	58
26	52	12	6.0	7.0	18	18	2.0	0	0	27	6.6	48
27	48	12	5.7	6.6	17	14	1.6	0	0	23	11	38
28	44	11	5.3	6.4	16	12	1.3	0	0	20	17	31
29	41	10	4.9	6.6	-----	9.8	1.0	0	0	16	20	25
30	39	9 8	4 5	7.0	-----	8.1	.80	0	0	13	29	20
31	38	-----	4.4	6.4	-----	6 8	-----	0	-----	11	33	-----
TOTAL	3,789	704 8	187.4	234.7	555.1	431.9	326.80	2 40	0	1,132.7	288.7	1,079
MEAN	122	23.5	6.05	7.57	19.8	13.9	10.9	.077	0	36.5	9.31	36.0
MAX	267	43	8.3	16	40	44	22	.60	0	82	33	73
MIN	38	9.8	4.4	2.7	5.7	2.7	.80	0	0	0	4.0	18
CFSM	1.37	.26	.07	.08	.22	.16	.12	.0008	0	.41	.10	.40
IN.	1.58	.29	.08	.10	.23	.18	.14	.001	0	.47	.12	.45
CAL YR 1960	TOTAL	52,554.60	MEAN	144	MAX	3,160	MIN	0	CFSM	1.61	IN	21.91
WAT YR 1961	TOTAL	8,732.50	MEAN	23.9	MAX	267	MIN	0	CFSM	.27	IN	3.64

## 2-2638 Shingle Creek at airport, near Kissimmee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	16	3.8	2.5	5.0	3.7	6.6	15	0	0	14	10	87
2	13	3.7	2.4	5.9	3.1	6.4	15	0	0	11	12	89
3	11	3.8	2.6	5.0	2.8	5.7	14	0	0	8.7	12	90
4	9.1	4.0	2.9	4.3	2.7	5.0	12	0	0	7.3	17	84
5	7.8	4.3	2.9	4.1	2.7	4.6	10	0	0	6.2	18	74
6	6.5	5.6	2.7	4.6	2.7	4.0	9.1	0	0	5.2	18	65
7	5.3	6.2	2.6	5.4	2.6	3.4	8.9	0	0	4.4	20	64
8	4.5	6.6	2.4	5.2	2.5	3.1	11	0	0	4.0	25	65
9	3.7	6.8	2.0	4.6	3.2	2.7	10	0	0	4.2	28	57
10	3.1	8.7	1.8	4.7	13	2.5	9.1	0	0	4.0	33	59
11	2.7	11	1.6	5.8	12	2.2	8.1	0	0	4.8	48	65
12	2.8	11	1.6	7.4	12	2.2	7.0	0	0	5.7	50	68
13	3.8	11	1.8	7.8	23	2.3	5.9	0	0	4.2	43	68
14	16	9.8	2.2	7.8	27	2.3	4.8	0	0	3.8	36	61
15	17	8.9	2.2	8.3	25	3.0	4.0	0	0	4.0	30	53
16	16	7.8	2.1	8.3	23	11	3.3	0	.30	4.1	25	48
17	18	6.6	2.0	8.1	21	14	2.5	0	6.6	4.1	22	42
18	18	5.9	1.9	7.6	18	12	2.1	0	8.5	4.0	21	39
19	18	5.3	2.9	7.6	17	13	1.7	0	12	3.6	27	34
20	16	4.5	4.1	7.4	15	15	1.3	0	17	4.4	32	35
21	14	4.1	4.2	7.0	13	15	1.0	0	19	9.1	34	46
22	13	3.7	5.2	7.6	12	14	.80	0	21	9.1	31	89
23	11	3.7	5.9	8.7	11	16	.60	0	25	7.3	26	176
24	10	4.9	5.8	7.9	9.4	17	.40	0	25	5.7	26	233
25	8.9	4.3	5.2	6.6	8.3	16	.30	0	23	4.6	25	250
26	7.8	3.7	4.5	5.8	7.3	19	.10	0	22	4.0	24	243
27	6.8	3.4	4.2	5.4	6.4	20	.10	0	21	3.5	26	226
28	5.8	3.1	4.1	5.3	6.2	20	0	0	20	3.6	39	208
29	5.3	2.8	3.8	5.2	-----	19	0	0	17	4.1	70	183
30	5.3	2.6	3.4	4.5	-----	18	0	0	15	5.3	73	155
31	4.5	-----	3.1	4.1	-----	16	-----	0	-----	7.1	79	-----
TOTAL	300.7	171.6	96.6	193.0	305.6	311.0	158.10	0	252.40	175.1	980	3,056
MEAN	9.70	5.72	3.12	6.23	10.9	10.0	5.27	0	8.41	5.65	31.6	102
MAX	18	11	5.9	8.7	27	20	15	0	25	14	79	250
MIN	2.7	2.6	1.6	4.1	2.5	2.2	0	0	0	3.5	10	34
CFSM	.11	.06	.03	.07	.12	.11	.06	0	.09	.06	.35	1.14
IN.	.13	.07	.04	.08	.13	.13	.07	0	.11	.07	.41	1.27
CAL YR 1961	TOTAL 4,620.20			MEAN 12.7		MAX 82	MIN 0	CFSM .14		IN 1.93		
WAT YR 1962	TOTAL 6,000.10			MEAN 16.4		MAX 250	MIN 0	CFSM .18		IN 2.50		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	125	6.9	7.8	5.5	26	98	6.0	.30	6.0	7.4	9.3	49
2	97	6.3	7.5	5.1	24	103	5.3	3.0	6.3	6.8	9.5	42
3	76	5.9	7.2	4.9	23	107	4.4	3.5	6.8	6.8	8.3	37
4	62	6.0	7.0	4.5	29	105	3.7	3.5	6.8	8.8	8.8	33
5	54	5.9	6.9	4.3	36	103	3.1	4.5	5.9	8.8	11	32
6	52	5.5	6.6	4.0	42	107	2.6	4.8	6.6	6.6	13	55
7	52	5.4	6.3	4.3	44	109	2.0	4.4	5.9	6.2	16	45
8	52	5.6	5.9	3.9	45	102	1.7	3.7	4.0	7.5	18	36
9	54	20	6.2	3.7	44	92	1.4	2.8	2.9	8.3	20	30
10	52	24	6.2	3.5	41	96	1.1	1.8	2.4	8.8	24	24
11	48	21	5.5	3.5	37	88	1.6	1.0	2.1	11	22	20
12	44	27	5.1	3.5	79	84	2.6	.60	1.6	15	24	18
13	41	25	4.5	3.5	102	80	3.0	.50	1.0	20	32	17
14	37	25	4.0	4.2	100	74	2.8	.40	.60	34	40	18
15	34	24	3.8	8.8	101	66	2.1	.20	.40	60	33	27
16	31	22	3.6	11	102	58	1.6	.10	.30	66	35	27
17	28	21	3.5	11	96	49	1.0	0	.40	74	31	26
18	24	19	3.4	9.7	84	42	.70	0	.30	74	28	24
19	21	18	3.3	8.5	76	37	.60	0	.20	62	26	33
20	16	16	3.3	7.5	74	31	.40	0	.10	50	25	32
21	15	15	3.2	9.0	67	28	.30	0	0	43	26	31
22	14	13	3.2	9.3	61	24	.30	0	0	41	44	31
23	14	12	3.2	9.5	57	20	.20	.10	0	51	57	45
24	12	12	3.2	14	55	17	.20	.20	0	54	72	109
25	11	12	3.8	15	50	15	.10	.20	.20	46	84	133
26	9.5	11	11	23	58	13	.10	.30	5.4	40	88	157
27	8.6	9.7	9.3	28	91	12	.10	.60	11	28	88	200
28	7.8	9.2	7.2	29	96	11	0	.80	9.7	19	81	242
29	7.0	8.5	6.3	29	-----	-----	0	1.1	7.8	15	72	246
30	6.6	8.1	6.2	28	-----	7.6	0	4.4	7.2	13	63	217
31	6.8	-----	5.9	27	-----	6.8	-----	6.4	-----	11	56	-----
TOTAL	1,114.3	415.0	170.1	335.7	1,740	1,794.2	49.00	49.20	101.90	904.0	1,164.9	2,036
MEAN	35.9	13.8	5.49	10.8	62.1	57.9	1.63	1.59	3.40	29.2	37.6	67.9
MAX	125	25	11	29	102	109	6.0	6.4	11	74	88	246
MIN	6.6	5.4	3.2	3.5	23	6.8	0	0	0	6.2	8.3	17
CFSM	.40	.16	.06	.12	.70	.65	.02	.02	.04	.33	.42	.76
IN.	.46	.17	.07	.14	.73	.75	.02	.02	.04	.38	.49	.85
CAL YR 1962	TOTAL 7,110.60			MEAN 19.5		MAX 250	MIN 0	CFSM .32		IN 2.77		
WAT YR 1963	TOTAL 9,874.30			MEAN 27.1		MAX 246	MIN 0	CFSM .36		IN 4.77		

## 2-2638 Shingle Creek at airport, near Kissimmee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	186	3.5	292	55	76	48	302	22	4.7	4.5	28	221
2	154	3.5	219	52	71	44	271	40	3.1	9.5	26	265
3	122	3.3	163	49	68	41	226	42	2.7	9.5	23	273
4	90	3.3	120	45	78	38	174	47	5.8	8.9	18	231
5	75	4.1	91	43	111	35	130	53	14	12	20	192
6	60	7.5	72	42	145	32	96	57	17	19	36	179
7	49	3.0	60	47	155	30	72	55	16	18	24	185
8	41	7.0	51	57	197	28	56	49	12	15	23	182
9	34	6.4	44	57	226	26	45	41	9.3	13	35	169
10	29	124	39	55	246	24	37	34	7.6	10	59	329
11	24	255	35	54	260	22	31	27	6.5	8.5	128	483
12	21	194	32	194	248	19	26	72	5.2	7.2	107	559
13	18	225	30	374	214	19	22	164	4.1	6.0	83	721
14	15	270	29	506	176	18	19	20	3.4	5.2	89	715
15	13	273	32	613	139	16	16	18	3.0	4.2	113	649
16	12	234	33	536	113	15	14	14	2.9	3.7	106	578
17	11	186	32	461	91	18	12	12	2.8	3.6	94	502
18	11	145	33	393	84	20	10	10	2.8	4.5	79	428
19	10	104	32	331	108	23	8 9	8.5	2.9	4.0	66	362
20	9.3	63	31	288	120	30	7.6	7.2	4.0	3.0	54	308
21	8 3	66	30	248	122	40	6.5	5.9	3.2	2.5	46	248
22	7.5	55	30	212	122	45	5.4	5.0	2.4	4.1	41	199
23	7.0	60	30	179	118	45	4.5	4.2	1.7	11	41	158
24	6.8	40	43	161	105	43	3.8	3.7	1.5	11	58	126
25	6.8	38	52	133	90	40	3 4	3 2	1.2	11	90	101
26	6.6	91	53	113	78	39	2.9	2.8	1.0	22	102	81
27	6.0	238	54	98	67	45	2.4	2.4	1.0	31	116	65
28	5 4	377	55	97	61	70	5.8	2.0	2.1	30	193	95
29	4.8	394	55	91	54	178	11	1.6	2.0	32	216	43
30	4.2	350	53	85	-----	184	10	1.3	2.0	34	206	36
31	3.7	-----	54	81	-----	271	-----	1.4	-----	34	212	-----
TOTAL MEAN	1,057.4	3,845.6	1,979	5,750	3,741	1,501	1,631.7	630.2	147.9	391.9	2,532	8,640
MAX	344.1	1,08	63.8	185	229	48.4	94.4	20.3	4.93	12.6	81.7	288
MIN	186	399	292	613	260	271	302	57	17	34	216	721
CFSM	3.7	3.3	29	42	54	15	2.9	1.3	1.0	2.5	18	36
IN.	.38	1.44	.72	2.08	1.45	.54	.61	.23	.06	.14	.92	3.23
IN.	.44	1.60	.83	2.40	1.56	.63	.68	.26	.06	.16	1.06	3.60
CAL YR 1963	TOTAL 15,097.90	MEAN 41.3	MAX 399	MIN 0	CFSM .46	IN 6.28						
WAT YR 1964	TOTAL 31,848.7	MEAN 87.0	MAX 721	MIN 1.0	CFSM .98	IN 13.28						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	32	0.8	6.3	7.2	8.5	49	10	2 4	0	5.8	66	34
2	30	6.5	6.3	6.8	8.8	47	9.0	1 8	0	4.2	66	34
3	28	6.8	6 8	6 5	9.2	44	7 8	1.4	0	3.1	69	34
4	25	7.0	7.8	6.8	8.8	41	6.8	1.1	0	2.3	75	31
5	23	7.0	15	7.0	8 2	36	6 0	90	0	1.8	76	28
6	22	6.8	22	7.0	8.2	32	5.4	.70	0	2.0	72	24
7	22	6 8	19	6.8	10	29	4 9	.60	0	3.8	72	21
8	23	6.5	18	6.3	12	27	4.2	.50	0	3.7	98	19
9	24	6.0	19	6.3	12	24	3.8	.30	0	4.2	103	17
10	24	6.0	19	6.3	11	22	2.8	.30	0	7.0	94	16
11	23	5.8	18	6.3	11	20	2.4	.70	4.0	15	83	14
12	23	6.0	17	6 3	10	18	2.7	.10	16	27	76	12
13	22	6.0	16	6.3	10	17	1.7	0	16	50	66	11
14	21	5.8	16	6.3	9.5	21	1.5	0	13	62	57	10
15	20	5 6	16	14	8.8	21	1.2	0	12	69	50	9.0
16	19	5.6	15	17	8.2	24	1.0	0	11	73	44	8.0
17	17	5.6	14	16	8.8	26	.90	0	11	85	40	7.0
18	16	5.6	13	16	8.2	23	.70	0	18	102	36	7.8
19	15	5.6	12	16	8.0	23	.70	0	30	107	34	9.2
20	14	5.8	12	16	7.0	22	.50	0	30	107	47	9.5
21	12	6.3	12	16	6.5	21	.60	0	28	108	65	9.5
22	12	6.0	11	15	6 3	20	1.8	0	24	108	69	9.0
23	11	6.0	10	14	17	19	2.3	0	22	107	76	8.5
24	10	6.0	9 8	14	38	18	2.0	0	21	106	77	7.2
25	10	6.3	9.2	15	41	16	2.2	0	16	101	74	6.5
26	9.5	6.0	8.8	14	43	14	2 8	0	13	96	68	6.3
27	9.0	5.8	8.8	13	47	14	3 6	0	81	60	60	6.0
28	8.8	5.8	8.8	12	50	13	5.6	0	10	67	54	14
29	8.0	7.0	8.2	11	-----	12	4.7	0	8.2	62	48	20
30	7.5	6.8	8.2	10	-----	13	3.3	0	7.2	66	41	34
31	6.8	-----	7 8	9.5	-----	12	-----	0	-----	66	36	-----
TOTAL MEAN	547.6	185.4	390.8	330.7	435.0	738	101.80	10.30	322.4	1,702.9	1,992	480.5
MAX	32	7.0	22	17	50	23 8	3.9	30	10.7	94.9	84.3	16.0
MIN	6.8	5.6	6.3	6.3	6.3	12	.50	0	0	1.8	34	6.3
CFSM	20	.07	.14	.12	.17	27	.04	.004	.12	.62	.72	.18
IN.	.23	.08	.16	.14	.18	.31	.04	.004	.13	.71	.83	.20
CAL YR 1964	TOTAL 26,089.7	MEAN 71.3	MAX 721	MIN 1.0	CFSM .80	IN 10.88						
WAT YR 1965	TOTAL 7,237.60	MEAN 19.8	MAX 108	MIN 0	CFSM .22	IN 3.02						



## 2-2640 Cypress Creek at Vineland, Fla

Location --Lat 28°23'25", long 81°31'11", in NW<sup>1</sup> sec 21, T 24 S, R 28 E, at upstream side of culverts on State Highway 535, 1 mile west of Vineland, Orange County

Drainage area --30.3 sq mi

Records available --August 1945 to September 1965

Gage --Digital water-stage recorder Datum of gage is 96.20 ft above mean sea level, datum of 1929 Prior to June 13, 1946, staff gage and June 13, 1946, to May 17, 1965, graphic water-stage recorder, at same site and datum

Average discharge --20 years, 9.25 cfs (6,700 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (30 cfs revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Mar 20, 1961	0500	a 24	2 66	Sept 24, 1963	0100	* 13	2 60	Sept 13, 1964	1000	57	3 26
Sept 20, 1962	1900	* 12	2 68	Sept 10 1964	2000	* 60	3 30	Sept 30, 1965	2130	b 17	2 67

a Maximum independent peak discharge, maximum discharge during year, 111 cfs Oct 1, 1960 (gage height, 3.73 ft), occurred on recession following peak of Sept 11, 1960

b Maximum peak discharge, maximum discharge during year, 19 cfs Oct 1, 1964 (gage height, 2.71 ft, stage falling)

No flow for many days each water year 1961-65

1945-65 Maximum discharge, 354 cfs Sept 11, 1960 (gage height, 4.66 ft), no flow for many days in most years Creek dry at gage for many days in some years

Remarks --Records fair Some diversions by pumping above station for irrigation

Revisions --WSP 1554 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	109	38	17	4.8	2.8	5.2	8.1	.40	0	3.2	1.3	5.2
2	107	37	16	5.2	2.7	5.2	7.6	.50	0	6.2	1.3	3.8
3	102	35	16	4.8	3.2	5.2	7.3	.40	0	5.2	1.3	3.3
4	97	33	15	4.5	4.2	4.8	6.5	.40	0	3.3	1.1	2.7
5	91	32	14	4.5	3.8	4.8	6.0	.40	0	2.3	1.2	2.2
6	87	31	12	4.2	3.8	4.5	5.2	.40	0	2.0	1.1	1.7
7	86	30	11	3.6	10	4.2	4.5	.30	0	1.6	.90	1.4
8	85	29	10	3.6	15	3.8	3.8	.30	0	1.3	.80	1.4
9	94	27	9.2	4.5	12	3.8	3.6	.20	0	1.1	.90	1.7
10	95	25	8.6	4.5	11	3.4	3.4	.30	0	1.6	1.3	2.0
11	85	25	8.1	4.2	9.8	3.4	3.2	.30	0	3.0	1.4	1.8
12	84	24	9.2	3.8	9.2	3.0	3.4	.20	0	7.6	1.1	2.2
13	87	24	8.6	7.9	8.1	2.8	3.8	.20	0	8.0	.90	2.3
14	82	22	8.1	10	7.6	2.8	3.2	.20	0	5.2	.80	1.7
15	78	22	9.2	9.2	7.0	2.6	2.8	.20	0	4.2	.80	1.5
16	74	22	9.8	7.6	6.5	2.4	2.6	.10	0	2.8	1.0	1.3
17	71	21	8.6	7.0	6.0	2.6	2.2	.10	0	2.0	5.9	7.5
18	67	21	8.1	6.5	5.6	3.0	1.9	.10	0	1.6	10	9.5
19	65	21	7.6	6.0	5.2	9.4	1.7	0	0	2.2	7.4	7.0
20	61	21	7.6	6.0	4.8	22	1.5	0	0	2.6	6.4	5.2
21	58	21	7.6	5.6	4.5	18	1.4	0	0	3.7	4.2	3.8
22	57	20	7.0	4.8	4.8	15	1.3	0	0	14	2.8	3.0
23	54	20	6.5	4.2	5.2	14	1.2	0	0	9.8	2.3	2.3
24	50	19	6.5	3.8	5.2	12	1.1	0	0	7.0	1.7	1.8
25	47	18	6.0	3.6	5.6	11	1.0	0	0	4.7	3.0	1.5
26	43	18	5.6	3.4	5.6	9.8	.90	0	0	3.1	4.7	1.2
27	42	18	5.2	3.2	5.6	8.6	.80	0	0	2.2	11	1.0
28	41	16	5.2	2.8	5.6	7.0	.80	0	0	1.6	16	.90
29	39	19	5.2	3.2	-----	6.0	.60	0	0	1.3	13	.70
30	37	18	5.2	3.4	-----	5.6	.50	0	.10	1.1	10	.70
31	37	-----	4.8	3.2	-----	5.6	-----	0	-----	.90	7.0	-----
TOTAL	2,214	728	278.5	153.6	180.4	211.5	91.60	5.00	0.10	116.40	122.60	82.30
MEAN	71.4	24.3	6.98	4.95	6.44	6.82	3.05	.16	.003	3.75	3.95	2.74
MAX	109	38	17	10	15	22	8.1	.50	.10	14	16	9.5
MIN	37	18	4.6	2.8	2.7	2.4	.50	0	0	.90	.80	.70
CFSM	2.36	.90	.30	.16	.21	.23	.10	.005	.0001	.12	.13	.09
IN.	2.72	.89	.34	.19	.22	.26	.11	.006	.0001	.14	.15	.10
CAL YR 1960	TOTAL	14,438.0	MEAN	39.4	MAX	312	MIN	4.8	CFSM	1.30	IN	17.72
WAT YR 1961	TOTAL	4,184.00	MEAN	11.5	MAX	109	MIN	0	CFSM	.38	IN	5.14

## 2-2640 Cypress Creek at Vineland, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.60	.50	.20	.40	.30	.10	.40	0	0	0	1.0	.70
2	.50	.50	.20	.40	.20	.10	.50	0	0	0	1.0	.60
3	.50	.40	.20	.40	.20	.10	.40	0	0	0	1.5	.50
4	.40	.40	.20	.30	.20	0	.20	0	0	0	2.0	.60
5	.30	.60	.20	.30	.20	0	.30	0	0	0	1.7	1.2
6	.30	1.0	.20	.40	.20	0	.30	0	0	0	1.6	1.8
7	.30	.90	.20	.50	.20	0	.40	0	0	0	1.5	1.5
8	.30	.80	.20	.50	.20	0	.50	0	0	0	1.4	1.2
9	.30	.60	.20	.40	.20	0	.40	0	0	0	1.1	1.0
10	.30	.50	.20	.40	.40	0	.40	0	0	0	1.0	.90
11	.40	.50	.10	.50	.30	0	.30	0	0	0	.90	.80
12	.50	.50	.10	.70	.30	0	.20	0	0	0	.90	.80
13	1.6	.30	.30	.70	.30	0	.20	0	0	0	.70	1.1
14	.9	.40	.30	.70	.20	0	.10	0	0	0	.60	1.6
15	6.3	.40	.30	.60	.20	.10	.10	0	0	0	.60	1.6
16	3.5	.40	.20	.50	.20	.80	.10	0	0	0	.60	1.3
17	2.6	.40	.20	.50	.20	.60	0	0	.10	0	.60	1.1
18	7.0	.30	.20	.50	.20	.50	0	0	.10	0	.60	1.4
19	1.6	.30	.40	.40	.20	.40	0	0	.10	0	.60	4.3
20	1.4	.30	.40	.40	.20	.40	0	0	.10	.10	.70	11
21	1.1	.30	.30	.40	.10	.30	0	0	.10	.20	.60	11
22	1.0	.30	.40	.40	.10	.30	0	0	.20	.20	.50	9.0
23	.90	.30	.30	.40	.10	1.1	0	0	.30	.20	.70	9.8
24	.80	.40	.30	.40	.10	1.0	0	0	.20	.20	.90	8.3
25	.70	.30	.20	.40	.10	.90	0	0	.20	.20	.80	7.1
26	.70	.20	.20	.40	.10	.90	0	0	.10	.20	.70	5.9
27	.70	.30	.20	.30	.70	.30	0	0	.10	.10	.70	4.4
28	.60	.30	.20	.40	.10	.60	0	0	.10	.20	.90	4.4
29	.70	.20	.20	.30	-----	.50	0	0	0	1.9	1.0	3.5
30	.70	.20	.20	.30	-----	.50	0	0	0	1.1	.80	2.9
31	.60	-----	.20	.30	-----	.40	-----	0	-----	1.0	.70	-----
TOTAL	41.10	13.00	7.10	13.50	5.40	10.30	4.90	0	1.70	5.60	28.80	101.80
MEAN	1.33	.43	.23	.44	.19	.33	.16	0	.057	.18	.93	3.39
MAX	8.9	1.0	.40	.70	.40	1.1	.50	0	.30	1.9	2.0	11
MIN	.30	.20	.10	.30	.10	0	0	0	0	0	.50	.50
CFSM	.04	.01	.008	.01	.006	.01	.005	0	.002	.006	.03	.11
IN.	.05	.02	.009	.02	.007	.01	.006	0	.002	.007	.04	.12

CAL YR 1961- TOTAL 1,024.70 MEAN 2.81 MAX 22 MIN 0 CFSM .09 IN 1.26  
 MAY YR 1962 TOTAL 233.20 MEAN 1.64 MAX 11 MIN 0 CFSM .02 IN 1.29

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.4	.30	.30	.20	.40	4.2	.30	.10	.40	2.8	.70	.40
2	2.0	.30	.30	.20	.40	5.1	.20	.20	.40	2.2	1.3	.40
3	1.8	.30	.30	.20	.40	6.4	.20	.20	.30	3.3	.90	.90
4	1.7	.30	.30	.20	1.6	5.6	.20	.30	3.2	1.5	.60	.40
5	2.2	.30	.30	.20	2.0	4.5	.20	.20	.30	2.6	2.3	.40
6	1.8	.30	.30	.20	2.0	3.8	.20	.10	.40	2.0	2.4	.40
7	1.5	.20	.20	.20	1.9	3.2	.40	.10	.40	1.8	2.4	.40
8	1.3	.30	.20	.20	1.6	2.7	.40	.10	.40	2.2	1.6	.30
9	1.1	1.1	.20	.20	1.4	3.2	.30	.10	.40	1.8	1.2	.30
10	1.0	.90	.20	.20	1.2	5.4	.30	0	.40	2.1	.80	.30
11	.80	.70	.20	.20	1.1	4.5	.30	0	.30	2.0	.70	.20
12	.70	.70	.20	.20	5.9	3.9	.20	0	.30	1.5	1.8	.20
13	.50	1.0	.20	.20	5.3	3.3	.20	0	.20	2.5	4.2	.20
14	.50	.80	.20	.20	4.4	2.7	.20	0	.20	7.9	4.2	.20
15	.40	.60	.20	.20	3.7	2.4	.20	0	.20	5.4	3.8	.30
16	.40	.50	.20	.20	3.5	2.0	.10	0	.10	3.9	3.6	.30
17	.40	.50	.20	.20	3.7	1.9	.10	0	.10	3.1	2.8	.30
18	.40	.40	.20	.20	3.2	1.6	.10	0	.10	2.4	2.4	1.0
19	.30	.40	.20	.20	3.8	1.2	.10	0	.10	1.6	2.0	3.9
20	.30	.40	.20	.20	3.7	1.1	.10	0	.10	1.2	3.9	3.0
21	.30	.40	.20	.20	3.1	.80	0	0	.10	1.0	7.6	2.4
22	.40	.40	.20	.20	2.6	.60	0	0	0	1.1	5.9	2.2
23	.40	.40	.20	.30	2.3	.50	0	0	.10	1.2	4.4	8.3
24	.40	.40	.20	.40	2.1	.40	0	0	.60	.90	3.3	12
25	.30	.40	.20	.40	2.0	.40	0	.10	2.2	.60	3.1	11
26	.30	.30	.20	.50	4.0	.40	.10	.30	3.9	.40	2.4	8.3
27	.30	.30	.20	.60	6.0	.40	.10	.50	3.9	.40	1.8	6.5
28	.30	.30	.20	.50	4.9	.40	.10	.40	4.8	.40	1.4	5.1
29	.20	.30	.20	.40	-----	.30	.10	.40	5.4	.40	1.0	4.2
30	.20	.30	.20	.40	-----	.30	0	.60	3.8	.40	.70	3.6
31	.30	-----	.20	.40	-----	.30	-----	.50	-----	.70	.50	-----
TOTAL	24.90	13.80	6.80	8.30	78.20	73.50	4.70	4.10	30.20	63.00	76.60	77.60
MEAN	.80	.46	.22	.27	2.79	2.37	.16	.13	1.01	2.03	2.47	2.59
MAX	2.4	1.1	.30	.60	6.0	6.4	.40	.60	5.4	7.9	7.6	12
MIN	.20	.20	.20	.20	.40	.30	0	0	0	.40	.50	.20
CFSM	.03	.02	.007	.009	.08	.09	.005	.004	.03	.07	.08	.09
IN.	.03	.02	.008	.01	.10	.09	.006	.005	.04	.08	.09	.10

CAL YR 1962 TOTAL 217.50 MEAN .60 MAX 11 MIN 0 CFSM .02 IN .27  
 MAY YR 1963 TOTAL 461.70 MEAN 1.26 MAX 12 MIN 0 CFSM .04 IN .57

## 2-2640 Cypress Creek at Vineland, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.9	.10	1.0	1.2	2.1	2.1	6.4	5.5	.70	.10	.20	6.4
2	2.5	.20	.80	1.0	1.9	2.0	5.0	11	.70	.20	.20	6.8
3	2.2	.10	.80	1.0	1.9	1.8	4.2	8.0	.70	.10	.20	13
4	1.8	.10	.80	.90	3.2	1.6	3.3	5.7	.80	.10	.10	28
5	1.5	.20	.70	.90	5.1	1.6	2.9	4.4	.60	.10	.10	20
6	1.2	.40	.70	.80	5.7	1.5	2.6	3.2	.70	.10	.20	14
7	.90	.40	.60	1.4	4.8	1.5	2.4	2.6	.70	.10	.20	10
8	.80	.30	.60	1.5	9.7	1.2	2.0	2.2	.60	0	.10	8.3
9	.60	.30	.60	1.7	7.2	1.1	1.9	1.8	.90	0	.10	9.5
10	.50	18	.50	1.6	5.5	1.0	1.6	1.4	.40	0	.20	46
11	.50	.20	.50	1.5	4.5	1.0	1.5	1.1	.30	0	1.3	51
12	.40	13	.50	12	3.7	.90	1.3	.90	.20	0	2.6	42
13	.40	8.6	.50	13	3.3	.90	1.1	.80	.20	0	2.7	57
14	.40	5.9	.50	9.2	3.1	.80	1.0	1.1	.20	0	3.5	55
15	.40	4.5	.70	6.8	2.9	.80	1.0	1.3	.10	0	5.7	51
16	.40	3.5	.60	5.5	2.8	.80	.90	1.1	.10	0	4.3	51
17	.30	2.9	.80	6.4	2.5	2.9	.80	.90	.10	0	3.0	47
18	.30	2.5	.80	6.2	3.7	2.6	.70	.80	0	0	2.4	44
19	.30	2.1	.70	5.0	3.3	2.2	.60	.60	0	0	3.5	41
20	.30	1.9	.70	4.2	4.2	3.9	.60	.60	0	0	7.0	38
21	.30	1.6	.60	3.3	3.3	3.5	.50	.50	0	0	9.7	36
22	.30	1.4	.60	3.0	3.2	2.8	.50	.40	0	0	7.0	33
23	.20	1.3	.80	2.7	3.0	2.4	.40	.40	0	0	5.0	30
24	.20	1.1	1.8	2.9	2.7	2.0	.40	.30	0	0	3.9	28
25	.20	1.4	1.6	2.7	2.5	1.8	.40	.30	0	0	3.6	26
26	.20	1.4	1.5	2.5	2.4	2.9	.40	.20	0	.20	3.1	25
27	.20	1.3	1.3	2.4	2.2	2.3	.60	.70	0	.30	6.0	24
28	.20	1.2	1.2	2.2	2.2	2.0	1.0	.20	0	.30	18	23
29	.20	1.2	1.1	2.9	2.4	2.1	1.0	.20	0	.20	15	21
30	.20	1.0	1.1	2.6	-----	12	.80	.20	0	.20	10	20
31	.10	-----	1.1	2.4	-----	8.3	-----	.30	-----	.20	7.8	-----
TOTAL	20.90	97.90	26.10	112.40	107.3	114.00	47.80	58.10	7.60	2.20	126.70	905.0
MEAN	.67	3.26	1.23	3.63	3.40	3.68	1.59	1.87	.25	.071	4.09	30.2
MAX	2.9	.20	1.6	13	9.7	21	6.4	11	.80	.30	18	57
MIN	.10	.10	.50	.80	1.9	.80	.40	.20	0	0	.10	6.4
CFSM	.02	.11	.03	.12	.12	.12	.05	.06	.008	.002	.13	1.00
IN.	.03	.12	.03	.14	.13	.14	.06	.07	.009	.003	.16	1.11
CAL YR 1963	TOTAL	201.10	MEAN	1.54	MAX	20	MIN	0	CFSM	.05	IN	.69
WAT YR 1964	TOTAL	1,626.00	MEAN	4.44	MAX	57	MIN	0	CFSM	.15	IN	2.00

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	18	3.4	1.2	.60	.50	2.9	.40	.10	0	.20	2.6	1.8
2	18	3.4	1.1	.60	.60	2.7	.30	.10	0	.20	3.1	1.5
3	18	3.4	1.0	.60	.60	2.7	.30	0	0	.10	2.8	1.2
4	17	3.3	1.0	.60	.50	2.5	.30	0	0	.10	2.6	1.0
5	16	3.2	1.7	.60	.50	2.1	.20	0	0	.10	2.1	.90
6	16	2.9	2.4	.50	.50	1.9	.20	0	0	.20	1.7	.80
7	16	2.7	2.3	.50	.80	1.6	.20	0	0	.50	1.7	.70
8	16	2.5	2.1	.50	.90	1.4	.20	0	0	.60	1.8	.70
9	16	2.3	1.9	.50	.80	1.3	.20	0	0	.50	1.7	.60
10	14	2.2	1.8	.50	.80	1.2	.20	0	0	1.1	2.1	.60
11	12	2.0	1.6	.40	.80	1.1	.10	0	0	2.4	2.2	.50
12	12	1.9	1.6	.40	.70	1.0	.10	0	0	2.3	1.9	.50
13	11	1.7	1.4	.40	.60	1.0	.10	0	0	2.3	1.5	.40
14	11	1.6	1.4	.40	.60	1.4	.10	0	.10	1.9	1.3	.40
15	11	1.6	1.4	1.1	.60	1.2	0	0	.10	1.6	1.1	.40
16	10	1.4	1.3	1.4	.60	1.1	0	0	.10	1.7	.90	.40
17	9.9	1.4	1.2	1.4	.60	1.1	0	0	.10	2.1	1.0	.40
18	9.1	1.2	1.1	1.2	.50	1.0	0	0	.20	2.3	1.9	.50
19	8.3	1.2	1.1	1.1	.50	.90	0	0	.30	2.3	4.0	.40
20	7.5	1.1	1.0	1.0	.50	.80	0	0	.30	2.2	7.7	.40
21	7.0	1.1	.90	1.0	.40	.70	0	0	.20	2.3	8.6	.40
22	6.6	1.0	.90	.90	.40	.70	.10	0	.20	1.9	7.9	.30
23	5.9	1.0	.80	.90	1.6	.70	.10	0	.30	1.5	5.2	.30
24	5.3	1.0	.80	.90	4.4	.60	.10	0	.30	1.2	3.8	.30
25	5.0	1.0	.70	.90	7.0	.60	.10	0	.30	.90	3.2	.30
26	4.8	.90	.70	.80	5.7	.50	.10	0	.30	.90	2.5	.30
27	4.5	.80	.80	.80	4.5	.50	.20	0	.30	.70	2.1	.50
28	4.4	1.0	.80	.70	3.6	.50	.20	0	.30	.80	1.7	.50
29	4.0	1.4	.80	.60	-----	.40	.10	0	.20	1.4	1.5	.80
30	3.8	1.4	.70	.60	-----	.40	.10	0	.20	1.8	1.4	4.8
31	3.5	-----	.70	.60	-----	.40	-----	0	-----	2.1	1.6	-----
TOTAL	321.6	55.00	38.20	23.90	40.10	36.90	4.00	0.20	3.80	40.80	85.20	22.90
MEAN	10.4	1.76	1.23	1.44	12.9	11.9	1.3	.007	.13	1.30	2.6	7.2
MAX	18	3.4	2.4	1.4	7.0	2.9	.40	.10	.30	2.4	8.6	4.8
MIN	3.5	.80	.70	.40	.40	.40	0	0	0	.10	.90	.30
CFSM	.34	.06	.04	.02	.05	.04	.004	.0002	.004	.04	.09	.02
IN.	.39	.07	.05	.03	.05	.05	.005	.0002	.005	.05	.10	.03
CAL YR 1964	TOTAL	1,895.90	MEAN	5.18	MAX	57	MIN	0	CFSM	.17	IN	2.33
WAT YR 1965	TOTAL	670.80	MEAN	1.84	MAX	18	MIN	0	CFSM	.06	IN	.82

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,240	2,010	1,100	675	515	461	368	233	130	88	58	58
2	3,190	1,960	1,080	669	517	459	369	234	130	87	61	61
3	3,090	1,910	998	666	514	454	353	231	124	86	56	60
4	3,026	1,860	969	669	519	441	369	227	119	84	48	59
5	2,960	1,800	948	641	506	440	339	222	112	83	51	56
6	2,880	1,760	933	633	486	436	329	219	112	79	49	46
7	2,780	1,760	918	625	502	434	350	211	113	76	46	51
8	2,790	1,660	916	623	521	429	329	209	110	74	44	52
9	2,620	1,660	904	625	513	458	317	202	109	70	42	55
10	2,820	1,580	880	609	506	436	326	218	108	70	42	58
11	2,760	1,550	856	600	500	407	321	207	107	72	41	59
12	2,780	1,530	905	594	490	398	300	205	106	74	40	63
13	2,760	1,500	895	600	495	395	305	199	106	74	39	64
14	2,730	1,470	849	597	493	407	314	204	106	69	38	55
15	2,710	1,430	803	593	490	402	299	198	106	67	37	56
16	2,700	1,420	849	593	489	395	316	197	106	66	43	56
17	2,660	1,390	822	588	482	385	314	191	105	64	46	65
18	2,620	1,360	808	583	478	379	305	196	104	62	46	68
19	2,580	1,350	783	575	483	397	296	177	103	73	52	57
20	2,540	1,300	769	591	473	391	291	177	93	71	52	55
21	2,460	1,270	780	569	472	394	289	174	89	67	53	53
22	2,500	1,240	597	557	394	476	281	189	106	70	54	52
23	2,410	1,220	765	546	490	388	276	164	96	70	52	51
24	2,340	1,200	748	544	490	387	270	154	104	68	52	50
25	2,300	1,180	730	550	488	380	265	148	101	68	52	49
26	2,260	1,160	729	534	489	366	267	151	101	67	52	48
27	2,220	1,120	716	544	466	357	263	162	98	64	55	49
28	2,150	1,090	713	538	463	355	261	155	96	61	57	51
29	2,120	1,080	704	538	-----	359	253	150	93	62	56	51
30	2,050	1,080	687	538	-----	356	243	144	91	58	56	52
31	2,010	-----	677	525	-----	338	-----	141	-----	58	57	-----
TOTAL	81,400	43,660	20,014	18,332	13,806	12,488	9,201	5,866	3,167	2,197	1,527	1,655
MAX	3,240	1,660	1,080	675	501	463	369	233	130	88	58	58
MIN	2,010	1,380	677	525	463	338	243	141	89	58	37	46
AC-FT	161,300	80,990	51,600	36,360	27,380	24,770	18,250	11,640	6,280	4,360	3,030	3,280
CAL YR 1960	TOTAL 474,493		MEAN 1,298		MAX 3,400	MIN 517		AC-FT 941,900				
WAT YR 1961	TOTAL 219,413											

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2650 South Port Canal at S-61, near St Cloud, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	49	6.5	.20	3.0	.40	2.1	3.7	2.0	1.7	4.4	0	0
2	48	4.7	.10	4.1	.40	3.7	4.2	2.0	1.5	4.0	0	0
3	44	3.4	.20	3.3	.40	3.7	3.7	2.0	1.3	4.0	0	0
4	45	4.9	.20	2.2	.40	3.7	3.4	2.0	1.3	3.5	0	0
5	46	10	.30	2.2	.30	4.0	3.4	2.0	1.4	3.4	0	0
6	43	7.5	.20	4.1	.20	5.0	3.2	4.0	1.9	2.9	0	0
7	40	7.7	.20	3.7	.60	3.2	3.1	4.4	1.9	2.5	0	0
8	36	12	.20	3.7	.30	2.4	2.9	4.6	1.6	2.4	0	0
9	36	14	.20	3.3	.30	2.2	2.8	5.4	1.5	2.4	0	0
10	37	5.0	.20	3.7	2.6	1.9	2.9	6.5	1.7	2.5	0	0
11	35	5.0	.20	5.6	3.0	1.6	3.1	6.8	2.2	2.4	0	0
12	28	5.0	.20	8.1	.80	1.4	2.8	7.0	2.3	2.4	0	0
13	30	5.0	.20	4.4	.40	1.3	2.8	7.3	1.9	2.2	0	0
14	31	5.0	.20	3.0	.30	1.4	2.0	7.0	1.9	1.8	0	0
15	46	3.0	.20	3.0	.30	1.7	2.0	6.5	2.0	1.8	0	0
16	35	3.0	.20	2.6	.30	4.0	2.0	6.5	2.0	1.9	0	0
17	25	3.0	.20	3.7	.20	4.6	2.0	6.0	2.5	1.6	0	0
18	29	3.0	.20	3.3	.20	4.2	2.0	5.8	2.8	1.3	0	0
19	25	1.0	.20	2.6	.20	3.7	2.0	5.0	3.2	1.3	0	0
20	21	1.0	1.9	2.6	.30	3.7	2.0	4.4	3.8	1.8	0	0
21	22	1.0	2.6	2.6	.40	3.8	2.0	4.0	4.2	1.9	0	0
22	12	.80	2.6	2.2	.20	3.5	2.0	3.8	4.0	1.9	0	0
23	8.5	3.0	2.2	1.5	.20	4.8	2.0	3.4	3.8	1.4	0	0
24	7.8	2.6	5.6	1.1	.20	4.6	2.0	2.9	3.7	.60	0	0
25	6.5	1.5	3.3	1.1	.20	4.4	2.0	2.5	3.2	.60	0	0
26	7.3	.80	1.5	.80	.10	4.8	2.0	2.5	3.2	.60	0	0
27	11	.40	.80	1.1	.20	4.2	2.0	2.5	3.2	.60	0	0
28	6.8	.40	.80	3.0	.10	3.8	2.0	2.5	3.1	.60	0	0
29	7.5	.40	2.2	4.1	-----	3.4	2.0	2.3	3.1	.60	0	0
30	9.7	1.1	.80	1.1	-----	3.2	2.0	2.0	4.8	.20	0	0
31	9.5	-----	.60	.40	-----	3.5	-----	1.9	-----	0	-----	0
TOTAL	837.6	121.90	28.70	91.20	13.50	103.5	76.0	127.5	76.7	59.50	0	0
MEAN	27.0	4.06	.93	2.94	.48	3.34	2.53	4.11	2.56	1.92	0	0
MAX	49	14	5.6	8.1	3.0	5.0	4.2	7.3	4.8	4.4	0	0
MIN	6.5	.40	.10	.40	.10	1.3	2.0	1.9	1.3	0	0	0
AC-FT	1,660	242	57	181	27	205	151	253	152	118	0	0
CAL YR 1961	TOTAL	69,227.20	MEAN	190	MAX	675	MIN	-10	AC-FT	137,300		
WAT YR 1962	TOTAL	1,536.10	MEAN	4.21	MAX	49	MIN	0	AC-FT	3,050		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	3.8	0	0	0	0	0	0
4	0	0	0	0	0	.90	0	0	0	0	0	0
5	0	0	0	0	0	.90	0	0	0	0	0	0
6	0	0	0	0	0	.90	0	0	0	0	0	0
7	0	0	0	0	0	.90	0	0	0	0	0	0
8	0	0	0	0	0	.90	0	0	0	0	0	0
9	0	0	0	0	0	8.4	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	102	0
15	0	0	0	0	0	0	0	0	0	0	231	0
16	0	0	0	0	0	0	0	0	0	0	229	0
17	0	0	0	0	0	0	0	0	0	0	227	0
18	0	0	0	0	0	0	0	0	0	85	224	0
19	0	0	0	0	0	0	0	0	0	131	222	0
20	0	0	0	0	0	0	0	0	0	131	220	0
21	0	0	0	0	0	0	0	0	0	131	218	0
22	0	0	0	0	0	0	0	0	0	131	221	0
23	0	0	0	0	0	0	0	0	0	220	223	0
24	0	0	0	0	0	0	0	0	0	265	226	0
25	0	0	0	0	0	0	0	0	0	536	226	1.0
26	0	0	0	0	0	0	0	0	0	794	108	1.0
27	0	0	0	0	0	0	0	0	0	738	0	1.0
28	0	0	0	0	0	0	0	0	0	682	0	1.0
29	0	0	0	0	0	0	0	0	0	365	0	1.0
30	0	0	0	0	0	0	0	0	0	208	0	1.0
31	0	0	0	0	0	0	0	0	0	91	0	-----
TOTAL	0	0	0	0	0	16.70	0	0	0	4,508	2,677	6.0
MEAN	0	0	0	0	0	.54	0	0	0	145	86.4	.20
MAX	0	0	0	0	0	8.4	0	0	0	794	231	1.0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	33	0	0	0	8,940	5,310	12
CAL YR 1962	TOTAL	567.90	MEAN	1.70	MAX	8.1	MIN	0	AC-FT	1,090		
WAT YR 1963	TOTAL	7,207.70	MEAN	19.7	MAX	794	MIN	0	AC-FT	14,900		

Note --Flow closed off by earthen dams Oct 1 to Mar 3, Mar 9 to June 1 No gage-height record Oct 1 to Feb 18

## 2-2650 South Port Canal at S-61, near St Cloud, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	3	21	59	1,700	1,460	1,090	793	1.0	1.0	1.0	879
2	0	3	20	61	1,570	1,390	1,040	793	1.0	1.0	1.0	987
3	0	2.0	20	716	1,650	1,280	1,060	775	1.0	1.0	1.0	1,310
4	0	0	24	415	1,610	1,170	1,100	756	1.0	1.0	1.0	1,410
5	0	3	24	413	1,570	1,200	1,080	758	1.0	1.0	1.0	1,360
6	0	0	26	497	1,560	1,110	1,060	705	1.0	1.0	1.0	1,340
7	0	0	26	886	1,520	1,020	762	449	1.0	1.0	1.0	1,340
8	0	0	25	935	1,630	1,000	1,080	481	1.0	1.0	1.0	1,400
9	0	1.0	26	1,520	1,540	968	1,090	473	1.0	1.0	1.0	1,350
10	0	0	24	1,760	1,520	985	1,090	473	1.0	1.0	1.0	1,160
11	0	0	22	1,670	1,520	1,020	1,080	465	1.0	1.0	1.0	1,630
12	0	0	24	1,670	1,520	1,050	1,060	465	1.0	1.0	231	1,550
13	0	0	24	2,170	1,480	1,070	1,040	481	1.0	1.0	419	1,740
14	0	0	27	2,330	1,480	986	1,020	465	1.0	1.0	415	1,890
15	0	0	38	2,340	1,460	969	1,040	457	1.0	1.0	417	1,950
16	0	1.0	38	2,270	1,460	1,020	1,020	465	1.0	1.0	417	1,860
17	0	2.0	34	2,260	1,530	1,030	738	527	1.0	1.0	546	1,820
18	0	0	37	2,260	1,580	1,020	584	546	1.0	1.0	777	1,870
19	0	1.0	36	2,230	1,620	968	585	475	1.0	1.0	1,100	1,820
20	0	2.0	32	2,150	1,600	935	584	440	1.0	1.0	1,070	1,770
21	0	3.0	33	2,150	1,620	985	584	440	1.0	1.0	1,030	1,530
22	0	4.0	30	2,120	1,710	1,040	584	448	1.0	1.0	1,000	1,320
23	1.0	6.0	32	2,110	1,640	1,000	584	433	1.0	1.0	953	1,130
24	1.0	3.0	46	2,080	1,610	1,100	326	426	1.0	1.0	885	1,010
25	0	4.0	43	2,080	1,540	1,150	141	162	1.0	1.0	833	1,030
26	1.0	9.0	43	2,050	1,590	1,130	142	1.0	1.0	1.0	566	1,030
27	2.0	9.0	44	2,060	1,560	1,150	131	1.0	1.0	1.0	486	1,010
28	0	11	40	2,080	1,540	1,170	136	1.0	1.0	1.0	418	1,010
29	0	2	49	1,660	1,540	1,150	226	1.0	1.0	1.0	534	989
30	0	20	50	1,720	-----	1,200	309	1.0	1.0	1.0	611	748
31	0	-----	50	1,700	-----	1,120	-----	1.0	-----	1.0	776	-----
TOTAL	5.0	107.0	1,014	50,122	45,570	33,796	22,366	11,557.0	30.0	31.0	13,495.0	41,193
MEAN	16	3.57	32.7	1,617	1,571	1,090	746	357	1.00	1.00	435	1,373
MAX	2.0	3	50	2,340	1,710	1,460	1,100	565	1.0	1.0	1,100	1,950
MIN	0	1	20	59	1,460	935	131	1.0	1.0	1.0	1.0	748
AC-FT	9.9	212	2,010	99,420	90,390	67,030	44,360	21,930	60	61	26,770	81,710

CAL YR 1963 TOTAL 8,333.70 MEAN 22.8 MAX 794 MIN 0 AC-FT 16,530  
 MAY YR 1964 TOTAL 218,786.00 MEAN 598 MAX 2,340 MIN 0 AC-FT 434,000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	584	1.0	1.0	1.0	1.0	501	506	346	1.0	101	346	1.0
2	573	1.0	1.0	1.0	1.0	335	507	344	1.0	101	410	1.0
3	595	1.0	1.0	1.0	1.0	341	500	234	1.0	102	449	1.0
4	595	1.0	1.0	1.0	1.0	341	496	113	1.0	100	449	1.0
5	414	1.0	1.0	1.0	1.0	344	497	341	1.0	99	515	1.0
6	371	1.0	1.0	1.0	1.0	344	493	341	1.0	164	639	520
7	167	1.0	1.0	1.0	1.0	345	494	341	1.0	211	662	1,020
8	167	1.0	1.0	1.0	1.0	256	493	340	1.0	211	662	727
9	1.0	1.0	1.0	1.0	1.0	185	493	340	1.0	206	637	1.0
10	1.0	1.0	1.0	1.0	502	185	495	338	1.0	204	637	1.0
11	1.0	1.0	1.0	1.0	791	187	487	336	30	199	802	1.0
12	1.0	1.0	1.0	1.0	197	184	485	338	157	192	868	1.0
13	1.0	1.0	1.0	1.0	1.0	190	489	338	308	285	868	1.0
14	814	1.0	1.0	1.0	1.0	191	490	332	308	337	868	1.0
15	633	1.0	1.0	1.0	1.0	189	477	330	296	374	814	1.0
16	1.0	1.0	1.0	1.0	1.0	190	478	331	252	401	632	1.0
17	1.0	1.0	1.0	1.0	1.0	188	487	329	219	401	609	1.0
18	1.0	1.0	1.0	1.0	1.0	188	479	323	248	407	341	1.0
19	1.0	1.0	1.0	1.0	1.0	190	478	323	306	524	279	1.0
20	1.0	1.0	1.0	1.0	1.0	195	477	320	303	696	285	1.0
21	1.0	1.0	1.0	1.0	1.0	201	437	317	302	844	291	1.0
22	1.0	1.0	1.0	1.0	1.0	196	350	318	296	887	291	1.0
23	1.0	1.0	1.0	1.0	204	193	350	318	293	1,120	243	1.0
24	1.0	1.0	1.0	1.0	710	195	348	314	296	1,210	206	1.0
25	1.0	1.0	1.0	1.0	692	195	343	308	247	1,170	148	1.0
26	1.0	1.0	1.0	1.0	694	194	338	305	210	1,130	75	1.0
27	1.0	1.0	1.0	1.0	693	200	341	94	210	1,090	56	1.0
28	1.0	1.0	1.0	1.0	688	199	341	1.0	211	726	58	1.0
29	1.0	1.0	1.0	1.0	-----	263	350	1.0	144	391	61	1.0
30	1.0	1.0	1.0	1.0	-----	334	347	1.0	101	340	63	1.0
31	1.0	1.0	1.0	1.0	-----	426	-----	1.0	-----	346	25	-----
TOTAL	4,768.0	30.0	31.0	31.0	5,396.0	7,665	13,346	8,358.0	4,747.0	14,569	13,149	2,294.0
MEAN	154	1.00	1.00	1.00	193	247	445	270	158	470	424	76.5
MAX	814	1.0	1.0	1.0	791	501	507	346	308	1,210	868	1,020
MIN	1.0	1.0	1.0	1.0	1.0	184	338	1.0	1.0	99	25	1.0
AC-FT	9,460	60	61	61	10,700	15,200	26,470	16,580	9,420	28,900	26,080	4,550

CAL YR 1964 TOTAL 222,489.0 MEAN 608 MAX 2,340 MIN 1.0 AC-FT 441,300  
 MAY YR 1965 TOTAL 74,382.0 MEAN 204 MAX 1,210 MIN 1.0 AC-FT 141,500

## 2-2667 Horse Creek at Davenport, Fla

Location --Lat 28°10'31", long 81°35'54", in SE<sup>1</sup> sec 34, T 26 S, R 27 E, on right bank, 5 ft downstream from bridge on county highway, 75 ft upstream from Atlantic Coast Line Railroad bridge, and a quarter of a mile north of Davenport, Polk County

Drainage area --22.8 sq mi

Records available --June 1960 to September 1962 Annual maximums, water years 1962-64 (discontinued)

Gage --Crest stage gage Datum of gage is 101.40 ft above mean sea level, datum of 1929 Prior to Oct 1, 1962, water-stage recorder at same site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (100 cfs), June 1960 to September 1964											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
July 7, 1960	0930	128	5 03	Aug 27, 1960	0930	180	5 56	Aug 30, 1961	1200	105	4 61
July 18, 1960	0600	175	5 80	Sept 12, 1960	2400	358	8 20				
July 20, 1960	1000	176	5 82	Sept 24, 1960	0600	132	5 33	Aug 7, 1962	0500	* 66	5 08
July 28, 1960	0150	136	5 17								
July 30, 1960	0530	204	6 22	Oct 1, 1960	0930	* 145	5 53	Feb 12, 1963	-	77	5 28
Aug 13, 1960	1400	155	5 48	Oct 10, 1960	0400	117	5 15	Sept 10, 1964	-	-	5 93

## Annual minimum discharge, June 1960 to September 1962

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1960	June 16, 1960	5 50	2 27	1962	May 21-23, 26-30	0 50	a 2 04
1961	Aug 11, 1961	80	1 93		June 2-7, 1962		

a Occurred June 4, 5, 1962

1960-64 Maximum discharge, 358 cfs Sept 12, 13, 1960 (gage height, 8.20 ft)

1960-62 Minimum discharge, 0.50 cfs May 21-23, 26-30, June 2-7, 1962, minimum gage height, 1.93 ft Aug 11, 1961

Remarks --Records poor prior to Oct 1, 1961, fair thereafter Records of chemical analyses for the water year 1961 are published in reports of the Geological Survey A low-flow measurement of 1.56 cfs was made May 4, 1965

## DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1										25	82	44
2										20	62	40
3									10	19	50	39
4										18	43	58
5										24	39	72
6										38	36	53
7										119	38	63
8									18	72	58	61
9										44	44	52
10										34	37	104
11										30	35	306
12										29	38	351
13									9.0	29	140	354
14										26	94	328
15									6.0	23	60	284
16									7.5	32	47	226
17									12	161	40	156
18									13	163	36	115
19									14	111	33	97
20									15	166	31	81
21									15	119	30	70
22									14	157	34	70
23									14	93	68	109
24									15	84	74	128
25									24	99	55	110
26									24	117	63	103
27									23	74	147	78
28									24	60	83	70
29									22	134	54	69
30									40	194	56	85
31									-----	128	48	-----
TOTAL									458.5	2,442	1,755	3,776
MEAN									15.3	78.8	56.6	126
MAX									40	194	147	354
MIN									6.0	18	30	39
CFSM									.67	3.46	2.48	5.52
IN.									.75	3.98	2.86	6.16

2-2667 Horse Creek at Davenport, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	139	44	15	15	15	13	11	4.6	4.3	23	6.4	47
2	100	35	15	15	14	13	10	4.9	3.8	13	12	36
3	66	29	15	15	16	13	9.9	4.9	3.2	11	9.9	32
4	56	26	14	14	20	13	9.4	4.8	3.0	10	6.6	28
5	51	24	14	14	17	12	8.9	4.6	2.5	8.6	4.4	24
6	52	23	14	14	16	12	8.2	4.2	2.2	7.7	3.0	23
7	62	22	14	14	32	12	8.9	3.8	2.0	6.8	2.5	22
8	78	21	14	13	54	12	8.6	3.8	1.8	6.2	1.2	20
9	109	21	14	17	34	12	8.2	4.6	1.9	6.2	1.0	20
10	112	20	14	19	30	12	8.2	16	2.2	6.2	1.0	17
11	85	20	14	17	26	11	7.7	14	2.2	6.4	.90	16
12	69	20	21	16	23	11	8.4	11	1.9	14	1.0	15
13	61	19	18	36	22	12	12	8.9	1.7	13	1.2	15
14	55	19	17	52	22	13	9.9	7.7	1.6	11	1.2	14
15	50	19	18	37	20	9.9	8.9	6.8	1.6	12	1.8	14
16	44	19	23	31	19	9.1	8.9	6.0	1.6	9.9	17	14
17	40	19	21	27	18	9.1	8.9	5.5	1.6	8.4	37	14
18	37	18	19	24	17	9.9	7.9	4.6	1.5	8.6	37	15
19	34	18	17	23	16	14	7.3	4.3	1.3	13	67	13
20	33	18	17	22	16	14	6.6	4.0	1.2	19	58	12
21	32	17	19	20	15	13	6.4	3.8	1.1	16	39	11
22	30	17	22	18	15	12	5.8	3.6	1.0	14	31	10
23	28	17	19	17	15	11	7.0	3.1	2.5	13	30	9.6
24	26	17	18	17	14	9.4	5.7	3.1	5.1	12	24	9.1
25	25	16	17	17	14	8.9	5.5	4.3	5.5	10	21	8.4
26	24	17	16	17	14	7.9	5.1	5.3	6.4	8.9	20	7.7
27	23	17	16	17	13	7.7	4.9	7.5	8.6	21	7.3	7.3
28	23	16	16	16	13	7.5	4.8	7.5	11	8.2	30	6.6
29	22	16	15	16	-----	7.7	4.4	7.0	9.9	7.5	49	6.2
30	22	16	15	15	-----	7.5	4.3	6.2	17	7.0	99	6.0
31	28	-----	16	15	-----	7.5	-----	5.1	-----	6.4	68	-----
TOTAL	1,616	621	517	620	560	337.1	231.7	185.9	110.1	325.6	702.1	492.9
MEAN	52.1	20.7	16.7	20.0	20.0	10.9	7.72	6.00	3.67	10.5	22.6	16.4
MAX	139	44	23	52	54	14	12	16	17	23	99	47
MIN	27	16	14	13	13	7.5	4.3	3.1	1.0	6.2	.90	6.0
CFSM	2.29	.91	.73	.88	.88	.48	.34	.26	.16	.46	.99	.70
IN	2.64	1.01	.84	1.01	.91	.55	.38	.30	.18	.53	1.15	.80

CAL YR 1960 TOTAL 6,319.40 MEAN 17.3 MAX 139 MIN .90 CFSM .76 IN 10.31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.9	3.5	3.5	6.6	4.5	2.2	5.4	.70	.60	8.0	8.4	31
2	5.8	3.3	3.3	7.7	4.4	2.1	6.4	.70	.60	7.2	7.4	23
3	5.6	3.2	3.1	7.2	4.3	2.0	6.9	.70	.50	6.6	8.5	17
4	5.9	3.1	3.1	6.6	4.2	1.9	6.9	.60	.60	6.0	17	15
5	5.8	3.2	3.1	6.4	4.2	1.8	5.8	.70	.50	5.4	15	14
6	5.6	3.6	3.1	6.5	4.3	1.8	5.5	.70	.50	5.0	22	12
7	5.5	4.6	3.1	7.7	4.2	1.7	5.8	.70	.60	4.6	58	11
8	5.4	4.5	3.1	7.3	4.2	1.6	7.2	.60	.60	4.5	37	10
9	5.2	4.3	3.0	6.8	4.2	1.7	6.9	.60	.60	4.5	28	9.9
10	5.1	4.0	3.0	6.5	5.2	1.7	6.1	.60	.60	4.3	24	9.9
11	5.2	3.9	3.0	6.6	5.0	1.7	5.6	.60	.80	4.0	26	9.0
12	5.8	3.8	3.0	7.3	4.8	1.7	5.1	.60	1.2	3.9	20	8.5
13	5.6	3.8	2.9	7.3	4.6	2.0	4.6	.60	1.9	3.6	16	8.1
14	5.8	3.6	2.9	7.2	4.4	2.1	3.9	.60	2.7	3.3	13	11
15	4.9	3.5	2.9	6.8	4.2	2.6	3.4	.60	19	3.1	13	16
16	4.2	3.3	2.8	6.6	4.0	6.8	2.9	.60	14	4.6	16	12
17	3.6	3.3	2.8	6.4	4.2	8.0	2.4	.60	12	5.2	13	11
18	3.6	3.2	2.8	6.2	3.8	7.2	2.1	.60	11	4.8	12	12
19	3.5	3.2	5.2	6.4	3.7	6.5	1.8	.60	8.2	4.5	15	12
20	3.3	3.1	6.6	6.2	3.5	5.9	1.5	.60	6.9	11	34	15
21	3.2	3.0	5.8	6.2	3.2	5.6	1.1	.50	7.8	13	28	30
22	3.1	2.9	5.4	6.0	3.0	5.6	.90	.50	26	10	20	23
23	3.1	3.2	5.1	5.8	2.9	7.4	.80	.60	31	8.1	17	18
24	3.1	4.5	4.9	5.5	2.8	8.2	.80	.60	18	6.5	15	16
25	3.1	4.5	4.6	5.4	2.6	7.7	.70	.60	14	5.2	14	14
26	3.1	4.3	4.4	5.4	2.5	8.0	.70	.60	14	4.5	12	12
27	3.1	4.2	4.5	5.2	2.4	7.3	.70	.50	12	3.9	11	11
28	3.0	3.9	4.6	5.1	2.3	6.5	.70	.50	10	3.6	11	10
29	3.3	3.8	4.4	5.0	-----	6.0	.70	.50	9.5	3.8	13	9.7
30	3.6	3.6	4.3	4.9	-----	5.6	.70	.50	8.9	12	11	9.5
31	3.6	-----	4.4	4.6	-----	5.6	-----	.60	-----	10	12	-----
TOTAL	136.8	109.9	118.7	195.4	107.6	136.5	103.30	18.70	234.50	184.7	567.3	420.6
MEAN	4.41	3.66	3.83	6.30	3.84	4.40	3.44	.60	7.82	5.96	18.3	14.0
MAX	5.9	4.6	6.6	7.7	5.2	8.2	7.2	.70	31	13	58	31
MIN	3.0	2.9	2.8	4.6	2.3	1.6	7.0	.50	.50	3.1	7.4	6.1
CFSM	.19	.16	.17	.28	.17	.19	.15	.03	.34	.26	.80	.61
IN	.22	.18	.19	.32	.18	.22	.17	.03	.38	.30	.93	.69

CAL YR 1961 TOTAL 3,930.80 MEAN 10.8 MAX 99 MIN .90 CFSM .27 IN 9.31

WAT YR 1962 TOTAL 2,334.00 MEAN 8.39 MAX 98 MIN .90 CFSM .28 IN 9.31



## 2-2670 Catfish Creek near Lake Wales, Fla

Location --Lat 27°57'40", long 81°29'48", in sec 14, T 29 S, R 28 E, on left bank a quarter of a mile downstream from Lake Pierce and 7 miles northeast of Lake Wales, Polk County

Drainage area --58.9 sq mi

Records available --October 1947 to September 1965

Gage --Digital water-stage recorder Datum of gage is 72.70 ft above mean sea level (Corps of Engineers bench mark) Prior to May 12, 1965, graphic water-stage recorder at same site and datum

Average discharge --18 years, 53.1 cfs (38,440 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 25, 1961	a 99	b 4.35	June 20-22, 1961	25	c 2.88
1962	Aug 27, 28, 1962	d 48	e 4.00	June 5, 1962	9.3	f 2.80
1963	Mar 3, 6, 1963	68	g 4.38	Many days	14	h 3.18
1964	Feb 8, 1964	78	b 4.69	June 23-28, 1964	12	i 3.16
1965	July 19-21, 1965	63	j 4.16	Many days	6.5	k 2.81

a Maximum instantaneous peak discharge, maximum instantaneous discharge during year, 222 cfs Oct 1, 1960, stage falling b Affected by wind c Occurred June 23, 1961 (affected by wind) d Maximum peak discharge, maximum discharge during year, 50 cfs Oct 1, 1961, occurred on recession following crest of Sept 6, 1961 e Occurred Aug 10, 1962 (affected by wind) f Occurred June 7, 1962 (affected by wind) g Occurred Mar 6, 1963 (affected by wind) h Occurred May 22, 1963 (affected by wind) i Occurred June 23, 1964 (affected by wind) j Estimated k Occurred May 28, 1965

1947-65 Maximum daily discharge, 235 cfs Sept 17, 18, 1960, maximum gage height, 6.02 ft Sept 15, 1960 (affected by wind), minimum daily discharge, 6.50 cfs May 28, 29, June 3-7, 1965, minimum gage height, 2.73 ft Apr 10, 1956 (affected by wind)

Remarks --Records good prior to Oct 1, 1962, and fair thereafter except those for periods of shifting control, which are poor

Revisions --WSP 1384 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	221	152	86	64	63	81	65	38	32	40	36	74
2	219	150	82	65	62	80	62	39	32	40	38	75
3	215	147	79	64	63	79	60	38	32	40	39	78
4	212	144	77	64	64	78	61	38	31	42	38	79
5	208	142	76	62	63	76	56	37	30	41	38	79
6	204	139	74	62	62	76	55	36	29	40	37	80
7	206	138	74	62	72	75	56	35	29	40	36	78
8	212	133	72	62	85	74	56	35	29	39	36	76
9	215	130	71	64	85	76	54	35	29	39	35	74
10	213	127	70	64	85	69	56	39	29	39	35	72
11	212	125	69	64	83	66	54	38	28	40	35	70
12	208	124	70	64	82	64	53	38	28	45	34	69
13	204	121	66	68	82	66	55	38	28	45	34	69
14	201	120	63	74	82	70	52	37	28	44	33	67
15	199	118	63	75	81	69	51	36	28	45	32	66
16	195	117	66	74	80	68	52	36	28	45	37	65
17	192	115	64	74	79	66	51	35	28	43	46	64
18	188	114	62	72	78	68	50	35	27	43	53	64
19	184	112	60	72	78	76	49	34	26	43	53	63
20	183	108	60	73	78	76	47	34	25	43	55	61
21	181	107	63	72	76	77	46	33	25	42	57	59
22	177	103	64	69	78	76	45	32	25	42	57	58
23	173	102	62	67	86	74	45	31	26	41	57	57
24	169	99	62	67	87	74	44	30	29	41	57	56
25	166	98	62	66	88	71	44	31	30	40	56	54
26	162	95	62	66	85	69	43	34	35	39	57	53
27	159	94	62	67	82	67	43	35	36	38	59	52
28	157	91	62	66	82	66	42	34	37	38	58	50
29	155	90	63	66	-----	66	41	34	39	37	63	50
30	154	88	63	65	-----	64	39	34	40	36	74	50
31	150	-----	64	64	-----	62	-----	33	-----	36	74	-----
TOTAL	5,894	3,243	2,093	2,078	2,171	2,219	1,527	1,092	898	1,266	1,449	1,962
MEAN	190	118	67.5	67.0	77.5	71.6	50.9	35.2	29.9	40.8	46.7	65.4
MAX	221	152	86	75	88	81	65	39	40	45	74	80
MIN	150	88	60	62	62	62	39	30	25	36	32	50
CFSM	3.23	2.01	1.15	1.14	1.32	1.22	.86	.60	.51	.69	.79	1.11
IN.	3.72	2.24	1.32	1.31	1.37	1.40	.96	.69	.57	.80	.91	1.24

CAL YR 1960: TOTAL 40,322 MEAN 110 MAX 235 MIN 52 CFSM 1.87 IN 25.46  
WAT YR 1961: TOTAL 20,192 MEAN 111.8 MAX 221 MIN 25 CFSM 1.22 IN 16.34

Note --Shifting-control method used Nov 20 to Jan 7

2-2670 Catfish Creek near Lake Wales, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	30	21	26	26	21	23	17	10	40	38	45
2	48	30	21	28	25	21	26	18	10	40	39	44
3	47	29	21	27	25	20	25	18	10	39	38	44
4	46	29	21	26	25	19	23	16	9.8	38	38	43
5	44	29	21	26	25	21	22	16	9.3	38	38	42
6	43	29	21	28	26	22	22	16	9.8	36	37	41
7	42	29	21	29	25	17	24	16	9.8	35	41	41
8	42	29	21	30	24	15	26	15	11	34	44	40
9	41	27	20	29	25	16	26	15	14	33	43	39
10	40	26	20	29	27	15	26	15	15	34	44	38
11	39	26	20	29	26	15	25	15	16	36	44	37
12	39	26	20	30	25	16	25	14	16	37	46	36
13	38	25	21	28	24	16	26	14	18	39	44	36
14	38	25	21	28	24	15	24	13	19	39	43	37
15	38	25	21	28	24	15	23	12	19	38	42	36
16	36	25	21	29	24	21	22	12	21	37	42	35
17	35	25	20	29	24	20	21	12	26	36	43	35
18	35	25	20	29	24	19	20	12	27	35	44	34
19	34	25	25	28	24	18	20	11	26	34	44	35
20	34	24	26	28	24	18	19	11	27	35	44	37
21	33	24	26	28	22	19	18	11	29	36	43	41
22	32	22	25	28	22	19	18	11	33	35	43	43
23	31	22	25	28	22	22	17	11	35	34	41	44
24	30	24	26	28	22	21	17	11	34	33	43	43
25	30	23	25	28	22	22	16	11	34	31	44	43
26	30	23	23	27	21	27	16	10	36	31	44	43
27	29	23	23	27	21	25	16	10	37	30	48	43
28	28	22	25	30	21	23	16	10	38	29	48	43
29	29	22	25	27	-----	22	16	9 8	38	30	47	41
30	30	21	23	26	-----	22	16	10	38	38	46	40
31	30	-----	23	26	-----	22	-----	11	-----	38	45	-----
TOTAL	1,141	764	692	807	669	604	634	403.8	675.7	1,098	1,328	1,199
MEAN	36.8	24.5	22.3	26.0	23.9	19.5	21.1	13.0	22.5	35.4	42.8	40.0
MAX	50	30	27	30	27	27	26	18	36	40	48	45
MIN	28	21	20	26	21	15	16	9.8	9.3	29	37	34
CFSM	.62	.43	.38	.47	.41	.33	.36	.22	.38	.60	.73	.68
IN.	.72	.48	.44	.55	.42	.38	.40	.25	.43	.69	.84	.76

CAL YR 1961 TOTAL 11,259 MEAN 47.3 MAX 98 MIN 20 CFSM .89 IN 10.90  
WAT YR 1962 TOTAL 11,075.5 MEAN 27.2 MAX 90 MIN 9.3 CFSM .47 IN 6.36

Note --Shifting-control method used June 8 to Sept 30

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	28	34	30	31	61	43	22	26	30	17	20
2	40	28	34	29	31	65	41	20	24	29	18	19
3	40	27	33	29	32	68	40	22	24	28	18	19
4	39	27	33	28	36	67	40	24	24	27	17	18
5	40	28	34	28	37	67	40	23	22	26	16	18
6	42	26	35	28	37	68	38	22	24	24	16	18
7	41	26	32	31	36	67	39	22	28	24	16	17
8	40	28	31	30	36	65	36	21	28	24	16	17
9	40	38	32	29	36	64	36	21	28	24	16	16
10	39	39	32	28	35	66	35	21	32	24	15	16
11	38	38	30	28	34	64	34	21	32	23	15	16
12	37	38	30	28	31	64	34	20	32	22	15	15
13	36	39	30	29	33	64	34	18	31	23	16	15
14	36	39	29	30	31	64	32	18	32	24	18	14
15	34	38	28	31	31	62	30	18	30	23	17	14
16	34	38	28	31	31	61	28	17	30	22	17	14
17	34	38	29	30	34	60	26	17	30	23	16	14
18	34	38	29	30	33	59	26	17	29	22	17	18
19	33	38	29	30	35	59	26	16	28	21	17	28
20	31	38	29	30	37	58	26	15	27	20	18	28
21	31	38	29	34	35	57	26	14	26	20	22	30
22	31	39	29	32	35	53	25	14	26	20	23	32
23	32	38	30	31	34	51	25	14	25	22	24	32
24	32	36	30	32	34	50	24	14	25	21	24	34
25	30	36	30	31	33	48	23	15	24	20	26	34
26	30	36	30	32	39	46	24	14	25	19	25	34
27	28	36	30	32	63	46	24	15	27	19	24	35
28	36	36	30	32	61	47	22	17	30	18	23	34
29	27	34	30	30	-----	46	20	20	30	18	22	34
30	26	34	31	30	-----	45	21	25	30	17	22	34
31	28	-----	30	31	-----	44	-----	26	-----	17	21	-----
TOTAL	1,071	1,040	950	934	1,311	1,806	918	583	829	694	587	687
MEAN	34.5	34.7	30.6	30.1	46.8	59.3	30.6	18.8	27.6	22.4	18.9	22.9
MAX	42	39	35	34	63	68	43	26	32	30	26	35
MIN	26	28	28	31	44	20	14	12	17	15	14	14
CFSM	.59	.59	.52	.51	.79	.99	.52	.32	.47	.38	.32	.39
IN.	.68	.66	.60	.59	.83	1.14	.58	.37	.52	.44	.37	.43

CAL YR 1962 TOTAL 10,539.5 MEAN 28.9 MAX 48 MIN 9.3 CFSM .49 IN 6.65  
WAT YR 1963 TOTAL 11,410 MEAN 31.3 MAX 68 MIN 14 CFSM .53 IN 7.20

## 2-2670 Catfish Creek near Lake Wales, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	34	19	47	49	64	68	50	35	23	26	28	38
2	33	20	47	47	63	68	48	43	22	31	27	41
3	33	18	47	46	63	67	47	48	22	34	26	43
4	32	17	46	46	67	67	47	46	22	32	26	43
5	32	19	46	46	71	67	47	44	21	32	26	42
6	31	24	45	45	75	65	46	43	20	32	31	42
7	30	24	45	49	74	64	45	42	22	30	32	41
8	30	24	44	51	78	63	45	41	22	30	31	41
9	30	24	44	52	75	62	45	41	21	29	31	43
10	28	43	43	54	74	62	43	40	21	28	30	45
11	28	52	43	52	74	61	41	38	21	28	31	48
12	28	52	43	61	73	60	40	38	20	28	32	48
13	27	54	42	65	72	58	38	38	19	26	32	53
14	27	52	43	63	72	56	37	37	18	25	34	52
15	26	51	43	61	72	56	38	36	18	23	33	55
16	26	50	42	60	73	55	36	35	18	22	32	57
17	26	50	43	62	71	56	34	34	18	22	33	56
18	26	44	43	64	71	56	33	34	16	22	36	56
19	26	49	43	62	76	52	32	33	16	22	34	55
20	26	49	42	63	74	52	30	32	15	22	33	54
21	25	50	42	64	73	53	30	31	14	21	34	54
22	24	51	41	64	73	51	30	30	13	21	34	53
23	25	50	42	64	73	48	29	28	12	24	34	52
24	24	51	48	64	71	47	28	28	12	24	34	51
25	23	51	47	64	70	46	28	27	12	27	33	50
26	23	51	46	66	69	46	28	26	12	29	33	49
27	22	51	45	66	69	47	26	26	14	29	37	48
28	22	50	45	66	71	50	30	25	16	29	39	47
29	22	54	45	65	69	55	31	24	18	29	38	48
30	20	49	45	64	-----	53	30	24	20	29	38	47
31	19	-----	47	63	-----	51	-----	23	-----	28	38	-----
TOTAL MEAN	827.26	1,249.41	1,375.44	1,805.58	2,070.71	1,762.56	1,117.37	1,070.36	538.17	834.26	1,008.32	1,452.48
MAX	34	54	48	66	78	68	50	48	23	34	39	57
MIN	19	17	41	45	63	46	28	23	12	21	26	38
CFSM	.45	.71	.75	.99	1.21	.97	.63	.59	.30	.46	.55	.82
IN.	.52	.79	.87	1.14	1.31	1.11	.71	.68	.34	.53	.64	.92
CAL YR 1963	TOTAL 11,800	MEAN 32.3	MAX 68	MIN 14	CFSM .55	IN 7.45						
WAT YR 1964	TOTAL 15,107	MEAN 41.3	MAX 78	MIN 12	CFSM .70	IN 9.54						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	47	35	28	32	28	37	39	22	7.4	36	56	48
2	46	34	27	32	29	38	37	21	6.8	36	57	48
3	46	34	27	32	31	41	36	21	6.5	37	58	46
4	46	34	27	32	30	44	36	20	6.5	36	60	45
5	45	34	33	32	30	43	34	19	6.5	36	61	44
6	45	34	37	31	29	43	34	18	6.5	41	60	43
7	44	33	37	31	33	41	34	18	6.5	48	59	41
8	43	33	36	30	34	42	33	18	9.8	49	58	39
9	43	33	36	40	34	39	32	17	11	49	40	40
10	43	32	34	30	33	39	31	16	13	48	56	40
11	42	32	34	30	33	38	30	16	21	50	55	40
12	43	31	35	30	33	38	29	16	26	53	55	39
13	44	31	35	30	33	38	29	14	28	55	54	38
14	44	30	36	30	33	40	27	13	29	57	53	37
15	45	30	36	33	32	40	25	12	30	59	54	37
16	45	31	34	35	31	40	25	12	30	60	54	36
17	44	30	33	34	31	39	24	11	31	61	54	37
18	42	30	34	32	31	40	23	11	36	62	56	37
19	41	29	33	31	31	39	22	10	37	63	56	36
20	41	29	33	30	30	38	22	9.8	36	63	57	36
21	39	29	33	30	29	37	21	9.2	36	63	56	35
22	38	29	33	30	30	36	22	8.6	36	62	55	34
23	38	28	33	29	34	35	23	8.3	42	62	54	34
24	37	28	32	30	39	36	23	8.0	42	61	53	33
25	37	28	32	31	46	36	24	7.7	41	61	53	33
26	36	28	32	30	40	35	25	7.1	40	60	52	33
27	36	28	33	31	38	36	25	6.8	40	58	50	33
28	36	28	33	30	38	36	25	6.5	39	57	50	35
29	36	29	33	29	-----	40	24	6.5	38	56	52	38
30	36	30	33	28	-----	40	22	7.1	37	56	50	42
31	36	-----	33	30	-----	39	-----	8.0	-----	56	50	-----
TOTAL MEAN	1,284.41	924.30	1,025.33	955.30	923.33	1,203.38	836.27	398.62	775.52	1,651.53	1,705.55	1,157.38
MAX	47	35	37	35	46	44	39	22	42	63	61	48
MIN	36	28	27	28	28	35	21	6.5	6.5	36	50	33
CFSM	.70	.52	.56	.52	.56	.66	.47	.22	.44	.90	.93	.66
IN.	.81	.58	.65	.60	.58	.76	.53	.25	.49	1.04	1.08	.73
CAL YR 1964	TOTAL 14,889	MEAN 40.7	MAX 78	MIN 12	CFSM .69	IN 9.40						
WAT YR 1965	TOTAL 12,837.1	MEAN 35.2	MAX 63	MIN 12	CFSM .60	IN 8.11						

2-2675 Kissimmee River near Lake Wales, Fla  
(Formerly published as Hatchineha-Kissimmee Canal near Lake Wales)

Location --Lat 28°00'00", long 81°22'50", in sec 36, T 28 S, R 29 E, Osceola County, on south-east shore of Lake Hatchineha near head of upper reach of Kissimmee River, 3½ miles upstream from Lake Kissimmee and 14 miles northeast of Lake Wales, Polk County

Drainage area --Indeterminate Total drainage area of Kissimmee River above site of staff gage at Camp Mack and Short (Cypress-Kissimmee) Canal above station is 1,185 sq mi

Records available --January 1942 to September 1965

Gage --Water-stage recorder Since June 11, 1965, digital deflection-meter recorder 1.9 miles downstream Datum of gage is 47.23 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Oct 1, 1949, water-stage recorder on northwest shore of Lake Hatchineha at same datum Oct 1, 1949, to Sept 30, 1950, staff gage at Camp Mack 1.6 miles downstream at datum 0.48 ft lower Sept 11, 1953, to June 10, 1965, auxiliary water-stage recorder on northwest shore of Lake Kissimmee

Average discharge --23 years, 807 cfs (584,200 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 1, 1960	4,860	a 9 11	Aug 14, 15, 1961	130	b 1 18
1962	Sept 27, 1962	260	c 2 28	May 29, 1962	2 2	d - 17
1963	Mar 13, 14, 1963	688	e 3 90	May 21, 23, 1963	70	f 75
1964	Feb 18, 1964	2,620	g 5 90			h 2 06
1965	-	-	i 5 75	Sept 8, 1965	-1,060	j 1 90

Note --Negative figures indicate reverse flow  
a Occurred Oct 1, 2, 1960 b Occurred Aug 16, 1961 (affected by wind) c Affected by wind  
d Occurred May 31, 1962 (affected by wind) e Occurred Mar 6, 1963 (affected by wind) f Occurred  
May 22, 1963 (affected by wind) g Occurred Sept 21, 1964 h Occurred Nov 4, 1963 i Maximum  
daily gage height, occurred Oct 1, 1964 j Occurred June 6, 7, 1965

1942-65 Maximum daily discharge, 4,860 cfs Oct 1, 1960, maximum gage height, 9.74 ft  
Oct 9, 1953 (affected by wind), maximum daily reverse flow, 1,060 cfs Sept 8, 1965, minimum  
gage height, -0.17 ft May 31, 1962 (affected by wind)

Remarks --Records good except those for periods of shifting control, which are fair, those for the 1955 water year and those for period of indefinite stage-discharge relation, which are poor  
Discharge measurements are made about 1½ miles downstream near staff gage at Camp Mack, except during low water in 1962 when they were made about 2½ miles downstream near Lake Kissimmee  
Records do not include diversions above Lake Hatchineha which consist of overflow from Cypress Lake and Cypress-Hatchineha Canal and natural drainage from marshland south of Cypress Lake  
Diversions are confined at high stages in secs 34, 35, 36, T 28 S, R 30 E, at Short (Cypress-Kissimmee) Canal, 1.1 miles upstream from Lake Kissimmee and 4.6 miles downstream from Cypress Lake  
Records of elevation for auxiliary gage on Lake Kissimmee (station 2-2689) are published in reports of the Geological Survey entitled "Water Resources Data for Florida, Part 1 Surface Water Records, Volume 2 Lakes" Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	SEPT.
1	4,860	3,560	2,140	1,220	948	960	671	325	251	189	260
2	4,860	3,560	2,000	1,200	929	950	607	368	249	187	260
3	4,810	3,370	1,880	1,220	929	927	582	357	244	191	262
4	4,770	3,420	1,780	1,170	940	910	621	338	239	205	262
5	4,640	3,240	1,770	1,110	912	884	524	328	235	200	262
6	4,590	3,200	1,760	1,110	863	847	517	323	229	196	262
7	4,270	3,200	1,740	1,080	977	876	527	320	224	194	258
8	4,330	2,950	1,730	1,100	1,220	889	494	314	220	194	264
9	4,620	2,910	1,700	1,110	1,190	932	482	329	216	191	272
10	4,520	2,870	1,670	1,080	1,160	802	510	353	218	193	276
11	4,510	2,820	1,620	1,060	1,120	758	468	335	216	196	282
12	4,470	2,840	1,770	1,060	1,090	723	461	328	220	192	286
13	4,440	2,720	1,610	1,120	1,070	770	514	325	214	193	293
14	4,400	2,670	1,500	1,250	1,050	797	458	319	211	194	293
15	4,490	2,630	1,490	1,210	1,020	766	436	315	207	191	299
16	4,510	2,590	1,680	1,210	1,010	751	471	317	205	185	295
17	4,500	2,550	1,510	1,180	983	707	459	302	204	180	295
18	4,160	2,540	1,480	1,130	974	703	447	295	196	184	299
19	4,080	2,560	1,470	1,100	984	755	428	289	187	184	295
20	4,030	2,470	1,400	1,150	945	795	405	287	178	184	291
21	3,960	2,410	1,540	1,100	956	817	402	284	173	180	289
22	3,980	2,370	1,460	1,040	936	803	400	275	180	182	286
23	3,820	2,330	1,370	1,020	986	771	390	267	184	184	286
24	3,750	2,290	1,330	1,000	1,020	774	387	255	187	184	282
25	3,690	2,270	1,330	1,010	1,070	714	378	255	186	180	274
26	3,640	2,190	1,320	991	1,030	689	384	274	186	177	270
27	3,590	2,120	1,300	1,050	978	661	383	279	189	171	266
28	3,620	2,080	1,280	969	969	660	366	267	189	168	262
29	3,590	2,070	1,270	962	-----	662	348	265	193	162	256
30	3,420	2,130	1,260	986	-----	632	329	261	191	159	252
31	3,410	-----	1,210	957	-----	586	-----	255	-----	156	258
TOTAL	130,310	80,710	48,370	33,985	28,259	24,321	13,849	9,404	6,221	5,726	5,593
MEAN	4,204	2,690	1,560	1,096	1,009	785	462	303	207	185	276
MAX	4,860	3,560	2,140	1,250	1,200	960	671	368	251	205	299
MIN	3,410	2,070	1,210	957	962	586	329	255	173	156	252
AC-FT	258,500	160,100	95,940	67,410	56,050	48,240	27,470	18,650	12,340	11,360	16,440
CAL YR 1960	TOTAL 829,412	MEAN 2,266	MAX 4,860	MIN 911	AC-FT 1,645,000						
WAT YR 1961	TOTAL 395,037	MEAN 1,082	MAX 4,860	MIN 130	AC-FT 783,500						

Note --Shifting-control method used Mar 24 to June 7, Aug 17 to Sept 30

## 2-2675 Kissimmee River near Lake Wales, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	248	108	48	47	51	47	59	33	3.7	75	49	224
2	241	102	48	52	49	48	68	35	4.2	77	54	222
3	237	99	47	45	49	49	66	31	3.3	76	57	220
4	229	99	46	45	48	45	60	26	2.9	77	58	216
5	222	98	45	44	49	54	55	26	4.2	76	59	218
6	216	95	47	45	52	69	57	30	6.7	74	59	224
7	209	96	46	52	49	40	59	27	6.7	71	64	220
8	205	96	45	57	48	32	67	25	4.7	70	70	214
9	202	89	39	51	49	32	66	25	4.2	64	70	209
10	193	84	40	53	57	31	64	24	5.2	66	75	207
11	191	80	40	57	55	31	59	21	5.2	66	88	207
12	186	78	39	59	52	31	62	21	5.7	63	105	207
13	178	73	42	53	51	34	68	18	8.2	62	108	205
14	178	75	39	51	52	31	60	16	11	59	111	205
15	175	75	39	53	51	31	57	14	11	59	117	205
16	162	73	37	54	51	46	55	15	13	58	129	205
17	157	73	36	55	51	45	49	14	14	55	161	204
18	156	72	37	57	48	42	49	13	14	52	204	200
19	150	68	45	53	51	38	47	11	13	50	219	200
20	147	68	51	54	51	38	44	11	14	52	230	204
21	145	66	47	53	48	40	39	11	17	50	231	218
22	132	57	45	52	48	43	36	11	26	49	229	231
23	125	55	45	54	46	51	35	8.2	32	52	229	248
24	122	64	54	54	48	47	33	7.2	35	48	228	252
25	119	58	44	55	48	47	31	5.7	40	47	224	254
26	119	58	39	53	48	71	32	4.7	43	46	226	254
27	114	57	38	52	46	63	32	4.2	44	43	228	260
28	111	57	46	67	46	54	29	2.9	47	40	228	252
29	110	57	45	55	-----	51	29	2.2	54	38	224	245
30	111	52	38	52	-----	53	31	2.9	64	42	218	239
31	112	-----	36	51	-----	53	-----	4.2	-----	47	214	-----
TOTAL	5,202	2,282	1,331	1,630	1,392	1,387	1,498	500.2	556.9	1,804	4,566	6,569
MEAN	168	76.1	42.9	52.6	49.7	44.7	49.9	16.1	18.6	58.2	147	222
MAX	248	108	54	67	57	71	68	35	64	77	231	260
MIN	110	52	35	44	46	31	29	2.2	2.9	38	49	200
AC-FT	10,320	4,530	2,640	3,230	2,760	2,750	2,970	992	1,100	3,580	9,060	13,230

CAL YR 1961 TOTAL 144,462 MEAN 396 MAX 1,250 MIN 35 AC-FT 286,500  
WAT YR 1962 TOTAL 28,818.1 MEAN 79.0 MAX 260 MIN 2.2 AC-FT 57,160

Note --Shifting-control method used Jan 21 to Mar 31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	238	110	109	81	99	538	430	141	147	105	298	285
2	236	106	108	79	96	568	418	129	138	113	300	279
3	230	103	105	79	101	607	408	135	135	127	298	270
4	226	103	103	78	120	628	397	146	129	126	298	260
5	226	103	103	76	121	642	388	143	129	126	302	256
6	220	98	115	76	121	659	372	135	157	127	306	248
7	213	92	98	87	121	659	367	126	140	132	302	242
8	207	95	95	86	122	656	345	118	128	145	300	236
9	203	122	102	77	124	652	332	118	130	154	302	234
10	200	126	101	76	122	676	326	122	135	149	295	222
11	191	124	90	77	121	673	312	122	138	149	287	216
12	186	122	94	77	203	684	300	111	135	147	283	209
13	180	130	94	77	252	688	293	90	128	158	293	202
14	174	130	88	82	270	688	279	96	129	186	287	205
15	172	124	83	87	291	676	262	99	131	186	283	218
16	169	122	82	87	312	662	239	94	129	187	283	218
17	169	121	83	85	337	652	225	96	132	193	276	220
18	165	122	83	85	345	645	217	90	134	195	279	230
19	155	122	82	86	376	628	211	77	130	199	279	272
20	147	121	82	85	406	624	207	71	120	212	293	291
21	141	116	81	101	411	614	197	70	120	224	300	310
22	138	132	81	91	420	577	190	72	115	230	308	339
23	142	121	82	91	422	593	178	70	113	236	317	363
24	138	118	81	99	422	535	167	76	114	248	321	379
25	132	116	81	91	430	520	155	76	107	243	321	397
26	127	122	83	94	463	512	158	76	100	256	315	413
27	121	118	86	99	510	502	147	85	105	265	317	418
28	115	115	85	99	523	494	136	88	111	276	316	420
29	112	110	83	94	-----	481	126	103	116	285	310	422
30	110	109	88	95	-----	463	140	134	109	289	304	427
31	114	-----	83	98	-----	446	-----	135	-----	298	295	-----
TOTAL	5,297	3,473	2,814	2,675	7,661	18,602	7,922	3,244	3,784	5,966	9,271	8,701
MEAN	171	116	90.8	86.3	276	600	268	105	124	192	298	280
MAX	238	132	115	101	523	688	430	146	157	298	321	427
MIN	110	92	81	76	96	446	126	70	100	105	276	202
AC-FT	10,510	6,890	5,580	5,310	15,200	36,900	15,710	6,430	7,510	11,830	18,390	17,260

CAL YR 1962 TOTAL 31,587.1 MEAN 86.5 MAX 260 MIN 2.2 AC-FT 62,650  
WAT YR 1963 TOTAL 79,410 MEAN 218 MAX 688 MIN 70 AC-FT 157,500

Note --Shifting-control method used Mar 13 to June 16

2-2675 Kissimmee River near Lake Wales, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	427	334	728	524	2,080	2,100						
2	425	341	708	508	2,060	2,080						
3	427	321	692	512	2,070	2,060						
4	425	312	673	520	2,150	2,040						
5	425	323	662	528	2,250	2,020						
6	427	343	644	536	2,370	2,000						
7	430	343	624	584	2,420	1,980						
8	442	352	604	636	2,520	1,960						
9	446	323	600	680	2,510	1,930						
10	451	420	568	785	2,540	1,900						
11	456	556	548	860	2,550	1,880						
12	458	648	536	1,070	2,540	1,860						
13	458	712	524	1,320	2,550	1,840						
14	463	748	520	1,460	2,560	1,820						
15	461	776	516	1,600	2,560	1,800						
16	463	792	504	1,710	2,590	1,780	1,200	800	500	350	500	1,700
17	466	804	496	1,810	2,570	1,760						
18	466	812	500	1,880	2,620	1,740						
19	461	812	480	1,910	2,600	1,720						
20	454	812	464	1,980	2,550	1,700						
21	444	812	460	2,050	2,500	1,680						
22	439	804	448	2,060	2,450	1,660						
23	432	796	454	2,060	2,400	1,640						
24	418	792	492	2,070	2,350	1,620						
25	399	800	472	2,080	2,280	1,600						
26	386	808	464	2,110	2,220	1,580						
27	379	808	472	2,110	2,160	1,560						
28	370	792	472	2,160	2,130	1,540						
29	363	804	480	2,140	2,100	1,520						
30	350	752	484	2,100	-----	1,500						
31	341	-----	500	2,080	-----	1,480	-----					
TOTAL	13,252	18,832	16,789	44,433	69,250	55,350	36,000	24,800	15,000	10,850	15,500	51,000
MEAN	427	628	542	1,433	2,388	1,765	1,200	800	500	350	500	1,700
MAX	466	812	728	2,160	2,620	2,100	-	-	-	-	-	-
MIN	341	312	448	508	2,060	1,480	-	-	-	-	-	-
AC-FT	26,280	37,350	33,300	88,130	137,400	109,800	71,400	49,190	29,750	21,570	30,740	101,200
CAL YR 1963-	TOTAL 116,699			MEAN 320	MAX 812	MIN 70	AC-FT 231,500					
WAT YR 1964	TOTAL 371,056			MEAN 1,014	MAX 2,620	MIN -	AC-FT 736,000					

Note --Stage-discharge relation indefinite Feb 19 to Sept 30

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1										540	729	395
2										690	732	690
3										240	1,140	770
4										370	947	702
5										690	979	764
6										1,100	1,060	748
7										700	1,080	1,610
8										830	901	-1,060
9										710	1,070	672
10									150	710	1,140	718
11										600	1,060	390
12										500	1,110	356
13										400	1,280	371
14										300	1,200	226
15										281	1,090	193
16	700	200	200	200	500	600	800	300		562	1,010	100
17										626	646	44
18										393	580	28
19										680	982	123
20										370	1,130	162
21										370	1,210	515
22										540	1,350	681
23										1,300	1,130	497
24										930	1,320	911
25										370	1,460	431
26										810	1,610	580
27										820	1,180	495
28										370	1,290	526
29										120	927	526
30										120	810	641
31										-----	907	460
TOTAL	21,700	6,000	6,200	6,200	14,000	18,600	24,000	9,300	10,030	25,548	25,345	9,204
MEAN	700	200	200	200	500	600	800	300	334	824	818	307
MAX	-	-	-	-	-	-	-	-	1,300	1,610	1,280	1,610
MIN	-	-	-	-	-	-	-	-	-	240	431	-1,060
AC-FT	43,040	11,900	12,300	12,300	27,770	36,890	47,600	18,450	19,890	50,670	50,270	18,260
CAL YR 1964	TOTAL 356,083			MEAN 973	MAX 2,620	MIN -	AC-FT 706,300					
WAT YR 1965	TOTAL 176,127			MEAN 483	MAX -	MIN -1,060	AC-FT 349,300					

Note --Discharge estimated Oct 1 to July 14 Discharge computed from continuous velocity record obtained from recording deflection meter July 15 to Sept 30

2-2690 Kissimmee River below Lake Kissimmee, Fla

Location --Lat 27°46'13" long 81°10'45", in sec 24, T 31 S , R 31 E on right bank 3.3 miles downstream from Lake Kissimmee and bridge on State Highway 60 and 22 miles east of Frostproof, Polk County

Drainage area --1,607 sq mi (revised) at State Highway 60 (includes areas drained by Lake Weohyakapka and Lake Marian)

Records available --October 1933 to September 1965

Gage --Water-stage recorder Datum of gage is 43.48 ft above mean sea level, datum of 1929 (levels by Corps of Engineers) Prior to Mar 21, 1934, staff gage at bridge 3.3 miles upstream at datum 44.73 ft lower Mar 21, 1934, to Sept 30, 1950, water-stage recorder at present site at datum 45.00 ft lower than present datum Since Mar 21, 1934, staff gage at bridge 3.3 miles upstream used as supplementary gage Since Aug 17, 1962, auxiliary water-stage recorder 1.9 miles downstream

Average discharge --32 years, 1,180 cfs (854,300 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following Table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 11, 1960	a 6,870	11.81	Aug 15, 1961	b 400	c 3.37
1962	Sept 19, 1962	d 232	e 4.30	Many days	f 0	g 3.34
1963	Mar 21, 1963	h 600	5.34	Feb 28, 1963	b 72	1.246
1964	Feb 29, 1964	h 2,970	j 9.09	Aug 25, 1964	166	k 3.86
1965	Oct 7, 1964	2,200	9.00	May 25, 1965	110	1.68

a Maximum observed b Minimum daily c Occurred Aug 1, 1961 (affected by wind) d Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 480 cfs Oct 1, 1961, occurred on recession following crest of Sept 18, 1961 e Occurred Oct 1, 1961 (affected by wind) f Maximum reverse flow measured, 336 cfs Sept 25, 1962, minimum daily discharge prior to June, 2.1 cfs May 29, 1962 g Occurred May 29, 30, 1962 h Maximum daily i Occurred Feb 12, 1965 j Occurred Sept 22, 1964 k Occurred July 17, 1964

1956-62 Minimum daily discharge during period November 1956 to May 1962, 2.10 cfs May 29, 1962

1933-65 Maximum discharge, 8,820 cfs Oct 5 or 6, 1948, maximum gage height, 13.16 ft Oct 9, 1953 (from floodmark), maximum reverse flow measured, 1,190 cfs Oct 17, 1956, no flow Oct 21, 1956, June 28, July 12, 14, 24, Aug 14, 20, Sept 21, 26, 1962, minimum gage height, 0.34 ft May 29, 30, 1962

Remarks --Records fair Records of chemical analyses for the water years 1961-65 and of water temperatures for the water years 1964-65 are published in reports of the Geological Survey

Revisions (water years) --WSP 1504 1934, 1941

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

CAY	OCT.	NOV.	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,730	5,260	3,000	1,740	1,360	1,180	1,040	740	572	496	437	505
2	6,710	5,260	2,960	1,740	1,360	1,190	1,040	769	566	486	440	508
3	6,710	5,140	2,770	1,740	1,340	1,170	1,000	766	561	500	434	513
4	6,660	5,010	2,630	1,750	1,380	1,140	1,050	755	552	545	428	514
5	6,630	4,920	2,540	1,690	1,360	1,120	975	735	543	540	422	511
6	6,580	4,840	2,490	1,660	1,290	1,120	934	722	536	535	419	502
7	6,700	4,880	2,440	1,640	1,290	1,120	990	707	526	526	418	496
8	6,750	4,640	2,400	1,630	1,390	1,130	967	698	521	524	413	492
9	6,760	4,480	2,360	1,650	1,390	1,230	916	691	526	526	413	506
10	6,800	4,420	2,320	1,620	1,380	1,180	1,010	725	528	533	414	511
11	6,800	4,340	2,250	1,590	1,340	1,080	990	710	514	530	413	521
12	6,800	4,290	2,330	1,580	1,320	1,050	912	705	511	524	412	524
13	6,710	4,200	2,370	1,590	1,320	1,060	1,010	707	503	523	404	528
14	6,650	4,120	2,230	1,620	1,300	1,100	964	703	498	513	401	521
15	6,560	4,020	2,070	1,600	1,300	1,090	909	691	500	506	400	523
16	6,530	3,920	2,210	1,600	1,290	1,070	952	688	503	497	413	519
17	6,490	3,840	2,140	1,600	1,270	1,040	964	679	505	490	420	530
18	6,360	3,750	2,090	1,570	1,240	1,030	934	665	506	486	430	545
19	6,220	3,720	2,060	1,540	1,250	1,090	920	658	491	485	406	533
20	6,170	3,620	2,000	1,570	1,240	1,090	898	651	467	482	410	519
21	6,150	3,510	1,990	1,530	1,230	1,100	881	645	446	465	408	511
22	6,090	3,420	2,060	1,530	1,210	1,110	858	639	461	479	413	513
23	5,960	3,350	1,980	1,480	1,200	1,100	845	625	472	480	424	513
24	5,820	3,300	1,930	1,460	1,210	1,110	832	611	482	474	424	508
25	5,720	3,240	1,900	1,460	1,220	1,090	823	595	480	468	430	503
26	5,610	3,160	1,870	1,400	1,260	1,050	816	593	486	464	434	497
27	5,540	3,060	1,830	1,430	1,200	1,020	823	615	480	461	473	494
28	5,460	2,980	1,810	1,440	1,180	1,010	823	607	482	454	494	494
29	5,400	2,910	1,780	1,440	-----	1,020	804	607	486	449	472	491
30	5,300	2,910	1,770	1,460	-----	1,010	775	593	488	446	484	491
31	5,200	-----	1,750	1,400	-----	971	-----	585	-----	443	496	-----
TOTAL	194,570	120,510	68,330	48,730	36,120	33,871	27,655	20,880	15,192	15,348	13,299	15,336
MEAN	6,276	4,017	2,204	1,572	1,290	1,093	922	674	506	495	429	511
MAX	6,800	5,260	3,000	1,750	1,390	1,230	1,050	769	572	545	496	545
MIN	5,200	2,910	1,750	1,400	1,180	971	775	585	446	443	400	491
CFSM	3.91	2.50	1.37	.98	.80	.68	.57	.42	.32	.31	.27	.32
IN.	4.50	2.79	1.58	1.13	.84	.78	.64	.48	.35	.36	.31	.35
CAL YR 1960	TOTAL 1,223,300	MEAN 3,342	MAX 6,830	MIN 1,750	CFSM 2.08	IN 28.31						
WAT YR 1961	TOTAL 609,841	MEAN 1,671	MAX 6,800	MIN 400	CFSM 1.04	IN 14.11						

## 2-2690 Kissimmee River below Lake Kissimmee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	480	349	245	164	129	92	55	34	5.0	62	43	123
2	474	333	245	197	130	101	93	40	5.4	59	51	109
3	464	329	245	169	132	122	93	39	4.2	56	50	62
4	464	339	238	157	124	109	78	33	3.9	54	51	88
5	464	344	233	143	118	124	55	30	4.2	54	52	120
6	449	331	230	120	126	170	53	42	9.2	47	54	156
7	446	337	228	159	138	118	61	33	11	45	55	178
8	446	351	238	171	126	80	68	27	12	44	56	159
9	444	358	201	168	116	71	72	27	8.0	42	58	139
10	437	321	198	170	149	71	65	30	9.2	40	58	155
11	435	305	197	207	165	59	48	28	9.2	40	66	180
12	426	304	191	214	127	52	56	23	11	0	69	201
13	421	293	202	180	117	78	77	19	11	-100	69	200
14	419	289	205	154	117	83	90	15	12	0	0	202
15	458	294	202	154	116	58	64	16	9.2	20	-130	180
16	426	293	197	160	108	95	80	21	17	40	-114	198
17	409	296	184	169	114	93	63	20	21	50	-100	218
18	421	296	177	156	98	83	59	21	24	62	-50	222
19	417	288	193	153	97	72	63	15	27	55	-20	232
20	405	297	218	156	109	56	56	11	23	-50	0	226
21	409	301	216	151	92	46	51	9.2	28	-100	9.0	0
22	383	258	195	136	81	71	44	12	40	-120	55	-100
23	373	236	182	145	80	93	43	9.2	52	-50	62	-200
24	370	289	222	142	91	74	38	6.6	46	0	92	-300
25	361	277	220	147	97	59	33	5.4	38	20	96	-336
26	371	272	182	118	88	92	37	3.3	30	40	107	0
27	363	263	166	119	85	98	43	3.6	-100	50	114	58
28	349	263	193	160	85	68	30	3.3	0	46	105	123
29	336	275	201	177	-----	50	30	2.1	30	41	90	151
30	351	274	178	147	-----	58	33	2.7	50	46	109	216
31	356	-----	160	132	-----	48	-----	5.0	-----	44	116	-----
TOTAL	12,827	9,055	6,382	4,895	3,155	2,544	1,731	586.4	450.5	637	1,273.0	2,960
MEAN	414	302	206	158	113	82.1	57.7	18.9	15.0	20.5	41.1	98.7
MAX	480	358	245	214	165	170	93	42	52	62	116	232
MIN	336	236	160	118	80	46	30	2.1	-100	-120	-130	-336
CFSM	2.6	1.9	1.3	1.0	0.7	0.5	0.4	0.1	0.09	0.1	0.3	0.6
IN.	.30	.21	.15	.11	.07	.06	.04	.01	.01	.01	.03	.07
CAL YR 1961	TOTAL	254,699		MEAN 698		MAX 1,750	MIN - 160	CFSM .43	IN 5.89			
WAT YR 1962	TOTAL	46,495		MEAN 127		MAX 480	MIN - 336	CFSM .08	IN 1.08			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	267	324	301	242	195	102	550	438	436	302	452	429
2	291	308	303	230	185	244	541	436	441	440	448	427
3	336	294	296	235	185	326	538	438	446	508	445	429
4	355	306	291	235	244	405	538	460	436	515	448	426
5	355	300	282	217	224	442	534	454	427	510	440	418
6	292	301	328	200	202	488	524	434	432	508	441	422
7	246	267	286	233	200	520	543	427	444	508	445	420
8	265	286	266	231	197	515	541	415	444	510	438	420
9	285	338	300	209	198	502	527	410	451	506	432	431
10	331	295	303	197	185	527	527	412	445	497	434	426
11	338	252	270	193	162	515	524	415	441	497	432	415
12	370	241	294	195	245	525	522	403	438	494	431	413
13	368	338	324	189	176	541	529	384	424	494	429	410
14	364	364	275	214	133	552	538	385	422	488	429	408
15	362	349	259	224	166	562	513	382	413	487	427	413
16	366	334	249	228	249	552	499	373	408	482	429	413
17	392	328	249	202	300	553	482	364	410	478	432	408
18	373	324	242	187	277	564	476	371	410	482	438	417
19	362	329	236	181	289	562	468	354	401	476	440	459
20	348	328	236	174	183	572	468	340	389	474	448	385
21	336	305	238	216	165	600	469	342	380	474	452	395
22	329	338	233	214	209	588	464	334	389	476	457	480
23	343	342	235	189	258	560	468	336	385	478	457	527
24	354	320	235	224	320	554	464	364	390	474	457	519
25	347	322	219	209	338	553	454	359	404	468	454	502
26	342	362	230	187	376	552	471	361	440	464	454	497
27	338	359	235	198	76	553	464	406	400	466	452	497
28	320	343	236	222	72	560	464	408	475	468	448	501
29	317	315	225	193	-----	566	420	412	218	457	445	459
30	310	300	264	190	-----	572	432	427	198	455	440	501
31	312	-----	254	193	-----	564	-----	416	-----	457	434	-----
TOTAL	10,316	9,532	8,199	6,455	6,009	15,792	14,928	12,264	12,257	14,793	13,708	13,267
MEAN	333	318	264	208	215	509	498	396	409	477	442	442
MAX	392	364	328	242	376	600	550	440	475	515	457	527
MIN	246	241	219	174	72	102	420	334	198	302	427	385
CFSM	.21	.20	.16	.13	.13	.32	.31	.25	.25	.30	.28	.28
IN.	.24	.22	.19	.15	.14	.37	.35	.28	.28	.34	.32	.31
CAL YR 1962	TOTAL	46,278		MEAN 127		MAX 392	MIN - 336	CFSM .08	IN 1.07			
WAT YR 1963	TOTAL	137,520		MEAN 377		MAX 600	MIN - 72	CFSM .23	IN 3.18			



## 2-2690 Kissimmee River below Lake Kissimmee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	499	450	627	660	2,000	2,870	1,890	1,160	874	704	404	428
2	496	471	622	660	2,080	2,810	1,790	1,200	875	660	401	537
3	499	462	620	652	2,100	2,770	1,730	1,260	872	543	398	822
4	499	441	634	650	2,180	2,730	1,750	1,330	874	496	389	911
5	496	443	632	650	2,290	2,720	1,710	1,290	868	469	384	941
6	497	460	643	639	2,510	2,750	1,650	1,230	858	496	384	1,000
7	490	466	637	654	2,540	2,690	1,620	1,200	863	473	382	1,040
8	499	455	627	672	2,650	2,630	1,600	1,170	854	452	351	1,150
9	497	448	643	664	2,670	2,550	1,610	1,140	842	434	406	1,520
10	499	482	636	710	2,660	2,530	1,590	1,130	837	422	408	1,400
11	502	529	630	692	2,680	2,530	1,540	1,100	835	413	400	1,430
12	488	546	628	704	2,720	2,500	1,490	1,080	823	408	415	1,570
13	483	540	627	837	2,700	2,450	1,450	1,080	816	401	398	1,750
14	488	560	627	912	2,720	2,360	1,430	1,080	810	396	436	1,860
15	487	569	656	906	2,720	2,300	1,430	1,100	800	390	438	1,880
16	487	552	672	876	2,750	2,310	1,380	1,080	791	385	525	2,090
17	499	552	658	930	2,780	2,340	1,300	1,080	788	382	494	2,140
18	499	553	670	1,040	2,710	2,280	1,280	1,060	777	376	532	2,150
19	497	560	670	1,100	2,850	2,180	1,260	1,040	772	375	580	2,180
20	497	562	654	1,170	2,890	2,110	1,240	1,030	767	373	553	2,220
21	487	569	646	1,290	2,860	2,170	1,220	1,000	756	373	500	2,220
22	490	572	639	1,350	2,890	2,170	1,200	986	749	375	230	2,260
23	524	578	628	1,430	2,910	2,070	1,180	966	739	380	166	2,200
24	499	583	675	1,500	2,860	1,970	1,170	954	742	384	341	2,180
25	483	595	672	1,570	2,800	1,910	1,170	947	739	393	346	2,200
26	480	599	650	1,690	2,880	1,880	1,140	938	730	371	597	2,200
27	476	602	646	1,730	2,870	1,910	1,100	918	726	375	895	2,180
28	473	602	643	1,810	2,910	1,950	1,130	904	721	416	755	2,180
29	483	618	650	1,900	2,970	2,000	1,150	897	714	448	434	2,140
30	480	650	654	1,920	-----	2,010	1,140	891	707	434	392	2,140
31	459	-----	634	1,940	-----	1,940	-----	883	-----	417	406	-----
TOTAL	15,232	16,089	19,950	33,908	77,150	72,390	42,340	33,124	23,919	13,414	13,740	50,919
MEAN	491	536	644	1,094	2,660	2,335	1,411	1,069	797	433	443	1,697
MAX	524	650	675	1,940	2,970	2,870	1,890	1,330	875	704	895	2,260
MIN	469	441	620	639	2,000	1,880	1,400	863	707	371	166	428
CFSM	.31	.33	.40	.68	1.66	1.45	.88	.66	.50	.27	.28	1.06
IN.	.35	.37	.46	.78	1.79	1.68	.98	.77	.55	.31	.32	1.18

CAL YR 1964 TOTAL 160,744

MEAN 1,126

MAX 2,970

MIN 172

CFSM .97

IN 3.32

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,140	404	233	453	710	1,680	1,190	826	126	549	1,370	1,500
2	2,090	350	228	460	715	1,680	1,170	814	125	544	1,370	1,490
3	2,060	306	230	462	722	1,740	1,100	792	120	509	1,400	1,500
4	2,030	254	233	462	718	1,770	1,070	634	126	543	1,410	1,500
5	2,020	236	243	524	712	1,770	1,080	782	133	571	1,460	1,500
6	2,120	231	241	650	710	1,750	1,040	776	133	564	1,460	1,510
7	2,150	233	236	692	715	1,730	1,030	750	129	657	1,430	1,530
8	2,040	238	233	708	720	1,730	1,020	697	132	717	1,400	1,460
9	1,980	240	232	720	715	1,690	1,020	681	139	755	1,430	1,360
10	1,940	240	232	725	1,130	1,650	1,000	623	154	770	1,470	1,380
11	1,900	238	232	732	1,660	1,620	946	422	193	844	1,480	1,390
12	1,860	264	238	735	1,630	1,560	934	324	350	951	1,500	1,380
13	1,850	257	238	735	1,310	1,530	950	262	390	1,010	1,520	1,370
14	1,830	262	236	741	1,120	1,530	938	174	374	954	1,560	1,360
15	1,860	265	230	750	1,030	1,490	864	150	345	1,060	1,570	1,330
16	1,860	262	227	753	960	1,470	864	143	302	1,100	1,580	1,320
17	1,820	256	235	756	922	1,380	870	136	264	1,110	1,590	1,310
18	1,770	238	224	750	930	1,360	852	132	206	1,120	1,570	1,300
19	1,720	228	220	747	975	1,350	840	128	354	1,070	1,570	1,300
20	1,670	227	222	741	1,020	1,350	840	124	391	988	1,570	1,280
21	1,650	230	217	738	1,040	1,420	842	116	396	960	1,570	1,260
22	1,580	227	216	735	1,060	1,330	838	115	396	1,030	1,570	1,240
23	1,360	224	206	730	1,100	1,240	832	113	398	1,030	1,570	1,220
24	966	228	189	730	1,150	1,230	832	133	413	1,120	1,540	1,200
25	850	238	185	730	1,450	1,180	832	142	449	1,270	1,540	1,190
26	744	235	186	725	1,780	1,150	834	140	461	1,340	1,520	1,160
27	716	242	189	725	1,740	1,170	840	138	478	1,340	1,500	1,080
28	614	233	186	725	1,710	1,180	846	135	502	1,330	1,500	912
29	479	236	220	720	-----	1,190	862	136	543	1,310	1,490	928
30	572	238	400	712	-----	1,180	846	138	549	1,340	1,500	939
31	442	-----	441	715	-----	1,170	-----	133	-----	1,370	1,500	-----
TOTAL	48,683	7,550	7,278	21,281	30,154	45,270	28,020	10,809	9,071	29,826	46,510	39,199
MEAN	1,570	252	235	686	1,077	1,460	934	349	302	962	1,500	1,307
MAX	2,150	404	441	756	1,780	1,770	1,190	846	549	1,370	1,590	1,530
MIN	442	224	185	453	710	1,150	832	113	120	509	1,370	912
CFSM	.98	.16	.15	.43	.67	.91	.58	.22	.19	.60	.93	.81
IN.	1.13	.17	.17	.49	.70	1.05	.65	.25	.21	.69	1.08	.91

CAL YR 1965 TOTAL 424,415

MEAN 1,160

MAX 2,150

MIN 113

CFSM .72

IN 7.49

2-2695 Reedy Creek near Frostproof, Fla

Location --Lat 27°43'13", long 81°28'40", in SW $\frac{1}{4}$  sec 1, T 32 S, R 28 E, on left bank 15 ft up-stream from highway bridge, 100 ft downstream from Reedy Lake, and  $\frac{3}{4}$  miles southeast of Frostproof, Polk County

Drainage area --60.9 sq mi (revised)

Records available --October 1946 to September 1965 Prior to October 1957, published as Reedy Lake Outlet near Frostproof

Gage --Water-stage recorder and concrete control with removable boards Datum of gage is 76.05 ft above mean sea level, datum of 1929 Since Mar 28, 1956, auxiliary staff gage 45 ft downstream at same datum

Average discharge --19 years, 38.1 cfs (27,580 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Several days	140	a 4.69	May 24, 25, 1961	12	b 1.58
1962	Sept 25-25, 1962	39	c 2.98	Dec 25, 26, 1961	70	d 1.32
1963	Several days	51	e 2.97	May 22, 1963	2.2	f 1.64
1964	Sept 15-17, 1964	42	g 2.88	June 28, 1964	12	h 1.50
1965	Sept 29, 30, 1965	58	i 3.25	June 7, 1965	5.0	j 1.30

a Occurred Oct 7, 1960 (wind affected) b Occurred Sept 29, 1961 (wind affected) c Occurred Aug 10, 1962 (wind affected) d Occurred Oct 27, 1961 (wind affected) e Occurred July 7, 1963 (wind affected) f Occurred May 21, 1963 (wind affected) g Occurred Sept 14, 1964 h Occurred June 28, 1964 (wind affected) i Occurred Sept 28, 1965 (wind affected) j Occurred June 7, 1965 (wind affected)

1946-65 Maximum discharge, 166 cfs Oct 2-6, 1958, maximum gage height, 4.69 ft Oct 7, 1960 (wind affected), minimum daily discharge, 0.10 cfs Mar 21-23, 29, Apr 22, 1956, minimum gage height, 1.30 ft May 21, 1955, June 7, 1965 (wind affected)

Remarks --Records fair

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	140	122	87	63	53	55	53	29	17	47	37	38
2	140	120	85	63	52	54	52	30	17	45	36	37
3	138	119	83	62	54	54	50	29	17	46	35	38
4	147	118	81	61	55	53	49	30	17	59	33	39
5	136	116	80	60	54	52	46	25	17	67	32	38
6	130	116	79	59	54	52	45	19	16	66	31	36
7	137	114	79	58	56	52	47	18	15	65	33	35
8	148	111	77	58	59	51	46	18	16	63	35	35
9	139	110	76	59	58	52	45	18	17	62	34	36
10	140	109	76	60	58	55	47	21	18	61	34	36
11	140	108	75	59	57	54	45	20	24	59	33	36
12	136	108	76	58	57	54	45	20	32	58	33	35
13	137	106	74	61	57	55	45	20	32	56	33	34
14	136	106	72	62	57	59	44	19	32	55	33	34
15	136	104	71	62	56	59	43	18	32	56	32	34
16	134	103	73	61	56	57	44	18	32	55	34	34
17	134	102	71	60	56	56	43	17	32	54	34	33
18	132	102	70	60	56	56	41	17	32	54	35	33
19	131	101	69	59	56	59	40	16	31	52	34	32
20	130	100	68	59	56	60	39	15	30	52	34	32
21	130	98	68	58	55	60	38	15	31	52	34	30
22	128	96	68	56	56	59	36	14	32	51	34	30
23	126	95	66	56	58	59	36	14	33	50	34	29
24	125	94	66	55	58	58	35	12	34	50	33	29
25	123	93	65	55	58	56	34	12	35	49	35	26
26	122	92	64	54	57	55	34	15	39	47	39	26
27	121	91	64	55	56	54	34	17	40	46	39	25
28	120	90	64	54	55	53	33	15	40	45	38	24
29	120	90	64	54	-----	52	32	17	41	43	39	23
30	118	89	64	54	-----	52	30	18	43	41	39	22
31	120	-----	63	53	-----	51	-----	18	-----	40	38	-----
TOTAL	4,082	3,123	2,237	1,808	1,570	1,708	1,251	584	844	1,646	1,077	969
MEAN	132	104	72.2	58.3	56.1	55.1	41.7	18.8	28.1	53.1	34.7	32.3
MAX	140	122	87	63	59	60	53	30	43	67	39	39
MIN	118	89	63	53	52	51	30	12	15	40	31	22
CFSM	2.16	1.71	1.18	.96	.92	.90	.68	.31	.46	.87	.57	.53
IN.	2.49	1.91	1.37	1.10	.96	1.04	.76	.36	.52	1.01	.66	.59
CAL YR 1960.	TOTAL 24,025	MEAN 65.6	MAX 140	MIN 29	CFSM 1.08	IN 14.67						
WAT YR 1961	TOTAL 20,899	MEAN 57.3	MAX 140	MIN 12	CFSM .94	IN 12.76						

Note --Shifting-control method used May 5 to Sept 30

## 2-2695 Reedy Creek near Frostproof, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	4.8	1.1	7.7	5.0	6.9	12	9.2	3.1	21	31	37
2	18	4.2	1.1	5.6	4.9	7.1	16	9.2	3.9	21	32	37
3	18	3.8	1.1	2.0	4.9	6.9	15	8.3	2.9	20	35	37
4	17	3.5	1.1	2.1	5.0	5.7	15	7.4	2.8	20	35	36
5	16	3.2	1.1	2.0	5.5	6.6	12	7.7	3.1	19	35	36
6	15	2.9	1.1	2.1	6.6	6.6	12	8.5	3.5	18	36	37
7	14	2.7	1.1	2.6	6.0	2.5	16	8.4	3.5	17	37	36
8	14	2.5	1.1	2.8	5.9	1.1	17	8.0	3.9	17	38	36
9	13	2.4	1.0	2.6	5.9	1.1	17	7.8	5.7	18	38	36
10	12	2.3	1.0	2.8	8.6	1.3	17	7.2	6.3	28	38	35
11	12	2.2	1.0	3.5	6.6	1.2	19	7.2	6.8	31	38	34
12	14	2.1	1.0	4.7	5.5	1.6	18	6.6	7.8	35	38	34
13	15	2.0	1.0	3.9	5.0	1.8	18	5.8	7.8	36	38	34
14	15	1.9	1.0	3.3	5.4	1.4	17	4.7	9.0	36	38	34
15	15	1.7	1.0	3.5	5.4	1.5	15	4.3	9.0	37	37	34
16	12	1.6	1.0	4.4	5.8	4.0	15	4.5	12	37	38	33
17	11	1.5	1.0	4.5	7.2	3.3	13	3.6	14	36	38	33
18	11	1.5	.90	4.4	6.7	2.8	12	3.5	14	36	38	32
19	10	1.4	.90	4.5	7.4	2.2	11	2.8	13	36	38	32
20	9.6	1.4	.90	4.9	7.2	2.0	10	2.4	13	36	38	31
21	8.1	1.4	.80	5.0	7.2	2.7	9.4	2.5	15	35	38	38
22	6.5	1.3	.80	5.3	6.5	2.7	8.4	2.2	15	35	38	38
23	6.0	1.3	.90	5.9	6.4	11	8.4	1.9	17	34	38	39
24	6.0	1.3	.80	5.9	6.7	9.6	8.1	2.6	17	34	38	39
25	6.5	1.3	.70	6.7	6.8	12	7.8	2.9	17	33	38	39
26	6.5	1.2	.70	5.9	6.9	17	7.4	3.1	17	32	37	38
27	6.5	1.2	2.2	5.9	6.7	16	8.3	3.1	20	32	37	38
28	6.0	1.2	6.0	7.3	6.7	14	7.7	3.3	20	30	36	38
29	6.0	1.2	6.4	5.9	-----	12	7.7	2.9	20	30	36	37
30	6.5	1.2	6.7	5.2	-----	12	7.9	3.5	20	30	36	36
31	5.5	-----	6.7	5.2	-----	12	-----	3.5	-----	30	37	-----
TOTAL	351.7	62.2	53.20	137.6	174.4	188.6	378.1	158.6	323.1	910	1,143	1,074
MEAN	11.3	2.0	1.72	4.44	6.23	6.08	12.6	5.12	10.8	29.4	36.9	35.8
MAX	20	4.8	7.7	8.6	8.6	17	19	9.2	17	37	38	39
MIN	5.5	1.2	7.0	2.0	4.9	1.1	7.4	1.9	2.8	17	31	31
CFSM	.19	.03	.03	.07	.10	.10	.21	.08	.18	.48	.61	.59
IN.	.41	.04	.03	.08	.11	.12	.23	.10	.20	.56	.70	.66

CAL YR 1961 TOTAL 11,924.10 MEAN 12.7 MAX 67 MIN .70 CFSM .54 IN 7.28  
WAT YR 1962 TOTAL 4,954.50 MEAN 15.6 MAX 39 MIN .70 CFSM .22 IN 5.03

Note --Stage-discharge relation indefinite Oct 31 to Dec 20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	36	19	20	21	17	35	23	7.5	38	51	39	34
2	36	17	20	20	16	36	22	6.3	38	50	40	34
3	36	19	20	20	17	36	21	7.3	37	49	41	34
4	36	19	20	19	21	36	20	7.5	37	48	41	34
5	36	18	19	19	19	36	20	6.3	36	47	39	33
6	36	17	20	19	18	36	20	6.3	36	46	39	32
7	35	17	17	22	17	36	20	6.3	39	46	39	32
8	35	18	17	21	16	35	19	5.7	39	46	38	31
9	35	27	19	20	15	35	18	5.7	38	45	38	29
10	34	27	18	19	15	36	17	5.5	38	44	39	28
11	34	27	16	18	15	35	17	5.5	38	44	39	26
12	33	26	17	19	28	36	17	5.6	37	44	39	24
13	33	26	16	20	30	36	17	4.7	36	43	39	23
14	33	26	15	20	29	36	15	4.0	36	43	39	21
15	32	25	14	22	28	35	13	4.5	36	43	38	20
16	30	24	14	22	28	35	12	4.0	36	42	38	19
17	31	24	15	22	30	35	11	4.0	37	42	38	17
18	30	24	15	21	29	35	11	4.3	37	43	39	18
19	28	24	15	21	32	34	11	2.9	37	43	38	24
20	27	23	15	20	32	34	11	2.5	37	42	38	23
21	26	23	15	23	32	33	11	2.4	36	43	38	25
22	26	24	16	22	32	32	11	2.2	37	42	39	26
23	27	23	16	20	31	30	10	6.0	42	42	38	26
24	26	22	17	22	31	29	10	7.3	41	42	38	28
25	24	22	18	18	30	28	9.6	6.5	46	43	38	28
26	23	22	22	19	34	28	8.9	8.4	46	42	38	28
27	22	21	22	20	36	28	8.3	8.4	48	42	37	28
28	20	20	20	20	35	28	7.3	36	50	41	36	28
29	19	20	22	17	-----	27	5.7	35	51	40	36	27
30	18	20	23	17	-----	26	5.7	38	51	40	36	26
31	20	-----	22	17	-----	26	-----	38	-----	39	35	-----
TOTAL	917	664	557	620	714	1,023	422.5	292.6	1,186	1,357	1,187	806
MEAN	29.6	22.1	18.0	20.0	23.5	33.0	14.0	9.5	39.5	43.3	38.3	26.6
MAX	36	27	23	23	36	36	23	38	51	51	41	34
MIN	18	17	14	17	15	26	5.7	2.2	36	39	35	17
CFSM	.49	.36	.30	.33	.42	.54	.23	.15	.65	.72	.63	.44
IN.	.56	.41	.34	.38	.44	.62	.26	.18	.72	.83	.72	.49

CAL YR 1962 TOTAL 8,625.4 MEAN 18.2 MAX 39 MIN 1.1 CFSM .30 IN 4.05  
WAT YR 1963 TOTAL 9,746.1 MEAN 26.7 MAX 51 MIN 2.2 CFSM .44 IN 5.95

2-2695 Reedy Creek near Frostproof, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	28	19	26	27	30	34	30	27	23	24	26	35
2	28	20	26	27	30	34	30	30	23	27	26	35
3	28	18	26	27	30	33	29	30	23	27	25	36
4	28	18	26	27	32	33	29	30	23	28	25	38
5	28	20	25	27	33	33	29	29	23	27	26	38
6	27	22	25	27	34	33	29	28	23	27	28	37
7	27	22	25	28	34	33	29	28	23	25	28	37
8	27	21	25	28	35	32	29	27	22	24	28	36
9	26	21	25	28	34	32	29	27	22	24	30	36
10	26	26	25	29	34	32	28	27	22	23	30	36
11	26	28	24	28	34	32	28	26	22	23	31	37
12	25	29	24	30	34	32	27	26	21	23	31	37
13	25	29	24	31	33	32	27	26	20	22	31	40
14	25	28	25	30	33	31	26	26	20	22	33	41
15	24	28	25	30	33	31	26	25	19	20	33	42
16	25	27	25	29	33	31	26	25	19	20	33	42
17	26	27	26	30	33	33	24	24	18	20	33	42
18	25	27	26	30	33	30	22	23	17	19	33	41
19	25	27	26	30	35	30	22	23	17	18	33	41
20	25	27	26	30	34	29	27	22	16	18	33	41
21	24	27	25	30	34	29	22	21	15	18	33	40
22	24	27	25	30	34	29	22	20	14	20	34	40
23	24	27	26	30	34	28	22	22	13	21	34	40
24	23	27	27	30	33	28	22	26	13	22	34	40
25	23	27	27	30	32	28	22	26	13	24	34	39
26	23	27	26	30	32	27	22	26	12	26	33	38
27	23	27	26	30	32	27	24	25	13	27	34	38
28	22	27	26	31	34	29	26	24	16	27	35	38
29	22	28	26	31	34	32	27	24	21	28	34	38
30	21	27	26	30	-----	31	26	24	23	28	34	38
31	20	-----	27	30	-----	31	-----	23	-----	27	35	-----
TOTAL	773	755	792	905	960	957	775	790	569	729	970	1,157
MEAN	24.9	25.2	25.5	29.2	33.1	30.9	25.8	25.5	19.0	23.5	31.3	36.6
MAX	28	29	27	31	35	34	30	30	23	28	35	42
MIN	20	18	24	27	30	27	22	20	12	18	25	35
CFSM	41	41	42	48	54	51	42	42	31	39	51	63
IN.	47	46	48	55	59	58	47	48	35	45	59	71

CAL YR 1963 TOTAL 9,928.1 MEAN 27.2 MAX 51 MIN 2.2 CFSM .45 IN 6.06  
WAT YR 1964 TOTAL 10,132 MEAN 27.7 MAX 42 MIN 12 CFSM .45 IN 6.19

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	37	28	20	20	16	23	29	23	6.6	34	45	39
2	37	28	19	19	17	26	28	22	6.0	35	45	38
3	37	28	19	20	18	30	28	21	5.7	37	45	38
4	36	28	19	20	18	30	28	20	6.0	38	46	37
5	36	27	21	20	17	30	27	20	5.7	38	45	37
6	36	27	21	19	17	30	27	19	5.4	38	46	36
7	36	27	21	19	19	29	27	18	5.0	38	45	36
8	35	26	20	19	20	29	26	18	6.3	39	44	35
9	34	26	20	19	20	28	26	17	7.6	41	44	35
10	34	26	20	19	20	28	25	16	8.6	41	44	35
11	34	26	20	19	20	28	24	15	17	41	45	35
12	34	25	20	19	20	28	24	15	23	41	45	34
13	34	25	20	19	19	28	23	14	24	41	44	34
14	34	25	20	19	19	28	23	12	24	42	43	33
15	34	24	20	20	20	28	21	11	24	42	43	33
16	34	24	19	20	18	28	20	11	24	42	43	34
17	33	24	19	20	19	28	19	10	24	43	42	37
18	33	23	19	18	19	28	18	9.8	26	44	41	38
19	32	23	19	17	19	28	17	9.2	27	45	41	38
20	32	22	19	17	18	28	17	8.6	27	46	41	37
21	31	22	19	17	18	28	18	8.2	26	49	41	37
22	30	22	19	17	19	27	23	7.3	28	48	40	36
23	30	21	19	17	23	26	23	7.0	36	47	39	37
24	21	19	19	17	26	26	24	7.9	36	47	39	37
25	30	21	19	18	27	26	24	8.6	35	46	38	37
26	29	21	19	18	25	26	24	8.6	35	46	38	37
27	29	20	20	18	24	27	25	8.2	35	45	37	38
28	29	20	20	18	24	28	25	7.6	35	45	38	52
29	29	21	20	17	-----	28	24	7.3	35	44	39	58
30	28	21	20	16	-----	29	23	7.6	34	44	39	58
31	28	-----	20	18	-----	29	-----	7.3	-----	45	39	-----
TOTAL	1,015	722	609	573	559	864	710	395.2	637.9	1,312	1,304	1,146
MEAN	32.7	24.1	19.6	18.5	20.0	27.9	23.7	12.7	21.3	42.3	42.1	38.2
MAX	37	28	21	20	27	30	29	23	36	49	46	58
MIN	28	20	19	16	16	23	17	7.0	5.0	34	37	33
CFSM	54	40	32	30	33	46	39	21	35	69	69	63
IN.	62	44	37	35	34	53	43	24	39	80	80	70

CAL YR 1964 TOTAL 10,159 MEAN 27.8 MAX 42 MIN 12 CFSM .46 IN 6.20  
WAT YR 1965 TOTAL 9,847.1 MEAN 27.0 MAX 38 MIN 5.0 CFSM .44 IN 6.61

2-2700 Carter Creek near Sebring, Fla

Location (revised)--Lat 27°32'00", long 81°23'25", in SE $\frac{1}{4}$  sec 11, T 34 S, R 29 E, at left bank 1,100 ft upstream from bridge on county road, 2 $\frac{1}{2}$  miles upstream from Arbuckle Creek, 4 miles downstream from Bonnet Lake, and 4 $\frac{1}{4}$  miles northeast of Sebring, Highlands County

Drainage area--38.8 sq mi

Records available--October 1954 to September 1965 Gage-height records only collected at present site March 1956 to September 1958 (fragmentary) and May to September 1964, published as "auxiliary" May to September 1963, gage heights only

Gage--Digital water-stage recorder Datum of gage is 56.75 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Nov 16, 1954, staff gage and Nov 16, 1954, to Sept 30, 1958, staff gage and May 23, 1963, to July 27, 1964, graphic water-stage recorder, at present site and datum

Average discharge--11 years, 31.0 cfs (22,440 acre-ft per year)

Extremes--Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Nov 1, 1960	a 96	b 9.17	May 1, 1961	c 7.2	d 5.73
1962	Sept 21, 1962	182	9.52	May 23, 1962	e 2.3	f 5.70
1963	June 28, 1963	195	9.64	Apr 30, 1963	c 4.2	f 6.15
1964	Sept 14, 1964	78	9.90	June 26, 1964	8.2	8.32
1965	Mar 2, 1965	142	10.74	June 6, 1965	4.0	8.20

a Maximum peak discharge, maximum discharge during year, 157 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Minimum daily d Affected by pumpage e Occurred Nov 12, 1962  
(affected by pumpage) f Occurred May 22, 1963 (affected by pumpage)

1954-65 Maximum discharge, 552 cfs Sept 11, 1960 (gage height, 11.05 ft, site then in use), from rating curve extended above 190 cfs by logarithmic plotting, minimum daily, 2.30 cfs May 23, 1962, minimum gage height, 5.70 ft Nov 12, 1961 (affected by pumpage), site then in use

Remarks--Records good except those prior to Oct 1, 1963, which are fair, and those for periods of shifting control, which are poor Regulation by Bonnet Lake control above station

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	154	93	39	29	27	23	41	7.2	20	24	17	32
2	149	91	37	29	26	12	36	12	27	23	14	34
3	145	87	36	29	29	12	27	17	22	24	13	30
4	140	76	35	28	34	23	30	20	22	30	13	27
5	135	71	34	28	33	27	21	20	21	33	12	25
6	132	68	34	28	31	24	22	25	21	31	12	24
7	132	66	33	29	32	24	25	23	20	29	12	19
8	151	61	33	28	35	20	28	22	20	28	12	18
9	147	58	33	31	30	24	24	21	19	32	13	17
10	138	57	32	32	33	23	27	23	19	33	18	17
11	132	62	32	31	31	21	16	22	17	29	21	17
12	128	62	33	31	28	16	24	19	17	28	22	17
13	128	59	32	60	26	14	16	19	21	26	21	17
14	128	56	31	75	25	25	23	18	21	26	20	17
15	127	54	32	52	25	25	25	18	20	18	22	18
16	124	52	35	44	25	23	24	17	20	16	22	21
17	119	51	34	40	28	16	24	16	20	16	29	25
18	115	50	34	37	28	30	16	16	19	25	30	24
19	112	49	32	35	33	77	18	17	18	26	27	23
20	109	48	31	34	30	51	21	17	17	17	24	22
21	106	46	31	33	30	48	19	17	17	24	23	22
22	101	45	31	22	29	33	16	18	19	21	23	23
23	95	44	30	21	28	30	11	17	22	17	23	21
24	90	44	30	23	28	35	15	18	24	24	22	20
25	86	43	30	24	27	23	19	22	24	24	23	19
26	82	42	29	26	26	21	18	27	32	23	25	18
27	79	42	29	26	25	30	17	25	29	23	25	18
28	77	41	29	27	24	20	17	26	30	22	26	17
29	74	40	29	27	-----	32	16	26	28	22	28	18
30	71	40	29	27	-----	19	14	25	26	21	30	19
31	78	-----	29	27	-----	27	-----	24	-----	20	28	-----
TOTAL	3,584	1,691	998	1,012	806	828	648	614.2	647	755	650	639
MEAN	116	56.4	32.2	32.6	28.8	26.7	21.6	19.8	21.6	24.4	21.0	21.3
MAX	154	93	39	75	35	77	41	27	32	33	30	34
MIN	71	40	29	21	24	12	11	7.2	17	16	12	17
CFSM	2.98	1.45	83	84	74	69	56	51	56	63	54	55
IN.	3.44	1.62	.96	.97	.77	.79	.62	.59	.62	.72	.62	.61

CAL YR 1960 TOTAL 22,496 MEAN 61.5 MAX 352 MIN 20 CFSM 1.58 IN 21.56  
WAT YR 1961 TOTAL 12,872.2 MEAN 35.3 MAX 154 MIN 7.2 CFSM .91 IN 12.34

Note--Shifting-control method used May 5 to July 7, July 27 to Sept 17

2-2700 Carter Creek near Sebring, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	16	14	9.6	11	8.3	11	13	5.0	17	23	29	33
2	16	14	9.2	11	8.1	11	15	7.2	13	22	27	27
3	15	14	10	12	7.9	10	13	2.5	9.1	20	23	27
4	14	14	10	12	7.9	11	11	4.4	7.2	17	21	28
5	14	15	9.6	12	8.4	11	12	9.1	8.5	16	20	30
6	13	15	8.6	12	8.8	10	13	9.4	12	16	19	42
7	13	15	7.0	13	8.8	9.5	16	7.5	13	15	22	30
8	12	12	7.0	13	8.8	9.5	22	6.0	13	14	24	26
9	8.3	8.0	7.0	13	9.2	7.5	19	5.0	16	27	23	22
10	6.2	7.2	7.0	12	9.6	8.0	18	4.2	19	47	28	20
11	6.5	6.7	7.0	12	8.8	8.5	17	4.4	18	31	36	24
12	6.9	6.9	7.7	12	8.4	7.8	18	6.2	16	30	33	22
13	6.7	7.2	9.9	12	8.1	8.0	16	5.6	27	30	30	21
14	8.7	10	11	12	7.9	8.2	12	4.4	25	23	26	19
15	7.8	10	10	12	7.9	5.0	10	3.9	19	20	24	16
16	7.2	8.8	8.4	11	7.9	8.0	9.1	3.6	18	18	24	19
17	6.9	7.0	7.9	9.9	7.9	5.0	12	3.2	23	17	27	24
18	8.0	9.5	13	9.4	7.9	3.9	8.5	2.9	20	16	37	22
19	8.0	9.9	8.6	8.8	7.0	7.0	11	5.7	16	15	25	22
20	7.4	9.9	6.3	8.6	6.8	4.4	7.0	3.9	17	18	18	30
21	6.7	6.1	8.4	8.3	6.1	3.2	7.5	3.3	45	20	19	143
22	6.5	6.3	7.0	8.3	6.1	11	5.4	3.0	65	18	22	93
23	7.6	7.2	6.1	9.4	7.7	7.2	3.9	2.3	42	17	21	67
24	6.5	3.8	5.7	7.9	6.6	4.4	3.4	2.6	48	16	19	59
25	8.3	8.6	7.7	7.7	9.2	15	3.2	3.9	28	15	21	52
26	10	12	14	11	9.8	23	3.4	3.7	23	15	22	44
27	9.9	13	10	11	10	17	8.5	4.6	46	16	19	38
28	10	12	8.3	10	10	13	11	4.4	29	16	16	36
29	12	11	12	9.6	-----	11	11	11	24	15	15	34
30	11	10	14	9.0	-----	15	9.1	18	23	14	17	32
31	12	-----	14	8.6	-----	21	-----	20	-----	20	22	-----
TOTAL	302.1	293.1	282.0	328.2	228.1	304.1	339.0	178.9	701.8	617	729	1,102
MEAN	9.75	9.44	9.10	10.6	8.15	9.81	11.3	5.77	23.4	19.9	23.5	36.7
MAX	16	15	14	13	10	23	22	20	65	47	37	143
MIN	6.2	5.9	5.7	7.7	6.1	3.2	3.2	2.3	7.2	14	15	16
CFSM	.25	.26	.23	.27	.21	.25	.29	.15	.60	.51	.61	.95
IN.	.29	.29	.27	.31	.22	.29	.32	.17	.67	.59	.70	1.06

CAL YR 1961 TOTAL 7,491.4 MEAN 20.5 MAX 77 MIN 5.7 CFSM .23 IN 7.17  
 WAT YR 1962 TOTAL 5,410.3 MEAN 14.8 MAX 143 MIN 2.3 CFSM .38 IN 5.19

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	32	17	17	16	17	34	17	5.5	46	84	24	18
2	32	17	17	16	16	32	15	6.0	39	61	29	20
3	32	16	17	15	16	55	14	8.2	34	48	29	22
4	33	16	17	15	18	58	14	7.5	31	35	26	21
5	38	15	17	14	18	38	14	6.2	30	33	24	20
6	35	15	19	15	17	31	13	8.5	30	32	24	21
7	32	14	19	21	16	28	14	11	37	31	23	22
8	30	19	18	22	15	25	18	10	39	34	22	27
9	30	60	20	22	14	26	17	9.8	35	33	21	28
10	29	68	19	20	14	30	16	9.0	32	30	21	26
11	28	47	18	20	14	30	15	8.5	30	30	25	24
12	26	36	18	19	32	27	14	8.0	29	31	35	23
13	25	32	17	19	43	26	14	11	28	37	31	22
14	25	28	17	19	36	26	14	10	28	38	29	22
15	24	25	16	20	28	26	13	9.8	28	37	25	21
16	24	23	16	19	25	24	12	9.2	28	33	24	21
17	23	22	16	19	31	23	12	8.5	28	31	28	20
18	22	21	16	18	25	26	11	7.8	27	30	24	21
19	22	21	16	18	38	30	10	8.0	26	29	23	32
20	21	21	16	17	41	20	10	10	25	28	22	49
21	20	21	16	16	32	19	10	8.5	24	27	35	57
22	21	20	15	14	33	17	9.8	7.0	28	24	34	68
23	22	20	15	14	32	16	10	7.2	26	28	39	53
24	23	19	15	14	37	15	11	12	37	28	31	64
25	21	19	15	14	18	15	10	12	58	34	27	93
26	20	19	22	17	56	16	8.8	18	55	37	24	66
27	19	18	20	18	75	19	7.8	98	70	34	23	55
28	18	18	20	18	-----	19	7.8	70	137	30	22	54
29	18	18	19	17	-----	15	5.8	99	145	28	21	46
30	18	18	18	18	-----	14	4.2	70	113	27	20	40
31	18	-----	17	17	-----	15	-----	58	-----	25	19	-----
TOTAL	781	723	540	541	792	795	362.2	592.2	1,325	1,065	824	1,076
MEAN	25.2	24.1	17.4	17.5	28.1	25.6	12.1	19.1	44.2	34.9	26.6	35.9
MAX	48	68	22	22	75	75	18	98	145	84	54	93
MIN	18	14	15	14	14	14	4.2	5.5	24	24	19	18
CFSM	.65	.62	.45	.45	.73	.66	.31	.49	1.14	.89	.69	.92
IN.	.75	.69	.52	.52	.76	.76	.35	.57	1.27	1.02	.79	1.03

CAL YR 1962 TOTAL 6,572.1 MEAN 18.0 MAX 143 MIN 2.9 CFSM .46 IN 6.30  
 WAT YR 1963 TOTAL 9,416.4 MEAN 25.8 MAX 145 MIN 4.2 CFSM .86 IN 9.03

## 2-2700 Carter Creek near Sebring Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	38	15	23	31	30	33	15	21	16	14	22	24	
2	34	15	21	28	24	29	14	30	14	15	22	32	
3	31	15	21	25	25	26	14	27	14	19	21	45	
4	31	14	21	25	34	23	14	23	14	24	19	38	
5	31	17	21	24	57	23	14	19	14	16	18	32	
6	30	24	20	23	58	18	13	17	14	14	18	29	
7	30	23	19	32	46	23	14	16	15	13	17	25	
8	29	20	18	40	41	24	14	15	14	12	18	27	
9	28	18	17	36	24	18	14	14	12	12	19	24	
10	28	36	18	42	35	23	13	13	14	11	20	27	
11	27	59	18	41	31	22	13	13	14	11	21	34	
12	26	47	17	52	30	17	12	12	13	11	22	34	
13	26	36	18	54	28	14	12	12	10	10	22	44	
14	25	29	18	43	28	14	12	27	11	11	21	68	
15	25	26	19	37	28	13	12	25	11	11	20	51	
16	25	23	19	33	27	15	11	18	11	13	26	61	
17	25	21	27	26	23	11	14	10	10	23	49	33	
18	27	19	36	32	28	19	10	9.7	9.7	14	20	42	
19	27	18	30	30	30	24	10	14	9.5	14	19	38	
20	25	18	26	21	30	17	10	13	9.1	13	19	36	
21	23	18	23	20	28	20	17	12	9.3	12	20	34	
22	23	18	22	21	28	19	18	12	9.1	13	25	32	
23	21	18	23	23	27	21	16	14	8.8	29	58	32	
24	20	40	32	24	23	14	15	14	8.8	27	50	31	
25	20	30	31	34	22	12	14	14	8.6	26	34	30	
26	20	39	28	37	23	12	13	13	8.6	30	26	29	
27	19	32	25	34	24	19	16	12	10	28	32	29	
28	19	28	25	22	36	26	18	12	10	25	55	79	
29	18	24	19	24	36	22	12	12	36	28	28	28	
30	17	25	23	20	-----	16	17	12	13	24	28	28	
31	16	-----	29	31	-----	16	-----	14	-----	22	24	-----	
TOTAL	784	749	713	967	917	624	415	500	351.5	532	795	1,067	
MAX	25.3	25.0	31.2	31.2	31.6	31.6	13.8	16.1	11.7	17.2	25.6	35.5	
MAX	38	59	36	54	58	33	19	30	16	30	58	68	
MIN	16	14	17	19	22	12	10	12	8.6	10	17	24	
CF5M	65	64	59	80	81	52	36	42	30	44	66	92	
IN.	.75	.72	.68	.93	.88	.60	.40	.48	.34	.51	.76	1.02	
CAL YR	1964	TOTAL	9,618.9	MEAN	26.4	MAX	145	MIN	4.2	CF5M	68	IN	9.22
YR	1964	8,414.5	MEAN	23.0	MAX	68	MIN	8.6	CF5M	59	IN	8.07	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT
1	24	17	9 9	11	9 9	11	18	17	6.1	20	54	31
2	28	17	9 4	11	10	49	17	15	5.6	19	59	35
3	28	17	9 2	11	10	83	16	15	5 4	34	94	47
4	27	16	25	11	10	44	15	14	5 2	77	87	37
5	27	16	28	10	9 5	32	15	14	4 8	51	81	31
6	28	15	20	10	9 9	27	14	14	4 6	36	100	28
7	27	15	17	9 9	12	24	14	14	4 6	30	78	26
8	26	14	15	9 7	12	21	14	13	5 7	39	68	28
9	26	14	14	9 7	12	19	13	12	7 1	62	73	37
10	25	13	13	9 7	11	18	12	12	9 4	70	85	39
11	25	13	13	9 7	11	17	12	11	18	56	75	33
12	25	13	12	9 7	11	17	11	11	20	44	64	29
13	26	12	12	9 7	10	17	11	10	23	48	60	27
14	25	12	12	9 7	9 9	17	10	9 5	20	56	60	25
15	25	12	12	11	9 5	17	9 5	8 9	16	59	57	25
16	25	12	12	11	9 1	16	8 8	8 5	14	73	53	31
17	24	11	12	11	9 1	15	8 0	8 1	15	57	49	36
18	23	11	12	10	8 8	15	7 3	7 8	17	49	46	39
19	22	11	12	10	8 8	15	6 6	7 0	18	43	50	36
20	22	11	12	10	8 4	15	6 2	6 7	16	44	86	31
21	21	11	11	10	8 0	15	8 0	6 3	13	50	101	28
22	20	11	11	10	7 6	14	15	6 0	16	50	72	26
23	19	10	11	10	22	14	21	5 9	37	45	58	28
24	19	10	11	10	25	14	22	6 1	26	52	48	32
25	19	11	11	11	18	14	26	5 9	21	56	42	36
26	19	11	12	10	15	13	24	5 6	18	50	39	37
27	18	10	12	11	12	14	29	5 4	26	46	38	43
28	18	11	10	12	11	19	24	5 2	32	43	37	57
29	18	11	12	10	11	24	20	5 6	27	44	35	57
30	17	11	11	10	-----	32	18	7 3	23	55	35	66
31	17	-----	11	10	-----	20	-----	6 7	-----	58	34	-----
TOTAL	717	3 9	406 5	316 8	320 5	681	445 4	294 5	474 5	1 537	1 918	1 061
MIN	23 1	12 6	13 1	11 2	11 4	21 0	14 8	9 50	1 8	49 6	61 9	35 4
MAX	28	17	28	11	25	83	29	17	37	82	101	66
MIN	17	10	9 2	9 7	7 6	11	6 2	5 2	4 6	19	34	25
CFSM	.60	.33	.34	.26	.30	.57	.38	.24	.41	1.28	1.59	.91
IN.	.69	.36	.39	.30	.31	.65	.43	.28	.45	1.47	1.84	1.02
CAL YR	1964	TOTAL	7 671 0	MEAN	21 0	MAX	8 6	CFSM	.54	IN	7 35	
YR	1965	TOTAL	8 551 2	MEAN	23 4	MAX	101	CFSM	.60	IN	8 20	

## 2-2705 Arbuckle Creek near De Soto City, Fla

Location --Lat 27°27'30", long 81°18'15", in SW 1/4 sec 2, T 35 S, R 30 E, on left bank 0.4 mile downstream from Arbuckle Branch, 1.6 miles upstream from bridge on U.S. Highway 98, 2.6 miles upstream from Lake Istokpoga, and 6 1/2 miles east of De Soto City, Highlands County

Drainage area --379 sq mi, revised (excludes area drained by Lake Weohyakapla and includes area drained by Lake Sebring)

Records available --June 1939 to September 1965 Gage-height record collected at present site since March 1954

Gage --Water-stage recorder Datum of gage is 35.51 ft above mean sea level, datum of 1929 Prior to June 24, 1942, water-stage recorder, June 24, 1942, to Oct 19, 1943, staff gage, Oct 20, 1943, to Oct 10, 1954, Oct 1, 1961, to Sept 30, 1962, water-stage recorder, at site 1.6 miles downstream at same datum Oct 11, 1954, to Sept 30, 1961, water-stage recorder at present site at same datum Oct 1, 1961, to Sept 30, 1962, auxiliary water-stage recorder on north shore of Lake Istokpoga near the mouth of Arbuckle Creek Oct 11, 1954, to Sept 30, 1961, and since Oct 1, 1962, auxiliary water-stage recorder 1.6 miles downstream

Average discharge --26 years, 382 cfs (272,900 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 14, 1961	a 778	b 7.88	Aug 15, 1961	46	2.21
1962	Sept 23, 1962	c 1,400	5.72	May 22, 1962	d 4.6	e 6.4
1963	Feb 28, 1963	c 913	6.42	May 22, 23, 1963	d 40	f 2.43
1964	Sept 17, 18, 1964	c 938	6.53	June 25, 1964	d 39	2.76
1965	Aug 7, 1965	c 992	6.53	June 7, 1965	d 34	2.48

a Maximum peak discharge, maximum discharge during year, 2,300 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Maximum daily d Minimum daily e Occurred May 21, 1962  
f Occurred May 22, 1963 (affected by wind)

1939-65 Maximum discharge, 7,380 cfs Sept 23, 1948 (gage height, 8.71 ft, site then in use), from rating curve extended above 5,300 cfs, minimum, 4.30 cfs May 19, 27, 28, 1956, minimum gage height, 0.14 ft (estimated) May 11, 1962, result of channel work upstream

Remarks --Records fair, except those for period of shifting control, which are poor Records include small diversions into Lake Arbuckle from Lake Weohyakapka through Blue Jordan Swamp Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 1274 1939-50

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC.	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,230	748	292	214	238	186	254	111	96	92	77	164
2	2,100	716	280	209	233	178	233	110	93	88	71	174
3	2,000	719	276	204	235	175	220	107	92	85	73	204
4	1,490	697	272	200	235	179	199	107	90	95	69	210
5	1,810	670	269	197	235	178	144	106	87	104	66	215
6	1,720	645	264	196	244	176	185	108	85	101	61	221
7	1,680	616	263	194	244	173	182	107	84	98	57	220
8	1,770	598	260	191	245	170	180	104	82	93	57	215
9	1,700	564	255	199	263	147	193	106	75	93	54	212
10	1,010	504	249	210	247	143	182	110	75	116	57	211
11	1,550	548	247	212	247	147	175	108	76	117	58	196
12	1,470	533	242	210	245	149	191	103	77	116	56	185
13	1,420	516	232	491	242	147	166	99	82	117	54	175
14	1,380	498	233	716	247	171	159	93	79	123	50	161
15	1,320	484	241	625	233	170	163	92	79	117	48	153
16	1,280	470	243	540	230	167	153	90	87	107	49	155
17	1,230	458	243	474	230	167	142	89	80	104	44	161
18	1,190	446	242	419	232	172	136	85	74	101	90	158
19	1,180	434	241	376	228	238	132	82	70	98	110	155
20	1,140	419	242	344	228	263	130	81	74	102	108	151
21	1,100	402	237	320	225	265	127	78	83	97	102	156
22	1,050	386	230	302	226	263	128	75	73	98	95	161
23	990	374	225	292	220	271	127	73	74	97	94	145
24	948	360	225	284	212	274	126	73	73	94	86	137
25	913	346	224	278	213	272	124	80	79	94	82	132
26	864	337	221	275	191	265	122	91	87	93	90	129
27	826	328	218	269	193	254	117	88	95	91	91	121
28	784	322	216	261	191	242	111	90	97	88	88	116
29	760	314	215	254	-----	221	108	107	97	84	110	111
30	736	305	214	242	-----	212	108	104	96	79	139	119
31	724	-----	214	240	-----	212	-----	99	-----	75	157	-----
TOTAL	41,345	14,357	7,525	9,460	6,472	6,247	4,767	2,955	2,490	3,052	2,463	5,027
MEAN	1,334	463	243	305	211	202	153	95.3	83.0	98.5	79.5	168
MAX	2,230	748	292	736	265	274	254	111	97	123	157	221
MIN	724	305	214	191	191	142	108	73	70	75	48	111
CFSM	3.52	1.31	0.64	0.81	0.61	0.53	0.42	0.25	0.22	0.26	0.21	0.44
IN.	4.06	1.40	0.74	0.93	0.64	0.61	0.47	0.29	0.24	0.30	0.24	0.49

CAL YR 1960 TOTAL 267,797 MEAN 732 MAX 2,130 MIN 146 CFSM 1.27 IN 10.28  
WAT YR 1961 TOTAL 106,660 MEAN 292 MAX 2,230 MIN 48 CFSM 1.27 IN 10.28



## 2-2705 Arbuckle Creek near De Soto City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	114	57	42	47	36	21	52	21	36	926	182	1,140
2	110	58	38	44	31	22	52	18	42	821	206	990
3	102	54	42	44	30	22	53	17	38	844	259	814
4	95	48	36	42	28	21	49	17	30	727	320	684
5	84	43	41	41	29	23	43	19	24	598	394	627
6	76	46	36	47	31	22	41	23	20	490	422	600
7	70	42	39	46	35	20	49	25	21	414	507	562
8	65	46	38	49	37	20	87	26	22	362	584	584
9	62	46	33	49	35	18	86	25	24	320	616	608
10	60	40	29	50	46	15	83	20	30	366	602	586
11	66	34	31	48	46	16	77	12	46	470	809	544
12	81	37	28	48	40	16	65	19	51	510	1,010	496
13	77	34	26	46	37	13	60	30	50	670	1,080	468
14	80	34	40	46	36	16	51	38	57	914	1,120	448
15	80	35	46	45	32	19	47	29	69	851	1,090	438
16	75	32	36	44	29	17	45	22	69	740	1,030	429
17	73	32	31	44	28	20	42	16	76	629	993	420
18	75	24	35	39	32	21	40	8.4	80	572	1,010	420
19	69	30	40	39	36	22	35	8.4	72	520	892	426
20	66	35	45	41	34	17	34	8.4	77	487	820	450
21	59	37	41	40	33	17	31	5.0	102	473	762	794
22	52	26	41	38	33	13	31	5.6	266	437	752	1,180
23	52	33	38	36	30	18	28	5.2	342	393	721	1,400
24	48	45	38	36	28	22	26	5.0	378	360	699	1,310
25	46	52	38	39	23	31	23	5.4	483	326	671	1,280
26	52	51	38	41	24	104	22	6.9	536	288	659	1,240
27	55	48	40	42	22	104	21	5.8	584	251	634	1,190
28	55	51	39	43	21	89	22	5.0	660	245	621	1,120
29	69	53	39	41	-----	76	22	5.2	684	217	621	1,020
30	63	52	40	39	-----	58	21	27	832	186	948	916
31	59	-----	46	37	-----	52	-----	36	-----	174	1,090	-----
TOTAL	2,190	1,255	1,172	1,331	902	965	1,338	513.3	5,801	15,581	22,124	23,184
MEAN	70.6	41.8	37.8	42.9	32.2	31.1	44.6	16.6	193	503	714	773
MAX	114	58	46	50	46	104	87	38	832	926	1,120	1,400
MIN	46	24	26	36	21	13	21	4.6	20	174	182	420
CFSM	1.19	.41	.10	.11	.08	.08	.12	.04	1.33	1.88	2.04	2.04
IN.	.21	.12	.12	.13	.09	.09	.13	.05	.57	1.53	2.17	2.27
CAL YR 1961	TOTAL 47,550			MEAN 130		MAX 736		MIN 24		CFSM .34	IN 4.67	
YR 1962	TOTAL 76,356.3			MEAN 209		MAX 1,400		MIN 4.6		CFSM .55	IN 7.49	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	832	133	129	189	123	839	143	76	266	420	125	106
2	790	127	125	177	120	790	138	93	270	436	124	129
3	720	124	127	166	113	762	134	102	255	444	131	175
4	672	125	116	152	128	755	129	112	249	440	128	136
5	645	121	117	139	139	762	124	98	232	428	124	129
6	620	116	120	129	140	696	121	85	213	406	122	175
7	585	109	114	140	136	635	117	82	203	388	119	170
8	560	115	115	139	133	585	117	78	210	367	115	243
9	533	148	118	137	126	551	116	72	210	345	116	220
10	511	421	117	137	118	542	113	67	204	316	115	180
11	487	414	107	144	110	524	112	66	188	306	117	138
12	463	404	112	128	192	499	108	64	169	272	135	125
13	439	393	110	126	316	479	103	65	152	241	133	120
14	418	382	112	124	335	467	99	66	140	239	126	112
15	393	379	113	127	332	459	96	56	130	224	124	107
16	365	376	109	131	326	435	92	52	121	209	119	104
17	339	372	113	130	367	418	89	49	120	199	117	105
18	306	362	109	124	376	396	86	46	117	192	113	112
19	275	342	105	122	410	372	84	45	112	185	112	134
20	244	322	103	118	479	352	81	43	106	175	123	221
21	219	316	103	129	495	313	79	44	105	166	135	288
22	208	322	103	126	503	272	78	40	101	160	200	316
23	197	281	99	123	507	244	80	40	100	158	204	328
24	191	240	94	120	515	217	82	51	103	160	185	355
25	178	206	92	107	524	198	78	77	189	170	167	416
26	169	185	117	116	590	181	76	69	216	172	153	444
27	162	163	168	135	853	172	74	131	243	166	132	460
28	155	151	191	149	913	167	72	191	297	159	126	500
29	147	142	198	147	-----	159	70	179	320	152	120	555
30	141	136	202	136	-----	152	65	188	392	144	115	575
31	140	-----	199	133	-----	147	-----	234	-----	136	110	-----
TOTAL	12,104	7,627	3,861	4,190	9,414	13,540	2,956	2,661	5,741	7,975	4,085	7,178
MEAN	390	254	125	135	336	437	98.5	85.8	191	257	132	239
MAX	832	421	206	189	913	839	143	234	392	444	204	575
MIN	140	109	92	107	110	147	65	40	100	136	110	104
CFSM	1.03	.67	.33	.36	.89	1.15	.26	.23	.50	.68	.35	.63
IN.	1.19	.75	.38	.41	.92	1.33	.29	.26	.56	.78	.40	.70
CAL YR 1962	TOTAL 95,331.3			MEAN 261		MAX 1,400		MIN 4.6		CFSM .59	IN 9.35	
YR 1963	TOTAL 81,352			MEAN 223		MAX 913		MIN 40		CFSM .59	IN 7.98	

## 2-2705 Arbuckle Creek near De Soto City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	570	74	126	195	180	256	163	149	84	95	223	540
2	550	73	118	201	175	247	157	254	125	88	217	535
3	510	69	112	200	171	237	148	263	170	106	214	555
4	476	70	109	185	197	226	142	240	281	109	205	600
5	444	78	106	176	310	217	136	213	299	118	191	605
6	410	87	104	167	420	206	130	183	272	108	197	590
7	373	97	100	188	412	198	126	167	297	99	177	565
8	342	94	96	226	424	191	120	152	236	103	170	545
9	302	90	95	243	416	181	114	138	182	99	169	525
10	256	130	94	251	416	170	112	124	168	94	159	505
11	210	712	92	246	420	164	109	117	155	75	165	488
12	180	228	92	269	420	158	104	108	145	65	169	492
13	159	221	89	325	413	153	103	103	139	69	170	500
14	146	203	88	328	406	141	97	203	125	79	173	515
15	137	180	91	321	388	132	96	237	115	60	169	590
16	134	163	96	312	376	144	93	213	104	65	167	777
17	133	152	115	320	355	168	89	180	91	85	174	938
18	130	138	159	328	326	184	87	151	85	85	173	938
19	125	126	165	328	348	178	83	125	73	75	172	896
20	122	123	160	324	330	183	78	88	59	65	181	848
21	115	116	152	315	313	174	78	82	60	52	204	812
22	106	112	140	299	300	165	81	81	48	63	218	777
23	100	111	136	284	292	157	81	86	56	88	243	740
24	96	106	167	264	278	150	82	87	50	131	290	698
25	92	122	198	245	258	142	90	92	39	160	335	662
26	92	137	190	241	250	138	86	90	49	192	355	625
27	92	141	184	226	246	129	103	78	54	204	388	595
28	88	136	187	213	251	139	190	59	53	217	492	560
29	84	137	179	196	264	177	171	64	63	214	550	535
30	82	136	172	185	-----	178	146	68	86	221	565	510
31	78	-----	180	179	-----	170	-----	68	-----	217	555	-----
TOTAL	6,734	3,862	4,092	7,780	9,355	5,453	3,395	4,263	3,763	3,501	7,830	19,061
MEAN	217	129	132	251	323	176	113	138	125	113	253	635
MAX	570	228	198	328	424	256	190	263	299	221	565	938
MIN	78	69	88	167	171	129	78	59	52	63	159	488
CFSM	.57	.34	.35	.66	.85	.46	.30	.36	.33	.30	.67	1.68
IN.	.66	.38	.40	.76	.92	.54	.33	.42	.37	.34	.77	1.87
CAL YR 1963	TOTAL 72,428			MEAN 198		MAX 913	MIN 40	CFSM .52		IN 7.11		
WAT YR 1964	TOTAL 79,089			MEAN 216		MAX 938	MIN 39	CFSM .57		IN 7.76		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	484	133	94	88	58	142	178	130	42	399	734	376
2	472	130	87	89	81	133	165	118	39	379	710	379
3	452	126	87	90	90	254	155	109	37	352	746	396
4	428	126	93	86	83	338	146	104	36	364	896	420
5	413	124	131	87	76	432	141	97	36	413	974	420
6	399	119	140	86	72	543	133	93	35	440	974	392
7	364	116	126	87	83	544	129	91	34	440	992	364
8	364	111	115	81	94	518	115	82	38	448	929	367
9	350	112	108	81	97	493	105	78	52	448	840	382
10	335	107	104	82	95	468	100	74	60	488	777	370
11	320	106	99	79	87	456	98	68	106	492	746	355
12	306	107	93	73	82	424	96	64	107	476	710	332
13	285	106	89	84	78	399	94	61	213	452	662	308
14	269	105	93	84	80	373	92	59	177	452	625	283
15	254	104	90	81	81	348	86	57	159	460	600	267
16	243	104	83	94	74	318	80	55	149	480	570	263
17	233	99	85	93	75	284	79	53	141	492	540	267
18	224	96	84	87	80	251	77	50	150	496	505	281
19	213	93	80	84	79	230	73	50	169	496	480	281
20	206	91	80	85	76	209	71	49	155	496	476	269
21	201	93	82	85	76	193	70	50	139	505	500	257
22	191	91	81	82	74	182	67	47	128	530	510	249
23	185	87	84	82	98	173	110	44	180	585	500	245
24	173	90	83	78	210	162	124	44	230	662	472	243
25	168	91	79	76	229	151	133	44	267	722	444	266
26	165	93	86	77	209	144	128	42	294	752	420	272
27	160	91	97	81	181	140	148	40	355	784	402	281
28	150	87	105	75	161	218	156	39	396	777	385	306
29	152	98	100	79	-----	197	142	38	413	764	373	385
30	147	98	96	71	-----	205	137	42	410	752	382	420
31	139	-----	93	66	-----	196	-----	44	-----	752	376	-----
TOTAL	8,445	3,134	2,947	2,553	2,861	9,139	3,448	2,016	4,827	16,568	19,250	9,696
MEAN	272	104	95.1	82.4	102	295	115	65.0	161	534	621	323
MAX	484	133	140	94	229	544	178	130	413	784	992	420
MIN	139	87	79	66	58	133	70	38	34	352	373	243
CFSM	.72	.28	.25	.22	.27	.78	.30	.17	.42	1.41	1.64	.85
IN.	.83	.31	.29	.25	.28	.90	.34	.20	.47	1.63	1.89	.95
CAL YR 1964	TOTAL 78,927			MEAN 216		MAX 938	MIN 39	CFSM .57		IN 7.74		
WAT YR 1965	TOTAL 84,884			MEAN 233		MAX 992	MIN 34	CFSM .61		IN 8.33		

Note --Shifting-control method used Jan 21 to Feb 23

## 2-2710 Stearns Creek near Lake Placid, Fla

Location --Lat 27°19'22", long 81°25'09", in NE 1/4 sec 28, T 36 S, R 29 E, near right bank 100 ft upstream from county bridge, 250 ft downstream from Lake June-in-Winter, 1.0 mile upstream from Lake Francis, and 3.6 miles northwest of town of Lake Placid, Highlands County

Drainage area --44.0 sq mi

Records available --March 1955 to September 1965

Gage --Water-stage recorder Datum of gage is 65.38 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to May 24, 1955, at site on Lake June-in-Winter Since July 6, 1960, and Aug 18, 1955, to November 1958, auxiliary staff gage 50 ft downstream from stoplog control at same datum

Average discharge --10 years, 28.7 cfs (20,780 acre-ft per year)

Extremes --Maximum and minimum discharges for water years 1961-65 are contained in the following table

	Maximum				Minimum			
	Date	Daily discharge (cfs)	Date	Gage height (ft)	Date	Daily discharge (cfs)	Date	Gage height (ft)
1961	Oct 16, 1960	a 211	Mar 31, 1961	b 9.58	Apr 30, May 1, 1961	2.6	Oct 31, 1960	b 8.04
1962	Sept 24, 1962	121	Sept 23, 1962	b 9.48	Not determined	-	Mar 25, 1962	b 6.69
1963	Apr 28, 1963	141	Dec 30, 1962	b 9.69	Many days	0	May 1, 1963	b 8.15
1964	Sept 20, 1964	265	Sept 12, 1964	b 9.72	Nov 13-Jan 7, 1964	10	June 26, 1964	b 8.41
1964	Aug 20, 1965	63	Oct 5, 1964	b 9.25	Apr 8-Aug 9, 1965	10	May 30, 1965	b 7.78

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 286 cfs Oct 1, 1960, occurred on recession following crest of Sept 17, 1960

b Wind affected

1955-65 Maximum daily discharge, 431 cfs Sept 17, 1960, maximum gage height, 10.26 ft Sept 10, 1960 (wind affected), no flow Mar 23 to Apr 3, 1960, for many days in 1963, minimum daily gage height, 7.18 ft May 28, 29, 1962

Remarks --Records fair except those for periods of indefinite stage-discharge relation, which are poor Records do not include diversions through Placid-Huntley Canal into Josephine Creek Flow regulated by manipulation of stoplogs in sheet pile control 200 ft downstream by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	286	167	51	5.9	4.9	12	17	2.6	40	22	16	36
2	282	109	45	5.9	41	12	17	2.9	37	21	16	35
3	278	92	44	5.9	41	17	17	9.5	46	20	19	34
4	266	90	44	5.9	46	12	9.5	9.5	35	26	22	34
5	198	88	43	5.9	45	12	10	7.2	31	31	22	32
6	148	88	43	5.9	46	12	11	7.2	27	28	22	32
7	128	81	44	5.9	45	9.8	12	7.2	23	28	21	32
8	166	79	44	5.9	45	8.6	12	7.2	22	25	18	28
9	178	63	42	8.2	45	5.6	11	7.2	22	23	20	28
10	169	26	45	8.2	42	5.6	11	7.2	20	37	29	28
11	189	29	47	8.2	41	5.4	12	6.8	17	40	31	29
12	176	32	43	12	41	5.4	12	5.6	29	42	30	28
13	185	34	39	52	41	7.0	12	18	28	34	27	26
14	208	35	38	57	40	7.5	11	26	26	19	25	25
15	210	40	40	46	40	7.5	11	26	26	19	25	23
16	211	43	42	39	38	7.5	9.5	23	35	15	25	21
17	200	46	42	38	37	7.5	7.2	16	30	13	23	21
18	189	49	27	34	37	7.5	6.8	16	28	24	23	20
19	200	51	9.9	32	36	7.5	6.8	15	27	34	22	19
20	194	52	9.9	30	36	14	5.2	24	26	33	22	18
21	183	52	8.2	30	36	13	4.0	30	26	30	20	18
22	189	53	7.5	37	36	10	4.0	27	24	30	22	16
23	191	55	7.2	49	35	9.8	4.0	27	24	27	31	15
24	179	55	6.5	50	33	9.2	4.0	27	23	27	32	14
25	170	55	6.3	50	33	9.2	4.0	27	26	26	32	13
26	167	56	6.3	50	23	8.6	3.9	28	28	26	32	12
27	156	58	6.3	49	14	7.5	3.6	27	29	23	34	11
28	157	58	6.3	46	12	7.5	3.2	28	27	22	32	11
29	159	58	6.3	46	-----	6.6	3.2	50	27	22	32	11
30	157	56	6.3	46	-----	6.6	2.6	51	25	20	34	11
31	161	-----	6.3	46	-----	6.6	-----	46	-----	19	38	-----
TOTAL	5940	1850	859.3	910.3	1050	273.0	257.5	612.1	824	806	797	681
MEAN	192	61.7	27.7	29.4	37.5	8.81	8.58	19.7	27.5	26.0	25.7	22.7
MAX	286	167	51	57	46	14	17	51	40	42	38	36
MIN	140	26	6.3	5.9	12	5.4	2.6	2.6	17	13	16	11
CFSM	4.35	1.40	6.3	6.7	85	20	20	4.5	62	59	58	52
IN.	5.02	1.56	7.3	7.7	89	23	22	52	70	68	67	58

CAL YR 1960 TOTAL 36,044.40

MEAN 98.5

MAX 431

MIN 0

CFSM 2.24

IN 30.47

WAT YR 1961 TOTAL 14,866.7

MEAN 40.7

MAX 286

MIN 2.6

CFSM .93

IN 12.56

## 2-2710 Stearns Creek near Lake Placid, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11								.10	71	34	70
2	11								.10	110	32	70
3	5.5								.10	105	31	70
4	2.0								.10	98	30	67
5	1.6								.20	91	28	64
6	1.3								.30	86	30	60
7	1.2								.50	81	37	60
8	1.0								.70	74	40	67
9	1.0								.90	74	37	65
10	.80								1.1	81	34	64
11	.80		0.5						1.1	89	35	62
12	.60								1.2	86	34	59
13	.60								1.2	82	34	56
14	.60								1.4	81	41	54
15	.60								1.2	81	51	51
16	.60	0.5		0.3	0.3	0.2	0.2	0.1	1.2	77	51	46
17	.60								1.6	72	54	45
18	.60								2.1	69	54	44
19									7.8	67	53	42
20									8.0	65	51	46
21	50								8.2	62	46	98
22									7.8	59	45	109
23									7.8	56	44	118
24	8.5								7.8	51	42	121
25									10	46	41	118
26			4						10	42	40	114
27									10	40	40	109
28	50								10	38	40	105
29									11	35	44	98
30									15	32	62	96
31										32	67	-----
TOTAL	55.83	15.00	14.40	9.30	8.40	6.20	6.00	5.10	128.50	2,133	1,302	2,248
MEAN	1.80	.50	.46	.30	.30	.20	.20	.10	4.28	68.8	42.0	74.9
MAX	11	-	-	-	-	-	-	-	15	110	67	121
MIN	-	-	-	-	-	-	-	-	.10	32	28	42
CFSM	.04	.01	.01	.007	.007	.005	.005	.002	.10	1.56	.95	1.70
IN.	.05	.01	.01	.008	.007	.005	.005	.003	.11	1.80	1.10	1.90

CAL YR 1961	TOTAL 8,296.60	MEAN 17.3	MAX 57	MIN -	CFSM .39	IN 5.32
WAT YR 1962	TOTAL 5,929.70	MEAN 16.2	MAX 121	MIN -	CFSM .37	IN 5.01

Note --Stage-discharge relation indefinite Oct 25 to June 9

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	36	2.7	.10	8.4	46	101	0	.70	3.0	0	1.0	.80
2	93	.70	.10	7.7	42	101	0	.70	3.0	0	1.0	.80
3	91	.30	0	7.7	42	92	0	.70	1.9	0	1.0	.80
4	89	.20	.10	7.1	34	86	0	.70	.50	0	1.0	.70
5	88	.10	.10	11	9.0	62	0	.60	.40	0	1.0	.70
6	86	10	.20	19	8.4	81	0	.70	.40	0	1.0	.70
7	82	0	.10	20	5.8	80	0	.70	.40	0	1.0	.70
8	79	.20	.10	20	5.3	69	.20	.70	.40	0	1.0	1.0
9	74	7.9	.10	20	4.8	63	.50	.60	.30	0	1.0	.80
10	72	9.5	0	20	4.6	62	.70	.80	.40	0	1.0	.80
11	70	7.5	0	20	4.8	58	.70	.90	.40	0	1.0	.80
12	69	4.1	0	20	9.8	57	.70	.80	.20	0	1.0	.80
13	65	4.1	0	20	9.8	56	.70	.80	.20	0	1.0	.70
14	49	3.3	0	21	9.0	50	.40	.80	.10	0	1.0	.60
15	28	1.6	0	22	8.4	47	0	.80	.20	0	1.0	.50
16	22	1.4	0	22	23	45	0	.80	.60	0	1.0	.50
17	20	.90	0	21	40	42	0	.80	.60	0	1.0	.40
18	18	.80	0	24	40	39	0	.80	.60	0	1.0	.40
19	15	.70	0	31	44	35	0	.30	.60	0	1.0	.40
20	14	.70	0	31	43	35	0	.30	.60	0	1.0	.40
21	12	.70	0	32	40	32	0	.20	.60	0	1.0	.30
22	12	1.2	2.6	32	39	28	0	.70	.60	0	1.0	.40
23	14	.70	5.8	30	36	25	0	.20	.40	0	1.0	3.6
24	9.8	.70	7.7	27	32	11	0	.20	.10	0	1.0	3.6
25	4.1	.40	9.0	34	32	0	0	0	.10	0	1.0	3.2
26	3.2	.30	11	63	38	0	0	0	.10	0	1.0	3.0
27	3.8	.20	11	58	48	0	97	.70	.10	0	1.0	3.0
28	4.4	.10	11	56	65	0	141	.6.4	.10	0	1.0	3.9
29	4.7	.10	11	51	-----	0	91	3.0	.10	0	.80	5.1
30	4.7	.10	9.0	51	-----	0	3.4	2.0	.10	83	.80	2.6
31	4.7	-----	9.0	47	-----	0	-----	3.0	-----	1.0	.80	-----
TOTAL	1,297.4	51.00	48.00	853.9	763.7	1,377	336.30	29.80	17.10	84.0	30.40	42.00
MEAN	41.9	1.70	2.84	27.5	27.3	44.4	11.2	.96	57	2.71	.98	1.40
MAX	96	9.5	11	63	65	101	141	6.4	3.0	83	1.0	5.1
MIN	3.2	0	0	7.1	4.6	0	0	.10	.10	0	.80	.30
CFSM	.95	.04	.06	.63	.62	1.01	.25	.02	.01	.06	.02	.03
IN.	1.10	.04	.07	.72	.65	1.16	.28	.03	.01	.07	.03	.04

CAL YR 1962	TOTAL 7,286.90	MEAN 19.9	MAX 121	MIN 0	CFSM .45	IN 6.15
WAT YR 1963	TOTAL 4,970.60	MEAN 13.6	MAX 141	MIN 0	CFSM .31	IN 4.20

Note --Stage-discharge relation indefinite July 31 to Aug 28

## 2-2710 Stearns Creek near Lake Placid, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.0	.20	.10	.10	5.8	20	1.0	.20	.20	.20	.20	1.3
2	2.0	.20	.10	.10	5.8	20	1.0	.20	.20	.20	.20	1.3
3	1.9	.20	.10	.10	4.9	21	.70	.20	.20	.20	.20	1.9
4	1.4	.20	.10	.10	9.4	23	.20	.20	.20	.20	.20	4.9
5	.80	.20	.10	.10	26	21	.40	.20	.20	.20	.20	4.9
6	.70	.20	.10	.10	40	19	.40	.20	.20	.20	.20	4.0
7	.50	.20	.10	.10	40	19	.20	.20	.20	.20	.20	2.4
8	.20	.20	.10	1.3	40	19	.20	.20	.20	.20	.30	1.3
9	.20	.20	.10	2.4	38	18	.20	.20	.20	.20	.80	.40
10	.20	.20	.10	1.9	37	17	.20	.20	.20	.20	1.0	23
11	.20	.20	.10	1.9	36	15	.20	.20	.20	.20	2.7	32
12	.20	.20	.10	4.9	32	14	.20	.20	.20	.20	2.3	43
13	.20	.10	.10	4.9	30	13	.20	.20	.20	.20	2.3	61
14	.20	.10	.10	4.0	28	13	.20	.20	.20	.20	3.4	69
15	.20	.10	.10	2.4	28	12	.20	.20	.20	.20	3.4	77
16	.20	.10	.10	3.2	25	11	.20	.20	.20	.20	3.4	75
17	.20	.10	.10	1.3	25	10	.20	.20	.20	.20	4.5	69
18	.20	.10	.10	4.9	26	12	.20	.20	.20	.20	5.2	63
19	.20	.10	.10	4.9	26	11	.20	.20	.20	.20	6.2	155
20	.20	.10	.10	4.9	25	8.5	.20	.20	.20	.20	9.0	265
21	.20	.10	.10	4.9	23	6.7	.20	.20	.20	.20	9.5	239
22	.20	.10	.10	5.8	21	4.9	.20	.20	.20	.20	15	216
23	.20	.10	.10	5.8	19	3.2	.20	.20	.20	.20	24	89
24	.20	.10	.10	7.6	19	2.4	.20	.20	.20	.20	25	10
25	.20	.10	.10	7.6	20	2.4	.20	.20	.20	.20	26	11
26	.20	.10	.10	7.6	18	1.6	.20	.20	.20	.20	202	10
27	.20	.10	.10	6.7	19	1.6	.20	.20	.20	.20	214	11
28	.20	.10	.10	7.6	20	1.9	.20	.20	.20	.20	114	12
29	.20	.10	.10	6.7	20	4.0	.20	.20	.20	.20	1.6	12
30	.20	.10	.10	6.7	20	2.4	.20	.20	.20	.20	1.9	10
31	.20	.10	.10	6.7	20	1.3	.20	.20	.20	.20	1.6	10
TOTAL	14.10	4.20	3.10	120.00	706.9	351.9	8.50	6.20	6.00	6.20	680.50	1,574.40
MEAN	.45	.14	.10	3.87	24.4	11.4	.28	.20	.20	.20	22.0	52.5
MAX	2.0	.20	.10	7.6	40	23	1.0	.20	.20	.20	214	265
MIN	.20	.10	.10	1.0	4.9	1.3	.20	.20	.20	.20	.20	.40
CFSM	.01	.003	.002	.09	.26	.006	.005	.005	.005	.005	.19	.57
IN.	.01	.004	.003	.10	.60	.30	.007	.005	.005	.005	.58	1.33

CAL YR 1963 TOTAL 3,555.60 MEAN 9.74 MAX 121 MIN 0 CFSM .22 IN 3.81  
 MAY YR 1964 TOTAL 3,482.00 MEAN 9.51 MAX 265 MIN 0 CFSM .22 IN 3.81

Note --Stage-discharge relation indefinite Oct 24 to Jan 7, Apr 7 to Aug 7

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	9.1	2.8	1.5	1.0	.60	.20	.10	.10	.10	.10	36
2	11	3.7	2.8	1.5	1.0	.60	.20	.10	.10	.10	.10	34
3	12	3.7	2.7	1.5	1.0	.60	.20	.10	.10	.10	.10	34
4	11	3.7	2.7	1.4	.90	.60	.20	.10	.10	.10	.10	30
5	10	3.7	2.6	1.4	.90	.50	.20	.10	.10	.10	.10	28
6	10	3.7	2.6	1.4	.90	.50	.20	.10	.10	.10	.10	26
7	7.8	3.7	2.5	1.3	.90	.50	.20	.10	.10	.10	.10	18
8	6.9	3.7	2.4	1.3	.90	.50	.20	.10	.10	.10	.10	18
9	18	3.7	2.4	1.3	.90	.50	.10	.10	.10	.10	.10	21
10	38	3.7	2.4	1.2	.90	.50	.10	.10	.10	.10	16	20
11	36	3.7	2.3	1.2	.90	.40	.10	.10	.10	.10	58	22
12	36	3.7	2.2	1.2	.90	.40	.10	.10	.10	.10	61	22
13	34	3.7	2.2	1.2	.80	.40	.10	.10	.10	.10	59	21
14	34	3.7	2.2	1.2	.80	.40	.10	.10	.10	.10	40	20
15	32	3.7	2.1	1.2	.80	.40	.10	.10	.10	.10	26	20
16	30	3.7	2.1	1.2	.80	.40	.10	.10	.10	.10	36	20
17	28	3.7	2.0	1.2	.80	.40	.10	.10	.10	.10	46	23
18	27	3.7	2.0	1.2	.80	.30	.10	.10	.10	.10	44	22
19	26	3.7	2.0	1.2	.70	.30	.10	.10	.10	.10	48	22
20	24	3.6	1.9	1.2	.70	.30	.10	.10	.10	.10	63	21
21	22	3.5	1.9	1.1	.70	.30	.10	.10	.10	.10	59	20
22	21	3.4	1.8	1.1	.70	.30	.10	.10	.10	.10	54	19
23	20	3.4	1.8	1.1	.70	.30	.10	.10	.10	.10	44	18
24	19	3.3	1.8	1.1	.70	.30	.10	.10	.10	.10	34	17
25	19	3.2	1.7	1.1	.60	.30	.10	.10	.10	.10	32	22
26	19	3.2	1.7	1.1	.60	.20	.10	.10	.10	.10	30	24
27	18	3.1	1.6	1.1	.60	.20	.10	.10	.10	.10	28	32
28	18	3.0	1.6	1.0	.60	.20	.10	.10	.10	.10	30	35
29	18	3.0	1.6	1.0	.60	.20	.10	.10	.10	.10	34	40
30	17	2.9	1.6	1.0	.60	.20	.10	.10	.10	.10	38	42
31	15	2.9	1.5	1.0	.60	.20	.10	.10	.10	.10	37	42
TOTAL	647.7	111.3	65.5	37.5	22.50	11.80	3.70	3.10	3.00	3.10	917.90	748
MEAN	20.9	3.71	2.11	1.21	.80	.38	.12	.10	.10	.10	29.6	24.9
MAX	38	9.1	2.8	1.5	1.0	.60	.20	.10	.10	.10	63	42
MIN	6.9	2.9	1.5	1.0	.60	.20	.10	.10	.10	.10	.10	17
CFSM	.67	.08	.05	.03	.02	.009	.003	.003	.003	.003	.67	.57
IN.	.55	.09	.06	.03	.02	.01	.003	.003	.003	.003	.78	.63

CAL YR 1964 TOTAL 4,285.10 MEAN 11.7 MAX 265 MIN 0 CFSM .27 IN 3.62  
 MAY YR 1965 TOTAL 2,575.10 MEAN 7.06 MAX 63 MIN 0 CFSM .16 IN 2.18

Note --Stage-discharge relation indefinite Nov 2 to Aug 9

## 2-2715 Josephine Creek near De Soto City, Fla

Location --Lat 27°22'26", long 81°23'37", in SE<sup>1</sup> sec 2, T 36 S, R 29 E, on left bank 320 ft downstream from bridge on State Highway 17, 1 mile downstream from Jack Creek, and 4 miles south of De Soto City, Highlands County

Drainage area --109 sq mi (excludes area drained by Lake Sebring)

Records available --October 1946 to September 1965

Gage --Digital water-stage recorder Datum of gage is 52.99 ft above mean sea level, datum of 1929 (State Road Department bench mark) Prior to May 21, 1952, graphic water-stage recorder at site half a mile upstream at datum 0.89 ft higher May 21, 1952, to Apr 28, 1965, graphic water-stage recorder at present site and datum

Average discharge --19 years, 102 cfs (73,840 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 1961	a 366	b 7.71	May 24, 1961	11	c 4.12
1962	Sept 23, 1962	e 183	f 6.17	Apr 27, May 22-25, 1962	2.6	d 2.30
1963	Mar 4, 1963	e 183	f 6.17	May 15, 1963	7.0	e 2.77
1964	Sept 24, 1964	223	6.12	June 27, 1964	8.2	f 2.64
1965	Aug 11, 12, 1965	h 124	1.632	Apr 21, 1965	1.8	j 2.56

a Maximum peak discharge, maximum discharge during year, 824 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

c Affected by pumpage

d Occurred Apr 26, 1962 (affected by pumpage)

e Maximum peak discharge, maximum discharge during year, 243 cfs Oct 1, 1962, stage falling

f Occurred Oct 1, 1962

g Occurred May 20, 1963 (affected by pumpage)

h Maximum peak discharge, maximum discharge during year, 182 cfs, Sept 30, 1965, stage rising

i Occurred Sept 30, 1965

j Occurred Apr 9, 13, 1965

1946-65 Maximum discharge, 1,780 cfs Sept 23, 1948 (gage height, 11.56 ft, site and datum then in use), minimum, 0.30 cfs May 22, 1956 (affected by pumpage), minimum gage height, 1.49 ft Apr 8, 1956 (affected by pumpage)

Remarks --Records good except those for the 1961 and 1965 water years, which are fair, and those for periods of no gage-height record or indefinite stage-discharge relation, which are poor. Divisions for irrigation of citrus groves above station during dry periods

Revisions --WSP 1384 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	808	324	74	47	149	59	45	32	68	59	52	77
2	776	318	68	45	147	54	40	32	66	60	51	77
3	738	309	65	42	144	51	37	30	64	61	55	76
4	704	294	63	40	149	49	36	30	61	69	58	73
5	596	262	61	38	142	46	34	27	58	71	57	71
6	506	270	61	38	135	44	32	27	58	72	55	69
7	486	255	61	38	137	44	34	27	56	73	53	67
8	500	243	60	38	149	42	34	24	54	72	53	65
9	493	234	60	48	144	40	32	24	53	73	56	66
10	493	223	69	53	137	35	32	28	50	82	61	77
11	489	208	76	49	130	33	30	77	54	87	60	78
12	483	194	83	47	123	32	30	26	71	91	60	75
13	469	170	85	198	120	39	32	24	70	88	59	73
14	462	156	81	300	114	82	30	24	67	84	58	69
15	452	147	83	240	113	69	29	20	72	79	58	67
16	446	136	100	208	111	60	29	18	77	73	59	65
17	436	127	96	191	106	56	28	18	71	70	60	63
18	426	121	92	174	104	56	27	19	69	67	59	60
19	414	116	76	159	104	76	26	16	65	66	58	59
20	405	108	61	131	102	66	81	15	65	66	56	57
21	399	103	58	142	97	48	89	15	65	64	54	55
22	390	98	55	135	92	44	86	13	59	64	56	54
23	361	94	51	135	88	41	80	12	58	64	67	52
24	372	92	49	139	86	39	76	11	54	63	68	50
25	360	90	48	142	84	37	73	14	53	62	67	48
26	351	88	47	139	78	35	66	24	53	60	70	47
27	345	85	47	139	70	34	41	25	56	59	71	45
28	333	81	47	135	62	32	37	24	58	58	68	43
29	327	81	47	130	-----	32	35	51	58	56	71	42
30	318	81	47	127	-----	31	35	66	58	55	80	41
31	312	-----	46	142	-----	30	-----	68	-----	52	79	-----
TOTAL	14,470	5,128	2,017	3,642	3,221	1,436	1,316	811	1,841	2,120	1,889	1,861
MEAN	467	171	65.1	118	115	46.3	43.3	26.2	61.4	68.4	60.9	62.0
MAX	808	324	100	300	149	82	89	68	77	91	80	78
MIN	312	81	46	38	62	30	26	11	50	52	51	41
CFSM	4.28	1.57	.60	1.08	1.06	.42	.40	.24	.56	.63	.56	.57
IN.	4.94	1.75	.69	1.25	1.10	.49	.45	.28	.63	.72	.64	.63

CAL YR 1960 TOTAL 91,807 MEAN 256 MAX 1,050 MIN 30 CFSM 2.35 IN 32.01  
WAT YR 1961 TOTAL 39,759 MEAN 109 MAX 808 MIN 11 CFSM 1.00 IN 13.57

Note --Stage-discharge relation not well defined subsequent to Apr 19

2-2715 Josephine Creek near De Soto City, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	18	14	13	6.9	4.7	8.5	2.9	2.8	181	79	126
2	39	17	14	12	6.9	4.3	8.6	2.8	3.6	147	82	126
3	38	17	15	12	6.9	4.6	7.8	2.8	4.8	139	82	127
4	37	15	14	12	7.2	4.8	7.0	2.7	9.1	144	78	129
5	35	17	13	11	7.0	4.7	6.4	2.8	8.8	147	76	129
6	34	17	13	12	7.2	4.6	6.1	4.7	11	148	76	127
7	32	17	14	14	7.0	4.8	8.3	4.4	13	147	79	132
8	31	16	13	13	6.7	4.6	10	4.1	12	148	84	144
9	30	15	13	13	6.7	4.6	8.6	3.8	11	153	88	137
10	29	15	14	12	8.3	4.4	8.0	3.4	11	156	85	130
11	28	16	12	12	8.5	4.6	7.5	3.6	12	154	85	123
12	27	17	12	12	7.2	4.4	7.0	3.6	18	159	89	119
13	27	15	12	12	7.0	4.1	6.9	4.0	17	154	98	114
14	29	14	13	12	7.0	4.0	6.9	3.4	16	153	101	111
15	28	14	12	11	7.2	3.8	6.7	3.1	15	154	134	107
16	27	14	14	11	6.9	4.0	6.2	3.1	19	152	126	104
17	26	15	13	11	6.9	4.4	5.8	2.9	25	146	119	101
18	26	15	12	11	7.0	4.6	5.8	2.8	23	141	118	97
19	26	16	12	11	6.9	4.3	5.6	2.7	21	136	119	94
20	26	14	12	9.5	6.5	4.0	5.3	2.8	20	129	115	97
21	25	14	12	8.9	6.2	3.8	4.7	2.7	24	123	112	156
22	24	13	12	8.5	6.2	3.1	4.8	2.6	49	117	113	244
23	23	17	13	8.1	6.2	3.3	4.4	2.6	86	112	111	266
24	23	19	13	7.7	5.8	3.8	3.6	2.6	97	106	106	264
25	22	17	13	7.3	5.4	3.7	3.4	2.6	94	103	102	264
26	21	16	12	7.3	5.6	19	3.0	2.9	97	102	106	260
27	20	16	12	8.1	5.3	12	2.6	3.4	104	96	103	258
28	20	15	12	8.8	4.8	8.9	2.7	4.6	112	89	102	257
29	21	15	12	7.8	-----	8.5	3.4	3.0	136	85	101	251
30	20	15	13	7.2	-----	7.8	3.3	2.8	158	82	105	244
31	19	-----	13	7.0	-----	7.3	-----	2.8	-----	79	117	-----
TOTAL MEAN	253.7	471.7	398.8	323.2	187.4	174.5	178.9	98.0	1,232.1	4,082.2	3,091.7	4,838.8
MAX	40	19	15	14	8.5	19	10	4.7	158	181	134	266
MIN	19	13	12	7.0	4.8	3.1	2.6	2.6	2.8	79	76	94
CFSM	2.25	1.14	1.12	1.10	0.06	0.05	0.05	0.03	0.38	1.21	0.91	1.48
IN.	2.29	1.16	1.14	1.11	0.06	0.06	0.06	0.03	0.42	1.39	1.05	1.65

CAL YR 1961 TOTAL 19,866 MEAN 54.4 MAX 300 MIN 11 CFSM .50 IN 6.78  
WAT YR 1962 TOTAL 15,927.1 MEAN 43.6 MAX 266 MIN 2.6 CFSM .40 IN 5.43

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	240	67	42	41	60	144	47	33	40	38	43	55
2	236	64	41	40	60	158	44	32	35	40	42	56
3	231	56	41	39	60	178	43	28	32	44	45	55
4	225	50	41	39	65	182	40	25	33	53	44	52
5	221	48	41	38	66	182	39	21	34	49	48	52
6	214	45	41	38	62	178	38	16	38	48	66	50
7	207	43	41	41	58	173	37	13	38	50	74	49
8	200	46	41	41	55	165	34	12	35	49	56	63
9	194	40	40	40	50	158	32	11	36	46	46	62
10	191	36	40	40	50	155	28	10	36	45	44	54
11	183	33	40	39	48	151	30	10	34	44	46	50
12	175	28	45	39	66	145	28	10	32	42	46	46
13	167	23	60	40	70	143	28	15	33	42	43	43
14	161	19	85	41	64	137	28	11	34	41	42	41
15	152	16	82	43	60	133	25	10	33	40	42	40
16	144	13	77	43	58	130	24	9.1	36	40	40	38
17	133	10	71	42	64	124	22	8.0	38	40	39	37
18	124	9	67	44	64	120	20	7.2	36	40	36	36
19	116	5	63	43	71	115	20	7.0	34	40	36	40
20	109	5	60	44	85	110	20	12	32	39	42	42
21	103	5	58	49	82	104	21	20	31	42	51	44
22	99	4	55	48	81	97	20	20	31	40	78	50
23	102	4	54	46	79	90	18	20	28	42	77	61
24	97	4	52	48	78	84	18	19	26	44	77	59
25	91	4	52	47	77	80	21	19	27	52	71	64
26	86	4	52	49	101	70	17	21	28	48	67	64
27	80	4	51	53	145	64	16	41	40	48	77	63
28	77	4	50	56	141	60	16	38	32	50	77	69
29	72	4	50	56	-----	56	25	38	32	48	73	67
30	70	4	49	58	-----	53	37	39	37	46	69	66
31	68	-----	44	59	-----	51	-----	41	-----	44	62	-----
TOTAL MEAN	4,568.1	1,736.1	1,626.2	1,384.4	2,022.2	3,790.2	836.2	614.3	1,001.3	1,374.4	1,699.8	1,568.8
MAX	240	107	85	59	145	182	47	41	40	53	78	69
MIN	68	42	40	38	48	51	16	7.0	26	38	36	36
CFSM	1.35	0.53	0.48	0.41	0.66	1.12	0.26	0.18	0.31	0.41	0.50	0.48
IN.	1.56	0.59	0.55	0.47	0.69	1.29	0.29	0.21	0.34	0.47	0.58	0.53

CAL YR 1962 TOTAL 22,135.1 MEAN 60.6 MAX 266 MIN 2.6 CFSM .56 IN 7.55  
WAT YR 1963 TOTAL 22,218.3 MEAN 60.9 MAX 240 MIN 7.0 CFSM .56 IN 7.58

Note --No gage-height record Nov 12 to Dec 18

2-2715 Josephine Creek near De Soto City, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	64	26	25	31	31	66	21	16	12	14	21	108
2	60	25	25	30	31	67	20	20	12	18	20	105
3	56	24	24	28	31	66	20	21	12	20	20	105
4	52	24	24	28	35	63	20	20	12	22	19	111
5	52	25	24	27	58	60	20	18	14	22	19	110
6	51	27	21	27	79	58	20	18	15	22	21	104
7	46	28	22	32	73	55	19	17	15	21	27	98
8	43	28	23	36	77	54	18	17	15	21	30	93
9	42	27	20	34	74	51	18	16	14	20	30	88
10	40	40	20	35	72	49	17	16	14	20	31	92
11	39	52	20	33	71	46	17	16	14	19	33	94
12	38	49	18	40	70	44	16	15	13	19	32	97
13	38	46	20	42	68	40	15	15	13	18	32	109
14	37	43	20	40	68	37	15	19	13	18	33	125
15	36	41	20	40	68	36	15	21	12	17	31	151
16	44	39	20	37	68	33	15	19	12	17	40	159
17	51	38	29	38	66	36	15	19	12	18	47	166
18	41	36	31	39	67	33	14	18	11	18	46	168
19	38	34	29	39	71	32	14	18	11	17	45	168
20	38	33	27	38	68	30	14	17	11	17	47	172
21	37	32	27	37	66	30	13	17	10	17	51	187
22	33	31	25	34	66	29	13	16	10	18	48	203
23	31	30	25	36	67	25	12	15	9.8	18	55	215
24	31	30	30	36	65	23	13	15	9.5	19	60	221
25	30	29	30	36	63	22	13	15	9.2	19	62	207
26	29	28	28	37	60	22	13	15	8.7	22	61	187
27	29	28	27	33	60	21	13	14	8.2	22	56	170
28	28	27	27	34	62	23	15	13	9.8	22	86	156
29	28	26	27	34	63	26	16	11	11	22	117	139
30	27	26	32	32	62	24	15	13	13	22	120	126
31	26	-----	31	32	-----	22	-----	12	-----	21	115	-----
TOTAL	1,235.8	972	766	1,075	1,818	1,223	479	512	356.2	600	1,455	4,234
MEAN	39.8	32.4	24.7	34.7	62.7	39.5	16.0	16.5	11.9	19.4	46.5	141
MAX	64	52	31	42	79	67	21	21	15	22	120	221
MIN	26	24	18	27	31	21	12	11	8.2	14	19	88
CFSM	.37	.30	.23	.32	.58	.36	.15	.15	.11	.18	.43	1.29
IN.	.42	.33	.26	.37	.62	.42	.16	.17	.12	.20	.50	1.44

CAL YR 1963 TOTAL 17,261.3 MEAN 47.3 MAX 182 MIN 7.0 CFSM .43 IN 5.89  
WAT YR 1964 TOTAL 14,725.2 MEAN 40.2 MAX 181 MIN 8.2 CFSM .37 IN 5.02

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	116	41	8.2	12	9.0	12	7.6	3.5	2.1	12	45	106
2	105	44	6.8	10	11	14	7.1	3.7	2.9	11	46	103
3	99	44	7.7	10	10	14	7.4	3.2	3.1	10	66	101
4	90	42	9.5	11	9.8	13	7.7	2.1	3.2	13	73	93
5	85	39	10	9.8	9.8	12	7.9	2.2	3.3	14	75	86
6	80	28	10	10	11	12	7.9	2.9	3.4	13	90	82
7	75	21	9.3	10	11	11	7.0	3.5	3.3	13	88	76
8	70	21	9.5	9.8	11	11	5.9	3.2	3.4	13	76	78
9	66	20	9.6	10	11	22	4.3	3.6	4.5	14	66	97
10	62	19	10	10	9.3	40	4.1	2.9	5.2	16	74	105
11	60	19	9.8	9.6	10	40	5.0	1.9	6.6	17	120	104
12	61	18	11	10	11	38	4.7	1.9	7.8	19	119	98
13	62	17	11	9.5	11	33	4.1	2.6	7.5	18	114	94
14	62	18	10	8.4	10	30	4.6	2.7	6.7	19	99	88
15	62	17	8.7	10	10	29	4.8	2.9	6.3	21	85	77
16	60	17	10	11	12	27	5.3	3.2	6.3	21	75	74
17	56	16	10	11	11	25	5.9	3.1	6.3	22	70	85
18	56	15	9.3	11	12	24	6.2	2.5	6.5	22	72	85
19	55	11	9.3	10	11	21	6.3	2.9	6.3	20	68	80
20	54	8.0	9.8	12	9.8	19	3.0	3.1	6.0	21	73	75
21	51	9.5	8.5	11	8.2	13	2.0	3.3	6.0	21	73	71
22	49	9.8	10	11	11	10	2.7	3.6	8.5	30	68	66
23	46	9.0	11	12	14	11	2.9	3.6	17	35	66	62
24	44	8.7	11	12	16	11	3.0	3.5	15	38	63	63
25	44	9.3	10	11	15	9.2	3.2	3.2	14	37	62	71
26	43	9.5	11	11	14	8.8	3.3	3.2	12	33	58	79
27	42	7.6	12	11	13	9.3	3.5	2.6	13	41	56	95
28	41	8.4	13	11	11	9.2	3.3	2.5	16	43	55	111
29	40	9.3	13	10	-----	9.0	3.3	2.3	14	40	59	146
30	38	9.0	12	9.3	-----	9.0	3.4	2.3	13	62	62	160
31	38	-----	12	9.2	-----	8.5	-----	2.2	-----	47	90	-----
TOTAL	1,912	565.1	313.0	323.6	313.4	555.0	147.4	89.9	229.2	739	2,306	2,711
MEAN	61.7	18.8	10.1	10.4	11.2	17.9	4.91	2.90	7.64	23.8	74.4	90.4
MAX	116	44	13	12	16	40	7.9	3.7	17	47	120	160
MIN	38	7.6	6.8	8.4	8.2	8.5	2.0	1.9	2.1	10	45	62
CFSM	.57	.17	.09	.10	.10	.16	.05	.03	.07	.22	.68	.83
IN.	.65	.19	.11	.11	.11	.19	.05	.03	.08	.25	.79	.92

CAL YR 1964 TOTAL 14,542.3 MEAN 39.7 MAX 221 MIN 6.8 CFSM .36 IN 4.96  
WAT YR 1965 TOTAL 10,204.6 MEAN 28.0 MAX 160 MIN 1.9 CFSM .26 IN 3.48



## 2-2720 Istokpoga Canal near Cornwell, Fla

Location (corrected) --Lat 27°23'56", long 81°09'45", in SE $\frac{1}{4}$  sec 30, T 35 S, R 32 E, on down-stream side near center of bridge on U S Highway 98, 100 ft downstream from Seaboard Air Line Railroad bridge  $\frac{1}{2}$  miles upstream from Kissimmee River, and  $\frac{1}{2}$  miles northwest of Cornwell, Highlands County

Drainage area --Indeterminate

Records available --October 1933 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Water-stage recorder Datum of gage is 29.71 ft above mean sea level (levels by Corps of Engineers) Prior to May 15, 1942, and Aug 19, 1949, to Mar 9, 1955, water-stage recorder and May 15, 1942, to Aug 19, 1949, staff gage, at site a quarter of a mile downstream at same datum Since June 3, 1953, auxiliary water-stage recorder  $\frac{1}{2}$  miles upstream

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	July 30, 1961	a 712	b 9.90	Sept 20, 25, 26, 1961	c 58	d 4.48
1962	Sept 1, 1962	368	e 6.51	June 3, 1962	17	3.66
1963	Oct 9, 1962	296	f 6.07	Apr 19, 1963	2.2	3.15
1964	Sept 13, 1964	717	g 7.25	July 13, 1964	4.6	3.25
1965	Sept 7, 1965	656	g 7.38	Sept 1-5, 10-30, 1965	2.0	h 3.27

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 2,100 cfs Oct 1, 1960 b Occurred Oct 1, 1960 c Minimum daily d Occurred Sept 26-30, 1961 (minimum daily) e Occurred Oct 1, 1962 f Occurred Sept 25, 1964 g Occurred Oct 15, 1964 h Occurred June 30, 1965

1933-65 Maximum daily discharge, 2,240 cfs Sept 25, 26, 1960, maximum gage height, 11.41 ft Oct 12, 1963, no flow May 22 to June 15, 1949, and many days during period February to June 1956, caused by temporary dams upstream, minimum gage height, 2.92 ft May 6-8, 1956

Remarks --Records fair except those for periods of indefinite stage-discharge relation, which are poor June 1949 to July 1962, slight regulation at low flow by manipulation of stoplogs in control above station, and some diversions at times during high water from Lake Istokpoga into Indian Prairie and Harney Pond Canals when levees on southeast shore of lake were overtopped or washed out Since July 21, 1962, flow from Lake Istokpoga regulated by control structure 68 on Canal 41A on southeast shore of lake, and minor diversion regulated above station in Istokpoga Canal Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,100	1,450	984	311	469	403	391	239	142	122	683	238
2	2,050	1,440	971	309	469	395	365	245	141	120	674	237
3	2,020	1,420	942	299	482	375	349	235	147	115	659	247
4	2,000	1,390	912	269	477	364	400	230	145	115	668	243
5	1,920	1,380	900	257	475	355	335	230	143	117	656	245
6	1,890	1,360	900	264	453	351	323	185	142	115	642	241
7	1,930	1,340	894	251	490	349	329	165	139	110	624	224
8	2,060	1,320	878	247	536	366	310	158	139	108	632	222
9	2,040	1,300	865	266	513	417	313	163	144	108	637	228
10	1,980	1,110	865	266	500	339	347	162	129	120	628	260
11	1,960	1,300	848	266	487	313	323	170	134	114	612	258
12	1,920	1,290	875	258	482	308	355	168	127	111	616	247
13	1,900	1,280	824	346	477	327	356	170	124	124	585	265
14	1,900	1,250	807	447	467	377	313	170	124	121	570	257
15	1,840	1,240	807	477	467	385	319	168	123	121	576	146
16	1,810	1,220	828	495	464	368	328	170	115	121	562	70
17	1,790	1,230	784	508	446	343	304	166	123	121	566	67
18	1,730	1,220	772	521	446	334	307	166	115	168	599	68
19	1,690	1,180	766	528	441	366	303	166	120	181	579	64
20	1,700	1,150	750	547	434	366	275	166	118	194	562	58
21	1,660	1,160	760	555	417	383	271	159	113	247	553	59
22	1,620	1,130	738	534	413	390	275	159	118	333	539	61
23	1,580	1,120	718	525	417	366	277	149	124	347	529	59
24	1,550	1,100	721	516	420	351	273	156	124	341	523	59
25	1,540	1,080	697	500	465	341	277	156	130	339	515	58
26	1,500	1,060	697	504	416	321	270	150	117	355	531	58
27	1,490	1,020	586	513	387	325	280	155	118	450	540	61
28	1,480	1,040	369	495	406	333	261	164	117	634	425	63
29	1,460	1,010	315	495	-----	333	258	164	122	698	257	60
30	1,440	986	313	482	-----	331	235	148	117	712	253	60
31	1,420	-----	311	469	-----	321	-----	159	-----	695	246	-----
TOTAL	54,960	36,776	23,407	12,721	12,816	10,995	9,322	5,420	3,831	7,677	17,244	4,483
MEAN	1,773	1,226	755	410	458	355	311	175	128	248	586	149
MAX	2,100	1,450	984	555	536	417	400	245	147	712	634	265
MIN	1,420	986	311	247	387	308	235	148	113	108	246	58
CAL YR 1960.	TOTAL 352,485			MEAN 963	MAX 2,240	MIN 266						
WAT YR 1961	TOTAL 199,652			MEAN 547	MAX 2,100	MIN 58						

## 2-2720 Istokpoga Canal near Cornwell, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	59	63	58	46	40	42	36	40	19	32	90	368
2	59	64	55	45	40	41	38	40	18	36	90	340
3	56	64	54	45	40	41	37	40	17	44	90	300
4	54	65	53	44	40	42	37	39	18	71	90	255
5	55	65	52	43	39	43	38	39	19	74	95	216
6	55	65	52	43	38	44	38	40	19	78	100	186
7	58	65	52	42	38	41	38	40	19	83	110	170
8	56	66	52	42	37	41	36	39	20	83	120	149
9	56	65	52	42	37	40	36	38	20	79	131	143
10	55	65	52	42	38	40	37	39	20	83	136	126
11	54	65	53	43	39	39	37	36	20	94	140	116
12	53	64	53	43	37	37	39	36	20	98	144	121
13	55	64	53	43	37	40	36	36	20	106	150	122
14	50	64	54	42	36	37	40	35	20	107	174	132
15	55	66	54	41	37	36	40	32	20	108	190	136
16	55	66	54	41	37	36	40	32	20	125	204	136
17	53	65	54	42	37	36	40	31	21	130	225	138
18	64	66	54	42	36	36	40	30	21	144	232	135
19	57	64	54	41	36	35	40	30	20	141	225	141
20	56	63	55	42	37	33	40	30	20	154	225	156
21	56	63	55	42	37	33	40	33	21	154	213	273
22	57	64	54	40	36	34	40	33	22	150	215	320
23	58	65	54	39	37	34	40	34	22	148	202	336
24	58	63	52	40	38	33	39	31	21	142	193	318
25	58	63	51	39	40	35	39	28	22	130	187	307
26	58	62	49	39	40	35	39	24	25	125	177	303
27	58	62	49	39	40	35	40	19	25	120	178	309
28	59	60	47	40	41	35	39	19	24	110	181	303
29	59	60	46	40	-----	35	40	19	25	105	177	275
30	62	59	46	40	-----	35	40	19	28	100	248	271
31	63	-----	46	40	-----	36	-----	19	-----	95	298	-----
TOTAL	1,755	1,913	1,618	1,292	1,066	1,157	1,163	1,000	626	3,249	5,230	6,602
MEAN	56.6	63.8	52.2	41.7	38.1	37.3	38.8	32.3	20.9	105	169	207
MAX	63	66	58	46	41	44	40	40	28	154	298	368
MIN	50	59	46	39	36	33	36	19	17	32	90	116
CAL YR 1961	TOTAL 89,795			MEAN 246	MAX 712	MIN 46						
WAT YR 1962	TOTAL 26,671			MEAN 73.1	MAX 368	MIN 17						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	260	45	9.7	9.1	5.7	28	120	4.0	5.7	7.9	14	13
2	246	44	9.4	27	5.2	28	112	3.3	5.7	7.9	15	14
3	241	41	9.4	29	5.7	28	104	4.7	6.3	8.2	14	13
4	248	39	8.8	28	6.5	28	100	4.0	5.5	8.2	13	13
5	272	38	8.2	28	6.5	28	88	3.8	12	8.2	12	12
6	269	38	7.9	30	6.8	28	80	3.3	69	8.5	13	13
7	283	45	7.9	38	6.8	28	88	3.5	75	7.9	12	13
8	291	82	8.2	20	6.5	28	57	3.3	76	8.2	12	13
9	296	109	8.2	6.8	6.5	28	39	3.8	81	9.1	12	13
10	294	113	8.2	6.5	6.8	28	12	3.5	88	9.4	13	13
11	215	112	7.9	6.5	6.5	28	7.9	3.8	94	8.8	13	13
12	142	113	8.2	6.5	7.9	28	3.5	3.5	91	9.7	14	13
13	140	116	8.2	6.3	6.3	28	3.8	3.5	88	9.4	14	13
14	141	100	7.9	6.5	6.5	28	3.8	3.3	86	9.7	13	14
15	140	75	7.7	6.8	6.5	28	4.0	3.1	86	11	13	14
16	152	56	7.7	6.8	6.8	22	3.8	2.9	83	11	12	13
17	154	57	7.7	6.5	6.8	24	3.3	3.1	87	11	11	13
18	175	54	7.7	6.0	6.8	28	3.1	3.3	78	11	11	14
19	177	14	7.7	6.0	7.9	72	2.9	3.3	75	11	11	14
20	175	13	7.7	5.7	7.1	140	2.7	3.5	70	11	11	14
21	175	13	7.4	6.8	6.0	133	3.1	3.5	71	12	11	14
22	175	12	7.1	6.5	6.3	116	3.1	3.5	65	13	11	15
23	175	12	6.8	6.3	6.5	99	3.3	3.5	67	12	11	15
24	174	11	7.1	6.3	5.5	81	3.1	4.7	68	12	11	18
25	174	11	6.8	6.3	5.7	72	3.5	4.5	6.8	13	12	24
26	174	11	6.8	6.3	7.9	69	3.5	4.3	7.7	12	13	26
27	173	11	6.8	6.0	28	62	3.3	4.7	8.2	13	13	26
28	174	10	7.1	6.0	28	53	3.1	6.0	8.5	14	13	26
29	120	10	7.1	6.0	-----	76	2.9	4.7	8.2	14	13	26
30	48	10	7.4	5.7	-----	144	2.9	5.0	8.2	15	13	31
31	46	-----	7.4	5.7	-----	131	-----	5.2	-----	15	13	-----
TOTAL	5,918	1,415	242.1	353.9	226.0	1,742	870.8	120.1	1,535.8	332.1	387	486
MEAN	191	47.2	7.81	11.4	8.07	56.2	29.0	3.87	51.2	10.1	12.5	16.2
MAX	296	116	9.7	38	28	144	120	6.0	94	15	15	31
MIN	46	10	6.8	5.7	5.2	22	2.7	2.9	5.5	7.9	11	12
CAL YR 1962	TOTAL 28,960.1			MEAN 79.3	MAX 368	MIN 6.8						
WAT YR 1963	TOTAL 13,628.8			MEAN 37.3	MAX 296	MIN 2.7						

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2720 Istokpoga Canal near Cornwell, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	37	14	12	9.7	38	89			9.5	6.4	9.0	458
2	37	13	12	8.8	37	88			9.4	6.3	9.0	446
3	36	13	12	8.5	36	88			9.3	6.2	9.0	430
4	36	13	12	7.7	43	88			9.2	6.1	9.8	216
5	40	13	12	7.9	62	98			9.1	6.0	10	
6	43	13	12	7.9	121	88			9.0	5.9	12	10
7	38	13	11	8.8	144	88		10	8.9	5.4	13	
8	42	13	11	9.7	160	88			8.8	5.6	13	192
9	40	13	11	10	138	88			8.7	5.4	13	650
10	18	17	11	11	137	62			8.6	5.9	14	656
11	14	14	11	11	138				8.5	5.6	17	588
12	14	16	11	13	134				8.4	5.1	16	636
13	13	14	11	58	128				8.3	4.8	23	717
14	13	14	10	119	128			114	8.2	5.1	34	688
15	13	14	10	111	126			207	8.0	5.4	29	694
16	13	14	10	102	128		10	247	7.9	6.7	31	677
17	13	14	12	104	117			242	7.8	5.4	34	660
18	13	14	11	105	125			208	7.7	5.4	32	638
19	14	14	11	99	144			187	7.6	5.4	39	633
20	14	14	11	96	114			169	7.5	5.4	61	633
21	14	14	11	86	105	10		152	7.4	5.9	68	638
22	14	14	11	81	103			125	7.3	7.1	59	655
23	16	14	11	76	108			103	7.2	5.6	62	654
24	15	13	10	68	88			97	7.1	5.9	68	636
25	14	14	10	67	90			91	7.0	6.3	78	345
26	14	14	9.7	60	90			43	6.9	8.6	243	
27	14	14	9.4	51	90			10	6.8	8.2	664	
28	14	13	9.4	51	100			9.9	6.7	9.8	647	10
29	14	13	9.1	42	91			9.8	6.6	17	519	
30	13	13	10	41	---			9.7	6.5	9.0	498	
31	14	---	11	28	---			9.6	---	9.0	469	---
TOTAL	656	414	335.6	1,559.0	3,063	1,075	300	2,164.0	239.9	198.9	3,804.8	12,620
MEAN	21.2	13.8	10.8	50.3	106	34.7	10.0	69.8	8.00	6.42	123	421
MAX	43	17	12	119	160	98	---	---	9.5	10	664	717
MIN	13	13	9.1	7.7	36	---	---	9.6	6.5	4.8	9.0	---

CAL YR 1963 TOTAL 7,459.3 MEAN 20.4 MAX 144 MIN 2 7  
 MAY YR 1964 TOTAL 26,430.2 MEAN 72.4 MAX 717 MIN -

Note --Stage-discharge relation indefinite Mar 7 to May 14, May 26 to July 5

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			16	63	36	35	50	18	15	6.7		
2			16	64	39	45	45	17	15	7.1		
3			15	66	34	40	42	17	15	7.8		2.0
4			17	58	34	50	38	16	15	8.6		
5		10	16	58	32	52	36	15	15	9.4		
6			16	58	34	53	33	14	15	13		369
7		10	15	55	37	111	31	14	15	13		656
8			15	54	38	134	28	12	17	13		398
9			15	55	37	138	27	12	14	13		261
10		33	16	56	37	138	27	12	9.0	14		
11		26	16	53	36	134	36	11	9.4	15		
12		25	16	52	38	124	26	11	9.0	17		
13		23	17	54	40	117	25	12	8.2	21		
14	446	23	18	50	45	113	25	14	8.2	28		
15	362	22	18	52	38	109	24	14	8.6	38		
16		22	18	61	38	103	23	14	8.6	34		
17		22	18	59	40	95	22	15	8.2	29		
18		22	19	51	43	87	21	15	8.2	23		
19		21	20	46	45	83	20	15	7.8	18		2.0
20		19	20	44	45	80	19	15	8.2	15		
21		19	20	44	46	77	19	15	8.2	11		
22		19	20	42	47	72	19	16	7.5	9.4		
23		18	20	42	53	66	19	16	6.7	8.0		2.5
24		17	19	47	68	64	21	16	7.5	7.0		
25		17	19	46	83	60	21	16	8.2	6.3		
26		16	21	46	42	57	20	16	6.7	5.8		
27		16	21	48	38	60	20	16	6.7	5.4		
28		15	28	43	37	67	19	16	6.7	5.0		
29		15	64	43	---	62	19	15	6.7	4.8		
30		15	64	44	---	56	19	17	6.3	4.7		
31		---	63	50	---	52	---	15	---	4.5		
TOTAL	1,098	515	695	1,606	1,180	2,528	795	457	300.6	415.5	92.5	1,736.0
MEAN	35.4	17.2	22.4	51.8	42.1	81.5	26.5	14.7	10.0	13.4	2.98	57.9
MAX	446	33	64	83	83	138	50	17	10	17	---	656
MIN	---	---	15	42	32	35	19	11	6.3	4.5	---	---

Note --Stage-discharge relation indefinite Aug 1 to Sept 5

2-2725 Kissimmee River near Basinger, Fla

Location (revised) --Lat 27°21'52", long 81°03'07", in SW $\frac{1}{4}$  sec 5, T 36 S, R 33 E, on upstream side of bridge on U S Highway 98, 2 miles southwest of Basinger post office, Okeechobee County, and 10 $\frac{1}{2}$  miles downstream from Istokpoga Canal

Records available --October 1948 to September 1951 (published as "near Cornwell"), October 1962 to September 1964 (discontinued) Gage-height records collected at site 1,000 ft downstream April 1928 to January 1931 are contained in reports or files of the Everglades Drainage District and June 1931 to June 1959 in files of the Geological Survey

Gage --Wire-weight gage read twice daily Datum of gage is at mean sea level (Corps of Engineers bench mark) Prior to Oct 1, 1962, staff gage at site 1,000 ft downstream at datum 24 64 ft higher

Extremes --1962-63 Maximum daily discharge during year, 2,820 cfs Oct 1 (stage falling), peak occurred Sept 26, 1962, maximum peak discharge during year, 1,540 cfs Sept 28 (gage height, 29 00 ft), maximum daily gage height, 31 20 ft (estimated) Oct 1, minimum discharge observed, 239 cfs Feb 10 (gage height, 24 65)

1963-64 Maximum discharge during year, 3,000 cfs Sept 25, maximum gage height, 30 04 ft Mar 5, minimum discharge, 422 cfs July 21 (gage height, 22 80 ft)

1948-51, 1962-64 Maximum discharge observed, 16,800 cfs Oct 5-7, 1948, from rating curve extended above 4,000 cfs, maximum gage height observed, 35 45 ft, present datum, Oct 6, 1948, minimum discharge observed, 239 cfs Feb 10, 1963, minimum gage height, 22 80 ft July 21, 1964

1952-59 Maximum gage height observed, 36 12 ft, present datum, Oct 12, 13, 1953, minimum gage height observed, 22 88 ft, present datum July 28, 1956

Flood in August 1928, resulting from hurricane, reached a stage of 35 9 ft, present datum

Remarks --Records fair except those for periods of shifting control which are poor Since July 21, 1962, major flow from Lake Istokpoga diverted through control structure 68 on Canal 41A on south-east shore of lake Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,820	410	384	277	260	902	636	426	460	919	466	436
2	2,700	402	368	301	254	960	653	436	486	822	460	434
3	2,580	377	356	304	256	1,000	630	472	492	749	468	454
4	2,460	388	356	301	260	1,040	600	470	528	707	464	452
5	2,340	379	342	301	257	1,080	602	456	546	662	456	438
6	2,220	377	342	300	276	1,130	592	450	564	622	452	430
7	2,100	370	336	300	273	1,150	584	442	552	588	440	422
8	1,980	377	344	298	273	1,140	572	432	544	560	432	420
9	1,860	496	341	283	260	1,110	556	420	584	540	432	414
10	1,790	575	330	280	247	1,130	536	412	584	520	444	412
11	1,720	670	330	276	260	1,070	520	409	584	516	458	409
12	1,650	698	336	268	280	1,000	500	401	576	510	468	403
13	1,600	724	323	264	307	960	502	407	554	516	464	405
14	1,460	721	323	260	377	889	492	401	540	510	448	399
15	1,310	718	339	260	420	838	468	386	526	524	438	393
16	1,140	675	331	268	428	760	486	380	512	524	428	401
17	974	612	314	268	448	760	468	375	506	528	418	410
18	828	549	306	277	441	733	476	371	504	548	405	416
19	772	496	306	271	468	707	470	366	488	544	428	434
20	724	448	298	263	530	730	460	366	476	528	444	472
21	695	416	298	260	583	738	450	359	460	526	464	500
22	670	441	296	256	628	725	448	350	452	528	508	544
23	644	437	296	268	644	696	444	347	436	528	524	584
24	656	432	295	268	644	662	444	345	422	530	512	624
25	606	420	295	268	606	653	438	382	393	532	488	772
26	596	408	286	267	602	636	450	393	412	524	474	1,020
27	588	396	271	277	736	620	452	386	490	502	494	1,360
28	554	404	280	266	828	608	452	403	596	494	496	1,530
29	522	400	286	268	-----	598	446	420	841	478	480	1,480
30	472	396	280	282	-----	649	432	424	967	468	464	1,440
31	426	-----	283	280	-----	658	-----	446	-----	476	448	-----
TOTAL	41,457	14,612	9,871	8,580	11,846	26,332	15,299	12,533	16,075	17,523	14,265	18,308
MEAN	1,337	487	318	277	423	849	510	404	536	565	460	610
MAX	2,820	724	384	304	628	1,150	653	472	967	919	524	1,530
MIN	426	370	271	256	247	598	432	345	393	468	405	393
AC-FT	82,230	28,980	19,580	17,020	23,500	52,230	30,350	24,860	31,880	34,760	28,290	36,310

CAL YR 1962 TOTAL MEAN MAX MIN AC-FT  
WAT YR 1963 TOTAL 206,701 MEAN 566 MAX 2,820 MIN 247 AC-FT 410,000

## 2-2725 Kissimmee River near Basinger, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,380	454	600	715	860	2,720	1,880	1,600	1,370	993	619	1,580
2	1,280	449	595	705	860	2,700	1,850	1,650	1,350	962	611	1,610
3	1,210	440	595	700	872	2,700	1,820	1,630	1,340	949	603	1,650
4	1,150	449	595	695	900	2,720	1,780	1,630	1,490	909	594	1,690
5	1,130	444	595	700	968	2,720	1,770	1,610	1,480	887	569	1,730
6	1,090	461	598	690	1,060	2,720	1,740	1,600	1,480	799	556	1,760
7	1,060	476	600	705	1,210	2,720	1,740	1,580	1,490	738	535	1,790
8	1,010	471	595	735	1,500	2,710	1,710	1,560	1,490	702	569	1,810
9	965	473	595	748	1,760	2,660	1,690	1,530	1,500	650	716	1,870
10	888	514	595	742	1,990	2,590	1,660	1,520	1,500	590	760	2,230
11	800	620	590	740	2,200	2,540	1,630	1,490	1,550	556	733	2,480
12	735	648	592	760	2,410	2,490	1,600	1,470	1,480	540	689	2,510
13	680	658	592	790	2,560	2,420	1,560	1,460	1,420	506	645	2,560
14	638	668	592	805	2,660	2,380	1,530	1,500	1,380	493	746	2,630
15	610	678	595	830	2,680	2,340	1,510	1,530	1,340	472	804	2,630
16	590	680	595	838	2,660	2,290	1,500	1,590	1,320	456	808	2,630
17	575	670	615	848	2,580	2,300	1,470	1,660	1,280	498	865	2,600
18	565	658	655	862	2,550	2,260	1,460	1,710	1,260	514	949	2,570
19	555	630	645	865	2,590	2,240	1,430	1,730	1,220	481	1,090	2,480
20	540	612	660	875	2,550	2,200	1,410	1,720	1,200	447	1,160	2,520
21	526	605	660	870	2,480	2,170	1,390	1,700	1,160	422	1,250	2,610
22	514	598	660	865	2,420	2,140	1,380	1,660	1,140	451	1,330	2,700
23	507	590	655	868	2,400	2,100	1,370	1,640	1,120	523	1,370	2,760
24	500	582	668	862	2,410	2,070	1,360	1,670	1,090	493	1,350	2,920
25	497	585	640	865	2,370	2,030	1,420	1,620	1,070	472	1,330	2,990
26	497	612	658	865	2,450	2,020	1,420	1,610	1,050	561	1,330	2,970
27	483	640	660	862	2,500	2,000	1,410	1,560	1,070	565	1,360	2,880
28	478	645	660	860	2,560	1,990	1,480	1,560	1,050	590	1,420	2,790
29	468	638	660	860	2,680	2,000	1,540	1,480	1,030	636	1,510	2,710
30	459	610	665	855	-----	2,000	1,560	1,440	1,000	615	1,580	2,660
31	459	-----	710	855	-----	1,930	-----	1,400	-----	586	1,570	-----
TOTAL	22,639	17,258	19,390	24,835	59,690	72,850	47,070	49,110	38,720	19,056	30,021	71,340
MEAN	737	575	625	801	2,058	2,350	1,549	1,584	1,291	615	968	2,378
MAX	1,380	680	710	875	2,680	2,720	1,880	1,730	1,550	993	1,580	2,990
MIN	459	440	590	690	860	1,930	1,360	1,400	1,000	422	535	1,580
AC-FT	49,300	34,230	38,460	49,260	118,400	144,500	93,360	97,410	76,800	37,800	59,550	141,500
CAL YR 1963: TOTAL	200,248											
MEAN	549											
WAT YR 1964: TOTAL	472,179											
MEAN	1,290											
MAX	1,530											
MIN	422											
AC-FT	397,200											
AC-FT	936,600											

Note --Shifting-control method used Apr 16 to May 27, July 22 to Aug 31

2-2730 Kissimmee River at S-65E, near Okeechobee, Fla  
(Formerly published as Kissimmee River near Okeechobee)

Location --Lat 27°13'34", long 80°57'44", in NE<sup>1</sup>/<sub>4</sub> sec 30, T 37 S, R 34 E, on left bank in downstream control house at structure 65E, 1<sup>1</sup>/<sub>2</sub> miles downstream from State Highway 70, about 8<sup>1</sup>/<sub>2</sub> miles west of Okeechobee, Okeechobee County, and 14 miles upstream from Lake Okeechobee

Drainage area --Indeterminate Prior to July 22, 1962, 2,899 sq mi (revised)

Records available --October 1928 to September 1962, October 1962 to September 1964 (elevations only), October 1964 to September 1965 Prior to October 1964, published as Kissimmee River near Okeechobee Monthly discharge only for some periods, published in WSP 1304

Gage --Dual water-stage recorder, Datum of gage is at mean sea level, datum of 1929 (levels by Corps of Engineers) Prior to Apr 28, 1949, staff gage, and Apr 28, 1949, to Sept 30, 1964, water-stage recorder 1<sup>1</sup>/<sub>2</sub> miles upstream at datum 1 37 ft lower

Average discharge --34 years (1928-62), 2,188 cfs (1,584,000 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 30, 1961	a 1,410	b 28 02	Sept 30, 1961	666	c 16 84
1962	Sept 6, 1962	3,770	23 82	June 3, 1962	25	13 70
1963	-	-	d 14 45	-	-	e 13 17
1964	-	-	f 21 01	-	-	g 13 21
1965	Sept 21, 1965	6,640	h 21 39	Jan 7, 1965	0	i 18 20

a Maximum peak discharge, maximum discharge during year, 14,900 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c From reconstructed gage-height graph d Maximum independent peak elevation, Feb 26, 1963 (backwater from channel improvement), maximum elevation during year, 20 88 ft Oct 1, 1962, occurred on recession following peak of Sept 27, 1962 e Minimum observed, May 2, 1963 (affected by channel improvement work) f Occurred Sept 11, 1964 g Occurred July 20, 1964 h Occurred Dec 5, 1964 i Occurred Jan 5, 1965

1928-62, 1964-65 Maximum discharge, 17,800 cfs Oct 14, 1953 (gage height, 27 00 ft, present datum), no flow Jan 7, 1965, minimum gage height observed, 12 33 ft (present datum) June 3, 1962

Flood in August 1928, resulting from hurricane, reached a stage of 28 9 ft, present datum (discharge, 20,000 cfs, from rating curve extended above 14,000 cfs)

Remarks --Records good except those for period based on staff-gage readings and those after Oct 1, 1962, which are fair Flow regulated by manipulation of six vertical lift gates at S-65E by Central and Southern Florida Flood Control District Records do not include diversions, since July 21, 1962, from Lake Istokpoga through control structure 68 on Canal 41A Discharge computed on basis of gate-opening-discharge relation Records of chemical analyses and water temperatures for the water years 1962, 1965 are published in reports of the Geological Survey

Cooperation --Gage-height and gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14,800	9,040	5,280	3,240	2,620	1,990	1,740	1,220	1,020	753	1,090	1,310
2	14,200	8,970	5,170	3,150	2,590	1,960	1,750	1,200	996	773	1,110	1,300
3	13,600	8,890	5,060	3,060	2,560	1,940	1,740	1,200	960	790	1,120	1,330
4	13,200	8,700	4,970	2,980	2,540	1,920	1,710	1,210	922	828	1,120	1,330
5	12,800	8,590	4,900	2,920	2,520	1,900	1,710	1,200	877	852	1,120	1,330
6	12,500	8,420	4,820	2,880	2,490	1,880	1,700	1,200	841	873	1,100	1,340
7	12,500	8,210	4,760	2,830	2,480	1,840	1,680	1,170	811	907	1,070	1,320
8	12,800	8,010	4,720	2,790	2,440	1,820	1,670	1,130	800	907	1,110	1,310
9	13,200	7,820	4,670	2,780	2,420	1,760	1,680	1,100	817	918	1,130	1,320
10	13,200	7,700	4,620	2,790	2,400	1,750	1,640	1,080	817	945	1,130	1,330
11	13,200	7,550	4,570	2,760	2,390	1,760	1,620	1,100	777	972	1,110	1,310
12	12,600	7,410	4,510	2,730	2,380	1,750	1,630	1,080	749	976	1,080	1,280
13	12,000	7,290	4,420	2,780	2,360	1,740	1,580	1,060	740	968	1,050	1,260
14	11,800	7,160	4,310	2,820	2,340	1,790	1,580	1,030	733	956	1,030	1,220
15	11,500	7,020	4,260	2,830	2,300	1,790	1,570	992	730	945	1,000	1,190
16	11,300	6,890	4,230	2,860	2,280	1,800	1,540	968	717	937	1,010	1,150
17	11,100	6,760	4,160	2,910	2,260	1,800	1,510	976	702	930	1,020	1,090
18	10,900	6,630	4,100	2,960	2,240	1,830	1,490	945	693	918	1,020	1,090
19	10,800	6,510	4,040	3,020	2,220	1,960	1,460	922	693	918	1,020	949
20	10,700	6,400	3,970	3,030	2,190	1,970	1,440	911	690	930	1,040	903
21	10,600	6,280	3,940	3,040	2,160	1,960	1,420	899	699	933	1,140	862
22	10,400	6,160	3,880	3,020	2,150	1,910	1,380	884	684	941	1,140	831
23	10,300	6,040	3,810	2,990	2,140	1,890	1,360	870	680	956	1,140	797
24	10,100	5,940	3,760	2,950	2,140	1,840	1,330	862	675	968	1,160	766
25	9,880	5,830	3,710	2,910	2,160	1,820	1,330	873	675	980	1,220	746
26	9,720	5,730	3,650	2,870	2,100	1,800	1,310	926	693	1,030	1,240	720
27	9,560	5,640	3,600	2,820	2,080	1,780	1,280	1,020	727	1,030	1,250	699
28	9,440	5,550	3,540	2,780	2,040	1,770	1,260	1,000	749	1,030	1,250	681
29	9,280	5,460	3,500	2,750	-----	1,740	1,240	1,010	746	1,040	1,300	669
30	9,040	5,370	3,430	2,700	-----	1,720	1,220	1,050	740	1,060	1,390	666
31	9,000	-----	3,350	2,660	-----	1,710	-----	1,050	-----	1,090	1,350	-----
TOTAL	356,020	211,970	131,710	89,610	64,980	56,860	45,570	32,138	23,160	29,054	35,060	32,029
MEAN	11,484	7,066	4,249	2,891	2,121	1,834	1,519	1,037	772	937	1,131	1,068
MAX	14,800	9,040	5,280	3,240	2,620	1,990	1,750	1,220	1,020	1,090	1,390	1,340
MIN	9,000	5,370	3,350	2,660	2,040	1,710	1,220	862	675	753	1,000	666
CFSM	3.96	2.44	1.47	1.00	.80	.63	.52	.36	.27	.32	.39	.37
IN.	4.57	2.72	1.69	1.15	.83	.73	.58	.41	.30	.37	.45	.41
CAL YR 1960	TOTAL 2,151,000	MEAN 5,877	MAX 14,900	MIN 2,360	CFSM 2.03	IN 27.52						
WAT YR 1961	TOTAL 1,108,161	MEAN 3,036	MAX 14,800	MIN 666	CFSM 1.05	IN 14.22						

2-2730 Kissimmee River at S-65E, near Okeechobee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	658	451	328	249	213	135	126	88	41	1,240	369	2,550
2	649	448	330	238	202	130	112	88	31	1,200	379	2,860
3	637	434	321	227	190	128	108	88	25	1,350	415	3,190
4	625	415	314	227	185	128	126	92	27	1,440	386	3,510
5	604	408	312	240	184	133	133	95	31	1,400	422	3,700
6	589	410	312	238	182	144	130	96	34	1,330	446	3,750
7	580	417	312	227	179	145	128	98	43	1,730	508	3,620
8	568	412	309	209	174	158	126	96	47	1,120	658	3,480
9	556	403	305	201	179	184	119	94	51	938	738	3,380
10	547	405	307	209	185	176	128	94	54	738	835	3,240
11	553	410	305	223	180	148	132	87	60	938	956	3,080
12	568	405	298	221	179	122	129	82	69	1,800	1,080	2,910
13	562	391	292	195	192	115	132	78	76	1,500	1,180	2,720
14	553	376	288	245	202	111	121	72	82	1,430	1,240	2,480
15	544	367	286	295	187	109	109	69	85	1,430	1,460	2,230
16	524	360	288	240	172	108	111	66	86	1,400	1,690	2,050
17	519	352	284	220	166	121	121	62	87	1,350	1,820	1,900
18	522	353	275	211	166	122	123	61	150	1,340	1,860	1,780
19	538	357	267	216	166	123	119	61	169	1,380	1,840	1,690
20	524	360	261	218	163	128	114	60	172	1,410	1,800	1,630
21	508	348	259	213	158	125	108	59	179	1,390	1,740	2,100
22	500	350	255	211	152	115	108	58	229	1,290	1,760	2,490
23	488	360	267	211	146	108	107	57	328	1,160	1,740	2,640
24	478	355	265	208	144	109	105	55	556	1,020	1,710	2,820
25	470	334	249	201	138	148	96	53	667	866	1,620	2,980
26	463	330	247	199	136	157	94	54	755	710	1,540	3,170
27	463	341	261	197	136	154	95	56	811	583	1,460	3,340
28	463	341	265	190	136	152	94	55	876	519	1,470	3,320
29	463	332	244	180	-----	151	90	50	956	451	1,590	3,210
30	463	325	232	176	-----	150	88	56	961	442	1,820	3,090
31	456	-----	238	201	-----	145	-----	53	-----	405	2,240	-----
TOTAL	16,637	11,553	8,776	6,726	4,792	4,182	3,432	2,233	7,738	34,770	38,772	84,910
MEAN	537	378	283	217	171	135	114	72.0	258	1,122	1,251	2,830
MAX	658	451	330	255	213	184	133	98	961	1,800	2,240	3,750
MIN	458	325	232	176	136	108	88	50	25	405	369	1,630
CFSM	+19	13	+10	-07	-06	-05	-04	-02	+09	-	-	-
IN.	+21	+15	+11	+09	+06	+05	+04	+03	+10	-	-	-
CAL YR 1961	TOTAL	445,227	MEAN	1,220	MAX	3,240	MIN	232	CFSM	-	IN	-
WAT YR 1962	TOTAL	224,321	MEAN	615	MAX	3,750	MIN	25	CFSM	-	IN	-

Note --Computed from once-daily staff-gage readings Mar 19 to May 13

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,890	2,060	353	415	830	1,140	1,530	896	208	448	1,560	2,210
2	3,010	2,060	311	444	830	1,140	1,430	930	208	527	1,650	2,280
3	3,110	1,940	311	443	830	1,140	1,340	930	137	714	1,770	2,280
4	3,010	1,980	374	656	830	1,310	1,320	896	46	693	1,660	2,150
5	2,900	1,900	872	1,260	830	1,420	1,150	830	62	622	1,660	2,010
6	2,900	1,770	581	593	830	1,320	1,350	896	174	622	1,630	1,990
7	2,500	1,620	465	0	830	1,410	1,300	864	208	622	1,630	1,900
8	2,180	1,620	519	33	921	1,590	1,970	830	278	726	1,660	2,030
9	2,320	1,340	519	560	863	2,000	1,370	756	270	759	1,680	2,250
10	2,490	822	519	726	830	2,170	922	756	232	726	1,760	2,260
11	2,490	490	519	834	830	2,420	1,090	830	357	726	1,790	2,110
12	2,430	598	519	830	830	2,440	1,180	780	432	938	814	1,980
13	3,210	532	452	830	830	2,730	1,150	590	261	1,040	1,720	1,870
14	2,850	440	382	830	855	2,060	1,150	432	465	1,160	2,870	1,940
15	2,740	548	311	784	1,010	2,100	1,040	316	622	1,270	2,120	1,940
16	2,510	506	311	834	892	2,180	988	232	552	1,050	2,040	1,830
17	2,620	366	311	905	859	1,960	1,040	208	448	1,000	2,080	1,870
18	2,750	340	311	830	934	1,870	1,040	208	519	1,070	1,920	1,940
19	2,790	474	311	830	1,040	1,870	1,000	206	797	1,070	1,990	2,640
20	2,650	464	311	830	971	1,910	930	162	415	1,240	2,160	1,370
21	2,280	348	311	830	1,050	1,590	962	104	311	1,280	2,040	1,680
22	2,180	316	311	901	1,070	1,560	1,040	87	369	1,170	2,030	1,720
23	2,180	316	311	876	1,170	1,560	1,040	104	656	1,140	2,010	1,870
24	2,180	316	311	859	1,350	1,440	1,040	104	552	1,140	1,980	1,800
25	2,180	316	311	900	1,120	1,400	1,040	104	589	1,300	1,980	1,730
26	2,180	382	311	830	1,040	1,520	1,110	137	577	1,420	1,980	1,870
27	2,180	406	311	764	1,040	1,620	1,100	208	456	1,410	1,980	1,890
28	2,180	348	311	726	1,100	1,870	1,040	133	710	1,490	1,970	1,980
29	2,180	311	353	776	-----	1,770	930	104	689	1,410	2,020	2,000
30	2,180	357	415	830	-----	1,480	830	104	548	1,510	2,020	2,100
31	2,060	-----	415	830	-----	1,480	-----	174	-----	1,670	2,120	-----
TOTAL	78,710	25,176	12,233	22,789	26,415	52,870	34,422	13,913	12,148	31,963	58,294	59,480
MEAN	2,559	839	395	735	943	1,705	1,147	449	405	1,031	1,880	1,983
MAX	3,210	2,060	872	1,260	1,350	2,440	1,970	930	797	1,670	2,870	2,640
MIN	2,060	311	311	0	830	1,140	830	87	46	448	814	1,370
CAL YR 1964	TOTAL	428,413.00	MEAN	1,174	MAX	3,210	MIN	0				
WAT YR 1965	TOTAL	428,413.00	MEAN	1,174	MAX	3,210	MIN	0				

2-2732 Canal 41A above S-68 at Lake Istokpoga, near Lake Placid, Fla

Location --Lat 27°19'55", long 81°15'05", in sec 19 or 20, T 36 S, R 31 E, 33 ft from right bank, 350 ft upstream from structure 68 at Lake Istokpoga, and 7½ miles northeast of town of Lake Placid, Highlands County

Drainage area --Indeterminate

Records available --December 1963 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is 30 00 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark), staff gage at mean sea level datum All gage heights are at gage datum

Extremes --1963-64 Maximum discharge during period December to September, 3,800 cfs Jan 28, maximum gage height, 10 09 ft Feb 8 (wind affected) no flow for many days, minimum gage height, 6 69 ft July 17 (wind affected)  
1964-65 Maximum discharge during water year, 4,500 cfs Sept 6, maximum gage height, 9 32 ft Mar 8, no flow for many days, minimum gage height, 7 57 ft Sept 8

Remarks --Records fair Flow regulated by electrically operated vertical lift gates in control structure 68 Records of chemical analyses and water temperatures for the water year 1965 are published in reports of the Geological Survey

Cooperation --Gate-operation record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			-	0	0	150	0	162	162	0	0	450
2			-	0	0	150	0	162	162	0	0	450
3			0	0	0	150	0	123	0	0	81	450
4			0	0	0	150	116	88	0	0	162	243
5			0	0	219	150	264	190	0	0	97	0
6			0	0	354	150	264	264	130	0	50	0
7			0	0	485	150	264	264	350	151	50	0
8			0	0	588	150	264	375	350	130	50	225
9			79	0	588	150	190	528	350	71	50	450
10			162	0	588	397	88	528	350	104	50	450
11			162	0	588	317	88	528	350	88	50	450
12			162	0	588	0	88	528	542	88	50	450
13			92	0	588	0	88	528	670	88	50	450
14			0	0	588	0	88	669	670	40	50	372
15			0	509	588	0	88	894	474	0	50	627
16			0	960	598	212	88	1,120	320	0	50	960
17			0	536	223	378	88	1,120	208	0	50	780
18			0	346	243	200	88	1,120	0	0	50	640
19			0	960	486	0	88	1,120	91	0	50	640
20			89	960	486	0	88	1,120	162	0	50	640
21			75	960	486	0	130	1,120	162	0	115	640
22			0	898	486	0	162	1,120	238	0	179	640
23			0	669	486	235	162	1,120	320	0	179	640
24			0	669	486	0	162	450	320	0	179	640
25			0	669	243	116	162	382	320	0	179	224
26			0	669	0	264	162	149	320	0	180	0
27			0	669	90	264	162	229	320	0	0	0
28			0	663	150	264	162	162	320	0	0	316
29			0	486	150	121	162	162	186	0	0	486
30			0	486	-----	0	162	162	0	0	0	486
31			-----	0	292	-----	0	162	-----	0	279	-----
TOTAL			-	11,361	10,367	4,118	3,918	16,649	7,907	760	2,380	12,799
MEAN			-	366	357	133	131	537	264	24.5	76.8	427
MAX			-	960	588	397	264	1,120	670	151	279	960
MIN			-	0	0	0	0	88	0	0	0	0
AC-FT			-	22,530	20,560	8,170	7,770	33,020	15,680	1,510	4,720	25,390



2-2732 Canal 41A above S-68 at Lake Istokpoga, near Lake Placid, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	486	0	0	0	162	0	0	0	144	0	324	519
2	180	0	0	0	162	0	0	0	46	43	714	588
3	0	0	0	0	71	0	0	0	0	69	1,370	678
4	0	0	78	131	0	0	0	0	0	69	1,660	742
5	0	0	126	212	0	0	0	127	0	69	1,660	742
6	0	0	126	78	0	0	0	196	0	279	1,660	2,150
7	0	0	47	0	0	0	0	196	0	393	1,210	3,600
8	0	0	0	0	0	83	73	196	0	1,240	960	2,450
9	0	0	0	0	0	1,260	126	196	0	1,800	960	0
10	0	0	0	0	0	1,430	126	155	0	1,250	752	105
11	0	0	0	26	0	1,430	126	88	0	960	832	60
12	0	0	0	0	0	1,190	126	88	0	1,510	1,190	0
13	0	0	0	0	0	960	126	88	0	1,510	1,350	0
14	0	0	0	63	0	960	126	88	0	1,450	1,160	0
15	0	0	0	126	0	960	126	88	0	1,220	1,060	0
16	1,040	0	0	126	0	960	252	88	0	420	1,060	0
17	1,800	0	0	126	99	384	320	126	0	320	1,060	0
18	1,800	0	0	86	166	0	320	196	0	493	788	0
19	630	0	0	94	112	0	221	196	0	224	485	0
20	0	33	0	60	0	0	0	196	0	0	196	26
21	55	0	0	0	0	0	0	196	0	100	196	0
22	59	0	0	100	99	0	0	155	0	162	196	0
23	0	0	0	162	0	0	0	88	0	162	196	67
24	0	0	0	162	0	0	0	88	0	162	196	0
25	0	0	0	162	0	0	0	98	0	162	196	0
26	53	0	0	162	0	0	87	88	0	162	196	0
27	33	0	0	162	0	0	162	88	0	162	196	0
28	0	0	0	162	0	0	100	88	0	162	196	0
29	0	0	0	162	0	0	0	178	0	162	196	0
30	0	0	0	162	0	0	0	248	0	268	324	0
31	0	0	0	162	0	0	0	248	0	324	392	0
TOTAL	6,136	33	377	2,686	871	9,617	2,417	3,811	190	15,307	22,931	11,727
MEAN	198	1.10	12.2	86.6	31.1	310	80.6	123	6.33	494	740	391
MAX	1,800	33	126	212	166	1,430	320	248	144	1,800	1,660	3,600
MIN	0	0	0	0	0	0	0	0	0	0	196	0
AC-FT	12,170	65	748	5,330	1,730	19,080	4,790	7,560	377	30,360	45,480	23,260
CAL YR 1964	TOTAL 76,803.00			MEAN 210	MAX 1,800	MIN 0	AC-FT 152,300					
MAY YR 1965	TOTAL 76,103.00			MEAN 209	MAX 3,600	MIN 0	AC-FT 150,900					

## 315

Location --Lat 27°12'55", long 80°58'55", in SW<sup>1</sup>/<sub>4</sub> sec 36, T 37 S, R 33 E, Highlands County, 40 ft from left bank, 500 ft upstream from structure 84, and 9.5 miles west of Okeechobee, Okeechobee County

Records available --November 1963 to September 1965

Gage --Digital water-stage and deflection-meter recorders Datum of gage is 10 00 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Aug 20, 1965, graphic water-stage and deflection-meter recorder at present site and datum

Extremes --1963-64 Maximum discharge during period November to September, 3,940 cfs Jan 18, maximum gage height, 16 52 ft Jan 30 (affected by surge), no flow for many days, minimum gage height, 12 97 ft Sept 23

1964-65 Maximum discharge during water year, 4,520 cfs Aug 5, maximum gage height, 16 06 ft Oct 1, no flow for many days, minimum gage height, 12 80 ft Oct 14

Remarks --Records poor Flow regulated by electrically operated vertical lift gates at control structure 84 Discharge computed from continuous velocity record obtained from recording deflection meter

Cooperation --Gate-operation record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, NOVEMBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT
1	-	-	0	0	0	305	0	300	4.0	0	0	598
2	-	-	0	0	0	250	0	0	3.0	0	0	650
3	-	-	0	0	0	163	0	0	2.0	0	0	775
4	-	-	0	0	0	475	0	0	4.0	0	0	385
5	-	-	0	0	317	200	0	0	3.0	0	0	
6	-	-	0	0	432	183	1.0	468	3.0	0	0	282
7	-	-	0	0	369	404	5.0	102	6.0	0	0	556
8	-	-	0	110	508	161	5.0	422	5.0	0	0	178
9	-	-	0	215	453	205	4.0	89	6.0	0	0	590
10	-	-	0	215	380	351	1.0	0	7.0	0	0	660
11	-	-	0	215	459	201	0	0	6.0	0	0	1,030
12	-	-	0	215	388	0	5.0	0	4.0	0	0	884
13	-	-	0	215	457	0	8.0	0	2.0	0	0	732
14	-	-	0	215	324	0	7.0	0	1.0	0	0	684
15	-	-	0	700	338	17	4.0	0	0	0	0	632
16	-	-	0	1,200	364	0	0	0	0	0	0	1,150
17	-	-	0	500	112	0	0	0	0	0	0	810
18	-	-	0	195	0	96	0	0	0	0	0	640
19	-	-	0	967	326	96	0	0	0	10	568	
20	-	-	0	690	616	10	0	488	0	0	311	450
21	-	-	0	0	657	10	0	776	0	0	1.0	450
22	-	-	0	221	639	10	0	453	0	0	287	450
23	-	-	0	539	941	5.0	0	443	0	0	276	450
24	-	-	0	678	324	1.0	0	0	0	0	0	450
25	-	-	0	411	0	0	0	0	0	0	291	234
26	-	-	0	644	0	1.0	0	0	0	0	45	576
27	-	-	0	396	13	7.0	0	0	0	0	614	238
28	-	-	0	427	188	6.0	0	0	0	0	1,090	0
29	-	-	0	328	796	4.0	0	0	0	0	696	0
30	-	-	0	684	0	7.0	55	0	0	0	654	0
31	-	-	0	364	-----	0	-----	1.0	-----	0	635	-----
TOTAL MEAN MIN			0	10,324 353 1,200	8,521 294 657	3,163 102 475	95.0 3.17 0	3,492.0 113 722	56.0 1.87 7.0	0	4,910.0 158 1,090	14,065 465 1,150

## 2-2733 Canal 41A above S-84, near Okeechobee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	454	7.0	0	1.0	0	0	0	0	0	0	114	282
2	0	6.0	0	2.0	0	0	0	0	0	0	561	443
3	0	6.0	0	2.0	0	0	0	0	0	0	1,030	657
4	0	4.0	5.0	1.0	0	0	0	0	0	227	1,340	507
5	76	4.0	88	0	0	0	0	0	0	0	1,420	535
6	136	5.0	128	0	0	0	0	0	0	188	1,050	1,230
7	313	4.0	128	0	0	0	0	0	0	200	675	2,770
8	0	4.0	104	0	0	0	0	0	0	994	459	2,310
9	0	3.0	72	0	0	1,340	0	0	0	1,440	400	0
10	0	2.0	38	0	0	1,280	0	0	0	1,070	618	0
11	0	2.0	21	0	0	1,320	0	0	0	688	448	0
12	8.0	1.0	10	0	0	938	0	0	0	1,220	661	0
13	80	1.0	9.0	0	0	421	0	0	0	989	809	0
14	670	1.0	8.0	0	0	844	0	0	0	1,320	574	0
15	0	0	7.0	0	0	573	0	0	0	932	750	0
16	0	0	4.0	0	0	716	0	0	0	649	513	0
17	0	0	3.0	0	0	511	0	0	0	579	726	0
18	3.0	0	4.0	0	0	0	0	0	0	521	527	0
19	7.0	0	2.0	0	0	0	0	0	0	229	369	0
20	8.0	0	3.0	0	0	0	0	0	0	0	0	163
21	8.0	0	3.0	0	0	0	0	0	0	210	0	0
22	7.0	0	2.0	0	0	0	0	0	0	213	0	0
23	7.0	0	1.0	0	0	0	0	0	0	0	169	35
24	6.0	0	1.0	0	0	0	0	0	0	238	0	0
25	6.0	0	1.0	0	0	0	0	0	0	201	0	0
26	6.0	0	1.0	0	0	0	0	0	0	220	0	0
27	7.0	0	2.0	0	0	0	0	0	0	0	0	0
28	10	0	3.0	0	0	0	0	0	0	0	0	0
29	10	0	2.0	0	0	0	0	0	0	0	0	4.0
30	9.0	0	2.0	0	0	0	0	0	0	202	163	2.0
31	8.0	-----	1.0	0	-----	0	-----	0	-----	200	214	-----
TOTAL	1,839.0	50.0	653.0	6.0	0	7,943	0	0	0	12,730	13,590	8,938.0
MEAN	59.3	1.67	21.1	1.9	0	256	0	0	0	411	438	298
MAX	670	7.0	128	2.0	0	1,340	0	0	0	1,440	1,420	2,770
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1964	TOTAL 47,172.00	MEAN 129	MAX 1,200	MIN 0	CFSM	IN						
WAT YR 1965	TOTAL 45,749.00	MEAN 125	MAX 2,770	MIN 0	CFSM	IN						

## 2-2740 Taylor Creek near Basinger, Fla

Location --Lat 27°23'39", long 80°53'44", in SE 1/4 sec 26, T 35 S., R 34 E., near center of channel on downstream side of bridge on State Highway S-68, 800 ft upstream from control structure 3, 0.8 mile downstream from small tributary, and 8.5 miles east of Basinger, Okeechobee County

Drainage area --15.7 sq mi

Records available --June 1955 to September 1965

Gage --Water-stage recorder Datum of gage is 29.10 ft above mean sea level, datum of 1929  
Apr 14, 1960, to Sept 30, 1962, at site about 500 ft downstream at same datum

Average discharge --10 years, 13.0 cfs (9,410 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Date	Maximum		Minimum		
		Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 11, 1960	a 48	b 4.67	Many days	0	c 0.27
1962	Sept 2, 1962	354	6.21	do	0	d .36
1963	Sept 25, 1963	131	5.66	do	0	e 1.79
1964	Aug 27, 1964	654	f 5.66	do	0	g 1.27
1965	Aug 9, 1965	100	3.87	do	0	h 1.35

a Maximum peak discharge, maximum discharge during year, 69 cfs Oct 1, 1960, stage falling b Occurred Oct 1, 1960 c Occurred May 24, 25, 26, 1961 d Occurred Mar 22, 23, 1962 e Occurred May 23, 1963 f Occurred Feb 5, 1964 g Occurred Aug 5-10, 1964 h Occurred Feb 11, 1965

1955-65 Maximum discharge, 2,540 cfs Oct 15, 1956 (gage height, 7.88 ft), from rating curve extended above 1,100 cfs by logarithmic plotting, no flow at times in most years, minimum gage height, -1.85 ft Feb 11, 1965

Remarks --Records good except those for periods of shifting control, which are fair, and those after Oct 1, 1963, which are poor. Some diversion during low flow for irrigation. Flow regulated at station by manipulation of radial gate in spillway of control structure 3 by Okeechobee County Road Department. Records of chemical analyses and water temperatures for the water year 1965 are published in reports of the Geological Survey.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	64	4.3	.40	.30	.40	.30	1.3	0	.40	.60	.30	1.0
2	52	6.2	.40	.30	.40	.20	1.2	0	.30	.50	.40	.90
3	44	4.7	.40	.30	.50	.20	.50	0	.30	.60	.40	.80
4	36	3.5	.40	.30	.70	.20	.30	0	.20	.40	.40	.60
5	29	2.9	.40	.30	.80	.20	.20	0	.20	.60	.40	.70
6	23	2.5	.40	.30	.60	.20	.20	0	.10	.60	.30	.70
7	21	2.1	.40	.40	.60	.20	.20	0	.50	.60	.30	.80
8	24	1.9	.30	.40	.80	.20	.20	0	.50	.50	.20	.90
9	39	1.8	.30	.50	.70	.20	.20	0	.70	.50	.20	.80
10	34	1.6	.30	.90	.60	.10	.20	0	1.1	.80	.30	1.1
11	45	1.5	.30	.80	.50	.10	.20	0	4.5	1.1	.30	1.5
12	34	1.4	.30	.60	.40	.10	.20	0	21	.90	.30	1.3
13	24	1.1	.30	1.8	.40	.20	.20	0	4.8	.60	.30	1.0
14	25	.90	.30	4.4	.40	.20	.10	0	1.8	2.6	.30	.90
15	41	.90	.30	2.4	.40	.20	.10	0	.90	2.1	.30	.70
16	26	.90	.60	1.7	.30	.20	.10	0	.60	.90	.30	.70
17	16	.80	.60	1.6	.30	.10	.10	0	.40	.60	.30	1.1
18	11	.70	.50	1.0	.30	.20	.10	0	.40	.40	.50	1.5
19	8.3	.60	.40	.80	.30	1.3	.10	0	.40	.50	.90	1.3
20	7.4	.50	.40	.70	.20	1.1	.10	0	.30	2.1	1.3	1.0
21	8.3	.40	.40	.60	.20	.60	.10	0	.30	2.1	1.1	.90
22	7.1	.40	.40	.60	.20	.30	.10	0	.30	1.2	.90	.80
23	5.5	.40	.40	.50	.20	.20	.10	0	.80	.80	1.3	.70
24	4.5	.40	.30	.50	.50	.20	.10	0	1.5	.60	1.2	.50
25	3.7	.40	.30	.50	.70	.20	.10	0	2.1	.50	1.1	.40
26	3.1	.40	.30	.50	.50	.10	.10	0	3.1	.60	1.2	.40
27	2.6	.40	.30	.50	.40	.10	.10	.10	2.5	.60	.90	.30
28	2.4	.40	.30	.50	.30	.10	0	.20	1.6	.60	.90	.30
29	2.2	.40	.30	.50	-----	.10	0	.70	1.0	.50	1.3	.30
30	2.0	.40	.30	.50	-----	.10	0	1.4	.70	.40	1.6	.30
31	2.1	-----	.30	.40	-----	.10	-----	.60	-----	.30	1.3	-----
TOTAL	647.2	44.60	11.30	25.40	12.60	7.80	6.50	3.00	53.30	25.90	20.80	24.40
MEAN	20.9	1.49	.36	.82	.45	.25	.22	.097	1.78	.84	.67	.81
MAX	64	6.2	.60	4.4	.80	1.3	1.3	1.4	21	2.6	1.6	1.5
MIN	2.0	.40	.30	.30	.20	.10	.0	.0	.10	.30	.20	.30
CFSM	1.33	.10	.02	.05	.03	.02	.01	.006	.11	.05	.04	.05
IN.	1.55	.11	.03	.06	.03	.02	.02	.007	.13	.06	.05	.06
CAL YR 1960	TOTAL 11,198.90	MEAN 30.6	MAX 647	MIN 0	CFSM 1.95	IN 26.53						
WAT YR 1961	TOTAL 883.00	MEAN 2.42	MAX 64	MIN 0	CFSM .15	IN 2.09						

2-2740 Taylor Creek near Basinger, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.20	.20	.10	0	0	0	3.2	.10	.30	175	5.4	176
2	.20	.20	.10	0	0	0	2.5	.10	.30	105	5.2	232
3	.10	.20	.10	0	0	0	1.6	.10	.30	33	4.2	142
4	.10	.20	.10	0	0	0	.80	.90	.30	15	3.4	76
5	.10	.10	.10	0	0	0	.50	.36	.30	9.0	3.0	111
6	0	.10	.10	0	0	0	.40	18	.30	5.8	8.5	101
7	0	.10	.10	.10	0	0	.40	7.7	.20	4.0	94	76
8	0	.20	.10	.10	0	0	.40	2.7	.20	3.0	85	178
9	0	.10	.10	.10	0	0	.40	1.6	.20	11	53	83
10	0	.10	.10	.10	0	0	.40	1.1	.20	43	55	50
11	0	.10	.10	.10	0	0	.30	.80	.40	99	124	38
12	0	.10	.10	.10	0	0	.30	.60	.80	198	212	33
13	0	.10	.10	.10	0	0	.30	.60	.90	88	130	31
14	0	.10	.10	.10	0	0	.30	.40	1.0	132	78	28
15	0	.10	.10	.10	0	0	.30	.40	1.0	60	58	21
16	0	.10	.10	.10	0	0	.20	.30	1.1	33	113	15
17	0	.10	.10	.10	0	0	.20	.30	1.8	19	138	13
18	.10	.10	.10	.10	0	0	.20	.30	4.6	27	66	11
19	1.2	.10	.10	.10	0	0	.10	.20	2.6	42	41	9.1
20	1.6	.10	.10	.10	0	0	.10	.20	1.8	76	28	21
21	.60	.10	.10	.10	0	0	.10	.30	6.7	52	20	248
22	.30	.10	.10	.10	0	0	.10	.10	.40	42	15	169
23	.30	.10	.10	.10	0	0	.10	.70	32	15	12	127
24	.20	.10	.10	.10	0	0	.10	.70	11	10	12	72
25	.20	.10	0	.10	0	0	.10	.60	5.3	7.2	29	41
26	.20	.10	0	0	0	.10	.10	.40	3.0	5.2	41	27
27	.20	.10	0	0	0	1.6	.10	.30	2.1	4.0	42	19
28	.20	.10	0	0	0	.70	.10	.30	1.8	3.1	135	14
29	.20	.10	0	0	0	.40	.10	.30	.49	2.5	96	10
30	.20	.10	0	0	0	.50	.10	.20	154	2.2	152	8.4
31	.20	-----	0	0	0	8.5	-----	.20	-----	2.7	159	-----
TOTAL	6.40	3.90	2.40	1.90	0	11.80	13.90	77.00	325.50	1,309.7	2,017.7	2,180.5
MEAN	.21	.12	.077	.061	0	.38	.46	2.48	10.9	42.2	65.1	72.7
MAX	1.6	.20	.10	.10	0	8.5	3.2	.36	154	198	212	248
MIN	0	.10	0	0	0	0	.10	.10	.20	2.2	3.0	8.4
CFSM	.01	.007	.005	.004	0	.02	.03	.16	.69	2.69	4.15	4.63
IN.	.02	.008	.006	.005	0	.03	.03	.18	.77	3.10	4.78	5.17
CAL YR 1961	TOTAL	192.00	MEAN	.53	MAX	21	MIN	0	CFSM	.03	IN	.45
WAT YR 1962	TOTAL	5,950.30	MEAN	16.3	MAX	248	MIN	0	CFSM	1.04	IN	14.10

Note --Shifting-control method used Mar 26 to Apr 25

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.8	.10	.60	.30	.30	7.0	.20	0	1.0	4.7	1.2	0
2	7.0	.10	.60	.20	.20	5.9	.20	0	.70	3.4	.90	0
3	.36	.10	.60	.20	.20	5.3	.20	0	.40	2.6	.70	0
4	.67	.10	.50	.20	.20	4.2	.10	.10	2.5	2.1	.50	.10
5	.20	.10	.50	.20	.30	3.6	.10	.10	6.3	1.8	.40	.10
6	12	.10	.50	.20	.30	3.0	.10	.10	7.4	1.5	.40	.10
7	6.2	.10	.40	.20	.30	2.4	.10	.10	3.1	1.4	.20	.10
8	5.3	.20	.40	.30	.30	2.1	.10	.10	1.8	1.2	.20	.10
9	4.0	.99	.40	.30	.20	1.9	.10	.10	1.4	.80	.10	.10
10	3.4	11	.40	.30	.20	2.1	.10	.10	1.2	.60	.10	.10
11	2.8	5.6	.40	.30	.20	2.3	.10	.10	.80	.50	.10	.10
12	2.3	4.0	.40	.20	.30	2.0	.10	0	.70	.40	.10	.10
13	2.0	3.0	.40	.20	.70	1.8	.10	0	.80	.70	.10	.10
14	1.8	2.4	.30	.30	.80	1.8	.10	0	.70	1.0	.10	.10
15	1.6	2.0	.30	.40	.70	1.5	.10	0	.50	.80	.10	.40
16	1.4	1.8	.30	.40	.60	1.4	0	0	1.0	.50	.10	1.8
17	1.2	1.7	.40	.40	1.1	1.2	0	0	2.1	1.0	.10	1.4
18	1.2	1.4	.40	.40	1.4	1.1	0	0	2.3	6.0	.10	1.0
19	1.2	1.3	.40	.40	1.7	.80	0	0	1.7	7.4	.10	1.2
20	1.0	1.2	.40	.30	3.0	.60	0	0	1.1	5.3	.10	1.8
21	.70	1.1	.40	.40	2.1	.40	0	0	.80	3.8	.10	2.7
22	.60	1.4	.30	.40	1.8	.30	0	0	.50	3.0	.10	3.0
23	.60	1.4	.30	.40	1.6	.20	0	0	.40	2.4	.10	6.5
24	.60	1.4	.30	.40	1.5	.20	0	0	.30	2.1	.10	31
25	.50	1.2	.30	.30	1.5	.20	0	0	.70	1.7	.10	105
26	.40	.90	.40	.30	5.4	.20	0	1.7	.30	1.4	.10	105
27	.30	.80	.40	.40	16	.20	0	1.3	.70	1.3	.10	59
28	.10	.70	.30	.40	9.3	.10	0	.80	3.2	1.2	.10	34
29	0	.70	.30	.30	-----	.10	0	.70	9.7	1.0	.10	21
30	0	.60	.30	.30	-----	.10	0	.60	7.8	1.6	.10	16
31	.10	-----	.30	.30	-----	.20	-----	.80	-----	1.6	.10	-----
TOTAL	191.10	56.40	12.20	9.60	52.20	54.20	1.80	6.20	61.40	65.00	6.80	391.90
MEAN	6.16	1.88	.39	.31	1.66	1.75	.060	.20	2.05	2.10	.22	13.1
MAX	67	11	.60	.40	16	7.0	.20	1.3	9.7	7.4	1.2	105
MIN	0	.10	.30	.20	.20	.10	0	0	.20	.40	.10	0
CFSM	.39	.12	.03	.02	.12	.11	.004	.01	.13	.13	.01	.83
IN.	.45	.13	.03	.02	.12	.13	.004	.01	.15	.15	.02	.93
CAL YR 1962	TOTAL	6,197.70	MEAN	17.0	MAX	248	MIN	0	CFSM	1.08	IN	14.68
WAT YR 1963	TOTAL	908.80	MEAN	2.49	MAX	105	MIN	0	CFSM	.16	IN	2.15

Note --Shifting-control method used Nov 13 to Feb 10, May 26 to Aug 8

2-2740 Taylor Creek near Basinger, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	13	0	0	21	2-3	3-3	0	3-0	.10	4-2	1-0	81
2	10	0	0	13	2-1	2-1	0	5-0	.10	3-7	.70	78
3	9-3	0	0	9-7	1-9	0	0	8-0	.10	3-4	.40	211
4	9-0	0	0	7-4	3-3	0	0	6-3	.10	3-1	.20	102
5	8-6	0	0	5-9	6-6	0	0	3-3	.10	3-0	.20	89
6	8-2	0	0	5-0	120	0	0	2-3	.10	3-0	.20	94
7	7-4	0	0	6-7	68	0	1-0	1-8	.10	2-8	.20	69
8	6-3	0	0	15	42	0	3-0	1-4	.10	2-8	.20	48
9	5-3	0	0	14	26	0	.50	1-0	.10	2-7	.20	33
10	1-7	0	0	11	18	0	0	.80	.10	2-4	.40	245
11	0	9-0	0	8-6	14	0	0	.60	2-0	2-1	.70	201
12	.50	9-3	0	9-0	11	0	0	.40	1-8	1-7	2-4	102
13	0	9-0	0	14	9-3	0	0	.30	1-0	1-4	3-1	232
14	.40	8-5	0	12	7-4	0	0	.50	.60	.90	2-8	128
15	.70	7-4	0	9-7	5-9	0	0	2-0	.30	.60	2-5	65
16	1-0	5-3	0	7-8	5-0	0	0	4-2	.20	.40	3-2	49
17	2-5	4-2	0	6-7	3-8	0	0	2-7	.20	.40	2-4	36
18	2-0	3-6	4-0	6-7	3-3	0	0	2-0	.20	.40	2-0	74
19	.50	3-1	3-1	6-7	5-3	0	0	1-6	.20	.40	1-7	18
20	.50	2-8	2-2	5-9	5-3	0	0	1-2	.20	.50	30	14
21	1-0	2-6	1-8	5-3	4-0	0	0	1-0	.20	.50	80	13
22	1-1	2-4	1-6	4-7	3-3	0	0	.70	.20	.50	60	12
23	1-0	2-2	1-4	4-0	3-3	0	0	.50	1-0	.50	40	10
24	.90	2-1	1-9	3-6	3-1	0	0	.50	2-0	.40	30	9-7
25	.70	1-9	2-4	3-1	2-7	0	0	.60	2-0	.50	20	8-3
26	.60	1-8	2-1	2-8	2-3	0	0	.40	2-0	1-0	10	7-5
27	.50	1-1	1-8	2-6	2-2	0	0	.30	1-6	1-8	254	6-7
28	.40	0	1-7	2-7	2-7	0	2-0	.20	1-2	1-8	468	6-4
29	.30	0	1-5	3-0	3-8	0	2-9	.10	1-2	1-8	230	6-0
30	.10	0	1-6	3-0	-----	0	4-0	.10	5-0	1-6	102	5-6
31	0	-----	17	2-7	-----	0	-----	.10	-----	1-0	66	-----
TOTAL	93-50	76-3	44-1	233-3	447-3	5-4	13-40	52-90	24-10	51-30	1-414-50	2-004-2
MEAN	3.02	2.54	1.42	7.53	15-4	.17	.45	1-71	.80	1-65	45-6	66-8
MAX	1-3	9-3	17	21	120	3-3	4-0	8-0	5-0	4-2	468	245
MIN	0	0	0	2-6	1-9	0	0	.10	.10	.40	.20	5-6
CFSM	.19	.16	.09	.48	.93	.01	.03	.11	.05	.11	2-91	4-26
IN.	.22	.18	.10	.55	1-06	.01	.03	.13	.06	.12	3-35	4-75
CAL YR 1963.	TOTAL	863-00	MEAN	2-36	MAX	105	MIN	0	CFSM	.15	IN	2-04
WAT YR 1964	TOTAL	4,460-30	MEAN	12-2	MAX	468	MIN	0	CFSM	.78	IN	10-57

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5-0	1-9	.60	1-2	.20	1-8	1-4	.20	0	1-2	19	2-0
2	6-7	1-7	.50	1-2	.70	1-7	1-4	.10	0	1-2	11	2-8
3	7-7	1-5	.40	1-2	.80	2-2	1-2	.10	0	1-1	9-7	8-6
4	6-7	1-4	2-2	1-2	.60	1-1	.40	.10	0	1-0	13	5-6
5	5-8	1-4	11	.60	.70	11	1-1	0	0	1-1	16	3-4
6	6-1	1-4	8-6	.30	.70	5-8	1-0	0	0	1-1	24	2-6
7	5-6	1-2	5-6	.30	.60	3-7	1-0	0	0	1-1	22	20
8	4-8	.90	4-2	.40	3-4	4-0	1-0	.40	0	1-0	40	15
9	4-0	.80	3-4	.30	1-0	3-0	1-0	0	2-0	1-0	100	13
10	3-6	.80	2-4	.30	.60	2-6	.70	0	1-5	1-0	60	6-2
11	3-0	.70	2-1	.30	.40	2-1	.70	0	1-7	.80	33	3-4
12	4-2	.60	1-9	.10	0	1-7	.70	0	2-0	1-5	20	2-5
13	6-9	.80	1-7	.10	0	1-7	.70	0	2-2	3-6	20	1-8
14	7-2	.60	1-5	.10	0	1-5	.60	0	2-1	7-2	18	1-7
15	8-0	.60	1-2	1-6	0	1-7	.60	0	2-0	5-2	14	2-4
16	7-5	.60	1-2	.30	0	1-7	.70	0	2-0	5-8	9-1	12-0
17	6-1	.60	1-0	.10	0	1-5	.60	0	1-6	10	7-2	25
18	5-0	.50	.90	.10	0	1-4	.50	0	3-0	9-0	5-4	15
19	4-2	.50	.90	.40	0	1-2	.40	0	1-0	7-0	6-9	10
20	3-6	.50	.90	.10	0	1-1	.20	0	1-8	5-0	6-5	5-6
21	3-0	.50	.90	.10	0	.80	.10	0	1-8	7-0	5-6	3-6
22	2-4	.50	.80	.10	0	1-0	.10	0	1-7	5-0	2-4	2-0
23	2-1	.60	.80	.10	.20	1-0	.10	0	1-7	50	3-4	2-3
24	1-9	.60	.80	.10	4-7	1-0	.40	0	1-5	25	2-8	2-1
25	1-9	.70	.70	.10	3-2	.80	1-0	0	1-4	18	2-1	.70
26	1-9	.80	.90	.10	2-6	.80	1-0	0	1-4	9-0	1-7	0
27	2-3	.80	1-0	.10	2-0	1-0	1-1	0	1-4	5-5	1-2	0
28	2-1	.70	1-7	.10	2-0	3-0	1-0	0	1-2	4-4	0	0
29	2-1	.70	1-7	10	-----	3-4	.60	0	1-2	3-7	0	1-8
30	2-3	.70	1-7	0	-----	2-5	.40	0	1-2	8-7	0	2-8
31	2-1	-----	1-4	0	-----	1-7	-----	0	-----	43	1-4	-----
TOTAL	135-8	25-40	64-60	11-00	21-40	80-80	22-40	0-50	38-00	245-20	477-0	174-60
MEAN	4-38	.85	2-08	.35	.46	2-61	.75	.016	1-27	7-91	15-4	5-82
MAX	8-0	1-9	11	1-6	4-7	13	1-4	.20	3-0	5-0	100	25
MIN	1-9	.50	.40	0	0	.80	.10	0	0	.80	0	0
CFSM	.28	.05	.13	.02	.05	.17	.05	.001	.50	.98	.98	.37
IN.	.32	.06	.15	.03	.05	.19	.05	.001	.09	.58	1-13	41
CAL YR 1964	TOTAL	4,472-20	MEAN	12-2	MAX	468	MIN	0	CFSM	.78	IN	10-59
WAT YR 1965	TOTAL	1,296-70	MEAN	3-55	MAX	100	MIN	0	CFSM	.23	IN	3-07

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2744 95 Williamson Ditch above S-7, near Okeechobee, Fla

Location --Lat 27°17'45", long 80°49'35", in NW¼ sec 34, T 36 S, R 35 E, near right bank 125 ft upstream from control structure 7, 450 ft upstream from mouth, and 3 6 miles north of Okeechobee, Okeechobee County

Drainage area --35 4 sq mi

Records available --March 1964 to September 1965

Gage --Graphic water-stage recorder and sharp-crested weir Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark) Prior to June 23, 1964, staff gage at site 125 ft downstream at same datum

Extremes--Maximum and minimum discharge from March 1964 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1964	Aug 28 1964	1,100	23 12	Mar 10, 1964	0 36	a 14 28
1965	Oct 14, 1964	83	20 24	(b)	0	19 37

a Minimum observed

b Part of each day, May 21, 24, 26, 27, June 1-3, 1965

Remarks --Records good except those prior to Aug 16, 1964, which are poor Flow regulated at times by stoplog control 2 miles upstream

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT
1						-	1.7	16	3 1	2.5	9 0	186
2						-	1.7	18	3 5	3 6	7 5	155
3						-	2.1	20	4 1	4.6	6 4	210
4						-	2.8	16	4.1	3 6	5 6	184
5						-	4.4	11	4 1	2 5	5 0	186
6						-	6 3	9 2	4 1	2 5	4 7	159
7						-	3 3	7 6	4 1	1 5	4 5	121
8						-	3 1	7 2	4 1	6.6	4 5	96
9						1 2	3 0	7 0	4 1	17	4 5	79
10						36	2 8	6 5	4 5	24	4 5	150
11						9 5	3.1	5 5	26	30	5 0	225
12						2 1	3 3	5 0	22	27	6 5	238
13						2 1	3 4	4 6	11	24	8 0	365
14						2.1	3 7	4 4	8 0	20	7 3	330
15						2 1	4 1	5.2	6 5	18	6 8	210
16						2 1	4 6	5 6	5 5	18	6 4	188
17						2 1	4 9	5 2	4 6	17	6 0	259
18						2 1	4 9	4 7	4 0	16	5 6	184
19						2.1	5.0	4 4	3 7	14	6.0	132
20						2 1	5 2	4 1	3 5	12	24	117
21						2 2	5 0	3 9	3 3	11	96	112
22						2 8	5 2	3 7	3 2	9 7	62	93
23						3 0	5 3	3 6	3 6	9 7	36	77
24						3 1	4 7	3 4	3 6	9 7	31	65
25						2 4	5 2	3 3	3 6	14	24	54
26						2 8	5 2	3 2	3 6	44	25	45
27						2.4	14	3 2	3 6	38	348	37
28						2 4	15	3 1	3 6	27	932	31
29						2.4	16	3 1	3.6	21	539	26
30						2 4	16	3 0	2.5	15	287	26
31						1.7	-----	3 0	-----	11	222	-----
TOTAL						-	165 0	203.7	168 8	474 5	2,739.8	4,340
MEAN						-	5 50	6 57	5 63	15 3	88.4	145
MAX						-	16	20	26	44	932	365
MIN						-	1.7	3 0	2 5	1 5	4.5	26
CFSM						-	16	19	16	43	2 50	4 10
IN						-	17	21	.18	50	2 88	4 56
AC-FT						-	327	404	335	941	5,430	8,610

2-2744 95 Williamson Ditch above S-7, near Okeechobee, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965														
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT		
1	25	5 8	4 9	4 2	3 4	8 1	7 8	2 8	77	4 0	10	5 2		
2	25	5 8	4 6	4 0	4 0	7 5	7 2	2 8	52	4 0	8 5	5 8		
3	23	5 8	4 6	4 0	4 0	7 2	5 8	2 4	77	4 0	8 5	6 5		
4	20	5 5	4 9	3 6	4 0	7 5	4 9	2 2	3 0	4 0	10	6 2		
5	18	5 5	8 2	3 6	4 2	7 8	4 6	1 8	4 6	4 0	11	5 5		
6	18	4 9	18	4 0	4 0	6 5	4 6	1 8	3 4	4 2	8 5	13		
7	15	4 6	14	3 6	5 5	5 5	4 6	2 2	5 8	4 2	7 5	7 2		
8	14	4 6	12	3 6	6 2	4 9	4 6	2 4	4 6	4 0	8 1	4 9		
9	14	4 6	9.5	3 6	5 5	4 6	4 2	2 8	4 6	4 0	7 8	4 2		
10	12	4 2	8.1	3 6	5 2	4 2	4 2	2 2	3 6	4 0	8 1	4 2		
11	10	4 2	7 5	4 0	4 6	4 0	4 2	1 8	3 6	4 0	7 8	4 2		
12	15	4 2	6 8	4 0	4 0	3 6	4 0	2 2	6 5	4 0	7 5	4 2		
13	32	4 2	6.2	4 0	4 0	3 6	3 6	1 8	7 2	4 0	8 1	4 2		
14	37	4 2	6 2	4 0	4 0	3 6	4 2	1 6	5 2	3 6	8 1	4 0		
15	33	4 6	5 8	4 0	4 6	4 6	4 2	1 8	4 9	3 6	7 8	3 6		
16	22	4 6	5 5	3 6	4 0	4 9	4 2	1 8	4 6	3 6	7 8	3 6		
17	22	4 2	5 2	3 4	4 0	4 6	4 0	1 6	4 2	4 2	9 5	4 9		
18	15	4 2	5 2	3 4	4 0	4 6	3 6	1 8	22	5 8	8 5	4 6		
19	11	4 0	4 9	3 4	4 6	4 6	3 4	1 8	61	9 5	7 5	4 6		
20	9 5	4 2	4 6	3 4	4 6	4 6	3 4	1 6	31	7 8	6 8	4 6		
21	7 8	4 2	4 6	3 4	4 6	4 2	3 4	1 6	13	10	6 2	4 2		
22	6 5	3 6	4 6	3 0	5 2	4 0	3 6	1 8	8 5	4 4	5 2	3 6		
23	6 2	4 0	4 6	3 0	11	4 0	3 6	2 2	7 8	3 9	4 6	3 6		
24	5 8	4 6	4 6	3 0	3 4	4 0	4 0	1 6	6 8	31	4 9	3 6		
25	5 5	4 6	4 6	3 4	3 4	4 0	3 6	1 8	6 2	18	5 2	3 6		
26	5 8	4 9	4 6	3 4	28	4 2	3 4	1 0	5 5	12	5 2	3 6		
27	6 2	4 6	4 6	3 6	16	22	3 4	1 0	5 5	9 0	5 2	4 2		
28	5 8	4 2	4 9	3 6	10	41	3 4	1 6	6 8	7 2	5 2	4 2		
29	6 2	4 6	4 9	3 4	-	28	3 0	1 3	5 2	6 2	4 9	4 9		
30	6 2	5 2	4 6	3 4	-----	13	2 4	1 3	4 2	6 5	5 2	5 5		
31	5 8	-----	4 6	3 6	-----	8 5	-----	1 3	-----	14	5 8	-----		
TOTAL	458.3	138 4	197 9	111.8	231 2	243 4	125 1	57 7	251 36	287 4	225 0	146 2		
MEAN	14 8	4 61	6 38	3 61	8 26	7 85	4 17	1 86	8 38	9 27	7 26	4 87		
MAX	37	5 8	18	4 2	3 4	41	7 8	2 8	61	4 4	11	13		
MIN	5 5	3 6	4 6	3 0	3 4	4 0	2 4	1 0	52	3 6	4 6	3 6		
CFSM	42	13	18	10	23	22	12	05	24	26	21	14		
IN	48	15	21	12	24	26	13	06	26	30	24	15		
AC-FT	909	275	393	222	459	483	248	114	499	570	446	290		
CAL YR 1964:	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-	AC-FT	-
WAT YR 1965:	TOTAL	2,473 76	MEAN	6.78	MAX	61	MIN	52	CFSM	19	IN	2 60	AC-FT	4,910



## 2-2745 Taylor Creek above Okeechobee, Fla

Location --Lat 27°17'03", long 80°49'20", in NW¼ sec 3, T 37 S, R 35 E, near center of channel, on downstream side of county bridge, 0.8 miles downstream from small tributary canal, 2.8 miles north of Okeechobee, Okeechobee County, and 7.6 miles upstream from Lake Okeechobee

Drainage area --98.7 sq miles

Records available --June 1955 to September 1965

Gage --Water-stage recorder Datum of gage is 8.22 ft above mean sea level, datum of 1929 Prior to Sept 15, 1962, at datum 10.00 ft higher Mar 9, to June 24, 1964, auxiliary reference point and since June 25, 1964, auxiliary water-stage recorder, at site on Taylor Creek above S-1, 1.1 miles upstream from base gage and 0.3 mile upstream from Williamson Ditch Mar 9 to June 22, 1964, auxiliary staff gage and since June 23, 1964, auxiliary water-stage recorder, at site on Williamson Ditch above S-7

Average discharge --10 years, 98.3 cfs (71,170 acre-ft per year)

Extremes --Maximum and minimum discharges for the water year 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Nov 2, 1960	a 82	b 6.22	May 17-24, 1961	0 10	c 2.68
1962	July 14, 1962	1,330	d 6.57	Mar 22-23, 1962	70	e 5.71
1963	Feb 28, 1963	f 200	g 7.41	May 10-13, 1963	h 1.8	i 3.62
1964	Aug 28, 1964	f 2,210	10.35	Mar 5, 1964	1.6	j 2.57
1965	July 22, 1965	f 194	k 7.26	June 2, 1965	1.0	m 3.32

a Maximum peak discharge, maximum discharge during year, 1,380 cfs Oct 1, 1960, stage falling  
 b Occurred Oct 1, 1960 c Occurred May 19, 20, 21, 1961 d Occurred Sept 6, 1962 (backwater from construction work)  
 e Occurred Sept 19, 1962 (affected by wind) f Maximum daily  
 g Occurred Oct 2, 1962 (affected by wind) h Minimum daily i Occurred Sept 19, 1965  
 j Occurred Dec 1, 1963 (affected by wind) k Occurred Feb 23, 1965 m Occurred Sept 8, 1965 (affected by wind)

1955-65 Maximum discharge, 6,930 cfs Oct 16, 1956 (gage height, 9.20 ft, datum then in use), no flow at times in some years, minimum gage height, 2.57 ft Dec 1, 1963

Remarks --Records fair except those for periods of indefinite stage-discharge relation, which are poor Records of chemical analyses for the water year 1962 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,310	71	1.8	4.0	5.3	1.6	1.3	.60	1.1	8.0	1.8	35
2	1,150	80	1.6	4.4	5.3	1.5	1.4	.60	1.0	14	1.5	26
3	995	73	1.4	4.0	5.6	2.0	1.2	.80	1.0	12	1.6	17
4	860	63	1.4	3.6	6.6	2.2	.90	1.2	.90	8.5	2.2	11
5	761	54	1.4	3.3	5.9	1.9	.80	1.2	.90	6.6	2.0	7.2
6	628	48	1.4	3.3	5.3	2.2	.90	.90	.90	4.4	2.2	5.3
7	530	43	1.3	3.0	5.3	2.3	1.0	.70	1.1	4.1	1.6	4.4
8	455	38	1.2	3.0	6.2	2.3	1.2	.60	.80	4.1	1.4	6.6
9	396	32	1.2	2.8	6.2	2.0	1.2	.70	4.4	3.9	2.0	14
10	346	26	1.1	8.0	5.9	1.8	1.0	.70	11	4.1	2.0	34
11	342	23	1.0	8.0	5.6	1.4	1.1	.50	10	4.7	1.9	25
12	342	20	1.1	6.9	5.0	1.3	1.2	.40	16	8.0	2.0	16
13	314	16	1.1	16	4.7	1.3	1.4	.40	15	5.6	2.0	12
14	289	13	1.1	36	4.4	2.3	1.4	.40	7.6	4.1	2.2	8.5
15	268	12	1.3	32	4.1	2.4	1.2	30	5.9	3.1	3.9	6.6
16	243	9.9	1.9	28	3.9	2.0	1.1	.20	9.3	2.2	5.3	5.3
17	223	9.9	2.1	23	3.5	1.9	1.1	.20	11	1.9	12	4.4
18	198	3.0	1.9	20	3.3	1.9	1.0	.10	10	3.1	16	3.9
19	186	8.9	1.8	17	3.1	2.2	.90	.10	9.3	4.1	14	3.3
20	166	5.6	1.9	15	3.1	2.2	.90	.10	6.8	5.3	14	2.9
21	147	4.8	2.3	12	2.9	2.2	.90	.10	5.6	7.6	12	2.7
22	131	4.4	3.0	11	2.7	2.0	.90	.10	4.7	7.6	11	2.4
23	113	3.6	3.3	9.3	2.6	1.9	.90	.10	4.1	5.9	9.8	2.2
24	96	3.3	3.6	8.5	2.3	1.7	.90	.10	10	5.0	4.4	2.2
25	84	3.0	3.6	8.0	2.2	1.5	.80	.20	9.3	4.7	3.9	2.0
26	73	2.8	4.0	7.2	1.9	1.4	.80	.80	6.8	4.1	3.7	2.0
27	61	2.5	4.4	6.8	1.9	1.2	.80	1.8	4.7	3.9	3.5	1.9
28	52	2.3	4.8	6.6	1.8	1.2	.70	2.0	4.7	3.3	4.7	2.0
29	44	2.1	4.6	5.9	-----	1.2	.70	1.6	5.6	3.1	20	2.0
30	36	1.9	4.4	5.3	-----	1.1	.70	1.4	7.6	2.6	30	2.0
31	38	-----	4.4	5.3	-----	1.0	-----	1.2	-----	2.0	35	-----
TOTAL	10,857	685.2	71.6	329.2	116.8	55.1	30.30	20.10	187.10	161.6	229.6	269.8
MEAN	350	22.6	2.31	10.6	4.17	1.78	1.01	.66	6.24	5.21	7.41	8.99
MAX	1,310	80	4.8	36	6.6	2.4	1.4	2.0	16	14	35	35
MIN	36	1.9	1.0	3.0	1.8	1.0	.70	.10	.80	1.9	1.4	1.9
CFSM	3,555	23	.02	.11	.04	.02	.01	.007	.06	.05	.08	.09
IN.	4.09	.26	.03	.12	.04	.02	.01	.008	.07	.06	.09	.10

CAL YR 1960 TOTAL 81,356.0 MEAN 228 MAX 2,330 MIN 1.0 CFSM 2.31 IN 31.41  
 WAT YR 1961 TOTAL 11,013.40 MEAN 25.7 MAX 1,310 MIN .10 CFSM .36 IN 4.90

Note --Shifting-control method used June 19 to July 25

2-2745 Taylor Creek above Okeechobee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.4	3.8	1.5	2.0	1.3	.90	6.2	2.7	18	440	64	1,070
2	2.7	4.2	1.4	1.6	1.3	1.0	6.0	2.4	21	912	57	1,080
3	2.7	4.2	1.4	1.5	1.5	1.0	5.4	2.4	20	1,190	51	1,100
4	2.6	4.3	1.4	1.5	1.6	1.0	5.4	2.5	15	1,040	54	1,100
5	2.5	4.5	1.4	1.4	1.7	1.0	5.4	6.0	11	824	58	1,000
6	2.4	4.2	1.4	1.3	1.8	1.0	5.4	19	8.5	620	62	900
7	2.4	4.0	1.4	1.7	2.0	1.0	9.5	19	6.9	478	63	800
8	2.2	4.2	1.4	1.9	2.1	1.0	25	15	5.8	357	81	650
9	2.2	3.8	1.2	1.8	2.1	1.0	27	17	5.2	302	142	550
10	2.1	3.6	1.1	1.8	2.2	1.0	22	18	23	425	204	450
11	2.2	3.1	1.0	1.8	2.3	1.2	15	19	89	467	226	350
12	2.2	2.7	.80	2.0	2.4	1.2	9.3	18	100	662	223	300
13	2.2	2.4	.80	1.9	2.5	1.3	8.5	15	105	1,140	251	270
14	2.2	2.2	.80	2.0	2.2	1.5	6.9	11	116	1,280	414	300
15	2.1	2.2	.80	2.0	2.2	1.6	5.4	7.8	110	1,160	445	210
16	2.2	2.1	.80	1.8	2.0	1.3	4.6	6.0	108	992	409	190
17	2.1	1.9	.80	1.6	1.8	1.4	4.6	5.2	149	739	366	175
18	2.4	1.8	.80	1.6	1.8	1.3	4.4	171	354	344	140	175
19	3.3	1.7	.80	1.4	1.3	1.2	3.8	4.0	167	420	331	155
20	3.2	1.5	.80	1.4	1.2	1.0	3.6	3.6	156	327	323	225
21	2.7	1.6	.90	1.4	1.2	.80	3.4	3.3	154	258	298	582
22	2.3	1.5	1.0	1.2	1.0	.80	3.1	4.9	161	214	261	674
23	2.2	1.6	1.2	1.3	1.0	.80	12	176	180	228	739	739
24	2.1	1.9	1.1	1.0	.90	1.3	2.5	13	204	156	217	787
25	2.1	2.2	1.0	1.0	1.2	2.2	2.3	10	302	138	228	716
26	2.1	2.1	.90	1.0	1.1	7.5	2.5	7.2	380	125	248	644
27	2.1	2.1	1.0	1.0	1.0	12	3.5	5.6	394	111	220	500
28	2.2	2.1	1.2	1.1	.90	8.9	3.4	6.6	362	99	251	350
29	2.7	1.9	1.1	1.2	-----	6.0	3.3	4.4	327	95	302	250
30	3.3	1.7	1.2	1.2	-----	4.6	3.0	4.0	327	86	512	170
31	3.5	-----	2.1	1.3	-----	5.2	-----	6.6	-----	75	872	-----
TOTAL	75.6	71.1	34.50	46.4	45.20	73.10	212.9	273.7	4,192.4	15,866	7,805	16,447
MEAN	2.44	2.70	1.11	1.50	1.61	2.36	7.10	8.83	140	512	252	548
MAX	3.5	4.5	2.1	2.0	2.4	12	27	19	394	1,280	872	1,100
MIN	2.1	1.5	.80	1.0	.90	.80	2.3	2.4	5.2	75	51	155
CFSM	.02	.03	.01	.02	.02	.02	.07	.09	1.42	5.19	2.55	5.55
IN.	.03	.03	.01	.02	.02	.03	.08	10	1.58	5.98	2.94	6.20

CAL YR 1961 TOTAL 1,590.80 MEAN 4.36 MAX 36 MIN .10 CFSM .04 IN .60  
 MAY YR 1962 TOTAL 45,152.90 MEAN 124 MAX 1,280 MIN .80 CFSM 1.25 IN 17.01

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	130	5.3	4.8	7.4	4.7	130	3.4	3.2	3.4	18	3.2	2.3
2	115	5.3	4.8	7.1	4.6	50	3.0	3.7	3.4	14	3.0	2.3
3	125	5.2	4.8	7.4	4.5	37	2.7	3.4	3.4	11	2.7	2.3
4	150	5.2	4.7	6.5	4.8	31	2.6	3.0	5.0	9.5	2.5	2.3
5	170	5.2	6.0	6.3	7.0	28	2.5	2.5	7.5	8.5	2.4	2.3
6	150	5.2	6.9	6.1	9.0	25	2.4	2.2	12	7.8	2.3	2.4
7	125	5.2	7.2	9.8	9.8	22	2.4	2.9	18	7.4	2.2	2.8
8	100	5.2	7.6	5.8	9.4	20	2.7	1.9	18	6.8	2.2	3.5
9	85	21	7.9	5.7	9.0	18	2.9	1.9	16	6.6	2.2	5.0
10	70	27	8.1	5.6	8.5	16	3.0	1.8	15	6.4	2.2	6.5
11	94	24	8.4	5.5	8.0	15	3.0	1.8	14	6.2	2.1	8.0
12	45	27	8.6	5.4	8.0	14	3.0	1.8	12	6.3	2.1	9.0
13	35	26	8.8	5.4	8.5	17	2.9	1.8	11	6.4	2.1	10
14	27	25	8.9	5.4	9.5	11	2.9	1.9	10	6.6	2.1	11
15	22	21	9.0	5.4	9.9	9.8	2.8	1.9	10	6.8	2.1	13
16	18	18	9.1	7.0	11	8.5	2.7	1.9	10	7.0	2.1	14
17	15	16	9.2	8.0	12	7.5	2.6	1.9	11	7.4	2.1	15
18	13	14	9.2	8.8	14	6.8	2.5	1.9	11	8.8	2.1	16
19	11	12	9.3	9.3	16	6.0	2.5	1.9	12	11	2.5	17
20	10	11	9.3	9.8	22	5.4	2.4	1.9	12	12	5.4	18
21	9.0	9.6	9.2	10	25	4.8	2.3	1.9	12	11	5.8	20
22	8.0	9.5	9.1	10	26	4.2	2.3	1.9	12	10	5.7	22
23	7.2	7.5	9.0	10	26	4.0	2.2	1.9	11	9.0	4.6	26
24	6.6	7.0	9.0	8.8	25	3.8	2.2	2.0	11	7.8	4.0	35
25	6.2	6.5	8.8	7.6	25	3.7	2.4	2.2	11	6.9	3.5	45
26	5.9	6.0	8.6	6.6	70	3.6	2.7	2.4	11	6.0	3.2	70
27	5.6	5.6	8.4	6.0	180	3.6	2.8	2.8	12	5.2	3.0	126
28	5.4	5.3	8.2	5.6	200	3.6	2.9	3.2	14	4.7	2.8	140
29	5.3	5.1	8.0	5.2	-----	4.0	2.9	3.3	17	4.2	2.6	150
30	5.3	5.0	7.8	5.0	-----	4.1	2.9	3.3	22	3.8	2.5	150
31	5.3	-----	7.6	4.9	-----	3.8	-----	3.3	-----	3.5	2.4	-----
TOTAL	1,539.8	353.9	246.3	212.9	767.2	516.2	80.6	72.8	347.7	246.6	89.7	946.7
MEAN	49.7	11.8	7.95	6.87	27.4	16.7	2.69	2.35	11.6	7.95	2.89	31.6
MAX	170	28	9.3	10	200	130	3.4	3.7	22	18	5.8	150
MIN	5.3	5.0	4.7	4.9	4.5	3.6	2.2	1.8	3.4	3.5	2.1	2.3
CFSM	.50	.12	.08	.07	.28	.17	.03	.02	.12	.08	.03	.32
IN.	.58	.13	.09	.08	.29	.19	.03	.03	.13	.09	.03	.36

CAL YR 1962 TOTAL 47,101.70 MEAN 129 MAX 1,280 MIN .80 CFSM 1.31 IN 17.75  
 MAY YR 1963 TOTAL 5,420.4 MEAN 14.9 MAX 200 MIN 1.8 CFSM .15 IN 2.04

Note --Stage-discharge relation indefinite the entire year

## 2-2745 Taylor Creek above Okeechobee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	140	3 0	6.7	65	19	5.0	5.3	31	6.1	20	15	470
2	131	2 8	6.3	76	18	4.0	5.1	34	6.4	16	13	327
3	80	2.7	6 0	78	13	3 0	6.0	61	7.0	13	11	540
4	60	2.5	5.6	78	19	2.3	6.4	47	7.0	8.4	9.5	405
5	45	2.4	5.3	78	212	1.6	7.7	37	7.0	6.8	8.6	381
6	38	2.7	5.1	78	240	2.8	9.3	25	7.0	6.4	8.8	336
7	31	3 5	4.7	77	240	4.2	8.1	23	7.0	4.8	7.9	236
8	26	4.6	4.5	76	225	6 0	8.2	23	7.0	13	8.6	154
9	23	5.4	4.2	74	210	8.8	8 3	20	7.0	27	8 8	149
10	20	6.0	4.0	70	190	7.2	8.3	16	7 0	35	8.4	496
11	17	14	3.8	65	173	14	8.1	13	14	40	10	707
12	15	2 3	3.6	60	120	6 4	7.7	11	32	34	13	597
13	14	21	3.5	56	90	5 9	7.3	9.2	22	29	17	1,020
14	13	21	3.3	52	70	5.3	7.8	9.0	15	24	16	1,010
15	12	21	3.2	49	55	4.8	8.2	9.4	12	24	18	589
16	11	20	3.1	46	45	4.3	8.7	10	10	24	17	479
17	10	20	4.0	44	37	4.1	6.5	11	8.6	23	22	583
18	9.0	19	1.2	41	31	4.7	6.6	10	7.9	22	15	398
19	8.5	13	1.6	38	27	5.1	6.6	9 2	7.3	19	13	271
20	8.0	16	15	36	23	5.4	6.9	8 6	6.8	17	41	232
21	7.4	15	14	34	20	4.8	6.7	8 1	6.5	16	296	212
22	7.0	14	14	32	17	5.6	6.8	7.6	6.2	14	242	172
23	6.3	12	13	30	15	6.2	6.5	7.3	6.2	16	196	144
24	5.8	11	13	28	13	6.4	6.7	7.0	7.0	14	168	120
25	5.3	10	12	27	12	6.2	7.3	6.7	7.7	20	122	94
26	4.8	9.2	12	25	11	6.1	7.3	6 5	9.5	54	91	84
27	4.5	8.6	11	24	9.2	6.2	16	6.3	11	49	760	75
28	4.1	8 0	11	23	8 0	6.2	23	6.1	10	36	2,210	68
29	3.8	7.6	11	22	7 0	6.0	29	6.0	8.0	30	1,310	62
30	3.5	7.1	11	21	-----	6.0	31	6.0	6.3	23	712	61
31	3.2	-----	25	20	-----	5.5	-----	5.9	-----	18	513	-----
TOTAL	787.2	337.1	266 9	1,523	2,174.2	170 1	287.4	490.9	282.5	696.4	6,921.6	10,472
MEAN	24.7	11.1	8.61	49.1	75.0	5.49	9.58	15.8	9.42	22.5	223	349
MAX	140	21	25	78	240	14	31	61	32	54	2,210	1,020
MIN	3.2	2.4	3.1	20	7 0	1.6	5.1	6.9	6.1	4.8	7.9	61
CFSM	.25	.11	.09	.50	.76	.06	.10	.16	.10	.23	2.26	3.54
IN.	.29	.13	.10	.57	.82	.06	.11	.18	.11	.26	2.61	3.95

CAL YR 1963 TOTAL 4,666 6 MEAN 12.7 MAX 200 MIN 1.8 CFSM .13 IN 1.75  
 WAT YR 1964 TOTAL 24,384.3 MEAN 66.6 MAX 2,210 MIN 1.6 CFSM .68 IN 9.19

Note --Stage-discharge relation indefinite the entire year

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	38	5.8	5.4	7.2	3 3	14	14	3 3	1.3	7.0	60	12
2	41	7.6	5.1	7.0	4 5	13	12	3.3	1.0	6.5	54	13
3	41	7.6	5.1	6.0	5.6	14	9.8	2.3	1.3	6.0	48	28
4	38	11	5.4	6.6	5 5	22	7.9	2.7	3 5	6.0	55	27
5	25	9.1	16	6.6	6.2	24	8 0	2.3	5.1	8.0	61	28
6	40	8.5	37	6.5	5.2	20	7.6	3 8	3.9	7.6	154	27
7	42	8.2	30	5 6	4.5	16	7.1	4.7	6.3	7.6	48	12
8	23	6.4	25	5 6	4.6	14	7.1	4.4	5.1	6.0	48	5.9
9	19	6.4	20	5.6	8.5	14	6.2	4.4	14	5.6	68	26
10	25	4.2	16	5.2	7.2	12	6.2	3.0	15	5.2	108	20
11	17	4.2	15	5.6	6.6	11	5.8	2.3	12	6.5	98	18
12	24	4.2	14	5.6	7.0	8.7	6.0	2.7	16	8.0	88	15
13	45	4.2	12	5.6	6.5	9 3	6.1	2 3	17	11	60	18
14	53	4.2	12	6.0	6.0	8.7	5.8	2 1	12	15	48	17
15	46	4.6	10	6.0	6 6	10	5.4	2.3	11	15	42	17
16	31	8.2	8.9	5.2	4.4	11	5.8	2 3	9.7	17	30	27
17	27	5 7	8.6	5.4	4.8	9.2	4.8	2 1	8.8	21	32	30
18	19	4 7	8.6	5.0	5.6	9.7	4.1	2 3	4.9	32	22	27
19	15	4 5	7.9	5.4	6.6	9.6	3.9	2 3	117	28	16	16
20	11	4 7	7.6	5.4	5.4	9.2	3.9	2 1	60	24	16	18
21	13	4.7	7.6	5.9	6.2	7 2	3.9	2.1	26	46	20	13
22	8.3	4.1	8.0	5.0	7.2	6.0	4.1	2 3	18	194	11	15
23	9.8	4.5	7.1	5 5	17	6.5	4.1	2.7	22	99	14	11
24	5.8	5.1	7.6	6.0	46	7.0	4.8	2.1	18	76	14	17
25	9 1	5.1	7.1	6.4	47	6.5	5.2	2.3	15	53	14	18
26	9.4	5 4	7.6	5.9	38	7 2	5.0	1.5	12	44	12	9.0
27	9.8	5.1	8.6	6.6	23	30	7.4	1.5	11	39	11	20
28	11	4.7	10	5 6	16	61	6.4	2.1	12	39	16	17
29	12	5.1	9.5	5.4	-----	41	5.5	1.8	9.2	41	10	18
30	8.0	5.7	8.6	4.8	-----	22	3.2	1.8	7.2	46	14	24
31	7.6	-----	7.6	5.2	-----	16	-----	1 8	-----	59	17	-----
TOTAL	723.8	173.5	358.9	181.2	325 0	468.8	187.1	79.6	519.4	979.0	1,209	558.9
MEAN	23.3	5.78	11.6	5.85	11.6	15.1	6.24	2.57	17.3	31.6	39.0	18.6
MAX	53	11	37	8.0	67	61	14	4.7	117	194	108	30
MIN	5.8	4.1	5.1	4.6	3.9	6.0	3.2	1 5	1.0	5.2	10	5.9
CFSM	.24	.06	.12	.06	.12	.15	.06	.03	.18	.32	.40	.19
IN.	.27	.07	.14	.07	.12	.18	.07	.03	.20	.37	.46	.21

CAL YR 1964 TOTAL 24,274.3 MEAN 66.3 MAX 2,210 MIN 1.6 CFSM .67 IN 9.15  
 WAT YR 1965 TOTAL 5,765.2 MEAN 19.4 MIN 1.0 CFSM .16 IN 2.17

Note --Stage-discharge relation indefinite Oct 1 to Nov 17, July 22 to Sept 30

## 2-2764 (revised) Lake Okeechobee, Fla

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

Surface area --448,000 acres (700 sq mi), at elevation 14 ft above mean sea level, from data furnished by Corps of Engineers

Drainage area --About 5,650 sq mi

Records available --October 1931 to September 1965 in reports of the Geological Survey 1912 to 1914 in reports or files of Corps of Engineers and 1915 to 1931 in reports or files of Everglades Drainage District

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

Extremes --Maximum and minimum daily elevations, in feet, for the water years 1961-65 are contained in the following table

Water year	Maximum daily		Minimum daily	
	Date	Elevation	Date	Elevation
1961	Oct 18, 1960	17 69	Aug 15, 1961	12 75
1962	Sept 30, 1962	a 14 90	June 7, 1962	10 22
1963	Oct 8-10, 1962	15 15	Sept 18, 1963	12 04
1964	Sept 30, 1964	14 15	Dec 15, 16, 1963	11 84
1965	Nov 7-9, 1964	14 63	June 8, 1965	12 28

a Occurred on rise preceding crest of Oct 9, 1962

1931-65 Maximum elevation, 24.0 ft Aug. 26, 1949, at Hurricane Gate No. 4 (wind effect), maximum daily elevation, 18.77 ft Nov. 2, 1947, minimum daily, 10.14 ft Aug. 17, 1956

Remarks --Reservoir is formed by diked natural lake. Lake level regulated by gates at several lake outlets. Total usable capacity of lake, 1,300,000 acre-ft between elevations 12.3 and 15.4 ft (corrected). Lake is used for navigation, and to store water for flood control and irrigation. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey.

Cooperation --Records furnished by Corps of Engineers, Jacksonville district

Capacity table, water years 1961-65 (elevation, in feet, and capacity, in acre-feet)

11.0	2,420,000	14.0	3,580,000	17.0	4,960,000
12.0	2,780,000	15.0	4,020,000	18.0	5,460,000

ELEVATION, IN FEET, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	16 91	17 62	16 59	15 30	14 78	14 39	14 30	13 68	13 47	13 14	12 83	12 90
2	17 00	17 61	16 50	15 28	14 74	14 37	14 28	13 64	13 47	13 13	12 81	12 91
3	17 04	17 54	16 47	15 25	14 74	14 39	14 28	13 63	13 45	13 12	12 81	12 92
4	17 09	17 56	16 43	15 20	14 75	14 37	14 27	13 57	13 44	13 11	12 81	12 94
5	17 14	17 54	16 41	15 18	14 71	14 36	14 20	13 55	13 42	13 09	12 82	12 93
6	17 18	17 53	16 35	15 15	14 69	14 36	14 17	13 54	13 38	13 05	12 81	12 93
7	17 24	17 45	16 32	15 15	14 70	14 36	14 18	13 51	13 39	13 03	12 79	12 94
8	17 34	17 41	16 27	15 14	14 74	14 33	14 13	13 48	13 40	13 03	12 78	12 94
9	17 40	17 39	16 23	15 13	14 72	14 28	14 14	13 50	13 40	13 02	12 77	12 97
10	17 43	17 38	16 19	15 16	14 67	14 26	14 14	13 52	13 44	12 99	12 77	13 01
11	17 49	17 37	16 17	15 14	14 64	14 23	14 13	13 49	13 44	13 00	12 78	13 01
12	17 52	17 34	16 13	15 13	14 62	14 22	14 18	13 46	13 41	12 97	12 80	13 01
13	17 55	17 31	16 05	15 19	14 60	14 22	14 15	13 43	13 40	12 95	12 78	13 02
14	17 58	17 27	15 99	15 21	14 59	14 33	14 08	13 41	13 38	12 92	12 76	13 01
15	17 64	17 23	15 97	15 23	14 58	14 32	14 06	13 39	13 39	12 91	12 75	12 99
16	17 66	17 22	15 96	15 20	14 55	14 31	14 05	13 37	13 40	12 87	12 76	12 99
17	17 68	17 20	15 88	15 18	14 53	14 29	14 00	13 33	13 38	12 83	12 77	12 99
18	17 69	17 18	15 82	15 16	14 51	14 28	13 98	13 29	13 37	12 84	12 83	12 98
19	17 68	17 14	15 78	15 14	14 50	14 33	13 92	13 26	13 32	12 88	12 82	12 97
20	17 68	17 10	15 74	15 10	14 51	14 34	13 89	13 24	13 21	12 93	12 81	12 96
21	17 68	17 06	15 70	15 06	14 51	14 35	13 85	13 22	13 15	12 97	12 82	12 95
22	17 66	17 01	15 63	15 02	14 52	14 34	13 83	13 18	13 16	12 96	12 78	12 96
23	17 64	16 97	15 55	14 99	14 48	14 32	13 82	13 18	13 16	12 94	12 77	12 91
24	17 62	16 93	15 52	14 97	14 49	14 28	13 80	13 11	13 13	12 92	12 78	12 89
25	17 59	16 90	15 50	14 94	14 54	14 25	13 79	13 16	13 11	12 92	12 77	12 86
26	17 56	16 85	15 46	14 92	14 46	14 22	13 78	13 22	13 12	12 91	12 77	12 85
27	17 56	16 80	15 41	14 91	14 41	14 20	13 75	13 34	13 17	12 90	12 78	12 84
28	17 58	16 77	15 38	14 88	14 40	14 19	13 73	13 42	13 19	12 89	12 80	12 81
29	17 58	16 73	15 36	14 85	-	14 20	13 72	13 46	13 18	12 88	12 85	12 77
30	17 55	16 68	15 33	14 82	-----	14 20	13 70	13 49	13 15	12 85	12 89	12 76
31	17 58	-----	15 32	14 80	-----	14 18	-----	13 49	-----	12 83	12 91	-----
MAX	17 69	17 62	16 59	15 30	14 78	14 39	14 30	13 68	13 47	13 14	12 91	13 02
MIN	16 91	16 68	15 32	14 80	14 40	14 18	13 70	13 11	13 11	12 83	12 75	12 76

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

## 2-2764 Lake Okeechobee, Fla --Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	12 74	12 39	12 09	11 71	11 52	11 22	11 02	10 72	10 31	11 14	12 05	12 97
2	12 73	12 38	12 08	11 68	11 51	11 20	11 01	10 69	10 33	11 20	12 09	13 03
3	12 72	12 38	12 08	11 68	11 51	11 15	11 01	10 67	10 33	11 24	12 11	13 08
4	12 70	12 36	12 07	11 68	11 49	11 15	10 98	10 67	10 28	11 29	12 12	13 14
5	12 67	12 36	12 07	11 68	11 48	11 13	10 92	10 73	10 26	11 34	12 12	13 20
6	12 63	12 38	12 07	11 69	11 46	11 08	10 94	10 76	10 24	11 37	12 12	13 25
7	12 61	12 39	12 06	11 68	11 46	11 05	10 98	10 76	10 22	11 41	12 14	13 30
8	12 58	12 38	12 04	11 67	11 45	11 02	11 06	10 76	10 23	11 45	12 15	13 40
9	12 57	12 36	12 02	11 66	11 43	11 00	11 07	10 74	10 25	11 51	12 15	13 44
10	12 55	12 33	12 02	11 65	11 41	10 99	11 09	10 74	10 32	11 56	12 18	13 47
11	12 53	12 30	12 02	11 64	11 44	10 97	11 09	10 71	10 32	11 59	12 18	13 49
12	12 53	12 29	12 01	11 63	11 41	10 97	11 08	10 74	10 34	11 68	12 18	13 53
13	12 52	12 28	12 00	11 62	11 41	10 95	11 02	10 66	10 34	11 75	12 18	13 56
14	12 51	12 27	11 98	11 64	11 41	10 94	10 99	10 63	10 38	11 79	12 20	13 59
15	12 50	12 26	11 97	11 67	11 40	10 92	10 98	10 59	10 47	11 83	12 28	13 61
16	12 49	12 26	11 97	11 67	11 37	10 88	10 92	10 57	10 49	11 85	12 34	13 64
17	12 48	12 26	11 96	11 66	11 37	10 87	10 91	10 55	10 55	11 86	12 38	13 67
18	12 48	12 23	11 93	11 65	11 36	10 84	10 90	10 51	10 61	11 88	12 40	13 68
19	12 56	12 20	11 93	11 67	11 35	10 82	10 89	10 50	10 65	11 91	12 42	13 74
20	12 54	12 19	11 88	11 69	11 33	10 80	10 89	10 51	10 69	11 92	12 46	13 89
21	12 51	12 18	11 86	11 68	11 33	10 78	10 86	10 51	10 82	11 93	12 50	14 12
22	12 48	12 15	11 85	11 67	11 32	10 76	10 82	10 52	10 88	11 95	12 54	14 23
23	12 47	12 16	11 86	11 66	11 31	10 75	10 80	10 49	10 88	11 94	12 57	14 38
24	12 46	12 20	11 80	11 65	11 29	10 78	10 78	10 49	10 93	11 94	12 59	14 52
25	12 45	12 17	11 77	11 65	11 30	10 87	10 76	10 49	10 97	11 98	12 62	14 61
26	12 43	12 17	11 77	11 64	11 28	11 03	10 77	10 45	10 99	12 01	12 66	14 70
27	12 39	12 17	11 76	11 64	11 26	11 04	10 78	10 44	11 00	12 01	12 75	14 77
28	12 39	12 16	11 77	11 63	11 26	11 03	10 78	10 41	11 01	12 02	12 79	14 81
29	12 40	12 12	11 72	11 58	-----	11 02	10 75	10 34	10 98	12 01	12 83	14 85
30	12 40	12 10	11 69	11 56	-----	11 01	10 73	10 30	11 06	12 02	12 86	14 90
31	12 41	-----	11 66	11 52	-----	11 00	-----	10 29	-----	12 04	12 92	-----
MAX	12 74	12 39	12 09	11 71	11 52	11 22	11 09	10 76	11 06	12 04	12 92	14 90
MIN	12 39	12 10	11 66	11 52	11 26	10 75	10 73	10 29	10 22	11 14	12 05	12 97

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

ELEVATION, IN FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	14 96	14 91	14 86	14 51	14 40	14 60	14 23	13 49	13 26	13 22	12 61	12 29
2	14 98	14 92	14 84	14 50	14 40	14 62	14 21	13 50	13 26	13 19	12 65	12 28
3	15 01	14 94	14 85	14 49	14 40	14 63	14 20	13 51	13 24	13 20	12 57	12 27
4	15 04	14 94	14 84	14 48	14 40	14 65	14 19	13 60	13 26	13 18	12 56	12 26
5	15 08	14 92	14 85	14 47	14 43	14 66	14 20	13 61	13 27	13 21	12 54	12 26
6	15 11	14 90	14 83	14 47	14 47	14 67	14 19	13 62	13 29	13 16	12 51	12 24
7	15 12	14 87	14 82	14 46	14 43	14 69	14 23	13 62	13 28	13 15	12 50	12 25
8	15 15	14 86	14 80	14 46	14 40	14 71	14 14	13 59	13 27	13 15	12 49	12 22
9	15 15	14 99	14 78	14 45	14 38	14 72	14 13	13 59	13 29	13 12	12 51	12 19
10	15 15	15 02	14 75	14 45	14 36	14 72	14 13	13 60	13 29	13 10	12 48	12 18
11	15 11	14 99	14 73	14 45	14 37	14 71	14 09	13 62	13 30	13 04	12 48	12 16
12	15 10	14 98	14 71	14 45	14 44	14 69	14 06	13 53	13 29	13 03	12 45	12 13
13	15 10	14 97	14 69	14 45	14 44	14 68	14 03	13 48	13 29	13 01	12 42	12 12
14	15 10	14 96	14 63	14 45	14 41	14 68	13 96	13 46	13 30	13 01	12 40	12 11
15	15 11	14 95	14 62	14 44	14 39	14 65	13 91	13 44	13 30	12 99	12 38	12 09
16	15 07	14 95	14 61	14 43	14 39	14 65	13 86	13 42	13 30	12 98	12 37	12 08
17	15 08	14 95	14 61	14 44	14 43	14 64	13 83	13 39	13 30	12 96	12 35	12 06
18	15 07	14 95	14 60	14 44	14 44	14 63	13 83	13 35	13 29	12 96	12 30	12 04
19	15 06	14 95	14 60	14 44	14 49	14 61	13 80	13 31	13 29	12 93	12 28	12 07
20	15 05	14 95	14 60	14 45	14 52	14 59	13 78	13 27	13 26	12 92	12 34	12 11
21	15 04	14 96	14 59	14 44	14 50	14 55	13 76	13 27	13 25	12 91	12 39	12 12
22	15 02	14 97	14 59	14 43	14 47	14 52	13 74	13 26	13 20	12 87	12 43	12 13
23	15 05	14 95	14 59	14 43	14 45	14 50	13 69	13 25	13 18	12 84	12 43	12 15
24	15 03	14 93	14 58	14 42	14 45	14 45	13 63	13 20	13 17	12 79	12 42	12 17
25	15 00	14 92	14 58	14 42	14 45	14 42	13 63	13 21	13 16	12 77	12 42	12 31
26	14 96	14 90	14 59	14 41	14 54	14 40	13 63	13 20	13 19	12 69	12 40	12 32
27	14 92	14 87	14 58	14 41	14 60	14 37	13 60	13 19	13 21	12 66	12 39	12 32
28	14 91	14 86	14 57	14 40	14 59	14 35	13 53	13 25	13 21	12 66	12 38	12 33
29	14 89	14 86	14 56	14 40	-----	14 31	13 46	13 24	13 21	12 65	12 35	12 36
30	14 91	14 87	14 55	14 39	-----	14 29	13 46	13 26	13 22	12 62	12 33	12 33
31	14 93	-----	14 53	14 39	-----	14 27	-----	13 29	-----	12 60	12 31	-----
MAX	15 15	15 02	14 86	14 51	14 60	14 72	14 23	13 62	13 30	13 22	12 65	12 36
MIN	14 89	14 86	14 53	14 39	14 36	14 27	13 46	13 19	13 16	12 60	12 28	12 04

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

## 2-2764 Lake Okeechobee, Fla --Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	12 31	11 99	11 95	12 39	12 83	13 27	13 13	13 04	12 81	13 03	13 19	13 69
2	12 31	11 98	11 92	12 40	12 85	13 28	13 12	13 14	12 79	13 04	13 18	13 70
3	12 35	11 94	11 91	12 41	12 88	13 29	13 12	13 15	12 78	13 04	13 17	13 71
4	12 40	11 93	11 90	12 42	12 92	13 30	13 08	12 97	13 12	13 02	13 17	13 75
5	12 34	11 94	11 89	12 45	13 04	13 32	13 12	13 05	12 95	13 03	13 16	13 75
6	12 33	11 97	11 89	12 46	13 06	13 33	13 10	13 05	13 09	13 01	13 16	13 77
7	12 33	11 96	11 88	12 52	13 06	13 32	13 11	13 01	13 16	13 03	13 15	13 77
8	12 34	11 96	11 89	12 54	13 03	13 32	13 12	12 99	13 13	13 05	13 15	13 77
9	12 31	11 97	11 88	12 56	13 02	13 32	13 08	12 97	13 12	13 08	13 16	13 78
10	12 31	11 99	11 86	12 56	13 05	13 32	13 07	12 95	13 13	13 09	13 16	13 79
11	12 30	12 09	11 86	12 56	13 09	13 32	13 06	12 93	13 16	13 10	13 19	13 81
12	12 29	12 12	11 86	12 59	13 13	13 31	13 05	12 91	13 12	13 10	13 22	13 83
13	12 28	12 08	11 87	12 61	13 20	13 31	13 04	12 94	13 10	13 08	13 22	13 84
14	12 28	12 04	11 87	12 62	13 20	13 30	13 02	12 98	13 09	13 09	13 22	13 87
15	12 24	12 03	11 84	12 63	13 23	13 30	13 01	12 99	13 09	13 07	13 22	13 92
16	12 27	12 04	11 84	12 65	13 23	13 29	13 00	12 98	13 10	13 05	13 24	13 98
17	12 26	12 03	11 95	12 70	13 20	13 28	12 98	13 00	13 10	13 04	13 24	14 04
18	12 23	12 03	12 00	12 73	13 20	13 27	12 96	12 98	13 03	13 03	13 24	14 06
19	12 22	12 03	11 98	12 74	13 16	13 26	12 94	12 96	13 03	13 02	13 24	14 09
20	12 22	12 03	11 97	12 75	13 16	13 25	12 91	12 96	12 98	13 01	13 27	14 12
21	12 19	12 04	12 02	12 76	13 20	13 24	12 89	12 94	12 95	13 00	13 27	14 14
22	12 18	12 04	11 99	12 79	13 19	13 23	12 84	12 91	12 97	13 02	13 27	14 14
23	12 16	12 03	12 02	12 79	13 25	13 22	12 77	12 93	13 00	13 06	13 27	14 16
24	12 18	12 03	12 04	12 81	13 29	13 21	12 76	12 93	13 03	13 08	13 30	14 14
25	12 16	12 02	12 00	12 81	13 28	13 20	12 81	12 93	13 02	13 14	13 31	14 14
26	12 13	12 03	12 02	12 81	13 27	13 20	12 86	12 90	13 03	13 19	13 32	14 14
27	12 12	12 03	12 02	12 81	13 26	13 19	12 89	12 89	13 04	13 22	13 40	14 12
28	12 11	12 02	12 02	12 81	13 25	13 18	12 96	12 89	13 05	13 22	13 54	14 12
29	12 08	12 08	12 01	12 81	13 26	13 17	13 01	12 87	13 03	13 21	13 62	14 14
30	12 04	11 96	12 05	12 82	-----	13 15	13 03	12 85	13 02	13 23	13 64	14 15
31	12 02	-----	12 29	12 82	-----	13 14	-----	12 85	-----	13 21	13 66	-----
MAX	12 40	12 12	12 29	12 82	13 29	13 33	13 13	13 15	13 16	13 23	13 66	14 15
MIN	12 02	11 93	11 84	12 39	12 83	13 14	12 76	12 85	12 78	13 00	13 15	13 69

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

ELEVATION, IN FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	14 16	14 59	14 39	14 32	13 94	14 22	14 42	13 55	12 51	13 13	13 60	13 79
2	14 18	14 61	14 38	14 30	13 96	14 23	14 39	13 51	12 46	13 12	13 61	13 80
3	14 19	14 61	14 37	14 27	13 90	14 26	14 38	13 48	12 42	13 10	13 62	13 83
4	14 22	14 61	14 38	14 26	13 87	14 32	14 37	13 43	12 39	13 10	13 63	13 81
5	14 24	14 62	14 43	14 25	13 85	14 34	14 34	13 40	12 36	13 08	13 63	13 80
6	14 21	14 62	14 45	14 24	13 96	14 33	14 32	13 36	12 31	13 07	13 64	13 78
7	14 19	14 63	14 44	14 23	14 13	14 28	14 30	13 34	12 31	13 06	13 64	13 83
8	14 17	14 63	14 44	14 22	14 20	14 27	14 27	13 31	12 28	13 04	13 65	13 88
9	14 16	14 63	14 43	14 22	14 21	14 25	14 25	13 27	12 34	13 03	13 66	13 97
10	14 16	14 61	14 43	14 21	14 22	14 26	14 21	13 24	12 38	13 02	13 68	13 98
11	14 15	14 60	14 42	14 21	14 22	14 24	14 16	13 21	12 50	13 04	13 70	13 98
12	14 20	14 59	14 42	14 21	14 22	14 22	14 14	13 20	12 71	13 06	13 71	13 99
13	14 23	14 60	14 42	14 20	14 22	14 21	14 09	13 17	12 79	13 09	13 69	13 98
14	14 26	14 57	14 41	14 19	14 20	14 29	14 03	13 16	12 80	13 13	13 70	13 98
15	14 44	14 57	14 40	14 18	14 19	14 34	13 98	13 11	12 84	13 14	13 72	13 98
16	14 48	14 56	14 39	14 17	14 19	14 36	13 92	13 08	12 87	13 17	13 74	13 98
17	14 49	14 55	14 39	14 15	14 18	14 37	13 88	13 06	12 88	13 19	13 74	13 99
18	14 49	14 55	14 38	14 13	14 18	14 38	13 84	13 04	12 94	13 24	13 70	13 98
19	14 49	14 54	14 37	14 12	14 16	14 39	13 80	13 02	13 06	13 30	13 71	13 98
20	14 49	14 53	14 36	14 11	14 16	14 40	13 76	12 98	13 07	13 39	13 70	13 98
21	14 45	14 52	14 36	14 09	14 14	14 34	13 74	12 89	13 05	13 45	13 68	13 97
22	14 43	14 51	14 35	14 08	14 13	14 31	13 71	12 86	13 05	13 47	13 70	13 95
23	14 42	14 50	14 35	14 07	14 21	14 30	13 70	12 81	13 06	13 50	13 70	13 97
24	14 43	14 49	14 34	14 06	14 26	14 29	13 68	12 80	13 07	13 50	13 66	13 98
25	14 42	14 48	14 33	14 05	14 27	14 29	13 70	12 76	13 08	13 52	13 68	13 97
26	14 44	14 47	14 33	14 04	14 25	14 28	13 73	12 72	13 14	13 52	13 68	14 01
27	14 44	14 45	14 33	14 03	14 24	14 34	13 70	12 68	13 15	13 52	13 67	14 04
28	14 49	14 44	14 37	14 02	14 23	14 38	13 68	12 65	13 13	13 53	13 68	14 06
29	14 55	14 43	14 36	14 01	-----	14 40	13 64	12 61	13 12	13 57	13 79	14 08
30	14 57	14 42	14 33	14 00	-----	14 43	13 58	12 57	13 12	13 58	13 79	14 12
31	14 58	-----	14 32	14 00	-----	14 43	-----	12 54	-----	13 59	13 77	-----
MAX	14 58	14 63	14 45	14 32	14 27	14 43	14 42	13 55	13 15	13 59	13 79	14 12
MIN	14 15	14 42	14 32	14 00	13 85	14 21	13 58	12 54	12 28	13 02	13 60	13 78

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

2-2769 84 (revised) Monreve Ranch drainage canal near Stuart, Fla

Location --Lat 27°03'40", long 80°19'11", in SE $\frac{1}{4}$  sec 22, T 39 S , R 40 E , on right bank, 12 ft above dam, 200 ft upstream from mouth, and 10 miles southwest of Stuart, Martin County

Drainage area --6 20 sq mi

Records available --June 1959 to September 1965

Gage --Water-stage recorder and steel-plate control Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Average discharge --6 years, 7 96 cfs (5,760 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 26, 1961	214	18 21	Many days, 1960	0 20	a 15 90
1962	Aug 19, 1962	160	17 95	June 20, 1962	10	15 85
1963	May 3, 1963	52	17 13	Sept 3-5, 1963	b 30	c 15 85
1964	Aug 27, 1964	474	19 10	June 17, 1964	40	d 16 01
1965	Oct 14, 1964	496	19 16	Sept 16, 1965	40	16 00

a Occurred Dec 1, 15, 1960

b Minimum daily

c Occurred Sept 4, 5, 1963

d Occurred June 17, 1964

1959-65 Maximum discharge, 765 cfs Sept 23, 1960 (gage height, 19 78 ft), from rating curve extended above 170 cfs by logarithmic plotting, minimum, 0 10 cfs June 20, 1962 (gage height, 15 85 ft)

Remarks --Records fair except those for periods of no gage-height record, which are poor Flow occasionally regulated by stoplog control 1,500 ft upstream Discharge includes flow diverted from St Lucie Canal for irrigation

Cooperation --Record of diversions furnished by Agricultural Research Service, Department of Agriculture

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	43	7.8	.20	1.0	.60	2.3	24	.80	30	15	.50	5.1
2	33	5.4	.30	.80	.80	2.8	8.8	.70	22	11	.40	4.2
3	27	.90	.50	1.0	1.9	3.3	4.1	.70	17	7.6	1.0	3.7
4	18	1.6	.40	1.7	1.1	2.5	2.5	.60	14	6.6	1.0	3.1
5	15	2.0	.40	2.6	1.3	2.0	1.7	.60	8.1	5.1	.60	2.6
6	12	1.8	.30	2.6	1.2	2.0	1.3	.50	7.2	4.2	.50	2.3
7	10	1.4	.30	2.8	.90	1.8	1.1	.40	6.2	3.9	.50	2.0
8	9.2	1.1	.30	2.8	.80	1.7	1.0	.40	6.8	3.7	.50	1.9
9	18	1.0	.30	2.2	.60	2.1	.80	1.1	15	3.7	.60	1.7
10	17	.80	.20	1.5	.60	2.8	.70	1.6	15	3.9	.80	1.5
11	14	.70	.20	1.3	.60	2.2	.60	1.5	11	3.1	6.3	1.0
12	10	.60	.20	21	.60	2.8	.50	1.4	8.4	2.6	6.2	.60
13	10	.60	.20	40	.60	4.0	.40	1.3	6.6	2.0	2.5	.50
14	23	.60	.20	30	.50	27	1.4	1.3	5.4	1.7	1.5	.60
15	32	.60	.20	15	.60	7.7	2.9	1.0	4.6	1.3	6.2	3.2
16	24	.60	.20	5.9	1.8	3.9	1.6	.80	4.2	1.0	12	1.6
17	18	.50	.20	1.3	3.4	2.6	1.0	.70	2.5	1.2	4.9	.90
18	16	.50	.20	1.5	3.5	1.8	1.4	.60	1.8	3.0	2.5	.70
19	18	.50	.20	1.8	3.3	1.4	1.6	.60	1.9	4.6	2.0	.60
20	15	.40	.20	1.7	3.1	1.1	1.5	.60	1.5	4.2	2.2	3.4
21	12	.40	.20	1.5	2.2	1.0	1.2	.50	1.0	3.7	2.0	1.2
22	9.6	.30	.20	1.3	1.8	.80	1.1	.50	1.6	3.1	3.3	.70
23	8.8	.30	.30	1.1	1.7	.60	1.2	1.2	6.5	2.6	5.4	2.8
24	6.3	.30	.80	1.0	1.2	.60	1.2	4.8	4.4	2.2	4.4	.80
25	5.5	.30	1.0	1.0	1.6	.50	1.0	2.5	3.3	1.8	7.6	.70
26	5.4	.30	1.0	1.0	1.4	.50	.80	62	3.1	1.4	16	1.8
27	4.9	.20	.80	.90	1.4	.50	.70	73	6.5	1.0	17	1.9
28	3.9	.20	.70	.80	2.2	1.6	1.0	41	21	.80	14	1.3
29	2.9	.20	1.0	.70	-----	2.3	1.0	74	30	1.0	15	.90
30	.90	.20	1.3	.70	-----	2.3	1.0	64	22	.70	8.8	.70
31	.90	-----	1.5	.60	-----	2.3	-----	46	-----	.60	6.2	-----
TOTAL	442.30	32.10	14.00	149.10	41.30	90.80	69.10	386.70	288.6	108.30	152.40	54.00
MEAN	14.3	1.07	.45	4.81	1.48	2.93	2.30	12.5	9.62	3.49	4.92	1.80
MAX	43	7.8	1.5	40	3.5	27	24	74	30	15	17	5.1
MIN	.90	.20	.20	.60	.50	.50	.40	1.0	.60	.60	.40	.50
CFSM	2.30	.17	.07	.78	.24	.47	.37	2.01	1.55	.56	.79	.29
IN.	2.65	.19	.08	.89	.25	.54	.41	2.32	1.73	.65	.91	.32
CAL YR 1960.	TOTAL 4,516.80			MEAN 12.3	MAX 378	MIN .20	CFSM 1.99	IN 27.09				
WAT YR 1961:	TOTAL 1,828.70			MEAN 5.01	MAX 74	MIN .20	CFSM .81	IN 10.57				

## 2-2769 84 Monreve Ranch drainage canal near Stuart, Fla --Continued

Daily mean diversions, in cubic feet per second, from St Lucie Canal, water year 1961

Nov 17, 1960	5	Dec 8	20	Jan 19	15	Feb 27	10	Apr 15	20
18	20	22	10	24	5	28	20	17	5
20	10	23	20	25	20	1	15	18	15
22	5	24	20	5	10	2	20	19	20
23	20	28	10	9	5	3	5	23	15
24	20	29	20	10	10	8	5	28	20
27	5	30	15	11	11	9	20	May 19	10
28	10	2, 1961	10	14	5	10	10	June 18	5
1	20	2	20	15	20	27	10	Aug 3	20
2	20	4	20	16	20	28	20	Sept 20	20
3	10	5	10	17	10	29	10	23	20
6	10	7	5	24	10	Apr 13	10	26	15
7	20	18	20	25	10	14	20		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.0	.80	.90	1.1	.50	.40	.90	.60	.30	.60	11	18
2	.90	.70	.90	1.2	.40	.50	1.9	2.3	.30	.60	9.6	15
3	.70	.60	1.0	.80	.40	.60	2.3	2.2	.20	.60	8.8	13
4	.60	.60	1.1	.70	.40	.50	1.7	3.7	.20	.60	8.0	12
5	.80	.60	1.1	.60	.40	.40	1.4	13	.20	.50	7.2	10
6	1.0	.60	1.1	.60	.50	.40	1.0	12	.20	.40	6.6	9.6
7	.80	.60	.90	.60	.60	.40	26	6.0	.20	3.3	6.2	10
8	.60	.50	.80	.50	.60	.30	39	2.6	.20	1.6	5.7	14
9	.60	.50	.70	.50	.60	.30	18	1.7	.20	.70	5.1	12
10	.60	1.0	.70	.60	.70	.30	5.7	1.4	.20	.50	4.9	10
11	.60	.90	.60	.60	.60	.30	4.2	1.0	.20	.50	4.9	8.8
12	.60	.80	.60	.60	.50	.20	3.5	.80	.20	.50	4.6	8.4
13	.50	.70	.60	.60	.40	.20	3.0	.60	.20	.50	3.9	9.2
14	.50	.60	.80	.70	.40	.30	2.6	.40	.20	.50	6.4	34
15	.50	.50	.90	.60	.40	.40	2.2	.30	.20	.50	23	39
16	.40	.50	.80	.60	.40	.40	1.8	.30	.20	.50	44	25
17	.90	.90	.80	.60	.40	.40	1.5	.30	.20	.50	69	18
18	1.7	1.0	.80	.60	.40	.30	1.4	.20	.20	.50	64	15
19	1.4	.80	.80	.70	.30	.30	1.1	.20	.20	6.9	83	13
20	1.1	.80	.80	.70	.30	.40	.90	.20	.20	23	92	25
21	.90	.70	.80	.70	.40	.40	.80	.20	.20	52	57	87
22	.80	1.0	.80	.80	.40	.40	.60	.90	.30	46	56	63
23	.70	1.2	.80	.80	.40	1.0	.50	.70	2.8	32	57	47
24	.70	1.0	.80	.90	.40	2.3	.40	.40	3.1	26	44	49
25	.70	.80	.80	.60	.40	.39	.40	.30	1.8	22	36	43
26	.70	.80	.80	.70	.40	.38	5.4	.30	1.2	19	31	35
27	.60	.70	.80	.70	.40	14	5.1	.30	.90	18	27	29
28	.60	.60	.80	.70	.40	2.3	3.1	.30	.70	17	25	26
29	.60	.60	.80	.60	1.2	1.8	.30	.30	.60	14	21	27
30	.60	1.0	.80	.60	1.4	1.0	.30	.30	.50	13	19	22
31	.60	-----	.80	.50	1.2	-----	.20	-----	-----	13	21	-----
TOTAL	23.30	22.40	25.50	21.30	12.40	104.50	139.20	54.00	16.30	315.30	861.9	747.0
MEAN	.75	.75	.82	.69	.44	3.50	4.64	1.74	.54	10.2	27.8	24.9
MAX	1.7	1.2	1.1	1.2	.70	.39	.39	.13	.3.1	.52	.92	.87
MIN	.40	.50	.60	.50	.30	.20	.40	.70	.20	.40	3.9	8.4
CFSM	12	12	13	11	.07	.56	.75	.28	.09	1.64	4.48	4.02
IN.	.14	.13	.15	.13	.07	.65	.83	.32	.10	1.89	5.17	4.48
CAL YR 1961	TOTAL 1,411.50	MEAN 3.87	MAX 74	MIN .40	CFSM .62	IN 8.47						
WAT YR 1962	TOTAL 2,347.10	MEAN 6.43	MAX 92	MIN .20	CFSM 1.04	IN 14.08						

Note --No gage-height record Mar 21 to May 15

Daily mean diversions, in cubic feet per second, from St Lucie Canal, water year 1962

Oct 4, 1961	7	Dec 5	18	Dec 30	20	Feb 6	20	Mar 14	20
5	7	12	7	31	20	7	20	15	20
10	8	13	20	Jan 1, 1962	20	8	20	16	20
16	12	14	20	2	7	9	20	20	20
17	7	15	20	9	7	10	6	21	20
31	8	16	20	10	14	20	14	22	20
Nov 9	8	17	20	12	15	21	20	23	20
10	6	18	20	13	14	22	20	24	20
16	9	19	20	15	6	23	20	25	13
17	6	20	20	16	7	24	20	Apr 24	6
21	7	21	20	17	7	25	20	25	6
22	11	22	20	18	7	26	20	May 21	8
28	1	23	20	19	5	27	20	22	12
29	6	24	20	20	20	28	20	26	6
30	20	25	20	21	20	29	20	27	7
Dec 1	20	26	20	22	20	30	20	28	2
2	20	27	20	23	20	31	14	June 5	5
3	20	28	20	24	7	13	11	6	1
4	20	29	20	Feb 5	9				



## 2-2769 84 Monrevere Ranch drainage canal near Stuart, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	SEPT.
1	19	.90	1.2	.80	1.0	1.2	1.1	.80	2.8	1.0	.40
2	17	.80	3.7	.80	1.0	1.2	1.0	1.2	2.3	.60	.40
3	14	.70	2.8	.80	.90	1.2	1.0	1.4	2.2	.60	.30
4	12	.70	1.4	.70	1.0	1.1	1.4	1.1	2.0	.60	.30
5	10	.60	1.5	.70	1.0	1.0	1.4	4.4	1.7	.60	.30
6	8.8	.60	2.5	.70	1.0	1.0	1.9	2.6	2.0	1.9	.50
7	7.6	.90	3.1	.70	1.0	1.0	3.1	1.9	1.7	1.2	.50
8	6.9	.80	2.8	.70	.90	1.0	2.3	1.4	1.4	1.2	.40
9	6.0	.90	2.8	.70	.90	1.0	2.8	1.0	1.2	1.0	.40
10	4.6	.70	4.2	.70	.90	1.1	2.3	.90	1.0	.50	.40
11	3.9	.70	4.4	.70	.80	1.0	2.5	1.8	.80	.40	.40
12	2.6	.70	4.4	.70	1.0	1.0	2.5	.90	.70	2.0	.50
13	2.5	1.2	4.4	.70	1.0	.90	2.3	.70	.70	.80	.40
14	1.6	.90	4.4	.90	1.0	.90	1.8	.60	.60	.60	.40
15	1.5	.70	4.2	1.6	1.0	.90	1.7	.50	1.6	.50	.60
16	1.7	.70	3.7	1.6	1.0	1.0	1.7	.50	1.7	.40	.60
17	1.6	.70	3.9	1.4	1.1	1.8	1.7	.40	.70	.40	.60
18	1.6	.60	4.2	1.2	1.1	1.9	1.6	.70	.60	1.0	.60
19	1.4	.60	3.9	1.2	1.2	2.6	1.5	.80	.60	.60	8.8
20	1.2	.60	3.9	1.2	1.2	2.8	1.5	.60	.70	.50	.40
21	1.1	.70	3.9	1.2	1.1	3.0	1.5	2.2	.70	.40	6.2
22	1.0	2.8	3.1	1.2	1.2	2.8	1.6	.90	.60	.40	4.8
23	1.0	1.2	1.4	1.2	1.1	2.5	1.2	.70	2.2	.40	6.0
24	.90	3.3	1.2	1.2	1.1	2.5	1.0	.60	.90	.40	7.2
25	.80	1.1	1.0	1.2	1.0	2.5	.90	.50	.80	.60	1.5
26	1.2	.80	1.0	1.2	1.2	2.0	1.0	.50	.80	.90	2.3
27	7.7	2.5	1.0	1.2	1.2	1.7	.90	.50	.80	.60	2.2
28	5.7	3.0	.90	1.1	1.2	1.5	.80	.50	.40	1.0	2.3
29	2.5	1.4	.90	1.1	1.5	1.5	.80	1.3	.60	.80	3.0
30	2.0	1.2	.90	1.0	1.0	1.4	.70	6.5	2.8	.60	.40
31	1.2	-----	.80	1.0	-----	1.2	-----	4.2	-----	.80	.40
TOTAL	150.60	33.00	83.50	31.10	29.00	48.20	47.50	65.10	47.30	22.70	32.50
MEAN	4.86	1.10	2.69	1.00	1.04	1.55	1.58	2.10	1.58	.73	1.05
MAX	19	3.3	4.4	1.6	1.2	3.0	3.0	4.4	6.8	2.0	8.8
MIN	.80	.60	.80	.70	.80	.90	.70	.40	.40	.40	.30
CAL YR 1962: TOTAL	2,543.00	MEAN 6.97	MAX 92	MIN -20	CFSM 1.12	IN 15.25					
WAT YR 1963: TOTAL	691.50	MEAN 1.89	MAX 19	MIN -30	CFSM .31	IN 4.15					

## Daily mean diversions, in cubic feet per second, from St Lucie Canal, water year 1963

	Oct 26, 1962	12	Dec 11	8	Mar 17	9	Apr 13	20	May 21	8
26	6	12	11	20	18	14	14	20	June 8	15
29	9	13	20	19	20	20	15	20	19	8
30	9	14	20	20	20	20	16	20	22	7
Nov 6	8	15	20	21	20	17	20	20	25	19
7	7	16	20	22	20	18	20	July 2	12	3
12	8	17	20	23	20	19	20	20	3	6
13	9	18	20	24	20	20	20	20	11	7
21	8	19	20	25	12	21	20	20	12	7
22	14	20	20	Apr 3	6	22	11	11	17	6
26	13	20	20	4	7	1	11	18	18	5
27	20	22	13	5	7	1	20	22	5	5
28	7	Jan 13, 1963	7	6	20	3	6	24	14	14
Dec 1	12	14	20	7	20	9	9	25	20	20
2	10	15	20	8	20	10	20	26	6	6
5	16	16	20	9	15	11	6	9	9	9
6	9	17	20	10	13	17	11	Aug 10	13	13
7	15	18	20	11	20	18	22	26	6	6
9	6	19	14	12	20	20	13	29	13	13
10	8	Mar 16	14							

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.5	3.3	1.5	5.3	1.8	1.0	1.5	1.4	1.0	2.3	3.6	38
2	17	2.2	1.5	25	1.7	1.0	1.7	1.6	1.0	2.6	5.3	33
3	20	1.4	1.5	14	8.0	1.0	1.5	1.7	1.0	2.5	7.5	42
4	6.5	1.2	1.5	8.8	13	.90	1.5	1.6	1.0	2.6	11	45
5	3.1	1.4	1.4	8.0	27	1.6	1.4	1.2	4.6	2.5	15	37
6	3.7	1.7	1.4	8.8	19	1.0	1.5	1.2	6.6	22	6.2	30
7	8.8	1.7	1.9	12	8.4	1.4	1.6	1.2	6.0	30	4.2	25
8	17	1.6	2.2	9.2	8.6	2.0	1.9	1.8	3.7	21	3.1	21
9	7.7	1.5	1.7	9.2	4.6	1.5	1.9	2.6	2.5	16	2.5	19
10	4.4	2.0	1.5	9.2	2.8	1.2	2.2	2.6	1.8	12	1.4	16
11	6.2	4.5	1.4	8.4	2.6	1.2	2.2	2.0	1.4	9.2	.90	14
12	6.6	4.9	1.2	41	2.3	1.5	2.0	1.8	1.1	7.2	6.2	13
13	5.7	3.9	2.2	35	1.9	1.7	2.3	2.5	.90	6.6	2.4	12
14	4.9	3.1	3.3	20	1.7	1.5	1.9	2.6	.80	5.1	13	10
15	5.7	2.5	1.7	13	1.5	1.4	2.2	2.3	.60	4.2	20	19
16	48	2.0	1.5	8.8	3.5	1.5	2.0	2.0	.60	4.2	12	33
17	43	1.9	1.6	19	3.0	2.2	2.0	1.9	.70	6.0	8.0	25
18	28	1.7	1.8	9.2	2.6	1.8	2.2	2.5	2.8	5.1	5.5	28
19	21	1.6	1.9	7.6	7.2	1.8	2.0	1.7	2.0	3.9	1.8	22
20	17	1.5	1.9	4.9	1.5	2.2	2.5	1.7	1.5	2.8	2.8	39
21	8.7	1.5	1.8	3.3	1.1	2.5	3.3	1.5	1.1	2.2	27	38
22	5.1	1.6	1.7	4.6	1.2	2.3	4.4	1.4	.90	1.8	40	28
23	15	3.2	1.6	3.0	1.5	2.0	12	1.0	1.9	1.8	26	22
24	5.9	1.7	1.7	2.3	1.5	1.9	2.2	.90	1.9	1.8	23	18
25	5.1	1.6	1.7	1.8	1.4	1.9	2.3	.80	1.6	3.4	22	15
26	6.2	1.6	1.7	1.8	1.2	1.8	2.6	1.2	1.6	10	18	13
27	6.0	1.6	1.6	2.6	1.1	1.8	1.9	2.7	2.3	7.2	214	19
28	5.4	1.5	1.6	4.4	1.1	2.0	1.6	1.7	2.0	5.1	149	21
29	4.9	1.7	1.6	3.0	1.0	2.8	1.5	1.2	1.7	3.9	81	18
30	4.2	1.6	4.9	2.6	-----	1.8	1.2	1.1	1.4	3.1	60	16
31	3.7	-----	1.21	2.3	-----	1.4	-----	1.0	-----	2.8	47	-----
TOTAL	346.0	61.2	175.5	355.8	131.8	51.60	71.0	51.70	57.70	210.9	839.40	729
MEAN	11.2	2.11	5.66	11.5	4.54	1.66	2.37	1.67	1.92	6.80	27.1	24.3
MAX	48	4.9	121	53	24	7.2	12	7	6.6	30	214	45
MIN	1.5	1.2	1.2	1.8	1.0	.90	1.2	.80	.60	1.8	.90	10
CAL YR 1963: TOTAL	1,009.10	MEAN 2.76	MAX 121	MIN -30	CFSM .45	IN 6.05						
WAT YR 1964: TOTAL	3,083.60	MEAN 8.43	MAX 214	MIN -60	CFSM 1.36	IN 18.50						

Note --No gage-height record Jan 1 to Feb 21

## 2-2769 84 Monrevere Ranch drainage canal near Stuart, Fla --Continued

Daily mean diversions, in cubic feet per second, from St Lucie Canal, water year 1964

Nov 22, 1963	7	Mar 18	6	Apr 3	14	Apr 24	19	June 17	6
23	8	19	13	4	6	25	19	18	13
Dec 6	8	20	19	5	15	26	19	22	8
7	14	21	19	6	10	27	15	23	6
12	10	22	19	7	19	7	8	July 1	6
13	19	23	19	8	14	8	19	2	10
14	6	24	19	9	14	9	19	Aug 1	6
Mar 6, 1964	4	25	19	10	11	10	9	2	6
7	19	26	19	14	12	12	12	3	6
8	6	27	19	15	8	15	11	4	14
11	10	28	16	19	15	21	6	5	7
12	14	29	14	20	19	22	14	11	6
15	6	31	13	21	19	25	6	12	6
16	19	Apr 1	19	22	19	26	19	18	6
17	13	2	13	23	19	27	12		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	34	2.5	2.6	1.6	2.5	3.3	3.0	1.8	6.0	26	3.5
2	16	29	2.3	1.6	1.7	2.3	3.1	3.0	1.5	4.4	20	3.1
3	18	25	1.9	1.4	2.2	2.5	3.1	3.1	1.4	3.0	32	2.5
4	14	25	1.9	1.4	2.3	3.3	3.1	3.3	1.4	2.9	49	2.0
5	11	22	3.0	2.3	2.0	3.5	3.0	3.1	1.2	2.0	34	1.8
6	9.6	16	5.7	2.8	1.8	3.0	3.1	3.9	1.2	1.7	25	1.7
7	8.8	17	4.9	2.3	2.6	2.5	3.9	3.5	1.2	1.4	18	2.0
8	7.6	12	4.2	2.0	5.0	2.3	3.9	5.4	2.5	1.2	14	3.1
9	6.4	9.5	3.5	2.5	7.6	2.3	3.9	5.3	8.8	1.2	10	2.6
10	6.2	9.6	3.1	2.3	4.4	2.2	4.6	3.1	17	2.8	8.8	2.2
11	25	9.6	2.8	2.2	3.1	2.2	4.6	3.7	13	4.9	7.6	1.7
12	60	9.2	2.5	2.2	2.5	2.2	4.9	3.5	33	19	6.9	1.4
13	36	8.8	2.3	2.2	2.2	5.1	5.0	3.5	17	16	6.0	1.2
14	84	8.4	2.0	2.3	2.2	2.5	4.2	2.8	20	26	5.4	4.4
15	300	8.4	2.0	2.5	2.2	2.5	3.1	2.3	49	22	4.9	.50
16	124	7.2	1.9	2.5	2.0	2.3	2.8	2.0	35	26	4.2	.50
17	85	6.9	1.9	2.5	2.0	2.3	2.8	2.8	28	23	3.9	1.4
18	63	5.7	1.9	2.3	2.0	2.3	3.0	3.0	79	20	3.1	1.7
19	51	4.9	1.8	2.5	1.9	2.2	3.7	3.1	54	33	2.6	1.6
20	43	3.9	1.8	3.1	1.8	4.9	3.7	2.3	43	47	6.8	1.2
21	35	3.5	1.7	3.0	1.8	2.4	3.5	2.0	34	22	25	1.0
22	20	4.9	1.7	2.8	1.7	2.3	3.5	1.9	26	16	16	.90
23	22	7.7	1.6	2.6	2.0	2.2	4.2	2.0	24	24	10	1.8
24	22	4.9	1.4	2.5	2.5	2.2	3.5	2.3	16	17	7.2	1.1
25	20	4.4	1.2	2.2	3.7	2.3	3.1	2.0	12	14	5.7	1.8
26	19	3.5	1.2	1.9	3.7	2.3	2.8	2.6	21	9.2	5.4	5.4
27	17	3.1	1.2	1.6	3.5	2.3	3.0	3.0	38	7.2	8.0	4.4
28	37	3.1	1.2	1.4	3.0	2.9	2.8	3.5	20	5.7	6.2	4.6
29	51	2.8	1.2	1.4	-----	3.1	2.8	3.1	11	9.8	5.1	12
30	39	2.8	2.5	1.4	-----	2.6	2.8	2.6	8.0	31	4.2	9.6
31	36	-----	13	1.8	-----	3.1	-----	2.0	-----	35	3.7	-----
TOTAL	1,301.1	306.8	81.8	68.1	75.0	82.6	104.8	92.9	615.0	454.0	384.7	78.40
MEAN	42.0	10.2	2.64	2.20	2.68	2.66	3.49	3.00	20.5	14.6	12.4	2.61
MAX	300	34	13	3.1	7.6	5.1	5.0	5.4	79	47	49	12
MIN	6.2	2.8	1.2	1.4	1.6	2.2	2.8	1.9	1.2	1.2	2.6	.50
CFSM	6.77	1.65	.43	.35	.43	.43	.56	.48	3.31	2.36	2.00	.42
IN.	7.80	1.84	.49	.41	.45	.50	.63	.56	3.69	2.72	2.31	.47

CAL YR 1964. TOTAL 4,188.60 MEAN 11.4 MAX 300 MIN .90 CFSM 1.81 IN 27.87

MAY YR 1965 TOTAL 3,645.20 MEAN 9.99

Note --No gage-height record May 29 to July 21

Daily mean diversions, in cubic feet per second, from St Lucie Canal, water year 1965

Dec 30, 1964	12	Mar 13	8	Apr 20	18	May 10	6	May 30	20
31	13	19	6	21	15	11	12	31	20
Jan 4, 1965	8	20	7	22	20	12	7	June 1	20
5	16	24	7	23	14	13	10	2	20
6	6	27	6	26	7	16	4	3	20
8	7	28	8	27	1	17	20	4	20
9	8	Apr 6	14	28	4	18	12	5	20
13	7	7	6	29	15	19	6	6	20
15	11	9	10	May 1	8	22	10	7	20
19	12	12	15	3	12	23	6	8	20
20	15	13	8	4	6	25	14	9	20
21	1	14	8	5	13	26	18	10	20
30	10	16	6	6	9	27	20	11	20
Feb 2	12	17	6	7	13	28	20	12	20
3	12	18	13	8	20	29	20	13	20
Mar 12	7	19	20	9	13				13

2-2770 St Lucie Canal at lock, near Stuart, Fla

Location --Lat 27°06'39", long 80°17'06", in Hanson Grant, T 39 S , R 41 E , at upstream end of  
Right lock wall, 6 3 miles southwest of Stuart, Martin County

Records available --October 1952 to September 1965 Gage-height records collected at same site  
since December 1924 are contained in files of the Everglades Drainage District and Corps of  
Engineers

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (levels by Corps  
of Engineers) Prior to Nov 3, 1948, staff gage at same site and at various datums Sept 5,  
1952, to Jan 1, 1955, auxiliary water-stage recorder at Arundel Bridge, 1 9 miles upstream

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the  
Following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 15, 1960	8,970	a 15 14	Long periods	(b)	c 7 82
1962	Entire year	(b)	d 16 49	Entire year	(b)	e 10 27
1963		(b)	f 15 41	do	(b)	g 12 16
1964	Aug 27, 1964	1,680	h 16 00	Most of time	(b)	i 11 83
1965	Apr 9, 1965	1,170	j 16 52	do	(b)	k 11 39

a Maximum daily occurred Feb 8, 1961

b Lock closed and flow consists of leakage and lockage

c Minimum daily, occurred Nov 30, 1960

d Maximum daily, occurred Sept 22, 1962

e Minimum daily, occurred May 31, 1962

f Maximum daily, occurred Oct 16, 1962

g Minimum daily, occurred Sept 16, 1963

h Occurred Sept 27, 1964

i Occurred Oct 14, 1963

j Occurred Oct 15, 1964

k Occurred Sept 8, 1965

1952-65 Maximum daily discharge, 10,500 cfs Oct 10, 1953, lock closed and flow consists  
of leakage and lockage during several periods in each year

Remarks --Flow regulated by lock near Stuart Records include flow through lock, leakage, and  
lockage Records of chemical analyses for the water years 1962, 1965 and of water temperatures  
for the water year 1965 are published in reports of the Geological Survey

Cooperation --Records furnished by Corps of Engineers, Jacksonville District

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961											
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	SEPT
1	8,760	8,560	6,600	2,390	2,330						
2	8,540	8,600	7,100	2,390	2,330						
3	8,510	8,460	7,370	2,390	2,340						
4	8,500	8,390	7,230	2,380	2,340						
5	8,430	8,360	7,220	2,370	2,320						
6	8,430	8,350	7,220	2,370	1,550						
7	8,480	8,280	7,180	2,370					10		
8	8,590	8,110	7,110	2,370							
9	8,930	8,100	7,090	2,360							
10	8,750	8,030	7,050	2,360							
11	8,740	8,110	7,050	2,360							
12	8,710	8,100	7,150	2,360							
13	8,690	8,050	6,940	2,390							
14	8,900	8,010	6,820	2,410							
15	8,970	7,950	6,830	2,410							
16	8,820	7,950	7,030	2,400							
17	8,800	7,940	6,860	2,390	20						
18	8,710	7,900	6,800	2,390		20					
19	8,800	7,860	6,770	2,390			20				
20	8,780	7,750	6,740	2,400				20			
21	8,710	7,750	6,770	2,390							
22	8,620	7,680	6,020	2,370							
23	8,550	7,630	5,150	2,370					30		
24	8,540	7,680	5,260	2,360							
25	8,400	7,590	5,240	2,350							
26	8,360	7,510	6,400	2,360							
27	8,350	7,460	5,890	2,360							
28	8,360	7,380	2,750	2,350							
29	8,360	7,370	2,380	2,360							
30	8,300	7,310	2,390	2,340							
31	8,320	-----	2,380	2,330							
TOTAL	266,710	238,220	190,790	73,590	13,650	620	600	620	620	930	900
MEAN	8,604	7,941	6,155	2,374	488	20 0	20 0	20 0	20 7	30 0	30 0
MAX	8,970	8,600	7,370	2,410	2,340	20	20	20	30	30	30
MIN	8,300	7,310	2,380	2,330	20	20	20	20	10	30	30
AC-FT	529,000	472,500	378,400	146,000	27,100	1,230	1,190	1,230	1,230	1,840	1,790

CAL YR 1960: TOTAL 1,559,630 MEAN 4,261 MAX 8,970 MIN 10 AC-FT 3,093,000  
WAT YR 1961: TOTAL 788,180 MEAN 2,159 MAX 8,970 MIN 10 AC-FT 1,563,000

2-2770 St Lucie Canal at lock, near Stuart, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3												
4												
5		30										
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16			20	20	20	20	20	20	10	10	10	10
17												
18												
19		10										
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	490	600	620	620	560	620	620	620	300	310	310	300
MEAN	15.8	20.0	20.0	20.0	20.0	20.0	20.7	20.0	10.0	10.0	10.0	10.0
MAX	30	20	20	20	20	20	20	20	10	10	10	10
MIN	10	20	20	20	20	20	20	20	10	10	10	10
AC-FT	972	1,190	1,230	1,230	1,110	1,230	1,230	1,230	595	615	615	595
CAL YR 1961	TOTAL 94,170		MEAN 258		MAX 2,410		MIN 10		AC-FT 186,800			
WAT YR 1962	TOTAL 5,970		MEAN 16.4		MAX 30		MIN 10		AC-FT 11,840			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3												
4												
5												
6												
7				20								
8												
9												
10												
11												
12												
13												
14												
15												
16	10	20	20		40	40	40	40	30	30	30	30
17												
18												
19												
20												
21				40								
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	310	600	620	1,020	1,120	1,240	1,200	1,240	900	930	930	900
MEAN	10.0	20.0	20.0	32.9	40.0	40.0	40.0	40.0	30.0	30.0	30.0	30.0
MAX	10	20	20	40	40	40	40	40	30	30	30	30
MIN	10	20	20	20	40	40	40	40	30	30	30	30
AC-FT	615	1,190	1,230	2,020	2,220	2,460	2,380	2,460	1,790	1,840	1,840	1,790
CAL YR 1962	TOTAL 5,790		MEAN 15.9		MAX 10		MIN 10		AC-FT 11,480			
WAT YR 1963	TOTAL 11,010		MEAN 30.2		MAX 40		MIN 10		AC-FT 21,840			

## 2-2770 St Lucie Canal at lock, near Stuart, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2												
3												
4												
5												
6												
7												
8												
9		40										
10												
11												
12												
13											10	
14												
15												
16	30		20	20	20	20	20	20	10	10		10
17												
18												
19												
20												
21												
22												
23		20										
24												
25												
26												
27											1,690	
28												
29												
30											10	
31												
TOTAL	930	900	620	620	580	620	600	620	300	310	1,990	300
MEAN	30 0	30 0	20 0	20 0	20 0	20 0	20 0	20 0	10 0	10 0	64 2	10 0
MAX	30	40	20	20	20	20	20	20	10	10	1,690	10
MIN	30	20	20	20	20	20	20	20	10	10	10	10
AC-FT	1,840	1,790	1,230	1,230	1,150	1,230	1,190	1,230	595	615	3,950	595
CAL YR 1963:	TOTAL 11,930		MEAN 32 7		MAX 10		MIN 10		AC-FT 23,660			
WAT YR 1964:	TOTAL 8,390		MEAN 22 9		MAX 1,690		MIN 10		AC-FT 16,640			

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1												
2				20								
3												
4							40					
5												
6												
7							770					
8							1,160					
9							1,170					
10							1,160					
11							1,160					
12							1,170					
13							1,170					
14							1,140					
15							1,130					
16	10	20	20		40	40		40	30	30	30	30
17				40			920					
18							440					
19							440					
20							440					
21							430					
22							170					
23												
24												
25												
26							40					
27												
28												
29												
30												
31												
TOTAL	310	600	620	1,160	1,120	1,240	13,870	1,240	900	930	930	900
MEAN	10 0	20 0	20 0	37 4	40 0	40 0	462	40 0	30 0	30 0	30 0	30 0
MAX	10	20	20	40	40	40	1,170	40	30	30	30	30
MIN	10	20	20	20	40	40	40	40	30	30	30	30
AC-FT	615	1,190	1,230	2,300	2,220	2,460	27,510	2,460	1,790	1,840	1,840	1,790
CAL YR 1964:	TOTAL 7,470		MEAN 20 4		MAX 1,690		MIN 10		AC-FT 14,820			
WAT YR 1965:	TOTAL 23,820		MEAN 65 3		MAX 1,170		MIN 10		AC-FT 47,250			

2-2777 Southwest Fork Loxahatchee River at S-46, near Jupiter, Fla

Location --Lat 26°56'02", long 80°08'31", in NW 1/4 sec 3, T 41 S, R 42 E, on upstream side near center of bridge on State Highway 706, 200 ft upstream from control structure 46, 2 1/4 miles upstream from mouth, and 3 miles west of Jupiter, Palm Beach County

Records available --February 1959 to September 1965

Gage --Water-stage and gate-opening recorder, and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Average discharge --6 years, 108 cfs (78,190 acre-ft per year)

Extremes --Maximum and minimum discharges for the period February 1959 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Gage height (feet)	
1959	June 18, 1959	4,210	a 15 60	Sept 3, 1959		7 97
1960	Sept 8, 1960	5,420	b 14 73	Mar 18, 1960		7 57
1961	Oct 28, 1960	1,320	c 14 12	Oct 21, 1960		8 84
1962	July 3, 1962	1,870	15 00	Sept 5, 1962		10 27
1963	Oct 30, 1962	1,010	d 15 00	Oct 3, 6, 8, 9, 11 1963		10 33
1964	Aug 26, 1964	1,740	e 14 89	Aug 27, 1964		7 82
1965	Oct 14, 1964	1,750	f 14 99	Oct 14, 1964		8 35

a Occurred July 2, 1959

b Occurred Sept 18, 1960

c Occurred Oct 2, 4, 22, 24, 26, 1960

d Occurred Aug 21, 1963

e Occurred Jan 2, 1964

f Occurred Feb 7, 1965

No flow for many days each year

1959-65 Maximum discharge, 4,210 cfs June 18, 1959, maximum gage height, 15 60 ft July 2, 1959, no flow for many days each year, minimum gage height, 7 57 ft Mar 18, 1960

Remarks --Records fair except those prior to Oct 1, 1961, and those for period of no gage-height or gate-opening record, which are poor. Flow is regulated by automatic electrically-operated sluice gates in control structure 46, and is occasionally diverted by upstream pumping for agricultural and commercial purposes. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water years 1961-64 are published in reports of the Geological Survey.

Cooperation --Water-stage and gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1959

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					-	0	87	103	0	179	0	278
2					-	0	660	197	0	597	235	314
3					-	0	540	0	75	457	90	64
4					-	22	430	0	133	256	532	461
5					-	151	594	98	66	187	288	504
6					-	79	280	140	66	203	290	501
7					-	0	492	0	64	86	401	400
8					-	0	144	0	62	429	439	402
9					-	0	434	21	61	381	188	283
10					-	30	11	74	59	347	366	449
11					-	178	168	70	58	313	137	267
12					-	0	114	0	37	406	448	396
13					-	0	140	0	36	431	116	421
14					-	0	141	0	17	348	250	458
15					-	0	0	675	7.0	559	475	439
16					-	27	72	91	0	259	479	529
17					-	59	144	0	40	595	424	576
18					-	160	153	62	1,400	200	390	542
19					-	119	0	153	1,340	379	396	488
20					-	238	20	142	1,460	183	44	524
21					-	380	798	0	1,570	243	230	673
22					-	354	245	0	1,250	117	366	640
23					-	117	373	105	1,040	141	264	516
24					-	449	385	137	867	136	143	582
25					0	29	198	0	695	127	169	431
26					0	217	183	0	582	164	178	443
27					33	188	275	0	524	216	182	473
28					154	65	175	0	474	28	90	275
29					-----	16	130	0	434	46	63	350
30					-----	60	0	84	301	50	143	430
31					-----	36	-----	48	-----	68	54	-----
TOTAL					-	2,974	7,386	2,200	12,718.0	8,131	7,870	13,109
MEAN					-	95.9	246	71.0	424	262	254	437
MAX					-	449	798	675	1,570	597	532	673
MIN					-	0	0	0	0	28	0	64
AC-FT					-	5,900	14,650	4,360	25,230	16,130	15,610	26,000

2-2777 Southwest Fork Loxahatchee River at S-46, near Jupiter, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	334	501	253	165	24	0	99	0	101	246	154	268
2	257	335	201	89	39	99	101	0	0	246	172	396
3	380	349	140	84	13	78	30	0	0	250	85	162
4	151	274	236	153	0	0	0	103	33	242	0	372
5	267	268	157	90	53	0	0	169	107	248	0	381
6	272	277	148	106	90	78	0	48	0	256	21	416
7	393	142	122	105	0	146	7.0	0	18	260	0	429
8	384	399	134	106	16	0	46	0	130	262	11	729
9	378	217	202	0	78	0	0	37	191	262	44	450
10	346	297	190	69	0	0	0	49	273	270	44	471
11	354	127	128	186	0	71	0	59	10	238	44	253
12	334	207	34	7.0	112	69	0	0	124	273	50	743
13	175	214	46	0	88	67	0	0	81	623	0	302
14	297	184	68	159	0	66	0	0	0	256	0	656
15	293	213	89	0	30	64	0	0	0	337	231	700
16	140	184	87	18	146	62	0	0	46	130	246	645
17	358	52	85	73	0	214	0	0	154	375	93	422
18	666	268	83	0	0	69	0	0	142	475	60	2,400
19	497	581	80	0	48	0	0	80	116	237	106	2,000
20	1,990	425	78	59	92	0	68	129	92	248	73	1,590
21	2,380	602	76	30	0	0	100	0	290	134	67	1,230
22	1,800	530	75	0	0	45	0	0	268	185	30	1,100
23	1,670	665	74	9.0	15	161	0	0	281	216	123	1,420
24	1,380	421	323	84	93	0	0	0	132	391	175	2,020
25	1,070	393	571	34	0	0	115	0	432	185	310	1,960
26	882	336	370	14	0	0	194	0	131	159	595	2,730
27	727	390	367	0	117	86	160	0	429	140	328	2,480
28	686	251	364	85	147	81	0	0	142	0	521	2,220
29	752	228	207	44	0	0	0	0	205	231	416	1,520
30	561	182	388	0	-----	20	0	0	250	147	422	1,120
31	460	-----	145	0	-----	2.0	-----	54	-----	145	357	-----
TOTAL	20,634	9,512	5,521	1,769.0	1,201	1,478.0	920.0	728	4,178	7,667	4,778	31,585
MEAN	666	317	178	57.1	41.4	47.7	30.7	23.5	139	247	154	1,053
MAX	2,380	665	571	186	147	214	194	169	432	623	595	2,730
MIN	140	52	34	0	0	0	0	0	0	0	0	162
AC-FT	40,930	18,870	10,950	3,510	2,380	2,930	1,820	1,440	8,290	15,210	9,480	62,650

CAL YR 1959: TOTAL

MEAN

MAX

MIN

AC-FT

WAT YR 1960: TOTAL 89,971.00

MEAN 246

MAX 2,730

MIN 0

AC-FT 178,500

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	785	303	0	0	54	0	0	0	26	0	0	266
2	621	227	0	0	70	0	0	68	19	0	0	247
3	668	392	127	0	0	0	0	60	158	0	0	0
4	544	191	49	39	0	0	73	0	0	39	78	0
5	626	156	0	93	8.0	0	72	0	0	158	154	132
6	616	147	0	0	138	0	0	0	84	0	0	0
7	616	218	81	0	0	0	0	0	175	0	0	0
8	616	91	68	0	0	26	0	0	0	0	0	168
9	610	135	0	0	0	51	0	0	0	0	24	0
10	626	131	0	125	0	0	0	0	28	96	0	0
11	695	68	18	67	116	0	0	0	130	98	0	16
12	678	26	137	0	0	0	123	0	0	0	0	188
13	736	137	0	7.0	0	0	0	0	0	0	160	0
14	730	125	0	127	0	0	0	0	0	0	32	0
15	742	29	0	0	0	0	0	0	166	25	0	0
16	672	98	26	0	0	0	0	0	0	163	0	132
17	632	131	154	60	89	52	0	0	0	0	0	55
18	616	58	0	120	116	50	0	0	0	0	105	0
19	616	29	0	0	0	0	0	0	13	0	0	0
20	603	218	0	0	0	0	0	0	8.0	0	0	0
21	306	26	0	0	0	0	0	0	78	203	175	0
22	273	22	61	153	0	0	94	0	0	0	68	53
23	377	181	82	0	0	0	0	0	0	0	122	149
24	203	0	0	0	0	0	0	0	0	0	0	0
25	334	8.0	0	0	0	0	0	0	0	157	61	0
26	120	133	0	4.0	13	0	0	93	0	50	20	0
27	304	25	0	131	99	23	0	86	0	0	202	0
28	264	0	29	0	0	67	0	0	105	0	194	0
29	396	97	93	0	-----	45	0	89	35	8.0	187	0
30	163	76	0	0	-----	0	0	194	0	144	240	0
31	273	-----	0	0	-----	0	-----	171	-----	0	257	-----
TOTAL	16,061	3,478.0	925	926.0	708.0	314	268	761	1,119.0	1,141.0	2,289	1,549
MEAN	518	116	29.8	29.9	25.3	10.1	8.93	24.5	37.3	36.8	73.8	51.6
MAX	785	392	154	153	138	67	123	194	175	203	257	266
MIN	120	0	0	0	0	0	0	0	0	0	0	0
AC-FT	31,860	6,900	1,830	1,840	1,400	623	532	1,510	2,220	2,260	4,540	3,070

CAL YR 1960: TOTAL 74,768.00

MEAN 204

MAX 2,730

MIN 0

AC-FT 148,300

WAT YR 1961: TOTAL 29,539.00

MEAN 80.9

MAX 785

MIN 0

AC-FT 58,590

2-2777 Southwest Fork Loxahatchee River at S-46, near Jupiter, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	49	0	0	0	0	0	0	0	0	123	134	569
2	121	0	0	0	0	0	0	0	0	127	70	456
3	0	54	24	0	0	0	0	0	0	345	45	417
4	0	58	94	0	0	0	0	0	0	214	105	510
5	0	0	0	0	0	0	0	0	0	234	73	507
6	0	0	0	0	0	0	0	139	0	165	111	247
7	148	0	0	0	0	0	0	61	0	0	0	225
8	46	51	0	0	0	28	0	0	0	69	36	437
9	0	86	0	0	0	0	0	0	0	102	80	437
10	0	0	0	0	0	0	0	0	0	94	125	196
11	0	0	0	0	0	8.0	0	0	0	134	40	428
12	94	0	0	0	0	0	0	0	0	64	7.0	191
13	63	0	0	0	0	0	0	0	0	56	130	422
14	0	0	0	0	0	0	0	0	0	251	130	164
15	0	82	0	0	0	0	0	0	0	403	21	240
16	0	29	0	0	0	0	0	0	0	61	247	121
17	0	0	0	0	0	0	0	0	0	136	234	136
18	108	0	0	0	0	0	0	0	82	100	252	146
19	98	0	0	0	0	0	0	0	137	142	254	140
20	0	0	0	0	0	0	0	0	0	137	266	147
21	0	0	0	0	0	0	0	0	0	136	278	750
22	63	0	0	0	0	0	0	185	137	505	892	892
23	54	47	0	0	0	0	0	147	158	208	901	901
24	0	53	0	0	0	0	0	12	160	252	1,040	1,040
25	0	0	0	0	0	16	0	112	140	297	773	773
26	0	0	0	0	0	10	0	150	107	273	731	731
27	0	0	0	0	0	0	0	0	110	248	452	452
28	36	0	0	0	0	0	0	0	160	151	563	563
29	117	0	0	0	-----	0	0	59	225	454	728	728
30	0	0	0	0	-----	0	0	116	187	544	552	552
31	0	-----	0	0	-----	0	-----	0	-----	161	554	-----
TOTAL	997	460	118	0	0	62.0	0	200	1,000	4,638	6,223.0	13,518
MEAN	32.2	15.3	3.81	0	0	2.00	0	6.45	33.3	150	201	451
MAX	148	86	94	0	0	28	0	139	185	403	554	1,040
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	1,980	912	234	0	0	123	0	397	1,980	9,200	12,340	26,810

CAL YR 1961 TOTAL 14,650.00 MEAN 29.2 MAX 266 MIN 0 AC-FT 21,120  
WAT YR 1962 TOTAL 27,216.00 MEAN 74.6 MAX 1,040 MIN 0 AC-FT 53,980

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	614	0	0	0	0	0	0	0	0	0	0	86
2	770	142	0	0	0	0	0	0	0	0	0	90
3	529	141	0	0	0	0	0	0	0	22	0	0
4	624	0	13	0	0	0	0	0	0	29	0	0
5	615	0	53	0	12	0	0	0	0	28	0	0
6	300	0	20	0	25	0	0	0	0	27	0	50
7	414	58	0	0	32	0	0	0	18	44	0	83
8	176	148	0	0	0	0	0	0	30	0	0	66
9	346	83	0	0	0	0	0	0	31	0	0	0
10	140	0	0	0	0	0	0	0	28	0	0	0
11	307	0	0	0	0	0	0	0	27	0	0	5.0
12	17	0	0	0	0	0	0	0	26	0	0	86
13	94	0	0	0	0	0	0	0	26	0	0	122
14	178	76	0	0	0	0	0	0	25	0	0	0
15	216	67	0	0	0	0	0	0	55	0	0	0
16	233	0	0	0	0	0	0	0	0	37	0	0
17	255	0	0	0	0	0	0	0	0	158	0	180
18	177	0	0	0	0	0	0	0	0	0	10	123
19	4.0	0	0	0	15	0	0	0	0	0	30	29
20	91	0	0	0	26	0	0	0	0	0	30	281
21	113	29	0	0	43	0	0	0	0	0	40	304
22	0	103	0	0	0	0	0	0	0	0	261	296
23	56	0	0	0	0	0	0	0	0	0	304	323
24	123	0	0	0	0	0	0	0	0	0	172	551
25	143	0	0	0	0	0	0	0	83	0	0	648
26	182	0	0	0	0	0	0	0	130	0	111	440
27	196	0	0	0	0	0	0	0	0	0	249	580
28	216	0	0	0	0	0	0	0	0	0	0	200
29	0	0	0	0	-----	0	0	0	0	0	0	392
30	21	0	0	0	-----	0	0	0	0	0	0	96
31	0	-----	0	0	-----	0	-----	0	-----	0	5.0	-----
TOTAL	7,150.0	847	86	0	153	0	0	0	479	345	1,212.0	5,031.0
MEAN	231	28.2	2.77	0	5.46	0	0	0	16.0	11.1	39.1	168
MAX	770	148	53	0	43	0	0	0	130	158	304	648
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	14,180	1,680	171	0	303	0	0	0	950	684	2,400	9,980

CAL YR 1962 TOTAL 33,724.00 MEAN 92.4 MAX 1,040 MIN 0 AC-FT 66,890  
WAT YR 1963 TOTAL 15,303.00 MEAN 41.9 MAX 770 MIN 0 AC-FT 30,350



2-2777 Southwest Fork Loxahatchee River at S-46, near Jupiter, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	178	87	0	882	156	0	0	116	46	0	0	223
2	569	205	0	456	206	108	0	0	45	0	0	373
3	1,160	91	0	531	143	93	0	91	45	0	123	156
4	996	0	0	329	0	20	0	264	47	0	69	267
5	532	0	0	427	0	0	0	178	279	17	0	313
6	450	0	0	279	0	0	0	0	453	86	0	364
7	183	0	0	230	0	0	0	0	440	135	142	172
8	233	145	0	242	0	0	0	0	215	72	0	350
9	188	157	0	265	0	0	0	0	217	34	0	340
10	358	0	0	258	146	0	0	0	270	0	0	321
11	162	0	0	249	204	0	0	0	214	0	0	183
12	176	196	0	239	92	0	0	0	0	96	154	124
13	78	192	0	241	0	0	0	0	100	104	36	214
14	258	0	0	235	180	0	0	0	224	0	0	205
15	242	0	0	120	159	0	0	0	96	0	0	199
16	284	0	0	130	0	0	0	0	0	0	98	201
17	443	2.0	0	215	28	0	0	0	0	11	40	204
18	429	299	83	206	211	0	0	0	0	168	0	211
19	399	98	87	198	108	0	0	0	54	47	0	211
20	194	0	0	76	0	63	0	0	293	0	166	210
21	359	0	0	110	0	110	0	0	0	0	69	213
22	126	0	0	209	204	4.0	0	0	0	0	0	216
23	222	0	0	148	114	0	0	0	0	0	88	216
24	218	0	0	0	0	0	0	0	31	110	123	211
25	211	0	0	153	0	0	0	0	227	110	0	208
26	200	0	0	182	144	0	0	0	111	0	374	204
27	75	0	0	0	128	0	0	0	0	328	385	196
28	68	0	0	106	0	0	0	0	0	10	971	191
29	211	0	0	206	0	0	0	10	143	56	1,080	98
30	137	0	44	98	0	0	25	47	166	80	418	111
31	0	-----	736	0	-----	0	-----	46	-----	137	409	-----
TOTAL	9,539	1,392.0	950	7,020	2,223	398.0	25	752	3,716	1,605	4,822	6,705
MEAN	306	46.4	30.6	226	76.7	12.8	.83	24.3	124	51.8	156	224
MAX	1,160	259	746	882	211	110	25	264	453	328	1,080	373
MIN	0	0	0	0	0	0	0	0	0	0	0	98
AC-FT	18,920	2,760	1,880	13,920	4,410	789	50	1,490	7,370	3,180	9,560	13,300

CAL YR 1963 TOTAL 17,101.00 MEAN 52.3 MAX 1,160 MIN 0 AC-FT 37,890  
 WAT YR 1964. TOTAL 39,147.00 MEAN 107 MAX 1,160 MIN 0 AC-FT 77,650

Note -- No gage-height or gate-opening record Jan 25 to Feb 20

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	216	707	179	0	55	0	39	0	0	0	88	0
2	205	677	56	0	0	0	0	0	0	0	0	228
3	209	610	234	0	0	10	0	0	0	0	52	217
4	202	379	165	108	0	52	0	0	0	0	0	118
5	157	475	0	112	0	95	0	0	0	0	119	0
6	83	288	208	0	0	0	0	0	0	0	172	0
7	216	422	216	0	238	6.0	0	0	0	0	0	114
8	199	233	92	0	144	195	0	0	0	0	0	217
9	88	217	83	83	0	0	0	0	0	0	19	213
10	56	236	250	114	5.0	0	0	0	0	0	124	235
11	249	259	82	0	202	0	0	0	0	0	93	0
12	401	253	4.0	0	100	87	0	0	0	0	0	0
13	391	243	26	0	0	69	0	0	141	57	114	114
14	662	229	18	0	0	0	0	0	180	195	217	217
15	1,200	67	0	0	0	0	0	0	0	29	118	235
16	817	210	193	0	0	32	0	0	0	0	0	0
17	908	232	101	0	0	63	0	0	28	0	0	0
18	476	226	0	0	0	0	0	0	209	44	228	228
19	566	0	122	0	0	0	0	0	188	222	217	217
20	536	176	171	0	0	0	0	0	0	32	213	213
21	342	194	76	0	0	0	0	0	0	0	118	118
22	448	267	26	0	0	18	0	0	158	29	0	0
23	256	422	80	0	218	87	0	0	112	173	114	0
24	357	419	126	0	182	0	0	0	0	135	217	114
25	178	258	0	0	18	0	0	0	0	0	235	0
26	273	253	1.0	0	80	0	0	0	0	7.0	0	0
27	266	276	102	0	99	0	0	0	0	170	114	0
28	395	268	57	0	120	0	0	0	159	103	217	57
29	707	269	0	0	-----	0	0	0	164	0	213	70
30	680	240	6.0	12	-----	15	-----	0	0	55	118	0
31	667	-----	174	114	-----	25	-----	0	-----	124	0	-----
TOTAL	12,402	9,015	2,848.0	543	1,461.0	754.0	39	0	1,339	1,375.0	3,120	2,925
MEAN	400	301	91.9	17.5	52.2	24.3	1.30	0	44.6	44.4	101	97.5
MAX	1,200	707	250	114	238	195	39	0	209	222	235	235
MIN	56	0	0	0	0	0	0	0	0	0	0	0
AC-FT	24,600	17,880	5,650	1,080	2,900	1,500	77	0	2,660	2,730	6,190	5,800

CAL YR 1964 TOTAL 51,531.00 MEAN 141 MAX 1,200 MIN 0 AC-FT 102,200  
 WAT YR 1965 TOTAL 35,821.00 MEAN 98.1 MAX 1,200 MIN 0 AC-FT 71,050

Note -- No gage-height or gate-opening record aug 13 to Sept 24

2-2780 West Palm Beach Canal at HGS-5, at Canal Point, Fla

Location --Lat 26°51'50", long 80°37'55", in NE¼ sec 33, T 41 S, R 37 E, on right bank in hurricane gate structure 5 at Lake Okeechobee, 200 ft upstream from bridge on U S Highway 441 at Canal Point, Palm Beach County

Records available --November 1939 to September 1965

Gage --Digital water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Jan 14, 1954, staff gage at site 550 ft downstream at same datum Jan 14, 1954, to Feb 24, 1956, graphic water-stage recorder, and Feb 25, 1956, to Jan 25, 1965, graphic water-stage and deflection-meter recorders, at same site and datum Since May 1940, auxiliary water-stage recorder below old lock and dam, 700 ft downstream

Average discharge --25 years (1940-65), 171 cfs (123,800 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 26, 1961	932	a 18 12	Many days	0	b 12 16
1962	Mar 6, 1962	455	c 15 13	Mar 26, 1962	-1,120	d 9 67
1963	Apr 18, 1963	632	e 16 23	Sept 20, 1963	-735	f 11 71
1964	Apr 24, 1964	646	g 17 47	Apr 27, 1964	-1,150	h 11 66
1965	Aug 5, 1965	1,240	i 15 74	Many days	0	j 11 94

Note --Negative figures indicate reverse flow toward Lake Okeechobee  
 a Occurred Oct 20, 1960 b Occurred Aug 15, 1961 c Occurred Sept 30, 1962 d Occurred June 5, 1962 e Occurred Dec 6, 1962 f Occurred Aug 19, 1963 g Occurred Aug 27, 1964 h Occurred Dec 31, 1963 i Occurred Feb 25, 1965 j Occurred June 8, 1965

1939-65 Maximum daily discharge, 1,610 cfs Oct 2, 1959, maximum gage height observed, 18 54 ft Oct 23, 1947, at former site, maximum daily reverse flow, 1,760 cfs June 15, 1942, minimum gage height observed, 8 48 ft June 15-17, 1952, at former site

Remarks --Records good prior to Oct 1, 1961, fair thereafter Flow regulated at station by operation of hurricane gates Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades Discharge computed from continuous velocity record obtained from recording deflection meter in hurricane gate chamber Records of chemical analyses for the water years 1962, 1964-65 and of water temperatures for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	414	770	440	486	116	717	0	93	625	0
2	0	0	470	765	484	475	0	726	0	0	378	0
3	0	0	448	710	443	433	248	753	0	65	539	0
4	0	0	445	645	122	461	467	748	498	144	439	95
5	0	0	442	639	0	436	443	676	661	149	180	157
6	0	0	447	644	107	442	443	655	609	144	224	137
7	0	0	454	629	38	453	445	663	621	148	284	110
8	0	0	452	622	151	474	388	679	561	148	284	136
9	0	0	450	357	408	527	414	692	225	154	234	157
10	0	0	448	0	460	499	432	678	0	143	124	188
11	0	0	460	39	475	472	619	616	0	143	360	184
12	0	0	515	0	496	458	764	693	209	152	294	184
13	240	0	614	0	477	475	782	612	358	167	225	205
14	555	416	703	0	471	405	731	508	363	353	219	255
15	558	766	750	0	482	422	739	564	363	459	210	256
16	560	665	815	0	475	443	753	639	355	490	142	262
17	583	322	746	40	467	463	725	731	376	372	106	244
18	557	0	752	0	478	438	735	842	379	410	311	250
19	565	0	741	0	478	401	759	789	371	449	321	240
20	562	0	724	0	466	447	698	767	499	452	127	244
21	243	290	734	0	464	414	693	799	596	420	150	253
22	0	412	766	475	469	398	722	767	596	309	102	258
23	0	427	815	695	486	444	745	795	516	304	109	315
24	0	449	785	675	461	462	788	792	456	363	152	366
25	0	432	776	699	521	458	921	396	415	564	119	361
26	0	424	780	544	500	440	932	222	255	518	92	360
27	0	421	784	486	491	430	841	0	0	494	145	360
28	0	420	780	492	491	466	759	0	0	454	145	375
29	0	427	779	483	-----	464	761	0	0	483	162	373
30	0	442	779	486	-----	461	702	0	154	492	106	319
31	0	-----	770	468	-----	464	-----	-----	-----	550	0	-----
TOTAL	4,443	6,213	19,880	11,372.0	11,972	14,017	18,565	17,579	9,436	9,586	6,908	6,644
MEAN	143	207	641	367	428	452	619	567	315	309	223	221
MAX	583	766	815	770	521	527	932	842	661	564	625	375
MIN	0	0	614	0	0	398	0	0	0	0	0	0
AC-FT	8,810	12,320	39,430	22,560	23,750	27,800	36,820	34,870	18,720	19,010	13,700	13,180
CAL YR 1960	TOTAL 133,347			MEAN 364	MAX 1,090	MIN 0	AC-FT 264,500					
WAT YR 1961	TOTAL 136,615.00			MEAN 374	MAX 932	MIN 0	AC-FT 271,000					

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2780 West Palm Beach Canal at HQS-5, at Canal Point, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	273	-106	84	120	214	272	85	-53	171	-594	-483	0
2	252	-96	102	120	222	290	-409	179	60	-556	-396	0
3	248	72	93	66	213	248	-415	172	-159	-592	-237	0
4	238	134	84	133	226	223	-348	76	36	-559	-296	0
5	216	29	79	127	243	331	-336	-228	52	-419	-230	0
6	230	29	56	155	250	455	-319	-358	-161	-348	-221	0
7	216	77	56	107	221	283	-426	-429	-172	-311	-290	0
8	230	77	14	121	237	702	-394	-417	-122	-272	-176	0
9	209	-19	41	102	255	241	-299	-111	-45	-484	-150	0
10	175	-52	41	120	248	260	-410	-14	-52	-592	-124	0
11	127	-43	76	103	172	276	-241	26	-7.0	-312	-199	0
12	02	-42	124	150	148	300	-55	-49	-56	-315	-263	0
13	-166	-61	147	111	161	383	129	-33	-180	-412	-378	0
14	-56	-52	105	119	173	360	-156	-15	-200	-548	-412	0
15	-69	-47	124	84	172	327	-25	53	-556	-639	-585	0
16	-92	-38	136	71	202	418	-78	59	-939	-245	-373	0
17	-08	43	165	71	223	384	-16	130	-946	-300	0	0
18	1	119	173	75	217	372	81	103	-925	-215	0	0
19	103	95	183	115	243	291	81	99	-953	-165	0	0
20	213	99	193	141	213	296	133	96	-939	-87	0	0
21	144	146	124	114	190	341	100	148	-966	-206	0	0
22	-29	-63	104	128	224	358	99	79	-885	-213	0	0
23	58	-11	150	141	230	344	166	67	-798	-163	0	0
24	106	-43	211	101	779	183	234	127	-885	-163	0	0
25	110	0	132	110	256	208	232	118	-787	-102	0	0
26	149	42	145	127	238	-1,120	254	160	-684	-265	0	0
27	163	46	149	247	247	-642	197	197	-554	-1.0	0	0
28	142	94	193	236	263	-652	-198	179	-356	-217	0	0
29	298	84	162	84	-----	-786	-120	194	-426	-293	0	0
30	106	64	169	75	-----	-128	-11	178	-546	-468	0	0
31	-36	-----	161	184	-----	-103	-----	203	-----	-216	0	-----
TOTAL	3,573.0	555	5,772	3,660	6,175	4,735	-2989	903	-12980.0	-10270.0	-4815	0
MEAN	115	21.2	122	118	221	153	-99.6	29.1	-433	-331	-155	0
MAX	298	146	211	236	279	455	254	203	171	1.0	0	0
MIN	-166	-106	14	66	148	-1,120	-426	-429	-966	-639	-585	0
AC-FT	7,090	1,260	7,480	7,260	12,250	9,590	-5,930	1,790	-25,750	-20,370	-9,550	0

CAL YR 1962 TOTAL 114,059 MEAN 312 MAX 932 MIN -166 AC-FT 226,200  
 MAY YR 1962 TOTAL -7,601 MEAN -20.8 MAX 455 MIN -1,120 AC-FT -15,080

Note --Negative figures indicate flow toward Lake Okeechobee No gage-height record Apr 28 to May 26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	221	197	0	0	229	524	0	51	149	293
2	0	0	209	197	0	0	216	314	0	189	263	146
3	0	0	208	161	0	0	218	131	0	293	199	146
4	0	0	214	161	11	0	231	0	0	326	188	229
5	0	0	219	142	0	0	242	0	0	243	217	90
6	0	0	217	153	0	0	254	0	0	179	256	210
7	0	0	207	157	0	0	264	0	0	228	310	177
8	0	0	206	155	0	0	248	0	0	418	266	177
9	0	0	202	154	0	0	281	0	0	426	351	179
10	0	0	202	153	0	0	374	215	0	474	359	250
11	0	0	245	159	0	0	386	433	0	475	419	298
12	0	0	371	165	0	75	372	359	0	470	421	205
13	0	0	446	159	40	240	376	316	0	459	343	0
14	0	0	429	159	153	234	376	370	0	427	386	-72
15	0	68	414	159	107	252	368	340	0	391	374	-101
16	0	215	401	159	0	238	416	348	0	378	421	-72
17	0	215	353	159	0	250	587	406	0	245	339	0
18	0	203	317	165	0	226	632	426	0	427	257	101
19	0	209	243	170	0	179	611	386	0	549	59	-413
20	0	209	209	183	0	223	618	359	78	536	-255	-735
21	0	208	203	126	0	255	607	385	767	548	0	-481
22	0	211	203	0	0	251	595	301	330	510	0	-248
23	0	209	203	0	0	247	586	285	341	528	0	0
24	0	208	203	76	0	216	572	258	308	540	0	0
25	0	215	203	50	0	221	557	237	246	512	0	0
26	0	217	203	0	0	216	559	225	177	525	295	0
27	0	218	203	0	0	234	515	160	0	554	270	0
28	0	216	191	0	0	234	461	0	0	580	181	0
29	0	215	191	0	-----	233	458	0	0	455	234	0
30	0	221	199	0	-----	250	525	0	0	360	301	0
31	0	-----	203	0	-----	242	-----	0	-----	248	327	-----
TOTAL	0	3,257	7,738	3,525	311	4,516	12,745	6,732	1,787	12,544	6,930	379
MEAN	0	109	250	114	11.1	146	425	217	59.6	405	224	12.6
MAX	0	221	446	197	153	255	632	524	341	580	421	298
MIN	0	0	191	0	0	0	218	0	0	51	-255	-735
AC-FT	0	6,460	15,350	6,990	617	8,960	25,280	13,350	3,540	24,880	13,750	752

CAL YR 1962 TOTAL -4,586 MEAN -12.6 MAX 455 MIN -1,120 AC-FT -9,100  
 MAY YR 1963 TOTAL 60,464 MEAN 166 MAX 632 MIN -735 AC-FT 119,900

Note --Negative figures indicate flow toward Lake Okeechobee No gage-height record Apr 28 to May 26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Note --Negative figures indicate flow toward Lake Okeechobee No gage-height record Apr 28 to May 26

Note --Negative figures indicate flow toward Lake Okeechobee No gage-height record Apr 28 to May 26

CAL YR 1964.	TOTAL	26,331	MEAN	71.9	MAX	646	MIN	-1,150	AC-FT	52,230
WAT YR 1965	TOTAL	80,736.00	MEAN	221	MAX	1,240	MIN	0	AC-FT	160,100

2-2784 5 West Palm Beach Canal above S-5A, near Loxahatchee, Fla

Location --Lat 26°41'05", long 80°22'15", in SW 1/4 sec 32, T 43 S, R 40 E, near south bank 500 ft upstream from pump station S-5A, 0.3 mile upstream from Levee 8 Canal, 1.1 miles downstream from bridge on U.S. Highway 441, and confluence with Cross Canal, and 6 miles west of Loxahatchee, Palm Beach County

Records available --October 1957 to September 1965

Gages --Deflection-meter recorder Auxiliary water-stage recorders at pump station S-5A, and control structure 5A-W, 0.3 mile downstream Datum of gages is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Average discharge --8 years, 496 cfs (359,100 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 27, 1961	2,370	a 13 23	Aug 20, 1961	-120	b 10 00
1962	Sept 21, 1962	2,740	c 13 80	June 24, 1962	-210	d 9 85
1963	Oct 3, 1962	2,270	13 72	Oct 22, 1962	-121	e 9 98
1964	Aug 28, 1964	3,560	f 13 59	May 25, 1964	-555	g 9 48
1965	Oct 15, 1964	3,330	h 13 19	Aug 7, 1965	-224	1 8 21

a Occurred June 28, 1961 b Occurred Oct 1, 1960 c Occurred Aug 16, 1962 d Occurred May 18, 1962 e Occurred Sept 25, 1963 f Occurred Oct 3, 1963 g Occurred Aug 27, 1964 h Occurred Mar 4, 1965 i Occurred Aug 5, 1965

Note --Negative figures indicate reverse flow

1957-65 Maximum daily discharge, 3,820 cfs June 19, 1959, maximum gage height, 14 02 ft Oct 3, 1957, maximum daily reverse flow, 555 cfs May 25, 1964, minimum gage height, 8 21 ft Aug 5, 1965

Remarks --Records good prior to Oct 1, 1964, fair thereafter Flow regulated primarily by pumpage at S-5A and to a lesser extent by operation of control structure 5A-W Flow occasionally reversed at S-5A-W by upstream pumping or by inversion of head because of prolonged pumping at S-5A Major regulation above the station occurs in Cross Canal, 1 1/2 miles upstream, and at hurricane gate structure 5 at Lake Okeechobee, 20 miles upstream Discharge computed from continuous velocity record obtained from recording deflection meter and from head-gate-opening-discharge relations See records on Records to Conservation Area No 1 at S-5A and S-5A-S, near Loxahatchee (station 2-2785, pump station S-5A, upper), for table of daily gage height Records of chemical analyses for the water years 1962, 1964-65 are published in reports of the Geological Survey

Cooperation --Gate opening and pump records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,920	360	403	507	465	473	837	319	430	527	377	241
2	1,710	566	440	514	466	477	294	426	403	472	278	289
3	1,410	199	307	306	541	472	401	601	356	515	440	233
4	941	247	424	486	951	480	491	532	383	537	379	222
5	993	260	420	519	374	463	478	395	461	536	95	248
6	974	306	429	524	367	520	477	396	477	639	96	263
7	878	328	445	526	437	479	562	393	470	490	97	286
8	794	322	428	526	425	463	467	395	479	501	89	452
9	1,110	359	424	2,050	457	465	437	409	551	468	102	245
10	1,130	318	415	636	520	633	443	606	411	572	134	232
11	951	342	417	325	476	439	446	581	413	708	321	243
12	1,250	356	419	736	481	437	510	552	524	442	85	323
13	963	362	426	1,840	491	462	529	358	453	501	91	243
14	824	396	434	924	478	528	526	382	449	462	99	250
15	824	523	468	332	475	484	502	928	455	522	372	348
16	686	578	532	351	468	477	511	1,070	458	540	766	298
17	716	733	450	363	477	491	509	543	437	562	575	325
18	661	393	457	325	458	488	505	369	431	547	1,040	347
19	725	373	513	337	460	508	485	467	438	632	367	347
20	664	373	472	331	458	471	490	365	461	1,050	-120	347
21	551	115	479	313	466	519	487	348	491	1,190	461	337
22	358	256	469	382	447	463	472	525	492	558	1,090	431
23	411	334	519	475	453	459	475	370	496	536	1,550	357
24	41	361	536	470	455	462	480	561	507	528	1,400	362
25	159	32	524	484	465	469	499	1,120	507	565	844	372
26	187	402	526	475	466	460	349	2,090	907	587	1,550	377
27	200	398	518	822	477	469	309	2,370	771	576	1,950	377
28	217	413	510	458	465	501	350	2,060	1,740	558	1,780	377
29	246	416	503	470	-----	467	358	1,760	570	551	1,630	407
30	270	415	505	466	-----	445	350	1,460	474	540	1,020	294
31	320	-----	501	550	-----	462	-----	660	-----	543	369	-----
TOTAL	23,084	11,766	14,423	18,003	13,409	14,886	14,029	23,411	15,895	17,955	19,327	9,473
MEAN	745	392	465	581	475	480	468	755	530	579	623	316
MAX	1,920	880	536	2,050	951	633	837	2,370	1,740	1,190	1,950	452
MIN	41	115	403	313	367	437	294	319	356	442	-120	222
AC-FT	45,790	23,340	28,610	35,710	26,600	29,530	27,830	46,440	31,530	35,610	38,330	18,790

CAL YR 1960 TOTAL 23,084 MEAN 745 MAX 1,920 MIN 41 AC-FT 45,790  
 MAY YR 1961 TOTAL 195,661 MEAN 536 MAX 2,370 MIN - 120 AC-FT 388,100

Note --Negative figures indicate reverse flow

2-2784 5 West Palm Beach Canal above S-5A near Loxahatchee Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	181	0	87	136	176	124	25	-62	20	-152	224	471
2	145	33	86	112	294	119	47	114	60	-158	391	892
3	181	32	92	84	165	129	-33	143	125	-141	52	1,080
4	118	52	124	94	165	133	-31	138	120	-136	-123	1,070
5	85	92	105	102	165	141	-48	180	108	-127	-107	806
6	134	166	106	114	161	161	25	176	120	-119	-122	683
7	75	398	106	113	161	144	113	108	120	-107	-130	1,050
8	81	257	112	114	156	124	180	54	177	-104	-129	1,600
9	24	103	109	106	138	113	156	87	90	-38	-109	1,200
10	-45	94	114	106	133	121	102	77	54	-19	-12	996
11	-69	98	115	115	138	126	73	91	62	-19	-115	676
12	-41	97	122	157	117	142	66	71	60	19	-110	613
13	546	111	117	120	102	199	19	59	61	198	156	1,030
14	782	105	118	120	102	187	-87	13	80	89	-113	963
15	21	110	117	202	102	176	0	-13	61	-69	553	873
16	0	104	109	108	108	187	-69	14	143	338	1,970	521
17	-20	84	108	108	129	195	0	22	138	-118	2,540	753
18	1,170	65	129	102	129	187	0	120	90	-135	1,870	499
19	218	52	110	107	146	172	-27	57	96	-141	1,980	1,200
20	-50	64	142	120	96	161	-30	35	90	-93	1,820	2,000
21	-94	98	112	114	92	165	-14	80	97	-116	1,500	2,740
22	-113	101	149	108	92	176	-14	127	763	-116	1,380	2,300
23	-70	95	109	114	191	176	104	115	585	-64	1,310	1,740
24	-41	87	101	120	110	133	124	53	-210	-63	1,230	1,490
25	-41	91	101	114	115	143	115	0	-156	227	1,260	1,880
26	-41	84	96	175	113	253	115	21	-143	181	793	993
27	92	51	101	125	129	125	241	67	-134	154	1,420	919
28	0	32	109	133	122	18	125	65	-98	-170	1,550	516
29	536	52	110	161	-----	-66	107	64	-90	-144	1,490	1,110
30	1,020	82	114	103	-----	-50	102	55	-155	276	1,490	477
31	87	-----	127	205	-----	25	-----	31	-----	531	1,370	-----
TOTAL	4,911	2,890	3,457	3,807	3,847	4,139	1,481	2,162	2,334	-336	25,279	32,491
MEAN	158	96.3	112	123	137	134	49.4	69.7	77.8	0	815	1,083
MAX	1,170	398	149	205	294	253	241	180	763	531	2,540	2,740
MIN	-113	0	86	84	92	-66	-87	-62	-210	-170	-130	471
AC-FT	9,740	5,730	6,860	7,550	7,630	8,210	2,940	4,290	4,630	-666	50,140	64,440

CAL YR 1961 TOTAL 137,646 MEAN 432 MAX 2,370 MIN - 120 AC-FT 312,700  
 WAT YR 1962 TOTAL 16,462 MEAN 237 MAX 2,740 MIN - 210 AC-FT 171,500

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,310	0	0	0	0	110	-8	0	119	1,540	347	368
2	1,220	0	0	0	0	0	20	0	464	686	329	398
3	2,270	0	0	0	0	0	43	0	1,880	619	373	392
4	1,630	0	0	0	444	0	67	0	1,460	896	378	386
5	1,190	0	0	0	541	0	33	0	354	1,270	418	390
6	1,130	0	0	0	0	0	22	-42	1,060	358	387	405
7	606	0	0	0	0	146	22	0	720	310	384	364
8	509	0	0	0	0	821	28	324	0	353	395	350
9	305	371	0	0	0	0	0	344	0	344	385	368
10	288	0	0	0	0	0	30	0	261	418	378	380
11	0	0	0	0	0	0	27	34	274	399	359	310
12	289	0	16	0	902	7.0	22	70	282	410	395	127
13	0	0	0	0	513	109	21	61	323	420	335	73
14	0	0	139	0	10	0	22	64	289	417	337	51
15	198	0	0	0	51	0	28	55	280	415	346	51
16	0	103	0	0	458	-32	58	42	293	422	335	51
17	140	0	311	0	821	-5.0	96	144	614	398	350	51
18	161	0	607	0	77	-12	113	51	402	448	348	100
19	42	0	0	0	360	29	112	49	437	547	358	114
20	0	0	0	0	498	29	109	82	277	477	1,590	378
21	0	82	0	196	0	22	111	64	310	433	1,570	470
22	-121	0	0	0	0	25	107	69	350	482	1,120	746
23	115	0	0	0	0	44	109	245	348	415	533	1,220
24	507	0	0	0	0	39	107	107	358	404	369	928
25	0	0	0	0	0	70	117	115	365	377	366	1,560
26	0	0	0	0	364	-45	152	119	349	372	301	1,090
27	0	0	0	0	619	-44	116	488	761	381	370	1,060
28	0	0	0	0	0	-92	120	1,180	1,060	382	366	750
29	0	0	0	0	-----	-31	139	2,160	1,110	390	371	367
30	0	102	0	0	-----	-50	115	2,060	396	400	388	325
31	0	-----	0	0	-----	-19	-----	1,520	-----	407	368	-----
TOTAL	11,789	658	1,073	196	5,568	300.0	2,056.0	13,214	16,588	12,465	14,777	13,632
MEAN	380	21.9	34.6	6.32	202	9.68	66.5	426	533	402	477	454
MAX	2,270	371	607	196	902	146	152	2,160	1,540	547	1,590	1,560
MIN	-121	0	0	0	0	-92	-8.0	-42	261	310	301	51
AC-FT	23,380	1,310	2,130	389	11,220	595	4,080	26,210	32,900	24,720	29,310	27,040

CAL YR 1962 TOTAL 88,724 MEAN 243 MAX 2,740 MIN - 210 AC-FT 176,000  
 WAT YR 1963 TOTAL 92,406 MEAN 253 MAX 2,270 MIN - 121 AC-FT 183,300

Note --Negative figures indicate reverse flow

2-2784 5 West Palm Beach Canal above S-5A, near Loxahatchee, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	144	150	105	3,290	-37	-66	-3.0	454	281	163	213	1,270
2	409	85	105	2,770	-26	-34	26	1,780	361	195	182	667
3	2,090	133	107	1,430	161	157	7.0	462	399	222	188	1,750
4	1,160	118	43	1,300	1,540	353	1 0	-39	887	155	203	1,570
5	1,070	127	87	1,140	2,250	124	26	83	3,340	179	234	1,370
6	995	65	125	862	1,000	273	25	44	3,150	761	58	598
7	773	33	137	848	350	-9 0	27	18	2,540	801	157	286
8	-168	64	136	1,070	497	-3.0	9.0	32	2,480	1,660	185	1,140
9	13	82	156	352	186	6.0	9.0	35	2,070	2,020	234	1,130
10	222	133	167	389	214	28	176	23	995	1,820	277	287
11	195	1,560	164	394	183	5.0	-2.0	-200	1,460	971	975	0
12	197	509	153	1,400	455	604	-17	-439	1,140	650	1,230	0
13	218	742	179	1,090	314	499	106	-452	69	536	455	0
14	234	118	124	475	124	4 0	0	128	31	768	748	164
15	244	118	106	463	-90	25	-6.0	287	12	110	619	237
16	206	106	169	458	-105	790	-1.0	-2 0	9.0	1,430	1,470	391
17	144	125	140	684	-87	1,800	80	-85	25	1,610	1,330	838
18	259	124	380	430	430	382	20	114	112	1,210	1,200	443
19	215	124	34	414	-82	536	21	59	111	101	1,240	358
20	222	124	68	565	-96	558	22	-170	101	454	1,550	26
21	201	106	121	297	78	1,020	291	-120	134	443	1,690	58
22	221	187	120	130	-24	1,060	7.0	-90	323	888	1,570	124
23	969	157	117	122	-68	132	46	-60	598	1,360	1,870	151
24	367	125	77	285	220	547	177	-90	1,580	1,480	1,690	213
25	154	106	36	278	178	132	193	-555	809	1,470	900	1,090
26	103	125	191	240	155	4.0	315	-336	263	1,560	2,140	653
27	92	106	88	17	-66	135	103	282	75	1,160	2,700	120
28	47	137	107	-75	-69	777	1,510	110	69	670	3,560	392
29	1.0	235	107	-53	-70	22	2,060	284	129	296	2,390	187
30	137	40	175	-58	-----	371	932	264	520	72	1,370	492
31	136	-----	3,360	-49	-----	-22	-----	260	-----	343	1,800	-----
TOTAL	11,270.0	5,964	7,184	20,978	7,574	10,196.0	6,160.0	2,281.0	24,053.0	25,555	34,428	16,005
MEAN	364	189	232	677	261	329	205	73.5	802	824	1,111	534
MAX	2,090	1,560	3,360	3,290	2,550	1,800	2,060	1,780	3,340	2,020	3,560	1,750
MIN	-168	33	34	-75	-105	-66	-17	-555	9.0	72	58	0
AC-FT	22,350	11,830	14,250	41,610	15,020	20,220	12,220	4,520	47,710	50,690	68,290	31,750

CAL YR 1963 TOTAL 103,304 MEAN 283 MAX 3,360 MIN - 168 AC-FT 204,900  
 CAL YR 1964 TOTAL 171,651 MEAN 289 MAX 3,560 MIN - 555 AC-FT 340,500

Note --Negative figures indicate reverse flow

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	347	1,000	341	77	147	0	398	389	368	-100	580	1,680
2	455	680	12	97	371	104	474	382	394	-137	1,720	1,570
3	341	614	68	81	396	197	163	316	386	-166	2,350	1,630
4	362	312	244	76	51	2,180	193	441	403	-194	2,480	909
5	424	595	2,260	34	80	675	143	516	391	-162	2,280	0
6	225	224	1,680	33	658	0	139	603	397	-58	1,080	725
7	200	0	1,700	-29	1,880	0	142	389	380	110	224	1,410
8	222	0	235	0	1,190	0	163	414	237	1,380	-177	1,360
9	203	299	821	0	0	0	138	385	202	1,370	787	560
10	176	0	890	0	261	0	139	377	217	646	682	340
11	408	0	0	144	18	0	140	365	414	164	973	292
12	1,880	273	0	94	32	0	324	401	1,670	317	866	198
13	1,600	0	0	56	33	0	387	431	2,030	845	710	284
14	2,250	0	377	84	22	0	457	454	2,060	845	0	265
15	3,330	0	0	64	37	0	474	257	1,980	1,330	0	266
16	2,850	0	0	57	67	0	546	237	2,540	676	0	244
17	2,610	0	0	6.0	57	0	473	437	2,460	837	0	710
18	1,990	0	0	11	119	0	519	454	2,050	64	113	119
19	1,240	14	0	35	25	0	464	495	2,220	1,380	102	170
20	712	48	0	45	39	0	429	498	1,760	2,710	86	164
21	572	0	0	45	59	0	427	593	885	2,020	77	168
22	0	546	0	42	372	93	558	465	727	1,170	88	181
23	518	238	42	52	1,750	263	548	452	907	838	402	419
24	0	0	60	33	2,310	116	572	1,010	537	1,120	59	388
25	0	262	9.0	34	625	107	568	1,820	833	932	73	63
26	0	0	33	103	0	380	575	1,790	717	717	356	2,090
27	0	0	49	59	0	134	568	1,680	535	744	832	760
28	1,780	-58	809	90	0	132	535	1,610	543	500	287	227
29	2,070	-69	0	79	-----	131	464	1,530	655	551	2,150	1,520
30	1,640	-44	0	91	-----	178	538	1,530	0	847	2,160	745
31	1,620	-----	0	94	-----	352	-----	1,550	-----	900	1,960	-----
TOTAL	30,025	4,934	9,630.0	1,667.0	10,599	5,822	11,658	22,571	28,906	22,196	22,852	19,461
MEAN	969	164	311	53.8	379	188	381	728	964	716	737	649
MAX	3,330	1,000	2,260	144	2,310	2,180	575	1,820	2,540	2,710	2,480	2,090
MIN	-69	0	-29	0	0	0	148	237	0	-194	224	0
AC-FT	59,550	9,790	19,100	3,310	21,020	11,550	23,120	44,770	57,330	44,030	45,330	38,600

CAL YR 1964 TOTAL 131,822 MEAN 524 MAX 3,560 MIN - 555 AC-FT 380,500  
 CAL YR 1965 TOTAL 190,321 MEAN 521 MAX 3,330 MIN - 224 AC-FT 377,500

Note --Negative figures indicate reverse flow

2-2785 Diversions to Conservation Area No 1 at S-5A and S-5A-S, near Loxahatchee, Fla

Location --Lat 26°41'00", long 80°22'10", in S½ sec 32, T 43 S, R 40 E, at pump station S-5A, 1½ miles downstream from Cross Canal and 6 miles west of Loxahatchee, Palm Beach County

Records available --October 1957 to September 1965

Gage -- Dual water-stage recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Auxiliary deflection-meter recorders 500 ft upstream and in Levee 8 Canal Auxiliary water-stage recorders above S-5A-W, below S-5A-E and in Levee 8 Canal

Average discharge --8 years, 387 cfs (280,200 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 27, 1961	a 2,310	b 12 99	Nov 21, 1960	-1,010	c 10 12
1962	Sept 21, 1962	3,200	d 12 74	May 8, 1962	-48	e 10 13
1963	May 29, 1963	2,390	f 13 72	Many days	0	g 9 98
1964	Aug 28, 1964	4,430	h 13 59	May 25, 1964	-1,180	i 9 48
1965	Oct 15, 1964	3,460	j 13 19	Many days	0	k 8 21

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge 3,920 cfs Oct 1, 1960, occurred on recession following peak of Sept 27, 1960

b Maximum daily occurred Jan 7, 1961

c Minimum daily occurred Oct 1, 1960

d Maximum daily occurred Oct 21, 1961

e Minimum daily occurred May 31, 1962

f Occurred Oct 3, 1962

g Occurred Sept 25, 1963

h Occurred Oct 3, 1963

i Occurred Aug 27, 1964

j Occurred Mar 4, 1965

k Occurred Aug 5, 1965

Note --Negative figures indicate reverse flow to the north

1957-65 Maximum daily discharge, 5,220 cfs September 27, 1960 maximum gage height, 14 02 ft Oct 3, 1957, maximum daily reverse flow, 1,180 cfs May 25, 1964, minimum gage height, 8 21 ft Aug 5, 1965

Remarks --Records good prior to Oct 1, 1964, fair thereafter Normal flow is considered as that to the south into Conservation Area No 1 Flow is affected by S-5A pumpage, and regulation of Cross Canal, 1½ miles upstream, and Hurricane Gate Structure 5, 20 miles upstream Discharge computed from continuous velocity record obtained from recording deflection meters and from head-gate-opening-discharge relations

Cooperation --Gate opening and pump records furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	UCT	NOV.	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,720	742	0	0	0	0	562	0	0	0	0	0
2	3,600	550	48	0	0	0	0	212	0	0	64	0
3	3,220	0	0	0	46	0	0	277	0	0	0	0
4	2,620	0	0	0	36	0	0	141	0	0	151	0
5	2,390	0	0	0	0	0	0	0	0	0	0	0
6	2,040	0	0	0	0	41	0	0	0	143	0	0
7	1,690	0	0	0	0	0	92	0	0	0	0	0
8	1,610	0	0	0	0	0	0	0	0	0	0	225
9	1,760	0	0	2,000	0	0	0	0	309	0	0	0
10	1,770	0	0	829	62	183	0	485	0	58	0	0
11	1,880	0	0	66	0	0	0	517	0	252	278	0
12	2,090	0	0	318	0	0	0	183	110	0	0	96
13	1,780	0	0	1,920	0	0	0	0	0	67	0	0
14	1,560	0	0	876	0	0	0	0	0	0	0	0
15	1,360	0	0	10	0	0	0	595	0	0	453	58
16	1,030	0	75	25	0	0	0	705	0	0	868	0
17	984	314	0	50	0	0	0	207	0	0	698	0
18	1,270	20	0	0	0	0	0	0	0	0	1,260	0
19	1,520	0	47	0	0	0	0	170	0	35	536	0
20	1,040	0	0	0	0	0	0	0	0	492	0	0
21	673	-1,010	0	0	0	31	0	0	0	694	629	0
22	358	-206	0	0	0	0	0	118	0	0	1,270	93
23	411	0	0	0	0	0	0	0	0	0	1,810	0
24	0	0	0	0	0	0	0	206	0	0	1,690	0
25	0	0	0	0	0	0	0	733	0	0	818	0
26	0	0	0	0	0	0	0	2,036	430	0	1,440	0
27	0	0	0	398	-57	0	0	2,280	286	0	2,310	0
28	0	0	0	0	0	33	0	1,750	1,390	0	2,150	0
29	0	0	0	0	0	0	0	1,460	175	0	2,030	74
30	0	0	0	0	0	0	0	1,240	0	0	1,170	0
31	0	0	0	80	0	0	0	468	0	0	189	0
TOTAL	40,656	419	180	6,630	507	288	654	13,847	2,700	1,741	19,764	546
MEAN	1,311	14.0	5.81	214	16.4	9.29	21.8	447	90.0	56.2	638	18.2
MAX	3,920	742	75	2,060	536	183	567	2,280	1,390	694	2,310	225
MIN	0	-1,310	0	0	-57	0	0	0	0	0	0	0
AC-T	80,640	431	357	13,150	1,160	571	1,300	27,470	5,360	3,450	39,200	1,080

CAL YR 1960 TOTAL 169,564 MEAN 463 MAX 5,220 MIN -1,010 AC-FT 336,300  
WAT YR 1961 TOTAL 68,012 MEAN 241 MAX 3,920 MIN -1,010 AC-FT 174,600

Note --Flow is comprised of S-5A pumpage and discharge through S-5A-S Negative figures indicate reverse flow to north



## 2-2785 Diversions to Conservation Area No 1 at S-5A and S-5A-S--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	48	10	0	0	0	0	343	856
2	0	0	0	0	172	3.0	0	212	0	0	538	1,260
3	0	0	0	0	24	64	0	120	66	0	180	1,460
4	0	0	0	0	27	53	0	65	120	0	0	1,370
5	0	0	0	0	15	61	0	126	71	0	0	1,140
6	67	77	0	0	37	146	0	145	20	0	0	977
7	0	353	0	0	38	129	0	-18	42	0	0	1,370
8	0	208	0	0	19	103	166	-48	107	0	0	1,900
9	0	0	0	0	65	-3.0	154	0	0	0	0	1,510
10	0	0	0	0	88	-13	-37	0	0	0	113	1,280
11	0	0	0	0	80	-25	0	0	0	0	0	870
12	0	0	0	72	77	-18	0	0	0	0	0	782
13	559	0	0	43	74	100	50	0	0	175	254	1,320
14	881	0	0	45	74	81	0	0	0	0	0	1,150
15	0	0	0	138	74	85	0	0	58	0	801	1,000
16	0	0	0	49	11	79	0	0	-18	438	2,450	633
17	0	0	0	31	3.0	117	0	0	52	0	2,910	874
18	1,340	0	0	26	7.0	57	0	95	15	0	2,200	609
19	377	0	0	26	36	29	0	0	44	0	2,370	1,330
20	35	0	0	38	-13	21	0	0	38	40	2,260	2,260
21	0	0	0	39	-26	-5.0	0	0	0	0	1,880	3,200
22	0	0	0	51	-31	-10	0	0	810	0	1,770	2,300
23	0	0	0	39	51	29	107	0	715	0	1,700	1,740
24	0	0	0	44	-21	-15	50	0	0	0	1,610	1,490
25	0	0	0	56	10	94	42	0	0	0	1,620	1,280
26	0	0	0	114	-14	425	96	0	0	0	1,140	993
27	113	0	0	52	-15	266	167	0	0	289	1,830	919
28	0	0	0	56	-5.0	116	32	0	0	0	1,920	516
29	533	0	0	-19	-----	0	53	0	0	0	1,870	1,110
30	1,170	0	0	7.0	-----	0	143	0	0	435	1,880	477
31	62	-----	0	123	-----	0	-----	0	-----	713	1,820	-----
TOTAL	5,157	638	0	1,030.0	905.0	1,979.0	1,023	697	2,140	2,090	33,659	37,976
MEAN	166	21.3	0	33.2	32.3	63.8	34.1	22.5	71.3	67.4	1,079	1,266
MAX	1,340	353	0	138	172	425	167	212	810	713	2,910	3,200
MIN	0	0	0	-19	-25	-37	-48	-18	0	0	0	477
AC-FT	10,230	1,770	0	2,040	1,800	3,930	2,030	1,380	4,240	4,150	66,360	75,320

CAL YR 1961 TOTAL 52,552 MEAN 144 MAX 2,510 MIN -57 AC-FT 104,200  
 MAY YR 1962 TOTAL 87,094 MEAN 239 MAX 3,200 MIN -48 AC-FT 172,700

Note --Flow is comprised of S-5A pumpage and discharge through S-5A-S Negative figures indicate reverse flow to north

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,310	0	0	0	0	110	0	0	1,660	0	0	0
2	1,220	0	0	0	0	0	0	349	446	0	56	0
3	2,270	0	0	0	0	0	0	1,920	180	18	0	0
4	1,630	0	0	0	444	0	0	1,640	545	0	0	0
5	1,190	0	0	0	541	0	0	598	1,110	0	0	0
6	1,130	0	0	0	0	0	0	0	846	0	0	32
7	606	0	0	0	0	146	0	0	476	0	0	0
8	509	0	0	0	0	0	14	0	0	0	0	0
9	305	477	0	0	0	0	0	0	94	0	0	0
10	288	0	0	0	0	0	0	0	0	8.0	0	42
11	0	0	0	0	0	0	0	0	0	0	0	0
12	289	0	16	0	902	7.0	0	0	0	0	0	0
13	0	0	0	0	513	109	0	0	33	0	0	37
14	0	0	139	0	10	0	0	0	0	0	0	0
15	198	0	0	0	51	0	0	0	0	0	0	0
16	0	103	0	0	498	0	20	0	0	7.0	0	0
17	140	0	311	0	821	0	0	99	322	0	0	0
18	161	0	607	0	77	0	0	0	156	0	0	35
19	42	0	0	0	360	0	0	0	147	0	0	0
20	0	0	0	0	498	0	0	32	0	0	1,640	300
21	0	82	0	196	0	0	0	0	0	0	1,660	490
22	0	0	0	0	0	0	0	0	0	0	1,220	786
23	140	0	0	0	0	0	0	218	0	0	326	1,380
24	507	0	0	0	0	0	0	102	0	0	0	1,050
25	0	0	0	0	0	63	0	0	0	0	0	1,820
26	0	0	0	0	364	0	52	0	0	0	0	1,340
27	0	0	0	0	619	31	0	462	540	0	0	1,340
28	0	0	0	0	0	0	0	1,180	761	0	0	883
29	0	0	0	0	-----	43	26	2,390	872	0	0	194
30	0	102	0	0	-----	0	0	2,220	0	0	24	173
31	0	-----	0	0	-----	0	-----	1,520	-----	0	0	-----
TOTAL	11,935	764	1,073	196	5,658	509.0	112	12,730	8,188	33.0	4,926	9,902
MEAN	385	25.5	34.6	6.32	202	16.4	3.73	411	273	1.06	159	330
MAX	2,270	477	607	196	902	146	52	2,390	1,660	18	1,660	1,820
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	23,670	1,520	2,130	389	11,420	1,010	222	25,250	16,240	65	9,770	19,640

CAL YR 1962 TOTAL 95,071 MEAN 260 MAX 3,200 MIN -48 AC-FT 188,600  
 MAY YR 1963 TOTAL 56,026.00 MEAN 153 MAX 3,390 MIN 0 AC-FT 111,100

Note --Flow is comprised of S-5A pumpage and discharge through S-5A-S Negative figures indicate reverse flow to north

## 2-2785 Diversions to Conservation Area No 1 at S-5A and S-5A-S--Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	37	0	3,830	0	0	0	511	0	0	0	1,690
2	170	0	0	3,400	0	0	0	2,020	0	0	19	858
3	2,410	0	0	1,570	140	165	0	644	0	0	0	1,750
4	1,440	0	0	1,050	1,670	386	0	0	570	0	0	1,570
5	1,320	0	0	931	2,760	147	0	0	3,430	0	136	1,370
6	1,220	0	0	565	1,450	256	0	0	3,210	560	0	598
7	995	0	0	526	245	0	0	0	2,800	568	0	286
8	0	47	0	841	341	0	0	0	2,810	1,550	0	1,140
9	0	0	0	0	0	0	0	0	2,360	2,050	0	1,130
10	0	0	0	0	0	0	181	0	1,050	1,990	0	287
11	0	1,760	0	0	145	0	0	-266	1,580	1,050	697	0
12	0	512	0	1,160	707	596	-803	0	1,190	734	1,060	0
13	0	800	58	902	472	494	119	-897	0	528	331	0
14	0	86	0	99	244	0	0	-93	0	827	641	164
15	0	95	0	115	0	0	0	178	0	0	533	237
16	0	0	0	32	0	811	0	0	0	1,410	1,460	358
17	0	0	0	268	0	1,970	72	0	0	1,520	1,320	859
18	71	0	344	0	543	298	0	-22	0	1,150	1,150	459
19	0	0	0	0	0	549	0	-132	0	0	1,190	406
20	0	0	48	159	0	554	0	-476	0	310	1,560	0
21	0	0	0	0	175	1,020	310	-410	0	354	1,690	0
22	0	66	0	0	0	1,140	0	-399	178	909	1,540	0
23	1,040	0	0	0	0	58	0	-389	406	1,500	1,930	0
24	276	0	0	126	296	579	0	-404	1,470	1,670	1,630	0
25	0	0	0	0	225	124	0	-1,180	731	1,560	790	996
26	0	0	108	0	242	0	0	-497	206	1,740	2,420	602
27	0	0	0	0	0	132	0	0	0	1,300	2,860	0
28	0	0	0	0	0	795	1,270	0	0	752	4,430	289
29	0	66	0	0	0	0	2,110	0	0	305	3,350	15
30	0	0	0	0	0	422	978	0	386	0	1,940	178
31	0	-----	3,870	0	-----	0	-----	0	-----	289	1,850	-----
TOTAL	8,942	3,471	4,428	15,574	9,655	10,496	5,040	-2565	22,377	24,626	34,527	15,442
MEAN	288	116	143	502	333	339	168	0	746	794	1,114	515
MAX	2,410	1,760	3,870	3,830	2,760	1,970	2,110	2,020	3,430	2,050	4,430	1,750
MIN	0	0	0	0	0	0	0	-1,180	0	0	0	0
AC-FT	17,740	6,960	8,780	30,890	19,150	20,820	10,000	0	44,380	48,840	68,480	30,630
CAL YR 1963-	TOTAL	59,095.00	MEAN 162	MAX 3,870	MIN 0	AC-FT 117,200						
WAT YR 1964-	TOTAL	152,013	MEAN 415	MAX 4,430	MIN -1,180	AC-FT 301,500						

Note --Flow is comprised of S-5A pumpage and discharge through S-5A-S Negative figures indicate reverse flow to north

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	221	1,420	459	0	58	0	232	0	62	0	772	1,680
2	223	763	0	0	180	104	349	0	62	0	1,710	1,570
3	0	742	0	0	345	977	0	0	67	0	2,350	1,630
4	0	362	165	0	0	2,180	0	0	86	0	2,480	909
5	171	715	2,240	0	0	675	0	45	53	0	2,280	0
6	0	224	1,680	0	623	0	0	141	55	0	1,160	937
7	0	0	1,700	0	1,870	0	0	146	64	0	0	1,770
8	0	0	235	0	1,190	0	27	0	81	1,390	0	1,570
9	0	299	821	0	0	0	0	0	90	1,410	883	483
10	0	0	890	0	243	0	0	0	35	606	682	0
11	285	0	0	0	0	0	0	0	248	0	973	0
12	2,160	352	0	0	0	0	0	0	1,700	289	866	0
13	1,880	0	0	0	0	0	0	0	2,240	954	708	0
14	2,580	0	377	0	0	0	0	77	2,270	911	0	0
15	3,460	0	0	0	0	0	0	0	2,130	1,450	0	0
16	2,960	0	0	0	0	0	44	0	2,760	784	0	61
17	3,070	0	0	0	0	0	0	0	2,720	948	0	658
18	2,410	0	0	0	102	0	0	0	2,350	0	0	0
19	1,350	14	0	0	0	0	0	0	2,600	1,480	0	0
20	712	48	0	0	0	0	0	0	2,130	3,100	0	0
21	572	0	0	0	0	0	0	169	1,100	2,370	0	0
22	0	546	0	0	350	0	0	49	825	1,390	0	0
23	518	238	0	0	1,920	138	0	62	992	940	342	229
24	0	0	37	0	2,440	0	0	626	589	1,320	286	0
25	0	262	0	0	625	0	0	1,440	946	1,170	0	0
26	0	0	0	62	0	256	0	1,390	939	970	288	2,360
27	0	0	0	0	0	0	0	1,350	735	1,000	785	923
28	1,980	0	825	0	0	0	0	1,340	716	646	210	240
29	2,650	0	0	0	0	0	0	1,280	776	847	2,200	1,600
30	1,960	0	0	0	0	46	66	1,290	0	1,050	2,180	784
31	2,000	-----	0	0	-----	242	-----	1,290	-----	1,180	1,960	-----
TOTAL	31,162	6,005	9,427	62	9,926	4,618	718	10,715	29,421	26,205	22,798	17,660
MEAN	1,005	200	304	2.00	319	149	23.9	346	845	845	735	589
MAX	3,460	1,420	2,240	62	2,440	2,180	349	1,440	2,760	3,100	2,480	2,360
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	61,810	11,910	18,700	123	19,690	9,160	1,420	21,250	58,360	51,980	45,220	35,030
CAL YR 1964-	TOTAL	181,766	MEAN 497	MAX 4,430	MIN -1,180	AC-FT 360,500						
WAT YR 1965-	TOTAL	168,717.00	MEAN 462	MAX 3,460	MIN 0	AC-FT 334,600						

Note --Flow is comprised of S-5A pumpage and discharge through S-5A-S Negative figures indicate reverse flow to north



2-2785 5 Levee 8 Canal at West Palm Beach Canal, near Loxahatchee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	171	0	-87	-136	-27	-23	-25	62	-20	152	119	385
2	162	-33	-86	-132	-23	-23	-47	98	-60	158	147	373
3	156	-32	-92	-84	-43	28	33	-23	-59	141	128	376
4	130	-52	-98	-94	-42	14	31	-73	0	136	123	346
5	109	-92	-105	-102	-53	14	48	-54	-37	127	107	329
6	128	-89	-106	-114	-27	83	-25	-31	-100	119	122	294
7	119	-45	-106	-113	-27	81	-113	-126	-78	107	130	318
8	112	-49	-112	-114	-42	73	-14	-102	-70	104	129	306
9	111	-103	-109	-106	-43	8	-2	-87	-90	38	109	301
10	74	-94	-114	-106	-45	0	-139	-77	-54	19	125	288
11	69	-98	-115	-115	-58	-21	-73	-91	-62	19	115	194
12	41	-97	-122	-85	-40	-28	-66	-71	-60	-19	110	169
13	13	-111	-117	-77	-28	34	31	-59	-61	-23	98	282
14	99	-105	-118	-75	-28	26	87	-13	-80	-89	113	188
15	-21	-110	-117	-64	-28	43	0	13	-3	69	248	129
16	0	-104	-109	-59	-27	26	69	-14	-161	100	481	112
17	20	-84	-108	-77	-27	56	0	-22	-86	118	368	121
18	171	-65	-108	-76	-26	0	0	-25	-75	135	335	110
19	159	-52	-110	-76	-15	-13	27	-57	-52	141	386	135
20	85	-64	-110	-82	-15	-12	30	-35	-52	133	436	262
21	94	-98	-112	-75	-25	-62	14	-80	-97	116	384	417
22	113	-101	-106	-57	-39	-54	14	-127	47	116	392	456
23	70	-95	-109	-75	-48	-17	64	-115	130	64	394	544
24	41	-87	-101	-76	-38	-22	12	-53	210	63	376	447
25	41	-91	-101	-58	-14	43	12	0	156	93	365	376
26	41	-84	-96	-61	-37	172	66	-21	143	107	345	312
27	21	-51	-101	-73	-54	141	9	-67	134	135	409	252
28	0	-32	-109	-77	-37	98	-14	-65	98	170	370	234
29	-3	-52	-110	-16	-	66	28	-64	90	144	378	225
30	144	-82	-114	-96	-	50	66	-55	155	159	394	269
31	-5	-----	-127	-10	-----	-25	-----	-51	-----	182	450	-----
TOTAL	2,465	-2,252	-3,335	-2,541	-956	776	123	-1,465	-194	3,034	8,186	8,550
MEAN	79.5	-75	-108	-82.0	-31.1	25.0	4.1	-47.3	-6.5	97.9	264.4	285.6
MAX	171	0	-86	-10	-14	172	87	98	210	182	481	544
MIN	-21	-111	-127	-136	-58	-54	-139	-127	-161	-89	98	110
AC-FT	4,890	-4,470	-6,610	-5,040	-1,900	1,540	244	-2,910	-385	6,020	16,240	16,960

CAL YR 1961: TOTAL 54,594 MEAN 150 MAX 511 MIN -127 AC-FT 108,300  
WAT YR 1962: TOTAL 12,391 MEAN 33.9 MAX 544 MIN -161 AC-FT 24,580

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	319	196	204	167	164	71	182	155	239	162	123	93
2	278	240	212	166	179	0	218	165	167	185	138	62
3	318	274	199	158	162	0	257	151	107	158	134	104
4	270	263	169	148	158	128	237	177	178	141	139	106
5	259	226	172	145	171	214	238	44	303	122	112	102
6	230	197	182	141	169	167	234	42	213	172	105	109
7	202	209	172	145	168	178	232	141	220	200	105	107
8	155	219	182	148	166	160	244	220	192	156	106	102
9	131	365	186	148	181	181	230	215	284	143	118	96
10	141	331	188	144	171	165	219	215	278	123	122	127
11	113	252	177	143	183	127	222	167	265	135	126	60
12	64	217	184	145	183	199	229	140	243	122	34	-27
13	38	178	191	154	179	383	231	148	226	115	19	-36
14	48	191	204	149	175	319	226	147	215	117	19	-51
15	53	174	194	160	173	226	213	161	214	117	0	-51
16	50	165	185	151	170	196	192	171	196	110	0	-51
17	0	164	183	148	169	181	145	163	217	129	-19	-51
18	148	186	187	164	166	191	151	157	242	206	-19	-65
19	170	185	181	171	188	239	155	156	214	66	-74	-114
20	219	187	179	154	189	269	157	154	226	37	206	-78
21	238	194	181	159	193	279	153	141	202	82	208	20
22	315	194	181	153	213	271	162	138	172	38	214	40
23	219	187	181	150	187	243	161	139	173	100	234	160
24	384	187	197	151	195	245	162	106	167	104	209	118
25	465	196	213	149	181	232	155	0	162	113	220	265
26	369	199	178	155	210	204	167	0	164	105	138	249
27	348	205	173	151	214	239	148	92	276	92	130	277
28	340	202	163	150	210	258	141	110	185	94	131	133
29	348	211	165	147	-----	236	150	332	214	123	96	160
30	305	204	169	155	-----	214	148	251	89	98	126	270
31	170	-----	168	164	-----	191	-----	98	-----	100	116	-----
TOTAL	6,707	6,398	5,700	4,733	5,067	6,206	5,759	4,496	6,243	3,738	3,343	2,236
MEAN	216	213	184	153	181	200	192	145	208	121	108	74.5
MAX	465	365	213	171	214	383	257	332	303	206	234	277
MIN	0	164	163	141	158	0	141	0	89	37	-74	-114
AC-FT	13,300	12,690	11,310	9,390	10,050	12,310	11,420	8,920	12,380	7,410	6,630	4,440

CAL YR 1962: TOTAL 34,318 MEAN 94.0 MAX 544 MIN -161 AC-FT 68,070  
WAT YR 1963: TOTAL 60,626 MEAN 166 MAX 465 MIN -114 AC-FT 120,200

Note --Negative figures indicate reverse flow

2-2785 5 Levee 8 Canal at West Palm Beach Canal, near Loxahatchee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
DAY	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	SEPT	
1	139	-10	0	527	150	178	118	57	19	39	135	
2	-7	19	0	627	139	148	90	243	-52	21	144	
3	320	-31	0	459	94	130	109	182	-87	0	156	
4	282	-18	63	416	227	148	115	153	-5	71	189	
5	252	-93	19	394	328	138	90	141	317	41	174	
6	222	-65	-19	335	390	148	89	167	257	21	156	
7	222	-33	-31	313	319	123	88	180	302	-11	69	
8	168	-17	-31	348	360	117	109	161	296	107	166	
9	192	-82	-50	280	337	110	110	161	293	147	160	
10	157	-133	-62	274	308	92	120	173	121	163	125	
11	140	197	-60	255	190	116	112	133	298	80	109	
12	149	3	-48	349	252	113	125	-78	224	84	205	
13	144	58	-16	336	232	112	122	-109	150	-8	270	
14	136	-30	-18	333	234	71	94	197	59	276	292	
15	129	24	0	295	202	93	117	125	221	41	297	
16	105	0	-63	240	219	137	107	120	217	189	382	
17	162	-19	-106	250	201	255	94	219	188	105	368	
18	166	-19	-36	269	224	28	108	83	110	138	366	
19	168	-19	-34	269	195	135	83	109	118	122	310	
20	159	-19	15	267	210	113	83	38	123	84	290	
21	181	0	-65	185	208	112	123	20	92	137	239	
22	161	-16	-64	235	131	196	96	0	78	236	226	
23	200	-51	-63	234	185	47	60	-19	34	336	348	
24	163	-19	-20	204	199	147	-65	0	96	372	231	
25	134	0	20	212	164	106	-45	-334	116	279	209	
26	111	-19	-27	226	202	112	-95	-46	139	354	386	
27	112	0	-32	179	178	112	117	38	130	326	160	
28	88	-32	-51	182	183	128	-6	0	160	274	874	
29	106	-62	-51	184	184	91	230	19	90	226	975	
30	-32	67	-121	168	168	164	46	38	83	150	714	
31	-32	-----	431	160	-----	135	-----	37	-----	169	401	
TOTAL	4,597	-419	-520	8,885	6,445	3,855	2,536	2,130	4,324	4,352	9,050	
MEAN	148	-14	-16	290	222	124	84	68	144	140	292	
MAX	320	197	431	627	390	255	230	243	317	372	975	
MIN	-32	-133	-121	160	94	28	-95	-334	-87	-11	69	
AC-FT	9,120	-831	-1,030	17,820	12,780	7,650	5,030	4,220	8,580	8,630	17,950	
CAL YR 1963:	TOTAL	45,479		MEAN	125		MAX	431	MIN	-133	AC-FT	90,210
WAT YR 1964:	TOTAL	55,389		MEAN	151		MAX	975	MIN	-334	AC-FT	109,900

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	SEPT	
1	192	416	454	237	264	237	186	148	-49	100	192	
2	78	316	315	255	158	226	222	155	-52	137	-6	
3	0	475	256	273	191	219	178	123	-41	166	0	
4	0	398	246	277	205	241	141	85	-44	194	0	
5	108	468	307	309	185	245	184	52	-67	162	0	
6	137	373	284	306	205	240	183	50	-80	58	82	
7	156	388	394	356	230	233	180	62	-66	-37	224	
8	125	395	394	343	251	236	185	107	-69	113	177	
9	145	392	368	326	259	216	184	120	-112	133	254	
10	146	391	356	325	244	221	188	149	-182	58	227	
11	161	398	368	151	246	217	178	156	-166	-65	123	
12	248	443	390	255	234	226	15	132	23	73	0	
13	279	395	407	292	235	288	-19	120	206	142	190	
14	331	385	426	262	243	287	-89	39	213	66	307	
15	135	377	435	281	225	219	24	79	153	119	276	
16	298	366	413	292	193	221	63	95	223	108	266	
17	944	360	407	347	205	226	92	-77	265	111	274	
18	928	364	399	329	248	212	34	-32	302	-64	166	
19	802	361	360	302	240	221	91	-17	376	104	208	
20	776	361	364	289	230	217	136	-92	366	391	226	
21	644	357	361	294	209	204	126	-40	212	352	233	
22	576	306	360	295	239	200	0	-56	98	218	227	
23	515	281	285	296	258	200	17	-44	85	102	255	
24	482	354	327	300	133	206	-17	-42	52	197	247	
25	475	382	336	305	45	209	-17	-44	113	238	232	
26	460	391	315	295	279	189	-29	-54	222	253	234	
27	445	378	305	275	245	191	-17	-30	200	257	246	
28	476	379	343	246	234	195	0	-70	173	146	187	
29	712	388	365	255	-----	204	75	-54	121	296	301	
30	570	366	354	243	-----	203	65	-43	0	204	284	
31	605	-----	315	249	-----	217	-----	-54	-----	278	296	
TOTAL	11,949	11,404	11,009	8,860	6,133	6,866	2,559	932	2,475	4,610	5,928	
MEAN	385	380	355	286	219	221	85	30	82	149	191	
MAX	944	475	454	356	279	288	222	156	376	391	307	
MIN	0	281	246	151	45	189	-89	-92	-182	-65	-6	
AC-FT	23,700	22,620	21,840	17,570	12,160	13,620	5,076	1,849	4,909	9,144	11,760	
AL YR 1964:	TOTAL	86,093		MEAN	235		MAX	975	MIN	-334	AC-FT	170,800
AT YR 1965:	TOTAL	78,171		MEAN	214		MAX	944	MIN	-182	AC-FT	155,000

Note --Negative figures indicate reverse flow

2-2786 West Palm Beach Canal below S-5A-E, near Loxahatchee, Fla

Location --Lat 26°41'05", long 80°21'50", in SE 1/4 sec 32, T 43 S, R 40 E, near left bank, 350 ft downstream from control structure 5A-E and 6 miles west of Loxahatchee, Palm Beach County

Records available --September 1955 to September 1965 Monthly discharge only for September 1955, published in WSP 1724

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Auxiliary water-stage recorder in Levee 8 Canal 50 ft above S-5A-E

Average discharge --10 years, 299 cfs (216,500 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 16, 1961	768	a 14 07	Many days	0	b 6 11
1962	Sept 23, 1962	544	c 12 23	Sept 21, 1962	-40	d 6 76
1963	July 18, 1963	654	e 11 23	Many days	0	f 6 25
1964	Jan 14, 1964	709	g 13 66	Dec 31, 1963	-77	h 6 02
1965	Oct 20, 1964	776	i 13 57	Oct 12, 1964	-31	j 6 00

a Occurred Oct 1, 1960 b Occurred Aug 2, 1961 c Occurred Sept 22, 1962 d Occurred June 28, 1962 e Occurred Oct 1, 1962 f Occurred Mar 12, 1963 g Occurred Aug 28, 1964 h Occurred Oct 9, 1963 i Occurred Oct 15, 1964 j Occurred Sept 9, 1965

Note --Negative figures indicate reverse flow

1955-65 Maximum daily discharge, 960 cfs Oct 3, 1959, maximum gage height, 16 13 ft  
Sept 26, 1960, maximum daily reverse flow, 805 cfs Sept 18, 1960, minimum gage height, 6 00 ft  
Sept 9, 1965

Remarks --Records good except those for periods of indefinite discharge relation and those for the 1985 water year, which are fair Normal flow to east regulated at S-5A-E by Central and Southern Florida Flood Control District for irrigation and drainage Flow diverted above station through S-5A-S and by pumpage at S-5A Flow materially affected by regulation of Cross Canal 1 1/2 miles upstream and hurricane gate structure 5, 20 miles upstream Discharge computed from head-gate-opening-discharge relations

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	570	686	722	709	696	465	377	699	741	457	572
2	0	553	671	729	709	663	524	382	680	712	368	621
3	0	639	677	734	725	677	656	533	639	712	554	562
4	0	663	677	731	715	680	712	589	632	728	298	520
5	129	642	673	734	677	673	690	587	686	734	161	524
6	293	660	693	750	649	616	680	573	693	709	161	515
7	370	656	693	753	659	690	680	507	680	702	161	527
8	270	632	683	747	725	677	663	573	683	702	160	503
9	360	635	680	739	725	696	628	582	437	680	159	500
10	265	598	673	0	725	680	666	394	652	709	194	495
11	0	662	670	532	731	649	656	305	670	693	192	508
12	0	606	680	696	722	635	673	554	649	656	157	492
13	0	602	690	729	718	646	731	510	659	639	156	490
14	0	610	670	747	715	718	712	527	660	646	157	492
15	151	660	683	753	709	709	683	515	665	673	56	507
16	334	686	712	768	702	693	696	501	686	653	30	507
17	355	649	693	734	709	693	712	500	675	673	16	497
18	432	621	683	728	686	680	702	516	660	660	18	506
19	403	617	699	715	686	718	686	514	648	696	0	509
20	404	590	686	715	683	706	673	513	643	683	0	501
21	545	666	693	666	690	690	670	510	659	670	0	490
22	616	748	709	683	670	677	660	514	663	696	0	483
23	556	738	725	744	673	670	663	522	675	693	0	484
24	562	686	724	715	696	666	666	546	594	682	712	0
25	621	702	731	756	683	663	680	527	681	683	285	497
26	624	699	731	747	690	649	529	334	684	706	412	500
27	617	690	725	722	718	663	512	405	690	706	0	495
28	624	686	724	715	690	666	546	594	682	712	0	492
29	635	690	718	712	-----	673	536	570	656	699	0	413
30	632	690	725	725	-----	649	528	598	699	696	223	346
31	639	-----	715	712	-----	646	-----	649	-----	690	574	-----
TOTAL	10,437	19,512	21,594	20,467	19,610	21,014	19,278	15,952	19,863	21,432	4,899	15,033
MEAN	337	650	697	600	709	678	643	515	662	691	156	501
MAX	639	748	731	768	731	718	731	699	699	741	554	621
MIN	0	553	670	0	649	635	465	334	437	639	0	346
AC-FT	20,700	38,700	42,830	40,600	38,900	41,680	38,240	31,640	39,400	42,510	9,720	29,820

CAL YR 1960: TOTAL 203,327 MEAN 556 MAX 793

WAT YR 1961 TOTAL 209,091.00 MEAN 573 MAX 768 MIN --805

AC-FT 403,300 AC-FT 414,700

Note --Negative figures indicate reverse flow to west

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2786 West Palm Beach Canal below S-5A-E near Loxahatchee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	352	0	0	0	101	91	0	0	0	0	0	0
2	347	0	0	0	99	93	0	0	0	0	0	0
3	337	0	0	0	98	93	0	0	0	0	0	0
4	248	0	26	0	96	94	0	0	0	0	0	0
5	194	0	0	0	97	94	0	0	0	0	0	0
6	195	0	0	0	97	98	0	0	0	0	0	0
7	194	0	0	0	96	96	0	0	0	0	0	0
8	193	0	0	0	95	94	0	0	0	0	0	0
9	135	0	0	0	30	124	0	0	0	0	0	0
10	29	0	0	0	0	134	0	0	0	0	0	0
11	0	0	0	0	0	130	0	0	0	0	0	0
12	0	0	0	0	0	132	0	0	0	0	0	0
13	0	0	0	0	0	133	0	0	0	0	0	0
14	0	0	0	0	0	132	0	0	0	0	0	0
15	0	0	0	0	0	134	0	0	0	0	0	0
16	0	0	0	0	70	134	0	0	0	0	0	0
17	0	0	0	0	99	134	0	0	0	0	0	0
18	0	0	21	0	96	130	0	0	0	0	0	0
19	0	0	0	0	95	130	0	0	0	0	0	0
20	0	0	32	0	94	128	0	0	0	0	0	0
21	0	0	0	0	93	128	0	0	0	0	0	-40
22	0	0	43	0	92	132	0	0	0	0	0	456
23	0	0	0	0	92	130	61	0	0	0	0	544
24	0	0	0	0	93	126	86	0	0	0	0	447
25	0	0	0	0	91	92	85	0	0	134	0	376
26	0	0	0	0	90	0	85	0	0	74	0	312
27	0	0	0	0	90	0	83	0	0	0	0	252
28	0	0	0	0	90	0	79	0	0	0	0	234
29	0	0	0	164	-----	0	77	0	0	0	0	225
30	0	0	0	0	-----	0	25	0	0	0	0	269
31	0	-----	0	72	-----	0	-----	0	-----	0	-----	-----
TOTAL	2,224	0	122	236	1,994	2,936	581	0	0	208	0	3,075
MEAN	71.7	0	3.94	7.61	71.2	94.7	19.4	0	0	6.71	0	103
MAX	352	0	43	166	101	134	86	0	0	134	0	544
MIN	0	0	0	0	0	0	0	0	0	0	0	-40
AC-FT	4,410	0	242	468	3,960	5,820	1,150	0	0	413	0	6,100
CAL YR 1961	TOTAL 159,894.00	MEAN 438	MAX 768	MIN 0	AC-FT 317,100							
WAT YR 1962	TOTAL 11,376	MEAN 31.2	MAX 544	MIN -40	AC-FT 22,160							

Note --Negative figures indicate reverse flow to west

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	319	196	204	167	164	71	174	274	114	509	516	461
2	278	240	212	166	179	0	238	280	407	514	515	460
3	318	274	199	158	162	0	300	102	546	513	520	496
4	270	263	169	148	158	128	284	0	519	519	513	492
5	259	226	172	145	171	214	271	0	467	540	495	492
6	230	197	182	141	169	167	256	0	425	530	492	482
7	202	209	172	145	163	178	254	141	464	510	489	471
8	155	219	182	148	166	160	258	220	516	509	501	461
9	131	239	186	148	181	181	253	215	534	528	507	464
10	141	331	186	144	171	165	249	215	539	533	500	465
11	113	252	177	143	183	127	249	201	539	534	485	370
12	64	217	184	145	183	199	251	210	525	532	429	100
13	38	178	191	154	179	383	252	209	516	535	354	0
14	48	191	204	149	175	319	248	211	504	534	356	0
15	53	174	194	160	173	226	241	216	494	532	346	0
16	50	165	185	151	170	164	230	213	489	525	335	0
17	0	164	183	148	169	176	241	208	509	527	331	0
18	148	166	187	164	166	179	264	208	488	654	329	0
19	170	165	181	171	188	268	267	205	504	613	284	0
20	219	187	179	154	189	298	266	204	503	514	150	0
21	234	194	181	159	193	301	264	205	512	515	113	0
22	194	194	181	153	213	296	269	207	522	520	118	0
23	194	187	181	150	187	287	270	166	521	515	441	0
24	384	187	197	151	195	284	269	111	525	508	578	0
25	465	196	213	149	181	239	267	115	527	490	586	0
26	369	199	178	155	210	159	267	119	513	477	439	0
27	368	205	173	151	214	164	264	118	497	473	500	0
28	340	202	163	150	210	166	261	116	483	476	497	0
29	348	211	165	147	-----	162	263	104	456	486	494	333
30	305	204	169	155	-----	164	263	88	485	498	490	422
31	170	-----	166	164	-----	172	-----	107	-----	507	484	-----
TOTAL	6,261	6,292	5,700	4,733	5,067	5,997	7,703	4,988	14,643	16,170	13,187	5,969
MEAN	212	210	184	153	181	193	257	161	488	522	425	199
MAX	465	331	213	171	214	383	300	280	546	654	586	496
MIN	0	164	163	141	158	0	174	0	114	473	113	0
AC-FT	13,010	12,480	11,310	9,390	10,050	11,890	15,280	9,890	29,040	32,070	26,160	11,840
CAL YR 1962	TOTAL 47,583	MEAN 75.6	MAX 544	MIN -40	AC-FT 54,710							
WAT YR 1963	TOTAL 97,010.00	MEAN 266	MAX 654	MIN 0	AC-FT 192,400							

Note --Negative figures indicate reverse flow to west Stage-discharge relation indefinite Mar 16 to May 3, May 11 to Sept 12

2-2786 West Palm Beach below S-5A-E, near Loxahatchee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	263	103	105	-14	111	112	115	0	300	202	348	306
2	232	106	105	0	113	114	116	0	309	216	307	263
3	0	102	107	314	115	117	116	0	312	222	344	343
4	0	100	106	663	97	115	116	114	312	226	392	447
5	0	34	106	606	54	115	116	224	225	220	272	444
6	0	0	106	632	199	115	114	211	193	222	214	437
7	0	0	106	635	424	114	115	198	42	222	226	450
8	0	0	105	578	516	114	118	193	-30	218	351	439
9	205	0	106	632	523	116	119	196	0	119	394	450
10	379	0	105	663	522	120	115	196	67	0	402	426
11	335	0	104	649	228	121	110	199	183	0	387	386
12	346	0	105	586	0	121	108	286	177	0	375	353
13	362	0	105	528	74	117	109	336	219	0	394	332
14	370	0	106	709	113	116	111	315	228	0	383	323
15	373	47	106	663	112	118	111	234	233	151	383	293
16	311	106	106	666	114	116	106	118	226	208	384	272
17	306	106	34	666	114	93	102	134	213	195	384	356
18	354	105	0	699	111	112	103	244	222	201	365	350
19	383	105	0	683	113	122	104	300	229	223	353	353
20	381	105	35	673	114	117	105	294	224	228	275	358
21	382	106	56	482	111	113	104	310	226	226	239	358
22	382	105	56	365	107	114	103	309	223	215	256	396
23	125	106	54	356	117	121	106	310	226	198	288	345
24	254	106	57	363	123	115	112	314	200	187	291	334
25	288	106	56	490	117	114	148	286	194	192	319	313
26	214	106	56	466	115	116	220	297	196	181	111	278
27	204	106	56	196	112	115	220	320	205	191	0	288
28	155	105	56	107	114	110	230	310	209	192	0	292
29	107	107	56	111	114	113	178	303	219	217	12	314
30	105	107	54	110	-----	113	0	302	217	222	146	319
31	104	-----	-77	111	-----	113	-----	297	-----	223	352	-----
TOTAL	6,920	2,077	2,238	14,388	4,799	3,562	3,650	7,150	5,999	5,317	8,947	10,618
MEAN	223	69.2	72.2	464	165	115	122	231	200	172	289	354
MAX	383	107	107	709	523	122	230	336	312	228	402	450
MIN	0	0	-77	-14	0	93	0	0	-30	0	0	263
AC-FT	13,730	4,120	4,440	28,540	9,520	7,070	7,240	14,180	11,900	10,550	17,750	21,060
CAL YR 1963	TOTAL 87,692			MEAN 286		MAX 654		MIN -77		AC-FT 177,900		
WAT YR 1964	TOTAL 75,665			MEAN 207		MAX 709		MIN -77		AC-FT 150,100		

Note --Negative figures indicate reverse flow to west

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	318	0	336	314	373	237	352	537	257	0	0	327
2	310	213	327	352	349	226	347	537	280	0	0	284
3	341	347	324	354	242	219	341	539	276	0	0	282
4	362	348	325	353	256	241	334	526	273	0	0	286
5	361	348	324	343	265	245	327	523	271	0	0	289
6	362	373	284	339	240	240	322	512	262	0	0	88
7	356	388	394	327	245	233	322	505	260	73	0	0
8	347	395	394	343	251	246	321	521	87	106	0	0
9	348	392	368	326	259	216	322	514	0	90	158	176
10	322	391	356	325	262	221	327	526	0	98	227	450
11	284	398	368	295	264	217	318	521	0	99	123	358
12	-31	364	390	349	266	226	339	533	0	101	0	299
13	0	395	407	348	268	288	368	551	0	33	120	303
14	0	385	476	346	265	267	368	416	0	0	307	304
15	0	377	435	345	262	219	498	336	0	0	276	306
16	188	366	413	349	260	221	565	332	0	0	266	297
17	488	360	407	353	262	226	565	360	0	0	274	265
18	512	364	399	340	265	212	553	422	0	0	279	273
19	690	361	360	337	265	221	555	478	0	0	310	277
20	776	361	364	334	269	217	565	395	0	0	312	276
21	644	357	361	339	268	204	553	364	0	0	310	285
22	576	306	360	337	261	293	558	360	0	0	315	293
23	515	281	327	328	89	325	565	346	0	0	315	289
24	482	354	350	333	0	322	555	340	0	0	306	781
25	475	362	345	339	45	316	551	340	0	0	305	189
26	460	391	346	336	279	313	546	340	0	0	302	0
27	445	376	354	334	245	325	551	295	0	0	293	56
28	260	321	329	336	234	327	535	194	0	0	295	208
29	126	319	365	334	-----	335	539	196	0	0	253	254
30	250	322	354	334	-----	335	537	201	0	0	260	249
31	229	-----	315	343	-----	327	-----	202	-----	0	296	-----
TOTAL	10,818	10,337	11,209	10,465	6,809	8,070	13,499	12,764	1,966	600	5,902	7,244
MEAN	349	345	362	338	243	260	450	412	65.5	19.4	190	241
MAX	776	398	435	354	373	335	565	551	280	106	315	450
MIN	-31	0	284	295	0	204	318	194	0	0	0	0
AC-FT	21,460	20,500	22,230	20,760	13,510	16,010	26,770	25,320	3,900	1,190	11,710	14,370
CAL YR 1964	TOTAL 96,794			MEAN 264		MAX 776		MIN -31		AC-FT 192,000		
WAT YR 1965	TOTAL 99,683			MEAN 273		MAX 776		MIN -31		AC-FT 199,700		

Note --Negative figures indicate reverse flow to west



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2790 West Palm Beach Canal at West Palm Beach, Fla

Location --Lat 26°38'40", long 80°03'32, in NE 1/4 sec 16, T 44 S, R 43 E, 56 ft (revised) from left bank on downstream side of left pier of Florida East Coast Railway bridge, 800 ft upstream from lock, dam, and bridge on State Highway 805 on Poinsettia Avenue, and 4 9 miles south of courthouse in West Palm Beach, Palm Beach County

Records available --November 1939 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level (State Road Department bench mark) Prior to Apr 26, 1940, staff gage and Apr 26, 1940, to Dec 19, 1949, water-stage recorder, 800 ft downstream at datum 0 25 ft higher Dec 20, 1949, to June 3, 1959, water-stage recorder 800 ft downstream at present datum

Average discharge --25 years, 882 cfs (638,500 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 1961	a 2,200	b 8 72	Aug 9, 1961	270	c 3 04
1962	Sept 22, 1962	d 1,430	d 9 13	Apr 22, 23, 1962	82	e 5 49
1963	May 4, 1963	f 1,460	f 9 00	Nov 7, 1962	132	g 5 29
1964	June 9, 1964	1,790	h 9 29	Apr 10, 1964	138	i 2 85
1965	July 21, 1965	3,270	j 9 30	June 1, 1965	104	k 2 85

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 2,360 cfs Oct 1, 1960, occurred on recession following crest of Sept 26, 1960  
b Occurred Aug 16, 1961  
c Occurred Jan 11, 1961  
d Occurred Oct 29, 1961  
e Occurred Sept 24, 1962  
f Occurred Feb 17, 1963  
g Occurred May 6, 1963  
h Occurred Nov 11, 1963  
i Occurred Oct 9, 1963  
j Occurred June 15, 1965  
k Occurred Sept 9, 1965

1939-65 Maximum daily discharge, 5,320 cfs Apr 18, 1942, maximum gage height, 10 89 ft Oct 13, 1947, present datum, minimum daily discharge, 30 cfs or less during periods of leakage only, December 1956 and January 1957 (based on estimates), minimum gage height, 2 85 ft Dec 3, 1953, Oct 9, 1963, and Sept 9, 1964  
Maximum stage known, 13 20 ft Oct 23, 24, 1924, present datum (discharge, 8,570 cfs), from records by Everglades Drainage District

Remarks --Records good prior to Oct 1, 1964, fair thereafter Flow regulated by manipulation of stoplogs in dam and gates in lock chamber for irrigation and drainage purposes by Central and Southern Florida Control District Lock chamber not used for navigation Since January 1954, flow affected by control structures 20 miles upstream Discharge for period prior to July 8, 1965, was computed from continuous velocity record obtained from recording deflection meter For period July 9 to Sept 30, 1965, discharge was computed from stage of recorder 800 ft downstream, spillway and lock relations

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

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,360	1,620	1,040	881	945	762	818	530	859	890	801	781
2	2,360	1,630	1,020	879	934	742	791	793	793	898	808	891
3	2,100	1,420	988	877	916	765	771	508	890	870	332	826
4	1,970	1,360	971	873	982	742	824	592	899	884	297	762
5	1,830	1,170	965	862	966	768	832	618	889	883	297	578
6	1,780	1,170	966	876	966	766	823	618	858	884	294	602
7	1,730	1,140	980	865	968	743	826	618	860	882	294	628
8	1,910	1,090	963	877	986	732	868	612	899	880	276	628
9	1,830	1,070	961	1,930	966	734	870	592	1,110	883	270	608
10	1,870	1,060	957	1,830	963	717	874	764	882	882	292	614
11	2,060	1,040	951	1,440	947	691	841	579	929	897	283	624
12	1,900	1,010	946	1,830	936	690	816	505	787	880	286	597
13	2,040	1,010	942	2,200	934	683	814	519	807	831	289	587
14	1,950	1,010	864	2,080	937	743	794	602	821	779	289	577
15	1,820	1,020	878	2,070	920	781	784	612	810	759	286	546
16	1,770	1,220	905	1,390	893	770	766	592	812	745	330	562
17	1,770	1,220	902	1,160	890	765	765	566	816	742	478	572
18	1,760	1,310	916	1,190	891	743	733	529	813	743	475	572
19	1,770	1,170	903	1,170	882	795	742	509	778	769	306	556
20	1,680	1,120	913	920	880	816	718	520	777	811	333	562
21	1,680	1,090	895	856	818	897	714	535	759	830	312	566
22	1,650	1,120	884	856	801	1,100	716	535	783	829	464	556
23	1,680	1,150	865	900	785	1,070	718	507	783	842	560	551
24	1,620	1,140	881	948	786	990	707	504	783	837	529	541
25	1,530	1,130	907	964	795	798	692	518	805	778	495	530
26	1,500	1,140	906	1,000	803	834	624	797	805	782	862	510
27	1,600	1,110	897	1,030	791	834	467	991	803	813	525	515
28	1,570	972	898	1,000	775	805	505	1,000	810	834	502	525
29	1,560	1,360	897	973	-----	779	540	1,040	807	825	501	460
30	1,520	1,060	877	962	-----	777	560	1,070	868	816	499	398
31	1,490	-----	878	958	-----	767	-----	1,020	-----	813	643	-----
TOTAL	55,610	35,192	28,716	36,647	25,091	24,599	22,293	19,933	25,095	25,777	12,897	17,825
MEAN	1,794	1,173	926	1,182	896	794	743	643	837	832	416	594
MAX	2,360	1,630	1,040	2,200	986	1,100	874	1,070	1,110	897	862	891
MIN	1,490	972	864	856	775	683	467	433	759	742	270	398
AC-FT	110,300	69,800	56,960	72,690	49,770	48,790	44,220	39,540	49,780	51,130	25,580	35,360
CAL YR 1960- TOTAL	401,728			MEAN 1,098		MAX 4,880		MIN 565		AC-FT 796,800		
WAT YR 1961 TOTAL	329,675			MEAN 903		MAX 2,360		MIN 270		AC-FT 653,900		

## 2-2790 West Palm Beach Canal at West Palm Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	347	447	456	160	168	170	158	89	94	444	303	773
2	385	251	343	160	170	170	125	87	94	651	293	604
3	435	242	305	160	171	170	127	87	95	629	337	618
4	435	258	256	160	173	170	130	118	117	573	337	468
5	371	270	229	162	173	170	130	840	116	518	337	429
6	333	273	257	162	174	170	128	687	118	476	347	490
7	290	286	259	164	174	168	130	746	118	563	357	552
8	265	300	257	160	176	166	237	468	119	579	416	683
9	260	276	254	162	176	168	445	223	121	578	385	707
10	308	270	252	164	176	168	365	182	123	570	570	683
11	322	260	252	162	178	168	191	255	171	585	591	619
12	305	258	239	162	178	168	150	269	244	574	652	581
13	289	270	229	170	173	168	127	211	231	711	780	630
14	286	346	227	170	171	168	126	198	233	898	766	709
15	273	300	227	173	170	168	126	196	710	798	782	710
16	273	273	229	178	168	168	94	173	801	753	889	667
17	260	260	229	202	170	168	95	173	661	730	869	369
18	855	247	233	202	173	168	117	151	497	678	843	405
19	907	255	223	200	173	168	114	131	450	596	703	480
20	432	245	201	200	174	168	114	131	485	593	649	750
21	194	214	201	198	173	170	93	120	617	444	591	1,190
22	211	218	201	173	168	170	82	97	892	418	590	1,490
23	244	233	205	173	171	168	82	97	1,050	334	553	1,430
24	233	238	196	173	170	170	84	86	915	312	422	1,320
25	235	246	194	171	171	196	85	86	803	323	389	1,180
26	246	246	193	170	171	766	84	86	614	386	390	1,020
27	246	244	194	170	170	684	87	96	505	374	401	889
28	246	223	171	170	170	395	90	95	305	350	625	640
29	1,170	223	171	170	-----	201	90	94	173	330	1,020	1,350
30	960	326	168	170	-----	201	90	94	272	320	969	1,320
31	614	-----	170	168	-----	191	-----	94	-----	323	998	-----
TOTAL	12,230	7,998	7,221	5,343	4,828	6,680	3,996	6,440	11,744	16,411	18,154	23,816
MEAN	395	267	233	172	172	215	133	208	391	529	586	754
MAX	1,170	447	456	202	178	766	365	840	1,050	898	1,020	1,490
MIN	194	214	168	160	168	166	82	86	94	312	293	369
AC-FT	24,260	15,860	14,320	10,600	9,580	13,250	7,930	12,770	23,290	32,550	36,010	47,240
CAL YR 1961	TOTAL 237,606			MEAN 651		MAX 2,200		MIN 168		AC-FT 471,300		
WAT YR 1962	TOTAL 124,801			MEAN 342		MAX 1,490		MIN 82		AC-FT 247,700		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,270	459	246	207	248	466	364	244	480	667	374	718
2	1,160	245	259	207	248	429	350	233	492	656	374	1,090
3	1,100	245	261	227	238	458	343	266	459	650	350	659
4	1,040	242	227	227	328	414	248	1,460	435	650	350	659
5	1,010	244	265	227	385	414	248	1,330	761	646	333	707
6	980	209	244	238	347	382	262	971	879	636	343	728
7	728	132	226	229	267	341	253	478	772	636	357	746
8	727	276	227	242	231	333	266	803	606	724	439	742
9	680	697	227	242	235	330	266	385	803	596	449	742
10	742	593	227	242	225	308	264	385	796	599	454	771
11	690	571	225	253	203	587	264	388	796	582	444	682
12	640	497	204	253	434	536	253	392	755	595	417	799
13	606	438	203	242	590	237	253	403	724	564	333	713
14	566	275	203	242	430	283	253	400	755	577	280	687
15	567	226	203	242	297	294	264	363	745	577	265	670
16	568	227	227	242	243	281	262	305	734	577	292	636
17	505	229	251	242	743	278	243	314	752	553	294	603
18	441	231	240	251	464	268	244	314	772	641	308	572
19	472	242	240	248	473	215	246	328	724	609	319	786
20	444	242	251	238	369	244	246	350	646	480	332	1,220
21	395	276	251	227	350	211	246	325	620	734	479	1,200
22	412	276	253	227	471	233	246	339	586	765	958	1,080
23	419	302	253	248	447	255	235	388	567	788	974	1,150
24	834	292	289	251	484	291	235	385	557	654	1,010	1,180
25	679	302	302	238	495	302	235	324	575	414	989	1,130
26	592	283	291	248	484	249	213	307	600	439	745	1,130
27	534	259	255	251	459	253	235	318	626	439	694	1,100
28	570	246	253	251	504	255	211	318	636	398	770	1,020
29	568	246	253	248	-----	258	211	464	646	418	759	911
30	513	246	231	246	-----	458	233	640	646	384	728	873
31	474	-----	196	248	-----	399	-----	537	-----	374	680	-----
TOTAL	20,926	9,138	7,567	7,424	10,692	10,262	7,612	14,684	20,132	17,904	15,893	25,916
MEAN	675	305	244	239	382	331	254	474	671	578	513	864
MAX	1,270	697	302	253	743	587	364	1,460	879	788	1,010	1,220
MIN	395	142	196	207	203	211	213	235	435	374	265	572
AC-FT	41,510	18,120	15,010	14,730	21,210	20,350	15,100	29,130	39,930	35,510	31,520	51,400
CAL YR 1962	TOTAL 135,043			MEAN 370		MAX 1,490		MIN 82		AC-FT 267,900		
WAT YR 1963	TOTAL 168,150			MEAN 461		MAX 1,460		MIN 132		AC-FT 333,500		

## 2-2790 West Palm Beach Canal at West Palm Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	770	341	374	1,450	203	260	171	1,060	378	407	440	888
2	1,130	411	407	1,020	203	208	168	1,090	353	525	465	828
3	1,610	242	494	896	171	189	168	639	449	577	330	618
4	1,210	187	392	1,050	677	191	168	395	571	520	338	653
5	949	432	316	1,020	1,350	191	170	384	883	485	341	749
6	849	672	394	1,020	1,170	191	170	391	980	475	401	927
7	728	293	302	979	1,100	180	170	381	1,600	424	500	869
8	700	173	305	1,100	1,060	180	168	371	1,790	410	465	1,300
9	739	185	207	1,050	1,040	180	158	360	1,490	405	500	924
10	801	200	173	975	903	170	138	347	1,200	459	391	403
11	975	920	162	963	603	170	165	288	1,080	565	378	516
12	1,020	620	174	969	269	170	178	284	919	385	392	664
13	939	466	194	1,020	206	171	178	286	820	340	392	760
14	871	273	184	924	242	182	176	422	802	293	477	800
15	838	214	185	825	242	182	176	680	694	293	530	930
16	949	275	174	836	201	180	176	747	401	354	500	1,280
17	1,220	297	398	917	244	569	178	573	468	509	412	1,270
18	1,110	297	604	1,010	307	479	178	305	472	490	413	1,490
19	990	297	273	999	302	235	178	244	456	465	518	1,480
20	934	297	168	928	292	168	176	418	460	384	624	1,540
21	909	297	171	893	278	387	176	572	445	360	796	1,760
22	878	283	182	722	628	427	185	546	420	381	865	1,680
23	975	283	194	594	152	229	184	536	406	360	775	1,150
24	762	286	174	485	461	168	182	515	329	607	529	739
25	719	272	173	435	265	180	173	500	513	547	686	801
26	770	272	184	410	270	182	361	485	713	572	1,060	793
27	600	272	182	400	270	182	534	360	668	620	942	743
28	522	262	182	389	270	184	456	329	614	582	1,220	721
29	473	246	182	289	270	185	593	389	374	556	1,180	771
30	407	355	304	248	-----	184	1,050	389	392	520	1,030	719
31	352	-----	1,460	235	-----	182	-----	389	-----	465	951	-----
TOTAL	26,719	9,860	9,268	25,051	13,649	6,936	7,302	14,075	21,150	14,335	18,841	28,736
MEAN	844	318	302	771	440	224	233	473	713	462	603	869
MAX	1,610	920	1,460	1,350	1,350	569	1,050	1,090	1,790	620	1,220	1,780
MIN	352	173	162	235	152	168	138	244	329	293	330	403
AC-FT	53,000	19,560	18,380	49,690	27,070	13,760	14,480	29,110	41,950	28,430	37,370	57,000

CAL YR 1963 TOTAL 176,366 MEAN 483 MAX 1,610 MIN 162 AC-FT 349,800  
WAT YR 1964 TOTAL 176,522 MEAN 537 MAX 1,790 MIN 138 AC-FT 389,800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	693	1,290	671	577	374	207	202	428	104	316	924	428
2	650	811	657	551	413	196	213	449	127	311	904	424
3	714	914	674	561	539	196	246	424	139	308	904	448
4	685	1,125	636	556	482	198	246	410	130	294	884	448
5	523	1,120	850	566	406	200	260	385	130	292	844	432
6	515	1,040	1,110	556	492	222	246	385	130	292	788	2,330
7	494	994	715	520	518	211	246	378	132	302	712	1,040
8	491	939	620	485	482	211	246	374	113	283	672	990
9	333	650	688	480	420	211	224	385	113	148	577	362
10	299	625	713	459	395	220	222	374	351	152	632	174
11	612	631	764	394	357	216	244	374	495	156	784	196
12	1,700	631	745	416	299	180	189	368	410	172	835	268
13	1,320	615	687	430	260	170	166	368	407	355	504	276
14	1,090	604	658	452	250	184	178	339	487	650	568	780
15	1,290	615	560	430	178	185	405	276	476	292	632	284
16	1,170	988	551	430	194	196	462	278	437	120	644	308
17	1,070	567	551	410	207	194	452	235	482	291	628	332
18	984	551	541	385	185	194	426	173	477	634	616	340
19	1,140	494	636	391	174	180	430	176	784	935	648	352
20	1,150	466	696	385	185	180	416	178	433	2,200	676	356
21	865	482	630	406	196	170	426	176	569	3,270	696	360
22	913	1,400	620	395	187	170	416	142	451	3,050	708	360
23	958	1,800	182	413	800	174	395	165	425	2,450	700	376
24	933	1,450	182	445	756	200	374	178	400	1,780	648	456
25	905	1,110	578	413	355	213	388	166	313	1,490	576	647
26	571	1,010	546	385	152	189	428	166	311	1,040	552	1,290
27	582	785	566	364	180	200	428	178	362	760	568	492
28	1,250	759	719	374	194	211	439	140	362	772	600	165
29	1,780	770	663	164	-----	211	439	128	796	556	612	340
30	1,500	796	615	446	-----	211	413	105	353	848	576	648
31	1,420	-----	603	385	-----	222	-----	125	-----	908	512	-----
TOTAL	28,640	25,222	19,607	13,624	9,630	6,122	9,865	8,426	10,256	25,667	21,128	15,202
MEAN	924	841	632	439	344	197	329	272	342	828	682	507
MAX	1,780	1,800	1,110	577	800	222	462	478	3,270	904	924	2,330
MIN	299	466	182	164	152	170	166	105	104	120	504	165
AC-FT	56,810	50,030	38,890	27,020	19,100	12,140	19,570	16,710	20,340	50,910	41,910	30,150

CAL YR 1964 TOTAL 224,144 MEAN 612 MAX 1,800 MIN 138 AC-FT 444,600  
WAT YR 1965 TOTAL 193,389 MEAN 530 MAX 3,270 MIN 104 AC-FT 383,600

Note --No gage-height and/or deflection record July 9 to Sept 30, 1965

2-2805 Hillsboro Canal below HGS-4, near South Bay, Fla

Location --Lat 26°42'00", long 80°42'45", in SW $\frac{1}{4}$  sec 35, T 43 S, R 36 E, 15 ft from south bank, 200 ft downstream from confluence with North New River Canal, 1,000 ft downstream from hurricane gate structure No 4 and pump structure No 2 at Lake Okeechobee, and 2 $\frac{1}{2}$  miles north of South Bay, Palm Beach County

Records available --March 1957 to September 1965

Gage --Digital deflection-meter recorder Digital water-stage recorder on North New River Canal used for gage heights at this station Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Jan 29, 1965, graphic deflection-meter recorder at same site

Average discharge --8 years, -58 8 cfs (-42,570 acre-ft)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 18, 1960	1,180	13 62	Jan 9, 1961	-1,360	a 10 21
1962	Sept 28, 1962	813	14 09	Sept 21, 1963	-1,480	b 10 06
1963	Apr 11, 1963	1,100	c 13 49	Feb 12, 1963	-1,270	d 10 12
1964	May 25, 1964	682	e 13 54	Dec 31, 1963	-1,590	f 9 81
1965	May 30, 1965	950	g 13 26	Oct 15, 1964	-1,430	h 9 78

a Occurred Oct 3, 1960

b Occurred June 8, 1962

c Occurred May 3, 1963

d Occurred

Sept 26, 1963 (estimated)

e Occurred Apr 28, 1964

f Occurred Oct 7, 1963

g Occurred

July 20, 1965

h Occurred Sept 8, 1965

Note --Negative figures indicate flow toward Lake Okeechobee

1957-65 Maximum discharge 1,270 cfs Apr 8, 1958, maximum gage height, 14 09 ft Sept 28, 1962, maximum reverse flow, 1,690 cfs May 29, 1958, minimum gage height, 8 60 ft Sept 23, 1960

Remarks --Records good except for the 1965 water year and those for periods of no deflection record, which are fair Flow regulated by hurricane gates and pump station at Lake Okeechobee Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump structure No 2 Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1961-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-387	-459	0	0	115	337	-152	442	-226	-363	-181	-288
2	-312	-387	89	0	131	264	111	324	-226	-331	150	-268
3	-224	-255	244	0	4	299	242	243	-160	-297	126	-243
4	-131	-401	250	223	-395	297	254	68	-97	-328	165	-210
5	-173	-241	218	381	-242	273	232	278	196	-346	158	-179
6	-160	-188	186	210	56	239	257	288	127	-264	134	-188
7	-105	-200	195	292	85	301	78	311	64	-287	0	-205
8	-162	-217	195	282	-67	341	64	370	0	-368	-165	-149
9	123	-221	141	-337	62	373	79	433	10	-318	-150	23
10	13	-239	232	-375	152	382	63	282	-185	-293	-165	0
11	-255	-176	259	-455	285	463	187	72	-241	-161	-13	0
12	-302	-81	258	-410	260	425	232	488	-171	-40	64	0
13	-293	0	258	-468	267	394	244	373	-197	-39	-64	0
14	-217	-95	400	189	275	132	227	208	-55	-39	-113	209
15	-21	-136	404	42	258	117	231	197	0	-39	-258	295
16	-223	-269	28	-83	274	262	267	192	-60	-39	-352	231
17	66	-340	-24	57	195	293	258	271	-63	-171	-355	214
18	632	-296	65	218	248	216	231	305	0	-288	-347	191
19	423	-215	163	176	262	81	261	306	131	-311	-284	191
20	269	-135	131	209	262	84	271	200	206	-376	-254	215
21	258	-40	0	399	262	136	206	279	167	-284	-269	255
22	183	-137	136	362	295	82	284	287	168	-196	-315	222
23	157	-176	247	121	294	230	307	285	159	-283	-338	252
24	176	-156	176	143	266	324	312	336	201	-233	-247	251
25	156	0	168	0	287	427	351	344	-735	-195	-161	301
26	-53	0	167	0	313	393	455	-142	-335	-360	-457	321
27	-182	-24	85	18	312	352	494	-326	-364	-320	-451	312
28	-306	-40	-55	157	345	362	449	-443	-553	-465	-285	353
29	-329	-40	-121	107	-----	398	450	-259	-605	-295	18	297
30	-233	-64	-188	116	-----	411	475	227	-357	-284	277	303
31	-282	-----	-41	82	-----	356	-----	-121	-----	-273	-128	-----
TOTAL	-1389	-5208	4,306	1,716	4,773	9,036	7,440	6,238	-2692	-7686	-4250	2,706
MEAN	-60.9	-174	139	55.4	170	291	248	201	-89.7	-248	-137	90.2
MAX	632	0	404	399	345	463	494	488	206	0	277	353
MIN	-387	-459	-188	-488	-395	81	-152	-443	-605	-376	-457	-288
AC-FT	-3,750	-10,330	8,540	3,400	9,470	17,420	14,760	12,370	-5,340	-15,240	-8,450	5,370

CAL YR 1960 TOTAL -53,286

MEAN -146

MAX 632

MIN -1,090

AC-FT -105,700

WAT YR 1961 TOTAL 14,480

MEAN 39.7

MAX 632

MIN -605

AC-FT 28,720

Note --Negative figures indicate flow toward Lake Okeechobee

## 2-2805 Hillsboro Canal below HGS-4, near South Bay, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	244	-300	98	112	208	229	53	68	244	-364	-378	-170
2	200	-272	183	160	209	292	-143	95	204	-413	-389	-150
3	192	-244	160	151	193	292	-148	96	125	-285	-285	-230
4	192	-23	184	120	185	262	94	6.0	86	-608	-227	-270
5	168	0	185	56	192	311	21	-450	138	-479	-229	-534
6	223	-111	186	141	215	351	-12	-624	0	-379	140	-564
7	231	-199	177	143	254	314	-236	-567	106	-364	170	-620
8	206	-206	194	173	206	258	-808	-336	191	-352	160	-600
9	207	-164	162	152	215	238	-736	-160	238	-381	160	-628
10	191	30	122	105	203	266	-677	21	173	-453	160	-580
11	191	171	122	183	282	208	-462	138	146	-474	150	-354
12	25	132	107	240	172	193	-376	21	153	-322	140	-283
13	-268	-62	130	123	126	265	229	118	-3.0	-415	120	-242
14	-21	-164	146	-121	148	289	245	179	-294	-622	160	-567
15	104	0	161	-61	147	235	151	165	-567	-584	60	-649
16	0	39	168	-38	160	281	218	186	-794	-461	30	-502
17	-40	101	167	147	107	367	202	235	-728	-351	-3.0	-585
18	-75	162	159	121	138	333	169	200	-734	-274	120	-499
19	239	154	189	158	174	236	162	170	-1,030	-306	150	-500
20	99	154	199	121	190	233	181	170	-952	-126	120	-811
21	128	156	201	-23	152	216	154	217	-928	-322	130	-1,170
22	111	75	191	105	144	264	132	210	-924	-319	160	-854
23	63	0	182	143	129	291	146	217	-738	-272	220	-730
24	0	0	245	105	172	195	144	201	-698	-155	160	-684
25	-24	0	225	128	173	51	144	230	-583	-188	190	-455
26	-24	23	198	101	165	-685	211	213	-518	-219	70	56
27	39	38	166	104	172	-449	-333	219	-394	-22	-260	6.0
28	126	61	204	196	200	-362	-275	224	-301	0	-180	28
29	-457	108	254	208	-----	-236	-158	250	-351	9.0	-420	-38
30	-296	77	241	197	-----	-159	21	269	-346	-326	-650	120
31	-303	-----	180	195	-----	-257	-----	249	-----	-283	-400	-----
TOTAL	1,675	-264	5,486	3,635	5,071	4,322	-1637	2,210.0	-9079.0	-10410.0	-654.0	-13059.0
MEAN	54.0	-8.8	177	117	181	139	-54.6	71.3	-303	-336	-21.1	-435
MAX	248	171	254	240	282	367	245	269	244	9.0	220	120
MIN	-457	-300	98	-121	126	-685	-808	-624	-1,030	-622	-650	-1,170
AC-FT	3,320	-524	10,880	7,210	10,060	8,570	-3,250	4,380	-18,010	-20,650	-1,300	-25,900
CAL YR 1961	TOTAL 2,168			MEAN 66.2	MAX 494	MIN -1,605	AC-FT 47,940					
WAT YR 1962	TOTAL 12,704			MEAN -34.8	MAX 367	MIN -1,170	AC-FT -25,210					

Note --Negative figures indicate flow toward Lake Okeechobee No deflection record Aug 6 to Sept 4

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	-193	-124	-114	-114	-106	175	419	-136	-269	24	165
2	-274	-40	-124	-82	-64	-24	175	201	-197	-233	44	40
3	-394	153	-101	41	-64	-40	197	-205	-254	-116	155	-80
4	-175	151	-39	-60	-331	-65	233	-499	-157	-80	0	-64
5	-189	135	-39	-65	-275	-64	294	-458	-229	-335	-114	-232
6	-75	150	12	-65	-246	-79	333	-199	-344	-251	81	-111
7	-71	133	218	-125	-163	-128	311	-154	-315	-150	113	-250
8	21	78	204	-259	-163	-169	264	-160	-300	-80	-105	-211
9	166	-62	165	-14	-163	-24	262	-190	-293	-24	108	-179
10	166	-111	165	140	-152	-63	293	57	-279	161	176	-137
11	-23	-102	166	-16	-129	-62	301	163	-227	211	231	-112
12	-212	-102	221	-130	-511	136	350	114	-178	255	262	0
13	-146	-23	306	-163	-376	361	348	41	-170	246	238	37
14	-63	0	274	-159	-277	312	333	-25	-149	213	246	24
15	-259	0	213	-138	-296	231	347	-11	-79	214	269	0
16	-242	104	174	-137	-330	252	471	40	-112	214	279	103
17	-227	152	183	-137	-255	275	438	167	-100	214	214	63
18	-125	121	173	-125	0	308	449	211	-137	255	191	-102
19	-192	140	114	-64	-269	324	418	195	-267	266	-31	-304
20	-169	157	6.0	-103	-251	314	431	194	-168	278	-482	-414
21	-146	205	105	-223	-217	315	406	163	-56	269	-420	-333
22	-107	-124	-82	-199	-217	283	390	134	0	254	-242	-341
23	-153	-128	-65	-139	-187	295	421	-66	-24	277	-236	-496
24	-191	-24	-41	-146	-178	279	412	-161	-41	332	-239	-211
25	-196	-24	-41	-125	-162	271	395	-42	-99	330	-107	-543
26	-254	-24	-106	-196	-391	294	422	-108	-184	396	-97	-536
27	-215	0	-160	-239	-518	260	428	-17	-192	447	-177	-535
28	-198	-39	-173	-295	-196	223	386	-165	-338	415	-129	-469
29	-182	-24	-173	-279	-----	261	411	-372	-278	369	128	-279
30	-183	-111	-155	-261	-----	190	467	-598	-138	290	150	-226
31	-194	-----	-114	-244	-----	174	-----	-438	-----	179	165	-----
TOTAL	-4513	548	1,162.0	-4117	-6495	4,534	10,526	-1769	-5441	4,547	794	-5813
MEAN	-146	18.3	37.5	-133	-232	146	351	-57.1	-181	147	25.6	-194
MAX	160	205	306	140	0	361	462	419	0	447	279	165
MIN	-398	-193	-169	-295	-518	-175	-598	-344	-335	-482	-543	-543
AC-FT	-8,950	1,090	2,300	-8,170	-12,880	8,990	20,880	-3,510	-10,790	9,020	1,570	-11,530
CAL YR 1962	TOTAL -22,404			MEAN -61.4	MAX 367	MIN -1,170	AC-FT -44,450					
WAT YR 1963	TOTAL -6,037			MEAN -16.5	MAX 462	MIN -598	AC-FT -11,980					

Note --Negative figures indicate flow toward Lake Okeechobee

## 2-2805 Hillsboro Canal below HGS-4, near South Bay, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

GAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-202	267	172	-1,160	56	133	-124	4.0	415	-198	-23	-177
2	-191	345	163	-703	85	125	-39	-36	383	-186	0	-286
3	-399	194	154	-456	3.0	-24	-30	133	365	-152	109	-332
4	-141	249	163	-341	-427	-103	0	21	161	-192	112	-320
5	-172	71	138	-244	-288	-24	-24	-109	-365	-112	128	-255
6	-155	-62	147	-189	133	23	61	0	-268	-82	169	-63
7	-142	133	39	-285	303	23	79	189	-293	-164	198	151
8	-114	189	62	-247	56	-24	23	483	-532	-224	225	10
9	14	72	147	-352	110	-24	122	531	-418	-242	209	-219
10	100	-423	154	-268	40	-78	162	530	-250	-44	161	-134
11	63	-711	130	-239	-112	-102	128	545	-370	126	37	-21
12	40	-365	107	-422	-64	-151	80	601	-286	34	-129	-36
13	63	-234	123	33	-63	-197	104	563	-260	-103	-209	-59
14	102	-137	107	79	-128	-135	122	335	-246	-240	-244	-129
15	110	-147	124	-101	-101	-158	165	-42	-203	-39	-216	-134
16	-175	-152	134	-295	-148	-238	165	-171	-182	-198	-112	-161
17	-137	-135	-248	-254	-172	-291	139	-182	-151	-408	-303	-184
18	20	-150	-209	-410	-273	-247	202	203	166	-164	-158	-160
19	103	-110	-1.0	-285	-729	-337	171	490	383	-174	-159	-160
20	63	-63	21	-253	-1.07	-289	195	435	212	-248	-214	-92
21	63	-39	40	-246	-114	-194	248	390	171	-200	-152	0
22	101	59	40	-232	-221	219	377	371	251	-160	108	107
23	119	78	-110	-217	-235	63	414	363	11	-250	-143	23
24	177	62	64	-134	-126	-157	333	379	-154	-16	-320	-133
25	248	39	151	-29	-132	-187	320	523	15	-72	-253	-260
26	202	79	78	-156	-146	-200	147	501	81	-100	-558	-89
27	180	110	63	-148	-130	-238	91	376	0	-204	-643	59
28	285	101	63	-149	39	-232	-130	305	-39	17	-651	-136
29	369	138	133	-149	126	-227	-397	296	-154	-24	-226	-163
30	365	152	-192	-149	-----	-209	9.0	303	-223	-24	-229	-172
31	252	-----	-1,110	-118	-----	-160	-----	307	-----	-66	-265	-----
TOTAL	1,217	-499	847.0	-8219	-2305.0	-3640	3,133.0	8,637.0	-1800	-4199	-3751	-3525
MEAN	39.3	-16.6	27.3	-265	-79.5	-117	104	279	-60	-135	-121	-118
MAX	369	345	172	79	303	219	414	601	415	126	225	151
MIN	-399	-711	-1,110	-1,160	-427	-337	-397	-182	-532	-498	-651	-332
AC-FT	2,410	-990	1,686	-16,300	-4,570	-7,220	6,210	17,130	-3,570	-8,330	-7,440	-6,990
CAL YR 1963	TOTAL	-1,669	MEAN	-4.57	MAX	462	MIN	-1,110	AC-FT	-3,320		
WAT YR 1964	TOTAL	-14,104	MEAN	-38.5	MAX	601	MIN	-1,160	AC-FT	-27,980		

Note --Negative figures indicate flow toward Lake Okeechobee

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

LAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-224	-144	-33	-128	146	-190	-296	401	578	-180	60	-293
2	-271	-264	-41	-129	47	-191	67	375	563	428	428	-263
3	-363	-194	-29	-128	-190	-351	196	405	544	131	450	-191
4	-367	-306	-199	-189	73	-442	156	410	573	146	396	-131
5	-233	-196	-644	-214	161	-239	197	435	569	146	714	-208
6	-224	-201	-481	-183	166	-87	250	472	529	212	628	-706
7	-126	-148	-305	-167	-325	0	257	451	527	209	193	-510
8	-149	-105	-142	-190	-234	-85	265	476	473	199	125	-437
9	-42	-192	-387	-223	211	-84	316	468	-120	214	-98	-582
10	0	-175	-319	-220	151	0	327	483	-730	243	-374	-222
11	-138	-161	-203	-188	103	38	256	501	-364	-108	-373	-129
12	-435	-262	-185	-154	-190	45	336	611	-240	150	-383	-74
13	-506	-243	-171	-154	-294	30	411	545	-329	336	-18	-38
14	-598	-208	-265	-114	-291	-22	423	87	-784	9.0	91	-39
15	-1,370	-209	-197	-124	-125	-153	404	161	-882	-383	86	-39
16	-1,090	-200	-183	-105	-294	-65	413	182	-732	-349	208	-244
17	-769	-218	-176	2.0	-292	40	420	403	-745	-235	-138	-231
18	-496	-183	-218	298	-173	39	395	524	-726	-369	-222	-173
19	-324	-171	-190	364	-164	38	426	510	-786	-645	-136	-155
20	-305	-171	-158	201	-86	206	467	500	-292	-797	-212	-183
21	-272	-162	3.0	65	0	200	460	526	-399	-594	-201	-125
22	-216	-90	-34	24	-86	160	406	515	-426	-322	-193	-109
23	-217	-158	-137	40	-300	126	308	492	-268	-310	-153	-212
24	-154	-160	-151	64	-268	141	374	499	-244	-722	-136	79
25	-126	-232	-134	64	-129	141	341	511	-492	-576	-136	84
26	-112	-170	-103	63	-137	235	350	515	-113	-376	-130	-391
27	-168	-205	-147	86	-136	273	365	577	107	-20	-13	-212
28	-645	-205	-312	86	-137	236	379	640	-32	72	9.0	-178
29	-772	-179	-138	120	-----	211	447	683	-180	-216	-225	-285
30	-598	-172	-127	121	-----	210	448	683	-176	-493	143	-399
31	-356	-----	-118	146	-----	5.0	-----	687	-----	-251	-74	-----
TOTAL	-11461	-5864	-5,924.0	-906.0	-2,793	465.0	9,564	14,728	-4597	-4994.0	316.0	-6596
MEAN	-370	-185	-291	-29.2	-99.8	15.3	319	475	-153	-161	10.2	-220
MAX	0	-90	3.0	364	211	273	467	687	578	336	714	84
MIN	-1,370	-324	-644	-223	-325	-442	-296	67	-882	-797	-383	-706
AC-FT	-22,730	-11,630	-11,750	-1,800	-5,540	922	18,970	29,210	-9,120	-9,910	627	-13,080
CAL YR 1964	TOTAL	-38,918	MEAN	-106	MAX	601	MIN	-1,370	AC-FT	-77,190		
WAT YR 1965	TOTAL	-18,062	MEAN	-49.5	MAX	714	MIN	-1,370	AC-FT	-35,830		

Note --Negative figures indicate flow toward Lake Okeechobee

## 2-2812 Hillsboro Canal at S-6, near Shawano, Fla

Location --Lat 26°28'25", long 80°26'55", in NE<sup>1</sup> sec 4 T 46 S, R 39 E, 20 ft from southwest bank, 500 ft upstream from pump structure 6 and 7 miles southeast of Shawano, Palm Beach County

Records available --October 1957 to September 1965

Gage --Water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Oct 1, 1959, at datum 0 44 ft lower

Average discharge --8 years, 175 cfs (126,700 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 27, 1961	1,650	a 13 78	Many days	0	b 9 15
1962	Sept 22, 1962	1,530	c 13 91		0	d 9 36
1963	May 4, 1963	1,640	e 13 40		0	f 9 90
1964	Jan 1, 1964	2,090	g 13 73		0	h 9 66
1965	Oct 15, 1964	2,810	i 13 62		0	j 9 13

a Occurred Jan 9, 1961 b Occurred May 28, 1961 c Occurred Sept 21, 1962 d Occurred June 8, 1962  
e Occurred Feb 17, 1963 f Occurred Sept 26, 1963 g Occurred Dec 31, 1963  
h Occurred Aug 31, 1964 i Occurred June 15, 1965 j Occurred Sept 8, 1965

1957-65 Maximum daily discharge 2,810 cfs Oct 15, 1964, maximum gage height 14 74 ft Dec 25, 1957, no flow for many days in each year minimum gage height, 7 35 ft May 14, 1959

Remarks --Records good Flow regulated by pumpage at S-6, by the hurricane gates and pump station at Lake Okeechobee, and by drainage and irrigation pumps upstream Discharge computed from continuous velocity record obtained from recording deflection meter

Cooperation --Pump records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTUBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	1,540	792	0	0	0	0	0	0	0	0	0	0
2	1,350	321	94	0	0	0	0	0	23	0	0	0
3	1,210	0	0	0	0	0	0	0	0	0	0	0
4	1,030	114	0	34	0	0	0	0	0	0	68	0
5	912	0	0	0	0	0	0	108	0	0	0	0
6	886	0	0	60	33	0	0	0	0	171	0	0
7	960	0	0	0	0	0	77	0	0	38	0	0
8	832	0	0	0	0	44	0	0	0	0	0	70
9	1,280	0	0	1,120	0	55	0	0	176	0	0	0
10	1,190	0	0	309	0	36	0	0	0	0	0	0
11	903	0	0	0	0	0	0	0	0	223	84	0
12	816	0	0	174	0	0	0	46	0	0	0	0
13	936	0	0	965	0	0	0	0	0	0	0	0
14	1,120	0	0	522	0	0	82	0	0	0	0	0
15	936	0	0	0	0	0	0	0	0	0	0	0
16	832	0	72	0	0	0	0	0	113	0	410	0
17	794	0	0	0	77	0	0	0	0	0	417	0
18	1,250	0	0	0	0	0	0	0	0	0	780	0
19	960	0	0	0	0	0	0	104	0	0	55	0
20	957	0	0	0	0	0	0	0	0	196	0	0
21	556	0	0	0	0	0	0	0	0	418	0	0
22	320	0	0	0	0	0	0	0	0	0	66	69
23	355	89	0	0	0	0	0	0	87	0	140	0
24	187	0	0	0	7d	70	0	0	0	0	80	0
25	167	0	0	0	0	0	0	66	0	0	0	0
26	101	0	0	0	0	0	0	860	0	0	0	0
27	0	0	0	80	0	0	0	1,650	144	0	1,070	0
28	0	0	0	0	0	0	27	1,270	75	87	1,090	0
29	0	0	0	0	0	0	0	1,470	0	0	1,090	0
30	0	0	81	0	0	0	0	1,240	0	0	715	0
31	107	-----	0	0	-----	0	-----	98	-----	0	101	-----
TOTAL	22,985	1,316	247	3,324	188	208	186	6,917	618	1,133	6,166	139
MEAN	725	43.9	7.97	107	6.1	6.71	6.20	223	20.6	36.5	199	4.63
MAX	1,540	792	94	1,120	7d	70	82	1,650	176	418	1,090	70
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	44,600	2,610	490	6,590	373	413	369	13,710	1,730	2,250	12,230	276

CAL YR 1960 TOTAL 42,793.00 MEAN 254 MAX 2,680 MIN 0 AC-FT 184,100  
WAT YR 1961 TOTAL 42,922.00 MEAN 118 MAX 1,950 MIN 0 AC-FT 85,130

Note --No deflection record Jan 5 to Feb 4

## 2-2812 Hillsboro Canal at S-6, near Shawano, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	40	0	0	0	0	0	0	0	0	245
2	0	0	0	0	0	83	0	0	0	0	176	307
3	0	0	0	0	0	0	0	0	0	201	0	363
4	0	0	0	0	0	0	0	0	0	0	0	438
5	0	0	0	0	0	0	0	0	0	0	0	248
6	74	0	0	0	0	0	0	0	0	52	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	94	0	0	0
9	0	0	0	0	40	59	0	0	0	0	0	0
10	0	60	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	43	0	0	0	101
12	0	0	0	96	0	0	0	0	0	345	0	0
13	510	0	0	0	0	0	70	0	0	313	0	292
14	459	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	376	0
16	0	0	0	0	56	0	0	0	0	153	493	0
17	0	35	0	0	0	0	0	0	0	0	161	82
18	716	0	0	0	0	0	0	0	0	0	0	0
19	383	0	0	76	0	0	0	0	0	0	0	216
20	0	0	0	0	0	0	0	0	0	227	329	504
21	0	0	0	0	0	0	0	0	0	0	181	1,380
22	0	0	41	0	0	0	0	0	437	0	135	1,530
23	0	0	0	0	0	76	0	0	396	0	258	1,200
24	0	0	0	0	0	0	0	0	0	0	0	957
25	0	0	0	0	0	0	0	105	0	0	0	831
26	0	0	0	0	0	0	0	0	0	0	356	815
27	61	0	0	0	0	0	82	0	0	82	718	843
28	0	0	0	0	0	0	0	0	0	0	744	841
29	0	0	49	0	-----	0	0	0	0	0	760	867
30	403	0	46	0	-----	72	0	0	0	238	558	886
31	0	-----	0	0	-----	0	-----	0	-----	148	236	-----
TOTAL	2,606	95	178	172	96	290	152	148	927	1,759	5,481	12,941
MEAN	84.1	3.17	5.74	5.55	3.43	9.35	5.07	4.77	30.9	56.7	177	431
MAX	716	60	49	96	56	83	82	105	437	345	760	1,530
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	5,170	188	353	341	190	575	301	294	1,840	3,490	10,870	25,670

CAL YR 1961 TOTAL 21,753.00 MEAN 59.6 MAX 1,650 MIN 0 AC-FT 43,150  
 WAT YR 1962 TOTAL 24,845.00 MEAN 66.1 MAX 1,530 MIN 0 AC-FT 49,280

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	936	0	0	0	77	0	0	0	661	0	0	0
2	1,040	0	0	0	0	0	0	0	222	0	0	0
3	1,030	0	0	0	0	0	0	1,130	193	0	0	0
4	923	0	0	98	233	0	0	1,640	478	0	0	0
5	935	0	0	0	374	0	0	660	675	53	0	0
6	652	0	35	0	0	0	0	164	112	0	0	0
7	914	0	0	0	0	0	0	0	215	0	0	0
8	307	0	0	0	0	73	0	0	0	0	0	0
9	385	60	0	0	0	0	0	0	0	0	0	0
10	376	0	0	0	0	0	0	0	0	0	0	0
11	199	0	0	0	0	0	0	0	0	0	0	0
12	114	0	0	0	415	0	134	0	0	10	0	0
13	0	0	0	0	322	0	0	0	0	0	0	0
14	0	0	111	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	244	0	0	0	0	0	0	0
17	0	0	0	0	505	0	0	0	101	0	0	0
18	0	0	0	61	113	0	0	0	0	0	0	0
19	0	0	0	0	404	0	0	0	0	0	81	0
20	0	0	0	0	356	0	0	0	0	0	732	314
21	0	63	55	0	0	0	0	0	17	0	950	309
22	0	0	0	0	0	45	0	0	0	0	962	367
23	135	0	0	0	0	0	0	0	0	0	601	917
24	472	0	0	0	0	0	0	58	0	0	0	1,170
25	0	0	0	68	0	0	0	0	0	0	0	1,610
26	0	0	0	0	0	0	56	0	0	48	0	1,200
27	0	0	0	0	0	0	0	319	362	0	0	1,100
28	0	0	0	0	0	0	0	139	450	0	116	776
29	0	0	0	0	0	109	0	189	550	0	0	287
30	0	62	0	0	-----	0	-----	391	326	0	0	0
31	0	-----	0	0	-----	0	-----	501	-----	0	0	-----
TOTAL	8,018	205	201	227	3,043	227	190	5,191	4,372	101	3,442	8,050
MEAN	259	6.83	6.48	7.32	109	7.32	6.33	167	146	3.26	111	268
MAX	1,040	80	111	98	505	109	134	1,640	675	53	962	1,610
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	15,900	407	399	450	6,040	450	377	10,300	8,670	200	6,830	15,970

CAL YR 1962 TOTAL 30,390.00 MEAN 83.3 MAX 1,530 MIN 0 AC-FT 60,280  
 WAT YR 1963 TOTAL 33,267.00 MEAN 91.1 MAX 1,640 MIN 0 AC-FT 65,980

Note --Negative figures indicate flow towards Lake Okeechobee



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2812 Hillsboro Canal at S-6 near Shawano, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	2,090	0	0	14	458	0	0	0	0
2	279	0	0	1,790	0	0	0	482	0	106	0	0
3	718	0	0	839	0	0	0	144	0	0	0	447
4	244	0	0	383	608	0	0	0	0	0	0	226
5	248	0	0	356	1,110	38	0	0	745	0	0	148
6	160	0	0	293	1,180	48	15	0	1,330	288	0	251
7	0	0	0	336	593	0	0	0	1,480	415	47	0
8	0	46	0	382	162	0	0	0	1,790	544	0	410
9	0	0	0	0	0	0	18	0	1,390	799	0	497
10	0	0	0	0	0	0	0	0	563	887	0	109
11	0	723	0	0	0	0	0	0	513	606	162	0
12	0	299	0	480	0	0	0	0	0	225	0	0
13	526	81	498	0	0	208	0	0	0	45	0	0
14	0	0	0	173	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	55	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	576	195
17	0	0	0	322	0	563	0	0	0	535	575	208
18	0	0	478	0	103	0	0	0	0	465	527	145
19	0	0	0	0	0	0	0	0	0	0	0	204
20	0	0	0	217	0	86	25	0	0	0	430	0
21	0	0	0	162	0	366	0	0	0	0	406	0
22	0	0	0	0	0	402	0	12	0	0	483	0
23	426	0	0	0	0	0	0	0	0	810	545	0
24	0	0	0	65	41	0	29	0	80	626	543	0
25	65	0	0	0	0	0	0	0	263	448	71	349
26	0	0	0	0	0	0	0	55	561	1,330	401	0
27	0	0	0	0	0	0	0	0	0	1,810	0	0
28	41	0	0	0	14	0	422	0	0	219	1,650	130
29	120	35	0	0	0	0	689	0	0	1,390	0	0
30	0	0	0	0	0	0	815	0	0	0	684	0
31	0	0	1,720	0	0	0	0	0	0	0	701	0
TOTAL	2,301	1,629	2,279	8,386	3,811	1,711	2,027	1,171	8,209	7,579	11,930	3,720
MEAN	74.2	54.3	73.5	271	131	55.2	67.6	37.8	274	244	385	124
MAX	718	723	1,720	2,090	1,180	563	815	482	1,790	887	1,815	497
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	4,560	3,230	4,520	16,630	7,560	3,390	4,020	2,320	16,280	15,030	23,660	7,380
CAL YR	1963	TOTAL	31,092.00	MEAN	85.1	MAX	1,720	MIN	0	AC-FT	61,590	
1964:	TOTAL	54,753.00		MEAN	150	MAX	2,090	MIN	0	AC-FT	108,600	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	112	481	0	0	0	0	0	0	0	0	369	551
2	46	344	0	0	0	0	150	0	0	0	1,080	397
3	0	298	0	0	0	565	0	0	0	0	1,620	591
4	0	257	19	80	0	855	0	0	70	0	1,610	561
5	50	177	732	0	0	178	0	0	0	0	1,330	0
6	0	209	1,100	0	0	0	0	0	0	0	925	1,380
7	0	0	621	0	1,160	0	0	0	0	0	0	1,250
8	0	0	186	0	797	0	0	0	0	0	0	1,060
9	0	0	404	0	111	0	87	0	66	71	0	1,190
10	0	0	276	0	274	0	0	0	648	0	436	941
11	65	0	38	0	0	0	0	0	439	0	530	290
12	2,020	0	0	0	0	0	0	0	748	595	536	0
13	1,100	0	0	0	0	0	0	0	764	492	492	0
14	1,590	0	103	0	0	0	0	0	1,080	235	0	0
15	2,810	0	0	0	0	0	0	0	1,110	525	0	0
16	2,560	0	0	0	0	0	0	0	1,210	557	386	0
17	1,890	0	0	71	0	0	0	0	995	416	0	494
18	1,470	0	0	0	0	0	0	0	951	404	0	0
19	724	0	0	0	103	0	0	0	1,430	564	0	0
20	386	0	0	0	0	0	0	0	1,490	1,160	0	177
21	394	0	0	0	0	0	0	84	149	1,500	0	0
22	106	169	0	0	0	0	54	0	326	1,090	0	0
23	238	0	0	0	372	0	38	0	612	550	0	92
24	0	0	0	0	723	0	0	0	332	955	0	483
25	0	163	0	0	247	0	0	0	507	645	0	0
26	0	0	0	0	0	107	0	0	389	455	0	813
27	0	0	0	0	0	0	0	0	358	225	535	1,010
28	1,230	0	199	0	0	0	0	45	0	262	442	57
29	2,080	0	0	62	-----	0	0	0	325	702	110	110
30	1,120	0	0	0	-----	0	117	0	500	420	172	172
31	442	-----	0	0	-----	0	-----	0	-----	512	388	-----
TOTAL	20,633	2,098	3,678	213	3,787	1,705	446	129	13,674	12,038	11,801	11,619
MEAN	659	69.9	119	6.87	135	55.0	14.9	4.16	456	388	381	387
MAX	2,810	481	1,100	80	1,160	855	150	84	1,490	1,500	1,620	1,380
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	40,530	4,160	7,300	422	7,510	3,380	885	256	27,120	23,880	23,410	23,050
CAL YR	1964	TOTAL	74,753.00	MEAN	206	MAX	2,810	MIN	0	AC-FT	148,300	
WAT YR	1965	TOTAL	81,621.00	MEAN	224	MAX	2,810	MIN	0	AC-FT	161,900	

2-2813 Hillsboro Canal at S-39, near Deerfield Beach, Fla

Location --Lat 26°21'20", long 80°17'58", in SE<sup>1</sup> sec 24, T 47 S., R 40 E., Palm Beach County, 20 ft from right bank, 580 ft upstream from control structure 39, 6 2 miles upstream from U S Highway 441, and 12 miles west of Deerfield Beach, Broward County

Records available --December 1952 to March 1957 (gage heights only), April 1957 to September 1965

Gage --Water-stage recorder and deflection-meter recorder. Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark). Prior to Dec 6, 1955, at same site at datum 0 14 ft lower. Nov 2, 1962, to Mar 19, 1964, water-stage recorder 580 ft downstream at same datum

Average discharge --8 years, 114 cfs (82,530 acre-ft per year)

Extremes --Maximum and minimum daily discharges and daily gage heights for the water years 1957-65 are contained in the following table

Water year	Maximum daily				Minimum daily			
	Date	Discharge (cfs)	Date	Gage height (feet)	Date	Discharge (cfs)	Date	Gage height (feet)
1957+	(a)	690	Aug 30, 1957	14 70	Many days	0	Jan 20, 1957	8 77
1958	Jan 28, 1958	772	Jan 3, 4, 1958	15 11	do	0	Mar 6, 1958	10 28
1959	(b)	788	June 28, 1959	15 57	do	0	Nov 20, 1958	11 19
1960	Oct 1-3, 1959	760	Sept 18, 1960	17 22	do	0	Apr 11, 1960	11 17
1961	Nov 5, 1960	506	Oct 17, 18, 1960	18 02	do	0	May 24, 1961	10 54
1962	Oct 24, 1961	231	Sept 25, 1962	16 83	do	0	June 1, 1962	9 70
1963	Mar 20, 1963	235	Oct 6, 1962	16 84	do	0	Aug 17, 18, 1963	12 87
1964	Mar 3, 1964	180	Sept 18-20, 1964	c 16 50	do	0	June 2, 1964	c 14 23
1965	Apr 10, 1965	225	(d)	17 37	do	0	June 6, 1965	10 94

† Period April to September

a Sept 12-14, 17-22, 1957

b July 15, Aug 1, 2, 7, 8, 1959

c Estimated

d Nov 1, 2, Dec 7, 8, 1964

1953-65 Maximum daily gage height, 18 02 ft Oct 17, 18, 1960, minimum daily, 5 90 ft (estimated) Apr 25, 1956

1957-65 Maximum daily discharge, 788 cfs July 15, Aug 1, 2, 7, 8, 1959, no flow for many days each year

Remarks --Records fair except for discharges below 80 cfs, which are poor. Flow is regulated by operation of structure 39. Records of chemical analyses and water temperatures for the water years 1962, 1964, and 1965 are published in reports of the Geological Survey

Cooperation --Gage height and S-39 gate operation records furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, APRIL 1957 TO SEPTEMBER 1957

DAY	OCT	NOV.	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT
1							161	0	188	84	0	556
2							138	0	187	86	0	515
3							113	0	127	86	0	515
4							87	0	0	85	0	530
5							80	0	0	86	0	594
6							92	0	0	88	0	618
7							98	0	0	86	0	618
8							149	162	0	84	0	618
9							181	400	0	86	0	621
10							183	398	12	88	0	618
11							67	396	95	87	0	649
12							0	392	92	88	0	690
13							0	388	94	86	0	690
14							0	386	94	88	0	690
15							0	421	92	86	0	679
16							0	191	92	89	0	679
17							0	196	90	90	0	690
18							0	196	92	85	0	690
19							0	196	94	86	0	690
20							0	196	94	86	0	690
21							0	198	96	81	0	690
22							0	200	98	82	0	690
23							0	202	94	79	0	686
24							0	203	94	84	0	686
25							0	202	94	89	0	668
26							0	200	94	44	0	644
27							0	200	92	0	0	630
28							0	199	89	0	0	626
29							0	198	84	0	0	623
30							0	196	80	0	0	620
31							---	192	---	0	414	---
TOTAL							1,349	6,108	2,358	2,189	414	19,203
MEAN							45 0	197	78 6	70 6	13 4	640
MAX							183	421	188	90	414	690
MIN							0	0	0	0	0	515
AC-FT							2,680	12,120	4,680	4,340	821	38,090

## 2-2813 Hillsboro Canal at S-39, near Deerfield Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1957 TO SEPTEMBER 1958

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	612	168	51	0	768	604	314	378	390	182	185	185
2	616	182	86	0	764	580	326	365	394	182	186	188
3	606	178	119	0	744	572	348	350	396	185	185	188
4	537	177	122	0	740	548	393	342	398	197	184	186
5	490	179	169	0	740	512	421	190	440	201	185	186
6	495	192	223	0	732	500	421	0	490	195	185	188
7	485	207	208	43	720	426	416	73	475	186	182	188
8	452	189	197	116	724	163	414	182	468	188	179	190
9	392	178	176	118	724	75	407	182	465	185	180	190
10	320	178	172	116	712	0	407	173	462	185	181	189
11	330	179	191	114	704	0	396	163	458	186	180	192
12	341	176	194	112	700	0	419	159	452	187	181	194
13	342	181	196	105	700	0	426	170	445	186	183	191
14	338	178	181	264	700	89	421	159	440	184	185	191
15	322	178	175	412	676	157	275	170	440	187	187	195
16	320	181	172	412	668	160	149	185	435	191	189	198
17	322	179	169	416	672	160	452	188	428	191	190	202
18	322	179	141	416	672	170	450	188	420	191	190	203
19	322	175	124	416	668	88	448	187	408	191	190	205
20	307	172	130	410	660	82	440	188	402	191	186	199
21	307	157	136	292	652	196	432	190	398	193	185	186
22	252	87	138	0	648	189	420	190	390	193	185	183
23	103	78	78	228	640	181	418	190	402	191	187	182
24	105	90	0	459	632	167	428	155	410	191	187	179
25	103	131	0	533	632	179	428	180	412	191	188	183
26	94	170	0	637	616	85	418	254	412	190	189	183
27	97	155	0	738	608	204	410	368	418	190	187	180
28	119	87	0	772	617	309	400	360	258	191	187	187
29	144	46	0	764	608	280	395	366	175	189	187	180
30	145	46	0	764	-----	272	388	380	179	187	188	172
31	148	-----	0	768	-----	292	-----	390	-----	186	-----	-----
TOTAL	9,888	4,651	3,548	9,425	19,233	7,240	11,880	7,015	12,162	5,863	5,749	5,684
MEAN	319	155	114	304	687	234	396	224	405	193	185	189
MAX	616	207	223	772	768	604	452	390	490	201	190	209
MIN	94	44	0	0	608	0	149	0	175	182	179	172
AC-FT	19,610	9,230	7,040	18,690	38,150	14,360	23,560	13,910	24,120	11,630	11,400	11,270

CAL YR 1957: TOTAL - MEAN - MAX - MIN - AC-FT -  
WAT YR 1958: TOTAL 102,338 MEAN 280 MAX 772 MIN 0 AC-FT 203,000

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1958 TO SEPTEMBER 1959

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	176	82	0	0	87	80	0	108	116	624	788	760
2	179	0	0	0	88	86	0	112	119	618	788	752
3	181	0	68	0	94	86	0	116	121	618	784	740
4	180	38	175	0	104	88	0	117	118	618	780	724
5	176	197	168	0	93	81	0	118	113	615	784	744
6	181	187	165	0	28	72	0	119	113	612	784	760
7	223	180	159	0	0	65	0	122	113	603	788	772
8	191	175	155	0	0	61	0	119	112	615	788	772
9	187	168	84	38	0	66	91	115	113	627	784	768
10	185	167	29	61	39	72	126	119	114	630	784	768
11	185	173	0	63	60	68	118	118	114	627	784	760
12	184	172	0	123	61	67	113	116	109	630	784	756
13	183	174	120	186	75	72	111	112	109	633	780	764
14	186	170	188	165	155	73	110	115	108	747	780	764
15	186	171	66	153	183	70	112	111	81	788	776	768
16	186	172	0	117	122	69	108	109	0	784	756	768
17	181	169	0	82	81	67	105	105	0	701	756	768
18	173	166	274	72	65	102	110	110	0	639	772	772
19	160	164	287	71	86	74	104	121	0	636	780	772
20	196	166	207	71	85	26	104	124	0	676	780	744
21	199	168	200	78	76	0	104	122	0	714	780	708
22	197	174	195	83	80	0	105	116	0	654	780	600
23	195	168	187	74	84	0	110	111	0	624	776	606
24	192	57	153	75	86	0	104	113	0	686	776	621
25	190	0	126	81	88	0	107	113	0	721	776	728
26	187	0	51	82	90	0	115	118	0	724	776	768
27	182	0	0	94	91	0	121	120	0	721	776	768
28	179	0	0	86	91	0	124	118	0	721	772	760
29	178	0	0	112	-----	0	112	114	288	721	772	760
30	173	0	27	100	-----	0	106	113	627	721	764	756
31	152	-----	44	88	-----	0	-----	113	-----	764	760	-----
TOTAL	5,793	3,458	3,128	2,155	2,209	1,408	2,416	3,575	2,588	20,812	24,108	22,271
MEAN	184	115	101	69.5	78.9	45.4	80.5	115	86.3	671	778	742
MAX	223	197	287	186	183	88	126	124	627	788	788	772
MIN	152	0	0	0	0	0	0	103	0	603	756	600
AC-FT	11,310	6,860	6,200	4,270	4,380	2,790	4,790	7,090	5,130	41,280	47,820	44,170

CAL YR 1958: TOTAL 96,540 MEAN 264 MAX 772 MIN 0 AC-FT 191,500  
WAT YR 1959: TOTAL 95,831 MEAN 257 MAX 788 MIN 0 AC-FT 186,100

## 2-2813 Hillsboro Canal at S-39, near Deerfield Beach, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	760	115	108	98	82	44	109	0	0	0	0	0
2	760	114	104	94	84	45	95	0	0	0	0	0
3	760	116	104	93	80	48	96	0	0	0	0	0
4	752	117	103	92	74	77	96	0	0	0	0	0
5	752	112	102	91	50	99	92	0	0	0	0	0
6	704	108	101	92	42	99	95	0	0	0	0	0
7	716	100	100	92	39	98	148	0	0	0	0	0
8	732	112	102	92	80	94	218	0	0	44	0	0
9	720	116	100	93	125	94	228	0	0	106	0	0
10	700	105	98	94	125	96	219	30	0	97	0	0
11	692	105	98	94	125	126	211	54	0	42	0	0
12	688	104	97	92	166	131	206	53	0	0	0	0
13	668	105	96	94	173	122	209	83	0	0	0	0
14	664	106	96	95	167	123	208	102	0	0	0	0
15	672	105	96	96	177	134	212	98	0	0	0	0
16	664	103	96	96	177	136	206	96	0	0	0	0
17	359	102	96	94	175	99	204	94	0	0	0	0
18	78	98	98	94	170	0	208	91	0	0	0	0
19	0	118	98	92	142	76	187	88	0	0	0	0
20	0	124	98	94	135	141	0	88	0	0	0	0
21	0	116	92	98	134	131	0	89	0	0	0	0
22	0	118	86	173	129	126	0	92	0	0	0	0
23	0	110	82	217	119	125	0	96	0	0	0	0
24	146	110	85	206	81	125	0	96	0	0	0	0
25	348	112	110	194	40	124	18	108	0	0	0	0
26	235	113	93	193	42	122	0	135	0	0	0	0
27	144	110	93	156	48	118	0	104	0	0	0	0
28	157	109	97	118	46	118	0	76	0	0	0	0
29	116	110	98	82	119	91	0	91	0	0	0	0
30	117	111	103	82	116	0	41	0	0	0	0	33
31	116	-----	104	79	-----	106	-----	0	-----	0	0	-----
TOTAL	13,220	3,304	3,034	3,470	3,074	3,212	3,265	1,805	0	289	0	33
MEAN	426	110	97	112	106	104	105	58.2	0	9.3	0	1.1
MAX	760	124	112	217	177	141	228	135	0	106	0	33
MIN	0	98	82	79	39	0	0	0	0	0	0	0
AC-FT	26,220	6,550	6,020	6,880	6,100	6,370	6,480	3,580	0	573	0	65
CAL YR 1959:	TOTAL 101,100			MEAN 277		MAX 788		MIN 0		AC-FT 200,500		
WAT YR 1960:	TOTAL 34,706			MEAN 94.8		MAX 760		MIN 0		AC-FT 68,840		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT.
1	67	193	478	228	117	286	190	112	0	0	269	0
2	67	200	474	228	116	248	199	106	0	0	189	0
3	79	208	470	229	114	219	199	103	0	0	229	42
4	71	184	470	229	110	217	199	89	0	0	267	195
5	52	106	468	228	111	216	105	76	45	0	246	164
6	0	502	468	229	117	216	133	84	108	0	247	161
7	0	502	468	228	114	218	157	87	98	27	191	163
8	0	500	466	227	117	217	142	117	66	51	242	172
9	0	490	462	206	115	169	133	145	40	54	170	114
10	0	496	462	76	116	171	143	119	44	53	200	115
11	0	494	462	0	116	205	152	116	46	50	244	136
12	0	490	460	0	116	227	152	108	47	51	242	172
13	0	484	462	0	117	223	159	110	46	51	244	170
14	0	480	460	0	118	207	158	107	42	52	248	166
15	0	480	456	0	118	206	158	110	44	52	249	158
16	0	462	450	0	117	77	157	116	47	52	243	122
17	0	468	454	0	115	33	154	116	44	53	190	50
18	0	480	452	0	112	33	149	114	41	53	166	50
19	0	484	454	0	112	121	147	116	19	54	144	50
20	0	486	454	82	113	216	146	119	0	81	0	51
21	0	486	452	181	114	212	144	116	0	105	0	54
22	0	486	454	180	115	130	142	114	25	104	0	86
23	0	482	456	178	116	49	142	116	46	101	0	186
24	0	480	450	143	118	50	138	134	46	101	0	218
25	0	476	448	120	119	50	134	141	46	100	0	211
26	0	480	448	116	120	51	131	74	45	100	0	203
27	0	474	448	116	122	54	129	0	45	98	0	205
28	34	470	392	118	197	58	120	0	43	100	0	204
29	68	472	231	120	-----	164	122	0	22	105	0	172
30	69	476	230	119	-----	216	118	0	0	110	0	146
31	117	-----	229	116	-----	211	-----	0	-----	227	0	-----
TOTAL	596	13,575	13,488	3,697	3,314	4,990	4,410	2,860	1,095	1,993	4,137	3,902
MEAN	19.2	453	435	119	117	161	147	92.3	36.5	64.3	133	130
MAX	117	506	478	229	197	286	199	145	108	227	269	218
MIN	0	193	229	0	110	33	105	0	0	0	0	0
AC-FT	1,160	26,930	26,750	7,330	6,570	9,900	8,750	5,670	2,170	3,950	8,210	7,740
CAL YR 1960	TOTAL 42,807.00			MEAN 117		MAX 506		MIN 0		AC-FT 84,910		
WAT YR 1961	TOTAL 58,057.00			MEAN 159		MAX 506		MIN 0		AC-FT 115,200		



## 2-2813 Hillsboro Canal at S-39, near Deerfield Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	68	0	23	64	44	0	0	0	0	0
2	0	0	68	0	23	135	38	0	0	0	0	0
3	0	0	69	0	23	180	55	0	0	0	0	0
4	0	48	70	0	9 0	174	82	0	0	0	12	0
5	0	58	70	0	0	152	82	0	0	0	24	0
6	0	32	70	0	0	120	76	0	0	0	45	0
7	0	0	70	0	0	119	76	0	0	0	38	0
8	0	0	70	0	0	118	76	0	0	0	22	0
9	0	0	85	0	0	85	93	0	0	0	23	50
10	0	0	94	13	0	59	73	0	0	0	23	94
11	0	0	94	25	0	60	0	0	0	0	24	74
12	0	0	92	19	0	60	0	24	0	0	24	52
13	0	0	92	0	22	92	46	42	0	0	24	24
14	0	0	91	0	50	118	75	37	0	0	24	0
15	0	0	90	45	47	116	65	15	0	14	23	0
16	0	34	68	29	49	102	43	0	45	37	22	0
17	0	61	19	0	49	31	37	0	0	21	23	0
18	0	61	0	0	48	0	37	0	0	0	23	0
19	0	84	43	0	27	0	37	0	0	0	24	0
20	0	98	51	19	0	0	37	0	0	0	24	0
21	0	98	34	31	0	0	49	0	0	0	23	0
22	0	108	34	23	0	0	79	0	0	0	23	0
23	0	118	34	25	0	0	73	0	0	0	22	0
24	0	115	34	23	0	0	73	0	0	0	23	0
25	0	114	34	23	0	0	68	0	0	0	22	0
26	0	89	40	24	0	17	0	0	0	0	0	0
27	0	69	48	23	0	59	0	0	0	0	0	0
28	0	69	48	22	20	74	0	0	0	0	0	0
29	0	66	48	22	63	74	0	0	0	0	0	0
30	0	67	32	22	-----	60	0	0	0	0	0	0
31	0	-----	0	22	-----	44	-----	0	-----	0	0	-----
TOTAL	0	1,371	1,760	408	455.0	2,113	1,414	1,18	45	72	535	294
MEAN	0	43.7	56.8	13.2	15.7	68.2	47.1	3.81	1.50	2.32	17.3	9.80
MAX	0	118	96	45	65	180	93	42	45	37	45	94
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	2,720	3,490	809	902	4,190	2,800	234	89	143	1,060	583

CAL YR 1963 TOTAL 9,072.00 MEAN 26.5 MAX 235 MIN 0 AC-FT 19,180  
WAT YR 1964 TOTAL 8,585.00 MEAN 23.5 MAX 180 MIN 0 AC-FT 17,630

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	47	68	45	161	0	106	0	0	63
2	0	0	0	47	82	39	110	0	104	14	0	64
3	0	0	0	47	68	39	112	33	104	38	0	64
4	0	0	23	47	46	18	112	81	101	37	0	63
5	0	0	46	34	24	76	110	83	101	37	0	60
6	0	0	0	25	0	163	112	80	100	75	0	22
7	0	0	0	26	0	69	114	32	103	97	0	0
8	31	0	0	26	0	69	116	62	101	103	0	0
9	67	0	0	26	20	69	174	76	53	134	45	18
10	61	0	0	26	46	69	225	101	11	157	0	57
11	56	0	0	74	40	68	218	118	0	157	0	22
12	6.0	0	0	106	40	65	170	109	0	72	0	0
13	0	0	0	78	46	65	120	108	0	0	0	0
14	0	0	0	59	46	64	120	76	0	0	0	0
15	0	0	0	62	52	64	120	53	0	0	0	0
16	0	0	0	72	48	64	118	35	0	0	0	0
17	0	0	0	72	33	101	114	55	0	0	0	0
18	0	24	0	68	33	23	119	52	0	0	0	0
19	0	0	29	46	40	23	122	51	0	0	0	0
20	0	0	0	46	61	23	122	54	0	0	0	0
21	0	0	0	53	57	23	123	77	0	0	0	0
22	0	0	0	53	48	23	123	47	0	0	0	0
23	0	0	0	53	20	23	120	47	0	0	0	0
24	0	0	0	46	0	23	106	84	0	0	22	0
25	0	0	0	46	0	24	69	91	0	0	50	0
26	0	0	0	40	19	41	96	0	0	0	58	0
27	0	0	0	40	40	59	0	99	0	0	62	0
28	0	0	0	34	45	60	0	99	0	0	61	0
29	0	0	30	53	-----	81	0	102	0	0	60	0
30	0	0	117	62	-----	129	0	102	0	0	61	0
31	0	-----	76	62	-----	213	-----	106	-----	0	62	-----
TOTAL	223.0	0	347	1,576	1,031	1,915	3,255	2,383	884	921	436	433
MEAN	7.19	0	11.2	50.8	36.8	61.8	109	76.9	29.5	29.7	14.1	14.4
MAX	67	0	117	106	82	213	225	118	106	157	62	64
MIN	0	0	0	25	0	18	0	0	0	0	0	0
AC-FT	442	0	698	3,130	2,040	3,800	6,460	4,730	1,750	1,830	865	859

CAL YR 1964 TOTAL 6,024.00 MEAN 16.5 MAX 180 MIN 0 AC-FT 11,950  
WAT YR 1965 TOTAL 13,404.00 MEAN 36.7 MAX 225 MIN 0 AC-FT 26,590

## 2-2815 Hillsboro Canal near Deerfield Beach, Fla

Location (revised) --Lat 26°19'39", long 80°07'46", in S<sub>1</sub> sec 35, T 47 S, R 42 E, 500 ft downstream from dam, 2 miles west of Deerfield Beach, Broward County, and 4 4 miles east of State Highway 7

Records available --November 1939 to September 1965

Gage --Water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Apr 15, 1940, staff gage at upstream end of lock at datum 0 92 ft lower Apr 15, 1940, to May 7, 1958, and since Feb 15, 1961, water-stage recorder at upstream end of lock July 31, 1947, to Jan 7, 1958, and since Dec 4, 1959, water-stage recorder at downstream end of lock or at site 500 ft downstream from lock July 17, 1958, to Feb 14, 1961, water-stage and deflection-meter recorder 600 ft upstream from dam Sept 30, 1953, to Oct 20, 1958, auxiliary water-stage recorder at Powerline Road, 1 3 miles upstream

Average discharge --25 years, 375 cfs (271,500 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 1961	2,640	10 59	-	-	-
1962	Sept 21, 1962	1,870	a 10 94	Several days	10	b 2 30
1963	Sept 23, 1963	c 3,350	d 10 14	July 5, 9-11, 1963	c 20	e 1 47
1964	Aug 28, 1964	c 2,890	f 10 43	Aug 22, 23, 1964	21	g 1 15
1965	Oct 12, 1964	2,110	h 10 70	Many days	c 50	i 1 20

a Occurred Mar 28, 1962 b Occurred Sept 25, 1962 c Estimated d Occurred Feb 4, 1963  
e Occurred Sept 29, 1964 (estimated) f Occurred Mar 17, 1964 g Occurred Sept 9, 1964 (estimated)  
h Occurred Oct 28, 1964 i Occurred Oct 19, 1964 (estimated)

1939-65 Maximum daily discharge, 3,490 cfs Oct 12, 1947, maximum gage height, 12 58 ft  
Dec 24, 1957, no flow for several days in 1939, 1940, 1958 and 1959, minimum gage height, 1 15 ft  
(estimated) Sept 9, 1964

Remarks --Records fair except those for periods of no gage-height and/or deflection record and those below 100 cfs, which are poor Flow regulated at station by Central and Southern Florida Flood Control District for irrigation and drainage and by flood-control levee, 11 miles above station Pumps above station divert water for irrigation during growing season Since September 1952, flow materially affected by control structure 11 miles upstream Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Cooperation --Stoplog and sluice-gate-operation records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	634	598	435	123	22	9.0	101	8.0	243	49	18	4.0
2	548	573	435	118	30	33	271	15	161	42	10	8.0
3	435	400	464	113	78	40	82	65	241	38	10	5.0
4	255	367	450	108	171	56	28	65	291	24	14	28
5	300	361	449	98	163	63		25	5.0	16	10	98
6	315	637	446	93	99	51	8.0		12	11	10	118
7	428	560	447	93	51	28		8.0	95		12	78
8	595	567	415	113	73	42	32		110		18	24
9	357	365	360	94	54	33	56		197		12	
10	295	577	360	1,040	30		34	70	259		10	
11	385	529	350	424	21	8.0		105	250	22	10	8.0
12	526	514	375	171	12			65	243	13	31	
13	500	513	500	2,040	10			24	66	10	11	
14	799	649	340	2,270		37		26	124		10	27
15	523	594	375	1,390		22		12	254		10	84
16	200	867	485	485		11		10	124		27	237
17	175	856	495	221	27			10	8.0		117	120
18	140	1,020	410	236	81					8.0	81	105
19	165	615	395	98	78	8.0			24		311	150
20	210	577	375	12	38				27		10	65
21	255	544	405	54	14	14	8.0	8.0			510	
22	235	516	390	68	10	160					658	8.0
23	260	483	345	78		85			8.0	10	660	
24	195	473	395	88		41				10	256	
25	93	513	400	88		30		10		12	37	9.0
26	105	477	380	158				160		10	113	20
27	185	553	375	168		12		658		14	103	14
28	165	599	303	113				626		33	255	12
29	210	558	93	68			8.0	331	68		113	56
30	160	501	103	50				510	36	8.0	39	70
31	155		113	38				235			10	
TOTAL	9,885	17,458	11,463	11,763	1,148.0	871.0	788.0	3,118.0	2,935.0	420.0	3,496	1,408.0
MEAN	319	562	370	379	41.0	28.1	26.3	101	97.8	13.5	113	46.9
MAX	799	1,020	485	2,640	178	160	271	658	291	49	660	237
MIN	95	387	93	12							10	
AC-FT	19,610	34,630	22,740	23,330	2,280	1,730	1,560	6,180	5,820	833	6,930	2,790

CAL YR 1960 TOTAL 88,754 MEAN 242 MAX 2,660 MIN - AC-FT 176,000  
WAT YR 1961 TOTAL 64,753.0 MEAN 177 MAX 2,640 MIN - AC-FT 128,400

Note --Leakage through dam Oct 4 to Jan 13, Jan 17 to May 27, May 29 to Sept 30

## 2-2815 Hillsboro Canal near Deerfield Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	85	17	75	24	50	40	78	54	48	93	61	325
2	140	11	11	38	59	16	100	57	42	110	93	237
3	96	11	11	33	54	11	40	62	41	94	71	190
4	90	10	11	33	50	11	41	57	40	92	55	180
5	67	10	27	34	52	11	41	95	41	90	55	215
6	49	11	72	24	52	11	40	143	41	78	58	210
7	50	639	48	55	56	11	40	99	41	87	48	200
8	44	288	16	50	44	12	44	70	41	93	48	190
9	125	11	10	50	49	12	206	63	42	127	59	205
10	305	11	10	50	88	12	108	63	47	181	165	170
11	245	11	15	55	122	18	47	63	42	211	184	160
12	148	11	10	56	68	17	52	62	46	193	207	191
13	64	11	10	56	54	16	52	62	61	115	266	199
14	45	44	15	52	47	26	58	57	85	116	617	219
15	45	11	15	50	47	36	59	48	80	98	570	271
16	30	11	10	49	52	41	59	43	112	83	353	217
17	18	11	15	34	62	40	59	43	96	91	278	188
18	201	11	25	57	60	51	53	49	123	96	227	169
19	396	11	25	54	50	46	61	43	117	113	195	189
20	41	11	25	58	44	47	60	46	90	128	170	678
21	40	11	35	60	49	47	61	42	123	127	150	1,870
22	29	12	25	58	49	47	57	42	170	128	155	1,110
23	29	11	15	56	53	55	54	42	100	110	160	1,140
24	40	11	15	52	51	67	54	46	94	72	160	916
25	46	11	15	48	49	54	54	40	82	62	180	331
26	46	11	35	53	55	932	59	40	71	92	190	165
27	41	11	36	55	55	266	60	41	61	82	225	170
28	219	11	26	56	50	63	56	42	61	67	295	195
29	1,810	11	25	57	-----	42	61	42	68	62	614	320
30	490	12	23	53	-----	36	61	43	87	51	490	315
31	28	-----	33	49	-----	41	-----	43	-----	56	410	-----
TOTAL MEAN	5,082	1,774	739	1,514	1,570	2,135	1,878	1,744	2,193	3,198	6,809	11,135
MAX	164	23.8	48.8	56.1	68.9	62.6	206	56.3	73.1	103	220	371
MIN	1,810	75	60	122	932	206	143	170	211	617	1,870	1,070
AC-FT	10,080	2,530	1,470	3,000	3,110	4,230	3,720	3,460	4,350	6,340	13,510	22,090
CAL YR 1961 TOTAL	33,942.0	MEAN 90.5	MAX 2,640	MIN 10	AC-FT 65,540							
WAT YR 1962 TOTAL	39,271	MEAN 108	MAX 1,970	MIN 10	AC-FT 77,890							

Note --No gage-height and/or deflection record Aug 14 to Sept 11

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	196	96	76	70	76	80	71	76	212	204	109	144
2	138	75	72	70	78	74	74	114	155	142	101	306
3	40	97	75	66	70	77	72	1,890	108	140	101	306
4	58	87	74	71	123	72	66	2,460	121	73	108	123
5	113	69	74	71	230	71	67	1,930	185	20	103	124
6	102	89	73	72	95	70	68	885	207	24	103	124
7	102	91	72	72	96	70	269	155	159	36	103	157
8	104	97	72	72	98	81	175	245	133	31	98	155
9	102	720	71	71	97	84	107	235	139	20	100	173
10	102	182	68	69	96	84	72	178	222	20	100	557
11	97	66	67	68	95	85	72	139	216	20	112	334
12	84	87	73	73	1,910	84	65	121	203	27	118	304
13	91	94	73	79	1,640	82	72	115	184	90	104	272
14	67	106	66	76	321	81	73	137	162	85	97	233
15	145	93	68	122	247	77	66	130	191	90	96	492
16	90	66	68	180	364	74	60	122	456	115	95	487
17	84	86	66	101	1,040	66	54	115	320	140	95	358
18	94	92	71	77	443	66	54	101	239	105	95	521
19	94	95	71	72	198	68	55	101	209	126	115	553
20	107	96	71	72	187	69	47	100	159	125	365	2,710
21	105	97	71	75	130	66	41	99	90	122	486	2,130
22	102	88	77	80	92	64	41	111	96	119	400	1,940
23	102	67	76	71	92	69	36	105	169	419	3,350	1,940
24	102	70	79	70	87	68	41	113	90	162	309	1,800
25	101	65	84	80	86	68	41	107	85	159	209	1,110
26	101	66	81	72	80	239	41	89	104	135	144	1,160
27	97	79	81	84	84	91	42	91	129	120	130	930
28	96	75	76	127	79	70	42	111	236	119	132	766
29	95	75	84	114	-----	65	37	121	349	120	114	346
30	95	75	79	66	-----	66	26	139	261	119	108	153
31	98	-----	75	65	-----	70	-----	167	-----	119	108	-----
TOTAL MEAN	3,130	2,833	2,289	2,580	8,226	2,445	2,045	10,475	5,474	3,089	4,878	21,567
MAX	196	94.4	73.8	83.2	294	78.9	68.2	238	182	99.6	157	719
MIN	46	65	66	65	70	64	26	26	85	20	95	123
AC-FT	6,210	5,620	4,540	5,120	16,320	4,850	4,060	20,780	10,860	6,130	9,680	42,780
CAL YR 1962 TOTAL	40,428	MEAN 111	MAX 1,870	MIN 11	AC-FT 80,190							
WAT YR 1963 TOTAL	69,031	MEAN 189	MAX 3,350	MIN 20	AC-FT 136,900							

Note --No gage-height record at upstream site Aug 26 to Sept 24



## 2-2815 Hillsboro Canal near Deerfield Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	144	69	117	2,240	36	71	58	593	89	97	53	122
2	1,390	68	110	700	36	72	59	1,020	113	98	38	123
3	2,600	67	110	181	37	70	58	252	138	90	38	107
4	1,790	73	110	207	1,200	64	58	196	184	89	38	92
5	1,700	82	108	244	2,440	186	58	158	364	96	38	95
6	1,230	124	109	223	530	62	65	121	474	221	52	106
7	687	80	109	224	177	69	64	95	831	225	60	114
8	244	72	111	205	56	63	64	87	1,600	202	52	666
9	181	78	102	139	48	56	64	55	1,900	273	37	209
10	310	87	103	122	78	49	95	53	1,650	172	51	95
11	412	121	103	117	86	48	399	53	1,120	128	36	84
12	198	122	102	555	79	49	325	52	396	127	37	83
13	106	178	101	752	50	50	81	51	254	99	38	81
14	65	139	100	133	51	51	81	80	259	92	53	73
15	38	118	96	110	37	36	80	190	253	101	52	447
16	1,430	118	108	129	51	123	82	177	131	102	52	1,470
17	1,640	119	662	391	51	559	74	114	98	132	51	1,360
18	799	125	336	514	59	187	73	68	106	96	22	669
19	86	126	131	464	65	103	75	61	94	90	22	225
20	160	127	120	201	49	89	73	172	110	75	22	56
21	126	130	120	108	35	203	72	312	103	68	46	144
22	88	123	112	109	569	150	73	250	94	67	21	141
23	173	120	111	88	476	74	65	457	94	66	21	84
24	174	121	108	65	64	82	58	323	130	65	22	25
25	142	125	103	58	64	75	58	147	245	58	197	95
26	135	126	106	58	71	67	51	161	204	58	791	150
27	126	125	92	58	65	67	37	159	138	37	2,390	143
28	114	126	106	58	72	67	51	149	126	51	2,890	145
29	99	125	98	59	71	59	434	143	133	52	1,750	153
30	85	120	192	59	-----	58	697	113	111	37	611	126
31	78	-----	2,360	51	-----	58	-----	90	-----	37	285	-----
TOTAL	16,552	3,334	6,458	8,622	6,703	3,017	3,582	5,952	11,542	3,201	9,856	7,383
MEAN	534	111	208	278	231	97.3	119	192	385	103	318	246
MAX	2,600	178	2,360	2,240	2,440	559	697	1,020	1,900	273	2,890	1,370
MIN	38	67	92	45	36	46	37	51	59	37	21	25
AC-FT	32,830	6,610	12,810	17,100	13,300	5,980	7,100	11,810	22,890	6,350	19,550	14,640
CAL YR 1963	TOTAL 87,123			MEAN 239		MAX 3,350		MIN 20		AC-FT 172,800		
WAT YR 1964	TOTAL 86,202			MEAN 236		MAX 2,890		MIN 21		AC-FT 171,000		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	142	983	289	50	50	50	50	50	50	50	837	50
2	142	579	216	50	50	50	50	50	50	50	842	50
3	142	291	130	50	52	50	50	50	50	50	995	50
4	139	141	60	50	51	288	50	50	50	50	877	50
5	84	142	380	50	50	138	50	50	50	50	546	56
6	50	91	476	50	76	50	50	50	50	50	208	859
7	50	50	173	50	297	50	50	50	50	50	82	631
8	50	50	93	50	725	50	50	50	50	50	128	578
9	50	56	72	50	50	50	50	50	50	50	156	648
10	50	72	98	50	50	50	50	50	180	50	180	67
11	645	72	102	50	50	50	50	50	180	54	158	51
12	2,110	68	108	50	50	50	50	50	227	102	165	50
13	1,600	64	102	50	50	50	50	50	435	88	146	50
14	1,260	74	93	50	50	50	50	50	313	86	132	50
15	1,700	63	90	50	50	50	50	50	175	78	108	50
16	1,220	78	72	50	50	50	50	50	130	90	90	50
17	673	63	56	50	50	50	50	50	122	326	144	113
18	661	56	50	50	50	50	50	50	142	736	140	190
19	181	60	853	50	50	50	50	50	598	753	126	79
20	52	72	429	50	50	50	50	50	1,530	1,220	130	54
21	69	62	124	50	50	50	50	50	466	1,120	132	52
22	74	102	50	50	50	50	50	50	295	1,120	128	90
23	72	991	50	50	863	50	50	50	241	926	66	98
24	62	124	50	50	723	50	50	50	200	648	50	172
25	54	222	50	50	50	50	75	50	156	536	50	74
26	52	220	50	50	50	50	136	50	158	277	50	386
27	50	134	224	50	50	50	68	50	144	200	50	417
28	1,140	81	714	50	50	50	50	50	130	312	50	116
29	2,020	245	219	50	-----	50	50	50	104	657	55	110
30	1,390	369	50	50	-----	50	50	50	69	852	50	584
31	1,060	-----	50	50	-----	50	-----	50	-----	854	50	-----
TOTAL	17,244	6,095	7,571	1,550	3,837	2,076	1,629	1,550	6,445	11,535	6,919	5,835
MEAN	556	203	180	50.0	137	67.0	54.3	50.0	215	372	223	195
MAX	2,110	991	853	50	863	338	136	50	1,530	1,220	995	859
MIN	50	50	50	50	50	50	50	50	50	50	50	50
AC-FT	34,200	12,090	11,050	3,070	7,610	4,120	3,230	3,070	12,780	22,880	13,720	11,570
CAL YR 1964	TOTAL 88,768			MEAN 243		MAX 2,890		MIN 21		AC-FT 176,100		
WAT YR 1965	TOTAL 70,286			MEAN 193		MAX 2,110		MIN 50		AC-FT 139,400		

2-2817 Pompano Canal at S-38, near Pompano Beach, Fla

Location --Lat 26°13'45", long 80°17'50", in NE¼ sec 36, T 48 S, R 40 E, 15 ft from right bank, 150 ft east of control structure 38 and levee 36, 5.8 miles upstream from bridge on U S Highway 441, 7.9 miles upstream from Cypress Creek Canal, and 12 miles west of Pompano Beach, Broward County

Records available --April 1962 to September 1965

Gage --Water-stage and deflection-meter recorders Datum of gage is at mean sea level (by water levels)

Extremes --Maximum and minimum discharges for the period April 1962 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1962	July 12, 1962	215	a 7.92	Apr 10, 1962	-100	b 6.08
1963	Sept 23, 1963	279	c 8.80	Feb 12, 1963	-103	d 6.15
1964	Oct 5, 1963	259	e 8.40	Aug 27, 1964	-39	f 6.11
1965	Nov 1, 1964	445	g 8.61	Apr 16, 1965	-16	h 6.34

a Occurred Aug 30, 1962 b Occurred June 6, 1962 c Occurred Sept 22, 1963 d Occurred Apr 14, 1963 e Occurred Mar 17, 1964 f Occurred June 15, 1964 g Occurred Feb 23, 1965 h Occurred May 24, 1965

Note --Negative figures indicate reverse flow to the west

1962-65 Maximum discharge, 445 cfs Nov 1, 1964 (from velocity curve extended above 0.7 ft per second), maximum gage height, 8.80 ft Sept 22, 1963, maximum reverse flow, 103 cfs Feb 12, 1963, minimum gage height, 6.08 ft June 6, 1962

Remarks --Records fair except those for 1964 water year, which are good. Flow is normally to the east, but because of regulation at control structures, upstream and downstream of the station, it is frequently reversed. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey.

Cooperation --Gage-height record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, APRIL TO SEPTEMBER 1962

DAY	OCT	NOV	DEC	JAN.	FEB	MAR.	APR	MAY	JUNE	JULY	AUG	SEPT
1							-	-31	-15	20	49	34
2							-	-27	-15	42	60	24
3							-	-37	-12	33	51	32
4							-	-17	-11	17	49	42
5								0	16	15	46	50
6							-52	2	19	23	51	32
7							-50	-2	12	15	47	26
8							-50	-5	6	0	49	25
9							-61	-4	0	17	57	26
10							-77	-5	-7	48	71	24
11							-30	-7	-3	68	30	20
12							-13	-9	7	102	50	17
13							-5	-11	9	108	92	24
14							-7	-9	-11	52	86	30
15							-7	-10	-10	2	65	33
16							-5	-10	-2	-23	50	26
17							-8	-12	13	-16	74	27
18							-8	-15	7	-6	78	22
19							-8	-12	-2	-15	70	30
20							-5	-5	-5	10	64	24
21							-5	2	0	-5	56	42
22							2	5	67	-2	52	42
23							-10	0	27	-5	50	56
24							-5	-12	-2	-12	43	35
25							-2	-8	2	-6	31	55
26							-11	-18	15	26	31	84
27							-23	-28	15	16	46	66
28							-32	-17	8	11	40	38
29							-40	-15	5	11	104	64
30							-35	-12	5	24	53	59
31							-----	-19	-----	35	76	-----
TOTAL							-	-348	138	605	1,771	1,109
MEAN							-	-11.2	4.6	1.95	57.1	37.0
MAX							-	5	67	108	104	84
MIN							-	-37	-15	-23	30	17
AC-FT							-	-690	274	1,200	3,510	2,200

Note --Negative figures indicate reverse flow to the west

2-2817 Pompano Canal at S-38, near Pompano Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	67	0	6	-5	-10	-40	-15	32	22	53	27	32
2	72	-7	-14	-3	-2	-44	-11	33	17	48	27	33
3	77	-18	-22	-2	0	-42	-2	77	17	46	27	33
4	39	-10	-22	-5	-1	-40	3	96	17	39	29	33
5	42	-18	-22	-2	-36	-36	-18	46	23	36	30	31
6	45	-18	-20	-2	-36	-29	-14	26	21	35	29	20
7	30	-9	-19	0	-28	-20	-16	33	41	35	28	0
8	28	-5	-16	-5	-21	-22	-21	31	44	35	28	19
9	27	5	-12	-7	-21	-16	-20	27	36	33	27	19
10	25	29	-3	-6	-19	-12	-13	25	32	32	26	13
11	17	-9	-3	-6	-11	-20	20	24	33	40	28	15
12	17	-5	-7	-26	13	-25	28	22	35	42	30	49
13	7	-17	-2	-15	32	25	25	24	32	44	31	52
14	0	-21	0	-2	-25	-23	47	24	37	44	31	49
15	-14	-21	-2	-3	24	-21	87	20	41	42	31	49
16	-9	-10	-2	-21	7	-14	44	21	45	44	33	56
17	-2	2	0	-27	52	2	39	18	39	42	32	57
18	0	5	0	-19	24	5	55	21	37	42	29	48
19	0	10	0	-18	36	2	69	21	35	40	40	62
20	0	3	-5	-2	43	-2	66	19	33	38	60	94
21	0	0	-20	-25	11	5	67	17	32	36	51	112
22	13	-2	-22	-39	-30	-2	53	17	35	31	44	90
23	-8	-5	-22	-28	-31	-2	32	7	37	40	46	205
24	-16	-17	-17	-42	-38	-2	34	10	37	28	35	184
25	-9	-12	-20	-29	-48	-3	33	17	38	27	31	192
26	-11	-3	-19	-17	-36	-8	33	21	36	25	28	192
27	-18	-3	-19	-11	-44	-13	31	21	39	27	31	196
28	-17	-3	-20	-6	-40	-15	31	17	48	26	31	177
29	-21	-3	-26	-17	-----	-14	31	26	69	28	31	121
30	-5	11	-21	-20	-----	-13	29	21	57	28	30	90
31	-4	-----	15	-16	-----	-13	-----	34	-----	27	30	-----
TOTAL	372	-151	-386	-426	-250	-502	727	848	1,065	1,123	1,011	2,323
MEAN	12.0	-5.0	-12.5	-13.7	-8.9	-16.2	24.2	27.4	35.5	36.2	32.6	77.4
MAX	77	29	6	0	52	5	87	96	69	53	60	205
MIN	-21	-21	-26	-42	-48	-44	-21	7	17	25	26	0
AC-FT	738	-300	-766	-845	-496	-996	1,440	1,680	2,110	2,230	2,010	4,610

CAL YR 1962: MAX - MIN - MEAN - AC-FT -  
 MAT YR 1963 MAX 205 MIN -48 MEAN 15.8 AC-FT 11,420

Note --Negative figures indicate reverse flow to the west

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	104	35	22	106	11	0	5	11	16	20	22	48
2	104	25	21	69	13	-2	3	17	16	19	24	38
3	131	10	19	58	15	-2	3	8	20	17	22	39
4	182	17	21	57	18	-2	3	8	20	19	20	39
5	160	21	20	44	23	-5	4	10	18	19	24	35
6	88	19	20	30	16	-4	5	12	23	35	27	34
7	72	20	21	19	11	0	5	8	29	58	28	35
8	73	20	22	20	9	-5	0	3	45	48	27	34
9	72	23	19	20	12	-5	2	7	64	42	26	29
10	71	22	18	19	17	-7	-4	6	60	36	23	28
11	70	22	20	19	17	-7	2	5	60	29	23	30
12	76	24	22	23	0	-8	-2	2	60	24	24	32
13	58	21	20	26	-3	-2	-4	7	57	20	25	32
14	49	18	22	24	-2	-4	-7	9	52	20	25	31
15	53	17	23	27	0	-4	-9	13	45	20	25	31
16	93	14	21	27	-4	0	-9	13	34	20	25	41
17	114	15	24	25	0	-8	-5	10	27	24	25	37
18	124	15	23	24	-2	-6	-8	13	24	31	29	34
19	103	17	19	24	-2	-6	-10	10	20	28	32	36
20	91	17	20	20	0	-23	-10	19	20	27	29	33
21	85	19	20	18	5	-16	-10	24	13	27	33	34
22	73	19	21	18	11	-2	-9	21	10	22	39	34
23	72	19	23	19	8	0	-9	24	17	23	34	35
24	67	19	23	19	10	0	-9	22	22	26	31	34
25	52	19	23	17	6	5	4	20	24	23	29	38
26	49	19	23	12	3	0	29	22	27	24	64	43
27	46	21	23	8	5	3	2	20	29	26	136	46
28	40	23	23	11	0	4	0	18	24	27	122	46
29	38	23	23	15	-2	2	3	18	24	26	90	46
30	36	23	23	15	-----	-4	7	20	20	24	65	45
31	36	-----	75	17	-----	-2	-----	20	-----	22	60	-----
TOTAL	2,482	596	717	850	195	-110	-28	420	920	826	1,208	1,097
MEAN	80.1	19.9	23.1	27.4	6.7	-3.5	-0.9	13.5	30.7	26.6	39.0	36.6
MAX	182	35	75	106	23	5	29	24	64	58	136	48
MIN	-4	10	18	8	-4	-23	-10	2	10	17	20	28
AC-FT	4,220	1,180	1,420	1,690	387	-218	-56	833	1,820	1,640	2,400	2,180

CAL YR 1963 MAX 205 MIN -48 MEAN 26.6 AC-FT 18,560  
 MAT YR 1964: MAX 182 MIN -23 MEAN 25.1 AC-FT 17,500

Note --Negative figures indicate reverse flow to the west

## 2-2817 Pompano Canal at S-38, near Pompano Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	42	372	32	28	24	25	27	16	39	25	40	23
2	42	332	32	25	23	22	25	19	41	24	53	23
3	42	239	31	20	26	23	21	18	42	25	58	23
4	38	63	30	21	25	21	19	21	41	20	50	26
5	37	57	32	23	26	19	18	24	40	23	39	30
6	36	56	34	23	27	19	21	20	44	23	36	65
7	34	52	31	25	29	22	20	12	44	23	34	54
8	33	45	29	25	27	17	19	18	42	23	30	90
9	28	43	30	24	28	21	17	20	40	19	29	87
10	22	39	32	23	28	21	20	21	32	18	27	67
11	35	35	33	22	29	21	21	16	25	18	26	51
12	110	31	31	25	27	22	22	18	23	22	25	43
13	117	33	29	21	22	21	26	20	26	25	14	39
14	119	30	27	23	22	21	26	21	20	22	20	37
15	144	28	26	23	19	93	15	22	18	22	19	28
16	131	24	28	23	10	290	16	20	20	23	21	43
17	118	23	28	23	14	34	18	46	20	24	10	28
18	102	25	26	22	19	27	18	43	18	28	14	47
19	89	26	34	24	18	24	6	32	24	32	17	34
20	77	26	31	24	20	22	6	29	30	40	17	31
21	68	30	25	23	23	22	7	54	27	52	20	38
22	60	32	26	21	23	25	11	40	24	70	20	31
23	56	44	26	23	29	17	5	36	24	61	17	33
24	48	42	28	24	33	11	10	90	24	61	17	33
25	45	35	28	23	28	22	16	148	22	51	13	36
26	44	34	25	23	26	20	17	93	23	44	16	44
27	42	34	27	24	22	22	12	46	25	34	16	55
28	50	32	32	24	24	22	10	46	27	33	21	37
29	93	32	29	24	-----	25	15	43	27	34	23	40
30	96	33	26	24	-----	25	14	41	27	37	20	48
31	211	-----	28	23	-----	26	-----	41	-----	42	23	-----
TOTAL	2,209	1,927	906	723	671	1,022	498	1,134	879	998	785	1,264
MEAN	71.3	64.2	29.2	23.3	24.0	33.0	16.6	36.6	29.3	32.2	25.3	42.1
MAX	211	372	34	28	33	290	27	148	44	70	58	90
MIN	77	23	25	20	10	11	5	12	18	18	10	23
AC-FT	4,380	3,820	1,800	1,430	1,330	2,030	988	2,250	1,740	1,980	1,560	2,500
CAL YR 1964	MAX 372		MIN -23		MEAN 28.5		AC-FT 20,670					
WAT YR 1965:	MAX 372		MIN 5		MEAN 35.7		AC-FT 25,820					

Note --Negative figure for calendar year indicates reverse flow to the west

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2820 Pompano Canal at Pompano Beach, Fla

Location --Lat 26°13'51", long 80°07'28", on line between SE $\frac{1}{4}$  sec 35, T 48 S, and NE $\frac{1}{4}$  sec 2, T 49 S, R 42 E., near center of channel on downstream side of S E 1st Street bridge in Pompano Beach, Broward County, 700 ft upstream from control structure, 1 4 miles upstream from U S Highway 1, and 1 9 miles upstream from mouth

Records available --February 1940 to June 1943, October 1947 to July 1952 (discharge measurements only), December 1962 to September 1965 Prior to October 1948, published as Cypress Creek Canal at Pompano

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 Prior to June 25, 1943, water-stage recorder 650 ft downstream and October 1947 to July 1952 staff gage 1 mile upstream at same datum

Extremes --Maximum and minimum discharge and gage heights for the water years 1963-65 are contained in the following table

Water year	Maximum daily		Momentary maximum		Minimum daily		Momentary minimum	
	Date	Discharge (cfs)	Date	Gage height (feet)	Date	Discharge (cfs)	Date	Gage height (feet)
1963†	Sept 25, 1963	386	June 10, 1963	5 20	Many days	0	Aug 28, 1963	1 09
1964	Oct 3, 1963	467	Oct 2, 1963	5 66	do	0	Aug 26, 1964	21
1965	Oct 15, 1964	361	Sept 8, 1965	4 95	do	0	Oct 15, 1964	63

† Period December to September

1963-65 Maximum daily discharge, 467 cfs Oct 3, 1963, maximum gage height, 5 66 Oct 2, 1963, no flow for many days each year, minimum gage height, 0 21 ft Aug 26, 1964

Remarks --Records fair Flow is at times affected by tide and occasionally reversed Flow is regulated by operation of salinity-control structure Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964 and 1965 are published in reports of the Geological Survey

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

DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			-	0	0	.60	0	0	0	63	0	.50
2			-	0	0	.90	0	0	0	62	0	3.0
3			-	0	0	.30	0	.10	0	60	0	2.4
4			-	0	0	0	0	1.8	0	59	0	18
5			-	0	0	0	0	.60	0	58	0	6.4
6			-	0	0	0	0	1.5	0	57	0	0
7			-	0	0	0	0	.60	0	56	0	0
8			-	0	0	0	0	.20	0	56	0	0
9			-	0	0	0	0	.90	0	55	0	16
10			-	0	0	0	0	1.2	1.3	55	0	27
11				0	0	0	0	1.2	52	54	0	25
12				0	0	0	0	1.2	72	54	0	22
13				0	0	4.4	0	.30	70	55	0	19
14				0	0	6.0	0	1.2	68	55	0	18
15				0	0	6.6	0	22	67	55	0	17
16				0	0	9.5	0	19	68	56	0	16
17				0	0	23	0	17	68	57	0	39
18				0	0	19	0	6.7	67	54	0	76
19				0	0	26	0	0	65	54	0	72
20				0	0	26	0	0	64	54	0	185
21				0	0	12	0	0	63	57	0	376
22				0	0	.20	0	0	61	24	0	373
23				0	0	.60	0	0	60	0	0	361
24				0	0	.60	0	0	59	0	0	365
25				0	0	.60	0	0	58	0	0	386
26				0	0	1.4	0	0	59	0	0	381
27				0	0	0	0	0	60	0	21	180
28				0	0	.20	0	0	61	0	16	30
29				0	0	-----	0	0	65	0	0	29
30				0	0	-----	0	0	64	0	0	11
31				0	0	-----	0	0	-----	0	0	-----
TOTAL			-	0	136.10	1.80	0	75.50	1,272.3	1,210	37	3,054.40
MEAN			-	0	4.86	.058	0	2.44	42.4	39.0	1.19	102
MAX			-	0	26	.90	0	22	72	63	21	386
MIN			-	0	0	0	0	0	0	0	0	0
AC-FT			-	0	270	3.6	0	150	2,520	2,400	73	6,060

## 2-2820 Pompano Canal at Pompano Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.3	12	5.0	29	3.1	2.9	.80	7.8	3.5	3.7	1.0	11
2	174	11	19	24	2.6	2.5	.70	8.4	3.2	3.5	1.4	9.7
3	467	11	19	22	2.9	2.5	.50	7.8	3.7	3.7	1.1	7.6
4	382	10	12	21	5.0	2.4	0	6.8	3.9	2.9	1.0	6.2
5	376	13	12	20	31	2.5	0	5.9	7.7	2.9	1.1	5.9
6	360	15	5.9	11	30	2.9	0	5.4	7.6	2.8	1.5	6.0
7	369	13	5.4	.90	24	2.0	0	6.4	9.5	1.8	1.5	5.0
8	358	12	5.4	4.2	18	1.7	0	12	14	0	1.4	46
9	144	12	5.0	4.8	1.7	1.5	0	13	22	9.2	1.4	44
10	0	12	5.2	3.5	4.8	1.4	0	13	18	6.2	1.1	7.0
11	0	11	5.9	3.7	5.4	1.3	0	12	16	5.2	.90	6.8
12	0	6.2	5.7	6.8	4.7	1.5	0	11	14	4.8	.80	7.4
13	0	.50	5.9	8.4	3.7	1.9	0	11	13	3.5	.80	7.8
14	0	1.2	5.5	7.8	3.5	2.1	0	7.6	12	2.8	4.5	8.8
15	0	1.2	5.4	6.6	3.2	1.7	0	7.4	11	2.5	3.2	11
16	4.4	1.5	6.2	5.5	3.1	1.7	0	6.4	10	2.5	3.1	12
17	18	1.4	5.7	5.7	2.6	6.2	0	5.7	9.5	2.3	2.8	12
18	21	1.2	8.4	7.0	2.9	5.0	0	5.4	8.8	2.3	2.4	12
19	19	1.2	7.6	6.4	4.0	2.5	0	4.7	8.0	2.3	2.1	11
20	18	1.2	6.0	4.8	3.1	2.0	0	6.2	7.6	1.9	1.9	12
21	17	1.2	5.9	4.0	2.8	2.5	0	7.6	7.2	1.9	1.6	11
22	16	1.2	5.4	4.2	5.0	2.1	0	7.8	7.2	1.9	1.5	12
23	15	1.2	5.0	4.2	5.9	1.7	0	7.4	6.6	1.9	1.4	11
24	15	1.2	5.0	4.0	5.2	1.3	0	6.6	6.0	1.6	1.2	11
25	14	.90	4.8	3.7	3.9	1.0	0	5.9	5.7	1.6	1.0	11
26	14	.90	4.7	3.4	3.7	1.2	0	5.4	5.4	1.6	1.2	10
27	13	.90	4.5	3.5	3.4	1.1	0	4.3	5.0	1.5	37	11
28	13	.60	4.3	3.5	3.2	1.2	0	3.9	4.7	1.3	19	11
29	12	.60	4.5	3.4	3.1	1.1	0	4.3	4.5	1.3	1.2	11
30	12	.50	5.5	3.2	-----	1.0	5.4	4.0	4.0	1.2	6.8	11
31	12	-----	38	5.9	-----	.90	-----	4.0	-----	1.1	10	-----
TOTAL	2,886.7	157.60	255.30	244.10	195.5	63.30	7.40	225.6	259.3	83.2	127.70	359.2
MEAN	93.1	5.25	8.24	7.87	6.74	2.04	.25	7.28	8.64	2.68	4.12	12.0
MAX	467	15	36	29	31	6.2	5.4	13	22	9.2	37	46
MIN	0	0	.50	.90	1.7	.90	0	3.9	3.2	0	.80	5.0
AC-FT	5,750	313	506	484	388	126	15	447	514	165	253	712
CAL YR 1963	TOTAL 9,086.70			MEAN 24.9		MAX 467		MIN 0		AC-FT 18,020		
WAT YR 1964	TOTAL 4,864.90			MEAN 13.3		MAX 467		MIN 0		AC-FT 9,650		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	30	4.0	.80	0	6.5	.10	0	0	2.3	5.5	15
2	13	29	4.0	.80	0	6.0	0	0	0	3.7	7.0	13
3	12	30	5.5	.70	0	6.0	0	0	0	7.0	10	13
4	12	8.7	2.5	.60	0	7.5	0	0	0	6.2	8.8	12
5	13	0	3.0	.60	0	4.0	0	0	0	6.0	7.6	6.4
6	12	0	2.5	.60	0	3.0	0	0	0	5.5	6.4	16
7	12	2.0	4.0	.90	0	5.0	0	0	0	5.2	5.9	14
8	12	3.5	3.0	.70	.40	3.5	0	0	0	5.0	5.4	18
9	12	4.0	4.5	.50	.10	3.5	0	0	0	4.7	5.2	73
10	12	4.5	5.0	.40	0	2.5	0	0	5.0	5.2	8.2	0
11	14	4.5	2.5	.40	0	3.0	0	0	4.0	5.2	23	0
12	40	3.5	2.0	.40	0	2.0	0	0	3.5	4.8	25	0
13	21	3.0	2.5	.30	0	2.0	0	0	5.0	5.2	27	0
14	191	2.5	2.0	.20	0	1.5	0	0	18	5.2	26	0
15	361	2.5	2.0	.10	0	1.0	0	0	38	5.2	26	0
16	7.8	2.0	2.0	0	1.6	1.0	0	0	30	5.0	22	0
17	1.1	2.5	2.0	0	1.5	1.0	0	0	25	6.4	21	0
18	3.9	2.0	1.5	.10	.40	1.3	0	0	25	6.6	22	0
19	3.9	2.0	5.0	.20	10	1.3	0	0	23	7.6	21	0
20	3.2	2.0	3.0	.30	0	1.3	0	0	4.8	8.4	18	0
21	2.5	1.5	2.5	.20	0	1.3	0	0	6.6	8.2	17	0
22	2.7	2.5	2.0	.10	.30	1.2	0	0	0	7.8	16	0
23	2.5	2.0	2.0	0	19	1.2	0	0	0	8.0	15	0
24	2.0	3.0	1.5	.10	24	1.1	0	0	0	7.4	16	0
25	2.0	3.0	1.0	0	8.5	.90	0	0	0	7.0	15	0
26	1.9	2.5	.50	0	8.0	.80	0	0	0	8.2	14	0
27	1.9	2.0	1.0	0	8.0	.50	0	0	0	7.2	12	0
28	27	3.0	1.5	0	7.0	.40	0	0	4.0	9.3	13	0
29	50	4.5	1.0	0	-----	.40	0	0	3.7	5.2	15	0
30	31	3.0	.50	0	-----	.30	0	0	3.2	4.3	17	0
31	27	-----	1.0	0	-----	.20	-----	0	-----	4.7	16	-----
TOTAL	919.4	168.2	73.00	9.00	79.40	69.20	0.10	0	198.8	187.7	467.0	130.4
MEAN	29.7	5.61	2.35	.29	2.84	2.23	.003	0	6.63	6.05	15.1	4.35
MAX	361	30	5.0	.90	24	7.5	.10	0	38	9.3	27	23
MIN	1.1	0	.50	0	0	.20	0	0	0	2.3	5.2	0
AC-FT	1,820	334	145	18	157	137	.2	0	394	372	926	259
CAL YR 1964	TOTAL 2,725.90			MEAN 7.45		MAX 361		MIN 0		AC-FT 5,410		
WAT YR 1965	TOTAL 2,302.20			MEAN 6.31		MAX 361		MIN 0		AC-FT 4,570		

## 2-2821 Cypress Creek Canal at S-37A, near Pompano Beach, Fla

Location --Lat 26°12'20", long 80°07'57", in NW 1/4 sec 11, T 49 S, R 42 E, near center of channel on upstream side of bridge on State Highway 811, 300 ft upstream from salinity-control structure 37A, 24 miles upstream from mouth, 2.8 miles downstream from control structure 37B, 3 miles southwest of Pompano Beach, Broward County, and 3.5 miles downstream from Pompano Canal

Records available --April 1962 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark)

Extremes --Maximum and minimum daily discharges and gage heights for the water years 1962-65 are contained in the following table

Water year	Maximum daily		Momentary maximum		Minimum daily		Momentary minimum	
	Date	Discharge (cfs)	Date	Gage height (feet)	Date	Discharge (cfs)	Date	Gage height (feet)
1962*	Sept 22, 1962	263	July 12, 1962	5 65	Many days	0	July 13, 1962	-0 17
1963	Sept 23, 1963	860	Sept 19, 1963	5.11	do	0	June 7, 1963	- 40
1964	Oct 3, 1963	1,010	Jan 13, 1964	5 42	do	0	Feb 15, 1964	-1 20
1965	Oct 14, 1964	746	Dec 5, 1964	5 27	do	0	Mar 15, 1965	- 60

\* Period April to September

1962-65 Maximum daily discharge, 1,010 cfs Oct 3, 1963, maximum gage height, 5 65 ft July 12, 1962, no flow for many days each year, minimum gage height, -1 20 ft Feb 13, 1964

Remarks --Records fair Flow is regulated by the operation of salinity-control structure 37A Flow is affected by tide and the operation of control structure 37B, 2.8 miles upstream, and is occasionally reversed Discharge computed from continuous velocity record obtained from recording deflection meter and slot gate relations Records of chemical analyses for the water years 1962, 1964, and 1965 are published in reports of the Geological Survey

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1962

DAY	JUNE	JULY	AUG	SEPT	DAY	JUNE	JULY	AUG	SEPT	DAY	JUNE	JULY	AUG	SEPT
1	0	0	59	61	11	0	0	61	71	21	21	32	88	198
2	0	0	73	101	12	0	207	71	73	22	227	24	92	263
3	0	0	66	109	13	0	159	140	76	23	42	15	87	232
4	0	0	63	96	14	0	31	131	75	24	0	6	54	244
5	0	0	58	91	15	0	39	133	105	25	0	0	32	198
6	0	0	66	83	16	18	46	119	87	26	0	14	36	223
7	0	0	61	85	17	20	28	121	66	27	0	25	56	132
8	0	0	65	81	18	2	19	119	65	28	0	21	77	150
9	0	0	65	85	19	0	16	111	65	29	0	21	240	258
10	0	0	71	78	20	0	38	100	98	30	0	21	270	251
										31	-----	28	215	-----
TOTAL											330 0	790 0	3,000	3,800
MEAN											11.0	25.5	96.8	127
MAX											227	207	270	263
MIN											0	0	32	61
AC-FT											655	1,570	5,250	7,540

Note --No flow April 11 to May 31

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	264	0	0	0	0	0	0	0	5.0	46	28	30
2	368	0	0	0	0	0	0	2.0	7.0	36	26	49
3	207	0	0	0	0	0	0	236	4.0	28	25	49
4	107	0	0	0	0	0	0	287	3.0	22	25	46
5	120	0	0	0	0	0	0	131	6.0	20	26	42
6	120	0	0	0	0	0	0	90	32	19	27	57
7	100	0	0	0	0	0	0	100	180	15	26	107
8	100	0	0	0	0	0	0	42	22	15	22	73
9	96	105	0	0	0	0	0	2.0	39	17	21	78
10	63	30	0	0	0	0	0	3.0	57	14	21	133
11	39	0	0	0	0	0	0	11	65	12	18	105
12	23	0	0	0	351	0	0	16	52	15	17	119
13	0	0	0	0	165	0	39	19	45	20	5.0	127
14	0	0	0	0	230	0	44	17	39	21	0	109
15	0	0	0	0	175	0	0	10	38	20	0	115
16	0	0	0	0	154	0	31	4.0	46	20	0	105
17	0	0	0	0	165	0	0	3.0	45	19	0	85
18	0	0	0	0	135	0	0	13	38	14	0	115
19	0	0	0	0	173	0	0	20	32	11	0	312
20	0	0	0	0	176	0	0	20	25	13	0	460
21	0	0	0	0	39	0	0	8.0	20	11	35	456
22	33	0	0	0	0	0	0	4.0	15	12	54	441
23	0	0	0	0	0	0	0	2.0	15	40	49	860
24	0	0	0	0	0	0	0	0	12	39	54	917
25	0	0	0	0	0	0	0	0	13	55	35	741
26	0	0	0	0	0	0	0	0	19	52	36	611
27	0	0	0	0	0	0	0	0	22	49	42	609
28	0	0	0	0	0	0	0	4.0	32	46	44	446
29	0	0	0	0	0	0	0	12	63	42	39	326
30	0	0	0	0	0	0	0	16	60	38	30	175
31	0	0	0	0	0	0	0	76	-----	31	25	-----
TOTAL	1,640	135	0	0	1,763	0	114	1,148.0	1,051.0	827	720.0	7,798
MEAN	52.9	4.50	0	0	63.0	0	3.80	37.0	35.0	26.7	23.2	260
MAX	368	105	0	0	351	0	44	287	180	55	54	860
MIN	0	0	0	0	0	0	0	0	3.0	11	0	30
AC-FT	3,250	268	0	0	3,500	0	226	2,280	2,080	1,640	1,430	15,470
CAL YR 1962	TOTAL	15,196.00			MEAN	51.6		MIN	0	AC-FT	30,140	
MAY YR 1963	TOTAL				MEAN	860		MIN	0	AC-FT		

## 2-2821 Cypress Creek Canal at S-37A, near Pompano Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	333	73	107	448	15	48	8.0	100	0	0	0	170
2	413	65	98	317	13	46	8.0	61	0	0	0	158
3	1,010	60	101	132	14	23	8.0	12	0	0	0	35
4	762	60	100	175	263	24	8.0	8.0	0	0	0	70
5	563	90	103	120	251	21	10	0	0	0	0	73
6	385	129	101	71	114	5.0	10	42	0	0	0	70
7	330	94	100	108	58	14	10	0	64	0	0	60
8	300	65	103	68	43	16	10	0	225	0	0	55
9	294	65	101	9.0	54	13	8.0	53	321	1.0	0	56
10	323	81	94	3.0	0	8.0	4.0	1.0	278	1.0	0	88
11	302	90	80	15	0	9.0	24	0	200	0	0	60
12	262	171	81	225	160	24	22	0	98	0	0	19
13	105	136	85	282	104	57	6.0	38	132	0	0	15
14	127	20	90	160	0	66	0	152	88	0	0	5.0
15	300	16	109	64	0	60	0	258	23	0	0	5.0
16	450	19	115	39	0	64	0	258	0	0	0	14
17	389	31	308	75	0	147	0	89	0	0	0	24
18	361	32	147	66	13	81	0	0	0	0	0	31
19	242	32	53	21	90	39	0	0	0	0	0	15
20	196	39	5.0	44	35	34	0	63	0	0	0	7.0
21	175	94	0	0	101	169	0	46	0	0	0	6.0
22	123	105	4.0	0	246	70	0	0	0	0	0	3.0
23	189	100	24	8.0	182	14	0	2.0	0	0	0	0
24	129	101	28	24	59	8.0	0	2.0	0	0	0	6.0
25	78	107	34	98	30	8.0	8.0	0	0	0	0	33
26	105	100	28	49	12	4.0	10	0	0	0	121	43
27	101	101	36	1.0	9.0	17	0	0	0	0	597	59
28	98	105	31	3.0	21	12	0	0	0	0	416	137
29	87	113	26	8.0	46	13	58	0	0	0	279	65
30	85	118	159	11	15	15	129	0	0	0	163	57
31	80	595	12	11	11	11	0	0	0	0	149	149
TOTAL	8,697	2,413	3,046.0	2,656.0	1,913.0	1,140.0	341.0	1,185.0	1,429	2.0	1,725	1,469.0
MEAN	281	80.4	98.3	85.7	60.0	36.8	11.4	38.2	47.6	.085	55.6	49.0
MAX	1,010	171	595	448	263	169	129	258	321	1.0	597	18
MIN	78	16	0	0	0	4.0	0	0	0	0	0	0
AC-FT	17,250	4,790	6,040	5,270	3,790	2,260	676	2,350	2,830	4.0	3,420	2,910

CAL YR 1963 TOTAL 27,577.00 MEAN 75.6 MAX 1,010 MIN 0 AC-FT 54,700  
WAT YR 1964 TOTAL 26,016.00 MEAN 71.1 MAX 1,010 MIN 0 AC-FT 51,600

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	54	498	46	36	0	90	0	31	3.0	30	326	38
2	76	325	65	40	0	32	0	30	0	21	397	34
3	85	302	73	35	0	42	0	28	0	20	425	34
4	43	78	70	61	0	251	0	24	0	19	260	28
5	203	105	15	15	1.0	174	0	18	0	19	301	32
6	42	98	156	30	26	20	3.0	15	0	14	203	204
7	35	147	42	45	142	64	0	14	0	12	129	286
8	127	54	39	86	31	10	0	0	0	10	185	453
9	27	104	68	43	0	52	0	9.0	1.0	8.0	151	306
10	24	58	68	38	0	46	6.0	6.0	22	4.0	65	204
11	175	83	55	38	0	0	25	3.0	5.0	0	78	81
12	573	85	54	39	0	54	17	0	2.0	0	76	36
13	494	43	55	32	0	51	0	0	5.0	1.0	80	69
14	746	78	55	30	2.0	0	0	0	22	6.0	80	71
15	662	81	60	28	4.0	207	0	0	18	5.0	83	34
16	555	78	57	32	70	208	0	0	11	9.0	65	180
17	359	98	57	32	49	0	0	0	8.0	38	57	48
18	322	72	54	22	14	0	1.0	0	8.0	191	66	149
19	222	41	205	21	7.0	0	10	0	19	244	61	48
20	270	42	137	24	5.0	0	12	0	108	301	52	57
21	149	50	81	24	14	3.0	0	1.0	104	308	45	57
22	118	166	42	27	30	9.0	0	2.0	100	362	39	60
23	127	165	36	36	421	20	0	2.0	20	308	36	94
24	102	125	36	48	278	19	1.0	2.0	73	308	36	113
25	107	75	45	43	277	9.0	28	5.0	15	253	35	87
26	114	80	52	12	74	5.0	40	13	13	201	32	288
27	127	59	76	0	85	0	39	15	11	269	25	274
28	315	54	145	0	101	0	39	10	129	299	26	109
29	554	142	145	0	-----	0	36	8.0	49	314	43	107
30	352	93	39	0	-----	0	32	5.0	39	333	49	101
31	440	-----	38	0	-----	0	-----	4.0	-----	285	48	-----
TOTAL	7,362	3,686	2,271	870	1,686.0	1,387.0	289.0	255.0	785.0	4,192.0	3,554	3,682
MEAN	237	123	73.3	28.1	60.2	44.7	9.63	8.23	26.2	135	115	123
MAX	746	498	205	61	421	251	40	31	129	362	425	453
MIN	27	41	36	0	0	0	0	0	0	0	25	0
AC-FT	14,600	7,310	4,500	1,730	3,340	2,750	573	506	1,560	8,310	7,050	7,300

CAL YR 1965 TOTAL 25,179.00 MEAN 68.8 MAX 746 MIN 0 AC-FT 49,940  
WAT YR 1966 TOTAL 30,019.00 MEAN 82.2 MAX 746 MIN 0 AC-FT 59,540



2-2827 Middle River Canal at S-36, near Fort Lauderdale, Fla

Location --Lat 26°10'22", long 80°10'47", in NW¼ sec 20, T 49 S, R 42 E, 20 ft from south bank, 120 ft upstream from salinity-control structure 36, 1.5 miles east of bridge on U S Highway 441, and 5 miles west of Fort Lauderdale, Broward County

Records available --October 1955 to September 1961 (gage heights only), October 1961 to September 1965

Gage --Water-stage recorder and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 Since Mar 27, 1962, deflection-meter recorder at same site

Extremes --Maximum and minimum daily discharges and gage heights for the water years 1962-65 are contained in the following table

Water year	Maximum daily				Minimum daily			
	Date	Discharge (cfs)	Date	Gage height (feet)	Date	Discharge (cfs)	Date	Gage height (feet)
1961	Sept 21, 1962	214	Sept 30, 1962	5 30	Many days	0	July 3, 1962	0 35
1962	Sept 23, 1963	277	Sept 29, 1963	5 91	do	0	Aug 19, 1963	2 10
1963	Oct 4, 1963	424	Oct 3, 1963	6 98	Oct 8, 1963	a -61	Aug 28, 1964	02
1964	Oct 12, 1964	464	Oct 27, 1964	5 40	Many days	0	Oct 14, 1964	1 24

a Maximum reverse flow, no flow for many days

1962-65 Maximum daily discharge, 464 cfs Oct 12, 1964, maximum gage height 6 98 ft Oct 3, 1963, maximum reverse flow, 61 cfs Oct 8, 1963, no flow for many days each year, minimum gage height, 0 02 ft Aug 28, 1964

Remarks --Records good Flow is at times affected by tide and occasionally reversed Flow is regulated by operation of salinity-control structure 36 Records of chemical analysis for the water years 1962, 1964, and 1965 are published in reports of the Geological Survey Discharge computed from continuous velocity record obtained from recording deflection meter

Cooperation --Gage height and S-36 gate-operation records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	111
2	0	0	0	0	0	0	0	0	0	132	0	108
3	0	0	0	0	0	0	0	0	0	92	0	101
4	0	0	0	0	0	0	0	0	0	0	0	36
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	12	0	0	0	0	0
12	0	0	0	0	0	0	32	0	0	37	0	0
13	0	0	0	0	0	0	31	0	0	67	0	0
14	0	0	0	0	0	0	30	0	0	63	0	0
15	0	0	0	0	0	0	31	0	0	60	0	0
16	0	0	0	0	0	0	0	0	0	55	0	0
17	0	0	0	0	0	0	0	0	0	53	0	0
18	0	0	0	0	0	0	0	0	0	50	0	0
19	0	0	0	0	0	0	0	0	0	49	0	0
20	0	0	0	0	0	0	0	0	0	48	0	111
21	0	0	0	0	0	0	0	0	0	46	0	214
22	0	0	0	0	0	0	0	0	25	44	0	101
23	0	0	0	0	0	0	0	0	69	15	0	0
24	0	0	0	0	0	0	0	0	74	0	0	43
25	0	0	0	0	0	0	0	0	52	0	0	76
26	0	0	0	0	0	0	0	0	0	0	0	74
27	0	0	0	0	0	0	0	0	0	0	0	30
28	0	0	0	0	0	0	0	0	0	0	37	0
29	0	0	0	0	0	0	0	0	0	0	142	0
30	0	0	0	0	0	0	0	0	0	0	138	0
31	0	0	0	0	0	0	0	0	0	0	129	0
TOTAL	0	0	0	0	0	0	136	0	220	811	446	1,005
MEAN	0	0	0	0	0	0	4.53	0	7.33	26.2	14.4	33.5
MAX	0	0	0	0	0	0	32	0	74	132	142	214
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	270	0	436	1,610	885	1,990

CAL YR 1961: TOTAL  
 MAY YR 1962: TOTAL 2,618.00  
 MEAN 7.17  
 MAX 214  
 MIN 0  
 AC-FT 5,190

2-2827 Middle River Canal at S-36, near Fort Lauderdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	71	0	0	0	0	0	0	0	0	0	0	0
3	134	0	0	0	0	0	0	0	0	0	0	0
4	115	0	0	0	0	0	0	0	0	0	0	0
5	112	0	0	0	0	0	0	0	0	0	0	0
6	57	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	13	0	0	0	0	0	0	0
13	0	0	0	0	11	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	49	0	0	0	0	0	0	0
17	0	0	0	0	148	0	0	0	0	0	0	0
18	0	0	0	0	60	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	111
22	0	0	0	0	0	0	0	0	0	0	0	107
23	0	0	0	0	0	0	0	0	0	0	0	277
24	0	0	0	0	0	0	0	0	0	0	0	224
25	0	0	0	0	0	0	0	0	0	0	0	208
26	0	0	0	0	0	0	0	0	0	0	0	9.1
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	53
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	489	0	0	0	271	0	0	0	0	0	0	989.1
MEAN	15.8	0	0	0	9.68	0	0	0	0	0	0	33.0
MAX	134	0	0	0	148	0	0	0	0	0	0	277
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	970	0	0	0	538	0	0	0	0	0	0	1,960

CAL YR 1962 TOTAL 3,107.00 MEAN 8.51 MAX 214 MIN 0 AC-FT 6,160  
WAT YR 1963 TOTAL 1,749.10 MEAN 4.79 MAX 277 MIN 0 AC-FT 3,470

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	199	0	0	0	0	0	0	0	0	0	0	19
2	206	0	0	19	0	0	0	0	0	0	0	29
3	291	0	0	64	0	0	0	0	0	0	0	28
4	424	0	0	60	0	0	0	0	0	0	0	26
5	256	0	0	58	11	0	0	0	29	0	0	25
6	247	0	0	56	102	0	0	0	54	0	0	23
7	247	0	0	0	92	0	0	0	51	0	0	23
8	-61	0	0	0	31	0	0	0	52	0	0	22
9	43	0	0	0	32	0	0	0	56	0	0	15
10	0	0	0	0	32	0	0	0	56	0	0	0
11	73	0	0	0	32	0	0	0	57	0	0	0
12	120	0	0	0	13	0	0	0	55	0	0	0
13	79	0	0	0	0	0	0	0	54	0	0	0
14	0	0	0	0	0	0	0	0	52	0	0	0
15	0	0	0	0	0	0	0	0	32	0	0	0
16	0	0	0	17	0	0	0	0	0	0	0	0
17	90	0	0	31	0	0	0	0	0	0	0	0
18	148	0	0	30	0	0	0	0	0	0	0	0
19	80	0	0	30	0	0	0	0	0	0	0	0
20	52	0	0	16	0	0	0	29	0	0	0	16
21	52	0	0	0	0	0	0	71	0	0	0	27
22	52	0	0	0	0	0	0	63	0	0	0	25
23	51	0	0	0	0	0	0	59	0	0	0	10
24	49	0	0	0	0	0	0	56	0	0	0	0
25	27	0	0	0	0	0	0	53	0	0	0	0
26	0	0	0	0	0	0	0	50	0	0	57	0
27	0	0	0	0	0	0	0	25	0	0	257	0
28	0	0	0	0	0	0	0	0	0	0	108	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	2,705	0	0	381	345	0	0	406	548	0	422	288
MEAN	87.3	0	0	12.3	11.9	0	0	13.1	18.3	0	13.6	9.60
MAX	424	0	0	64	102	0	0	71	57	0	257	29
MIN	-61	0	0	0	0	0	0	0	0	0	0	0
AC-FT	5,370	0	0	756	684	0	0	805	1,090	0	837	571

CAL YR 1963 TOTAL 3,965 MEAN 10.9 MAX 424 MIN -61 AC-FT 7,860  
WAT YR 1964 TOTAL 5,095 MEAN 13.9 MAX 424 MIN -61 AC-FT 10,110

2-2827 Middle River Canal at S-36, near Fort Lauderdale, Fla --Continued  
DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	133	28	0	0	0	0	0	0	0	31	0
2	0	134	27	0	0	0	0	0	0	0	31	0
3	0	133	26	0	0	0	0	0	0	0	31	0
4	0	91	14	0	0	0	0	0	0	0	31	0
5	0	0	0	0	0	0	0	0	0	0	30	0
6	0	0	0	0	0	0	0	0	0	0	29	0
7	0	0	0	0	0	0	0	0	0	0	27	14
8	0	47	0	0	0	0	0	0	0	0	26	20
9	0	75	0	0	0	0	0	0	0	0	26	0
10	0	72	0	0	0	0	0	0	0	0	25	0
11	43	70	0	0	0	0	0	0	0	0	25	0
12	464	68	0	0	0	0	0	0	0	0	24	0
13	360	68	0	0	0	0	0	0	0	0	24	0
14	339	67	0	0	0	0	0	0	0	0	23	0
15	297	65	0	0	0	0	0	0	0	0	23	0
16	220	64	0	0	0	0	0	0	0	0	22	0
17	160	24	0	0	0	0	0	0	0	0	22	0
18	122	0	0	0	0	0	0	0	0	0	23	0
19	122	0	0	0	0	0	0	0	0	0	13	0
20	124	0	0	0	0	0	0	0	0	0	0	0
21	116	0	0	0	0	0	0	0	0	0	0	0
22	46	0	0	0	0	0	0	0	0	0	0	0
23	0	16	0	0	0	0	0	0	0	0	0	0
24	0	29	0	0	0	0	0	0	0	0	0	0
25	0	29	0	0	7.0	0	0	0	0	0	0	0
26	0	29	0	0	25	0	0	0	0	0	0	0
27	44	28	0	0	36	0	0	0	0	0	0	0
28	124	27	0	0	0	0	0	0	0	0	0	0
29	128	28	0	0	-----	0	0	0	0	0	0	0
30	130	28	0	0	-----	0	0	0	0	9.4	0	0
31	132	-----	0	0	-----	0	-----	0	-----	32	0	-----
TOTAL	2,971	1,285	95	0	68.0	0	0	0	0	41.4	486	34
MEAN	95.8	42.8	3.06	0	2.43	0	0	0	0	1.34	15.7	1.13
MAX	464	134	28	0	36	0	0	0	0	32	31	20
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	5,890	2,550	188	0	135	0	0	0	0	82	964	67
CAL YR 1964	TOTAL 6,741.00		MEAN 18.4		MAX 464		MIN 0		AC-FT 13,370			
WAT YR 1965	TOTAL 4,980.40		MEAN 13.6		MAX 464		MIN 0		AC-FT 9,880			

2-2828 Middle River Canal at U S Highway 1, near Fort Lauderdale, Fla

Location --Lat 26°09'26", long 80°07'03", in SW<sup>1</sup> sec 25, T 49 S, R 42 E, near center of channel on downstream side of bridge on U S Highway 1, 300 ft downstream from north and south forks of Middle River, 1 6 miles north of Fort Lauderdale, Broward County, and 2 6 miles upstream from mouth

Records available --December 1962 to September 1965

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

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the period December 1962 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1963	Sept 23, 1963	61.4	Mar 18, 1963	26.0	Mar 25, 1963	50.7	Sept 23, 1963	3.14
1964	Oct 3, 1963	83.4	Mar 8, 1964	26.8	Nov 1, 1963	46.9	Feb 7, 1964	33
1965	July 26, 1965	93.0	Mar 27, 1965	30.0	Sept 8, 1965	54.3	Nov 12, 1964	6.48

Maximum and minimum gage heights, in feet, December 1962 to September 1965

Water year	Maximum			Water year	Minimum		
	Date	Discharge	Gage height		Date	Discharge	Gage height
1963	Sept 28, 1963		2.72	1963	Apr 24, 25, 1963		-1.78
1964	Oct 5, 1963		2.96	1964	Feb 26, 1964		-1.78
1965	Sept 8, 1965		4.43	1965	Mar 19, 1965		-1.79

1963-65 Maximum daily downstream flow, 93.0 mcf (millions of cubic feet) July 26, 1965, minimum daily, 26.0 mcf Mar 18, 1963, maximum daily upstream volume, 54.3 mcf Sept 8, 1965, minimum daily, 0.33 mcf Feb 7, 1964 Maximum gage height, 4.43 ft Sept 8, 1965, minimum, -1.79 ft Mar 19, 1965

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

2-2828 Middle River Canal at U S Highway 1, near Fort Lauderdale, Fla

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, FOR PERIOD DECEMBER 1962 TO SEPTEMBER 1963

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1				-	-	42 0	36 7	40 8	34 5	47 6	25 0	
2				-	-	41 0	38 8	40 1	31 4	43 4	21 2	
3				-	-	42 7	37 8	34 9	34 9	41 7	20 6	
4				-	-	45 1	37 9	38 0	39 9	38 9	19 6	
5				-	-	43 9	37 3	33 1	39 9	41 5	17 7	
6				-	-	41 2	46 1	37 7	37 3	36 9	24 9	
7				-	-	40 3	45 9	39 6	41 3	30 6	29 0	
8				-	-	45 4	41 1	41 0	38 0	30 3	28 7	
9				-	-	38 9	44 6	42 0	34 0	30 7	26 7	
10				-	-	39 8	39 0	43 0	31 0	30 8	27 2	
11				-	-	40 5	40 0	42 0	28 0	34 5	34 8	
12				-	-	42 0	41 0	39 0	25 5	38 4	32 8	
13				-	-	43 0	40 0	43 0	23 0	40 8	29 6	
14				-	-	41 0	28 0	41 0	18 0	35 8	25 9	
15				44 3	34 5	42 0	22 5	38 0	12 0	32 3	21 4	
16				38 1	33 0	38 0	21 0	35 2	11 0	30 9	19 2	
17				36 1	24 7	36 0	23 0	40 4	6 48	28 4	13 9	
18				37 0	24 6	36 5	26 0	34 6	10 3	26 0	15 4	
19				33 5	24 3	32 5	27 0	36 6	14 2	29 7	19 1	
20				31 2	24 7	33 5	31 0	35 7	18 6	29 6	24 8	
21				33 5	27 5	33 0	29 0	42 9	25 6	32 8	33 3	
22				34 2	29 8	30 5	25 0	45 1	32 4	32 6	36 7	
23				39 2	35 0	40 0	37 0	47 8	36 7	41 2	47 7	
24				37 7	33 7	41 5	36 0	48 6	37 7	46 6	43 6	
25				42 7	36 1	43 4	40 9	53 6	35 3	45 5	50 7	
26				43 3	35 7	48 2	40 4	55 5	37 5	50 9	45 3	
27				41 4	37 9	43 5	39 4	51 1	32 1	54 0	43 3	
28				42 6	37 3	46 1	38 0	49 6	26 3	53 0	39 9	
29				46 8	44 0	46 6	36 0	-----	-----	49 4	33 3	
30				44 6	39 9	48 0	33 2	-----	-----	41 5	32 4	
31				45 5	35 8	44 3	32 8	-----	-----	32 1	31 9	
April		May		June		July		August		September		
1	31 7	27 0	42 0	28 0	29 8	24 4	35 5	22 9	32 2	28 6	36 1	31 2
2	31 0	25 8	38 0	28 0	31 6	23 5	33 1	27 6	35 8	26 8	44 4	37 4
3	33 5	25 9	45 0	27 9	29 5	32 3	36 4	24 4	32 6	28 7	42 0	42 5
4	29 1	31 5	45 0	26 0	29 5	32 0	35 5	28 7	37 5	31 0	48 5	42 0
5	35 4	33 6	41 0	26 0	34 0	28 8	37 1	26 2	44 0	34 4	45 9	43 1
6	33 4	41 8	42 0	26 5	36 8	31 9	36 0	33 6	46 4	34 9	48 3	39 6
7	37 0	40 3	44 0	27 0	40 3	29 0	37 8	32 2	46 8	36 0	48 3	39 6
8	45 2	35 9	46 0	27 5	36 6	31 2	38 9	36 7	43 3	37 9	45 6	35 1
9	43 5	37 7	46 5	27 0	36 8	31 3	43 8	36 6	44 1	34 9	44 5	32 9
10	39 4	35 0	44 0	28 0	45 3	24 7	46 3	37 9	44 2	35 5	39 4	31 8
11	35 4	37 0	46 0	23 0	38 2	25 2	45 1	34 2	43 5	35 2	39 9	33 1
12	38 2	29 9	42 0	26 0	39 2	23 2	38 3	32 8	42 7	31 3	37 7	32 4
13	32 5	28 6	36 0	23 0	36 3	22 8	39 6	33 0	40 0	28 0	38 1	33 1
14	30 8	20 8	36 2	21 3	39 4	23 7	41 2	33 2	38 5	37 3	37 1	36 1
15	28 9	20 7	35 8	23 2	36 8	24 1	42 7	35 1	35 4	33 5	40 3	37 6
16	28 0	19 3	30 3	26 3	43 0	26 7	46 5	40 0	36 8	32 6	40 6	38 4
17	27 5	19 7	32 9	30 0	43 9	30 0	46 3	40 0	41 9	32 4	42 8	39 5
18	34 4	23 9	34 3	34 2	48 3	32 6	46 2	38 8	39 6	36 1	43 9	32 1
19	34 4	27 7	41 6	39 7	43 7	36 9	46 2	42 2	41 9	31 8	44 3	32 7
20	40 3	33 4	47 2	38 6	42 8	39 5	47 5	40 7	44 3	31 8	47 9	23 9
21	42 3	39 5	43 7	43 3	45 0	38 0	46 2	37 0	41 5	35 5	55 0	16 9
22	45 7	41 8	45 5	46 3	48 3	42 8	43 1	36 4	44 7	31 3	53 9	11 2
23	44 1	38 4	43 9	46 6	47 2	36 4	41 7	37 8	42 2	24 9	61 4	3 14
24	43 0	38 6	47 8	47 5	48 4	36 8	41 4	35 3	35 6	25 3	55 6	5 87
25	38 0	36 8	46 3	45 2	47 4	32 5	38 5	32 3	33 3	15 6	51 0	4 77
26	47 8	31 7	47 7	40 9	41 4	26 3	34 4	27 5	34 0	13 0	46 8	7 11
27	43 4	33 2	41 2	37 3	34 8	25 7	32 6	24 9	31 1	17 4	37 8	15 2
28	42 0	32 6	39 0	30 8	35 1	24 2	31 1	23 3	30 4	14 8	42 4	19 0
29	46 4	28 7	35 3	30 5	34 7	23 2	32 9	21 9	28 1	20 0	43 7	17 4
30	46 1	28 2	31 7	27 7	33 3	24 7	31 0	23 0	30 7	19 2	48 0	23 2
31	-----	-----	29 2	27 1	-----	-----	32 5	21 0	34 3	29 3	-----	-----

2-2828 Middle River Canal at U S Highway 1, near Fort Lauderdale, Fla

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	54 1	26 9	55 0	46.9	51 0	38 5	48 5	32.0	44 6	35 4	43 2	33 7
2	62 4	28 3	53 2	44.6	51 2	36 3	46 4	31 7	41 7	29 9	38 1	31 7
3	83 4	10 2	52 2	41 8	48 9	36 0	51 1	25 0	38 5	27 7	38 6	23 6
4	75 4	12 2	52 7	42 4	48 9	35 3	50 3	20 3	38 7	22 5	34 0	18 1
5	71 8	22 6	54 3	31 7	43 2	26 3	44 7	18 5	38 1	12 8	31 6	15 6
6	69 6	25 2	45 7	29 7	40 6	24 1	38 2	15 9	49 2	7 17	30 0	11 8
7	87 2	22 4	42 9	23 4	38 5	20 9	38 0	15 4	47 3	3 33	31 4	12 9
8	58 3	21 9	41 2	21 5	37 2	22 7	34 3	11 9	39 6	10 1	26 8	12 4
9	49 3	20 9	38 5	22 9	38 2	19 7	33 2	15 9	35 8	12 3	28 7	16 0
10	46 4	17 7	39 7	25 0	31 1	23 2	33 3	19 8	30 2	23 5	30 1	21 5
11	53 1	14 8	37 4	24 8	33 3	22 8	33 6	23 9	35 2	28 1	34 5	28 6
12	51 3	14 8	37 7	27 2	33 1	25 0	38 8	27 5	36 8	31 8	38 2	33 3
13	47 9	20 1	36 8	30 2	35 1	27 6	35 9	27 0	41 5	34 7	40 8	37 3
14	46 8	30 8	37 5	31 6	36 4	27 4	36 5	27 4	40 8	40 0	46 7	39 5
15	43 5	27 0	38 4	31 9	34 4	29 0	39 1	32 7	41 8	42 8	45 4	40 2
16	45 1	28 8	39 2	31 5	34 5	26 5	41 6	35.7	44 4	40 4	49 1	39 9
17	50 5	18 8	36 9	31 4	33 2	31 4	44 4	30 4	44 2	38 4	46 3	37 7
18	50 5	20 1	36 3	29 6	35 4	29 1	44 9	27 8	45 5	34 6	45 2	35 0
19	43 2	32 9	36 1	27 7	35 0	29 0	46 7	25 6	41 1	25 1	41 1	35 6
20	46 3	19 1	36 2	24 4	35 8	32 6	41 7	25 8	39 6	21 2	41 7	30 2
21	50 2	6 39	38 0	19 0	35 5	28 1	40 4	24 3	38 4	25 0	38 3	26 4
22	43 1	5 73	34 9	18 3	35 7	21 9	39 4	26 3	41 0	28 6	35 2	31 6
23	36 0	15 8	35 9	17 4	35 8	20 6	42 1	28 5	38 6	26 0	37 2	35 2
24	35 7	14 2	35 3	20 9	36 0	20 8	41 5	28 2	38 1	30 3	40 2	38 0
25	37 5	12 0	38 1	24 5	37 2	31 9	42 5	32 7	43 5	30 8	42 4	38 8
26	33 8	16 5	41 2	27 8	39 2	34 6	41 8	35 3	40 6	37 0	46 9	43 0
27	37 1	24 2	44 7	34 7	40 3	38 0	44 4	37 3	45 7	40 6	48 0	40 8
28	38 9	32 9	44 5	41 3	44 6	41 4	45 7	39 7	44 9	38 6	48 8	38 5
29	40 9	39 9	49 5	39 7	44 9	38 5	45 2	40 2	42 8	35 7	45 1	38 2
30	46 4	44 1	47 6	41 5	48 1	44 2	47 5	38 7	-----	-----	42 2	34 3
31	50 5	45 3	-----	-----	54 2	40 5	48 1	38 7	-----	-----	40 5	31 4
April		May		June		July		August		September		
1	36 2	27 0	42 0	22 7	35 6	18 9	39 1	25 5	37 5	27 5	44 2	26 2
2	34 0	24 7	37 5	17 5	33 4	20 4	38 4	27 0	40 8	27 6	48 5	23 9
3	34 4	16 6	37 6	12 7	38 5	21 9	41 6	25 5	40 0	33 0	49 3	27 6
4	32 3	16 9	31 4	12 6	36 3	23 2	42 4	29 8	40 4	36 4	49 9	29 3
5	29 8	11 5	35 1	13 7	42 5	27 4	44 9	27 9	39 6	36 4	50 3	32 1
6	31 1	14 5	37 6	16 1	48 5	29 3	44 9	28 5	46 2	38 4	52 5	34 1
7	30 4	16 6	37 2	24 6	48 7	30 8	45 8	30 6	48 5	35 6	51 1	35 9
8	34 2	24 2	42 3	32 5	55 9	28 8	45 2	34 9	49 2	36 5	49 6	32 1
9	36 0	31 8	46 8	39 4	56 2	33 5	47 6	33 5	48 9	36 6	49 9	30 1
10	43 7	34 3	54 3	40 7	58 5	35 0	50 3	35 2	45 4	38 3	45 0	24 0
11	44 1	39 4	51 8	41 3	55 3	35 5	50 6	32 4	45 6	32 4	46 6	18 3
12	49 3	40 3	52 5	38 9	59 0	32 5	50 8	33 9	40 0	34 4	40 5	15 0
13	48 9	40 6	51 7	37 9	59 5	29 1	49 4	28 3	39 2	28 3	37 6	9 41
14	51 3	36 6	52 9	35 2	54 7	26 0	46 9	23 9	42 5	20 5	40 3	9 23
15	52 2	36 7	54 8	32 7	52 3	24 5	43 3	25 2	37 2	20 5	37 7	9 64
16	48 4	33 5	48 7	30 3	45 7	23 3	39 5	21 6	38 4	16 6	32 3	15 5
17	46 5	28 5	45 0	29 0	42 5	23 1	41 1	19 0	35 9	17 6	33 8	20 6
18	39 7	27 9	40 0	27 0	42 5	25 1	40 0	21 0	35 7	17 4	34 8	25 8
19	35 8	31.0	41 0	24 0	36 9	18 5	37 5	20 0	36 0	19 6	37 3	31 3
20	40 0	29 0	43 0	28 0	37 9	24 4	38 1	22 1	38 0	21 2	39 2	32 2
21	38 7	29 6	46 0	27 0	37 4	25 5	33 1	25 7	40 3	25 7	42 6	31 8
22	38 0	33 1	47 9	26 2	38 5	22 5	35 4	26 3	41 2	25 4	41 6	39 0
23	42 0	31 6	50 0	23 7	36 5	28 6	35 7	25 0	45 7	27 2	46 1	41 2
24	39 4	35 0	46 8	26 8	38 0	26 8	32 2	29 1	45 0	30 1	50 1	36 9
25	42 0	35 8	46 4	27 1	37 8	28 4	36 4	31 9	46 4	32 2	48 8	34 4
26	44 3	34 6	44 5	26 1	37 8	30 2	36 9	31 0	45 8	27 8	45 2	31 0
27	45 5	32 5	45 3	23 0	36 8	28 2	37 3	30 1	68 9	4 41	42 2	31 4
28	41 5	28 1	39 0	27 5	40 2	29 5	37 9	34 6	61 9	16 2	38 8	26 4
29	42 3	29 6	38 3	27 7	41 9	23 3	38 4	29 1	52 9	17 5	40 4	24 9
30	39 6	27 9	37 5	24 4	39 8	22 5	39 6	28 2	47 0	16 4	42 3	25 4
31	-----	-----	34 6	23 1	-----	-----	35 4	27 7	42 7	20 0	-----	-----

2-2828 Middle River Canal at U S Highway 1, near Fort Lauderdale, Fla

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	43 4	29 6	54 2	23 1	39 2	30 5	40 4	28 9	42 1	32 5	36 1	28 1
2	45 2	30 8	49 8	22 2	41 4	30 9	42 8	29 1	41 7	30 8	41 9	32 5
3	45 4	35 4	47 6	29 3	45 4	28 2	39 4	30 5	44 0	30 5	43 2	33 2
4	47 7	38 1	49 1	30 1	46 2	24 5	37 5	33 6	41 7	30 9	43 3	31 7
5	47 7	38 2	49 5	28 5	41 6	24 1	38 3	29 1	42 8	31 3	42 2	31 4
6	51 0	37 0	45 3	28 5	38 0	21 1	40 9	27 8	44 5	30 8	44 2	32 8
7	48 2	39 3	38 7	23 2	35 9	19 5	38 3	28 2	44 3	24 1	42 4	30 0
8	46 0	37 8	40 5	19 2	34 9	18 8	41 0	24 3	43 4	16 8	42 2	25 2
9	46 1	34 5	43 9	10 8	37 1	17 6	40 1	19 2	36 0	23 6	41 1	24 3
10	45 0	31 7	40 2	10 3	34 0	15 3	40 8	18 9	43 2	20 5	40 8	21 9
11	42 3	33 9	38 6	9 54	34 0	15 9	42 1	21 1	43 0	26 0	40 6	22 8
12	37 9	28 0	39 2	8 48	34 5	15 8	42 2	21 9	44 7	30 6	38 3	27 0
13	32 5	24 0	41 4	9 01	37 6	18 5	38 2	26 6	46 3	31 7	39 2	32 0
14	30 8	26 0	40 5	12 7	37 0	24 2	45 1	33 2	44 2	37 3	43 3	33 4
15	32 6	19 6	41 7	18 4	37 6	22 9	44 5	37 3	48 7	36 1	47 2	37 4
16	35 4	16 8	46 4	23 4	41 4	33 5	45 2	39 4	50 1	38 5	48 4	36 1
17	37 8	20 3	46 2	31 1	49 8	40 8	46 0	39 2	50 8	39 2	49 4	39 5
18	39 5	23 0	47 2	35 5	49 3	37 9	46 6	39 2	52 2	36 9	50 7	34 6
19	40 4	24 4	49 6	38 1	48 5	44 2	47 3	40 2	52 4	35 8	48 6	31 2
20	40 8	25 2	50 6	41 4	52 0	40 3	47 9	41 8	48 2	31 0	48 5	27 8
21	40 0	28 0	51 0	40 1	52 0	39 8	46 7	36 1	47 0	27 5	41 8	25 9
22	38 3	31 0	53 3	37 6	52 7	37 6	44 9	32 5	40 1	19 0	39 3	25 2
23	42 9	30 0	55 7	33 1	48 8	34 9	45 7	27 1	44 8	16 5	36 4	19 8
24	42 0	24 5	53 7	26 9	48 0	31 3	38 5	22 9	41 2	16 1	35 1	17 1
25	40 6	20 7	49 8	20 7	45 9	24 8	35 7	18 8	40 6	11 7	33 4	17 4
26	42 2	21 0	48 4	21 6	40 6	24 4	34 1	20 4	36 6	9 9	31 1	14 9
27	44 1	21 8	47 3	19 7	44 2	23 2	35 4	19 6	34 4	14 3	30 0	17 1
28	59 9	13 8	45 3	21 6	40 3	25 2	32 6	26 1	36 0	21 8	30 8	21 6
29	58 0	10 6	46 7	20 0	38 2	21 3	35 4	25 7	-----	-----	31 7	24 6
30	54 2	11 7	39 8	26 4	38 6	25 4	37 8	28 4	-----	-----	34 5	29 7
31	54 6	14 3	-----	-----	37 3	28 1	35 9	29 5	-----	-----	36 3	33 8
April		May		June		July		August		September		
1	39 0	34 7	46 4	35 6	47 8	36 5	51 3	36 1	58 3	35 7	40 7	32 1
2	39 9	34 7	48 0	36 0	47 9	36 7	52 1	34 0	55 9	31 6	37 8	30 1
3	46 7	36 4	46 8	35 5	48 7	34 1	50 6	33 9	52 6	27 9	34 1	33 8
4	48 8	36 8	48 6	34 9	48 7	32 2	46 4	31 1	50 3	25 3	33 7	30 1
5	49 7	29 9	48 0	31 1	45 7	34 4	45 1	30 7	47 8	23 8	32 4	32 4
6	42 0	26 9	48 1	25 9	45 9	31 5	42 3	32 1	46 7	23 9	31 9	33 5
7	40 3	23 3	46 8	27 7	45 8	29 1	40 1	37 4	42 5	27 5	31 2	49 3
8	36 3	25 2	42 4	27 5	48 9	30 4	39 8	34 2	41 9	27 2	57 6	54 3
9	35 9	22 4	42 0	31 2	45 0	29 7	40 4	37 0	40 6	30 8	57 8	32 4
10	35 9	32 0	44 9	34 5	49 0	25 7	40 2	34 0	42 0	32 1	51 8	37 9
11	39 2	34 1	44 2	32 7	46 6	27 0	39 3	34 6	44 7	31 4	51 4	39 9
12	42 7	36 6	43 3	34 6	45 0	23 5	39 0	35 0	45 4	31 5	50 3	37 1
13	43 4	37 4	42 0	34 7	42 9	25 9	39 0	31 0	48 2	32 4	49 7	37 3
14	45 5	38 8	45 2	33 8	43 1	27 5	39 5	27 8	45 4	34 1	48 0	39 9
15	47 2	38 6	46 2	33 9	42 4	26 7	40 3	32 0	47 4	34 5	51 9	34 7
16	48 7	33 9	46 0	31 8	41 1	25 8	41 8	28 4	46 8	31 6	50 8	33 1
17	49 3	33 5	44 6	29 3	39 7	23 1	43 0	24 1	45 2	31 0	47 7	23 8
18	51 1	31 0	44 5	25 7	36 1	21 9	46 2	20 3	48 2	26 5	43 3	29 2
19	48 7	27 8	43 9	24 6	43 1	16 9	50 3	18 9	42 6	27 3	44 5	28 0
20	43 7	22 9	38 6	21 0	41 6	14 2	58 2	17 0	43 7	29 0	44 5	33 7
21	37 6	17 4	36 3	18 4	41 6	14 1	54 4	15 2	41 3	27 2	44 4	42 9
22	33 5	16 9	37 2	14 3	43 1	14 7	50 1	14 5	43 0	31 3	47 6	47 4
23	32 7	16 2	33 5	17 6	43 5	21 8	47 9	15 0	44 4	34 9	55 3	49 2
24	31 8	14 7	35 8	18 2	42 2	25 4	56 0	16 8	45 2	43 5	54 8	50 6
25	36 9	16 5	39 8	22 1	43 4	25 8	76 0	17 7	47 7	48 8	55 6	50 6
26	34 4	21 8	36 5	25 3	44 2	29 6	93 0	19 3	50 6	47 9	56 5	46 8
27	38 2	25 2	39 2	27 7	48 3	30 6	84 2	22 8	50 5	49 9	51 3	47 2
28	38 1	27 8	42 2	28 8	46 6	32 8	53 4	41 7	50 4	47 6	52 3	38 2
29	41 2	33 8	42 1	31 8	50 9	32 9	53 7	46 4	49 5	45 2	47 0	36 9
30	41 7	38 0	42 5	34 2	50 3	36 6	54 6	45 2	48 9	47 5	42 1	32 4
31	-----	-----	46 5	34 6	-----	-----	56 8	43 1	48 0	37 4	-----	-----

2-2832 Plantation Road Canal at S-33, near Fort Lauderdale, Fla

Location --Lat 26°08'05", long 80°11'42" in SW¼ sec 31, T 49 S, R 42 E, 15 ft streamward from left bank, 130 ft upstream from salinity-control structure 33, 0.5 mile east of bridge on U S Highway 441, 3 miles above mouth, and 4 miles west of Fort Lauderdale, Broward County

Records available --October 1955 to February 1962 (gage heights only), March 1962 to September 1965 Published since October 1961

Gage --Water-stage recorder and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Extremes --Maximum and minimum discharges for the period March 1962 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1962	July 12, 1962	438	a 4 64	Many days	0	b 0 15
1963	Feb 16, 1963	490	c 4 55	do	0	d 29
1964	Nov 28, 1963	468	e 4 03	Aug 27, 1964	-53	f 13
1965	Oct 11, 1964	340	g 4 56	Sept 8, 1965	-157	h 58

a Occurred Apr 11, 1962 b Occurred Apr 10, 1962 c Occurred Sept 10, 1963 d Occurred Feb 17, 1965 e Occurred Nov 14, 1963 f Occurred Aug 28, 1964 g Occurred Sept 8, 1964 h Occurred Oct 19, 1964

Note --Negative figures indicate reverse flow

1956-65 Maximum gage height, 6 05 ft Apr 19, 1957, minimum gage height, -0 82 ft Mar 4, 1958

1962-65 Maximum discharge, 480 cfs Feb 16, 1963, maximum reverse flow, 157 cfs Sept 8, 1965

Remarks --Records good Flow is at times affected by tide and is occasionally reversed Flow is regulated by operation of salinity-control structure 33 Records of chemical analysis for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Cooperation --Gage-height and S-33 gate-operation records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						-	15	0	0	44	45	40
2						-	32	0	0	54	42	37
3						-	9 0	0	0	51	42	38
4						-	0	0	0	47	41	39
5						-	0	0	0	48	41	34
6						-	0	0	0	48	47	36
7						-	0	0	0	64	45	35
8						-	0	0	0	69	43	31
9						-	41	0	0	66	42	31
10						-	37	0	0	62	46	32
11						-	18	0	0	66	46	32
12						-	48	0	0	136	47	31
13						-	46	0	0	95	57	28
14						-	21	0	0	53	64	28
15						-	10	0	0	53	66	39
16						-	17	0	0	49	29	53
17						-	32	0	0	47	24	53
18						-	23	0	9.0	47	32	53
19						-	0	0	0	26	40	51
20						-	0	0	0	46	37	70
21						-	0	0	39	31	32	86
22						-	0	0	66	40	28	34
23						-	0	0	31	38	26	38
24						-	0	0	40	34	25	54
25						-	0	0	37	33	22	54
26						-	0	0	32	34	25	46
27						-	0	0	28	32	34	41
28						-	0	0	28	28	60	38
29					-----	0	0	0	28	27	41	37
30					-----	0	0	0	35	27	45	38
31		-----			-----	0	-----	0	-----	40	48	-----
TOTAL						-	349.0	0	373.0	1,535	1,262	1,257
MEAN						-	11.6	0	12.4	49.5	40.7	41.9
MAX						-	48	0	66	136	66	86
MIN						-	0	0	0	26	22	28
AC-FT						-	692	0	740	3,040	2,500	2,490

2-2832 Plantation Road Canal at S-33, near Fort Lauderdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	0	0	0	0	0	0	0	41	32	12	0
2	54	0	0	0	0	0	0	0	28	27	13	0
3	48	0	0	0	0	0	0	21	22	23	14	0
4	46	0	0	0	0	0	0	0	18	22	14	0
5	41	0	0	0	1.0	0	0	0	16	28	15	0
6	45	0	0	0	0	0	0	0	14	26	6.0	0
7	45	0	0	0	0	0	0	0	20	23	0	0
8	40	0	0	0	0	0	0	0	21	19	0	0
9	34	0	0	0	0	0	0	0	20	19	0	0
10	32	0	0	0	0	0	0	0	27	21	0	0
11	29	0	0	0	0	0	0	0	33	20	0	0
12	28	0	0	0	53	0	0	0	37	19	0	0
13	26	0	0	0	17	0	0	0	36	21	0	0
14	25	0	0	0	0	0	0	0	34	20	0	0
15	28	0	0	0	0	0	0	0	34	18	0	0
16	28	0	0	0	31	0	0	0	39	14	0	0
17	27	0	0	0	36	0	0	0	44	13	0	59
18	34	0	0	0	0	0	0	0	44	12	0	64
19	11	0	0	0	0	0	0	0	40	10	0	58
20	0	0	0	0	3.0	0	0	0	32	12	0	63
21	0	0	0	0	0	0	0	0	28	13	2.0	71
22	0	0	0	0	0	0	0	0	28	12	0	43
23	0	0	0	0	0	0	0	0	28	13	0	79
24	0	0	0	0	0	0	0	0	23	11	0	71
25	0	0	0	0	0	0	0	0	22	10	0	87
26	0	0	0	0	0	0	0	0	28	9.0	0	58
27	0	0	0	0	0	0	0	0	31	9.0	0	31
28	0	0	0	0	0	0	0	0	31	10	0	36
29	0	0	0	0	-----	0	0	0	34	10	0	45
30	0	0	0	0	-----	0	0	0	34	8.0	0	44
31	0	-----	0	0	-----	0	-----	28	-----	10	0	-----
TOTAL	666	0	0	0	141.0	0	0	49	887	514.0	76.0	809
MEAN	21.5	0	0	0	5.0	0	0	1.58	29.6	16.5	2.45	27.0
MAX	54	0	0	0	53	0	0	28	44	32	15	87
MIN	0	0	0	0	0	0	0	0	14	8.0	0	0
AC-FT	1,320	0	0	0	280	0	0	97	1,760	1,020	151	1,600
CAL YR 1962	TOTAL	3,142.00		MEAN	8.61		MAX	87		MIN	0	
WAT YR 1963	TOTAL							AC-FT	6,230			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	43	20	47	18	17	7.0	9.0	31	25	14	19	46
2	72	22	40	21	16	7.0	6.0	41	25	13	18	40
3	132	20	4.0	20	15	8.0	5.0	40	27	12	12	37
4	101	16	3.0	29	18	10	4.0	37	29	12	0	35
5	77	19	2.0	35	32	14	5.0	35	31	12	0	33
6	66	28	1.0	36	37	16	5.0	32	26	13	0	31
7	63	34	1.0	36	4.0	16	4.0	30	35	15	0	30
8	64	20	1.0	36	7.0	15	3.0	28	57	16	0	29
9	36	0	2.0	33	6.0	15	2.0	26	73	20	0	25
10	35	0	11	28	5.0	15	4.0	25	80	22	0	23
11	45	0	14	24	5.0	14	12	23	45	22	0	26
12	49	0	14	23	4.0	14	14	22	28	23	0	28
13	47	0	15	28	3.0	14	15	22	29	22	0	27
14	46	0	15	21	5.0	13	15	31	28	21	0	25
15	60	0	16	22	6.0	13	15	45	28	20	0	25
16	65	0	16	23	7.0	13	15	45	26	20	0	29
17	43	0	19	22	7.0	13	15	37	25	21	0	35
18	34	0	19	21	4.0	13	13	34	23	22	0	37
19	30	0	16	19	5.0	13	13	32	22	22	0	35
20	34	0	12	19	5.0	13	10	55	20	22	0	34
21	40	0	11	19	7.0	14	8.0	57	20	20	0	31
22	41	0	16	20	6.0	14	7.0	52	19	18	0	29
23	34	0	16	20	5.0	13	5.0	48	19	18	0	28
24	23	0	16	18	6.0	12	4.0	44	18	17	0	27
25	26	0	16	16	7.0	12	3.0	41	18	16	0	25
26	28	0	14	14	8.0	12	3.0	39	18	16	42	24
27	31	0	15	13	8.0	10	3.0	36	17	14	136	25
28	28	0	15	11	8.0	10	3.0	32	16	14	54	24
29	25	34	16	7.0	7.0	10	15	31	15	16	40	24
30	25	54	17	4.0	-----	11	32	29	14	18	49	23
31	23	-----	39	17	-----	9.0	-----	27	-----	20	49	-----
TOTAL	1,466	267	459.0	673.0	270.0	383.0	267.0	1,107	856	551	419	890
MEAN	47.3	8.90	14.8	21.7	9.31	12.4	8.90	35.7	28.5	17.8	13.5	29.7
MAX	132	54	47	36	37	16	32	57	80	23	136	46
MIN	23	0	1.0	4.0	3.0	7.0	2.0	22	14	12	0	23
AC-FT	2,910	530	910	1,330	536	760	530	2,200	1,700	1,090	831	1,770
CAL YR 1963	TOTAL	4,668.00		MEAN	12.8		MAX	132		MIN	0	
WAT YR 1964	TOTAL	7,908.00						AC-FT	9,260			



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2832 Plantation Road Canal at S-33, near Fort Lauderdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

BOSTON RED SOX 1964 YEAR-BY-SEASON RHYTHM BETWEEN 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	23	22	10	11	27	8.0	1.0	0	33	57	21
2	25	21	22	11	12	26	7.0	0	0	31	62	20
3	25	30	24	11	12	25	7.0	0	0	30	72	20
4	24	29	19	10	12	25	6.0	0	0	29	70	23
5	24	28	17	10	12	24	6.0	0	0	28	62	28
6	23	27	16	11	12	23	5.0	0	0	26	46	44
7	24	25	14	10	16	21	5.0	0	0	25	40	20
8	25	24	14	11	18	20	5.0	0	0	25	37	24
9	24	23	14	10	18	20	5.0	0	0	24	35	41
10	23	22	13	10	18	19	5.0	0	0	23	34	34
11	40	23	12	10	17	19	4.0	0	0	24	34	31
12	136	22	12	10	16	18	4.0	0	0	24	34	30
13	108	22	11	10	16	18	4.0	0	0	28	32	26
14	97	20	10	10	16	17	4.0	0	49	32	31	25
15	105	20	10	10	14	16	4.0	0	57	33	30	24
16	75	19	9.0	11	14	16	4.0	0	45	34	31	25
17	65	18	9.0	12	14	16	3.0	0	41	38	30	27
18	58	7.0	10	12	14	15	3.0	0	42	42	29	27
19	45	8.0	12	12	14	14	3.0	0	57	46	28	26
20	28	9.0	12	13	13	14	2.0	0	69	53	29	23
21	34	9.0	13	13	13	14	2.0	0	59	66	28	21
22	34	14	13	14	13	13	2.0	0	54	66	27	20
23	33	27	12	14	28	13	2.0	0	50	62	26	21
24	31	24	12	11	33	13	2.0	0	47	58	25	21
25	30	21	12	9.0	33	12	2.0	0	44	54	24	20
26	29	19	12	8.0	31	11	2.0	0	41	51	23	22
27	28	22	12	7.0	29	11	1.0	0	38	48	22	25
28	67	24	10	8.0	28	10	1.0	0	36	57	23	24
29	84	22	9.0	9.0	-----	9.0	1.0	0	34	61	22	23
30	75	26	10	11	-----	8.0	1.0	0	34	59	23	22
31	63	-----	10	13	-----	8.0	-----	-----	-----	59	22	-----
TOTAL	1,505	628.0	407.0	331.0	497	515.0	110.0	1.0	797	1,269	1,088	763
MEAN	48.5	20.9	13.1	10.7	17.8	16.6	3.67	.032	26.6	40.9	35.1	25.4
MAX	136	30	24	14	33	27	8.0	1.0	69	66	72	49
MIN	23	7.0	9.0	7.0	11	8.0	1.0	0	0	23	22	20
AC-FT	2,990	1,750	807	657	986	1,020	218	2.0	1,580	2,520	2,160	1,510
CAL YR	1964:	TOTAL	7,956.00	MEAN	21.7	MAX	136	MIN	0	AC-FT	15,780	
WAT YR	1965:	TOTAL	7,911.00	MEAN	21.7	MAX	136			AC-FT	15,690	

2-2835 North New River Canal below HGS-4, near South Bay, Fla

Location --Lat 26°41'50", long 80°42'50" in SW 1/4 sec 35, T 43 S, R 36 E, 30 ft from west bank, 800 ft downstream from Hillsboro Canal, 1,600 ft downstream from hurricane gate structure No. 4 and pump structure No. 2 at Lake Okeechobee, and 2 1/2 miles north of South Bay, Palm Beach County

Records available --February 1957 to September 1965

Gage --Digital water-stage and deflection meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Jan 18, 1965, graphic water-stage and deflection meter recorder at same site and datum

Average discharge --8 years, 57.3 cfs (41,480 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 3, 1961	2,510	a 13 62	Aug 26, 1961	-3,030	b 10 21
1962	Sept 28, 1962	2,180	d 14 09	Sept 28, 1962	-3,400	c 10 06
1963	Apr 11, 1963	2,030	e 13 49	Feb 17, 1963	-2,500	f 9 12
1964	Nov 2, 1963	935	f 13 54	Feb 4, 1964	-2,100	g 9 81
1965	May 30, 1965	1,460	h 13 26	July 14, 1965	-2,520	i 9 78

a Occurred Oct 18, 1960 b Occurred Oct 3, 1960 c Occurred June 8, 1962 d Occurred May 3, 1963  
 e Occurred Sept 26, 1963 (estimated) f Occurred Apr 28, 1964 g Occurred Oct 7, 1963  
 h Occurred July 20, 1965 i Occurred Sept 8, 1965

Note --Negative figures indicate flow toward Lake Okeechobee

1957-65 Maximum discharge, 2,510 cfs Apr 3, 1961, maximum gage height, 14.09 ft Sept 28, 1962, maximum reverse flow, 3,470 cfs July 25, 1959, minimum gage height, 8.60 ft Sept 23, 1960

Remarks --Records good prior to Oct 1, 1963, fair thereafter. Flow regulated by hurricane gate and pump station at Lake Okeechobee. Flow occasionally reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-2,700	-671	0	426	490	469	227	435	142	363	416	288
2	-2,310	-801	119	440	530	574	528	536	226	331	338	268
3	-994	-15	92	492	412	542	591	442	160	356	317	243
4	-1,510	-445	302	768	89	533	609	686	635	367	416	210
5	-719	241	323	913	242	554	545	404	495	168	318	179
6	-779	188	323	836	264	574	482	400	458	264	298	188
7	-1,230	200	284	777	390	551	361	360	458	287	318	205
8	-1,280	217	303	777	413	586	362	470	416	368	475	149
9	-1,050	221	226	-246	408	606	259	462	111	318	438	-23
10	-1,130	239	242	101	492	572	398	447	185	293	416	0
11	-1,050	176	182	-98	509	606	451	608	231	161	417	0
12	-794	81	201	67	467	524	460	618	234	40	382	0
13	-810	0	221	-350	494	501	566	567	277	39	422	0
14	-935	95	213	-189	515	617	564	700	324	301	331	397
15	-1,380	136	213	-42	453	541	500	592	343	436	223	465
16	-1,380	269	205	83	492	573	488	560	258	394	35	320
17	-702	173	242	514	449	531	543	560	317	407	11	338
18	-152	296	244	580	430	438	540	502	315	288	14	320
19	-725	215	284	600	428	414	577	468	468	311	284	380
20	-851	135	375	717	408	534	560	520	478	-97	254	440
21	-566	40	545	412	426	577	561	520	498	-393	269	400
22	-585	137	563	414	408	558	554	500	540	196	315	378
23	-644	-37	632	711	406	593	554	458	525	283	230	376
24	-248	136	683	600	409	635	625	508	288	261	247	137
25	-230	0	662	704	530	673	640	456	506	195	161	418
26	-19	0	621	621	571	653	700	-321	344	160	-439	462
27	135	24	601	562	510	650	696	-1,610	201	320	-1,140	460
28	198	40	515	533	469	609	659	-1,790	174	265	-1,200	422
29	90	40	516	510	-----	626	639	-1,370	-180	295	-790	369
30	233	64	557	554	-----	603	536	-1,230	357	284	-277	440
31	-27	-----	472	533	-----	566	-----	-408	-----	341	128	-----
TOTAL	-24144	1,790	11,139	13,470	12,104	17,627	15,777	6,120	9,784	7,604	3,627	8,429
MEAN	-779	59.7	359	435	432	569	526	197	326	245	117	281
MAX	233	296	683	913	571	700	700	635	436	475	465	465
MIN	-2,700	-801	0	-350	89	414	227	-1,790	-180	-393	-1,200	-23
AC-FT	-47,890	3,350	22,090	26,720	24,010	34,960	31,290	12,140	19,410	15,080	7,190	16,720
CAL YR 1960	TOTAL 10,120			MEAN 27.7		MAX 860	MIN -3,070	AC-FT 20,060				
MAY YR 1961	TOTAL 83,327			MEAN 228		MAX 913	MIN -2,700	AC-FT 165,300				

Note --Negative figures indicate flow towards Lake Okeechobee

2-8835 North New River Canal below HGS-4, near South Bay, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	438	300	286	222	290	244	124	312	221	-370	290	-660
2	438	272	282	372	253	234	372	361	332	-344	251	-813
3	438	310	301	314	290	295	387	377	237	-718	308	-852
4	438	285	340	313	288	229	329	300	316	-667	318	-647
5	438	272	302	201	252	211	238	189	267	-476	308	-508
6	455	274	304	127	252	294	23	216	269	-425	274	-321
7	455	314	359	276	290	282	204	292	253	-237	336	-377
8	394	273	361	350	268	209	-368	266	173	103	325	-382
9	416	309	284	278	224	186	-346	330	188	-230	317	-508
10	433	226	244	294	400	222	-86	363	158	-908	318	-460
11	433	288	226	372	391	221	-238	346	111	-877	291	-49
12	437	288	207	337	253	203	0	363	63	-768	274	283
13	235	290	282	298	251	289	450	380	57	-551	239	-33
14	285	290	301	239	268	256	458	328	-350	-452	310	-333
15	436	288	338	239	285	169	359	262	-691	-418	118	-169
16	317	288	280	276	222	302	415	377	-1,010	-418	69	-308
17	374	277	242	370	285	329	310	328	-896	-294	81	-738
18	262	286	260	294	230	275	321	279	-616	171	241	-938
19	265	304	296	272	194	220	355	326	-481	-31	302	-87
20	468	304	355	294	301	184	317	342	-498	290	242	-1,990
21	414	346	340	239	211	166	269	294	-598	350	264	-2,370
22	392	224	243	183	158	266	267	389	-867	292	329	-1,980
23	468	247	298	183	110	307	250	373	-724	310	432	-1,600
24	429	346	381	256	158	299	336	325	-571	325	321	-1,360
25	431	306	378	256	192	-25	231	296	-468	316	383	-701
26	429	304	298	174	157	-506	262	318	-398	310	134	-345
27	413	304	296	163	157	-252	349	318	-157	352	391	-216
28	312	302	347	274	157	-173	248	269	-66	308	-1,030	-246
29	197	304	356	370	-----	-258	248	316	216	347	-1,250	-189
30	165	302	333	293	-----	-185	297	314	199	341	-1,630	-338
31	324	-----	258	255	-----	-258	-----	314	-----	375	-996	-----
TOTAL	11,827	8,723	9,380	8,384	6,787	3,998	6,344	9,874	-5208	-3994	1,178	-19625
MEAN	382	291	303	270	242	129	211	319	0	0	38.0	0
MAX	468	346	381	372	400	329	458	389	332	375	432	283
MIN	165	224	207	127	110	-506	-368	189	-1,010	-908	-1,630	-2,370
AC-FT	23,460	17,300	18,600	16,630	13,460	7,930	12,580	19,580	-10,330	-7,920	2,340	-38,930
CAL YR 1961	TOTAL	124,472	MEAN	341	MAX	913	MIN	-1,790	AC-FT	246,900		
MAT YR 1962	TOTAL	37,669	MEAN	103	MAX	468	MIN	-2,370	AC-FT	74,720		

Note --Negative figures indicate flow towards Lake Okeechobee

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-266	193	124	170	61	106	482	667	-191	269	478	249
2	49	40	124	170	64	24	499	571	197	233	462	218
3	-215	-153	101	170	64	40	496	4 0	220	263	340	168
4	-481	-151	39	134	79	65	527	-623	-109	338	239	250
5	-147	-135	39	169	-12	64	454	-557	23	312	306	218
6	-89	-150	54	170	-17	79	439	199	218	321	406	235
7	-38	-123	165	186	163	128	476	154	230	332	403	186
8	-21	-78	183	259	163	96	530	160	300	384	439	152
9	-166	8.0	183	14	163	24	476	190	293	504	487	119
10	-166	111	116	-140	152	63	476	330	309	575	487	118
11	23	102	148	-30	129	62	550	476	238	595	468	202
12	87	102	234	130	-408	249	476	442	270	634	434	167
13	146	23	269	163	-74	393	575	479	269	616	401	194
14	63	0	294	155	277	428	541	445	259	616	401	183
15	259	0	340	138	296	481	575	439	301	564	367	183
16	243	-181	292	137	-8.0	435	575	437	319	513	358	199
17	227	-152	208	137	-643	450	578	372	176	464	351	199
18	125	-121	120	83	0	447	629	357	137	445	334	216
19	192	0	153	64	-70	396	579	323	163	441	168	118
20	169	83	102	103	-56	447	629	338	284	527	-45	-35
21	146	-13	186	223	103	516	663	340	349	578	89	67
22	107	165	187	199	159	464	663	277	336	561	189	-149
23	159	128	203	139	187	428	659	310	355	561	236	-96
24	191	24	220	190	178	393	659	307	357	507	239	141
25	196	24	170	141	162	428	625	275	290	490	107	-778
26	120	24	221	196	-226	408	607	294	197	437	246	-746
27	215	0	255	239	-91	459	625	124	192	437	254	-515
28	194	39	256	295	196	442	608	117	305	487	220	-399
29	182	24	239	279	-----	509	625	-198	44	470	235	106
30	183	63	289	261	-----	619	646	-764	138	439	250	169
31	194	-----	238	244	-----	533	-----	-262	-----	442	232	-----
TOTAL	1,875	-111.0	5,710	4,788	991.0	9,676	16,942	6,023.0	6,466	14,355	9,579	1,339
MEAN	60.5	0	184	154	35.4	312	565	194	216	463	309	44.6
MAX	259	193	344	295	296	619	663	667	357	634	487	250
MIN	-481	-181	39	-140	-643	24	439	-764	-191	233	-45	-778
AC-FT	3,720	-220	11,330	9,500	1,970	19,190	33,600	11,950	12,830	28,470	19,000	2,660
CAL YR 1962	TOTAL	15,213	MEAN	41.7	MAX	458	MIN	-2,370	AC-FT	30,170		
MAT YR 1963	TOTAL	7,636	MEAN	213	MAX	667	MIN	-778	AC-FT	154,000		

Note --Negative figures indicate flow towards Lake Okeechobee

2-2835 North New River Canal below HGS-4, near South Bay, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	202	177	182	-1,260	302	214	181	-240	291	198	23	-255
2	189	298	165	-647	357	198	216	-648	269	122	0	66
3	-212	117	115	-176	212	249	183	-310	269	152	164	14
4	-43	82	180	-166	-110	267	231	79	272	192	235	-242
5	-140	83	140	-510	92	266	250	109	-89	112	218	-39
6	-196	165	197	157	-133	215	216	0	155	-159	218	-406
7	-20	66	180	277	-303	264	216	5.0	214	-301	160	-151
8	114	275	180	102	-56	232	230	-74	214	178	169	-510
9	221	239	160	141	-110	216	276	333	-275	-56	169	-470
10	310	-16	164	229	-40	797	288	333	210	44	169	-274
11	266	-863	163	239	112	299	303	356	-396	-126	48	21
12	266	-251	163	-305	64	336	270	340	180	-34	129	36
13	266	185	104	-526	63	209	268	374	260	103	-160	59
14	232	137	147	-213	95	167	270	96	246	240	129	129
15	249	107	230	-12	101	150	299	-48	203	39	216	-53
16	284	67	216	258	148	200	282	171	182	198	112	6.0
17	286	67	168	-70	172	254	238	182	151	-289	-15	-126
18	209	61	125	-125	-4.0	247	297	284	164	164	158	-54
19	267	66	-33	285	229	337	313	303	261	174	159	45
20	266	116	-36	76	107	206	264	304	272	248	58	92
21	249	116	84	158	81	194	263	322	238	185	152	0
22	249	113	116	232	221	-219	203	283	118	-108	-107	-107
23	148	148	116	217	235	-63	347	321	224	-611	-500	-73
24	-10	148	218	134	126	157	340	371	-69	-562	-186	133
25	148	166	191	29	132	187	290	458	-386	-371	145	51
26	148	83	112	156	186	200	-1.0	321	-81	-905	-874	-81
27	164	199	116	148	130	219	-504	105	-640	0	-59	-59
28	230	182	199	149	166	266	-511	154	39	-17	-279	-118
29	370	171	216	149	266	227	-70	215	154	24	-200	12
30	338	185	218	149	-----	201	-9.0	230	223	24	-40	61
31	216	-----	-1,150	157	-----	147	-----	228	-----	66	-26	-----
TOTAL	5,155	2,568	3,375	-286	2,798.0	6,339	5,544.0	5,371.0	3,393	-1342	-379	-2243.0
MEAN	166	85.6	109	0	96.5	204	187	165	113	0	0	0
MAX	370	298	230	341	357	337	347	458	291	248	235	133
MIN	-212	-363	-1,150	-1,260	-303	-219	-511	-648	-396	-905	-874	-510
AC-FT	10,220	5,090	6,690	-567	5,550	12,570	11,000	10,650	6,730	-2,660	-752	-4,450

CAL YR 1963 TOTAL 81,260 MEAN 223 MAX 667 MIN -1,150 AC-FT 161,200  
 MAY YR 1964 TOTAL 30,293 MEAN 82.8 MAX 458 MIN -1,260 AC-FT 60,090

Note --Negative figures indicate flow towards Lake Okeechobee

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	55	-501	-367	208	292	190	296	761	940	180	-602	204
2	117	-408	140	209	255	191	356	757	853	80	562	85
3	363	-130	-376	208	190	-280	493	791	865	340	827	191
4	362	-118	-36	161	355	-816	476	838	931	310	748	131
5	233	35	-1,100	214	320	-598	616	825	929	310	1,040	208
6	224	-187	-990	211	332	-302	731	838	928	310	528	-919
7	126	148	-485	258	-847	0	692	788	855	314	-193	-451
8	149	105	-21	230	-808	85	692	833	581	128	-125	-146
9	-8.0	192	-295	223	-609	84	642	833	18	54	-140	-523
10	0	175	-44	220	-607	0	692	782	-1,100	239	-416	-191
11	116	161	99	332	-103	-38	623	799	-794	-439	-529	129
12	-737	-51	185	418	190	-45	640	974	-631	-764	-483	74
13	-298	243	171	298	294	-30	679	962	-226	-723	-454	38
14	-902	208	69	390	291	22	805	841	-45	-641	-91	39
15	-1,760	209	197	340	341	153	748	744	-341	-507	-86	39
16	-230	200	183	240	294	293	739	757	-111	-531	-208	114
17	-1,470	2.0	176	160	292	363	818	905	-315	-453	138	231
18	-1,330	183	52	270	331	325	818	928	14	-319	222	173
19	-534	158	190	348	121	285	796	974	-336	-383	215	155
20	-112	171	158	315	86	361	731	922	-285	-1,040	238	183
21	-80	162	263	228	0	398	731	906	331	-1,310	201	125
22	216	90	259	139	86	363	805	934	426	-788	193	109
23	-67	158	137	87	-111	359	817	940	268	173	153	93
24	154	160	86	312	-391	391	805	905	-476	-376	136	-79
25	126	10	134	0	-163	391	805	865	-71	-376	136	-84
26	112	170	103	137	137	376	700	860	113	-525	130	-270
27	168	205	147	171	136	502	748	912	-107	-432	13	212
28	-927	209	28	171	137	480	835	973	32	-243	-395	173
29	-1,200	179	212	-39	-----	505	840	1,040	180	-432	-944	31
30	-820	172	127	242	-----	505	731	1,110	176	-449	-143	39
31	-355	-----	54	292	-----	440	-----	1,010	-----	-769	74	-----
TOTAL	-8309.0	2,426.0	-481	7,045	910	4,963	20,917	27,307	4,292	-9162	745	118
MEAN	-268	80.9	-15.5	227	32.5	155	675	881	143	-286	24.7	3.3
MAX	363	243	263	418	355	505	840	1,110	940	340	1,040	231
MIN	-1,760	-501	-1,100	0	-847	-816	296	744	-1,100	-1,310	-944	-919
AC-FT	-16,480	4,810	-954	13,970	1,800	9,840	41,490	54,160	8,510	-18,170	1,480	234

CAL YR 1964 TOTAL 12,831 MEAN 35.1 MAX 498 MIN -1,760 AC-FT 25,450  
 MAY YR 1965 TOTAL 50,771 MEAN 139 MAX 1,110 MIN -1,760 AC-FT 100,700

Note --Negative figures indicate flow towards Lake Okeechobee

2-2847 North New River Canal below S-34, near Fort Lauderdale, Fla

Location --Lat 26°08'43", long 80°26'25" in NW¼ sec 34, T 49 S, R 39 E, at 20-mile bend (Andytown), 25 ft from right bank, 400 ft east of intersection of U S Highway 27 and State Highway 84, 1,400 ft downstream from control structure 34, 14 miles upstream from salinity control dam, and 18 miles west of Fort Lauderdale, Broward County

Records available --January 1957 to September 1965 January 1955 to December 1956 (gage heights only), available in files of district office

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Florida State Road Department bench mark) Since Jan 26, 1955, water-stage recorder 200 ft upstream at same datum

Average discharge --8 years, 126 cfs (91,220 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the period January 1959 to September 1965 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1957	Sept 21, 1957	694	a 6 14	Many days	0	b 3 18
1958	Feb 3, 1958	726	c 6 69	do	0	d 4 22
1959	July 30, 1959	721	e 6 41	do	0	f 3 81
1960	Dec 1, 1959	728	g 6 67	do	0	h 3 57
1961	Nov 9, 1960	596	i 6 60	do	0	j 2 93
1962	(k)	-	m 5 14	(k)	-	n 2 74
1963	Apr 15, 1963	251	o 5 55	Many days	0	p 3 53
1964	Apr 4, 1964	58	q 5 56	do	0	r 3 50
1965	May 22, 1965	278	s 5 36	do	0	t 2 97

a Occurred Sept 27, 1957    b Occurred Mar 4, 1957    c Occurred Jan 24, 1958    d Occurred Oct 31, 1957    e Occurred June 20, 21, 1959    f Occurred Jan 10, 1959    g Occurred Sept 30, 1960    h Occurred Mar 24, 1960    i Occurred Oct 13, 1960    j Occurred June 1, 1961 (estimated)  
k No flow entire year, control closed    m Occurred Apr 12, 1962    n Occurred May 26, 1962  
o Occurred Sept 24, 1963    p Occurred Apr 14, 1963    q Occurred Oct 3, 1963    r Occurred June 1, 1964    s Occurred July 20, 1965    t Occurred Sept 7, 1965 (wind affected)

1955-65 Maximum daily gage height, 6 69 ft Jan 24, 1958, minimum daily, 2 74 ft May 26, 1962

1957-65 Maximum daily discharge, 728 cfs Dec 1, 1959, no flow for many days each year

Remarks --Flow regulated by gated-control structure 34 Records of chemical analyses for the water years 1962, 1964-65 are published in reports of the Geological Survey

Cooperation --Records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1957

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				94	214	0	0	0	0	0	0	0
2				92	212	0	0	0	0	0	0	0
3				96	211	0	0	0	0	0	0	0
4				106	210	0	0	0	0	0	0	0
5				111	210	0	54	0	0	0	0	0
6				106	209	0	124	0	0	0	0	0
7				105	208	0	117	0	0	0	0	0
8				121	206	0	113	0	0	0	0	0
9				118	204	0	108	0	0	0	0	126
10				110	204	0	104	0	0	0	0	369
11				108	204	0	147	0	0	0	0	369
12				114	203	0	41	0	0	0	0	367
13				115	201	0	0	0	0	0	0	368
14				115	200	0	0	0	0	0	0	369
15				115	191	0	0	0	0	0	0	367
16				106	160	0	0	0	0	0	0	365
17				112	147	0	0	0	0	0	0	370
18				123	148	0	0	0	0	0	0	373
19				132	152	0	0	0	0	0	0	372
20				133	152	0	0	0	0	0	0	537
21				142	169	0	0	0	0	0	0	694
22				184	200	0	0	0	0	0	0	692
23				196	200	0	0	116	0	0	0	688
24				198	196	0	0	67	0	0	0	684
25				208	74	0	0	0	0	0	0	678
26				209	0	0	0	0	0	0	0	674
27				211	0	0	0	0	0	0	0	662
28				214	0	0	0	0	0	0	0	668
29				218	0	0	0	0	0	0	0	672
30				220	0	0	0	0	0	0	0	676
31				218	0	0	0	0	0	0	0	676
TOTAL				4,450	4,685	0	808	183	0	0	0	11,140
MEAN				144	167	0	26.9	5.90	0	0	0	371
MAX				220	214	0	147	116	0	0	0	694
MIN				92	0	0	0	0	0	0	0	0
AC-FT				8,830	9,290	0	1,600	363	0	0	0	22,100

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1957 TO SEPTEMBER 1958

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1958 TO SEPTEMBER 1959												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	324	0	0	0	0	0	0	0	0	677	720	699
2	325	0	0	0	0	0	0	0	0	678	719	704
3	134	0	0	0	0	0	0	0	0	680	714	703
4	0	0	0	0	0	0	0	0	0	687	714	685
5	0	0	0	0	0	0	0	0	0	690	706	687
6	0	0	0	0	0	0	0	0	0	693	709	692
7	0	0	0	0	0	0	0	0	0	696	712	695
8	0	0	0	0	0	0	0	0	0	694	711	701
9	0	0	0	0	0	0	0	0	0	689	711	702
10	0	0	0	0	0	0	0	0	0	694	711	706
11	0	0	0	0	0	0	0	0	0	692	714	705
12	0	0	0	0	0	0	0	0	0	695	714	696
13	0	0	0	0	0	0	0	0	0	700	714	698
14	0	0	0	0	0	0	0	0	0	701	713	693
15	0	0	0	0	0	0	0	0	0	706	708	692
16	0	0	0	0	0	0	0	0	0	710	704	686
17	0	0	0	0	0	0	0	0	0	708	704	682
18	0	0	0	0	0	0	0	0	0	710	704	692
19	0	0	0	0	0	0	0	0	0	706	704	694
20	0	0	0	0	0	0	0	0	0	697	709	679
21	0	0	0	0	0	0	0	0	0	698	709	277
22	0	0	0	0	0	0	0	0	0	698	710	0
23	0	0	0	0	0	0	0	0	0	695	711	0
24	0	0	0	0	0	0	0	0	0	702	709	0
25	0	0	0	0	0	0	0	0	0	709	707	0
26	0	0	0	0	0	0	0	0	0	713	708	0
27	0	0	0	0	0	0	0	0	0	714	711	0
28	0	0	0	0	0	0	0	0	0	715	708	343
29	0	0	0	0	0	0	0	0	0	719	709	713
30	0	0	0	0	0	0	0	0	447	721	708	708
31	0	0	0	0	0	0	0	0	0	721	703	0
TOTAL	783	0	0	0	0	0	0	0	447	21,708	22,008	15,932
MEAN	25.3	0	0	0	0	0	0	0	14.9	700	710	531
MAX	325	0	0	0	0	0	0	0	447	721	720	713
MIN	0	0	0	0	0	0	0	0	0	677	703	0
AC-FT	1,550	0	0	0	0	0	0	0	887	43,060	43,650	31,600
CAL YR 1958: TOTAL	159,372.00			MEAN 437		MAX 726		MIN 0	AC-FT 316,100			15,932
WAT YR 1959: TOTAL	60,876.00			MEAN 167		MAX 721		MIN 0	AC-FT 120,700			531

2-2847 North New River Canal below S-34, near Fort Lauderdale, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	711	382	728	682	0	0	0	0	0	261	0	0
2	711	486	722	688	0	0	0	0	0	262	0	0
3	713	718	723	688	0	0	0	0	0	262	0	0
4	714	717	722	688	0	0	0	0	0	262	0	0
5	715	717	721	688	0	0	0	0	0	261	0	0
6	714	720	720	690	0	0	0	0	0	256	0	0
7	713	713	722	687	0	0	0	0	0	253	0	0
8	714	707	724	583	0	0	0	0	0	253	0	0
9	713	706	724	540	0	0	0	0	0	255	0	0
10	715	705	726	542	0	0	0	0	0	253	0	0
11	717	701	723	542	0	0	0	0	0	253	0	0
12	717	710	719	516	0	0	0	0	0	253	0	0
13	695	710	719	426	0	0	0	0	84	248	0	0
14	658	711	717	430	0	0	0	0	275	248	0	0
15	503	715	716	430	0	0	0	0	267	198	0	0
16	358	715	716	429	0	0	0	82	262	0	0	0
17	458	710	713	427	0	0	0	259	262	0	0	0
18	261	702	710	320	0	0	0	304	263	0	0	0
19	484	288	709	0	0	0	0	256	263	0	0	0
20	433	0	708	0	0	0	0	334	262	0	0	0
21	0	0	706	0	0	0	0	339	258	0	0	0
22	0	0	703	0	0	0	0	327	258	0	0	0
23	0	0	702	0	0	0	0	244	260	0	0	0
24	0	0	689	0	0	0	0	0	261	0	0	0
25	0	0	688	0	0	0	0	0	261	0	0	0
26	0	0	687	0	0	0	0	0	258	0	0	0
27	0	0	689	0	0	0	0	0	257	0	0	0
28	146	0	688	0	0	0	0	0	258	0	0	0
29	379	0	685	0	0	0	0	0	260	0	0	218
30	378	445	687	0	-----	0	0	0	260	0	0	337
31	381	-----	684	0	-----	0	-----	0	-----	0	0	-----
TOTAL	13,701	12,978	21,990	9,996	0	0	0	2,145	4,529	3,778	0	555
MEAN	442	433	709	322	0	0	0	69.2	151	122	0	18.5
MAX	717	720	728	690	0	0	0	339	275	262	0	337
MIN	0	0	684	0	0	0	0	0	0	0	0	0
AC-FT	27,180	25,740	43,620	19,830	0	0	0	4,250	8,980	7,490	0	1,100

CAL YR 1959: TOTAL 108,764.00 MEAN 298 MAX 728 MIN 0 AC-FT 215,700  
 WAT YR 1960: TOTAL 69,672.00 MEAN 190 MAX 728 MIN 0 AC-FT 136,200

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	358	584	0	0	0	0	0	0	0	0	0
2	62	356	588	0	0	0	0	0	0	0	0	0
3	67	359	591	0	0	0	0	0	0	0	0	0
4	70	361	591	0	0	0	0	0	0	0	0	0
5	71	364	591	142	0	0	0	0	0	0	0	0
6	223	366	588	169	0	0	0	0	0	0	0	0
7	306	367	570	0	0	0	0	0	0	0	0	0
8	304	471	568	0	0	0	0	0	0	0	0	0
9	306	596	566	0	0	0	0	0	0	0	0	0
10	420	588	566	0	0	0	0	0	0	0	0	0
11	566	588	562	0	0	0	0	0	0	0	0	0
12	565	588	554	0	0	0	0	0	0	0	0	0
13	562	585	475	0	0	0	0	0	0	0	0	0
14	562	584	342	0	0	0	0	0	0	0	0	0
15	564	581	346	0	0	0	0	0	0	0	0	0
16	566	579	351	0	0	0	0	0	0	0	0	0
17	566	579	355	0	0	0	0	0	0	0	0	0
18	569	584	352	0	0	0	0	0	0	0	0	0
19	572	593	386	0	0	0	0	0	0	0	0	0
20	573	593	458	0	0	0	0	0	0	0	0	0
21	573	588	425	0	0	0	0	0	0	0	0	0
22	573	579	412	0	0	0	0	0	0	0	0	0
23	574	584	356	0	0	0	0	0	0	0	0	0
24	496	584	349	0	0	0	0	0	0	0	0	0
25	319	581	349	0	0	0	0	0	0	0	0	0
26	321	581	349	0	0	0	0	0	0	0	0	0
27	322	584	350	0	0	0	0	0	0	0	0	0
28	335	584	350	0	0	0	0	0	0	0	0	0
29	338	584	204	0	-----	0	0	0	0	0	0	0
30	359	584	0	0	-----	0	0	0	0	0	0	0
31	359	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	12,181	15,873	13,128	311	0	0	0	0	0	0	0	0
MEAN	393	529	423	10.0	0	0	0	0	0	0	0	0
MAX	574	596	591	169	0	0	0	0	0	0	0	0
MIN	62	356	0	0	0	0	0	0	0	0	0	0
AC-FT	24,160	31,480	26,040	617	0	0	0	0	0	0	0	0

CAL YR 1960: TOTAL 62,185.00 MEAN 170 MAX 690 MIN 0 AC-FT 123,300  
 WAT YR 1961: TOTAL 41,493.00 MEAN 114 MAX 596 MIN 0 AC-FT 82,300

2-2847 North New River Canal below S-34, near Fort Lauderdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1961	TOTAL 311.00			MEAN 85	MAX 169	MIN 0	AC-FT 617					
WAT YR 1962	TOTAL 0			MEAN 0	MAX 0	MIN 0	AC-FT 0					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	197	0	0	158	0
2	0	0	0	0	0	0	0	167	0	0	139	0
3	0	0	0	0	0	0	0	55	0	0	136	0
4	0	0	0	0	0	0	0	0	0	0	134	0
5	0	0	0	0	0	0	0	0	0	0	135	0
6	0	0	0	0	0	0	0	0	0	0	147	0
7	0	0	0	0	0	0	0	0	0	0	137	0
8	0	0	0	0	0	0	0	0	0	0	138	0
9	0	0	0	0	0	0	0	0	0	0	148	0
10	0	0	0	0	0	0	0	0	0	0	230	0
11	0	0	0	0	0	0	0	0	0	0	179	0
12	0	0	0	0	0	0	0	0	0	0	139	0
13	0	0	0	0	0	0	0	0	0	0	142	0
14	0	0	0	0	0	0	51	0	0	0	145	0
15	0	0	0	0	0	0	251	40	0	0	145	0
16	0	0	0	0	0	0	163	117	0	0	144	0
17	0	0	0	0	0	0	177	93	0	0	142	0
18	0	0	0	0	0	0	154	117	0	0	139	0
19	0	0	0	0	0	0	126	117	0	0	51	0
20	0	0	0	0	0	0	125	117	0	0	0	0
21	0	0	0	0	0	0	126	118	0	0	0	0
22	0	0	0	0	0	0	143	118	0	0	0	0
23	0	0	0	0	0	0	137	117	0	0	0	0
24	0	0	0	0	0	0	154	111	0	0	0	0
25	0	0	0	0	0	0	157	69	0	0	0	0
26	0	0	0	0	0	0	139	0	0	0	0	0
27	0	0	0	0	0	0	186	0	0	0	0	0
28	0	0	0	0	0	0	193	0	0	0	0	0
29	0	0	0	0	0	0	145	0	0	30	0	0
30	0	0	0	0	0	0	159	0	0	156	0	0
31	0	0	0	0	0	0	0	0	0	195	0	0
TOTAL	0	0	0	0	0	0	2,586	1,553	0	381	2,716	0
MEAN	0	0	0	0	0	0	86.2	50.1	0	12.3	87.6	0
MAX	0	0	0	0	0	0	251	197	0	195	230	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	5,130	3,080	0	756	5,390	0
CAL YR 1962	TOTAL			MEAN 19.8	MAX 251	MIN 0	AC-FT 14,350					
WAT YR 1963	TOTAL 7,236.00			MEAN 19.8	MAX 251	MIN 0	AC-FT 14,350					



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2847 North New River Canal below S-34, near Fort Lauderdale, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	35	0	0	0	0	0
2	0	0	0	0	0	0	43	0	0	0	0	0
3	0	0	0	0	0	0	49	0	0	0	0	0
4	0	0	0	0	0	0	58	0	0	0	0	0
5	0	0	0	0	0	0	57	0	0	0	0	0
6	0	0	0	0	0	0	49	0	0	0	0	0
7	0	0	0	0	0	0	44	0	0	0	0	0
8	0	0	0	0	0	0	44	0	0	0	0	0
9	0	0	0	0	0	0	51	0	0	0	0	0
10	0	0	0	0	0	0	54	0	0	0	0	0
11	0	0	0	0	0	22	52	0	0	0	0	0
12	0	0	0	0	0	36	51	0	0	0	0	0
13	0	0	0	0	0	36	52	0	0	0	0	0
14	0	0	0	0	0	47	52	0	0	0	0	0
15	0	0	0	0	0	43	51	0	0	0	0	0
16	0	0	0	0	0	41	17	0	0	0	0	0
17	0	0	0	0	0	41	0	0	0	0	0	0
18	0	0	0	0	0	41	0	0	0	0	0	0
19	0	0	0	0	0	41	0	0	0	0	0	0
20	0	0	0	0	0	41	29	0	0	0	0	0
21	0	0	0	0	0	17	42	0	0	0	0	0
22	0	0	0	0	0	0	43	0	0	0	0	0
23	0	0	0	0	0	0	43	0	0	0	0	0
24	0	0	0	0	0	0	43	0	0	0	0	0
25	0	0	0	0	0	0	43	0	0	0	0	0
26	0	0	0	0	0	31	42	0	0	0	0	0
27	0	0	0	0	0	44	41	0	0	0	0	0
28	0	0	0	0	0	40	42	0	0	0	0	0
29	0	0	0	0	0	39	21	0	0	0	0	0
30	0	0	0	0	0	35	0	0	0	0	0	0
31	0	0	0	0	0	35	0	0	0	0	0	0
TOTAL	0	0	0	0	0	630	1,148	0	0	0	0	0
MEAN	0	0	0	0	0	20.3	38.3	0	0	0	0	0
MAX	0	0	0	0	0	47	58	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	1,250	2,280	0	0	0	0	0
CAL YR 1963	TOTAL	7,436.00	MEAN	19.8	MAX	58	MIN	0	AC-FT	14,350		
WAT YR 1964	TOTAL	1,778.00	MEAN	4.86	MAX	58	MIN	0	AC-FT	3,530		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	116	227	0	0	0
2	0	0	0	0	0	0	56	116	227	0	0	0
3	0	0	0	0	0	0	87	118	228	0	0	0
4	0	0	0	0	0	0	86	118	228	0	0	0
5	0	0	0	0	0	0	138	155	227	0	0	0
6	0	0	0	0	0	0	155	223	225	0	0	0
7	0	0	0	0	0	0	131	185	225	0	0	0
8	0	0	0	0	0	0	129	183	117	0	0	0
9	0	0	0	0	0	0	129	182	32	47	0	0
10	0	0	0	0	0	0	128	183	0	101	0	0
11	0	0	0	0	0	0	126	183	0	95	0	0
12	0	0	0	0	0	0	140	182	0	95	0	0
13	0	0	0	0	0	0	174	182	0	55	0	0
14	0	0	0	0	0	0	151	181	0	0	0	0
15	0	0	0	0	0	0	173	181	0	0	0	0
16	0	0	0	0	0	0	226	181	0	0	0	0
17	0	0	0	0	0	0	197	182	0	0	0	0
18	0	0	0	0	0	0	193	181	0	0	0	0
19	0	0	0	0	0	0	194	182	0	0	0	0
20	0	0	0	0	0	0	194	181	0	0	0	0
21	0	0	0	0	0	0	193	234	0	0	0	0
22	0	0	0	0	0	0	192	278	0	0	0	0
23	0	0	0	0	0	0	192	277	0	0	0	0
24	0	0	0	0	0	0	192	261	0	0	0	0
25	0	0	0	0	0	0	148	252	0	0	0	0
26	0	0	0	0	0	0	114	231	0	0	0	0
27	0	0	0	0	0	0	116	231	0	0	0	0
28	0	0	0	0	0	0	116	252	0	0	0	0
29	0	0	0	0	0	0	116	251	0	0	0	0
30	0	0	0	0	0	0	116	231	0	0	0	0
31	0	0	0	0	0	0	230	230	0	0	0	0
TOTAL	0	0	0	0	0	0	4,302	6,063	1,736	393	0	0
MEAN	0	0	0	0	0	0	143	196	57.9	12.7	0	0
MAX	0	0	0	0	0	0	226	278	228	101	0	0
MIN	0	0	0	0	0	0	0	116	0	0	0	0
AC-FT	0	0	0	0	0	0	8,530	12,030	3,440	780	0	0
CAL YR 1964	TOTAL 1,778.00			MEAN 4.86	MAX 58	MIN 0	AC-FT 3,530					
WAT YR 1965:	TOTAL 12,494.00			MEAN 34.2	MAX 278	MIN 0	AC-FT 24,780					

Location --Lat 26°05'39", long 80°13'48", in SW<sup>1</sup> sec 14, T 50 S, R 41 E, on right bank 20 ft upstream from lock and dam on State Highway 84 and 6 miles southwest of Fort Lauderdale, Broward County

Gage --Water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Apr 13, 1940, staff gage at same site and datum Auxiliary water-stage recorder at downstream end of lock chamber Aug 1, 1947, to July 20, 1950, at site 500 ft downstream Since Dec 9, 1959, deflection-meter recorder near left bank 20 ft upstream from lock and dam

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

1939-65 Maximum daily discharge, 3,280 cfs Nov 19, 1947, maximum gage height, 10 83 ft  
Oct 17, 1947, minimum daily discharge, 2 4 cfs May 21, 22, 1947, minimum gage height, 0 78 ft  
Dec 3, 1942  
Maximum discharge known, 5,400 cfs Oct 15, 1929 (gage height, 7 66 ft, present datum), from  
records by Everglades Drainage District

Remarks --Records fair Flow regulated at and above station by dams for irrigation, drainage, and flood and fire control Several small diversions above station for irrigation Since February 1952, flow materially affected by control structure at 20-mile bend, 14 miles upstream Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	659	873	1,130	458	367	177	309	94	502	299	149	447
2	709	822	1,050	456	354	172	385	95	331	287	156	417
3	751	863	1,100	436	351	174	335	104	255	296	170	386
4	799	840	1,090	431	340	180	313	120	348	285	175	370
5	773	826	1,090	408	345	174	246	143	334	259	188	361
6	941	811	1,080	538	304	174	208	141	285	237	182	337
7	1,120	818	1,160	437	316	173	222	121	276	248	174	263
8	1,180	820	1,130	414	340	184	223	102	290	259	166	266
9	1,150	1,030	1,120	411	315	186	218	103	388	266	168	303
10	1,130	1,170	1,130	474	294	178	215	136	469	280	188	297
11	1,330	1,150	1,080	511	314	166	196	141	432	293	166	269
12	1,300	1,170	1,120	512	319	155	177	127	418	279	82	233
13	1,300	1,150	1,080	759	300	172	177	124	391	255	74	233
14	1,300	1,110	1,050	833	282	174	137	98	374	230	76	250
15	1,480	1,100	907	900	249	192	166	114	361	252	76	234
16	1,430	1,120	882	777	276	195	183	112	353	252	88	274
17	1,350	1,110	776	794	266	195	170	100	352	245	102	288
18	1,270	1,190	835	792	258	185	163	98	344	239	198	268
19	1,230	1,150	823	754	259	197	151	99	276	205	253	269
20	1,170	1,130	793	702	272	195	158	83	164	207	365	268
21	1,120	1,070	803	335	272	190	152	97	225	195	471	219
22	1,070	1,100	752	302	280	289	147	97	202	191	471	187
23	1,090	1,100	322	286	285	148	91	210	156	203	471	187
24	1,120	1,120	804	377	172	246	141	96	198	150	497	212
25	911	1,130	803	382	191	220	103	116	215	168	444	206
26	897	1,120	801	377	197	214	74	280	210	188	409	169
27	853	1,140	780	377	190	202	60	210	194	194	406	168
28	837	1,160	751	381	196	196	850	269	168	168	436	67
29	635	1,170	734	391	-----	190	99	778	286	180	553	73
30	792	1,160	539	391	-----	184	94	634	303	169	537	91
31	820	-----	470	367	-----	176	-----	556	-----	160	491	-----
TOTAL MEAN	32,697 1,055	31,613 1,054	28,249 911	15,931 514	7,743 277	5,990 193	5,516 184	6,732 6,217	9,275 309	7,092 229	8,490 281	7,549 252
MAX MIN	1,480 659	1,190 811	1,160 470	952 302	367 172	289 155	385 74	850 83	502 164	299 150	174 74	471 67
AC-FT	64,850	62,700	56,030	31,600	15,360	11,880	10,940	13,350	18,400	14,070	16,840	14,970
CAL YR 1960:												
WAT YR 1961:												
TOTAL	230,388		260,877		MEAN 629		MAX 1,540		MIN 67		AC-FT 487,000	
					457		1,480				331,000	

## 2-2850 North New River Canal near Fort Lauderdale Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	132	70	18	15	16	14	14	32	19	195	176	466
2	149	64	18	14	16	12	15	31	20	439	180	451
3	149	63	17	15	16	13	14	32	20	393	145	429
4	182	54	17	17	16	15	14	33	20	370	144	399
5	228	36	17	17	16	15	14	34	20	356	134	170
6	290	30	18	18	16	16	13	51	20	356	131	367
7	263	38	18	18	15	14	13	61	20	361	125	333
8	217	39	16	18	16	13	14	45	21	353	115	296
9	199	38	17	17	16	15	14	40	23	397	101	269
10	226	31	17	17	16	15	15	26	28	397	108	240
11	227	30	17	16	16	15	32	26	28	436	104	223
12	226	30	17	17	15	15	32	25	28	373	114	219
13	227	46	17	16	16	14	72	25	28	385	171	224
14	226	46	17	17	16	13	97	25	28	435	172	238
15	199	48	16	18	16	12	70	25	29	451	199	326
16	180	48	16	19	16	12	58	24	119	433	229	340
17	173	48	16	18	16	14	43	24	181	418	240	290
18	169	48	16	18	16	15	44	20	319	407	240	275
19	161	48	16	18	16	14	39	19	404	393	241	248
20	111	47	16	18	16	14	39	19	405	372	295	373
21	95	46	16	18	15	14	38	19	398	361	352	464
22	115	46	16	17	15	13	38	19	406	364	385	422
23	109	49	16	17	15	11	32	19	370	328	372	394
24	87	47	16	17	15	13	32	19	361	296	345	382
25	50	46	16	17	15	14	32	18	342	301	347	172
26	50	34	16	17	13	14	32	18	319	279	345	350
27	45	34	16	17	14	14	43	18	297	227	393	344
28	35	28	16	17	14	14	35	19	154	146	417	312
29	49	28	14	17	-----	14	33	13	108	161	493	346
30	78	29	14	17	-----	14	38	18	163	164	495	382
31	77	-----	14	17	-----	14	-----	18	-----	170	495	-----
TOTAL	4,724	1,209	508	529	436	430	1,002	820	4,698	10,517	7,763	10,142
MEAN	152	43.0	16.4	17.1	15.6	13.9	33.4	26.5	157	339	250	338
MAX	290	70	18	19	17	16	97	61	406	451	466	466
MIN	45	28	13	14	11	11	13	19	19	101	101	219
AC-FT	9,370	2,560	1,010	1,050	865	853	1,990	1,630	9,320	20,860	15,400	20,120
CAL YR 1961	TOTAL 80,839			MEAN 221		MAX 952		MIN 13		AC-FT 180,300		
WAT YR 1962	TOTAL 42,858			MEAN 117		MAX 495		MIN 11		AC-FT 85,010		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	432	130	53	43	80	186	22	49	269	115	41	254
2	448	115	59	43	80	195	22	40	214	114	40	290
3	414	130	54	43	80	195	21	174	176	122	46	311
4	393	141	54	43	110	179	25	370	157	138	46	294
5	387	130	54	43	160	169	21	308	155	143	41	260
6	405	110	59	43	140	156	26	211	166	138	45	256
7	376	110	59	33	125	160	27	155	169	142	45	287
8	353	91	60	39	111	174	28	134	166	145	40	297
9	429	121	60	29	121	151	37	119	169	141	39	303
10	317	163	59	38	101	147	28	99	162	146	32	381
11	307	168	54	43	91	141	27	77	147	144	39	397
12	307	157	53	39	281	132	26	59	132	145	38	366
13	306	152	53	44	487	131	25	40	135	141	36	342
14	314	136	52	45	455	85	18	35	131	137	35	324
15	315	125	51	40	411	46	21	35	131	131	26	329
16	323	115	53	45	447	46	13	36	137	112	27	351
17	281	121	53	94	506	42	13	35	148	100	14	307
18	225	130	53	87	454	42	14	36	143	82	14	165
19	155	125	48	67	463	36	14	35	123	77	10	236
20	91	87	48	62	432	28	9.0	35	95	83	48	426
21	121	48	48	61	385	23	9.0	35	86	71	173	408
22	121	54	48	62	224	23	9.0	35	86	58	316	410
23	111	54	46	111	201	23	14	27	86	46	346	426
24	131	48	46	131	246	23	14	24	85	42	338	368
25	125	53	49	69	256	27	22	24	79	42	313	347
26	136	53	44	90	242	22	24	24	87	41	303	394
27	136	48	43	109	236	22	24	23	106	38	326	494
28	129	48	43	99	192	22	24	27	125	38	327	501
29	120	48	48	94	-----	27	48	22	141	37	308	478
30	120	49	49	90	-----	22	34	37	120	33	277	425
31	135	-----	43	89	-----	22	-----	229	-----	35	247	-----
TOTAL	7,864	3,060	1,600	1,973	7,095	2,697	676.0	2,599	4,126	2,977	3,971	10,427
MEAN	254	102	51.6	63.6	233	87.0	22.5	83.8	138	96.0	128	348
MAX	448	168	60	131	506	195	48	370	269	146	346	501
MIN	91	48	43	29	80	22	9.0	22	79	33	10	165
AC-FT	15,600	6,070	3,170	3,910	14,070	5,350	1,340	5,160	8,180	5,900	7,880	20,680
CAL YR 1962	TOTAL 48,861			MEAN 134		MAX 495		MIN 11		AC-FT 96,910		
WAT YR 1963	TOTAL 49,065.0			MEAN 134		MAX 506		MIN 9.0		AC-FT 97,320		

## 2-2850 North New River Canal near Fort Lauderdale Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	391	199	91	656	42	38	26	186	123	191	44	276
2	399	203	68	498	24	37	25	317	116	182	36	275
3	778	193	78	450	8.0	28	25	295	196	124	22	273
4	907	170	77	398	75	36	26	282	286	124	22	317
5	877	171	77	378	229	36	27	274	289	144	22	323
6	831	189	72	345	347	48	27	237	301	161	22	243
7	767	172	63	348	329	53	34	184	313	256	36	242
8	744	162	67	346	312	44	25	129	378	317	37	242
9	328	167	54	343	282	44	38	72	479	217	36	233
10	325	168	46	317	247	40	35	59	379	201	41	183
11	340	183	37	305	179	43	37	58	332	224	40	272
12	351	191	37	285	103	43	42	52	322	198	40	302
13	358	205	42	323	119	38	42	40	341	182	46	297
14	369	179	37	197	97	43	37	100	352	132	41	291
15	396	137	27	160	57	44	43	334	335	85	42	273
16	424	127	37	215	52	40	29	325	305	136	56	293
17	450	127	38	215	47	41	28	277	272	161	46	305
18	444	132	58	236	38	36	28	154	250	142	36	318
19	422	122	62	214	29	36	26	98	240	133	22	329
20	378	111	52	198	38	36	22	110	244	123	9.0	323
21	343	106	62	150	23	37	13	290	239	113	9.0	317
22	337	101	51	149	36	23	13	311	233	93	9.0	306
23	343	167	51	104	53	27	13	262	231	87	24	296
24	343	112	60	89	38	23	13	258	233	103	14	295
25	320	112	59	89	50	34	13	225	232	112	9.0	295
26	306	101	45	109	50	25	27	210	222	107	742	286
27	298	87	27	88	44	39	23	182	233	119	1,330	301
28	236	102	68	99	49	40	23	172	232	108	327	317
29	213	112	36	83	29	36	38	173	219	89	299	318
30	222	102	37	52	-----	36	74	174	209	75	314	346
31	197	-----	429	47	-----	35	-----	161	-----	70	260	-----
TOTAL	13,437	4,345	2,014	7,479	3,021.0	1,162	871	6,021	8,136	4,504	4,033.0	8,682
MEAN	434.5	145.0	65.0	247	104	37.5	29.0	194	265	145	130	289
MAX	907	205	429	656	347	53	74	334	479	317	1,330	346
MIN	197	87	27	47	8.0	23	13	40	116	70	9.0	183
AC-FT	26,650	8,620	3,990	14,830	5,990	2,300	1,730	11,940	16,140	8,930	8,000	17,220
CAL YR 1963	TOTAL	56,337.0	MEAN	154	MAX	907	MIN	9.0	AC-FT	111,700		
WAT YR 1964	TOTAL	63,705.0	MEAN	174	MAX	1,330	MIN	8.0	AC-FT	126,400		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	229	594	407	100	51	111	22	47	15	224	295	122
2	266	504	337	51	51	110	22	48	15	153	414	113
3	280	523	343	106	56	110	26	47	15	81	420	104
4	276	505	253	100	61	152	27	47	15	72	391	104
5	230	486	268	100	51	132	27	36	10	58	365	124
6	220	475	346	100	47	110	27	36	10	53	272	542
7	215	463	272	100	68	111	37	29	10	53	161	304
8	225	452	291	95	159	110	37	24	10	44	191	312
9	224	260	312	90	112	99	37	24	15	22	201	535
10	213	252	297	100	101	100	37	14	24	13	192	348
11	231	263	292	95	42	86	27	14	38	14	177	332
12	1,110	253	286	100	91	81	23	14	38	14	162	309
13	1,380	263	286	99	91	63	23	14	45	10	157	294
14	1,180	263	286	63	91	46	23	24	138	15	153	279
15	1,130	253	223	51	64	46	23	24	132	10	166	269
16	1,170	253	105	57	61	41	24	24	111	10	198	280
17	1,040	253	75	61	65	37	14	28	97	10	232	304
18	1,010	252	90	46	60	28	15	38	93	10	202	299
19	845	238	95	42	46	37	15	38	212	30	247	279
20	666	214	110	42	46	42	15	38	403	171	270	293
21	638	212	119	47	37	28	10	38	424	543	253	264
22	591	239	124	47	42	27	10	39	440	655	246	259
23	575	556	124	57	236	23	15	39	392	592	235	269
24	561	600	119	68	458	37	15	39	360	569	174	269
25	543	512	106	78	267	46	26	40	336	544	138	264
26	316	399	110	77	96	46	40	40	320	520	115	317
27	314	376	120	62	115	46	49	40	296	441	114	345
28	461	362	152	56	120	36	49	40	410	404	122	321
29	651	371	140	61	-----	27	49	40	360	413	128	309
30	622	480	109	56	-----	35	48	30	246	406	128	295
31	588	-----	99	61	-----	26	-----	25	-----	411	123	-----
TOTAL	18,002	11,185	6,296	2,318	2,835	2,029	812	1,015	5,030	6,565	6,742	8,448
MEAN	581	373	203	74.8	101	65.5	27.1	32.7	168	212	217	282
MAX	1,380	600	497	108	458	152	49	48	655	655	420	542
MIN	213	212	75	42	37	23	10	14	10	10	114	104
AC-FT	35,710	22,190	12,490	4,600	5,620	4,020	1,610	2,010	9,980	13,020	13,370	16,760
CAL YR 1964	TOTAL	79,392.0	MEAN	217	MAX	1,380	MIN	8.0	AC-FT	157,500		
WAT YR 1965	TOTAL	71,277	MEAN	195	MAX	1,380	MIN	10	AC-FT	141,400		

2-2854 South New River Canal at S-9, near Davie, Fla

Location --Lat 26°03'40", long 80°26'30", in SW¼ sec 27, T 50 S, R 39 E, 20 ft from south bank, 300 ft east of pump structure 9, half a mile west of U S Highway 27, and 13 miles west of Davie, Broward County

Records available --October 1957 to September 1965

Gage --Dual water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark) Prior to Oct 1, 1959, at datum 0 03 ft higher

Average discharge --8 years, 124 cfs (89,770 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 28, 1961	1,110	a 5 22	Nov 6, 1960	-580	b 1 01
1962	Sept 12, 1962	2,110	c 4 79	Nov 17, 1961	-781	d 07
1963	Sept 23, 1963	1,960	e 5 31	Dec 13, 1962	-1,030	e - 45
1964	Aug 28, 1964	2,130	f 5 86	Sept 3, 1964	-610	g - 15
1965	Oct 12, 1964	2,770	5 73	Many days	0	h - 13

a Occurred Nov 16, 1960

b Occurred Aug 18, 1961

c Occurred July 12, 1962

d Occurred

Sept 28, 1962 e Occurred May 3, 1963 f Occurred Aug 27, 1964 g Occurred May 22, 1964

h Occurred Oct 15, 1964

Note --Negative figures indicate reverse flow to the east

1957-65 Maximum discharge, 2,770 cfs Oct 12, 1964, maximum gage height, 5 86 ft Aug 27, 1964, maximum reverse flow, 1,030 cfs Dec 13, 1962, minimum gage height, -0 45 ft May 3, 1963

Remarks --Records good Flow is to the west but is briefly reversed at times by seepage after periods of pumpage Flow regulated by pumpage at S-9 and by pumpage into the canal from agricultural lands to the east during and after periods of heavy rainfall Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	654	559	0	0	0	0	54	0	117	0	0	94
2	850	625	0	0	0	0	0	0	88	0	0	0
3	796	280	0	0	0	0	0	0	0	73	0	0
4	750	201	0	0	0	0	0	0	0	0	0	0
5	816	94	0	0	0	0	-10	0	0	0	0	0
6	834	12	0	0	0	0	0	0	0	0	0	0
7	840	-73	0	0	0	0	0	0	0	0	0	0
8	824	41	0	0	0	0	0	0	0	0	0	52
9	752	-36	28	41	0	0	0	0	99	0	0	0
10	674	-95	0	43	0	17	0	0	0	0	0	0
11	597	-33	0	35	0	0	-13	0	130	0	0	0
12	619	-92	0	47	0	0	0	23	104	0	0	0
13	631	-106	0	374	0	0	0	0	0	0	0	0
14	677	-150	16	326	0	0	0	0	0	25	0	0
15	807	-241	10	190	0	0	0	0	0	0	0	0
16	704	149	0	52	0	0	0	0	0	0	0	0
17	676	108	0	39	17	0	0	0	0	0	0	0
18	501	78	0	0	0	0	0	0	0	0	269	0
19	439	112	0	0	0	0	0	0	0	0	148	0
20	405	35	0	0	0	0	0	0	0	9.0	356	0
21	408	68	0	0	0	0	0	0	0	0	357	0
22	470	0	26	0	0	0	0	0	0	0	481	32
23	444	93	0	0	0	0	0	0	0	0	381	0
24	416	-72	0	0	0	21	0	0	0	0	329	0
25	371	0	0	0	0	0	0	0	0	0	145	0
26	419	0	0	0	0	0	0	138	0	0	150	0
27	364	0	0	0	0	0	0	658	0	0	278	0
28	334	0	0	0	0	0	16	923	93	20	368	0
29	272	0	0	0	-----	0	0	809	90	0	246	0
30	240	0	22	0	-----	0	0	349	93	0	289	0
31	257	-----	0	0	-----	0	-----	157	-----	0	180	-----
TOTAL	17,841	1,557	102	1,147	17	38	47	3,057	814	127.0	3,973	178
MEAN	576	51.9	3.29	37.0	.61	1.23	1.57	98.6	27.1	4.10	128	5.93
MAX	850	625	28	374	17	21	54	923	130	73	481	94
MIN	240	-241	0	0	0	0	-13	0	0	0	0	0
AC-FT	35,390	3,090	202	2,280	34	75	93	6,060	1,610	252	7,880	353

CAL YR 1960- TOTAL 55,754 MEAN 152 MAX 1,160 MIN - 241 AC-FT 110,600

WAT YR 1961- TOTAL 24,898 MEAN 79.2 MAX 923 MIN - 241 AC-FT 57,320

Note --Negative figures indicate reverse flow to the east

## 2-2854 South New River Canal at S-9, near Davie, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	308	336	163
2	0	0	0	0	0	0	0	0	0	272	267	152
3	0	0	0	0	0	0	0	0	0	273	0	160
4	26	0	0	0	0	0	0	0	0	330	0	116
5	0	0	0	0	0	0	0	0	0	229	0	145
6	26	0	0	0	7 0	0	0	0	0	166	0	131
7	0	0	0	0	0	0	0	0	0	0	0	109
8	0	0	0	0	0	0	0	0	-39	0	0	134
9	0	0	0	0	-9.0	0	0	0	0	0	0	140
10	0	0	0	0	0	0	18	0	0	0	73	0
11	0	0	0	0	0	0	0	0	0	60	0	97
12	0	0	0	17	0	0	0	0	0	386	0	181
13	0	0	0	0	0	0	0	0	0	687	0	97
14	0	0	0	0	0	0	0	0	0	405	79	156
15	0	0	0	0	0	0	0	0	76	302	173	85
16	0	0	0	0	0	0	0	0	0	69	139	112
17	0	-7.0	0	0	0	0	0	0	0	194	0	182
18	0	0	0	0	0	0	0	0	118	0	0	438
19	0	0	0	0	0	0	0	0	123	96	0	368
20	22	0	0	0	0	0	0	0	128	0	0	463
21	0	0	0	0	0	0	0	0	353	0	92	554
22	0	0	8.0	0	0	0	0	0	446	0	0	772
23	0	0	0	0	0	0	0	0	214	0	0	602
24	0	0	0	0	0	0	0	0	0	0	75	582
25	0	0	0	0	0	0	0	0	0	0	0	410
26	0	0	0	0	0	0	0	0	0	0	0	335
27	0	0	0	0	0	0	-40	0	0	0	121	309
28	0	0	0	0	0	0	0	0	0	0	169	255
29	0	0	11	0	-----	0	0	0	138	0	192	254
30	0	0	18	0	-----	-31	0	0	248	0	108	283
31	0	-----	0	0	-----	0	-----	0	-----	342	214	-----
TOTAL	74	-7.0	37.0	17	-2.0	-31	-22	0	1,805	3,925	2,232	7,785
MEAN	2.39	0	1.19	.55	0	0	0	0	60 2	127	72.0	260
MAX	26	0	18	17	7.0	0	18	0	446	687	336	772
MIN	0	-7.0	0	0	-9.0	-31	-40	0	-39	0	0	0
AC-FT	147	0	73	34	0	0	0	0	3,580	7,790	4,430	15,440

CAL YR 1961 TOTAL 9,502 MEAN 26 0 MAX 923 MIN -13 AC-FT 18,850  
 WAT YR 1962 TOTAL 15,813 MEAN 43.3 MAX 772 MIN -40 AC-FT 31,360

Note --Negative figures indicate reverse flow to the east

DISCHARGE, IN CUBIC FEET PER SECONO, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	462	19	0	0	0	0	0	0	148	0	0	0
2	352	35	0	0	0	0	0	0	90	0	0	0
3	181	0	0	23	0	0	0	199	0	0	0	0
4	346	0	0	38	179	0	177	0	0	0	0	18
5	279	0	0	0	0	0	0	0	0	191	0	0
6	214	0	63	0	0	0	0	0	47	0	0	0
7	85	0	144	0	20	25	0	0	47	0	0	0
8	0	22	0	0	20	0	0	0	0	0	18	0
9	0	126	0	0	0	0	0	0	0	0	26	0
10	0	0	0	0	0	0	0	0	0	0	0	200
11	-50	0	0	0	0	0	0	0	0	21	0	0
12	-88	0	0	0	315	0	0	0	0	72	0	0
13	-50	0	-62	304	0	0	0	0	0	0	0	0
14	0	0	0	0	317	0	0	0	42	0	0	0
15	0	36	0	0	198	0	0	11	0	136	0	0
16	0	19	0	0	0	0	0	11	0	0	0	0
17	0	0	0	0	0	0	0	11	232	0	0	0
18	0	0	0	0	197	0	0	0	122	0	0	0
19	35	0	0	0	276	0	0	0	86	0	100	164
20	0	20	19	0	0	0	0	0	0	0	310	345
21	0	42	36	0	0	0	0	0	61	0	355	298
22	0	0	0	0	0	0	0	0	297	0	566	0
23	0	0	0	0	0	0	0	0	0	0	304	757
24	0	0	0	-41	0	0	17	0	0	0	140	930
25	19	0	0	-49	0	0	16	0	0	0	136	1,010
26	35	0	0	0	0	0	12	0	176	0	0	916
27	0	0	0	0	0	0	0	0	125	0	0	658
28	0	0	0	0	0	15	0	0	133	0	0	590
29	0	38	0	0	-----	26	0	0	139	0	0	358
30	0	24	0	0	-----	0	0	227	0	0	0	399
31	0	-----	0	0	-----	0	-----	154	-----	0	0	-----
TOTAL	1,426	381	200	-29	1,906	84	45	790	1,448	420	1,686	7,191
MEAN	58.9	12.7	6.45	0	68.1	2 71	1.50	25.5	48.3	13.5	54.4	240
MAX	462	126	144	38	384	26	17	227	232	191	355	1,010
MIN	-88	0	-62	-49	0	0	0	0	0	0	0	0
AC-FT	3,620	756	397	0	3,780	167	89	1,570	2,870	833	3,340	14,260

CAL YR 1962 TOTAL 13,110 MEAN 49 6 MAX 772 MIN -88 AC-FT 35,930  
 WAT YR 1963 TOTAL 15,943 MEAN 43 7 MAX 1,010 MIN -88 AC-FT 31,630

Note --Negative figures indicate reverse flow to the east

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2854 South New River Canal at S-9, near Davie, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	341	43	0	426	0	0	0	609	0	0	0	459
2	286	0	0	358	0	0	0	476	133	151	0	389
3	396	-95	0	309	0	0	0	322	127	0	0	385
4	547	-87	0	195	0	0	0	296	135	0	0	256
5	358	-48	0	0	286	0	0	220	149	0	0	314
6	314	29	0	0	242	0	0	0	262	249	0	292
7	308	255	0	0	0	0	0	0	285	275	0	212
8	288	0	0	0	0	0	0	0	491	282	0	172
9	97	0	0	0	0	0	0	0	584	336	0	274
10	224	0	0	79	0	0	0	0	665	327	0	0
11	191	0	0	0	0	0	0	0	495	285	0	193
12	177	296	0	0	0	0	0	0	331	215	0	235
13	134	283	0	291	78	0	0	0	298	84	0	241
14	51	0	0	17	73	0	0	0	124	43	91	131
15	308	0	0	0	0	0	0	307	194	59	0	0
16	343	0	0	0	0	0	0	254	166	148	0	0
17	599	0	0	178	0	0	56	155	105	185	307	111
18	274	0	243	0	141	0	0	0	0	-50	221	309
19	181	249	0	0	0	0	0	0	171	0	0	278
20	104	0	0	0	0	60	0	193	0	0	155	279
21	98	0	0	0	0	0	0	257	0	0	157	311
22	125	0	0	0	0	0	0	221	195	0	218	267
23	208	0	118	0	0	99	0	166	141	113	221	0
24	92	0	0	0	0	0	0	0	160	264	83	185
25	122	0	0	0	0	0	0	0	167	257	-110	131
26	0	0	0	0	0	0	0	0	194	196	417	0
27	0	0	0	0	0	0	0	0	0	130	615	0
28	0	0	0	0	0	0	0	0	0	102	1,000	186
29	0	107	0	0	0	0	420	0	163	116	860	0
30	106	0	0	0	0	0	651	0	0	106	643	0
31	166	-----	592	0	-----	0	-----	-----	-----	108	812	-----
TOTAL	6,488	1,032	953	1,853	820	159	1,127	3,476	5,735	3,981	5,650	5,610
MEAN	209	34.4	30.7	59.8	28.3	5.13	37.6	112	191	128	182	187
MAX	599	296	592	426	286	99	651	609	665	336	1,000	459
MIN	0	-95	0	0	0	0	0	0	0	-50	-110	0
AC-FT	12,870	2,050	1,890	3,680	1,630	315	2,240	6,890	11,380	7,900	11,210	11,130

CAL YR 1963 TOTAL 22,014 MEAN 60.3 MAX 1,010 MIN -95 AC-FT 43,660  
WAT YR 1964 TOTAL 36,884 MEAN 101 MAX 1,000 MIN -110 AC-FT 73,160

Note --Negative figures indicate reverse flow to the east

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	322	0	0	189	141	0	0	0	111	290	0
2	140	235	0	0	173	123	0	0	0	0	307	0
3	0	220	146	0	136	120	0	0	0	0	316	131
4	0	172	182	129	133	161	0	0	0	0	237	0
5	156	141	0	123	132	232	0	0	0	0	170	0
6	0	0	0	154	0	0	0	0	0	0	179	193
7	0	0	286	173	0	0	0	0	0	0	0	283
8	0	0	198	161	201	202	0	0	0	0	776	0
9	0	0	208	0	159	142	0	0	0	67	231	618
10	0	0	178	0	161	120	0	0	230	0	224	422
11	92	0	176	0	140	122	0	0	202	0	223	350
12	1,320	0	0	0	136	116	0	0	190	116	194	326
13	1,330	223	0	0	0	0	0	0	315	120	171	327
14	1,280	192	216	165	0	0	0	0	332	198	0	231
15	1,380	218	0	153	167	160	0	0	278	206	0	204
16	1,140	141	133	0	172	117	0	0	255	188	211	304
17	927	0	133	0	132	116	0	0	215	195	122	317
18	675	270	131	167	136	0	0	0	186	277	156	290
19	482	138	0	165	113	41	0	0	416	263	135	267
20	304	182	0	135	0	0	0	0	611	324	177	262
21	324	0	217	122	0	0	0	0	471	356	0	199
22	208	0	176	151	179	0	0	0	301	370	0	216
23	174	334	179	0	217	0	0	0	275	328	210	218
24	0	314	153	0	325	0	0	0	180	280	170	225
25	0	286	0	178	317	0	0	0	171	201	0	198
26	0	0	0	144	273	0	0	0	0	197	0	399
27	0	0	0	167	193	0	0	0	195	253	191	449
28	290	0	187	137	179	0	0	0	126	283	0	374
29	804	0	187	142	-----	0	0	0	0	300	0	231
30	447	139	149	0	-----	0	0	0	115	277	184	248
31	315	-----	191	0	-----	0	-----	0	-----	216	0	-----
TOTAL	11,792	3,527	3,430	2,566	3,963	1,913	0	0	5,131	5,059	4,098	8,058
MEAN	380	118	111	82.8	142	61.7	0	0	171	163	132	269
MAX	1,380	334	286	178	325	232	0	0	611	370	316	776
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	23,390	7,000	6,800	5,090	7,860	3,790	0	0	10,180	10,030	8,130	15,980

CAL YR 1964 TOTAL 47,160 MEAN 129 MAX 1,380 MIN -110 AC-FT 93,540  
WAT YR 1965 TOTAL 49,537.00 MEAN 136 MAX 1,380 MIN -110 AC-FT 98,260

Note --Negative figures indicate reverse flow to the east

2-2861 South New River Canal at S-13, near Davie, Fla

Location --Lat 26°03'57", long 80°12'32", in SW<sup>1</sup>/<sub>4</sub> sec 25, T 50 S, R 41 E, 18 ft from north bank, 150 ft upstream from pump structure 13, 300 ft west of U S Highway 441, and 1 5 miles east of Davie, Broward County

Records available --March 1957 to September 1965

Gage --Dual water-stage recorder and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929

Average discharge --8 years, 229 cfs (165,800 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following Table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Dec 23, 1960	1,000	a 3 18	Sept 25, 1961	-443	b -0 79
1962	June 30, 1962	826	2 48	Sept 12, 1962	-657	c - 55
1963	Jan 25, 1963	1,050	2 58	Oct 4, 1962	-407	d - 60
1964	Jan 15, 1964	886	2 66	Aug 26, 1964	-405	e - 51
1965	Oct 12, 1964	1,050	f 2 99	Sept 6, 1965	-582	g - 31

a Occurred Aug 21, 1961

b Occurred July 14, 1961

c Occurred Apr 3, 1962

d Occurred

June 11, 1963

f Occurred Feb 11, 1964

f Occurred Oct 11, 1964

g Occurred June 29, 1965

Note --Negative figures indicate reverse flow to the west

1957-65 Maximum discharge, 1,050 cfs Jan 25, 1963, and Oct 12, 1964, maximum gage height, 3 45 ft Sept 23, 1960, maximum reverse flow, 657 cfs Sept 12, 1962, minimum gage height, -0 79 ft July 14, 1961

Remarks --Records good except those for periods of doubtful deflection record, which are poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by pumpage and operation of gate at S-13. Flow is affected by regulation of S-13A 5 miles upstream and by upstream withdrawals from the canal during the growing season and pumpage into the canal during high water. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey.

Cooperation --Gate-opening and pump records furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	520	387	472	462	416	168	362	79	325	333	133	279
2	478	392	454	448	404	164	452	86	319	332	122	274
3	383	406	442	456	400	152	419	118	345	313	122	275
4	364	385	440	445	422	147	405	173	358	294	104	267
5	336	396	441	435	420	148	374	88	347	272	98	266
6	323	361	453	431	396	161	358	87	286	267	76	250
7	356	396	469	440	390	172	347	79	320	240	58	228
8	381	361	474	440	424	153	304	84	313	238	81	266
9	395	334	470	413	408	134	301	70	415	261	77	230
10	416	373	478	469	385	139	320	35	368	289	123	249
11	399	334	474	450	384	151	296	54	413	306	142	237
12	445	428	481	467	378	146	285	70	377	284	123	182
13	467	428	492	441	376	140	277	86	356	267	111	97
14	434	446	496	470	371	149	252	86	352	236	111	103
15	419	406	464	511	313	149	232	86	341	213	110	110
16	368	428	523	530	295	149	250	80	328	203	129	193
17	308	428	496	520	292	143	269	73	327	204	150	301
18	342	417	491	503	294	110	249	67	302	213	305	261
19	395	407	493	500	298	109	163	55	306	202	268	187
20	365	417	492	443	272	122	97	24	304	121	0	212
21	375	405	500	480	281	123	75	22	265	60	368	184
22	365	436	356	514	230	181	81	24	279	49	466	181
23	359	442	475	505	150	323	84	25	272	50	420	138
24	353	451	503	487	161	273	87	26	242	55	354	147
25	349	448	500	477	150	244	86	27	197	67	339	146
26	434	441	496	470	149	242	81	184	161	80	301	99
27	404	478	485	459	162	228	82	541	173	99	281	134
28	377	492	481	442	168	225	82	333	279	119	300	138
29	353	510	470	435	-----	221	79	384	329	125	353	145
30	369	481	458	451	-----	169	78	364	334	113	311	152
31	366	-----	427	442	-----	177	-----	350	-----	123	295	-----
TOTAL	11,978	12,516	14,646	14,416	8,789	5,312	6,827	3,860	9,233	6,018	6,231	5,931
MEAN	386	417	472	465	314	171	228	125	308	194	201	190
MAX	520	510	523	530	424	323	452	541	413	333	466	301
MIN	308	334	356	413	149	109	75	22	161	49	0	97
AC-FT	23,760	24,840	29,050	28,590	17,430	10,540	13,540	7,660	18,310	11,940	12,360	11,760

CAL YR 1960 TOTAL 129,523

MEAN 354

MAX 709

MIN 104

AC-FT 256,900

WAT YR 1961 TOTAL 105,757.00

MEAN 290

MAX 541

MIN 0

AC-FT 209,800



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2861 South New River Canal at S-13, near Davie, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	150	205	117	0	52	7.0	145	13	19	532	254	147
2	202	201	127	0	51	4.0	195	12	21	535	260	220
3	212	184	124	0	56	0	126	6.0	21	448	295	242
4	244	194	119	0	54	0	60	0	12	425	285	223
5	223	186	132	0	50	0	64	4 0	0	450	256	203
6	226	189	144	0	49	0	65	26	0	420	273	192
7	204	197	149	0	53	0	64	27	0	440	259	192
8	182	194	144	0	56	0	66	26	0	458	251	195
9	185	186	92	0	56	0	108	28	0	420	258	153
10	246	179	48	0	54	0	72	27	0	418	258	149
11	224	176	28	0	52	0	75	27	0	519	240	108
12	264	181	14	0	54	0	76	27	0	605	212	-55
13	278	186	15	0	48	0	75	26	21	351	270	-28
14	251	192	15	0	31	0	67	25	120	329	284	50
15	218	190	15	23	7 0	0	61	22	166	343	271	124
16	186	194	15	36	7 0	0	63	21	370	340	251	92
17	128	193	15	35	7.0	0	43	20	515	360	191	101
18	112	185	14	35	7.0	0	13	19	455	367	170	98
19	134	175	5 0	34	8.0	0	13	20	507	368	210	102
20	121	169	0	53	8.0	0	13	21	490	448	212	129
21	151	135	0	64	8 0	0	13	24	504	413	181	192
22	111	116	0	63	8.0	0	17	24	546	364	205	199
23	123	122	0	64	8.0	0	13	24	460	340	205	151
24	95	113	0	60	8.0	0	14	25	429	285	149	113
25	112	135	0	57	8.0	0	13	26	423	125	80	57
26	145	131	0	58	8 0	10	3.0	23	407	93	99	69
27	140	132	0	57	7 0	14	7.0	19	198	74	135	61
28	155	116	0	57	7 0	14	15	20	106	48	165	83
29	184	113	0	56	-----	14	14	18	111	33	294	94
30	216	114	0	56	-----	14	14	11	250	42	246	131
31	220	-----	0	54	-----	14	-----	19	-----	110	199	-----
TOTAL	5,628	5,006	1,332.0	862	824.0	91.0	1,582.0	630.0	6,151	10,503	6,918	3,787
MEAN	182	167	43.0	27.8	29.4	2.94	52.7	20.3	205	339	223	126
MAX	278	205	149	64	56	14	195	28	546	605	295	242
MIN	95	113	0	0	7 0	0	3.0	0	0	33	40	-55
AC-FT	11,160	9,930	2,640	1,710	1,630	181	3,140	1,250	12,200	20,830	13,720	7,510
CAL YR 1961	TOTAL 7,154	5,000	MEAN 215	MAX 541	MIN 0	AC-FT 155,900						
WAT YR 1962	TOTAL 43,314	MEAN 119	MAX 605	MIN -55	AC-FT 85,910							

Note --Doubtful deflection record Nov 3 to Dec 19, Jan 15 to Mar 2, Apr 4 to May 3, May 5 to June 4  
 Negative figures indicate reverse flow to the west

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	171	205	154	137	181	204	125	0	211	217	92	242
2	213	220	166	109	102	220	141	0	299	206	91	274
3	198	192	167	122	80	229	119	297	189	187	90	298
4	204	188	173	108	133	237	123	443	189	139	89	277
5	131	196	161	108	229	248	112	339	201	304	72	253
6	239	217	137	108	219	229	118	257	177	271	56	107
7	230	180	154	91	218	222	98	158	246	240	44	144
8	222	188	154	104	163	212	100	79	212	218	27	173
9	226	244	142	115	92	143	111	123	189	236	178	44
10	210	271	176	145	101	126	111	104	211	255	11	202
11	228	263	195	184	54	133	110	76	248	245	0	188
12	211	281	186	191	244	132	98	76	226	268	0	187
13	178	270	102	191	441	124	81	56	261	225	0	194
14	212	273	21	212	458	133	49	89	240	218	0	188
15	212	271	197	194	473	137	31	74	257	247	0	212
16	211	217	253	194	502	117	50	76	280	247	0	176
17	199	180	245	190	526	123	30	60	317	251	0	140
18	146	175	250	202	451	121	30	12	246	280	0	242
19	142	190	254	194	401	76	47	0	220	246	82	255
20	134	190	244	182	442	60	29	0	181	265	425	353
21	157	166	238	199	426	61	29	0	118	275	177	408
22	182	188	222	203	396	62	13	0	118	235	310	432
23	193	196	217	204	381	99	0	0	57	112	319	408
24	184	201	223	137	402	106	0	45	69	99	293	432
25	151	202	217	259	283	106	0	103	188	60	301	272
26	194	184	220	241	197	106	0	76	233	61	293	325
27	174	153	222	246	197	119	0	76	214	78	293	306
28	175	146	204	250	210	106	0	75	208	59	293	169
29	178	182	168	248	-----	106	0	142	260	76	264	158
30	173	171	152	239	-----	100	0	348	234	111	242	206
31	184	-----	136	246	-----	101	-----	284	-----	81	242	-----
TOTAL	5,867	6,201	5,550	5,553	7,991	4,298	1,755	3,468	6,251	6,012	4,150	7,399
MEAN	189	207	185	179	285	139	58.5	112	208	194	134	247
MAX	239	281	254	259	526	248	141	443	317	304	425	432
MIN	131	146	21	91	54	60	0	0	57	59	0	107
AC-FT	11,640	12,300	11,400	11,010	15,850	8,520	3,480	6,880	12,400	11,920	8,230	14,680
CAL YR 1962	TOTAL 49,166	MEAN 135	MAX 605	MIN -55	AC-FT 97,520							
WAT YR 1963	TOTAL 64,695.00	MEAN 177	MAX 526	MIN 0	AC-FT 128,300							

Note --Negative figures indicate reverse flow to the west

2-2861 South New River Canal at S-13, near Davie, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	196	115	163	285	193	239	89	429	124	151	125	176
2	164	142	162	314	193	225	69	552	129	125	125	225
3	282	150	164	328	185	159	76	471	209	82	119	202
4	217	142	157	317	171	143	77	384	349	76	73	196
5	147	163	150	353	250	152	75	326	401	81	62	200
6	92	190	155	350	314	154	76	331	434	125	44	192
7	98	160	155	358	392	151	78	332	491	157	45	193
8	67	169	117	352	394	155	81	314	558	158	46	188
9	102	172	127	205	386	120	41	308	531	229	45	201
10	148	147	110	225	372	85	16	310	356	249	45	94
11	130	174	121	203	129	90	17	267	304	113	45	109
12	128	150	120	248	179	104	17	267	269	157	44	117
13	127	170	150	355	169	109	17	242	270	157	43	123
14	138	165	158	262	170	94	17	297	246	145	119	108
15	190	142	167	332	166	94	17	460	230	135	248	271
16	284	143	163	304	164	95	17	403	220	134	212	302
17	300	138	146	281	167	111	17	334	151	226	181	286
18	285	120	125	300	161	112	17	313	135	249	158	303
19	276	112	157	301	205	80	16	288	158	134	127	320
20	304	118	173	297	178	77	16	342	152	126	124	323
21	288	117	149	288	167	94	17	407	149	163	76	348
22	205	117	148	279	280	96	17	339	157	174	72	311
23	136	117	146	271	324	91	13	321	157	148	74	276
24	107	117	148	259	248	90	0	306	157	165	73	287
25	135	118	157	273	235	90	0	300	152	167	69	286
26	129	119	163	256	304	90	0	283	160	151	57	283
27	111	118	156	261	277	92	49	304	157	139	350	300
28	112	124	155	259	256	94	82	299	146	130	431	285
29	128	141	156	271	243	97	104	268	157	132	420	268
30	99	170	167	206	102	102	500	225	149	148	353	292
31	61	---	303	187	---	102	---	223	---	141	203	---
TOTAL	5,206	4,240	4,788	8,778	6,872	3,587	1,628	10,245	7,258	4,667	4,208	7,065
MEAN	168	141	154	283	237	116	54.3	330	242	151	136	236
MAX	304	190	303	358	394	239	500	552	558	249	431	348
MIN	67	112	110	187	129	77	0	223	124	76	43	94
AC-FT	10,330	4,410	9,500	17,410	13,630	7,110	3,230	20,320	14,400	9,260	8,350	14,010
CAL YR 1963	TOTAL 61,111.00			MEAN 167	MAX 326	MIN 0	AC-FT 121,200					
WAT YR 1964	TOTAL 63,942.00			MEAN 167	MAX 558	MIN 0	AC-FT 136,000					

Note --Doubtful deflection record Mar 3 to Apr 23

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	289	327	347	150	63	161	0	0	0	0	238	54
2	289	328	311	165	57	180	0	0	0	45	223	46
3	335	288	282	219	59	168	0	0	0	63	195	45
4	360	254	204	280	60	168	0	0	0	61	169	37
5	310	276	236	234	119	171	0	0	0	63	131	35
6	382	303	260	121	120	183	0	0	0	62	108	-128
7	370	312	233	132	192	193	0	0	0	59	108	-3.0
8	363	311	156	145	238	188	0	0	0	58	94	257
9	357	316	217	156	127	161	0	0	0	72	100	203
10	341	300	197	192	63	154	0	0	46	30	140	240
11	402	293	153	190	63	78	0	0	87	32	129	165
12	830	270	196	194	63	33	0	0	158	33	32	138
13	685	195	193	59	60	31	0	0	294	37	21	121
14	607	190	177	73	59	32	0	0	278	116	42	121
15	657	183	207	73	61	34	0	0	251	146	16	111
16	547	185	196	74	60	35	0	0	124	124	26	167
17	503	195	183	84	64	35	0	0	127	232	32	201
18	435	160	195	72	59	37	0	0	168	313	31	161
19	346	168	175	68	54	41	0	0	296	266	5.0	113
20	331	193	458	67	56	41	0	0	494	316	-16	91
21	324	188	275	56	54	37	0	0	381	401	-15	65
22	313	185	107	60	63	35	0	0	350	456	-26	39
23	294	154	156	60	184	35	0	0	306	426	-26	44
24	301	357	135	66	255	35	0	0	227	342	-5.0	16
25	323	351	150	65	175	36	0	0	176	311	47	38
26	313	415	145	63	155	36	0	0	192	217	53	65
27	304	412	180	63	152	41	0	0	233	200	57	115
28	294	403	285	67	161	40	0	0	203	217	44	118
29	354	409	187	70	---	40	0	0	137	183	51	80
30	319	390	165	65	---	13	0	0	132	281	58	65
31	323	---	166	61	---	0	---	0	---	245	54	---
TOTAL	12,201	5,561	6,589	3,444	2,826	2,472	0	0	4,657	5,377	2,116.0	2,820.0
MEAN	394	285	213	111	101	79.7	0	0	155	173	68.3	94.0
MAX	830	415	458	280	255	193	0	0	494	456	238	257
MIN	289	183	107	56	54	0	0	0	0	0	-26	-128
AC-FT	24,200	16,980	13,070	6,830	5,610	4,900	0	0	9,240	10,670	4,200	5,590
CAL YR 1964	TOTAL 81,659.00			MEAN 223	MAX 830	MIN 0	AC-FT 162,000					
WAT YR 1965	TOTAL 51,063			MEAN 140	MAX 830	MIN - 128	AC-FT 101,300					

Note --Doubtful deflection record Dec 29 to Feb 6, Feb 26 to Mar 30 Negative figures indicate reverse flow to the west

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2861 4 New River at Fort Lauderdale, Fla

Location --Lat 26°07'03" long 80°08'37", in NE $\frac{1}{4}$  sec 10, T 50 S., R 42 E., on left bank at downstream side of North Andrews Avenue bridge in Fort Lauderdale, Broward County, 0.8 mile downstream from confluence of north and south forks of New River, 1.6 miles upstream from mouth, 4.1 miles downstream from South New River Canal, and 7.1 miles downstream from dam on North New River Canal

Records available --June 1963 to September 1965

Gage --Water-stage recorder and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Broward County bench mark)

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, from June 1963 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1963	Sept 23, 1963	142	June 4, 1963	70.0	July 24, 1963	66.0	Sept 23, 1963	10
1964	Aug 28, 1964	214	Mar 12, 1964	73.0	Apr 13, 1964	86.2	Many days	0
1965	June 20, 1965	174	Apr 28, 1965	62.6	Feb 16, 1965	83.1	do	0

Maximum and minimum gage heights, in feet, June 1963 to September 1965					
Water year	Date	Gage height	Water year	Date	Gage height
1963	Sept 28, 1963	2.63	1963	June 19, 21, 1963	-1.42
1964	Oct 6, 31, 1963	2.86	1964	Feb 26, 1964	-1.56
1965	Sept 8, 1965	4.49	1965	Mar 19, 1965	-1.71

1963-65 Maximum daily downstream flow, 214 mcf (millions of cubic feet) Aug. 28, 1964, minimum daily, 62.6 mcf Apr. 28, 1965, maximum daily upstream flow, 86.2 mcf Apr. 13, 1964, on many days in 1964 and 1965 no upstream flow occurred Maximum gage height, 4.49 ft Sept. 8, 1965, minimum, -1.71 ft Mar. 19, 1965

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

VOLUME OF FLOW IN MILLIONS OF CUBIC FEET, JUNE TO SEPTEMBER 1963												
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	April		May		June		July		August		September	
1					76.0	39.1	98.0	30.0	73.5	38.1	85.7	52.9
2					78.0	39.2	96.8	34.0	80.3	39.5	87.7	57.7
3					72.0	50.1	104	31.5	73.0	41.4	89.3	57.6
4					70.0	50.6	105	35.6	82.5	44.0	86.4	63.3
5					81.4	53.1	105	33.4	90.1	45.6	91.2	65.4
6					98.7	37.9	102	49.8	91.5	46.0	92.0	63.9
7					99.5	40.0	108	44.5	94.0	50.5	96.7	58.5
8					97.5	38.2	109	52.1	85.5	50.6	84.5	53.0
9					95.1	42.0	118	52.7	88.1	47.1	97.3	48.6
10					105	33.1	120	54.1	87.0	47.0	103	45.1
11					106	34.4	110	50.0	86.1	47.1	106	42.5
12					110	27.2	96.0	45.1	85.8	46.6	98.0	41.5
13					113	23.4	99.1	45.2	83.1	41.5	88.3	53.8
14					105	31.6	101	45.1	80.6	52.0	88.0	55.5
15					109	35.6	103	47.0	88.0	45.0	97.5	56.0
16					111	32.6	101	55.9	86.1	46.5	100	56.7
17					110	36.1	99.0	53.0	97.1	44.9	102	58.1
18					102	45.8	98.0	53.0	92.0	49.1	103	50.2
19					105	45.3	97.0	60.0	100	44.0	100	52.0
20					101	50.5	96.7	58.2	111	43.9	110	37.5
21					88.6	65.1	100	58.1	108	48.1	151	23.8
22					89.3	56.4	95.7	54.2	122	40.0	130	15.0
23					94.1	62.2	80.2	57.4	118	33.0	142	10.0
24					92.9	56.3	83.0	66.0	110	34.1	130	17.9
25					95.7	48.6	79.6	53.3	98.6	26.1	120	13.3
26					105	37.5	86.1	50.7	106	20.4	112	17.1
27					107	36.5	82.9	50.9	109	22.1	100	37.1
28					110	33.9	72.3	44.0	106	17.0	88.1	44.1
29					114	30.0	75.8	35.0	104	28.5	102	38.0
30					105	28.6	70.3	38.0	98.4	32.0	124	49.5
31					-----	-----	73.9	32.0	98.3	44.7	-----	-----

## 2-2861 4 New River at Fort Lauderdale, Fla --Continued

VOLUME OF FLOW IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964																
Day	Downstream		Upstream		Downstream		Upstream		Downstream		Upstream					
October			November			December			January							
February			March													
1	95 0	32 5	89 2	71 1	102	56 6	92 0	40 0	107	43 3	91 1					
2	98 0	34 0	103	58 2	101	55 3	90 0	40 0	95 2	47 3	94 7					
3	101	14 1	99 2	60 3	97 0	55 5	88 0	30 0	94 3	42 4	91 6					
4	100	17 8	94 4	66 0	92 8	49 5	84 0	24 9	93 2	38 4	79 8					
5	96 0	29 0	101	50 9	96 9	40 8	82 0	20 5	119	8 85	86 2					
6	93 0	34 9	103	42 0	98 3	41 9	88 0	17 3	131	1 36	100					
7	96 0	31 5	98 8	33 6	95 8	40 6	84 0	16 0	136	0	105					
8	100	29 0	97 1	34 5	95 2	43 4	80 0	10 2	124	3 51	85 7					
9	98 0	27 0	88 6	31 9	94 5	39 8	78 0	16 0	116	2 05	87 1					
10	97 0	25 1	89 3	37 0	83 4	38 6	78 0	25 0	98 5	24 3	91 1					
11	92 0	19 9	80 5	41 4	83 7	41 5	80 5	40 8	90 7	35 9	88 0					
12	86 0	19 8	98 0	37 7	82 1	48 9	86 4	40 9	88 3	44 5	73 0					
13	85 0	29 9	98 2	42 7	91 7	42 4	120	13 3	83 5	51 8	80 3					
14	88 0	40 5	104	38 9	89 3	47 1	102	32 6	77 7	64 6	85 1					
15	89 0	32 2	98 5	45 6	90 0	44 3	85 2	45 8	76 9	60 0	89 9					
16	92 0	36 5	95 1	44 3	85 9	46 1	101	38 8	79 0	58 3	91 8					
17	89 9	23 2	92 6	44 2	87 7	53 8	103	37 1	79 8	54 2	90 0					
18	87 0	29 5	98 0	38 4	97 0	41 5	105	39 2	76 9	54 9	78 8					
19	89 0	42 0	96 9	43 9	93 3	45 3	103	33 7	86 3	44 2	82 7					
20	92 0	26 0	97 4	42 4	94 8	49 1	110	32 4	92 1	39 8	84 0					
21	90 0	5 40	99 9	32 3	93 2	46 5	117	24 3	87 6	40 9	84 1					
22	86 0	5 50	100	32 5	101	36 2	105	31 1	92 3	36 8	90 2					
23	88 0	2 0	97 5	28 4	92 1	38 9	97 0	37 0	105 6	26 7	78 2					
24	90 0	17 5	100	28 5	93 0	42 1	100	32 6	85 5	40 7	78 3					
25	94 0	14 8	104	38 7	84 7	54 2	99 9	38 2	85 7	44 9	79 5					
26	87 0	28 0	87 4	48 6	86 0	60 0	96 1	47 2	91 5	54 1	84 9					
27	88 6	37 8	88 9	55 8	92 0	67 0	98 7	57 2	89 1	59 5	84 6					
28	86 7	84 5	90 7	50 7	87 1	73 0	93 7	53 7	87 1	57 6	91 8					
29	98 1	48 5	91 4	61 6	88 0	65 9	93 6	49 9	95 1	51 1	86 9					
30	89 9	62 8	94 9	58 3	91 0	70 9	95 8	53 1	-----	-----	84 3					
31	87 7	64 7	-----	-----	96 0	64 0	88 5	48 5	-----	-----	76 0					
April			May			June			July							
August			September													
1	79 1	52 8	128	8 96	95 6	35 9	102	45 9	91 8	54 1	149					
2	88 1	42 3	142	6 92	99 1	35 9	101	43 7	99 2	50 8	148					
3	93 4	36 5	135	6 70	103	32 3	97 4	48 9	91 3	56 5	137					
4	95 1	38 2	110	10 9	110	24 7	99 5	44 0	88 7	59 9	130					
5	98 1	37 3	113	14 1	114	24 8	96 1	48 1	86 9	64 4	122					
6	92 4	39 7	125	16 4	120	23 4	91 4	57 1	86 8	76 9	131					
7	99 2	33 3	117	27 9	129	23 2	113	48 2	81 8	73 4	121					
8	83 4	38 5	110	45 1	145	23 6	118	50 5	93 5	62 4	79 4					
9	73 2	55 5	106	56 4	156	22 3	129	45 2	85 6	66 7	87 6					
10	77 7	63 7	115	51 5	129	36 0	125	52 0	89 6	60 7	82 3					
11	75 9	79 7	112	55 2	134	40 1	116	46 3	91 5	60 4	92 0					
12	81 7	73 1	111	58 7	123	44 5	112	48 2	93 1	55 0	102					
13	77 3	86 2	106	57 9	133	40 0	104	45 7	93 5	48 5	104					
14	93 3	86 8	115	53 2	124	35 4	97 6	42 0	86 0	42 9	101					
15	88 8	67 1	135	24 8	116	32 7	94 8	43 7	101	37 6	120					
16	83 7	62 1	137	22 6	115	33 7	89 0	42 0	99 4	27 4	115					
17	80 3	58 5	127	24 4	107	36 1	87 7	39 3	92 0	29 9	116					
18	81 6	50 8	99 9	42 7	111	40 7	90 0	39 7	96 0	25 0	105					
19	82 3	52 8	95 5	47 1	98 8	43 2	94 9	33 4	102	35 8	113					
20	82 6	55 9	127	26 3	106	36 8	92 2	37 6	98 0	38 5	113					
21	76 8	53 8	133	7 02	100	36 9	94 5	44 6	97 7	46 2	112					
22	76 0	65 1	119	25 3	97 0	42 9	90 0	46 2	96 7	48 9	110					
23	79 7	63 3	115	39 1	100	42 2	96 8	41 4	103	43 0	123					
24	79 8	56 0	105	40 6	101	38 2	96 2	45 4	100	49 7	130					
25	73 3	63 0	114	38 1	102	43 4	98 4	50 3	104	47 7	111					
26	81 3	59 8	107	35 2	102	41 8	95 9	54 1	127	33 1	108					
27	74 2	68 5	109	36 0	91 7	45 5	97 4	60 5	194	11 4	100					
28	83 0	53 4	108	37 1	97 3	47 0	89 8	56 1	214	0	93 9					
29	100	35 4	101	41 3	101	46 2	96 2	49 6	186	0	110					
30	126	19 3	99 6	35 0	99 9	42 8	91 8	49 6	181	0	120					
31	-----	-----	101	29 4	-----	-----	90 0	53 7	162	3 50	-----					

## 2-2861 4 New River at Fort Lauderdale, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1964 TO SEPTEMBER 1965

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	October		November		December		January		February		March	
1	90 0	33 0	138	23 5	123	29 2	101	50 3	94 6	49 9	91 6	50 7
2	90 0	36 0	130	31 6	111	38 5	98 9	45 4	93 5	49 8	87 0	52 7
3	91 0	41 0	114	41 6	112	37 6	101	45 2	89 5	54 9	92 3	54 5
4	92 0	46 0	132	34 0	111	33 3	100	44 5	90 9	61 3	101	53 0
5	94 0	43 0	127	25 2	108	30 8	103	50 6	84 6	60 5	92 4	51 8
6	97 0	40 0	120	23 8	123	21 5	99 5	48 0	88 1	55 0	95 0	54 2
7	93 0	49 0	128	20 5	100	41 5	99 7	49 6	98 3	43 7	100	47 3
8	92 0	46 0	124	19 3	119	22 8	107	39 1	122	23 9	106	37 6
9	92 0	42 0	105	18 0	120	32 4	108	36 3	92 9	43 8	101	51 1
10	91 0	37 0	93 0	16 0	124	24 4	115	36 0	112	42 4	101	38 3
11	135	44 0	98 0	15 0	126	28 4	112	36 8	101	46 0	97 1	48 8
12	162	37 0	92 0	12 0	113	27 8	106	36 7	88 2	55 6	94 6	60 0
13	140	34 0	95 0	15 0	121	30 0	99 9	43 3	93 9	56 3	72 6	62 7
14	140	37 0	94 0	20 0	104	37 7	96 8	55 4	97 6	55 6	81 6	61 9
15	137	34 0	93 0	30 0	96 7	42 2	99 0	55 6	99 6	61 6	80 9	66 0
16	141	29 0	96 0	36 0	89 0	58 4	94 5	54 6	92 3	83 1	88 0	70 3
17	132	32 0	96 0	41 0	87 1	66 8	96 5	59 6	98 3	70 5	90 0	71 1
18	120	35 0	96 0	47 0	95 5	61 8	94 2	67 6	96 7	66 6	85 8	60 0
19	116	36 0	101	54 0	102	65 3	102	68 0	94 6	58 5	93 7	52 3
20	108	38 0	103	62 0	97 1	70 8	112	61 9	88 1	59 0	96 6	53 4
21	107	41 0	106	56 0	110	61 7	97 9	54 2	99 5	41 5	82 7	53 0
22	106	44 0	150	49 0	93 4	71 6	90 4	65 8	96 8	44 4	87 3	49 9
23	94 0	39 0	160	41 0	105	53 5	82 3	48 7	133	16 7	96 7	44 1
24	94 0	34 0	150	36 0	109	45 0	106	43 2	161	0	105	34 3
25	106	30 0	120	31 0	119	37 3	107	35 2	135	4 02	111	41 1
26	120	32 0	113	25 0	104	43 6	97 2	47 4	88 5	29 6	93 6	36 7
27	121	22 1	112	23 0	109	45 2	101	40 7	93 2	35 4	88 1	40 3
28	129	25 2	124	26 0	119	29 6	99 1	54 6	98 2	40 0	98 5	44 5
29	168	0	133	25 0	105	38 9	85 3	55 7	-----	-----	89 1	49 1
30	152	4 78	130	27 0	95 3	54 2	85 6	51 4	-----	-----	86 1	49 7
31	136	10 1	-----	-----	101	49 5	86 2	52 6	-----	-----	81 2	59 3
	April		May		June		July		August		September	
1	82 5	72 9	86 8	72 9	93 4	73 6	101	67 1	120	35 4	100	52 0
2	91 5	63 6	96 7	61 9	96 1	75 0	104	61 7	127	26 8	96 0	48 0
3	89 6	73 4	103	68 1	95 4	70 4	92 7	57 7	134	25 3	90 0	56 0
4	91 2	62 0	96 8	70 9	89 0	63 4	88 4	62 0	123	28 9	80 0	50 0
5	85 3	66 4	84 3	63 4	89 9	59 3	91 7	50 1	119	29 8	74 0	54 0
6	87 4	58 0	83 3	59 0	89 5	56 9	87 2	51 1	118	25 4	81 0	56 0
7	80 1	55 3	85 0	48 6	95 0	48 0	74 0	65 5	113	40 2	74 0	74 0
8	72 3	59 7	82 8	56 4	88 5	58 9	79 6	56 4	121	36 4	86 0	80 0
9	78 2	52 4	77 9	59 6	91 7	61 1	82 2	60 6	105	39 6	105	68 0
10	70 1	69 4	79 1	77 0	95 0	52 9	90 7	54 8	104	46 1	120	58 0
11	72 0	71 0	78 5	70 8	94 8	53 5	76 5	57 0	105	43 5	110	70 0
12	70 0	73 0	80 8	72 8	92 3	51 3	80 5	58 0	99 8	57 1	103	68 0
13	68 0	75 0	82 6	70 6	104	44 5	90 6	54 2	106	44 6	107	60 0
14	70 0	77 0	78 7	80 0	106	42 0	99 1	43 6	107	54 2	110	44 5
15	74 0	78 0	87 6	61 6	108	43 4	83 9	53 2	105	44 0	118	34 9
16	80 0	69 0	84 5	66 0	102	44 4	101	44 1	108	42 7	121	28 5
17	80 0	74 0	82 2	65 2	94 6	43 0	111	36 2	107	51 3	132	19 7
18	88 0	68 0	80 6	62 5	103	37 5	114	26 9	111	38 4	118	34 4
19	87 0	58 0	82 4	52 0	130	14 1	121	25 6	105	45 5	110	35 1
20	84 0	49 0	74 4	52 9	174	0	130	23 0	118	31 9	109	39 5
21	80 0	41 0	78 4	45 2	159	0	122	23 0	107	40 5	107	55 2
22	75 0	38 0	80 3	43 5	153	3 24	113	22 0	101	44 8	98 7	59 9
23	70 0	36 0	81 5	39 0	133	18 5	119	23 0	91 9	55 5	106	82 5
24	75 0	33 0	75 9	44 9	127	25 9	109	24 0	88 9	60 4	108	64 0
25	82 0	37 0	72 8	49 0	108	34 5	150	26 0	91 0	64 0	106	52 0
26	77 0	63 0	74 6	54 2	113	37 4	160	31 0	95 0	58 0	115	46 5
27	72 6	63 1	83 0	51 9	108	39 0	138	40 0	94 0	60 0	124	45 8
28	62 6	65 2	88 2	61 0	107	55 5	127	47 0	107	56 0	119	45 8
29	72 6	71 1	84 0	64 6	105	56 8	127	50 9	111	60 0	115	43 1
30	82 5	72 1	90 3	65 0	91 5	68 8	128	44 7	105	62 0	108	39 4
31	-----	-----	80 8	73 8	-----	-----	133	37 6	103	55 0	-----	-----

## 2-2861 5 Hollywood Canal at Dania, Fla

Location --Lat 26°03'13", long 80°09'19", in SE 1/4 sec 33, T 50 S, R 42 E, at downstream side of bridge on Tigertail Road, 25 ft from right (east) bank, 0.4 mile upstream from mouth, in Dania, Broward County

Records available --April 1962 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Broward County bench mark)

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, from April 1962 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1962	July 23, 1962	14.3	May 14, 1962	5.58	Sept 14, 1962	14.0	July 12, 1962	3.88
1963	Feb 28, 1963	17.7	Oct 18, 1962	7.51	Jan 6, 1963	15.9	Sept 23, 1963	1.54
1964	Aug 28, 1964	20.9	Feb 9, 1964	7.33	(a)	14.2	Feb 7, 1964	4.95
1965	July 31, 1965	16.8	Oct 14, 1964	5.41	Sept 8, 1965	22.0	Feb 26, 1965	3.70

a Oct 31, 1963, Apr 13, 1964

Maximum and minimum gage heights, in feet, April 1962 to September 1965

Water year	Date	Gage height	Water year	Date	Gage height
1962	Sept 15, 1962	2.38	1962	Apr 11, 23, 1962	-0.76
1963	Sept 28, 1963	2.54	1963	Apr 24, 1963	- .97
1964	Oct 5, 1963	2.49	1964	Feb 20, 1964	- .82
1965	Sept. 8, 1965	3.82	1965	Mar 20, 1965	- .96

1962-65 Maximum daily downstream flow 20.9 mcf (millions of cubic feet) Aug 28, 1964, minimum daily, 5.41 mcf Oct 14, 1964, maximum daily upstream, 22.0 mcf Sept 8, 1965, minimum daily 1.54 mcf Sept 23, 1963 Maximum gage height, 3.82 ft Sept 8, 1965, minimum, -0.97 ft Apr 24, 1963

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, APRIL TO SEPTEMBER 1962

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
April			May		June		July		August		September	
1	-	-	8.51	12.3	7.44	9.84	7.40	9.10	12.8	10.1	10.8	10.6
2	-	-	9.49	11.5	8.52	9.31	7.80	8.80	12.9	9.48	10.2	9.41
3	-	-	9.98	10.4	8.98	8.11	9.50	8.50	13.6	8.10	10.1	8.85
4	-	-	10.3	9.64	8.56	6.71	11.0	8.00	12.1	9.01	10.7	7.56
5	-	-	9.20	9.88	8.26	6.84	12.5	7.30	12.9	7.00	10.7	7.99
6	-	-	9.00	9.16	8.74	7.10	13.0	6.50	12.3	6.94	10.1	6.98
7	-	-	8.47	8.69	7.52	6.87	13.0	5.70	12.2	6.49	10.3	7.28
8	-	-	9.28	9.39	8.25	6.61	13.0	5.40	10.9	7.60	10.3	7.48
9	-	-	8.78	10.1	7.90	7.03	13.0	5.00	10.8	8.25	9.13	9.64
10	-	-	8.07	10.5	7.45	7.35	12.5	4.60	10.3	9.06	9.46	10.6
11	10.4	5.85	7.40	10.7	7.28	8.43	12.6	4.53	10.2	9.02	10.2	11.0
12	10.2	6.56	6.55	10.2	6.64	8.35	12.4	3.88	10.5	9.95	9.25	13.2
13	9.09	5.97	5.78	8.87	6.40	8.20	13.4	4.92	10.0	10.9	9.87	13.7
14	7.34	6.66	5.58	9.09	6.30	8.00	12.3	5.93	11.3	10.9	9.98	14.0
15	8.64	8.42	5.85	9.70	6.40	7.60	12.9	6.70	11.2	12.2	11.6	13.5
16	8.31	7.47	6.45	10.6	6.40	7.40	13.1	7.18	12.4	12.7	12.2	11.4
17	7.66	7.63	6.34	10.4	6.60	7.60	13.7	6.79	12.8	12.9	12.1	10.9
18	8.25	9.41	7.06	11.0	6.80	8.70	13.8	6.23	13.3	12.2	12.2	9.33
19	9.30	9.66	8.16	9.54	7.00	9.00	12.9	7.62	12.5	11.3	12.0	8.81
20	9.57	9.40	8.59	9.25	7.40	9.00	13.5	7.32	11.7	10.1	12.7	7.59
21	8.49	7.99	8.51	9.69	8.20	8.60	12.8	8.10	12.3	9.06	12.1	6.14
22	8.65	9.08	8.21	8.51	8.80	8.00	13.1	8.65	10.9	9.25	11.8	5.64
23	9.78	7.95	8.24	8.38	9.40	7.10	14.3	8.21	11.1	9.17	10.7	6.72
24	9.35	8.19	8.39	8.02	9.40	6.70	13.8	9.56	9.76	10.2	10.7	7.85
25	9.06	9.15	7.91	7.63	9.40	6.70	12.5	10.6	8.62	10.9	11.4	8.17
26	8.59	10.9	7.50	7.71	9.40	6.80	12.3	10.2	10.0	10.1	11.5	9.72
27	8.36	10.6	7.07	9.48	8.40	7.80	11.9	10.2	10.3	9.43	11.8	10.3
28	8.08	9.98	6.38	10.7	7.70	8.80	11.7	10.9	9.40	9.75	11.8	9.69
29	7.57	10.7	6.34	11.1	7.40	9.20	13.4	10.2	10.1	9.06	12.7	8.48
30	8.06	10.9	6.83	9.89	7.30	9.20	12.6	9.72	9.58	9.10	11.3	9.29
31	-----	-----	6.81	10.6	-----	-----	11.6	9.93	10.8	8.88	-----	-----

## 2-2861 5 Hollywood Canal at Dania Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	11 8	8 04	11 1	10 1	10 9	12 4	12 8	13 1	15 1	10 1	17 0	8 60
2	11 2	8 11	11 1	10 7	11 6	11 0	12 9	12 6	14 7	10 3	17 0	6 35
3	11 3	7 43	10 6	10 9	11 5	11 3	13 3	12 2	12 7	12 4	14 4	6 98
4	11 5	7 53	10 6	10 8	12 3	11 5	13 2	13 2	11 7	12 8	11 6	7 78
5	11 7	7 74	11 1	10 2	12 1	13 0	13 4	12 9	12 5	11 5	11 6	7 69
6	10 0	7 53	10 8	11 7	13 4	11 1	11 1	15 9	13 1	12 6	12 3	8 27
7	10 8	9 30	10 8	13 3	12 7	11 7	12 7	14 3	12 7	12 3	11 8	8 67
8	10 1	9 86	10 5	14 8	11 4	14 5	12 9	14 6	12 0	14 3	12 2	9 26
9	9 95	10 8	13 5	13 9	12 4	14 2	14 5	12 9	13 2	13 1	13 1	10 5
10	9 56	11 6	14 3	11 6	14 2	12 6	14 7	13 0	14 3	11 7	14 0	10 9
11	9 55	13 4	14 7	12 1	13 3	12 7	15 0	14 1	15 8	11 3	14 6	10 8
12	10 2	12 3	14 2	13 3	13 6	12 5	15 2	12 6	16 4	9 24	14 1	9 83
13	10 8	13 7	14 9	12 0	13 8	11 6	16 5	10 2	15 2	6 20	14 6	8 03
14	11 9	12 7	14 9	10 9	14 9	11 1	15 1	8 23	15 6	4 07	14 8	7 59
15	13 1	11 6	14 1	10 5	13 9	11 6	15 6	6 96	13 2	4 43	13 6	7 61
16	12 6	10 6	14 0	10 7	14 3	10 3	14 8	6 08	12 5	4 24	13 4	7 51
17	12 7	10 7	12 3	11 3	14 0	8 63	13 4	8 51	11 5	4 66	13 4	6 99
18	7 51	11 8	13 3	10 3	13 5	8 09	13 2	9 13	11 1	6 34	12 2	6 66
19	8 01	12 2	12 8	8 86	13 1	8 16	11 8	9 13	12 8	6 97	12 6	7 87
20	7 69	12 0	12 5	9 85	12 2	8 22	11 9	10 20	14 7	5 58	11 8	8 91
21	8 00	12 1	11 4	10 7	11 2	9 97	11 6	9 27	12 6	7 66	10 7	10 5
22	8 77	11 4	11 3	8 84	10 2	10 7	12 1	9 34	13 7	9 73	11 0	11 2
23	8 60	11 5	11 8	7 52	12 0	9 89	13 3	12 1	15 1	10 2	12 3	12 6
24	9 22	10 1	12 5	8 65	11 4	11 2	13 7	10 4	16 1	11 5	14 9	12 5
25	9 72	11 1	13 4	8 85	12 9	11 8	12 7	12 1	16 4	10 8	12 9	14 4
26	9 14	12 2	12 4	9 33	13 0	11 3	14 8	13 6	17 0	10 8	14 1	13 2
27	11 2	11 6	11 3	13 9	13 2	10 6	15 1	13 3	17 2	7 71	16 0	12 3
28	10 5	13 0	11 2	14 8	12 9	12 1	17 3	10 3	17 7	6 93	15 2	10 2
29	11 1	11 9	10 9	14 6	13 1	12 6	16 9	9 7	-----	-----	14 1	9 42
30	10 9	12 1	12 0	13 0	14 7	11 0	16 3	10 7	-----	-----	13 3	9 03
31	9 68	12 5	-----	-----	13 7	9 98	15 4	10 2	-----	-----	10 3	9 25
April		May		June		July		August		September		
1	11 2	9 16	11 9	8 44	10 5	10 0	11 5	8 79	8 99	11 1	10 1	11 4
2	11 4	9 55	10 6	8 51	9 82	10 3	10 4	10 1	10 4	9 88	12 1	11 3
3	10 5	10 1	14 6	8 18	10 8	10 4	10 8	10 4	10 6	10 5	11 8	12 9
4	10 4	10 8	12 7	7 30	10 9	11 5	11 6	9 80	10 6	11 7	12 3	13 3
5	10 7	11 5	12 6	8 21	11 6	10 9	10 4	10 7	11 3	12 5	13 8	12 3
6	11 3	12 7	13 5	8 35	11 8	9 62	11 1	11 2	12 2	11 0	12 6	11 1
7	9 15	14 9	14 1	8 76	11 9	9 43	12 1	11 8	13 2	11 1	14 0	9 11
8	11 4	12 5	14 7	9 00	12 8	9 17	11 7	11 1	13 1	10 1	13 4	10 7
9	11 2	11 6	14 7	8 92	13 7	8 89	12 8	10 4	12 9	10 9	13 3	9 89
10	11 6	12 1	14 7	9 43	13 5	7 57	13 3	9 53	12 6	11 1	12 6	9 89
11	10 5	12 0	15 6	7 82	13 7	6 90	13 2	10 6	11 8	10 8	11 9	10 7
12	10 9	10 6	14 6	8 69	14 0	6 88	13 6	10 1	12 7	10 3	10 8	11 0
13	10 6	10 3	12 9	9 34	14 8	6 19	13 0	9 96	12 0	10 5	10 7	10 6
14	11 8	8 01	12 3	8 90	14 6	6 81	13 3	9 87	11 4	12 6	10 9	10 5
15	10 6	9 25	12 8	9 96	14 8	6 23	12 3	10 7	10 3	11 5	10 6	11 8
16	10 1	9 36	12 7	9 87	14 0	7 70	11 7	13 0	11 0	11 5	12 0	11 1
17	9 72	9 34	12 4	11 4	14 3	7 77	11 3	12 7	11 6	11 8	11 0	11 3
18	10 9	10 4	12 7	11 5	14 8	8 38	11 9	11 3	12 3	11 6	12 0	10 1
19	11 2	11 0	11 4	12 9	14 7	9 39	11 3	12 6	12 0	11 2	13 3	9 66
20	11 0	11 2	12 6	12 8	13 8	10 0	12 6	11 6	13 2	9 95	15 6	4 24
21	10 8	11 0	12 4	13 2	14 5	10 6	12 7	11 3	12 1	9 55	17 1	3 29
22	11 6	11 7	13 3	13 6	15 1	9 86	13 9	10 6	15 1	7 86	15 8	2 38
23	12 7	12 0	13 6	13 7	16 5	9 30	13 8	10 2	14 1	7 42	13 3	1 54
24	12 4	11 9	14 2	12 2	14 9	8 41	11 9	10 2	12 2	9 46	12 4	1 65
25	13 9	10 6	14 8	11 6	14 7	8 36	11 8	10 4	12 0	7 76	12 1	2 47
26	14 7	9 43	14 1	12 0	13 2	9 09	11 2	10 1	12 5	6 67	11 9	3 61
27	14 2	9 12	13 0	11 5	12 9	8 46	11 2	10 1	12 2	6 65	10 5	4 67
28	14 2	7 16	12 9	10 9	13 7	9 03	11 0	9 85	10 9	8 05	11 3	4 22
29	12 9	7 83	13 6	10 3	12 7	8 08	10 9	10 5	9 82	8 79	11 4	3 08
30	12 4	8 54	12 2	10 0	11 8	8 47	10 3	10 2	9 00	9 61	13 2	4 13
31	-----	-----	12 3	10 1	-----	-----	9 57	10 3	9 17	11 6	-----	-----

## 2-2861 5 Hollywood Canal at Dania, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	12 5	6 59	11 8	13 9	12 0	13 0	14 5	11 5	13 1	8 99	12 5	9 40
2	14 1	7 85	12 8	12 1	11 9	11 0	14 5	11 3	12 4	8 09	13 0	9 70
3	13 8	6 05	12 6	11 2	11 6	11 8	14 0	10 1	10 9	9 17	12 8	7 80
4	12 9	6 71	11 8	10 9	11 1	9 50	13 6	9 00	11 8	7 96	12 1	8 20
5	14 3	8 04	12 6	10 4	10 9	9 00	13 0	8 00	10 8	9 39	11 4	8 00
6	13 3	8 24	12 3	8 41	10 8	9 80	12 3	7 80	9 37	6 89	10 9	7 00
7	13 6	7 85	11 6	9 43	10 5	9 20	11 1	6 90	9 15	4 95	10 5	7 30
8	12 0	7 67	11 8	9 16	10 6	9 50	10 1	8 00	8 67	6 84	10 7	7 10
9	11 9	7 97	10 3	9 64	10 8	9 00	9 75	8 40	7 33	6 76	10 1	7 90
10	12 0	7 83	9 62	11 7	10 5	9 80	9 40	8 50	8 60	7 18	10 0	8 20
11	11 1	7 50	9 62	11 3	10 7	10 2	9 60	8 60	10 4	7 14	10 8	9 00
12	9 97	8 47	10 6	9 84	10 9	10 2	9 70	8 80	10 0	9 24	11 2	9 50
13	10 7	9 12	10 3	9 99	10 8	10 1	10 0	9 40	12 3	10 3	13 0	10 1
14	10 9	9 69	10 1	10 2	10 6	10 0	10 2	9 60	12 7	10 8	12 8	10 8
15	12 3	8 47	11 5	8 92	10 5	10 9	10 7	10 2	13 0	11 2	13 1	11 1
16	12 2	7 83	11 4	9 51	10 7	11 1	10 8	9 40	13 2	11 0	13 0	11 0
17	11 0	8 77	10 8	9 93	10 8	10 8	11 1	9 20	13 1	9 02	14 0	10 0
18	12 6	7 33	11 5	9 76	11 0	11 0	11 5	9 30	12 1	10 2	13 1	9 40
19	11 8	8 83	10 5	8 59	11 0	11 0	12 1	9 20	11 0	8 36	12 1	9 70
20	11 0	8 42	9 46	9 57	11 0	10 5	12 9	9 10	11 5	7 16	11 5	8 90
21	10 5	8 19	9 95	8 50	11 0	9 80	13 0	9 00	11 8	7 60	11 0	8 70
22	11 5	7 49	9 90	9 00	11 0	9 60	11 9	9 40	11 0	9 84	10 8	7 00
23	10 9	7 23	9 80	8 80	11 2	9 50	11 1	10 0	9 93	8 41	10 7	5 80
24	8 47	8 30	9 75	9 30	11 5	10 0	11 3	10 8	11 6	9 03	10 8	6 50
25	8 44	8 26	10 0	9 80	11 8	10 6	13 1	9 20	11 0	10 5	11 1	7 00
26	8 07	9 15	10 2	10 5	12 2	11 0	12 5	9 46	11 7	10 7	11 8	11 0
27	8 48	10 2	10 6	11 0	12 8	12 0	12 7	10 8	11 9	11 0	12 1	13 9
28	8 76	11 6	10 9	12 0	13 0	12 5	11 9	12 3	12 4	9 43	12 3	13 8
29	10 0	11 0	11 2	11 7	13 9	14 0	12 2	10 5	12 1	7 89	12 6	11 9
30	10 6	12 1	11 8	13 2	13 8	13 0	13 2	9 58	-----	-----	12 4	9 50
31	11 0	14 2	-----	-----	14 0	12 9	13 6	10 3	-----	-----	12 3	9 96
April			May		June		July		August		September	
1	11 4	9 61	12 4	6 51	12 5	7 50	12 2	7 70	12 9	9 00	12 1	9 20
2	10 5	10 9	12 5	5 83	11 9	6 46	12 6	8 40	13 7	9 10	12 3	9 70
3	10 6	9 10	10 7	6 24	13 2	7 95	12 9	8 00	13 9	9 40	12 9	8 60
4	10 5	9 92	9 35	7 01	11 9	7 04	13 2	8 40	13 3	10 1	13 1	9 60
5	10 1	8 99	9 33	7 40	12 0	6 87	13 7	8 65	13 1	10 9	13 4	10 1
6	9 37	10 4	10 1	7 27	11 4	7 67	13 8	8 40	14 0	10 9	13 5	11 0
7	9 82	9 47	10 7	7 91	11 5	7 01	13 7	8 80	14 8	10 8	13 0	11 8
8	10 0	10 3	11 8	9 35	14 4	7 44	14 0	9 18	14 9	10 9	12 3	9 80
9	11 1	10 8	12 4	10 5	15 0	8 09	14 7	8 95	14 9	11 0	12 0	9 30
10	12 4	12 0	13 7	11 3	14 3	7 66	14 0	9 60	14 8	11 1	11 5	9 10
11	12 9	12 6	14 2	12 6	15 3	9 35	15 5	9 50	13 1	10 5	11 3	8 75
12	13 2	13 3	14 1	12 1	15 6	8 04	14 9	9 30	12 1	10 7	10 8	7 95
13	13 1	14 2	15 1	10 7	15 9	6 95	14 0	9 10	12 1	9 80	10 1	6 80
14	13 8	11 9	14 5	10 4	14 0	6 98	13 2	8 80	12 9	8 80	9 20	5 80
15	13 9	11 7	13 9	9 74	14 6	6 69	13 0	8 65	12 1	7 50	8 80	6 40
16	13 0	10 1	14 0	9 03	13 9	6 84	12 8	8 45	11 6	7 15	8 95	7 60
17	13 0	10 2	13 2	8 98	13 1	7 18	12 9	8 07	11 1	6 20	9 30	9 98
18	12 3	9 48	12 3	8 46	12 0	7 40	13 1	7 69	10 8	6 55	9 95	10 8
19	11 3	11 3	11 7	9 67	10 5	6 80	12 8	7 30	10 9	6 80	10 3	11 1
20	11 7	10 8	10 8	10 6	10 7	7 00	12 0	7 00	11 2	7 40	10 9	12 0
21	10 8	10 1	10 8	9 03	10 6	7 55	10 8	8 40	11 8	8 10	11 2	11 1
22	11 0	10 3	11 2	9 77	10 4	7 40	10 9	9 40	12 1	9 00	12 1	12 8
23	11 4	11 6	10 7	9 63	10 8	7 55	11 2	9 18	13 1	9 60	11 0	14 0
24	11 6	11 4	11 8	9 02	10 9	7 76	11 9	9 15	14 0	10 0	12 3	13 0
25	11 5	12 3	11 4	9 32	10 9	8 00	11 0	9 60	14 9	10 5	13 5	10 4
26	11 5	12 3	12 5	8 24	11 0	7 80	12 0	10 7	16 0	8 15	13 0	9 75
27	11 8	12 2	12 2	9 51	11 3	7 79	12 6	11 3	19 0	5 85	11 7	11 3
28	12 3	10 6	12 4	8 35	12 0	7 45	12 9	10 9	20 9	5 00	10 5	10 6
29	12 5	9 08	11 4	8 79	12 5	7 20	13 0	10 3	17 0	6 50	10 5	11 7
30	13 0	7 17	11 5	7 16	12 0	7 40	13 1	9 40	14 2	7 80	10 9	10 6
31	-----	-----	11 7	7 82	-----	-----	13 2	9 18	12 2	8 60	-----	-----



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2861 5 Hollywood Canal at Dania, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October		November		December		January		February		March		
1	10 9	11 3	14 0	7 31	12 3	8 83	12 1	10 4	11 1	11 1	12 5	9 14
2	11 5	11 5	13 1	7 95	12 2	9 82	11 9	11 0	11 3	10 3	13 1	10 5
3	11 6	11 4	13 9	9 91	12 2	9 24	11 1	11 0	11 9	9 25	13 3	9 74
4	11 8	12 1	13 9	9 03	13 3	7 72	11 3	11 3	12 1	9 31	14 2	8 94
5	11 7	11 9	14 2	8 42	13 2	7 34	11 0	11 1	12 6	9 15	14 3	8 53
6	12 0	11 4	14 3	7 87	12 7	6 60	11 0	10 3	11 8	9 99	14 2	8 43
7	11 6	12 3	14 0	7 53	12 1	6 01	11 1	10 2	12 4	9 08	13 6	8 17
8	10 8	12 3	13 3	6 44	11 9	6 28	11 4	10 0	12 7	6 49	13 4	6 61
9	10 8	11 3	13 0	6 32	11 8	7 67	11 4	9 32	11 6	8 09	13 6	6 61
10	10 6	10 2	12 2	6 58	10 6	7 65	11 6	9 35	13 4	7 76	13 4	7 48
11	9 85	10 7	12 2	6 42	10 9	8 14	11 3	10 1	12 0	9 21	12 1	7 89
12	8 30	6 47	11 1	7 25	11 2	8 05	11 1	9 72	11 8	10 5	12 0	8 89
13	7 75	4 86	11 7	7 04	11 2	8 11	11 3	9 87	12 1	10 6	11 7	9 85
14	5 41	7 10	11 5	7 19	11 2	8 74	11 3	11 5	12 5	11 8	12 0	10 2
15	7 09	5 18	11 5	8 80	11 5	8 28	11 7	12 4	13 3	11 0	12 5	10 6
16	9 75	4 17	13 0	8 09	11 9	12 4	12 0	12 7	13 1	11 5	12 9	10 8
17	11 0	6 18	12 9	9 64	12 1	14 2	12 6	10 7	13 7	12 2	13 1	10 6
18	11 9	7 57	13 4	10 9	13 2	12 4	12 2	12 6	13 6	11 4	14 1	8 83
19	13 9	7 66	12 8	11 7	13 0	13 1	13 6	11 9	13 6	10 9	13 4	7 54
20	14 4	8 38	13 5	11 2	13 9	12 9	13 4	11 1	12 8	10 8	12 9	7 38
21	14 4	10 1	13 6	11 6	14 6	12 3	13 4	10 7	12 1	10 1	12 4	7 18
22	13 5	10 5	13 7	10 2	13 6	10 6	12 5	10 4	12 2	7 56	12 5	7 34
23	15 4	9 73	13 9	8 73	13 2	10 5	12 2	9 97	11 6	8 51	11 6	7 79
24	15 6	9 18	12 7	9 37	12 2	11 3	12 0	8 86	11 8	6 78	11 1	7 44
25	14 5	8 16	12 2	8 92	13 0	10 2	10 8	8 01	13 2	4 67	9 74	7 15
26	14 2	8 23	12 9	8 72	11 4	11 0	10 8	8 63	12 6	3 70	9 01	7 14
27	13 4	8 23	12 0	7 84	12 1	10 1	9 98	8 49	11 9	4 53	9 68	6 12
28	13 2	9 17	11 9	8 60	11 2	9 73	10 3	9 00	13 0	6 52	10 1	7 18
29	13 7	7 41	13 1	6 52	10 9	7 94	10 7	9 69	-----	-----	9 76	7 08
30	13 6	6 96	12 2	7 99	11 2	9 04	11 1	9 95	-----	-----	10 1	8 84
31	13 3	7 32	-----	-----	11 5	9 63	11 1	9 78	-----	-----	10 1	9 04
April		May		June		July		August		September		
1	10 7	11 0	11 2	12 3	10 4	11 3	15 2	11 6	16 2	8 38	13 0	10 9
2	11 5	9 98	11 3	12 0	10 3	11 2	14 6	10 8	15 6	8 06	12 1	11 2
3	11 0	11 1	11 6	11 0	10 1	11 1	14 0	11 4	16 3	7 40	10 5	12 2
4	12 1	10 6	10 1	10 8	9 89	10 8	13 8	10 8	15 1	7 12	10 5	12 5
5	11 8	8 61	9 81	10 8	9 73	10 7	13 7	10 6	14 0	7 70	9 21	12 5
6	11 5	8 07	10 2	9 4	9 79	10 9	12 5	10 5	12 9	8 89	8 97	12 9
7	11 2	8 31	10 5	9 02	9 33	11 0	11 3	12 4	12 1	9 68	5 61	18 6
8	11 4	8 16	9 87	9 36	9 28	11 0	11 3	12 3	11 6	10 9	6 43	22 0
9	9 22	9 49	9 54	10 8	9 70	10 2	11 5	12 6	11 6	11 4	14 8	7 74
10	9 50	10 7	9 62	12 1	9 89	11 3	11 6	12 0	11 8	11 8	14 5	9 72
11	9 91	11 0	8 25	11 7	9 60	11 8	11 3	11 9	12 4	10 9	14 4	10 3
12	9 52	12 4	8 34	12 8	10 0	9 62	10 9	12 6	12 7	11 8	14 9	9 71
13	9 91	12 6	9 59	11 5	11 80	9 23	11 3	11 1	13 3	10 8	14 5	10 7
14	10 6	13 0	9 06	10 6	14 0	9 60	11 6	10 6	13 2	11 3	14 5	10 8
15	10 3	13 5	9 56	11 6	13 0	9 43	11 9	10 6	13 1	10 7	13 9	9 79
16	10 7	11 6	9 94	10 7	13 5	9 30	11 8	10 0	12 3	11 2	14 1	8 78
17	9 95	10 9	10 5	9 43	12 8	9 18	12 6	9 17	13 5	10 0	14 3	7 96
18	11 4	9 15	10 2	9 00	12 3	9 16	13 3	7 20	13 2	9 74	13 2	8 15
19	9 92	9 06	10 1	8 51	14 0	7 05	14 2	7 31	12 7	9 82	14 4	8 74
20	9 64	8 33	8 58	8 54	14 2	5 30	14 5	5 81	12 5	10 6	13 4	10 1
21	8 85	8 37	8 84	8 34	14 4	5 51	13 3	5 44	10 9	11 8	12 7	12 5
22	8 34	7 95	9 02	7 79	14 9	5 39	12 7	6 02	11 1	12 4	13 2	13 6
23	8 32	8 26	8 62	8 21	15 0	6 79	12 1	6 65	11 3	12 8	13 7	11 7
24	8 30	8 56	8 92	8 97	14 4	7 92	13 3	8 43	12 6	14 0	14 5	15 4
25	9 00	8 79	8 75	9 35	14 0	8 40	14 3	8 64	13 0	14 3	15 0	14 3
26	7 73	10 3	8 28	10 1	14 6	9 04	14 1	9 88	13 8	14 6	16 5	12 5
27	9 20	9 21	8 68	9 95	14 2	9 57	14 0	11 1	13 8	14 4	16 5	11 2
28	10 2	9 28	9 98	10 5	14 3	10 0	14 8	11 1	14 4	13 0	16 5	10 1
29	9 59	10 7	9 62	10 7	14 1	10 9	16 0	11 9	14 6	12 3	14 3	10 9
30	10 2	12 0	10 2	11 6	14 5	12 6	16 7	9 30	14 0	12 1	12 6	11 5
31	-----	-----	10 5	11 2	-----	-----	16 8	9 47	13 6	12 5	-----	-----

2-2861 8 Snake Creek Canal at S-30, near Hialeah, Fla

Location --Lat 25°57'23", long 80°25'54", in SW<sup>1</sup>/<sub>4</sub> sec 34, T 51 S, R 39 E, Broward County, at upstream side of bridge on U S Highway 27, 20 ft from right (south) bank, 150 ft upstream from control structure 30, 0.4 mile downstream from levee 33, 13.5 miles northwest of Hialeah, Dade County, and 18.5 miles upstream from mouth

Records available --May 1963 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Extremes --1963 No discharge during period May to September (control closed), maximum gage height, 6.50 ft Sept 26, minimum, 3.41 ft May 21  
 1963-64 Maximum discharge during water year, 104 cfs Sept 25, maximum gage height, 6.44 ft Oct 2, no flow for many days, minimum gage height, 4.28 ft Apr 24  
 1964-65 Maximum discharge during year, 181 cfs May 21, maximum gage height, 6.56 ft Dec 6, no flow for many days, minimum gage height, 3.15 ft June 6

Remarks --Records good Flow is regulated at structure 30 Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, SEPTEMBER 1964

DAY	SEPT	DAY	SEPT	DAY	SEPT	DAY	SEPT	DAY	SEPT
1	0	7	0	13	0	19	15	25	49
2	0	8	0	14	0	20	50	26	54
3	0	9	0	15	0	21	50	27	49
4	0	10	0	16	0	22	50	28	49
5	0	11	0	17	0	23	59	29	49
6	0	12	0	18	0	24	49	30	49
TOTAL									572
MEAN									19.1
MAX									59
MIN									0
AC-FT									1,130

Note --No flow May 7, 1963, to Sept 18, 1964

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	54						0	0	107			
2	49						0	0	106			
3	49						0	0	108			
4	49						0	0	108			
5	49						0	40	104			
6	49						0	137	103			
7	49						0	59	97			
8	44						0	0	57			
9	18						0	0	0			
10	0						0	0	0			
11	0						0	0	0			
12	0						0	10	0			
13	0						0	23	0			
14	0						0	23	0			
15	0						0	27	0			
16	0						0	32	0			
17	0						0	27	0			
18	0						0	64	0			
19	0						0	90	0			
20	0						0	89	0			
21	0						0	122	0			
22	0						0	136	0			
23	0						0	130	0			
24	0						0	125	0			
25	0						0	125	0			
26	0						16	120	0			
27	0						0	119	0			
28	0						0	118	0			
29	0						0	116	0			
30	0						0	116	0			
31	0						-----	111	-----			
TOTAL	410	0	0	0	0	0	16	1,959	790	0	0	0
MEAN	13.2	0	0	0	0	0	0.5	63.2	26.3	0	0	0
MAX	54	0	0	0	0	0	16	137	108	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	813	0	0	0	0	0	32	3,890	1,570	0	0	0

CAL YR 1964: MEAN 2.68 MAX 59 MIN 0 AC-FT 1,940  
 WAT YR 1965: MEAN 8.70 MAX 137 MIN 0 AC-FT 6,300

2-2862 Snake Creek Canal at N W 67th Avenue, near Hialeah, Fla

Location --Lat 25°57'50", long 80°18'40", in SW<sup>1</sup> sec 36, T 51 S, R 40 E, Broward County, near center of span on downstream side of bridge at N W 67th Avenue, 6 miles north of Hialeah, Dade County, 10 9 miles upstream from salinity-control structure 29, and 11 miles upstream from mouth

Records available --March 1962 to September 1965 November 1959 to February 1962 (gage heights only), available in files of district office

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark) Prior to Mar 15, 1962, water-stage recorder 10 ft downstream at same datum

Extremes --Maximum and minimum discharges for the period March 1962 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1962	June 18, 1962	609	a 3 60	Apr 1, 1962	-148	b 1 18
1963	Sept 25, 1963	c 751	d 3 67	May 24, 1963	-107	e 1 84
1964	May 2, 1964	805	f 3 61	June 2, 1964	-74	g 1 63
1965	Feb 24, 1965	711	h 4 22	Sept 8, 1965	1 -537	j 1 42

a Occurred June 30, 1962 (estimated) b Occurred May 30, 31, 1962 c Estimated d Occurred Feb 12, 1963 e Occurred May 1, 1963 f Occurred May 1, 1964 g Occurred Aug 25, 1964 h Occurred Sept 8, 1965 (estimated) i From hurricane tide j Occurred Sept 6, 1965

Note --Negative figures indicate reverse flow

1962-65 Maximum discharge, 805 cfs May 2, 1964, maximum gage height, 4 22 ft (estimated) Sept 8, 1965, maximum reverse flow, 537 cfs Sept 8, 1965, from hurricane tide, minimum gage height, 1 18 ft May 30, 31, 1962

Remarks --Records good prior to Oct 1, 1964, fair thereafter Flow affected by regulation at structure 29, at times by tide, and is occasionally reversed Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1962												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						-	7	-6	12	354	237	279
2						-	7	-12	-6	387	259	279
3						-	0	-12	-6	406	303	283
4						-	-2	2	-6	379	257	279
5						-	-2	32	-6	361	238	284
6						-	-2	47	18	319	238	311
7						-	0	20	31	364	236	292
8						-	27	13	57	418	204	334
9						-	0	2	52	371	202	358
10						-	-7	-2	33	348	183	338
11						-	0	2	59	367	176	313
12						-	0	-2	60	428	192	309
13						-	-2	-20	74	372	213	302
14						-	-7	-7	68	354	307	248
15						-	-13	-2	105	348	333	230
16						20	2	-13	165	354	339	202
17						7	-20	-6	346	354	355	252
18						2	-13	-13	484	317	351	341
19						2	-6	-19	385	283	315	317
20						2	-13	-19	411	327	312	344
21						20	-13	-6	400	321	279	451
22						20	-6	12	386	293	281	515
23						26	-6	-25	348	291	243	489
24						27	-13	-25	348	278	241	470
25						20	-6	-31	350	223	238	478
26						54	0	-30	306	242	204	444
27						34	6	-30	300	263	210	383
28						20	-6	-24	267	234	247	336
29						13	-6	-30	238	189	284	336
30						20	-6	-24	320	211	281	358
31						7	-----	-24	-----	241	282	-----
TOTAL							-100	-252	5,599	9,997	8,040	10,155
MEAN							-3 3	-8 1	187	322	259	338
MAX							27	47	484	428	355	515
MIN							-20	-31	-6	189	176	202
AC-FT							-198	-500	11,110	19,830	15,950	20,140

Note --Negative figures indicate reverse flow

## 2-2862 Snake Creek Canal at N W 67th Avenue, near Hialeah, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	366	243	211	166	165	188	80	40	36	252	63	240
2	374	228	212	158	180	174	103	34	36	153	69	242
3	370	228	212	158	157	173	81	139	43	147	76	227
4	342	229	212	158	175	173	95	344	57	193	55	210
5	306	220	219	158	168	188	87	362	197	155	61	296
6	306	212	214	150	160	157	87	360	237	140	61	349
7	291	197	214	150	152	149	176	257	217	117	61	355
8	284	204	206	166	151	149	141	240	102	102	68	349
9	200	336	214	167	166	149	112	52	239	87	67	366
10	167	402	198	167	166	164	96	59	248	66	60	381
11	141	303	205	174	158	156	96	66	243	87	60	358
12	153	259	205	190	284	163	88	72	227	118	61	345
13	197	266	197	400	170	170	65	36	211	95	48	346
14	191	265	189	208	372	162	50	21	242	87	48	338
15	191	235	204	192	365	133	50	21	270	94	54	357
16	176	194	197	186	355	118	43	14	261	79	82	357
17	190	188	204	186	358	124	42	14	278	62	68	283
18	168	196	197	178	318	124	49	7	336	57	63	270
19	183	212	197	161	273	116	49	-7	455	57	166	275
20	176	212	204	176	344	123	42	-7	380	94	373	531
21	176	212	204	161	293	79	34	14	306	65	464	598
22	190	219	204	153	278	72	34	14	278	62	466	587
23	191	197	211	168	249	65	34	49	222	102	446	561
24	199	197	196	153	249	65	34	50	192	72	354	610
25	191	196	212	137	248	65	34	36	192	50	390	726
26	184	196	204	159	240	79	47	36	290	64	385	688
27	161	196	196	159	239	79	27	35	387	64	376	668
28	161	195	196	144	216	86	20	28	428	57	283	635
29	183	203	196	128	-----	123	20	21	492	49	254	619
30	191	211	173	151	-----	102	26	29	414	49	246	612
31	234	-----	166	143	-----	73	-----	43	-----	56	231	-----
TOTAL	6,833	6,851	6,269	5,095	6,879	3,941	1,942	2,276	7,648	2,952	5,559	12,773
MEAN	220	228	202	164	246	127	64	73	255	95	179	426
MAX	374	402	219	208	400	188	176	362	492	252	466	726
MIN	141	188	166	128	151	65	20	-7	36	49	48	210
AC-FT	13,550	13,590	12,430	10,110	13,640	7,820	3,850	4,510	15,170	5,860	11,030	25,330

CAL YR 1962: TOTAL - MEAN - MAX - MIN - AC-FT -  
WAT YR 1963: TOTAL 69,018 MEAN 189 MAX 726 MIN -7 AC-FT 136,900

Note --Negative figures indicate reverse flow

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	599	249	127	484	127	90	72	701	93	150	179	619
2	583	186	224	445	112	89	72	764	209	144	193	604
3	383	142	376	426	104	89	71	756	486	143	185	598
4	574	113	349	379	196	74	64	732	614	143	184	486
5	541	213	262	365	396	96	64	656	609	136	191	421
6	492	209	234	341	432	81	63	595	602	296	198	392
7	485	171	123	321	381	80	63	549	602	489	244	382
8	475	216	116	321	327	80	63	268	611	414	221	371
9	389	389	117	305	315	80	70	211	624	332	198	369
10	325	377	110	275	298	79	63	196	623	229	250	356
11	437	384	110	143	257	87	51	277	637	272	239	339
12	430	428	189	214	244	86	36	424	614	238	201	215
13	409	378	231	350	244	79	29	399	583	189	184	265
14	384	344	253	430	208	79	29	414	525	90	262	257
15	415	311	115	448	58	79	136	392	480	127	421	327
16	436	151	109	326	51	72	117	516	417	278	382	471
17	404	107	133	195	30	93	73	234	224	497	317	449
18	390	99	197	167	37	79	65	118	197	232	278	448
19	368	107	189	160	82	71	50	96	198	189	253	467
20	351	197	151	168	60	100	43	259	199	166	244	440
21	349	331	128	138	52	183	35	505	168	142	313	434
22	317	263	121	153	98	121	35	454	238	142	408	422
23	280	127	202	160	107	121	35	473	502	180	309	397
24	275	135	128	145	99	150	35	329	329	220	355	348
25	275	128	113	144	114	90	41	192	184	228	390	414
26	275	128	105	136	107	82	49	136	142	230	354	425
27	268	112	98	128	91	74	42	130	135	330	506	423
28	269	120	105	128	121	66	98	108	150	381	533	426
29	274	135	105	120	97	81	94	323	143	223	515	422
30	265	120	204	120	-----	80	531	130	150	187	469	416
31	264	-----	451	120	-----	80	-----	129	-----	172	489	-----
TOTAL	11,981	6,370	5,475	7,755	4,845	2,791	2,518	11,237	11,338	7,189	9,465	12,403
MEAN	386	212	177	250	167	90	83	362	378	232	305	413
MAX	599	428	451	484	432	183	531	764	637	497	533	619
MIN	264	99	98	120	30	66	29	94	93	90	179	215
AC-FT	23,760	12,630	10,860	15,380	9,610	5,540	4,990	22,490	22,490	14,260	18,770	24,600

CAL YR 1963: TOTAL 72,891 MEAN 200 MAX 726 MIN -7 AC-FT 144,600  
WAT YR 1964: TOTAL 93,367 MEAN 255 MAX 764 MIN 29 AC-FT 185,200

Note --Negative figures indicate reverse flow

## 2-2862 Snake Creek Canal at N W 67th Avenue, near Hialeah, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	383	541	461	210	217	261	153	85	69	65	438	234
2	439	523	384	371	337	329	131	92	76	72	447	220
3	476	526	278	231	344	228	131	84	89	64	419	220
4	524	508	206	173	204	596	130	77	82	57	418	202
5	550	528	396	196	191	565	123	91	61	50	417	196
6	520	495	569	218	207	485	116	149	82	42	390	226
7	493	462	446	195	333	435	101	92	265	35	364	226
8	466	470	317	188	434	386	108	56	255	35	342	68
9	486	430	365	188	202	299	122	70	198	28	327	471
10	476	325	473	188	196	176	100	62	435	42	307	454
11	463	320	380	231	204	170	100	62	397	35	314	431
12	562	306	206	194	204	171	93	69	205	127	322	402
13	590	305	215	194	204	166	100	104	386	324	358	365
14	573	307	209	201	196	171	92	134	497	558	347	333
15	660	316	209	201	211	178	85	71	482	456	301	331
16	634	316	210	209	227	186	99	70	426	354	312	327
17	599	283	210	186	226	178	92	49	387	335	343	353
18	555	353	216	193	203	193	92	70	397	350	346	344
19	537	339	249	193	203	192	84	98	515	471	336	337
20	489	299	238	201	195	191	92	77	601	596	335	341
21	400	305	225	186	218	177	99	105	526	532	327	343
22	373	309	215	379	227	163	85	119	479	433	311	370
23	379	454	209	337	393	179	85	126	442	386	294	393
24	376	531	209	343	590	178	92	91	399	389	247	422
25	308	512	209	282	510	170	157	91	379	385	145	407
26	322	445	210	217	354	148	130	97	370	378	126	402
27	420	419	247	212	228	140	115	97	342	365	173	391
28	424	418	521	237	222	117	107	90	310	393	255	394
29	622	457	447	215	-----	110	100	97	263	376	253	384
30	570	508	229	207	-----	124	85	97	71	379	245	373
31	556	-----	209	238	-----	124	-----	69	-----	382	230	-----
TOTAL	15,225	12,310	9,167	7,014	7,480	7,206	3,199	2,741	9,486	8,474	9,789	9,960
MEAN	491	410	296	226	267	232	107	88.4	316	273	316	332
MAX	660	541	569	379	590	596	157	149	601	596	447	471
MIN	308	283	206	173	191	110	84	49	61	28	126	68
AC-FT	30,200	24,420	18,180	13,910	14,840	14,290	6,350	5,440	18,820	16,810	19,420	19,760
CAL YR 1964:	TOTAL 106,243			MEAN 290		MAX 764	MIN 29	AC-FT 210,700				
WAT YR 1965:	TOTAL 102,051			MEAN 280		MAX 660	MIN 28	AC-FT 202,400				

2-2863 Snake Creek Canal at S-29, at North Miami Beach, Fla

Location --Lat 25°55'41", long 80°09'22", in SE¼ sec 9, T 52 S, R 42 E, on downstream side of Bridge on West Dixie Highway in North Miami Beach, Dade County, 25 ft from right bank, 0.3 mile upstream from salinity-control structure 29, and 0.4 mile upstream from mouth

Records available --January 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --6 years, 330 cfs (238,900 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the period January 1959 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1959	June 21, 1959	a 2,000	b 3 18	Many days	0	c -0 36
1960	Sept 11, 1960	d 2,430	d 3 55	do	0	e - 46
1961	Nov 2, 1960	f 1,530	g 3 21	do	0	h - 41
1962	Sept 25, 1962	2,170	i 2 97	do	0	j - 11
1963	Aug 22, 1963	2,530	k 3 07	July 2, 1963	0	m 18
1964	Sept 19, 1964	4,100	n 3 19	Many days	0	o - 48
1965	Mar 4, 1965	1,840	p 3 88	do	0	q - 69

a Maximum for period January to September d Occurred Sept 6, 1959 e Occurred Sept 4, 1959  
 Occurred Sept 10, 1960 e Occurred Nov 30, 1959 f Maximum daily discharge for flood event whose crest occurred during water year, maximum daily discharge during water year, 1,830 cfs Oct 1, occurred on recession following crest of Sept 23, 1960 g Occurred Jan 19, 1961 h Occurred Aug 23, 1961  
 i Occurred June 16, 1962 j Occurred July 26, 1962 k Occurred Feb 12, 1963 m Occurred Nov 10, 1962, June 19, 1963 n Occurred Aug 31, 1964 o Occurred July 7, 1964 p Occurred Sept 8, 1965  
 q Occurred Dec 7, 1964

1959-65 Maximum daily discharge, 4,100 cfs Sept 19, 1964, maximum gage height, 3.88 ft Sept 8, 1965, no flow for some days each year, minimum gage height, -0.69 ft Dec 7, 1964

Remarks --Records good except those below 100 cfs and those prior to Oct 1, 1962, which are fair Flow is affected by tide and is occasionally reversed Flow is regulated by the operation of salinity-control structure 29 and by some upstream pumpage for irrigation Discharge computed from continuous velocity record obtained from recording deflection meter, and head-discharge relations Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1959

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				951	0	0	110	0	0	492	756	989
2				898	0	0	73	0	0	679	756	868
3				1,030	0	0	0	0	0	625	872	806
4				979	0	0	0	0	0	405	998	538
5				36	0	0	0	0	0	351	1,200	671
6				54	302	0	0	0	0	411	1,240	763
7				0	676	0	0	0	0	432	954	781
8				0	264	0	0	0	298	516	845	794
9				0	0	0	0	0	0	720	859	728
10				0	0	0	0	0	226	741	967	780
11				0	0	0	0	0	199	627	855	838
12				0	0	0	0	0	0	564	766	989
13				0	0	0	0	0	0	557	714	700
14				0	0	0	0	0	0	568	710	880
15				0	0	0	0	0	0	534	856	569
16				0	0	0	0	0	0	730	956	667
17				0	0	0	0	0	717	799	933	746
18				0	0	0	0	0	1,340	759	790	664
19				0	0	381	0	0	1,600	781	700	577
20				0	0	1,410	0	0	1,840	904	670	896
21				0	0	1,020	0	0	2,000	938	721	1,210
22				0	0	1,050	0	0	1,770	1,390	778	1,040
23				34	0	540	0	0	1,470	730	785	1,110
24				211	0	145	0	0	1,760	714	410	770
25				89	0	206	0	0	1,610	694	773	759
26				0	0	281	0	0	1,210	1,020	802	749
27				0	0	204	0	0	747	1,280	731	625
28				0	0	73	0	690	695	964	657	562
29				0	-----	98	0	998	479	894	616	680
30				0	-----	98	0	342	354	874	556	625
31				0	-----	98	-----	0	0	608	741	-----
TOTAL				4,282	1,242	5,604	183	2,030	18,315	22,501	24,967	23,374
MEAN				138	44.4	181	6.10	65.5	611	726	805	779
MAX				1,030	676	1,410	110	998	2,000	1,390	1,240	1,210
MIN				0	0	0	0	0	0	351	410	538
AC-FT				8,490	2,460	11,120	363	4,030	36,330	44,630	49,520	46,360

## 2-2863 Snake Creek Canal at S-29, at North Miami Beach, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	742	867	264	594	48	31	0	93	489	78	661	647
2	837	550	452	170	47	29	0	348	45	67	701	237
3	1,010	383	369	182	39	25	0	633	859	34	650	604
4	1,020	570	274	181	34	37	0	1,230	647	0	544	1,060
5	968	582	197	203	36	43	0	378	1,220	69	555	1,030
6	903	475	189	181	48	30	0	125	799	104	506	1,230
7	872	678	228	179	24	14	0	81	605	228	522	1,370
8	848	655	226	157	0	0	0	792	866	103	538	1,320
9	670	622	116	161	0	0	0	535	1,230	125	470	1,050
10	687	531	122	52	0	0	0	57	1,350	103	280	1,060
11	648	483	134	19	0	495	0	0	1,260	91	179	2,430
12	545	518	102	27	0	0	0	12	1,060	93	168	2,180
13	305	821	77	65	0	0	0	0	963	632	179	1,800
14	220	687	103	63	0	0	0	0	832	633	1,010	1,660
15	96	348	108	61	0	0	0	47	654	660	986	1,510
16	744	319	107	59	0	0	0	0	724	534	707	1,290
17	942	238	106	59	0	0	0	0	226	495	858	1,240
18	1,250	696	76	50	95	605	0	0	582	500	718	943
19	1,200	1,420	77	48	78	339	0	0	766	522	327	139
20	1,350	1,550	67	49	13	0	0	0	978	506	0	212
21	1,360	1,680	66	51	0	235	0	0	1,240	469	0	212
22	1,010	1,680	63	50	0	185	0	0	1,090	425	0	1,550
23	922	1,240	104	52	141	0	35	0	753	176	0	2,350
24	901	983	1,440	32	119	0	1,150	55	55	56	365	2,110
25	912	1,090	1,090	28	86	0	1,220	0	0	39	497	1,960
26	903	988	987	27	95	0	1,180	0	186	205	467	2,140
27	648	1,050	933	27	65	0	1,390	0	251	536	418	1,980
28	796	1,320	901	27	29	0	1,320	294	294	508	328	1,830
29	872	1,270	874	27	30	0	1,110	104	283	538	260	1,700
30	940	801	227	63	-----	0	572	913	99	995	218	1,780
31	931	-----	386	66	-----	0	-----	906	-----	704	880	-----
TOTAL	26,042	25,095	10,465	3,010	1,027	2,068	7,977	6,254	20,406	10,228	13,992	40,604
MEAN	840	807	328	97.1	35.4	66.7	266	202	680	330	451	1,283
MAX	1,360	1,680	1,440	594	141	605	1,390	1,230	1,350	995	1,010	2,430
MIN	96	238	63	19	0	0	0	0	0	0	0	139
AC-FT	51,650	49,780	20,760	5,970	2,040	4,100	15,820	12,400	40,470	20,290	27,750	80,540
CAL YR 1959: TOTAL	164,100.00			MEAN 450		MAX 2,000	MIN 0		AC-FT 325,500			
WAT YR 1960: TOTAL	167,168.00			MEAN 457		MAX 2,430	MIN 0		AC-FT 331,600			

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,830	1,320	192	129	285	0	0	0	539	670	0	282
2	1,760	1,530	238	129	116	0	0	0	388	621	0	269
3	1,610	1,530	328	128	116	0	0	0	331	400	0	255
4	1,620	1,410	292	128	129	0	0	0	912	302	0	242
5	1,590	1,340	278	128	139	0	0	0	550	136	0	78
6	1,650	1,240	302	58	116	0	0	0	319	0	0	0
7	1,750	1,300	325	0	93	0	0	0	233	0	0	0
8	1,620	990	313	0	130	0	0	0	123	0	0	0
9	1,520	960	325	60	129	0	0	0	373	0	0	0
10	1,630	1,050	299	131	128	0	0	0	928	0	0	0
11	1,650	967	299	226	139	0	0	0	637	0	0	0
12	1,670	946	334	889	115	0	0	0	414	0	0	0
13	1,610	926	365	1,340	58	0	0	0	426	0	0	0
14	1,490	884	230	1,370	0	0	0	0	422	0	0	0
15	1,590	827	94	1,290	0	0	0	0	384	0	0	0
16	1,530	918	119	1,220	0	0	0	0	350	0	0	0
17	1,440	996	201	647	0	0	0	0	362	0	0	558
18	1,350	954	292	0	0	0	0	0	328	0	0	500
19	1,300	976	281	184	0	0	0	0	302	0	0	441
20	1,210	1,020	267	1,110	0	0	0	0	269	0	0	419
21	1,230	731	257	1,220	0	0	0	0	222	0	847	266
22	1,240	528	325	1,120	0	0	0	0	244	0	707	0
23	1,150	392	354	385	0	0	0	0	198	0	737	0
24	1,060	240	285	0	0	60	0	0	122	0	560	0
25	996	220	331	0	0	0	0	0	111	0	504	0
26	1,110	211	205	96	0	0	0	314	78	0	452	0
27	961	236	116	153	0	828	0	1,230	314	0	477	0
28	851	248	116	153	0	768	0	1,140	795	0	240	0
29	896	262	116	142	-----	752	0	1,170	914	0	676	0
30	866	262	128	330	-----	312	0	869	533	0	360	0
31	932	-----	128	486	-----	300	-----	621	-----	0	138	-----
TOTAL	42,732	25,406	7,715	13,252	1,693	3,040	0	5,344	12,121	2,129	5,698	3,310
MEAN	1,378	847	249	427	60.5	98.1	0	172	406	68.7	184	110
MAX	1,830	1,530	365	1,370	285	828	0	1,230	928	670	847	558
MIN	851	211	94	0	0	0	0	0	78	0	0	0
AC-FT	84,760	50,390	15,300	26,280	3,360	6,030	0	10,600	24,040	4,220	11,300	6,570
CAL YR 1960 TOTAL	131,417.00			MEAN 496		MAX 2,430	MIN 0		AC-FT 359,800			
WAT YR 1961 TOTAL	122,438.00			MEAN 335		MAX 1,830	MIN 0		AC-FT 242,900			

2-2863 Snake Creek Canal at S-29, at North Miami Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT.
1	0	0	0	0	0	0	0	0	0	632	355	273
2	0	0	0	0	0	0	0	0	0	702	374	528
3	0	0	0	0	0	0	0	0	0	582	861	526
4	0	0	0	0	0	0	0	0	0	605	632	649
5	47	0	0	0	0	0	0	0	0	533	335	534
6	0	0	0	0	0	0	0	0	0	508	335	497
7	0	0	0	0	0	0	0	0	0	799	313	662
8	0	0	0	0	0	0	0	0	0	680	327	454
9	0	0	0	0	0	0	0	0	0	713	316	392
10	0	0	0	0	0	0	0	0	0	807	305	632
11	236	0	0	0	0	0	0	0	0	1,110	338	291
12	199	0	0	0	0	0	0	0	0	978	363	631
13	0	0	0	0	0	0	0	0	0	807	484	327
14	0	0	0	0	0	0	0	0	0	773	632	0
15	0	0	0	0	0	0	0	0	0	788	677	0
16	94	0	0	0	0	0	0	0	143	850	759	0
17	93	0	0	0	0	0	0	0	896	821	741	373
18	0	0	0	0	0	0	0	0	966	687	713	578
19	0	0	0	0	0	0	0	0	937	588	756	571
20	0	0	0	0	0	0	0	0	967	616	760	683
21	0	0	0	0	0	0	0	0	978	576	458	1,470
22	0	0	0	0	0	0	0	0	1,030	538	344	2,050
23	0	0	0	0	0	0	0	0	758	653	333	1,800
24	0	0	0	0	0	0	0	0	656	710	341	2,020
25	0	0	0	0	0	0	0	0	308	233	338	2,170
26	0	0	0	0	0	0	0	0	554	572	327	2,090
27	0	0	0	0	0	0	0	0	538	567	501	2,050
28	0	0	0	0	0	0	0	0	429	482	501	1,530
29	0	0	0	0	-----	0	0	0	363	327	490	1,310
30	0	0	0	0	-----	0	0	0	437	338	578	1,120
31	0	-----	0	0	-----	0	-----	0	-----	352	567	-----
TOTAL	669	0	0	0	0	0	0	0	9,960	19,932	15,154	26,013
MEAN	21.6	0	0	0	0	0	0	0	332	643	489	867
MAX	236	0	0	0	0	0	0	0	1,030	1,110	861	2,170
MIN	0	0	0	0	0	0	0	0	0	233	305	0
AC-FT	1,330	0	0	0	0	0	0	0	19,760	39,530	30,060	51,400
CAL YR 1961	TOTAL	47,256.00		MEAN 129		MAX 1,370		MIN 0		AC-FT 93,730		
WAT YR 1962	TOTAL	71,726.00		MEAN 197		MAX 2,170		MIN 0		AC-FT 142,300		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	770	96	95	83	94	71	70	65	81	260	68	177
2	700	96	107	83	94	48	58	56	80	0	67	190
3	707	108	107	83	94	83	47	289	90	58	56	107
4	583	108	107	83	95	67	70	1,410	69	83	22	163
5	495	108	107	83	96	118	81	1,040	58	83	56	238
6	484	107	96	83	96	106	81	421	71	83	67	524
7	451	96	95	95	107	94	70	437	70	70	56	532
8	253	95	96	95	107	83	71	176	95	70	56	780
9	12	994	96	95	107	94	71	142	83	47	44	610
10	58	952	95	107	95	106	71	82	83	47	44	520
11	35	445	95	95	95	100	59	94	95	47	55	508
12	40	336	107	119	760	130	58	104	95	70	56	482
13	35	336	95	108	1,270	152	58	93	83	82	45	459
14	47	348	95	132	385	152	58	58	83	82	45	477
15	58	186	95	144	693	140	46	40	120	81	45	500
16	58	94	95	145	693	117	57	91	171	81	56	336
17	70	95	95	145	682	117	68	90	195	80	56	23
18	70	95	95	145	407	116	79	80	1,230	69	45	59
19	70	119	95	132	536	116	90	90	1,300	69	40	72
20	70	119	95	144	844	104	90	78	839	81	321	1,080
21	70	107	95	132	518	93	78	67	459	70	1,290	1,580
22	70	131	95	108	452	69	78	74	82	70	2,530	1,750
23	58	95	107	108	339	53	78	90	83	70	1,580	1,600
24	70	83	95	108	386	46	78	80	58	81	316	1,400
25	58	83	131	95	468	69	89	80	70	69	750	1,430
26	58	95	131	107	421	80	67	80	452	69	722	1,590
27	58	95	119	107	398	80	44	80	693	69	650	1,460
28	47	95	107	95	199	80	54	80	649	68	47	1,100
29	58	95	95	83	-----	69	65	68	950	80	106	1,160
30	58	107	95	94	-----	70	65	69	806	80	83	1,120
31	71	-----	83	95	-----	70	-----	81	-----	68	118	-----
TOTAL	5,748	5,906	3,117	3,331	11,037	2,924	2,049	6,119	9,296	2,343	9,498	22,311
MEAN	185	197	101	107	394	94.3	68.3	197	310	75.6	306	744
MAX	770	994	131	145	1,270	152	90	1,310	1,300	266	2,530	1,750
MIN	12	83	83	83	94	46	44	56	58	0	22	23
AC-FT	11,400	11,710	8,180	6,610	21,890	5,800	4,060	12,140	18,440	4,650	18,840	44,250
CAL YR 1962	TOTAL	85,830.00		MEAN 235		MAX 2,170		MIN 0		AC-FT 170,200		
WAT YR 1963	TOTAL	83,679.00		MEAN 229		MAX 2,530		MIN 0		AC-FT 166,000		



## 2-2863 Snake Creek Canal at S-29, at North Miami Beach, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	853	173	49	1,220	49	39	3.0	2,240	62	31	35	2,120
2	791	41	293	994	43	35	0	2,240	650	58	33	1,930
3	554	41	560	734	35	31	0	2,020	1,080	53	30	1,290
4	1,090	43	278	499	49	23	0	1,410	1,030	47	25	1,200
5	1,190	74	192	503	638	25	0	832	1,130	62	21	728
6	1,040	123	54	351	1,440	17	0	724	974	789	18	655
7	1,100	128	4.0	260	734	0	0	445	1,240	2,120	11	610
8	1,050	258	10	295	737	5.0	0	78	1,460	906	21	571
9	501	401	14	271	648	4.0	0	134	2,100	669	14	470
10	542	304	14	253	539	5.0	0	137	2,060	21	17	500
11	701	363	14	49	322	3.0	4.0	427	1,660	822	33	517
12	759	366	69	76	276	3.0	3.0	616	1,390	26	33	94
13	777	428	102	510	276	1.0	0	706	932	51	26	288
14	710	437	24	678	156	0	0	542	1,010	41	39	285
15	784	271	2.0	678	11	0	1.0	1,150	979	37	777	391
16	1,340	60	10	277	25	0	10	1,100	546	936	51	1,330
17	1,230	74	25	53	23	1.0	1.0	1.0	26	756	101	1,100
18	1,040	78	69	78	26	1.0	0	20	64	37	96	1,540
19	984	78	149	81	45	0	0	26	76	55	88	4,100
20	1,090	206	64	91	41	0	0	631	78	53	83	3,530
21	1,040	360	62	86	35	24	0	1,070	71	45	789	3,030
22	486	167	55	83	55	71	0	783	422	41	462	1,700
23	292	39	166	78	96	60	0	762	917	47	378	899
24	269	49	55	71	88	47	0	302	346	67	148	452
25	260	49	55	67	86	35	0	80	17	76	167	1,040
26	248	49	53	67	81	33	0	46	35	88	606	929
27	201	49	55	60	71	26	0	70	45	560	2,350	777
28	165	49	51	64	71	21	0	58	49	325	2,750	750
29	260	62	51	49	49	21	208	70	51	26	3,400	750
30	292	53	128	49	-----	17	1,700	93	45	39	1,960	750
31	244	-----	696	45	-----	6.0	-----	70	-----	35	1,550	-----
TOTAL	21,863	4,873	3,423.0	8,672	6,745	563.0	1,930.0	18,883.0	20,545	8,939	16,012	34,326
MEAN	705	162	110	280	235	18.2	64.3	609	685	288	517	1,144
MAX	1,340	437	696	1,220	1,440	71	1,700	2,240	2,100	2,120	3,300	4,100
MIN	165	39	2.0	45	11	0	0	1.0	17	21	11	94
AC-FT	43,360	9,670	6,790	17,200	13,380	1,120	3,830	37,450	40,750	17,730	31,760	68,080
CAL YR 1963	TOTAL	99,067.00		MEAN 271		MAX 2,530	MIN 0		AC-FT 196,500			
WAT YR 1964	TOTAL	146,774.00		MEAN 401		MAX 4,100	MIN 0		AC-FT 291,100			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	467	483	539	147	47	207	14	0	0	0	655	265
2	467	483	355	374	513	262	13	0	0	0	622	254
3	483	407	90	39	333	218	6.0	0	0	0	661	268
4	588	361	17	49	8	1,440	5.0	0	0	0	766	342
5	961	1,050	971	51	17	1,220	4.0	0	0	0	698	270
6	1,380	942	1,560	133	17	795	3.0	0	0	0	643	636
7	937	785	922	51	860	821	1.0	0	2.0	0	583	610
8	942	842	248	51	712	792	1.0	0	39	0	486	484
9	905	447	379	49	39	260	1.0	0	94	0	421	1,200
10	538	215	544	51	55	17	0	0	818	0	464	1,300
11	531	217	286	183	60	30	0	0	576	0	497	992
12	1,100	217	10	47	60	35	0	0	60	0	475	1,100
13	1,130	205	28	43	58	35	0	0	470	167	462	937
14	992	205	39	43	55	35	0	0	847	1,400	422	707
15	1,630	217	43	43	58	35	0	0	746	453	377	661
16	1,680	242	39	41	73	35	0	0	717	58	319	677
17	1,510	113	39	39	73	31	0	0	682	101	297	1,230
18	1,360	561	164	31	60	33	0	0	610	152	286	1,240
19	1,250	226	302	33	55	28	0	0	1,030	816	316	1,120
20	931	205	316	35	47	30	0	0	1,080	967	316	832
21	672	239	149	37	49	21	0	0	1,110	998	316	346
22	610	230	33	621	64	20	0	0	1,220	870	281	253
23	633	332	41	260	896	30	0	0	1,200	828	268	497
24	672	394	43	260	1,450	28	0	0	1,090	752	179	682
25	192	627	43	104	1,110	23	0	0	600	689	0	719
26	793	544	45	5.0	357	20	1.0	0	572	616	0	990
27	767	339	297	15	71	18	1.0	0	605	555	229	1,160
28	883	495	701	31	88	14	0	0	541	526	281	990
29	1,360	517	455	33	-----	11	0	0	249	576	324	891
30	1,120	577	26	30	-----	10	0	0	0	560	300	737
31	850	-----	39	45	-----	9.0	-----	0	0	576	289	-----
TOTAL	28,704	15,617	8,757	2,974.0	7,285.0	6,963.0	50.0	0	14,958.0	11,660	12,233	22,390
MEAN	926	521	282	95.0	260	225	1.67	0	499	376	395	746
MAX	1,840	1,050	1,560	621	1,450	1,440	14	0	1,220	1,400	766	1,300
MIN	192	113	10	5.0	8.0	9.0	0	0	0	0	0	253
AC-FT	56,930	30,980	17,370	5,900	14,450	13,810	99	0	29,670	23,130	24,260	44,410
CAL YR 1964	TOTAL	169,695.00		MEAN 466		MAX 4,100	MIN 0		AC-FT 336,600			
WAT YR 1965	TOTAL	131,591.00		MEAN 361		MAX 1,840	MIN 0		AC-FT 261,000			

2-2863 4 Biscayne Canal at S-28, near Miami, Fla

Location --Lat 25°52'24", long 80°10'55" in SE¼ sec 31, T 52 S, R 42 E, on upstream side of footbridge, 75 ft from north bank, 300 ft upstream from control structure 28, 0.5 mile upstream from U S Highway 1, 1 mile above mouth, and 1½ miles north of north boundary of Miami, Dade County

Records available --April 1962 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Extremes --Maximum and minimum discharges for the period April 1962 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1962	June 22, 1962	1,410	2 91	Sept 26, 1962	-248	a -0 34
1963	Mar 18, 1963	1,660	b 2 90	Nov 30, 1962	-538	c - 07
1964	Aug 31, 1964	2,060	d 2 71	Aug 26, 1964	-418	06
1965	Apr 1, 1965	1,160	e 4 22	Sept 8, 1965	-855	f 20

a Occurred May 8, 1962 b Occurred Nov 9, 1962 c Occurred June 18, 1962 d Occurred June 8, 1964 e Occurred Sept 8, 1965 f Occurred Apr 1, 1965

Note --Negative figures indicate reverse flow

1962-65 Maximum discharge, 2,060 cfs Aug 31, 1964, maximum gage height, 4 22 ft Sept 8, 1965, maximum reverse flow, 855 cfs Sept 8, 1965, from hurricane tide, minimum gage height, -0 34 ft May 8, 1962

Remarks --Records fair except those for period of no deflection record, which are poor Flow is at times affected by tide and is occasionally reversed Flow is regulated by the operation of salinity-control structure 28, 300 ft downstream

## DISCHARGE, IN CUBIC FEET PER SECOND, APRIL TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1							-	0	0	268	13	68
2							-	0	0	281	12	54
3							-	0	0	279	11	68
4							-	0	0	253	9.0	81
5							-	0	0	213	10	80
6							-	0	0	162	10	81
7							-	0	0	239	8.0	80
8							0	25	0	236	12	156
9							0	0	0	124	22	5.0
10							0	0	0	34	23	0
11							0	0	0	41	32	0
12							3	0	0	46	55	0
13							0	0	0	55	208	80
14							0	0	0	56	304	0
15							0	0	0	71	317	0
16							0	0	7.0	161	317	0
17							0	0	230	236	304	82
18							0	0	314	131	322	132
19							0	0	332	239	262	80
20							0	0	334	70	247	95
21							0	0	548	38	260	452
22							0	0	657	37	234	466
23							0	0	718	32	172	333
24							0	0	580	28	146	308
25							0	0	332	23	146	330
26							12	0	312	22	134	288
27							0	0	206	16	134	275
28							0	0	279	13	161	294
29							0	0	255	11	147	196
30							0	0	253	10	135	131
31							-----	0	-----	13	108	-----
TOTAL							-	25	5,357.0	3,438	4,275.0	4,215.0
MEAN							-	81	179	111	138	141
MAX							-	25	718	281	322	466
MIN							-	0	0	10	8 0	0
AC-FT							-	50	10,630	6,820	8,480	8,360

## 2-2863 4 Biscayne Canal at S-28, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.0	349	11	28	147	130	12	0	13	68	0	67
2	18	107	30	30	147	188	13	0	12	68	3.0	110
3	23	206	68	30	134	201	13	165	13	81	0	111
4	26	177	95	30	134	173	16	277	18	105	0	112
5	147	202	82	28	137	71	12	222	138	14	0	215
6	210	226	108	30	68	43	11	111	256	21	0	51
7	105	168	108	32	82	49	16	146	247	20	0	127
8	2.0	118	135	44	109	103	17	230	273	18	0	101
9	8.0	521	64	63	147	121	17	112	335	18	0	256
10	37	561	50	176	174	121	17	22	196	17	0	218
11	94	246	101	147	147	43	14	25	221	13	0	181
12	54	427	162	161	409	13	13	21	175	14	0	135
13	21	146	18	174	448	16	12	19	191	14	0	135
14	26	521	25	110	286	51	9.0	18	178	14	0	101
15	11	251	28	181	281	14	7.0	17	178	13	0	81
16	73	25	30	148	281	14	4.0	13	192	11	0	57
17	75	30	32	122	281	16	3.0	11	191	10	0	105
18	30	49	33	122	202	163	1.0	9.0	211	8.0	1.0	102
19	48	53	91	108	218	156	0	7.0	12	7.0	91	119
20	14	276	214	148	128	5.0	0	4.0	68	13	109	351
21	41	127	186	135	139	8.0	0	4.0	10	63	233	436
22	54	175	135	135	140	9.0	0	6.0	94	83	221	690
23	68	46	173	82	126	7.0	0	5.0	14	87	207	957
24	66	46	107	253	92	7.0	40	7.0	14	42	159	525
25	81	48	80	146	118	6.0	0	10	27	6.0	109	496
26	154	435	107	134	142	6.0	0	9.0	122	7.0	83	525
27	13	276	110	147	75	6.0	0	8.0	176	7.0	148	504
28	76	17	18	134	128	6.0	0	6.0	189	6.0	121	508
29	23	30	23	133	-----	7.0	0	5.0	230	4.0	134	504
30	28	353	28	121	-----	11	0	10	230	2.0	41	554
31	148	-----	28	147	-----	11	0	12	-----	1.0	86	-----
TOTAL	1,732.0	6,301	2,498	3,469	4,916	1,814.0	247.0	1,509.0	4,224	855.0	1,746.0	8,434
MEAN	55.9	210	80.6	112	176	58.5	8.23	48.7	141	27.6	56.3	281
MAX	210	561	214	253	444	201	40	277	335	105	233	636
MIN	2.0	17	11	28	68	5.0	0	1.0	10	1.0	0	51
AC-FT	3,440	12,500	4,950	6,880	9,750	3,600	490	2,990	8,380	1,700	3,460	16,730

CAL YR 1962 TOTAL 37,745.00 MEAN 103 MAX 836 MIN 0 AC-FT 74,870  
WAT YR 1963 TOTAL 37,745.00 MEAN 103 MAX 836 MIN 0 AC-FT 74,870

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	643	141	140	268	64	165	0	537	0	215	21	458
2	114	179	34	217	89	165	0	546	98	83	0	380
3	91	52	0	70	89	190	0	472	146	71	40	259
4	152	0	0	0	38	139	0	360	31	85	0	235
5	167	0	0	118	168	190	0	260	294	177	98	110
6	159	197	136	231	143	201	0	223	491	294	132	246
7	57	90	52	129	0	201	0	183	650	268	108	161
8	26	102	0	174	204	176	0	136	833	231	228	149
9	118	39	107	166	0	151	0	159	917	206	202	132
10	182	128	0	82	0	163	0	125	846	183	104	65
11	218	51	0	51	92	100	0	0	624	744	128	46
12	282	77	0	120	90	0	0	0	502	292	140	86
13	155	116	45	145	131	0	0	0	497	252	79	107
14	52	64	0	133	81	0	0	0	141	324	117	39
15	218	243	0	80	0	0	0	0	132	182	142	69
16	237	294	0	64	46	0	0	0	26	182	182	0
17	196	244	99	141	0	0	0	0	213	219	0	201
18	256	192	214	90	0	0	0	0	224	254	0	283
19	700	0	256	77	97	0	0	0	236	240	0	243
20	1,050	52	4.0	77	61	0	0	0	149	219	226	69
21	965	0	84	77	58	84	0	0	182	231	102	0
22	443	116	0	102	194	82	0	0	320	118	0	137
23	269	0	104	103	191	0	0	0	57	281	159	0
24	0	0	215	90	204	0	0	0	97	218	216	0
25	0	0	104	102	191	0	0	0	92	205	204	0
26	0	0	0	102	166	0	0	0	167	217	199	226
27	79	0	60	102	141	36	0	0	152	191	658	233
28	608	0	0	89	141	0	0	0	145	191	585	206
29	745	78	61	76	153	0	171	34	217	166	537	210
30	26	153	115	76	-----	0	497	0	155	143	283	196
31	77	-----	269	76	-----	0	-----	37	-----	0	423	-----
TOTAL	8,658	2,603	2,105.0	3,428	2,831	2,043	668	4,066	9,600	5,570	4,122	6,208
MEAN	279	80.8	67.9	111	97.6	65.9	22.3	131	320	180	133	207
MAX	1,050	294	269	268	204	201	497	546	917	294	658	458
MIN	0	0	0	0	0	0	0	0	0	0	0	41
AC-FT	17,170	5,100	4,180	6,800	5,620	4,050	1,320	8,060	19,040	11,050	8,180	12,310

CAL YR 1963 TOTAL 40,580.00 MEAN 111 MAX 1,050 MIN 0 AC-FT 80,490  
WAT YR 1964 TOTAL 51,902.00 MEAN 142 MAX 1,050 MIN 0 AC-FT 102,900

2-2863 4 Biscayne Canal at S-28, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

CAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	243	442	216	169	116	254	154	57	35	35	345	35
2	221	351	117	194	129	126	26	39	35	35	348	35
3	238	221	130	169	155	145	78	26	35	35	310	35
4	245	286	143	169	129	247	142	76	35	35	284	35
5	260	244	219	181	116	307	103	35	35	35	346	35
6	161	208	271	206	90	282	39	35	35	35	243	112
7	374	79	284	194	156	194	39	35	35	35	230	112
8	468	0	232	142	294	129	39	35	64	35	206	70
9	393	0	269	141	269	142	104	35	66	35	181	844
10	387	0	232	155	292	154	13	35	251	35	129	870
11	350	79	232	77	103	65	13	35	394	35	206	912
12	426	92	232	78	179	65	26	35	322	35	243	406
13	466	169	219	116	103	75	103	35	410	91	230	503
14	492	169	219	117	90	78	65	35	374	208	256	477
15	545	117	219	104	129	65	65	35	358	168	230	477
16	580	53	232	91	103	65	52	35	260	218	168	670
17	490	162	206	65	116	39	26	35	258	206	205	445
18	452	168	203	103	91	52	13	35	282	286	192	412
19	444	156	181	103	116	78	13	35	297	361	179	461
20	297	130	194	77	116	39	0	35	348	390	179	435
21	222	142	219	129	65	26	13	35	335	351	152	448
22	271	234	194	116	104	13	0	35	297	413	102	452
23	284	247	194	64	105	39	13	35	307	439	35	529
24	322	79	181	116	268	52	13	35	269	413	89	516
25	284	234	206	155	271	26	13	35	254	335	101	503
26	258	206	192	154	254	13	13	35	254	260	35	464
27	168	219	205	152	267	13	140	35	238	271	35	397
28	297	194	205	13	127	13	39	35	238	260	35	356
29	525	194	205	115	-----	13	64	35	151	271	35	368
30	490	222	154	26	-----	13	77	35	35	284	35	333
31	464	-----	142	116	-----	26	-----	35	-----	322	35	-----
TOTAL	11,479	5,107	6,353	3,897	4,173	2,901	1,497	1,081	6,307	5,967	5,389	12,447
MEAN	370	170	205	126	156	93	49.9	35.1	210	192	174	415
MAX	500	442	284	206	294	107	154	52	410	439	348	912
MIN	168	0	117	13	65	13	0	26	35	35	35	35
AC-FT	22,770	10,130	17,600	7,730	8,670	5,750	2,970	2,160	12,510	11,840	10,690	24,690
CAL YR 1964	TOTAL 61,479	00	MEAN 168	MAX 917	MIN 0	AC-FT 121,900						
WAT YR 1965	TOTAL 66,805	00	MEAN 163	MAX 912	MIN 0	AC-FT 132,500						

2-2863 8 Little River Canal at S-27, at Miami, Fla

Location --Lat 25°51'11", long 80°11'36", in NE 1/4 sec 12, T 53 S, R 41 E, at center of upstream side of concrete bridge on N E 2nd Avenue at Miami, Dade County, 0.4 mile upstream from salinity-control structure 27, and 1.6 miles upstream from mouth

Records available --November 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --5 years, 106 cfs (76,740 acre-ft per year)

Extremes --Maximum and minimum discharges for the period November 1959 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 10, 1960	1,100	3 93	Sept 10, 1960	a -1,130	b -0 18
1961	May 28, 1961	979	c 2 66	Oct 31, 1960	-986	d 07
1962	June 20, 1962	1,260	e 2 73	Sept 26, 1962	-425	f 17
1963	July 29, 1963	1,080	g 3 28	Sept 30, 1963	-428	h - 12
1964	Aug 18, 1964	1,230	i 2 25	Oct 19, 1963	-787	j 08
1965	Oct 28, 1964	1,340	k 4 49	Sept 8, 1965	a -1,500	m 12

a From hurricane tide b Occurred Nov 30, 1959 c Occurred Oct 6, 1960 d Occurred Oct 22, 1960 e Occurred June 18, 1962 f Occurred July 8, 1962 g Occurred Nov 9, 1962 h Occurred June 19, 1963 i Occurred June 8, 1964 j Occurred Aug 26, 1964 k Occurred Sept 8, 1965 m Occurred Aug 23, 1965

Note --Negative figures indicate reverse flow

1959-65 Maximum discharge, 1,340 cfs Oct 28, 1964, maximum gage height, 4.49 ft Sept 8, 1965, maximum reverse flow, 1,500 cfs Sept 8, 1965, from hurricane tide, minimum gage height, -0.18 ft Nov 30, 1959

Remarks --Records good except those for period of indefinite deflection-velocity relation, which are fair. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure 27. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey.

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, NOVEMBER 1959 TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	-	72	0	0	0	0	0	474	190	21	166	47
2	-	101	0	0	0	0	0	236	144	5	159	83
3	-	106	0	0	0	0	0	209	267	0	121	51
4	-	411	0	0	0	0	0	226	154	0	121	127
5	-	40	0	0	0	0	0	130	134	0	76	371
6	-	45	0	0	0	0	0	126	206	34	102	331
7	-	50	0	0	0	0	0	177	226	53	148	339
8	-	99	0	0	0	0	0	196	213	47	120	374
9	-	44	0	0	0	0	0	117	216	50	95	258
10	-	42	0	0	0	0	0	167	248	48	118	406
11	-	45	0	0	0	0	0	156	222	16	63	853
12	-	46	0	0	0	0	0	131	186	21	61	781
13	-	49	0	0	0	0	0	141	188	0	33	656
14	-	23	0	0	0	0	0	130	194	28	53	571
15	-	0	0	0	0	0	0	114	205	18	63	525
16	-	0	0	0	0	0	0	113	193	0	71	459
17	-	0	0	0	0	0	0	59	118	0	75	400
18	-	0	0	0	0	0	0	0	87	31	104	402
19	348	0	0	0	0	0	0	0	160	65	67	339
20	505	0	0	0	0	0	0	0	186	50	62	347
21	575	0	0	0	0	91	0	0	165	26	64	326
22	522	0	0	0	0	0	0	0	170	6	169	353
23	346	0	0	0	0	0	0	0	42	0	63	559
24	301	0	0	0	0	0	321	0	42	0	70	641
25	354	36	0	0	0	0	625	0	43	0	37	607
26	386	49	0	22	0	0	627	0	39	14	85	580
27	353	22	0	0	0	0	627	0	38	25	40	528
28	374	20	0	0	0	0	618	0	37	32	25	489
29	432	41	0	0	0	0	554	54	37	40	19	455
30	299	43	0	0	0	0	525	92	37	56	19	488
31	-----	14	0	-----	0	-----	-----	170	-----	102	86	-----
TOTAL	-	1,398	0	22	163	3,897	3,218	4,387	788	2,555	12,746	
MEAN	-	45.1	0	0.8	5.3	130	104	146	25.4	82.4	425	
MAX	-	411	0	22	91	627	474	267	102	169	853	
MIN	-	0	0	0	0	0	0	37	0	19	47	
AC-FT	-	2,770	0	44	323	7,730	6,380	8,700	1,560	5,070	25,280	

Note --Deflection-velocity relation indefinite July 26 to Sept 4

2-2863 8 Little River Canal at S-27, at Miami, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	471	325	0	0	0	0	0	0	0	0	0	70
2	419	406	0	0	0	0	0	0	26	0	0	65
3	359	412	0	0	0	0	0	0	39	0	0	59
4	354	371	0	0	0	0	0	0	27	0	0	53
5	307	337	0	0	0	0	0	0	33	0	0	43
6	295	356	0	0	0	0	0	0	38	0	0	43
7	372	433	0	0	0	0	0	0	37	0	0	0
8	428	407	0	0	0	0	0	0	32	0	0	0
9	409	238	0	0	0	0	0	0	27	0	41	0
10	418	140	0	0	0	0	0	0	226	0	0	0
11	453	117	0	0	0	0	0	0	225	0	0	0
12	458	107	0	240	0	0	0	0	49	0	0	0
13	356	80	0	346	0	0	0	0	0	0	0	0
14	292	77	0	383	0	0	0	0	0	0	0	0
15	262	68	0	340	0	0	0	0	28	0	0	0
16	365	72	0	339	0	0	0	0	0	0	0	17
17	347	79	0	147	0	0	0	0	0	0	0	350
18	321	80	0	98	0	0	0	20	0	0	0	298
19	310	75	0	0	0	0	0	0	0	0	0	232
20	308	65	0	56	0	0	0	0	0	48	0	207
21	308	51	0	111	0	0	0	0	0	0	0	134
22	299	34	0	98	0	0	0	0	0	0	91	0
23	254	32	0	43	0	0	0	0	0	0	86	0
24	196	34	0	0	0	0	0	0	0	0	0	0
25	163	32	0	0	0	0	0	0	0	0	0	0
26	327	31	0	0	0	0	0	0	0	0	0	0
27	327	32	0	0	0	0	0	0	0	0	0	0
28	293	13	0	0	0	0	0	287	2.0	0	163	0
29	264	0	0	0	-----	0	0	349	49	0	286	0
30	222	0	0	0	-----	0	0	22	0	0	232	0
31	200	-----	0	0	-----	0	-----	77	-----	0	93	-----
TOTAL	10,138	4,504	0	2,103	0	0	0	733	860.0	48	992	1,571
MEAN	327	150	0	67.8	0	0	0	23.6	28.7	1.55	32.0	52.4
MAX	471	433	0	383	0	0	0	349	226	48	286	350
MIN	168	0	0	0	0	0	0	0	0	0	0	0
AC-FT	20,110	8,930	0	4,170	0	0	0	1,450	1,710	95	1,970	3,120
CAL YR 1960	TOTAL 42,418		MEAN 116	MAX 853	MIN 0	AC-FT 84,130						
WAT YR 1961	TOTAL 20,949.00		MEAN 57.4	MAX 471	MIN 0	AC-FT 41,550						

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	35	0	0	0	0	0	0	-10	198	66	6.0
2	0	0	0	0	0	0	0	0	0	193	66	22
3	0	0	0	0	0	0	0	0	0	166	60	45
4	0	0	11	0	0	0	0	0	0	135	60	0
5	0	0	0	0	0	0	0	0	0	60	66	0
6	0	0	0	0	0	0	0	0	0	137	71	61
7	0	0	0	0	0	0	0	0	0	289	66	114
8	0	0	0	0	0	0	0	0	0	172	60	159
9	0	0	0	0	0	0	0	0	0	50	144	144
10	0	0	0	0	0	0	0	0	0	185	122	0
11	105	0	0	0	0	0	0	0	0	211	167	0
12	120	0	0	0	0	0	0	0	0	121	270	0
13	0	0	0	0	0	0	0	0	0	226	258	0
14	0	0	0	0	0	0	0	0	0	186	182	0
15	0	0	0	0	0	0	0	0	0	158	155	0
16	0	61	0	0	0	0	0	0	0	354	139	44
17	0	60	0	0	0	0	0	0	95	249	78	72
18	0	0	0	0	0	0	0	0	48	184	78	65
19	23	0	0	0	0	0	0	0	159	173	50	28
20	56	0	0	0	0	0	0	0	253	179	22	116
21	50	0	0	0	0	0	0	0	704	168	11	370
22	60	0	0	0	0	0	0	0	761	147	0	407
23	44	0	0	0	0	0	0	0	694	93	0	250
24	0	0	0	0	0	0	30	0	552	98	0	309
25	0	0	0	0	0	0	0	0	328	60	0	247
26	0	0	0	0	0	0	0	0	336	66	17	279
27	0	0	0	0	0	0	0	0	35	71	28	255
28	0	0	0	0	0	0	0	0	0	71	39	254
29	0	0	0	0	-----	0	0	0	178	66	22	217
30	0	-17	0	0	-----	0	0	0	210	60	22	171
31	11	-----	0	0	-----	0	-----	0	-----	60	6.0	-----
TOTAL	469	159	11	0	0	0	30	0	4,343	4,580	2,325.0	3,635.0
MEAN	15.1	5.10	35	0	0	0	1.00	0	145	148	75.0	121
MAX	120	61	11	0	0	0	30	0	761	354	270	407
MIN	0	-17	0	0	0	0	0	0	-10	50	0	0
AC-FT	930	315	22	0	0	0	60	0	8,610	9,080	4,610	7,210
CAL YR 1961	TOTAL 6,946		MEAN 19.0	MAX 383	MIN -17	AC-FT 13,780						
WAT YR 1962	TOTAL 17,552		MEAN 42.6	MAX 761	MIN -17	AC-FT 30,850						

Note --Negative figures indicate reverse flow

## 2-2863 8 Little River Canal at S-27, at Miami, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	107	72	60	17	0	22	1.0	16	187	-11	173
2	60	137	77	66	17	0	33	0	0	76	-32	157
3	60	127	88	50	11	0	22	174	11	77	-27	110
4	61	132	82	55	33	0	11	272	38	55	-48	94
5	141	104	71	44	44	0	16	218	87	55	-11	55
6	191	82	60	60	82	76	6.0	206	200	66	0	170
7	74	60	60	60	55	44	22	147	243	55	0	28
8	0	60	55	93	55	60	27	136	205	55	0	44
9	0	387	55	98	38	11	38	130	157	44	133	72
10	0	377	60	60	22	6.0	33	114	146	124	157	55
11	6.0	190	60	28	22	11	22	76	322	117	0	72
12	0	190	44	44	254	38	16	71	224	43	0	61
13	22	255	44	49	283	44	22	33	98	0	0	50
14	11	192	44	71	254	17	11	28	108	22	44	0
15	17	109	49	82	221	33	0	16	87	6.0	0	39
16	34	131	77	82	156	27	0	11	119	0	0	50
17	17	115	66	76	167	33	0	16	97	0	0	39
18	17	140	92	76	114	33	0	0	138	0	0	61
19	11	126	66	60	135	0	0	0	280	0	102	221
20	22	121	49	55	119	0	0	0	16	6.0	190	567
21	99	99	44	66	97	0	0	0	44	22	188	625
22	80	127	49	33	0	0	0	0	44	1.0	168	545
23	0	131	28	71	60	0	0	0	55	0	152	397
24	0	120	33	44	65	0	0	0	60	0	137	366
25	0	136	38	39	76	0	0	0	269	0	425	402
26	28	104	33	33	55	0	0	0	303	0	229	488
27	0	44	44	27	0	0	0	0	130	0	55	342
28	6.0	66	38	17	0	0	0	0	404	0	33	257
29	17	66	55	11	-----	0	0	11	434	69	22	244
30	50	50	66	17	-----	16	0	0	119	-11	148	339
31	73	-----	60	11	-----	22	-----	0	-----	-32	173	-----
TOTAL	1,114.0	4,065	1,743	1,654	2,538	471.0	301.0	1,660.0	4,454	1,037.0	2,183	6,167
MEAN	35.9	136	56.2	53.4	90.6	15.2	10.0	53.5	148	33.5	70.4	206
MAX	191	387	92	98	283	76	38	272	434	187	425	625
MIN	0	44	28	11	0	0	0	0	0	-32	-48	0
AC-FT	2,210	8,060	3,460	3,280	5,030	934	597	3,290	8,830	2,060	4,330	12,230
CAL YR 1962	TOTAL 21,834		MEAN 59.8		MAX 761		MIN -10		AC-FT 43,310			
WAT YR 1963	TOTAL 27,366		MEAN 75.0		MAX 625		MIN -48		AC-FT 54,320			

Note --Negative figures indicate reverse flow

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	329	97	187	384	132	28	67	374	111	130	78	245
2	407	148	187	252	132	40	45	374	68	97	77	233
3	125	125	198	248	110	0	39	339	91	119	87	216
4	159	131	193	260	106	28	39	297	164	113	0	183
5	147	203	192	260	96	34	50	280	204	79	28	161
6	141	257	175	236	119	23	45	252	332	249	51	170
7	136	299	191	235	125	22	44	222	499	329	52	148
8	126	245	170	245	147	22	44	119	206	323	34	131
9	178	147	169	185	163	6.0	44	113	200	291	23	135
10	165	81	158	180	158	11	33	107	401	164	40	140
11	170	154	158	164	152	22	27	107	618	153	74	123
12	125	202	190	175	177	45	23	124	642	119	74	74
13	181	183	184	210	128	45	22	124	646	95	68	91
14	203	193	188	187	127	45	22	164	525	158	96	79
15	232	170	199	175	117	39	22	219	363	89	198	131
16	379	115	199	153	117	39	147	233	329	91	129	179
17	290	127	190	159	67	45	40	195	345	92	129	174
18	312	160	187	164	28	34	6.0	183	319	97	127	176
19	323	160	257	158	40	6.0	6.0	186	255	96	746	185
20	113	165	114	164	34	23	6.0	169	262	78	825	207
21	137	193	114	163	68	34	34	169	222	72	584	204
22	210	154	114	135	68	23	39	157	273	72	531	180
23	240	182	143	124	57	23	39	151	239	68	571	153
24	174	171	146	129	46	46	13	162	165	40	602	169
25	274	166	131	140	63	90	0	161	242	85	604	189
26	164	160	120	156	23	6.0	0	166	307	85	601	194
27	182	125	140	157	0	0	0	175	102	627	172	172
28	206	178	126	140	68	55	0	187	79	51	307	161
29	134	201	114	138	28	96	45	182	74	40	348	160
30	34	171	183	127	-----	90	344	183	113	89	316	165
31	51	-----	403	122	-----	67	-----	171	-----	66	238	-----
TOTAL	5,767	5,120	5,387	5,708	2,753	1,093.0	1,280.0	6,025	8,396	3,698	8,465	4,928
MEAN	186	171	174	184	94.9	35.3	42.7	194	280	119	273	164
MAX	379	299	403	384	177	96	344	374	646	329	825	245
MIN	34	81	114	122	73	0	0	107	68	40	0	74
AC-FT	11,440	10,160	10,680	11,320	5,460	2,170	2,540	11,950	16,650	7,330	16,790	9,770
CAL YR 1963	TOTAL 36,739		MEAN 101		MAX 625		MIN -48		AC-FT 72,870			
WAT YR 1964	TOTAL 58,620.00		MEAN 160		MAX 825		MIN 0		AC-FT 116,300			

2-2863 8 Little River Canal at S-27, at Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	179	724	215	299	210	156	40	11	11	122	268	205
2	130	598	197	250	218	140	34	17	11	145	257	17
3	142	465	176	260	118	157	45	17	11	140	277	6 0
4	141	248	158	243	96	254	28	11	16	139	236	0
5	159	173	231	161	91	260	26	11	16	133	226	0
6	195	172	305	190	85	234	34	11	11	99	217	74
7	409	130	272	202	170	217	45	11	17	88	222	6 0
8	630	206	238	195	231	204	118	11	56	66	200	-206
9	557	200	236	190	232	192	62	11	79	76	204	539
10	636	206	209	212	255	212	23	11	159	22	170	433
11	705	286	203	218	220	251	17	11	206	22	217	417
12	824	292	201	218	141	228	23	11	205	40	201	342
13	871	278	201	226	141	217	28	17	204	108	226	339
14	809	255	157	246	135	215	11	17	211	218	220	305
15	840	232	191	193	135	214	17	17	237	222	213	271
16	777	261	203	205	119	100	67	11	204	209	202	231
17	730	241	229	216	102	79	23	11	187	222	197	312
18	695	236	224	222	104	90	23	11	260	249	196	242
19	553	274	237	210	102	112	23	11	238	239	184	223
20	345	211	266	187	91	138	17	6 0	226	340	194	200
21	305	233	236	165	97	137	17	11	226	316	194	195
22	187	205	191	108	113	121	11	6.0	221	263	204	198
23	162	223	197	102	208	122	11	6.0	202	250	287	203
24	655	219	147	102	336	121	17	11	189	227	180	208
25	648	213	157	180	422	132	11	17	182	237	181	195
26	626	222	166	204	273	137	11	17	181	225	142	297
27	634	215	173	218	195	136	17	11	151	202	260	331
28	816	204	179	202	184	131	26	11	155	171	269	276
29	1,100	203	178	197	-----	77	40	16	157	183	278	277
30	980	222	204	191	-----	0	17	11	127	222	231	220
31	872	-----	310	198	-----	45	-----	17	-----	269	253	-----
TOTAL	17,270	7,167	6,345	6,210	4,828	4,829	886	179.0	4,416	5,464	6,753	6,356.0
MEAN	557	233	211	200	172	156	29.5	12.2	147	176	213	212
MAX	1,100	724	310	299	422	260	118	17	265	340	282	539
MIN	130	172	147	102	85	0	11	6.0	11	22	142	-206
AC-FT	34,250	15,340	12,980	12,320	9,580	9,580	1,760	752	8,760	10,840	13,340	12,610
CAL YR 1964	TOTAL	74,348	00	MEAN	202	MAX	1,100	MIN	0	AC-FT	146,900	
WAT YR 1965	TOTAL	71,823		MEAN	197	MAX	1,100	MIN	- 206	AC-FT	142,500	

Note --Negative figures indicate reverse flow



## 2-2864 Miami Canal at HGS-3 and S-3, at Lake Harbor, Fla

Location --Lat 26°41'55", long 80°48'25", in SE $\frac{1}{4}$  sec 35, T 43 S, R 35 E, at hurricane gate structure 3 and pump structure 3 at Lake Okeechobee, 0.4 mile upstream from U S Highway 27, in Lake Harbor, Palm Beach County

Records available --December 1939 to June 1943 (published as Miami Canal at Lake Harbor), October 1957 to September 1965 Prior to October 1940 monthly discharge only, published in WSP 1304

Gage --Digital water-stage and deflection-meter recorders Datum of gage is at mean sea level, datum of 1929 Dec 1, 1939, to June 30, 1943, staff gage at site 0.4 mile downstream at same datum Oct 1, 1957, to Sept 30, 1959, graphic water-stage and deflection-meter recorders at present site, at datum 0.05 ft lower (corrected) and Oct 1, 1959, to Feb 7, 1962, at datum 0.22 ft lower Feb 8, 1962, to Jan 25, 1965, graphic water-stage and deflection-meter recorders at present site and datum

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet) <sup>†</sup>	Date	Discharge (cfs)	Gage height (feet) <sup>†</sup>
1961	Apr 28, 1961	1,070	a 14.06	Oct 11, 12, 1960	-1,760	b 10.09
1962	Aug 15, 1962	1,120	c 13.95	Sept 22, 1962	-2,610	d 9.60
1963	Mar 21, 1963	735	e 14.01	May 30, 1963	-977	f 10.22
1964	Feb 29, 1964	1,070	g 14.37	Dec 31, 1963	-990	h 9.38
1965	Sept 1, 1965	1,960	1 14.37	Oct 15, 1964	-1,840	j 9.13

<sup>†</sup> Miami Canal a Occurred Apr 18, 1961 b Occurred Oct 3, 1960 c Occurred Sept 20, 1962  
d Occurred Mar 16, 1962 e Occurred May 3, 1963 f Occurred Oct 10, 15, 1962 g Occurred  
Feb 8, 1964 h Occurred Sept 17, 1964 i Occurred Nov 3, 1964 j Occurred Sept 8, 1965

Note --Negative figures indicate flow towards Lake Okeechobee

1939-43, 1957-65 Maximum daily discharge, 1,960 cfs Sept 1, 1965, maximum gage height (Miami Canal) 14.92 ft (present datum) Mar 21, 1960, maximum daily reverse flow, 2,610 cfs Sept 22, 1962, minimum gage height (Miami Canal), 8.03 ft (present datum) Sept 22, 1960

Remarks --Records good except those for period of doubtful or no deflection record, which are poor. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Discharge is summation of HGS-3 flow and S-3 pumpage. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump structure 3. Discharge computed from continuous velocity record obtained from recording deflection meters. Records of chemical analyses for the water years 1962, 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey.

Cooperation --S-3 pump record and HGS-3 gate-operation record furnished by Central and Southern Florida Flood Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-1,750	-1,000	0	211	221	381	390	488	0	0	248	158
2	-1,540	-1,100	0	199	250	427	391	636	0	0	226	162
3	-1,550	-848	0	207	280	321	363	696	0	119	236	189
4	-1,220	-806	0	254	142	296	566	655	0	138	208	158
5	-1,220	-692	0	167	0	289	448	618	281	69	199	157
6	-1,240	-667	0	165	0	294	393	551	337	96	236	188
7	-1,300	-643	0	152	0	300	431	535	281	96	257	186
8	-1,280	-564	0	158	0	335	378	527	250	146	241	212
9	-1,210	-588	0	-304	219	450	332	516	107	130	216	251
10	-1,310	-580	0	0	540	412	466	592	0	157	200	257
11	-1,760	-515	0	0	311	329	461	644	0	151	209	242
12	-1,760	-470	0	-330	293	298	384	613	43	145	201	260
13	-1,540	-436	0	-402	279	358	586	629	65	156	200	263
14	-1,520	-451	349	-211	266	330	541	628	175	147	190	326
15	-1,560	-434	384	0	267	362	542	562	200	161	134	323
16	-1,340	-451	306	0	272	349	606	533	211	149	160	283
17	-1,190	-620	328	332	264	305	712	545	305	144	103	304
18	-1,060	-575	326	340	244	281	776	521	301	164	107	372
19	-962	-360	316	250	251	293	784	523	366	144	112	307
20	-977	-370	286	264	250	294	557	421	307	85	133	272
21	-988	0	305	197	250	306	507	507	339	-44	148	245
22	-924	0	496	242	249	168	488	472	350	78	169	222
23	-907	-640	494	175	247	179	492	399	378	115	154	232
24	-892	0	465	168	249	424	517	456	210	177	160	241
25	-874	0	257	162	244	166	485	317	0	159	142	240
26	-778	0	241	309	316	287	772	-648	-29	207	159	229
27	-847	0	234	326	261	273	882	-1,290	0	166	134	229
28	-798	0	240	324	255	276	1,070	-1,130	0	133	20	252
29	-607	0	245	248	-----	-----	114	805	-1,110	0	202	41
30	-652	0	251	341	-----	-----	347	630	-1,140	0	201	57
31	-557	-----	186	253	-----	-----	318	-----	-425	-----	195	135
TOTAL	-36,183	-12,366	5,509	4,197	6,420	10,361	16,755	7,861	4,427	3,986	5,135	7,221
MEAN	-1,167	-429	178	135	207	334	559	254	148	129	166	241
MAX	-557	0	496	341	560	450	1,070	696	378	207	257	372
MIN	-1,760	-1,100	0	-402	0	273	332	-1,290	-29	-44	20	157
AC-FT	-71,770	-25,520	10,930	8,320	12,730	20,950	33,230	15,590	8,780	7,910	10,190	14,320

CAL YR 1960 TOTAL -123,723 MEAN -338 MAX 496 MIN -2,320 AC-FT -245,400  
WAT YR 1961 TOTAL 22,823 MEAN 62.5 MAX 1,070 MIN -1,760 AC-FT 45,270

Note --Negative figures indicate flow towards Lake Okeechobee

2-2864 Miami Canal at HGS-3 and S-3, at Lake Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	412	0	54	116	-14	78	61	216	134	-404	-360	-315
2	437	0	67	60	27	81	61	208	16	-451	-531	-210
3	225	0	68	66	36	102	-52	144	54	-517	-242	-497
4	272	0	29	0	-6.0	92	-142	68	217	-506	-466	-564
5	276	0	38	-223	-112	98	-47	25	246	-372	-419	-159
6	264	0	67	191	49	27	-82	-99	266	-270	-306	283
7	269	0	29	23	83	93	-34	-64	166	-246	-326	247
8	219	0	84	0	76	73	-50	-37	167	-280	-278	216
9	300	0	95	79	49	59	-193	98	178	-376	-276	240
10	300	23	89	-35	105	76	-169	70	51	-609	-120	-346
11	245	39	59	72	166	62	-97	84	70	-669	-144	-311
12	186	83	89	57	7.0	62	-8.0	189	-4.0	-627	-150	-180
13	167	73	66	67	-29	89	208	207	-98	-641	-149	-411
14	186	83	66	64	25	121	32	88	-187	-662	921	-260
15	361	63	45	-85	36	86	42	116	-424	-647	1,120	0
16	212	68	84	0	35	140	291	177	-531	-681	-148	0
17	219	19	97	80	49	205	-155	121	-433	-543	-252	-372
18	274	39	98	37	80	169	9.0	149	-511	-476	-257	-377
19	257	29	84	36	103	113	57	117	-469	-524	-369	-360
20	260	65	119	-129	60	172	142	77	-455	-461	-429	-1,170
21	264	140	102	114	135	76	292	251	-487	-454	-380	-2,200
22	190	10	52	192	104	154	67	148	-708	-514	-400	-2,610
23	216	127	37	125	-55	182	74	184	-665	-404	-252	-2,490
24	216	115	69	-1.0	61	-156	167	238	-635	-450	-311	-2,060
25	196	69	94	-141	65	106	208	272	-453	-413	-508	-1,530
26	151	68	66	-156	65	-133	334	196	-356	-545	-435	-1,050
27	115	29	26	33	77	-75	136	90	-282	-365	-552	-959
28	90	15	28	33	73	-142	136	222	-225	-385	-492	-844
29	69	69	17	114	-----	-84	190	221	-283	-208	-709	-1,170
30	55	89	100	-91	-----	-29	214	229	-308	-371	-601	-1,030
31	22	-----	89	-176	-----	-149	-----	178	-----	-379	-214	-----
TOTAL	6,540	1,320	2,109	520.0	1,350.0	1,744	1,692.0	4,133	-5949.0	-14,450	-8035	-20,439
MEAN	212	44.0	68.0	16.8	48.2	56.3	56.4	135	-198	-466	-259	-681
MAX	361	140	119	192	166	205	234	272	208	-208	1,120	283
MIN	22	0	17	-223	-112	-156	-193	-99	-708	-681	-709	-2,610
AC-FT	13,050	2,620	4,180	1,030	2,680	3,460	3,360	8,300	-11,800	-28,660	-15,940	-40,540
CAL YR 1961 TOTAL	76,372											
MEAN 1961	249											
MAX 1961	361											
MIN 1961	-223											
AC-FT 1961	131,900											
CAL YR 1962 TOTAL	29,375											
MEAN 1962	89											
MAX 1962	361											
MIN 1962	-223											
AC-FT 1962	131,900											

Note --Negative figures indicate flow towards Lake Okeechobee

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-606	0	0	0	-78	0	524	545	-334	139	181	102
2	-570	-14	0	0	0	0	531	485	0	122	252	113
3	-541	0	0	0	0	0	498	-379	0	122	201	128
4	-548	0	0	-11	-215	0	536	-619	0	138	81	-293
5	-590	0	0	0	0	0	536	0	0	120	40	-237
6	-787	0	-23	0	0	0	522	-157	0	144	225	174
7	-957	0	0	0	0	0	562	0	-21	150	105	55
8	-427	0	0	0	-10	-7.0	563	0	0	165	174	0
9	-261	-8.0	0	215	0	0	526	0	0	326	373	-293
10	-260	0	0	227	0	0	622	280	83	377	347	293
11	-254	0	85	167	0	0	577	436	139	429	284	-291
12	-244	0	290	131	-241	306	569	415	134	501	277	-207
13	0	0	356	125	-238	607	651	377	160	420	186	-235
14	0	0	279	152	0	626	654	380	166	345	220	0
15	-262	0	268	60	-175	604	524	348	181	343	196	0
16	0	-13	243	64	0	506	502	362	170	281	128	291
17	-201	0	195	52	-522	518	490	357	112	166	101	-205
18	0	0	57	-14	-154	587	506	399	134	218	-112	-80
19	0	0	0	0	-159	559	525	381	123	332	-124	-205
20	0	0	0	0	-344	648	530	369	132	310	-153	-235
21	0	-14	-19	0	-212	735	519	353	127	341	-584	-240
22	0	0	0	0	-204	692	539	240	160	344	-296	-254
23	0	0	0	0	0	570	591	262	165	354	-215	-227
24	0	0	0	59	0	537	603	128	160	374	-211	-664
25	0	0	0	24	0	523	512	251	159	305	0	-820
26	-15	0	0	0	-124	533	582	245	161	369	0	-528
27	0	0	0	0	-157	568	512	-222	138	345	154	-391
28	0	0	0	0	-242	644	450	-622	138	354	55	0
29	0	0	0	0	-----	599	450	-685	138	354	99	-224
30	0	-10	0	0	-----	602	535	-977	139	354	111	-211
31	0	-----	0	0	-----	572	-----	-482	-----	297	113	-----
TOTAL	-6518	-63.0	1,736	1,251	-3225	11,499.0	16,243	2,520	2,664	8,919	2,210	-4679
MEAN	-210	-2.1	56.0	40.4	-113	371	521	81.3	88.8	288	71.3	-156
MAX	0	0	356	227	0	735	654	545	181	501	373	293
MIN	-952	-18	-23	-14	-522	-7.0	450	-977	-334	120	-584	-820
AC-FT	-12,930	-125	3,440	2,480	-6,400	22,810	32,220	5,000	5,280	17,690	4,380	-9,280
CAL YR 1962 TOTAL	-44,229											
MEAN 1962	-121											
MAX 1962	373											
MIN 1962	-977											
AC-FT 1962	-87,720											
CAL YR 1963 TOTAL	32,557											
MEAN 1963	89											
MAX 1963	735											
MIN 1963	-977											
AC-FT 1963	64,580											

Note --Negative figures indicate flow towards Lake Okeechobee

## 2-2864 Miami Canal at HGS-3 and S-3, at Lake Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-294	0	249	-935	0	518	0	144	289	189	37	0
2	-265	337	14	-800	402	268	0	64	287	221	141	0
3	-543	-68	85	-607	-399	417	-16	449	212	242	0	0
4	-540	-2.0	51	-339	-396	390	0	461	157	272	264	-15
5	-548	9.0	14	-150	-548	794	0	0	-490	262	441	0
6	-458	-85	162	-239	-326	682	0	0	-551	195	362	-361
7	-302	71	14	-189	-293	520	110	135	-555	11	349	-900
8	0	99	-9.0	-203	440	447	0	334	-457	0	367	-3.0
9	211	33	85	-149	249	329	410	406	-356	0	313	0
10	291	-127	49	388	209	435	497	350	-294	28	322	-97
11	206	-174	-12	86	423	743	450	333	-192	0	301	-466
12	170	25	77	-442	396	694	387	333	0	0	404	0
13	104	-70	70	-224	69	651	335	363	0	0	354	0
14	99	170	42	87	433	617	356	263	0	26	549	-296
15	161	-48	421	213	48	468	394	272	0	63	278	-352
16	55	-107	90	10	538	919	402	370	0	0	256	-735
17	125	-29	-214	-51	130	492	302	339	95	-14	331	-678
18	120	-14	-359	0	80	332	339	0	0	73	118	-379
19	110	-87	101	-113	808	53	337	320	-14	0	0	-186
20	35	-58	-120	-81	742	-16	319	330	0	172	0	0
21	44	-63	-39	172	630	0	328	366	0	339	-32	0
22	113	-37	-143	-392	623	0	332	345	293	230	0	-380
23	-91	-70	-99	392	456	119	344	346	345	42	0	-250
24	29	14	-63	368	314	128	385	354	305	-52	0	0
25	70	29	78	-549	-21	0	185	363	84	16	38	-476
26	83	-37	-86	0	604	0	-108	363	172	0	-887	0
27	48	0	-61	0	381	71	-249	394	231	0	-665	0
28	77	14	-48	114	732	0	-127	255	195	54	-246	-315
29	467	236	149	-229	1,070	0	-142	272	241	0	-274	0
30	-383	1.0	-44	562	-----	0	-63	294	220	0	273	-202
31	-19	-----	-990	-392	-----	82	-----	283	-----	30	0	-----
TOTAL	-795	-11.0	-314.6	-4051	7,714	9,581	5,500	9,420	217	2,399	2,829	-6037.0
MEAN	-25.6	-4	-10.1	-131	266	309	183	298	7.23	77.4	91.3	-201
MAX	467	337	421	562	1,070	819	497	461	345	339	549	0
MIN	-548	-174	-990	-935	-548	-16	-249	0	-555	-52	-887	-900
AC-FT	-1,580	-22	-623	-8,040	15,300	19,000	10,910	18,330	430	4,760	5,610	-11,970

CAL YR 1963 TOTAL 36,232 MEAN 99.4 MAX 735 MIN - 990 AC-FT 71,960  
 MAY YR 1964 TOTAL 26,272 MEAN 71.8 MAX 1,070 MIN - 990 AC-FT 52,110

Note --Negative figures indicate flow towards Lake Okeechobee

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-170	0	0	0	205	0	280	438	365	0	-288	1,960
2	0	-245	0	0	302	0	480	434	381	77	746	1,240
3	0	-249	0	0	237	-550	303	423	350	247	1,090	1,130
4	0	-63	0	-91	231	-1,120	294	410	438	241	1,320	901
5	0	-724	-743	0	210	-433	325	414	344	237	869	0
6	0	-194	-704	157	196	-558	339	412	293	226	4.0	0
7	0	0	-366	265	-1,170	-622	365	389	284	216	0	0
8	-12	0	-242	103	-1,210	0	370	383	0	727	-300	0
9	0	-227	-148	0	-329	0	376	384	-386	208	-174	-271
10	0	0	-268	0	-304	0	367	387	-579	195	-564	0
11	0	0	0	179	0	0	347	452	-565	-13	-305	0
12	0	0	0	254	-117	0	406	764	-1,060	-427	-450	0
13	-362	0	0	230	0	0	537	708	-486	-479	-214	0
14	-666	0	-165	235	0	0	652	408	-901	-350	0	0
15	-1,840	0	0	211	0	-198	452	392	-436	-254	-273	0
16	-1,040	0	0	238	0	0	479	392	-379	-168	0	0
17	-862	0	0	285	0	0	561	394	-275	0	0	-291
18	-1,010	0	0	536	0	0	446	381	-777	-491	-115	0
19	-767	0	0	339	-10	116	437	462	-542	-421	0	-371
20	-322	0	0	218	0	350	454	455	-550	-830	0	0
21	-360	0	73	216	0	280	465	385	-204	-806	0	0
22	-223	0	0	165	0	0	427	397	0	-352	0	0
23	-257	155	0	102	-507	144	403	382	0	-475	0	0
24	-485	0	-20	101	-489	230	407	386	0	-555	0	0
25	-196	0	0	108	-292	249	399	433	-250	-476	0	0
26	-159	0	0	107	0	736	385	477	0	-131	0	-351
27	0	0	0	116	0	280	434	540	0	-393	-11	0
28	-271	0	0	137	0	-145	495	450	0	0	0	0
29	0	0	0	410	-----	0	564	394	0	-270	0	-144
30	0	653	0	203	-----	0	506	400	0	-483	747	-227
31	0	-----	0	291	-----	0	-----	389	-----	-666	1,520	-----
TOTAL	-9002	-384	-2583	5,035	-3047	-1741	12,779	13,491	-4935	-6166	3,602.0	3,576
MEAN	-290	-12.8	-83.3	162	-109	-56.2	426	435	-164	-199	116	119
MAX	0	653	73	536	302	350	652	764	438	247	1,520	1,960
MIN	-1,840	-249	-743	-61	-1,210	-1,120	280	365	-1,060	-830	-564	-371
AC-FT	-17,860	-762	-5,120	9,990	-6,040	-3,450	25,350	26,760	-9,790	-12,230	7,140	7,090

CAL YR 1964 TOTAL 15,423 MEAN 42.1 MAX 1,070 MIN -1,840 AC-FT 30,590  
 MAY YR 1965 TOTAL 10,625 MEAN 29.1 MAX 1,960 MIN -1,840 AC-FT 21,070

Note --Negative figures indicate flow towards Lake Okeechobee Doubtful or no deflection record Nov 3 to Feb 10

2-2867 Miami Canal at S-8, near Lake Harbor, Fla

Location --Lat 26°19'45", long 80°46'20", in NE¼ sec 7, T 48 S, R 36 E, Broward County, 25 ft streamward from left (east) bank, 1,200 ft downstream from pump station 8, 26 miles south of Lake Harbor, Palm Beach County, and 26 4 miles downstream from hurricane gate structure 3 and pump station 3 at Lake Okeechobee

Records available --March 1962 to September 1965

Gage --Dual water-stage recorder and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Extremes --Maximum and minimum daily discharges and gage heights for the water years 1962-65 are contained in the following table

Water year	Maximum daily		Momentary maximum		Minimum daily		Momentary minimum	
	Date	Discharge (cfs)	Date	Gage height (feet)	Date	Discharge (cfs)	Date	Gage height (feet)
1962†	Sept 9, 1962	706	Sept 26, 1962	14 18	Many days	0	June 2, 1962	8 20
1963	May 3, 1963	1,340	Oct 4, 1962	14 18	do	0	Sept 28, 1963	11 12
1964	Aug 26, 1964	997	Sept 8, 1964	13 91	do	0	Apr 9, 1964	11 49
1965	Sept 2, 1965	1,970	Sept 9, 1965	14 13	do	0	Jan 29, 1965	11 75

† Period March to September

1962-65 Maximum daily discharge, 1,970 cfs Sept 2, 1965, maximum gage height, 14 18 ft Oct 4, 1962, no flow for many days each year, minimum gage height, 8 20 ft June 2, 1962

Remarks --Records good above 200 cfs and poor below Flow regulated by pumpage and operation of gate at pump station 8, by operation of hurricane gates and pump station at Lake Okeechobee, and by operation of drainage and irrigation pumps upstream Discharge computed from continuous velocity record obtained from recording deflection meter

Cooperation --Gage height, gate-opening and pump records furnished by Central and Southern Florida Control District

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1962

DAY	OCT.	N.OV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						--	0	0	0	0	0	0
2						--	0	0	0	0	12	0
3						--	0	0	0	0	222	0
4						--	0	0	0	0	0	0
5						--	0	2 0	0	0	0	227
6						--	0	0	0	8.0	0	444
7						--	0	0	0	2.0	0	517
8						--	0	0	0	0	0	622
9						--	0	0	0	0	0	706
10						--	0	0	0	-7.0	0	571
11						--	0	0	0	0	0	221
12						--	0	0	0	0	0	241
13						--	0	22	0	0	143	356
14						--	0	0	0	0	668	252
15						--	0	0	0	0	684	0
16						--	0	0	0	0	0	0
17						--	0	0	0	0	0	167
18						--	0	0	0	0	0	137
19						--	0	0	0	0	0	211
20						--	0	0	0	0	0	563
21						--	0	0	0	0	0	355
22						--	0	0	0	0	0	0
23						--	0	0	0	0	0	0
24						--	0	0	0	0	42	383
25						--	0	0	0	0	0	398
26						--	0	0	0	0	0	577
27						--	0	0	0	0	0	537
28						--	0	0	0	0	0	470
29						--	0	0	0	0	0	0
30						--	0	0	0	0	0	0
31						--	0	0	0	0	271	-----
TOTAL						--	27	7 0	0	3.0	2,042	8,330
MEAN						--	.73	.065	0	.097	65 9	278
MAX						--	22	2 0	0	8.0	684	706
MIN						--	0	0	0	-7.0	0	0
AC-FT						--	44	4.0	0	6.0	4,050	16,520

## 2-2867 Miami Canal at S-8, near Lake Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	559	0	0	0	15	19	435	344	106	230	112	22
2	490	0	0	0	0	0	392	469	188	202	93	25
3	526	0	0	0	0	0	392	1,340	216	195	118	75
4	502	0	0	0	172	0	392	1,330	279	167	136	22
5	502	0	0	0	0	0	406	49	251	145	100	14
6	0	0	1.5	0	0	0	216	158	209	148	90	24
7	0	0	15	0	0	0	297	0	154	124	90	14
8	406	0	0	0	11	40	324	114	90	106	50	17
9	497	1.1	0	0	0	0	324	148	90	174	60	32
10	468	0	0	0	0	0	310	106	112	237	45	23
11	463	0	0	30	0	0	324	258	230	244	50	18
12	443	0	0	0	0	127	322	279	265	293	30	7.0
13	0	0	0	0	105	456	308	453	251	286	19	25
14	0	0	4.0	0	0	446	310	279	209	272	19	0
15	471	0	0	0	131	506	310	251	195	272	7.0	0
16	456	0	0	0	0	526	310	223	223	265	0	1.0
17	476	0	1.4	0	0	500	297	223	340	272	0	0
18	468	0	0	34	0	513	310	217	308	276	0	0
19	460	0	0	0	0	459	296	216	324	269	0	5.0
20	0	0	0	0	0	459	306	216	237	223	0	27
21	0	1.4	0	0	0	472	293	237	188	223	46	0
22	469	0	0	35	23	293	332	209	188	70	0	0
23	0	0	0	0	0	459	295	324	195	181	80	14
24	524	0	0	0	0	432	281	410	195	167	70	64
25	419	0	0	0	0	418	281	340	202	142	45	35
26	0	0	0	0	274	405	260	316	195	158	42	65
27	0	0	0	0	0	418	281	364	209	142	70	77
28	0	0	4.2	0	0	392	281	314	251	124	80	9.0
29	0	0	0	0	0	410	281	441	332	100	50	0
30	0	0	0	0	0	412	281	0	251	90	60	47
31	0	0	0	0	0	422	0	69	0	112	32	0
TOTAL	8,467	122.4	162.7	64	743	8,820	9,410	1,680	6,504	6,030	1,664.0	631.0
MEAN	273	4.10	5.89	2.06	26.3	285	314	312	217	195	53.7	21.0
MAX	502	121	124	34	274	526	435	1,340	340	293	136	77
MIN	0	0	0	0	0	0	0	216	90	90	0	0
AC-FT	16,790	244	302	127	1,470	17,490	18,660	19,200	12,900	11,960	3,300	1,250

CAL YR 1962 TOTAL 57,318.00 MEAN 143 MAX 1,340 MIN 0 AC-FT 103,800  
 MAY YR 1963 TOTAL 56,306.00 MEAN 154 MAX 997 MIN 0 AC-FT 111,700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30	0	0	0	228	425	30	286	86	284	47	0
2	95	0	0	0	351	110	14	295	80	272	70	0
3	53	0	0	95	324	354	19	295	154	214	75	410
4	0	0	0	95	297	354	1.0	351	80	188	95	334
5	0	0	0	100	230	394	0	90	189	161	188	0
6	0	0	45	70	338	527	0	30	78	270	174	0
7	0	0	0	70	347	452	0	26	79	121	202	0
8	0	10	0	40	439	408	0	112	57	107	228	928
9	0	0	0	60	480	313	0	146	39	107	214	595
10	5.0	0	0	175	422	324	106	146	86	122	216	344
11	48	0	0	142	422	425	268	119	228	85	214	0
12	45	57	0	65	589	411	441	120	242	48	202	0
13	38	95	14	199	394	473	213	92	173	22	188	0
14	42	42	0	234	365	567	158	173	120	24	261	0
15	46	90	0	715	340	324	133	277	52	32	256	0
16	55	22	0	148	367	408	160	228	65	20	256	224
17	65	19	0	320	440	567	130	228	105	50	441	561
18	74	5.0	73	0	281	130	92	174	38	45	202	607
19	55	5.0	156	0	449	106	66	174	42	40	80	374
20	55	4.0	30	0	493	81	79	161	0	18	80	0
21	12	0	19	200	504	136	79	174	0	85	91	0
22	7.0	24	7.0	308	575	107	156	153	0	160	80	200
23	0	0	0	281	607	106	25	160	92	270	94	433
24	0	0	24	270	466	160	23	174	173	221	243	0
25	0	0	22	239	310	52	13	107	120	161	286	514
26	0	0	3.0	364	466	50	268	120	130	270	997	624
27	0	0	0	281	381	90	281	106	228	228	583	0
28	0	0	0	322	356	45	308	107	228	133	0	530
29	0	0	1.0	462	589	42	281	106	201	92	0	0
30	0	0	32	351	0	32	268	93	255	106	0	410
31	0	0	365	261	0	28	0	106	0	77	407	0
TOTAL	725.0	364.0	791.0	5,407	11,906	7,801	3,412.0	4,894	3,420	4,033	6,465	7,088
MEAN	23.4	12.1	25.5	174	411	252	114	158	114	130	209	236
MAX	95	95	365	462	607	527	308	351	255	284	997	928
MIN	0	0	0	0	228	28	0	28	0	18	0	0
AC-FT	1,440	722	1,570	10,720	23,620	15,470	6,770	9,710	6,780	8,000	12,820	14,060

CAL YR 1963 TOTAL 45,426.00 MEAN 124 MAX 1,340 MIN 0 AC-FT 90,100  
 MAY YR 1964 TOTAL 56,306.00 MEAN 154 MAX 997 MIN 0 AC-FT 111,700

## 2-2867 Miami Canal at S-8, near Lake Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	159	666	0	0	0	0	0	53	52	0	0	1,910
2	193	622	0	0	0	34	175	40	52	0	1,580	1,970
3	0	572	0	0	0	445	160	66	26	0	1,960	1,950
4	0	402	0	59	0	1,030	158	79	4.0	0	1,680	1,230
5	196	523	430	0	0	322	157	79	26	0	1,090	0
6	0	407	335	0	0	0	196	66	51	0	0	1,350
7	0	0	576	0	0	0	156	78	64	0	0	1,090
8	0	0	388	0	169	0	164	106	77	0	0	858
9	0	525	49	0	411	0	105	92	52	0	135	1,210
10	0	0	472	0	367	0	66	79	105	0	642	1,570
11	0	0	0	0	0	0	119	78	92	0	684	506
12	705	299	0	0	0	0	150	80	188	146	592	0
13	246	0	0	0	0	0	146	107	857	315	427	644
14	1,010	0	404	0	0	0	161	76	872	584	0	366
15	1,640	0	0	0	357	287	214	93	710	327	0	366
16	1,540	0	11	0	0	0	150	106	765	510	24	0
17	905	0	0	0	0	0	201	106	670	0	162	654
18	306	0	173	41	0	0	214	92	541	0	70	0
19	0	0	0	0	0	0	188	79	596	519	13	0
20	585	0	0	0	0	0	160	79	629	651	40	367
21	0	0	0	0	0	0	133	75	239	884	54	642
22	533	0	67	0	0	0	161	92	0	229	67	0
23	370	0	80	0	444	28	214	92	321	387	67	628
24	0	0	36	0	220	0	201	105	0	0	135	444
25	0	155	0	0	235	38	188	91	0	0	140	0
26	140	0	0	0	0	0	120	105	0	109	88	964
27	0	0	0	0	0	0	95	92	0	580	76	1,350
28	1,070	0	0	0	0	0	106	108	0	89	176	545
29	1,370	0	0	6.3	-----	0	121	79	0	631	400	695
30	870	0	0	0	-----	0	113	26	0	674	1,660	693
31	647	-----	0	0	-----	0	-----	13	-----	0	1,740	-----
TOTAL	12,535	4,171	3,061	106.3	2,223	2,184	4,498	2,512	6,989.0	6,635	13,702	22,002
MEAN	404	139	98.7	3.43	79.4	70.5	150	81.0	233	214	442	733
MAX	1,640	666	576	59	444	1,030	214	108	872	884	1,960	1,970
MIN	0	0	0	0	0	0	0	13	0	0	0	0
AC-FT	24,860	8,270	6,070	211	4,410	4,330	8,920	4,980	13,860	13,160	27,180	43,640
CAL YR 1964	TOTAL 74,193.0			MEAN 203	MAX 1,640	MIN 0	AC-FT 147,200					
WAT YR 1965	TOTAL 80,618.30			MEAN 221	MAX 1,970	MIN 0	AC-FT 159,900					

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2874 Miami Canal at broken dam, near Miami, Fla

Location --Lat 25°56'00", long 80°25'50", in SW $\frac{1}{4}$  sec 10, T 52 S, R 39 E, 15 ft from left bank, 0.5 mile downstream from levee 30, 13.6 miles upstream from salinity dam, 19 miles northwest of Miami, Dade County, and 19.3 miles upstream from mouth

Records available --November 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --5 years (1960-65), 226 cfs (163,600 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the period November 1959 to September 1965 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	(a)	-	b 5.96	(a)	-	c 3.20
1961	(d)	-	e 5.12	Sept 30, 1961	138	f 2.08
1962	Sept 30, 1962	342	g 4.45	Feb 15, 1962	52	h 1.40
1963	Sept 25, 1963	394	i 4.69	July 23, 24, 1963	41	j 2.43
1964	Sept 22, 1964	342	k 5.12	Apr 24, 1964	m 80	n 3.05
1965	Oct 10, 1964	345	n 4.91	June 18, 26, 1965	79	o 3.02

a Maximum and minimum daily discharge during period November to September, indeterminate b Occurred Nov 21, 1959 c Occurred July 23, 1960 d Maximum daily discharge during water year, indeterminate e Occurred Oct 8, 1960 f Occurred May 22, 1961 g Occurred Sept 23, 24, 1962 h Occurred May 31, 1962 i Occurred Sept 26, 1963 j Occurred May 21, 1963 k Occurred June 10, 11, 1964 m Estimated n Occurred Dec 6, 1964 o Occurred July 9, 1965

1959-65 Maximum daily discharge, indeterminate, maximum gage height, 5.96 ft Nov 21, 1959, minimum daily discharge, 41 cfs July 23, 24, 1963, minimum gage height, 1.40 ft May 31, 1962

Remarks --Records good prior to Oct 1, 1963, and fair thereafter except those below 120 cfs, and those for periods of indefinite deflection-velocity relation or doubtful deflection record, which are poor Flow affected by regulation at downstream salinity dam and by upstream storage releases at control structure 32 and Dade-Broward levee Discharge computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1961-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, NOVEMBER 1959 TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1		-						650	300			
2		-						700	300			
3		-		400				700			500	
4		-	300					650	350			
5		-					500	600				550
6		-						550				
7		-	350		350			500	300			
8		-	400					450				500
9		-						400				450
10		-						350				400
11						600	450		250			
12										400		
13					400				250			
14					450							
15									300			
16			450		500				350			
17					550							800
18				350	600			300				
19							400			550		
20		300										
21												
22							450					
23							450					
24					650		500		400			850
25							500					900
26								550				
27						550		250				
28						600				450		
29			400			600						
30						650						
31								300				
TOTAL		-	12,600	11,100	14,200	18,150	14,450	11,550	10,000	12,700	16,800	22,100
MEAN		-	406	358	490	585	442	373	333	410	542	737
AC-FT		-	24,990	22,020	28,170	36,000	28,660	22,910	19,840	25,190	33,320	43,830

## 2-2874 Miami Canal at broken dam, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			652	652	589	650	358	228	280	305	200	165
2			648	653	588	650	376	247	283	297	226	164
3		800	646	651	581	645	373	237	268	308	212	158
4			639	673	591	645	381	234	278	301	211	164
5			630	679	592	638	374	226	278	294	209	164
6			621	672	585	638	363	224	270	299	204	163
7			624	672	588	603	363	214	263	293	196	146
8		750	630	672	601	423	373	208	258	286	199	169
9			622	670	609	427	355	220	266	271	197	158
10	950		621	647	606	423	341	238	282	290	175	156
11			619	634	604	412	350	237	265	279	179	167
12			618	621	602	398	332	223	278	270	192	171
13		700	625	568	612	394	340	205	276	261	170	198
14			627	513	631	405	333	199	263	265	174	188
15			617	490	625	400	321	203	256	258	217	200
16			612	496	622	404	314	202	246	252	227	197
17		650	616	502	620	392	321	185	254	252	204	200
18			620	495	620	383	320	184	257	242	175	197
19		635	613	497	613	387	309	183	256	239	145	175
20		638	612	491	611	379	309	187	238	241	177	161
21			641	596	496	390	302	181	237	234	162	166
22			637	647	501	628	295	247	230	222	167	153
23		900	641	676	494	626	504	295	288	226	165	152
24			646	675	553	623	620	284	283	229	215	152
25			645	674	597	621	592	269	362	221	204	157
26			645	673	596	624	571	253	335	214	228	157
27			645	666	607	636	561	241	314	230	226	156
28			638	659	598	650	463	227	275	273	216	173
29		850	632	666	594	-----	355	238	281	263	209	157
30			635	656	602	-----	352	241	268	290	207	148
31			-----	657	592	-----	343	-----	282	-----	201	153
TOTAL	28,550	20,878	19,767	18,178	17,124	14,833	9,551	7,420	7,728	7,881	5,656	4,992
MEAN	921	696	636	586	612	478	318	239	258	254	182	166
MAX	-	-	676	679	650	650	381	362	290	308	227	200
MIN	-	452	498	490	681	363	227	181	214	201	145	138
AC-FT	56,630	41,410	39,210	36,060	33,960	29,420	18,940	14,720	15,330	15,630	11,220	9,900
CAL YR 1960	TOTAL 200,245			MEAN 547								
WAT YR 1961	TOTAL 162,558			MEAN 445					AC-FT 397,200			
									AC-FT 322,400			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	139	136	95	120	86	80	108	76	54	103	102	218
2	139	130	106	126	75	79	106	65	106	102	102	225
3	138	124	106	132	75	79	109	77	92	111	101	225
4	104	124	106	131	64	60	108	87	105	124	100	252
5	102	124	106	126	64	105	107	83	100	123	94	254
6	101	117	117	120	64	117	107	87	115	142	95	247
7	113	113	105	126	63	116	96	86	121	147	93	245
8	101	114	105	126	63	115	97	85	128	145	94	250
9	101	101	116	125	64	114	97	84	77	146	94	256
10	95	101	115	125	64	113	97	84	76	148	94	260
11	85	100	122	125	64	101	97	83	76	195	95	255
12	84	112	117	125	64	100	86	84	76	204	103	262
13	84	112	95	126	53	100	96	83	77	196	103	262
14	84	99	89	121	53	110	85	82	89	194	132	289
15	83	111	95	121	52	110	84	81	82	180	143	298
16	71	123	95	126	63	99	84	80	74	173	143	290
17	71	93	106	126	63	98	83	70	77	165	122	292
18	71	99	95	120	62	103	82	79	77	164	101	295
19	71	93	106	120	62	107	82	68	77	158	100	289
20	70	92	106	103	72	106	82	77	91	162	136	294
21	70	98	106	114	82	96	81	76	80	158	160	304
22	93	98	106	117	72	95	81	76	81	155	164	297
23	81	98	123	95	71	85	80	75	94	159	161	296
24	81	92	106	78	81	98	80	75	93	151	166	305
25	81	98	94	77	71	99	80	74	92	149	158	317
26	82	97	105	77	81	111	75	74	90	147	177	315
27	70	97	105	87	70	112	77	64	89	139	201	320
28	71	96	115	87	80	111	85	73	88	132	200	317
29	72	96	115	47	-----	110	79	54	88	130	206	336
30	96	96	115	76	-----	110	77	54	88	124	206	342
31	113	-----	114	76	-----	109	-----	54	-----	102	207	-----
TOTAL	2,815	3,179	3,307	3,441	1,898	3,173	2,690	2,360	2,572	4,632	4,153	8,412
MEAN	90.8	106	107	111	67.8	102	89.7	76.1	85.7	149	134	280
MAX	139	136	123	132	86	117	109	87	121	204	207	342
MIN	70	92	89	76	52	79	75	54	75	102	93	218
AC-FT	5,560	6,310	6,560	6,830	3,760	6,290	5,340	4,680	5,100	9,190	8,240	16,680
CAL YR 1961	TOTAL 102,664			MEAN 281								
WAT YR 1962	TOTAL 42,632			MEAN 117		MAX 679	MIN 70	AC-FT 203,600				
						MAX 342	MIN 52	AC-FT 84,560				



## 2-2874 Miami Canal at broken dam, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	348	338	310	254	265	205	120	117	118	131	99	284
2	353	344	311	254	260	200	133	119	95	130	110	287
3	351	330	317	261	255	150	147	125	91	131	121	293
4	357	344	317	254	255	140	131	126	101	120	120	297
5	350	343	311	254	255	175	118	125	105	118	126	287
6	348	342	312	254	250	170	117	123	119	117	125	304
7	360	342	312	250	250	165	106	111	117	115	124	316
8	356	347	317	262	250	145	120	109	118	114	118	320
9	351	348	304	261	245	144	106	109	118	114	117	330
10	357	347	310	274	240	144	118	119	117	125	106	333
11	357	344	309	261	235	138	105	118	118	126	105	343
12	363	338	302	254	245	144	104	117	118	128	106	352
13	358	331	301	265	260	144	102	105	117	128	95	348
14	365	330	300	280	275	143	101	116	118	114	94	355
15	366	336	287	307	285	137	100	104	120	101	89	358
16	366	336	287	307	285	137	100	105	121	101	81	360
17	365	329	287	305	265	136	99	102	121	100	60	365
18	365	330	260	300	260	136	98	102	132	94	47	371
19	358	330	287	300	275	142	97	90	130	93	105	367
20	358	317	260	295	265	142	97	90	129	84	206	371
21	352	317	281	290	260	135	96	90	115	83	206	375
22	353	317	274	285	255	121	90	101	114	59	217	383
23	361	330	273	285	250	121	95	92	114	41	227	390
24	355	336	275	285	240	120	94	95	102	41	243	386
25	354	324	275	295	230	120	93	95	102	58	271	394
26	360	309	275	280	220	107	93	95	105	71	264	384
27	360	308	275	280	215	100	92	106	107	70	270	383
28	353	302	275	275	210	100	86	106	121	41	276	381
29	346	302	275	275	205	102	86	104	123	81	286	378
30	347	303	266	275	205	108	101	106	134	94	272	368
31	341	---	261	270	205	107	---	117	---	99	278	---
TOTAL	11,062	9,136	8,050	8,543	7,735	4,763	3,130	3,136	3,460	3,062	4,955	10,463
MEAN	357	327	292	276	249	150	108	104	115	98	160	349
MAX	366	348	317	305	285	205	133	126	134	131	286	394
MIN	341	302	261	254	210	100	86	90	91	41	42	284
AC-FT	21,900	19,620	17,950	16,440	14,070	8,660	6,210	5,670	6,860	6,070	9,830	20,750
CAL YR 1962	TOTAL 63,317		MEAN 173		MAX 366		MIN 52		AC-FT 125,600			
WAT YR 1963	TOTAL 73,393		MEAN 215		MAX 394		MIN 41		AC-FT 155,500			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	249	234	174	134	130	117	101	95	101	98	212	254
2	247	228	180	133	130	117	100	97	102	105	218	260
3	259	220	173	134	130	117	100	97	106	112	231	260
4	270	234	177	134	131	117	99	97	110	112	230	272
5	274	179	174	134	134	117	99	96	112	112	236	278
6	292	206	174	127	134	116	98	102	112	113	238	284
7	291	205	166	133	134	110	99	101	114	120	235	288
8	246	217	165	126	134	109	97	94	115	120	239	298
9	294	212	154	126	133	103	96	93	109	113	244	296
10	293	206	159	119	133	109	96	99	109	126	238	299
11	300	201	153	125	133	109	96	91	110	126	204	310
12	298	203	153	126	132	109	95	90	102	132	196	310
13	302	169	159	127	132	102	95	97	109	138	194	316
14	307	181	159	127	132	102	95	98	109	144	196	321
15	300	174	165	126	132	101	90	92	108	144	207	323
16	287	161	166	132	125	101	88	91	108	150	203	318
17	272	174	160	132	131	102	93	90	107	152	209	326
18	269	181	163	132	125	102	91	89	100	151	213	329
19	274	160	162	132	125	102	90	88	99	156	211	325
20	273	187	155	132	131	102	89	90	99	162	216	320
21	271	186	155	131	131	103	82	92	99	174	273	329
22	277	186	148	131	132	104	82	97	99	173	222	342
23	265	186	149	131	126	103	81	97	99	173	220	334
24	265	179	148	131	125	103	80	96	99	181	219	320
25	266	179	148	131	119	96	81	89	99	182	224	322
26	256	166	154	131	125	102	81	95	98	183	224	308
27	243	160	148	131	118	96	81	101	98	182	238	322
28	250	154	147	131	118	96	81	100	99	195	233	322
29	245	161	147	130	118	96	85	100	99	209	238	322
30	242	161	150	130	102	102	93	101	98	215	238	318
31	241	---	136	137	---	101	---	101	---	212	249	---
TOTAL	8,448	5,730	4,939	4,056	3,733	3,266	2,733	2,996	3,128	4,665	6,898	9,226
MEAN	273	191	159	130	129	105	91.1	95.4	104	150	223	308
MAX	307	234	180	137	134	117	102	115	121	215	269	342
MIN	241	154	136	119	118	96	80	88	98	98	194	254
AC-FT	16,760	11,370	9,800	8,010	7,400	6,480	5,420	5,860	6,200	9,250	13,680	18,300
CAL YR 1963	TOTAL 67,529		MEAN 185		MAX 394		MIN 41		AC-FT 133,900			
WAT YR 1964	TOTAL 59,756		MEAN 163		MAX 342		MIN 80		AC-FT 118,500			

## 2-2874 Miami Canal at broken dam, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	323	332	297	238	204	175	161	123	125	84	113	141
2	330	338	282	232	197	160	160	123	124	84	112	147
3	330	336	275	238	196	168	166	122	124	83	105	152
4	330	327	266	231	196	173	160	116	123	83	111	152
5	329	325	276	237	196	173	159	115	123	82	111	159
6	337	330	264	230	196	173	159	115	116	82	117	158
7	342	335	263	229	192	172	152	114	119	81	110	171
8	335	333	261	228	194	170	145	113	114	87	110	177
9	341	330	259	228	193	177	145	112	98	100	109	181
10	345	323	258	228	193	170	145	112	88	108	115	186
11	339	312	256	228	192	169	145	111	98	102	116	192
12	338	306	255	228	192	169	145	111	92	117	114	191
13	338	300	261	227	192	168	145	111	89	120	113	203
14	343	301	259	227	185	168	144	112	83	109	112	215
15	329	301	252	227	185	167	144	111	88	91	112	214
16	342	308	252	220	186	168	144	110	86	90	114	220
17	341	301	251	226	186	160	143	109	85	90	116	232
18	339	300	250	219	186	166	143	125	79	92	116	230
19	338	294	244	218	186	166	143	143	83	100	122	235
20	342	293	244	218	185	173	137	145	84	106	129	240
21	339	293	251	217	186	172	137	145	89	106	128	240
22	338	294	250	217	179	166	137	144	88	108	134	249
23	332	297	250	211	176	166	130	144	80	94	133	250
24	331	290	250	197	177	166	130	136	86	101	131	255
25	330	290	243	204	170	159	130	143	85	101	132	256
26	330	297	243	210	170	159	130	142	79	107	131	244
27	324	297	244	210	176	158	136	144	81	107	131	239
28	315	289	246	211	175	153	130	127	80	106	138	216
29	305	297	239	210	-----	158	130	133	86	106	137	209
30	319	292	239	209	-----	152	130	132	85	105	142	215
31	326	-----	283	198	-----	153	-----	132	-----	106	142	-----
TOTAL	10,320	9,261	7,965	6,851	5,241	5,160	4,305	3,865	2,860	3,034	3,756	6,169
MEAN	333	309	257	221	187	166	144	125	95.3	97.9	121	206
MAX	345	338	297	238	204	177	166	145	125	120	142	256
MIN	305	289	239	197	170	152	130	109	79	81	105	141
AC-FT	20,470	18,370	15,800	13,590	10,400	10,230	8,540	7,670	5,670	6,020	7,450	12,240
CAL YR 1964	TOTAL 64,187			MEAN 186	MAX 345	MIN 80	AC-FT 135,200					
WAT YR 1965	TOTAL 61,767			MEAN 188	MAX 345	MIN 79	AC-FT 136,400					

2-2882 Miami Canal at Palmetto bypass, near Hialeah, Fla

Location --Lat 25°51'11", long 80°19'22", on line between NE $\frac{1}{4}$  sec 10 and NW $\frac{1}{4}$  sec 11, T 53 S, R 40 E, on fender of east bridge of Palmetto bypass, 40 ft streamward of left bank, 3 miles northwest of Hialeah, Dade County, 5 miles upstream from N W 36th Street dam, 9 miles downstream from control structure 32 and levee 30, and 10 6 miles upstream from mouth

Records available --November 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark)

Average discharge --5 years (1960-65), 319 cfs (230,900 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the period November 1959 to September 1965 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 26, 27, 1960	1,460	a 4 66	May 26, 1960	471	b 1 41
1961	Oct 8, 1961	1,510	c 4 18	May 21, 1961	163	d 1 65
1962	June 22, 1962	890	e 3 48	June 1, 1962	103	f 99
1963	Sept 27, 1963	839	g 3 40	May 29, 1963	118	h 1 53
1964	Aug 30, 1964	1 643	j 3 79	Apr 24, 1964	143	-
1965	Dec 6, 1964	655	k 4 74	Sept 8, 1965	m -515	n 1 51

a Occurred Sept 10, 1960, from hurricane tide b Occurred Apr 17, 1960 c Occurred Oct 7, 1960  
 d Occurred Mar 9, 1961 e Occurred June 20, 1962 f Occurred May 31, 1962 g Occurred Feb 12, 1963  
 h Occurred May 1, 1963 i Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge during year, 768 cfs Oct 1, 1964, occurred on recession following crest of Sept 27, 1963 j Occurred June 9, 1964 k Occurred Sept 8, 1965 m Estimated n Occurred Sept 7, 1965

Note --Negative figure indicates reverse flow

1959-65 Maximum daily discharge, 1,510 cfs Oct 8, 1960, maximum gage height, 4 74 ft Sept 8, 1965, maximum reverse flow, 515 cfs (estimated) Sept 8, 1965, from hurricane tide, minimum gage height, 0 99 ft May 31, 1962

Remarks --Records good prior to Oct 1, 1962, and fair thereafter except those for periods of no gage-height or deflection record, which are poor Flow affected by regulation at salinity dam and by storage releases at control structure 32 Discharge computed from continuous velocity record obtained from recording deflection meter

DISCHARGE, IN CUBIC FEET PER SECOND, NOVEMBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-	-	1,090	902	709	734	699	893	574	709	909	864
2	-	-	1,040	894	698	722	694	915	588	675	871	855
3	-	-	1,030	888	700	704	681	944	506	685	831	907
4	-	-	989	914	726	743	685	927	625	724	792	915
5	-	-	959	894	743	743	647	880	650	722	782	916
6	-	-	959	898	730	744	627	868	605	762	824	918
7	-	-	980	871	720	740	603	829	547	845	870	891
8	-	-	1,020	859	726	755	595	687	558	782	898	837
9	-	-	1,040	874	731	771	595	667	541	760	872	766
10	-	-	1,070	890	748	756	569	638	551	729	845	513
11	-	-	1,110	887	761	732	558	613	533	713	844	1,220
12	-	-	1,110	837	705	718	537	609	507	710	854	1,250
13	-	-	1,120	805	718	715	539	593	493	756	869	1,310
14	-	-	1,130	788	692	734	537	585	506	761	883	1,300
15	-	-	1,140	773	722	726	539	563	580	762	921	1,270
16	-	-	1,170	765	713	720	536	542	618	730	840	1,250
17	-	-	1,150	775	753	729	517	531	641	724	847	1,230
18	-	-	1,100	755	749	763	477	490	670	733	781	1,280
19	-	-	1,040	751	799	795	511	504	744	707	731	1,270
20	-	-	1,040	738	807	788	566	519	784	697	732	1,270
21	-	-	1,010	738	789	750	593	499	786	645	745	1,290
22	-	-	989	682	802	713	584	503	743	637	723	1,290
23	-	-	953	694	845	706	624	493	697	620	752	1,280
24	-	-	946	687	818	687	710	507	675	649	781	1,360
25	-	1,120	993	692	773	678	778	473	682	678	787	1,420
26	-	1,210	976	710	754	693	816	471	667	679	808	1,460
27	-	1,180	978	706	746	675	847	482	667	717	797	1,460
28	-	1,160	950	711	755	680	860	500	686	718	784	1,440
29	-	1,160	938	702	740	662	868	541	714	694	782	1,420
30	-	1,150	956	669	-----	662	868	571	720	736	823	1,430
31	-	-	931	672	-----	687	-----	577	-----	838	854	-----
TOTAL	-	-	31,907	24,421	21,672	22,425	19,260	19,414	18,958	22,297	25,432	34,882
MEAN	-	-	1,029	788	747	723	642	626	632	719	820	1,163
MAX	-	-	1,170	914	845	795	868	944	786	845	921	1,460
MIN	-	-	931	669	692	662	477	471	493	620	723	513
AC-FT	-	-	63,290	48,440	42,990	44,480	38,200	38,510	37,600	44,230	50,440	69,190

Note --No deflection record Apr 21 to May 18

2-2882 Miami Canal at Palmetto bypass, near Hialeah, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,420	1,270	993	870	907	751	334	208	432	375	208	229
2	1,420	1,290	977	867	926	756	355	219	357	340	200	230
3	1,400	1,310	954	860	930	747	315	237	419	338	202	220
4	1,380	1,290	933	874	941	717	313	226	477	310	258	202
5	1,370	1,250	931	896	904	715	293	225	353	265	328	194
6	1,430	1,220	934	907	905	741	285	214	324	265	255	184
7	1,460	1,210	934	911	931	732	294	215	287	264	228	192
8	1,510	1,170	951	911	928	613	314	196	261	263	218	202
9	1,470	1,140	954	919	828	470	296	207	370	256	200	221
10	1,460	1,140	946	943	815	350	286	230	446	296	200	220
11	1,440	1,130	941	922	814	305	284	219	432	306	199	202
12	1,400	1,130	896	1,040	793	309	274	227	366	276	199	192
13	1,400	1,110	867	1,120	791	311	273	217	318	264	191	192
14	1,420	1,090	875	1,120	814	327	271	207	273	245	189	212
15	1,430	1,090	795	1,100	815	352	270	198	254	746	189	342
16	1,410	1,120	799	1,100	815	350	260	197	264	227	191	434
17	1,400	1,110	796	1,060	814	332	267	178	292	237	221	461
18	1,390	1,110	810	1,050	826	352	240	177	246	314	231	403
19	1,370	1,090	825	1,010	815	341	241	166	227	275	230	323
20	1,360	1,060	834	977	774	348	224	166	217	236	297	790
21	1,330	1,060	852	944	792	359	231	165	216	217	418	261
22	1,320	1,050	861	933	791	352	222	174	198	209	353	251
23	1,310	1,040	869	894	788	426	213	177	207	191	364	230
24	1,290	1,020	876	922	789	548	205	207	210	181	264	213
25	1,270	1,020	876	927	752	507	197	336	199	182	729	212
26	1,270	1,010	894	926	766	508	197	398	197	267	228	203
27	1,270	1,040	899	886	770	489	197	758	264	394	229	203
28	1,250	1,040	919	884	795	402	216	786	486	283	300	193
29	1,190	1,030	936	928	-----	317	229	759	485	246	450	194
30	1,220	1,020	942	940	-----	312	218	715	407	237	347	204
31	1,220	-----	933	907	-----	292	-----	515	-----	218	265	-----
TOTAL	42,280	33,600	27,812	29,548	23,329	14,431	7,814	9,119	9,484	8,223	7,881	7,309
MEAN	1,364	1,122	897	953	833	466	260	294	316	265	254	244
MAX	1,510	1,310	993	1,120	941	756	355	766	441	396	450	461
MIN	1,190	1,010	795	860	752	292	197	165	197	181	189	184
AC-FT	83,860	66,760	55,160	58,610	46,270	28,620	15,500	13,090	18,810	16,310	15,630	14,500
CAL YR 1960	TOTAL	312,513	MEAN	854	MAX	1,510	MIN	471	AC-FT	619,900		
WAT YR 1961	TOTAL	220,890	MEAN	805	MAX	1,510	MIN	165	AC-FT	436,100		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	221	148	143	129	155	145	158	140	103	484	165	245
2	230	157	143	139	146	145	142	139	111	463	166	256
3	222	157	143	148	146	128	158	123	105	430	165	257
4	211	138	134	147	145	130	157	132	136	427	156	253
5	209	148	125	156	145	139	165	126	128	396	156	320
6	202	147	143	147	144	156	164	155	131	373	166	334
7	200	148	142	140	144	156	156	165	139	393	156	301
8	190	150	124	157	144	156	149	165	156	346	147	270
9	173	149	132	156	155	156	141	164	156	353	147	243
10	177	149	131	156	147	155	168	164	131	355	147	233
11	208	148	131	130	146	146	175	147	158	328	187	202
12	205	148	131	131	154	154	166	155	167	306	241	194
13	204	147	140	149	154	153	148	146	160	311	221	219
14	204	146	139	158	145	152	148	161	162	273	230	236
15	184	147	148	159	153	143	147	160	168	281	285	228
16	193	147	146	158	161	134	146	143	245	300	311	226
17	183	147	139	158	161	142	137	150	373	290	292	244
18	175	129	139	158	152	141	137	150	357	262	281	274
19	175	128	139	158	143	140	144	141	379	232	218	338
20	174	155	164	158	142	139	143	140	420	245	218	413
21	173	146	147	158	142	147	134	131	632	264	194	545
22	172	146	138	169	141	138	142	138	690	261	184	577
23	172	127	147	160	140	131	141	138	654	234	166	583
24	163	128	138	160	140	150	140	137	568	183	156	562
25	165	127	138	159	139	150	140	121	543	174	156	483
26	165	127	146	150	139	151	132	128	510	165	175	470
27	165	136	146	149	146	160	125	135	465	164	329	448
28	158	126	138	140	138	159	141	126	469	154	314	459
29	178	126	157	149	-----	167	141	132	460	153	306	447
30	168	144	137	148	-----	158	140	125	480	145	290	444
31	158	-----	145	156	-----	149	-----	110	-----	175	274	-----
TOTAL	5,784	4,266	4,335	4,690	4,107	4,570	4,425	4,387	9,356	8,920	6,599	10,304
MEAN	187	142	140	151	147	147	148	142	312	288	213	343
MAX	230	157	166	169	161	167	175	165	690	684	329	583
MIN	158	126	124	129	138	128	125	110	103	145	147	194
AC-FT	11,470	8,460	8,600	9,300	8,150	9,060	8,780	8,700	18,560	17,690	13,090	20,440
CAL YR 1961	TOTAL	131,523	MEAN	360	MAX	1,120	MIN	124	AC-FT	260,900		
WAT YR 1962	TOTAL	71,743	MEAN	197	MAX	1,120	MIN	103	AC-FT	142,300		

## 2-2882 Miami Canal at Palmetto bypass, near Hialeah, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	494	385	262	249	249	240	195	146	129	175	144	182
2	462	327	243	249	249	239	205	199	128	156	143	184
3	470	344	253	240	248	227	185	179	120	146	143	202
4	420	323	263	259	288	210	184	191	140	146	142	225
5	387	304	263	278	287	210	183	179	163	136	142	256
6	368	304	274	278	278	218	173	176	228	128	141	321
7	348	286	281	278	268	199	171	174	229	136	140	346
8	324	277	292	289	268	198	195	164	225	126	139	304
9	267	183	292	326	268	180	184	151	224	136	139	319
10	268	454	291	326	267	190	174	176	188	136	146	368
11	266	473	300	307	248	199	182	159	171	135	146	347
12	269	374	305	308	343	177	180	149	160	136	149	331
13	229	325	298	349	408	188	169	140	150	144	149	294
14	247	323	317	369	365	179	177	139	151	143	157	235
15	239	332	317	347	305	188	167	146	172	142	148	236
16	238	331	306	369	341	188	174	146	183	142	132	254
17	211	341	308	350	370	188	173	144	172	141	141	271
18	204	347	307	348	367	206	164	144	162	140	136	273
19	195	344	297	328	359	186	163	151	151	139	214	272
20	166	342	269	308	301	194	162	133	131	142	479	392
21	166	323	285	298	311	164	161	124	130	159	376	490
22	194	304	286	278	301	163	168	133	131	141	347	523
23	186	285	289	279	289	174	159	125	149	133	319	590
24	196	266	289	287	297	173	166	144	186	132	277	592
25	195	289	280	259	278	182	165	146	167	140	250	650
26	177	285	280	250	251	182	164	128	151	140	220	778
27	186	248	275	250	240	190	163	127	171	139	207	836
28	186	240	288	259	240	199	162	135	171	138	216	779
29	166	251	267	238	-----	204	153	118	180	137	213	786
30	186	261	287	249	-----	197	144	119	187	137	204	787
31	276	-----	260	259	-----	186	-----	129	-----	136	188	-----
TOTAL	8,266	9,522	8,876	9,041	8,284	6,062	5,169	4,576	5,000	4,357	5,987	12,423
MEAN	267	317	286	292	266	195	172	148	167	141	191	414
MAX	494	454	417	408	408	240	205	191	229	175	379	839
MIN	177	240	243	238	240	173	144	118	120	126	132	182
AC-FT	16,400	18,890	17,610	17,930	16,430	12,020	10,750	9,080	9,920	8,640	11,880	24,640

CAL YR 1962 TOTAL 84,066 MEAN 230 MAX 690 MIN 103 AC-FT 166,700  
WAT YR 1963 TOTAL 87,567 MEAN 240 MAX 839 MIN 118 AC-FT 173,700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	768	288	180	461	185	277	213	225	154	228	215	545
2	717	269	189	334	185	268	204	275	155	229	224	523
3	705	250	189	221	185	269	212	275	157	218	241	513
4	646	232	189	213	194	278	212	281	169	232	266	490
5	606	263	189	214	234	405	211	296	162	218	302	470
6	533	273	188	222	225	294	210	250	195	304	307	460
7	490	252	188	246	252	275	192	249	242	297	321	480
8	497	234	188	228	290	265	182	219	313	319	326	450
9	497	217	186	211	326	274	173	218	520	350	316	460
10	557	227	186	218	343	273	165	216	485	333	316	480
11	547	219	198	225	307	226	157	215	460	299	330	490
12	523	248	188	255	280	244	165	213	494	277	319	480
13	494	237	187	293	261	229	186	204	486	265	318	500
14	475	245	187	270	270	216	164	219	469	246	296	490
15	466	245	178	226	251	225	155	215	472	206	300	470
16	545	237	178	244	251	233	176	212	457	263	296	420
17	577	228	170	244	232	244	167	211	444	283	326	480
18	605	218	184	234	242	218	156	200	424	272	343	520
19	607	213	191	243	225	208	157	190	346	262	318	510
20	557	217	191	234	224	199	156	183	234	260	300	520
21	502	217	190	233	214	200	155	195	235	232	320	510
22	426	216	190	232	234	219	154	193	281	185	292	480
23	331	225	190	232	307	209	153	193	276	170	291	431
24	288	225	190	223	326	208	143	173	259	180	299	430
25	238	216	170	214	300	208	153	163	248	218	305	454
26	266	216	170	204	309	208	171	161	256	212	317	470
27	257	216	189	213	280	207	162	151	245	220	356	470
28	257	199	189	221	280	216	161	152	240	209	608	444
29	265	200	188	202	268	225	155	154	228	226	629	437
30	260	190	172	194	-----	274	242	156	228	260	643	438
31	289	-----	362	194	-----	205	-----	145	-----	222	588	-----
TOTAL	14,811	6,937	5,926	7,398	7,480	7,346	5,234	6,372	9,345	7,675	10,828	14,287
MEAN	478	231	191	239	258	237	174	206	312	248	349	476
MAX	768	362	362	362	362	405	242	286	520	350	643	545
MIN	238	190	170	194	185	199	143	145	154	170	215	420
AC-FT	29,380	13,760	11,750	14,670	14,840	14,570	10,380	12,640	18,540	15,220	21,480	28,340

CAL YR 1963 TOTAL 88,573 MEAN 243 MAX 839 MIN 118 AC-FT 175,700  
WAT YR 1964 TOTAL 103,639 MEAN 283 MAX 768 MIN 143 AC-FT 205,600

## 2-2882 Miami Canal at Palmetto bypass, near Hialeah, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	453	580	280	198	233	394	299	185	186	175	227	166
2	456	470	315	208	241	341	255	176	185	174	224	175
3	470	380	289	189	232	359	230	176	185	174	207	166
4	408	370	246	170	240	477	220	185	184	173	208	166
5	455	380	346	188	240	578	219	185	192	172	199	167
6	459	390	655	187	240	510	218	212	184	171	200	189
7	437	390	614	178	265	507	209	238	186	170	199	195
8	448	400	607	178	319	462	201	238	192	169	190	67
9	439	370	595	151	274	372	200	211	194	168	189	480
10	440	330	567	151	298	347	200	237	200	170	188	431
11	460	300	549	141	297	328	200	255	198	172	190	210
12	530	290	538	122	280	318	199	237	197	181	192	209
13	520	300	527	122	279	316	198	218	212	258	202	224
14	500	300	460	131	279	306	197	245	222	274	200	237
15	610	300	347	131	278	305	187	218	209	217	198	210
16	600	300	375	122	271	287	186	208	199	209	198	203
17	560	290	399	103	270	277	186	199	189	223	246	223
18	570	280	337	122	269	286	185	190	188	280	311	238
19	596	270	259	141	269	285	185	208	195	296	311	226
20	530	260	279	140	286	284	175	201	205	308	319	208
21	450	252	314	140	306	273	175	201	201	308	309	184
22	350	236	328	139	287	257	183	199	200	310	298	194
23	330	246	304	112	330	242	183	198	198	275	287	203
24	370	280	303	122	384	258	183	198	188	215	277	202
25	380	283	303	171	466	248	182	198	179	223	225	201
26	350	298	286	129	459	247	182	198	196	213	179	288
27	320	287	285	232	464	247	175	197	179	220	169	414
28	450	287	285	213	462	246	169	205	178	212	169	351
29	650	280	303	231	-----	219	177	196	168	212	169	213
30	630	283	190	249	-----	213	186	195	167	203	168	230
31	610	-----	189	243	-----	232	-----	196	-----	220	167	-----
TOTAL	14,905	9,632	11,672	5,004	8,518	10,001	5,944	6,403	5,756	6,745	6,815	6,870
MEAN	481	323	377	161	304	323	198	207	192	218	220	229
MAX	650	580	655	249	466	578	299	255	222	310	319	480
MIN	320	236	189	103	232	213	169	176	167	168	167	67
AC-FT	29,560	19,200	23,150	9,930	16,903	19,840	11,790	12,700	11,420	13,380	13,520	13,630
CAL YR 1964	TOTAL 112,224			MEAN 307		MAX 655		MIN 143		AC-FT 222,600		
WAT YR 1965	TOTAL 98,315			MEAN 269		MAX 655		MIN 67		AC-FT 195,000		

Note --No gage-height or deflection record Oct 10 to Nov 20

2-2886 Miami Canal at N W 36th Street, Miami, Fla

Location --Lat 25°48'29", long 80°15'44", in NE<sup>1</sup>/<sub>4</sub> sec 29, T 53 S R 41 E, on right bank at downstream end of N W 36th Street Bridge fender at Miami, Dade County, 200 ft upstream from salinity control, 1 4 miles upstream from Tamiami Canal, and 5 7 miles upstream from mouth

Records available --February 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --6 years, 335 cfs (242,500 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 11, 12, 15, 1960	1,450	a 3 04	Many days	0	b -0 33
1962	Sept 21, 1962	892	c 3 02	Oct 23, 1961	-186	d 09
1963	Sept 30, 1963	918	e 3 19	July 20, 1963	-126	f 65
1964	Aug 27, 1964	1,160	f 3 34	Sept 9, 1964	-167	h - 17
1965	Sept 9, 1965	999	i 5 14	Sept 8, 1965	j -1,400	k - 03

a Occurred Oct 6, 1960 b Occurred Feb 27, 1961 c Occurred June 21, 1962 d Occurred July 7, 1962 e Occurred Nov 9, 1962 f Occurred Oct 3, 1962 g Occurred Dec 31, 1963 h Occurred Sept 2, 1964 i Occurred Sept 8, 1965 j Estimated, from hurricane tides k Occurred Dec 7, 1964

Note --Negative figures indicate reverse flow

1959-65 Maximum discharge, 1,900 cfs Oct 2, 1959, maximum gage height, 5 14 ft Sept 8, 1965, maximum reverse flow, 1,400 cfs (estimated) Sept 8, 1965, minimum gage height, -0 44 ft Apr 17, 1960

Remarks --Records good except those for period of indefinite deflection-velocity relation, which are fair. Flow affected by tide and is occasionally reversed. Some seepage losses above station into City of Miami well field for recharge of ground-water withdrawals. Natural flow materially affected by levee and control structures 14 miles upstream. Discharge computed from continuous velocity record obtained from recording deflection meter. Records of chemical analyses for the water years 1962, 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,370	1,250	902	793	812	770	265	20	473	445	45	195
2	1,250	1,250	874	815	802	768	290	90	398	342	0	180
3	1,320	1,280	801	831	778	742	290	120	514	357	15	165
4	1,160	1,240	809	831	889	775	290	120	605	346	86	60
5	1,260	1,220	801	844	884	786	255	120	477	224	264	0
6	1,140	1,170	834	835	811	816	230	105	408	223	170	0
7	1,310	1,200	859	829	782	816	230	15	328	222	60	30
8	1,380	1,140	845	834	879	720	230	0	215	216	55	50
9	1,440	1,130	839	836	867	518	230	15	442	178	0	120
10	1,430	1,140	824	883	825	240	230	145	574	230	0	60
11	1,450	1,150	784	831	811	110	230	125	564	247	0	0
12	1,450	1,080	850	980	814	110	230	105	463	252	0	0
13	1,440	1,100	841	1,090	802	110	230	45	390	245	0	0
14	1,440	1,080	783	1,160	807	170	230	0	306	194	0	40
15	1,450	1,030	682	1,130	772	230	230	0	243	177	0	360
16	1,350	1,040	788	1,110	757	230	230	0	248	159	0	498
17	1,260	1,080	782	1,100	724	230	220	0	351	120	135	564
18	1,270	1,020	801	1,040	702	230	140	0	225	292	190	507
19	1,250	1,320	776	1,010	727	230	120	0	179	217	185	406
20	1,260	995	783	1,020	741	230	120	0	177	195	265	348
21	1,230	992	778	996	736	230	120	0	195	120	441	260
22	1,230	979	856	975	750	230	120	0	135	60	434	226
23	1,200	986	872	963	787	320	85	0	120	0	484	225
24	1,180	963	835	969	845	415	30	120	0	262	240	0
25	1,160	945	863	952	834	340	0	288	120	40	240	230
26	1,190	929	847	951	750	340	0	440	115	230	240	170
27	1,170	941	841	914	724	340	0	900	171	445	180	120
28	1,130	921	834	929	740	235	35	935	586	255	271	120
29	1,100	923	836	914	-----	180	80	884	595	175	594	120
30	1,060	916	854	879	-----	230	60	831	470	120	438	120
31	1,110	-----	829	870	-----	230	-----	566	-----	60	278	-----
TOTAL	39,440	32,130	25,503	29,114	22,152	11,921	5,050	5,899	10,207	6,385	5,332	5,408
MEAN	1,272	1,071	821	929	791	385	168	190	340	206	172	180
MAX	1,450	1,280	902	1,160	889	816	290	935	605	445	594	564
MIN	1,060	916	682	793	702	110	0	0	115	0	0	0
AC-FT	78,230	63,730	50,580	57,750	43,940	23,640	10,020	11,700	20,250	12,660	10,580	10,730

CAL YR 1960 TOTAL 309,363 MEAN 845 MAX 1,570 MIN 416 AC-FT 613,600  
WAT YR 1961 TOTAL 198,541.00 MEAN 544 MAX 1,450 MIN 0 AC-FT 393,800

Note --Deflection-velocity relation indefinite Mar 10 to May 24

## 2-2886 Miami Canal at N W 36th Street, Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	173	45	17	32	32	0	0	0	0	444	20	274
2	184	17	6.0	22	15	5.0	0	0	0	469	42	303
3	168	34	17	5.0	16	5.0	0	0	0	493	28	331
4	178	40	6.0	5.0	5.0	-6.0	5.0	0	0	485	0	364
5	172	40	6.0	16	5.0	-22	5.0	5.0	0	516	45	388
6	171	34	6.0	5.0	21	-5.0	16	15	0	525	103	419
7	139	46	5.0	0	32	-5.0	5.0	11	0	526	79	408
8	133	66	16	5.0	21	-22	5.0	21	5.0	532	97	396
9	95	66	16	22	22	-38	0	21	5.0	516	145	331
10	80	68	22	22	22	-22	5.0	15	0	518	82	272
11	171	74	16	32	22	-22	5.0	5.0	5.0	503	206	174
12	175	57	22	0	22	-5.0	5.0	5.0	0	475	389	207
13	175	60	16	5.0	21	5.0	5.0	15	5.0	449	310	244
14	163	60	5.0	16	21	16	16	15	5.0	452	340	237
15	152	45	5.0	16	21	5.0	15	20	5.0	472	407	244
16	117	34	16	16	32	0	5.0	15	90	477	426	243
17	68	34	32	5.0	32	0	5.0	5.0	302	466	383	242
18	62	23	22	16	37	0	15	5.0	236	421	358	270
19	68	23	16	5.0	37	5.0	5.0	0	245	356	264	400
20	73	23	5.0	5.0	37	21	15	5.0	277	373	264	555
21	73	23	5.0	22	37	36	15	5.0	500	356	191	668
22	51	28	16	16	42	15	20	6	617	339	192	676
23	16	33	5.0	17	42	0	15	0	591	168	80	616
24	12	22	5.0	0	36	-5.0	15	5.0	562	57	585	585
25	5.0	34	5.0	0	42	-16	15	5.0	554	50	118	535
26	-1.0	39	16	0	36	-5.0	5.0	0	541	0	160	499
27	0	39	21	0	36	0	5.0	0	519	0	420	501
28	51	33	16	5.0	21	0	15	0	491	0	417	528
29	38	34	21	16	-----	0	5.0	0	447	0	369	557
30	57	33	21	38	-----	5.0	0	0	423	18	341	573
31	68	-----	32	38	-----	5.0	-----	-11	-----	68	312	-----
TOTAL	3,032.0	1,248	435.0	402.0	766.0	-50.0	242.0	197.0	6,441.0	10,524	6,663	11,985
MEAN	99.4	41.3	14.0	13.5	27.4	-1.6	8.07	6.35	215	339	215	404
MAX	184	80	32	38	42	36	20	21	617	532	426	668
MIN	-1.0	17	5.0	0	5.0	-38	0	-11	0	0	0	174
AC-FT	6,110	2,460	863	797	1,520	-99	480	391	12,780	20,870	13,220	23,770

CAL YR 1961 TOTAL 106,223.0 MEAN 291 MAX 1,160 MIN -1 AC-FT 210,700  
WAT YR 1962 TOTAL 41,925 MEAN 115 MAX 608 MIN -38 AC-FT 83,160

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	569	329	129	146	133	99	51	31	0	28	21	88
2	586	281	139	146	128	99	51	11	21	28	26	44
3	544	318	130	146	133	121	57	11	22	22	26	179
4	470	321	142	146	179	103	62	12	11	11	26	260
5	446	246	142	134	184	93	57	23	22	11	21	269
6	431	228	158	146	133	99	51	34	35	11	10	346
7	410	190	199	134	122	121	40	40	70	11	10	426
8	317	179	187	169	110	103	51	39	97	22	0	414
9	276	478	182	191	128	75	57	50	114	11	0	419
10	287	509	222	162	122	70	57	130	99	22	0	469
11	288	344	210	152	104	70	51	61	132	28	0	464
12	267	218	192	134	242	46	45	55	92	22	0	442
13	168	231	221	151	410	52	44	55	69	28	0	350
14	104	241	209	215	308	40	50	49	98	28	0	256
15	179	229	192	197	275	46	44	33	132	27	0	246
16	189	229	187	215	344	69	44	27	133	27	0	330
17	123	229	203	232	410	63	49	27	121	49	11	379
18	68	241	215	243	385	51	11	54	86	49	11	372
19	68	253	180	242	332	57	0	53	80	38	16	370
20	91	241	170	225	271	11	0	46	69	11	164	574
21	68	240	169	225	220	28	0	26	62	11	214	615
22	74	252	170	231	209	40	0	11	69	22	175	599
23	74	257	152	191	207	39	11	11	68	22	103	633
24	103	235	164	190	196	23	11	21	62	11	0	634
25	91	218	170	203	121	22	26	72	57	11	0	662
26	91	218	169	174	105	11	31	32	13	11	59	655
27	108	162	165	163	140	0	31	32	29	11	176	632
28	114	152	175	185	127	0	41	32	35	21	192	682
29	119	140	191	190	-----	36	46	27	29	21	208	714
30	146	129	185	168	-----	63	56	11	34	11	129	738
31	205	-----	165	168	-----	51	-----	0	-----	11	69	-----
TOTAL	7,156	7,338	5,477	5,614	5,778	1,795	1,130	1,068	1,961	642	1,667	13,311
MEAN	231	251	177	181	206	57.9	37.7	34.5	65.4	20.7	53.8	444
MAX	586	509	222	243	410	121	62	130	133	49	214	738
MIN	68	129	129	134	104	0	0	0	11	0	0	88
AC-FT	14,190	14,950	10,870	11,140	11,460	3,560	2,240	2,120	3,890	1,270	3,310	26,400

CAL YR 1962 TOTAL 57,342 MEAN 157 MAX 668 MIN -38 AC-FT 113,700  
WAT YR 1963 TOTAL 53,138.00 MEAN 146 MAX 738 MIN 0 AC-FT 105,400



## 2-2886 Miami Canal at N W 36th Street, Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	714	191	36	637	35	80	45	35	28	184	170	517
2	657	190	59	313	35	60	56	53	28	155	170	489
3	635	173	65	66	40	46	50	36	59	222	181	453
4	626	139	53	73	85	23	39	80	92	290	162	424
5	622	188	53	73	122	12	39	104	82	216	210	408
6	580	217	71	124	110	29	44	58	228	302	155	411
7	582	227	83	182	110	34	49	58	371	324	181	414
8	573	204	77	121	110	34	49	63	432	445	183	412
9	566	153	59	60	110	34	33	68	526	448	211	431
10	645	142	53	114	109	40	27	68	538	476	287	486
11	623	143	59	128	56	34	11	39	529	485	331	493
12	607	208	41	135	35	34	22	11	508	468	323	478
13	548	271	65	244	52	34	22	11	500	445	216	511
14	499	269	41	173	46	39	22	11	478	289	89	491
15	514	200	12	76	46	45	11	89	462	217	85	439
16	727	160	6.0	111	35	34	28	93	430	292	63	253
17	778	154	6.0	82	35	23	33	69	377	288	262	443
18	714	142	6.0	64	29	28	11	57	325	261	314	596
19	633	148	6.0	76	29	45	5.0	40	234	237	248	554
20	588	153	24	70	41	40	5.0	46	138	230	227	591
21	553	153	12	69	35	40	5.0	52	96	189	261	574
22	375	158	30	69	35	40	5.0	46	211	53	238	542
23	245	158	30	58	109	40	5.0	46	202	22	243	494
24	191	152	6.0	81	70	51	5.0	46	167	65	247	519
25	113	146	6.0	70	52	57	5.0	34	156	119	235	582
26	130	141	6.0	70	35	57	11	55	155	109	379	610
27	119	118	6.0	87	35	40	21	14	154	103	611	596
28	125	77	24	86	29	40	27	28	173	103	539	563
29	147	24	47	92	63	34	5.0	34	161	180	531	563
30	186	12	72	81	-----	23	23	46	166	266	558	594
31	191	-----	465	52	-----	39	-----	34	-----	217	532	-----
TOTAL	14,806	4,611	1,574.0	5,377	4,789	1,198	713.0	1,524	8,066	7,700	8,482	14,931
MEAN	478	160	50.9	121	61.7	38.6	23.8	49.2	267	248	274	498
MAX	778	271	465	637	122	80	56	104	538	485	611	610
MIN	113	12	6.0	52	29	12	5.0	11	28	22	63	253
AC-FT	29,370	9,940	3,130	7,410	3,550	2,380	1,410	3,020	15,880	15,270	16,820	29,620

CAL YR 1963: TOTAL 54,102.00 MEAN 148 MAX 778 MIN 0 AC-FT 107,400  
 MAY YR 1964: TOTAL 69,270.0 MEAN 189 MAX 778 MIN 5.0 AC-FT 137,400

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	534	667	271	235	139	230	196	0	0	0	242	0
2	526	507	269	253	127	134	147	0	0	0	201	0
3	532	428	193	230	132	163	69	0	0	0	130	0
4	536	423	148	241	144	472	92	0	0	0	91	0
5	555	428	193	240	143	491	92	0	0	0	61	0
6	560	444	643	223	137	432	86	0	0	0	0	107
7	559	440	598	229	215	446	44	0	0	0	0	53
8	513	448	566	201	295	382	0	0	0	0	0	-127
9	514	536	560	174	257	707	0	0	0	0	24	187
10	510	215	507	168	285	215	0	0	0	0	0	515
11	531	138	490	173	222	220	0	0	0	0	0	0
12	610	145	475	167	173	220	0	0	0	0	0	0
13	604	156	464	161	184	207	0	0	0	0	24	187
14	570	145	363	161	172	207	0	0	63	126	74	233
15	716	145	248	156	172	201	0	0	51	50	68	172
16	689	145	327	156	179	207	0	0	0	0	36	150
17	678	151	354	179	161	189	0	0	0	35	0	197
18	657	145	244	156	166	194	0	0	0	232	0	268
19	699	162	194	151	166	204	0	0	0	296	0	255
20	605	162	206	151	160	187	0	0	52	404	0	119
21	457	154	286	162	160	231	0	0	97	395	0	0
22	183	156	265	155	160	160	0	0	68	402	0	91
23	142	207	203	139	276	127	0	0	59	266	0	163
24	276	204	225	140	375	144	0	0	26	70	0	167
25	265	207	214	162	378	149	0	0	0	70	0	166
26	179	258	180	194	399	142	0	0	0	70	0	435
27	86	252	208	138	389	137	0	0	0	80	0	668
28	300	241	226	161	372	142	0	0	0	87	0	468
29	729	253	248	155	-----	60	0	0	0	92	0	221
30	710	273	241	132	-----	0	0	0	0	190	0	242
31	697	-----	247	145	-----	70	-----	0	-----	256	0	-----
TOTAL	15,749	8,055	10,073	5,488	6,113	6,620	726	0	416	3,145	927	5,480
MEAN	508	269	325	177	218	214	24.2	0	13.9	101	29.9	183
MAX	729	667	643	253	399	491	196	0	97	404	242	730
MIN	86	138	136	132	127	0	0	0	0	0	0	-127
AC-FT	31,240	15,980	19,980	10,890	12,120	13,130	1,440	0	825	6,240	1,840	10,870

CAL YR 1964: TOTAL 81,957.0 MEAN 224 MAX 729 MIN 5.0 AC-FT 162,600  
 MAY YR 1965: TOTAL 62,792 MEAN 172 MAX 730 MIN -127 AC-FT 124,500

Note --Negative figures indicate reverse flow

## 2-2888 Tamiami Canal outlets, Monroe to Carnestown, Fla

Location --Lat 25°53'10", long 81°15'30", in NW 1/4 sec 6, T 53 S, R 31 E, on downstream side of Bridge 84 on U S Highway 41, 7 miles east of Carnestown, and 10 miles west of Monroe, Collier County

Records available --August 1960 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to May 2, 1963, at site 2 miles east at datum 0 93 ft lower May 2, 1963, to Feb 10, 1965, at site on west bank of unnamed lateral 30 ft downstream at present datum

Average discharge --5 years, 294 cfs (212,800 acre-ft per year)

Extremes --Maximum and minimum discharges for the period August 1960 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 14, 1960	6,180	6 83	Sept 2, 1960	400	4 82
1961	Oct 15, 1960	a 2,830	b 6 40	Many days	0	c 1 30
1962	Sept 24, 25, 1962	4,270	6 29	do	0	d 50
1963	Sept 26, 1963	5,690	e 4 74	do	f 2 0	g - 18
1964	Sept 9, 1964	1,120	i 3 89	do	f 1 0	j 13
1965	July 26, 1965	1,390	k 3 63	May 26, 1965	f 5 0	m 37

a Maximum peak discharge, maximum discharge during year, 3,990 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred May 26, 1961 d Observed May 30, 1962 e Occurred Oct 1, 1962  
f Minimum daily g Occurred May 3, 1963 (tide affected) h Maximum independent peak discharge during year, 2,120 cfs Oct 1, 1963, occurred on recession following peak of Sept 26, 1963  
i Occurred Oct 1, 1963 j Occurred May 7, 1964 (tide affected) k Occurred Sept 18, 1965  
m Occurred May 26, June 2, 1965 (tide affected)

1960-65 Maximum discharge, 6,180 cfs Sept 14, 1960 (gage height, 5 90 ft, present datum), no flow for many days in some years, minimum gage height observed, -0 43 ft (present datum) May 30, 1962

Remarks --Records good except those for periods of indefinite stage-discharge relation, which are poor Figures of discharge consist of runoff from Big Cypress Swamp as represented by flow through all the outlets of the Tamiami Canal from Monroe, 55 miles west of Miami, to a point 1 mile east of the intersection with State Highway 29 at Carnestown Flow at westernmost outlets slightly affected by tide

## DISCHARGE, IN CUBIC FEET PER SECOND, AUGUST TO SEPTEMBER 1960

DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT
1	-	445	6	-	1,120	11	-	4,220	16	-	5,200	21	630	4,220
2	-	422	7	-	1,120	12	-	5,410	17	-	4,740	22	706	3,900
3	-	460	8	-	1,200	13	-	6,010	18	-	4,360	23	706	3,650
4	-	763	9	-	1,260	14	-	5,840	19	776	4,220	24	802	3,360
5	-	1,030	10	-	2,200	15	-	5,840	20	673	4,550	25	841	3,050
TOTAL														
MEAN														94,940
MAX														3,165
MIN														6,010
AC-FT														222
														188,300

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT
1	3,780	1,000	303	51	0	10	0	0	5.0	378	140	1,020
2	3,440	1,370	281	50	0	10	0	0	0	1,000	120	970
3	3,010	1,430	255	45	0	10	0	0	0	1,680	120	1,000
4	2,650	1,410	231	40	0	10	0	0	0	2,390	102	985
5	2,390	1,350	209	40	0	10	0	0	0	2,140	90	910
6	2,300	1,300	189	35	0	10	0	0	0	1,780	72	802
7	2,200	1,200	177	30	10	10	0	0	0	1,430	74	695
8	2,110	1,080	167	30	40	10	0	0	0	1,120	126	564
9	2,060	1,000	153	30	40	10	0	0	0	867	128	468
10	1,970	955	143	25	50	10	0	0	5.0	739	120	408
11	1,970	910	131	20	50	10	0	0	11	706	120	494
12	2,110	910	137	15	50	10	0	0	12	592	177	460
13	2,300	854	126	10	40	10	0	0	14	511	217	452
14	2,480	789	114	5.0	40	10	0	0	10	554	240	378
15	2,790	728	112	0	40	10	0	0	10	494	309	303
16	2,690	684	143	0	40	10	0	0	20	415	494	275
17	2,550	651	137	0	35	10	0	0	18	366	602	259
18	2,300	612	126	0	30	10	0	0	16	314	602	213
19	2,080	593	114	0	25	5.0	0	0	13	400	574	181
20	1,940	536	107	0	20	5.0	0	0	12	392	502	140
21	1,810	502	107	0	15	5.0	0	0	10	422	430	107
22	1,660	468	107	0	10	5.0	0	0	10	408	359	82
23	1,520	438	95	0	10	30	0	0	320	309	64	
24	1,390	422	88	0	10	0	0	0	25	245	281	50
25	1,310	408	82	0	10	0	0	0	35	281	298	35
26	1,200	422	76	0	10	0	0	0	123	372	438	30
27	1,120	408	68	0	10	0	0	0	112	309	750	59
28	1,030	385	65	0	10	0	0	5.0	167	299	841	82
29	985	359	60	0	-----	0	0	14	236	250	970	131
30	895	333	57	0	-----	0	0	12	298	222	1,050	177
31	841	-----	53	0	-----	0	-----	10	-----	181	1,050	-----
TOTAL	62,881	23,497	4,213	426.0	615	200.0	0	41.0	1,183.0	21,537	11,705	11,794
MEAN	2,028	763	136	13.7	22.0	6.45	0	1.32	39.4	695	378	393
MAX	3,780	1,430	303	51	60	10	0	14	298	2,390	1,050	1,020
MIN	841	333	53	0	0	0	0	0	0	181	72	30
AC-FT	124,700	46,610	8,360	845	1,220	397	0	81	2,350	42,720	23,220	23,390

CAL YR 1960: TOTAL 185,531 MEAN 507 MAX 6,010 MIN 53

WAT YR 1961: TOTAL 138,092.00 MEAN 378 MAX 3,780 MIN 0 AC-FT 368,000

Note --Stage-discharge relation indefinite Jan 2 to June 25

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2888 Tamiami Canal outlets, Monroe to Carnestown, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	204	30	20	0	10	0	0	0	0	217	340	1,810
2	197	30	20	5.0	10	0	0	0	0	174	292	1,570
3	163	30	20	5.0	10	0	0	0	0	160	240	1,240
4	134	30	20	5.0	10	0	0	0	0	143	201	910
5	134	30	20	5.0	10	5.0	0	0	0	128	177	673
6	80	30	20	5.0	10	5.0	0	0	0	114	157	602
7	56	30	10	10	10	5.0	0	0	0	104	140	564
8	40	30	10	10	10	5.0	0	0	0	95	150	460
9	40	30	10	10	10	5.0	0	0	0	131	222	378
10	40	30	10	10	10	5.0	0	0	0	201	468	502
11	40	25	10	10	10	5.0	0	0	0	264	630	789
12	40	25	10	10	5.0	5.0	0	0	5.0	385	925	854
13	40	20	10	10	5.0	5.0	0	0	10	400	1,280	789
14	45	20	10	10	5.0	5.0	0	0	20	333	1,300	660
15	74	20	10	10	5.0	5.0	0	0	107	366	1,050	545
16	80	20	10	10	5.0	5.0	0	0	326	430	739	528
17	74	20	10	10	5.0	5.0	0	0	477	430	536	706
18	68	20	10	10	5.0	5.0	0	0	673	706	377	815
19	62	20	5.0	10	5.0	5.0	0	0	1,170	955	270	776
20	54	20	5.0	10	5.0	0	0	0	880	802	209	1,130
21	45	20	5.0	10	5.0	0	0	0	662	673	177	2,760
22	45	20	5.0	10	5.0	0	0	0	985	673	163	3,560
23	45	20	5.0	10	5.0	0	0	0	940	612	150	3,820
24	45	20	0	10	0	0	0	0	880	511	150	4,220
25	40	20	0	10	0	5.0	0	0	802	430	160	4,720
26	40	20	0	10	0	10	0	0	612	352	167	3,990
27	40	20	0	10	0	10	0	0	520	286	163	3,560
28	40	20	0	10	0	5.0	0	0	340	292	333	3,050
29	40	20	0	10	0	0	0	0	314	366	684	2,090
30	40	20	0	10	0	0	0	0	298	385	1,260	2,260
31	40	20	0	10	0	0	0	0	385	385	1,660	-----
TOTAL	2,130	710	765.0	275.0	165.0	95.0	0	0	10,021.0	11,503	14,765	50,411
MEAN	68.7	23.7	24.5	8.87	5.89	3.06	0	0	334	371	476	1,680
MAX	209	30	20	10	10	10	0	0	1,170	955	1,660	4,220
MIN	40	20	0	0	0	0	0	0	0	95	140	378
AC-FT	4,220	1,410	526	545	327	188	0	0	19,880	22,820	29,290	99,990
CAL YR 1961	TOTAL 50,636.00	MEAN 139	MAX 2,390	MIN 0	AC-FT 100,400							
WAT YR 1962	TOTAL 40,340.00	MEAN 248	MAX 4,220	MIN 0	AC-FT 179,200							

Note --Stage-discharge relation indefinite Oct 21 to June 14

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,000	352	76	45	40	352	15	2.0	351	391	44	24
2	2,030	360	76	40	40	292	15	2.0	294	421	44	32
3	1,920	378	74	40	40	240	15	2.0	486	543	42	49
4	1,760	445	72	40	45	189	15	2.0	434	440	40	61
5	1,610	445	72	40	45	146	15	2.0	340	330	37	55
6	1,500	400	112	40	45	114	10	2.0	245	249	36	60
7	1,460	366	107	45	40	92	10	2.0	188	188	35	76
8	1,370	309	104	45	40	107	10	2.0	168	143	34	102
9	1,310	528	104	45	40	174	10	2.0	192	107	41	109
10	1,390	640	92	45	35	201	10	2.0	198	87	49	124
11	1,440	651	86	45	35	266	5.0	2.0	152	78	54	130
12	1,410	612	80	45	123	264	5.0	2.0	124	76	50	127
13	1,300	564	72	45	494	240	5.0	2.0	111	181	46	132
14	1,700	494	64	45	538	222	5.0	2.0	98	165	44	138
15	1,100	400	60	45	695	193	5.0	2.0	98	149	49	149
16	955	333	56	40	925	170	4.0	5.0	168	149	42	155
17	867	286	56	40	1,280	157	4.0	5.0	184	184	44	184
18	776	250	53	40	1,330	137	4.0	5.0	171	149	43	262
19	695	231	53	40	1,330	117	4.0	5.0	146	114	40	535
20	612	209	53	40	1,300	100	4.0	5.0	119	102	38	906
21	536	197	56	40	1,260	84	3.0	10	132	93	42	1,240
22	486	181	57	40	1,170	70	3.0	15	233	84	40	1,390
23	502	163	59	40	955	53	3.0	29	320	72	35	1,850
24	486	146	56	40	789	45	3.0	40	221	66	31	2,460
25	438	131	57	40	644	40	3.0	57	165	61	30	3,090
26	392	123	57	40	564	35	2.0	119	162	54	28	3,660
27	346	107	56	45	520	30	2.0	440	184	49	30	3,500
28	303	95	56	45	422	20	2.0	509	237	45	27	3,090
29	259	90	53	45	-----	20	2.0	472	276	42	23	2,660
30	231	84	50	45	-----	20	2.0	493	330	40	23	2,100
31	292	-----	45	45	-----	20	-----	440	-----	42	20	-----
TOTAL	30,966	9,330	2,126	1,315	14,822	4,240	195.0	2,759.0	6,527	4,894	1,177	28,630
MEAN	999	318	68.6	42.4	529	136	6.50	89.0	218	158	38.0	954
MAX	2,030	651	112	45	1,340	352	15	504	486	543	54	3,660
MIN	231	84	45	40	95	20	2.0	2.0	98	40	20	24
AC-FT	61,420	18,900	4,220	2,610	29,400	8,390	387	5,470	12,950	9,710	2,330	56,790
CAL YR 1962	TOTAL 125,857.00	MEAN 356	MAX 4,220	MIN 0	AC-FT 257,600							
WAT YR 1963	TOTAL 107,171.00	MEAN 294	MAX 3,660	MIN 2.0	AC-FT 212,600							

Note --Stage-discharge relation indefinite Dec 31 to Feb 11, Mar 24 to May 22

2-2888 Tamiami Canal outlets, Monroe to Carnestown, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,940	68	84	168	91	41	16	16	5.0	638	452	612
2	1,660	61	80	174	87	41	14	16	6.0	833	574	620
3	1,510	55	78	181	82	40	13	17	11	725	629	706
4	1,560	52	74	184	89	40	12	15	31	581	638	725
5	1,520	50	69	181	104	36	11	1.0	53	535	566	725
6	1,450	49	66	178	114	32	10	1.0	109	465	486	763
7	1,310	48	63	168	109	30	9.0	1.0	107	385	402	918
8	1,160	45	60	168	107	29	8.0	1.0	102	304	356	1,070
9	1,010	43	57	158	98	27	7.0	2.0	132	272	379	1,110
10	874	66	52	149	91	27	6.0	2.0	184	241	535	1,050
11	744	124	50	146	87	25	5.0	3.0	459	198	782	976
12	646	168	49	184	82	21	4.0	3.0	929	162	654	885
13	558	165	49	209	78	20	3.0	4.0	1,060	138	597	843
14	486	155	46	304	74	18	3.0	18	964	116	574	791
15	421	149	45	290	68	17	33	19	801	102	597	753
16	385	143	44	285	64	16	30	20	725	111	680	716
17	335	135	43	276	58	19	20	20	763	155	716	697
18	294	130	85	262	57	37	14	15	638	158	663	706
19	258	124	80	241	55	29	10	8.0	493	143	612	654
20	221	116	74	229	50	27	7.0	7.0	368	121	716	597
21	195	111	69	209	44	40	5.0	4.0	299	109	646	550
22	174	107	64	195	54	45	1.0	4.0	335	127	638	507
23	152	100	61	181	58	37	1.0	2.0	402	181	763	472
24	138	107	60	168	53	32	1.0	2.0	402	304	874	493
25	127	100	55	155	49	26	1.0	2.0	408	351	895	472
26	114	93	53	140	45	24	1.0	2.0	459	356	864	452
27	107	91	50	130	42	24	1.0	4.0	391	320	812	440
28	100	89	49	124	43	42	4.0	11	362	299	791	465
29	91	98	46	109	41	40	15	10	356	309	763	459
30	82	91	49	100	-----	34	16	8.0	385	290	706	479
31	74	-----	138	95	-----	24	-----	7.0	-----	309	654	-----
TOTAL	19,676	2,433	1,952	5,831	2,074	951	280.0	245.0	11,739.0	9,338	20,014	20,706
MEAN	635	97.8	63.0	188	71.5	30.7	9.33	7.90	391	301	646	690
MAX	1,940	168	138	304	114	45	33	20	1,060	833	895	1,110
MIN	74	43	44	45	41	13	1.0	1.0	5.0	102	356	440
AC-FT	39,040	5,820	3,870	11,570	4,110	1,690	555	466	23,280	18,520	39,700	41,070
CAL YR 1964	TOTAL 89,110.0			MEAN 244		MAX 3,660	MIN 2.0		AC-FT 176,700			
WAT YR 1964	TOTAL 95,139.0			MEAN 262		MAX 1,940	MIN 1.0		AC-FT 189,900			

Note --Stage-discharge relation indefinite Apr 17 to May 15

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	521	543	143	107	49	104	32	19	6.0	33	725	941
2	550	521	138	111	44	93	30	14	6.0	41	646	918
3	569	500	146	107	43	87	25	12	6.0	29	581	1,020
4	550	479	149	104	41	107	24	12	6.0	33	543	918
5	521	459	165	102	40	107	24	12	6.0	52	528	791
6	493	440	178	102	45	95	24	12	6.0	60	514	680
7	459	427	195	93	71	85	25	12	6.0	64	486	597
8	421	408	196	89	74	74	24	10	6.0	72	486	763
9	391	385	202	84	76	68	24	10	8.0	95	521	1,110
10	362	356	198	80	66	58	24	10	12	162	528	1,230
11	368	335	198	76	46	53	24	17	32	309	543	1,280
12	535	309	195	71	44	46	25	42	29	254	558	1,280
13	589	290	192	68	43	46	27	30	24	217	558	1,260
14	672	290	184	61	42	48	24	23	19	237	543	1,200
15	1,010	276	184	54	40	48	20	14	18	362	555	1,150
16	1,110	237	178	56	42	46	24	12	15	374	514	1,140
17	1,110	204	165	54	44	48	18	9.0	12	351	493	1,230
18	1,050	192	162	52	44	46	18	8.0	12	345	486	1,270
19	967	174	152	45	46	45	17	7.0	12	391	500	1,230
20	923	167	146	43	46	44	17	7.0	12	396	486	1,150
21	843	146	140	42	53	38	17	7.0	8.0	452	493	1,060
22	772	135	143	41	61	34	14	7.0	8.0	629	500	964
23	725	171	140	42	95	34	19	6.0	10	735	507	864
24	663	155	140	43	165	34	71	6.0	15	864	465	812
25	612	158	135	38	174	32	89	6.0	48	1,040	465	763
26	553	158	135	38	149	30	100	5.0	53	1,300	581	895
27	514	162	127	40	130	30	76	6.0	55	1,330	885	1,120
28	521	155	127	40	116	32	60	6.0	46	1,120	976	1,160
29	597	149	130	33	-----	36	38	6.0	41	964	1,190	976
30	597	143	121	32	-----	36	26	6.0	36	941	976	1,220
31	574	-----	121	50	-----	35	-----	6.0	-----	843	941	-----
TOTAL	20,193	8,524	4,927	1,996	1,933	1,717	986	354.0	573.0	14,095	18,539	31,046
MEAN	651	284	159	64.4	69.0	55.4	32.9	11.4	19.1	455	598	1,040
MAX	1,110	543	402	111	174	107	100	42	55	1,330	976	1,280
MIN	362	135	121	32	40	40	17	5.0	6.0	29	465	597
AC-FT	40,050	10,310	9,770	3,960	3,830	3,410	1,960	702	1,140	27,960	36,770	61,900
CAL YR 1964	TOTAL 104,822.0			MEAN 286		MAX 1,110	MIN 1.0		AC-FT 207,900			
WAT YR 1965	TOTAL 105,043.0			MEAN 288		MAX 1,330	MIN 5.0		AC-FT 208,300			

Note --No gage-height record Nov 22 to Feb 10 Stage-discharge relation indefinite May 15 to June 10

2-2889 Tamiami Canal outlets, 40-mile bend to Monroe, Fla

Location --Lat 25°51'05", long 80°58'50", in SW $\frac{1}{4}$  sec 13, T 53 S, R 33 E, Collier County, on south bank, 25 ft east of bridge 105 on U S Highway 41 and 54 miles west of Miami, Dade County

Records available --October 1963 to September 1965 January 1941 to September 1963 (gage heights only), available in files of district office

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

Extremes --1963-64 Maximum discharge during water year, 2,860 cfs Oct 3 (gage height, 8 80 ft), from rating curve extended above 600 cfs, minimum daily, 2 cfs May 11-27, minimum gage height, 4 78 ft about May 13 (estimated)  
 1964-65 Maximum discharge during water year, 980 cfs Sept 10 (gage height, 8 50 ft), from rating curve extended above 600 cfs, no flow Apr 16, May 25-28, minimum gage height, 3 55 ft May 30  
 1941-65 Maximum observed gage height, 10 01 ft Oct 20, 1947 (present datum), minimum recorded, 3 52 ft May 21, 1963

Remarks --Records good except those above 600 cfs and those for periods of indefinite stage-discharge relation, which are poor Figures of daily discharge consist of runoff from Big Cypress Swamp and the Everglades as represented by flow through all outlets of Tamiami Canal from Monroe, 55 miles west of Miami to 40-mile bend Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890 )

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,780	68	30	315	68	15	21	5.0	10	83	217	319
2	1,940	64	27	317	66	15	20	5.0	12	74	217	293
3	2,790	58	26	306	62	15	19	5.0	15	65	208	332
4	2,580	52	24	280	64	15	18	4.0	25	100	226	345
5	2,220	70	21	271	76	15	17	4.0	31	165	195	381
6	1,930	82	19	244	79	15	16	4.0	106	190	223	454
7	1,650	79	17	240	79	15	15	4.0	205	213	227	407
8	1,470	76	15	227	79	15	14	4.0	277	262	209	368
9	1,300	73	13	209	73	15	12	4.0	330	271	200	316
10	1,110	72	11	194	68	15	11	4.0	330	280	250	263
11	930	64	9.0	176	62	15	10	2.0	330	280	368	227
12	840	118	8.0	203	60	15	9.0	2.0	305	271	381	209
13	725	126	6.0	264	54	15	8.0	2.0	270	253	381	209
14	610	122	6.0	264	52	15	7.0	2.0	244	235	407	209
15	542	114	5.0	246	49	14	7.0	2.0	199	208	454	209
16	474	106	5.0	228	48	14	12	2.0	178	190	477	218
17	417	102	11	219	41	14	11	2.0	166	199	556	227
18	365	87	23	198	33	14	10	2.0	154	199	613	272
19	313	81	21	180	33	13	9.0	2.0	136	178	729	290
20	273	75	19	169	30	12	9.0	2.0	126	160	1,080	281
21	246	66	17	152	26	13	8.0	2.0	114	142	1,040	272
22	210	58	17	136	26	12	7.0	2.0	110	154	948	263
23	186	54	16	128	26	11	6.0	2.0	114	154	820	254
24	152	52	16	120	22	11	5.0	2.0	109	142	705	236
25	136	50	14	116	20	11	8.0	2.0	105	130	613	218
26	124	44	12	108	18	10	7.0	2.0	101	122	522	194
27	112	40	12	97	16	10	7.0	2.0	89	118	483	188
28	100	39	10	91	16	29	6.0	5.0	89	129	397	176
29	91	40	9.0	85	15	27	5.0	5.0	105	184	371	170
30	82	35	11	76	-----	26	5.0	6.0	93	178	397	164
31	73	-----	199	70	-----	25	-----	7.0	-----	178	345	-----
TOTAL	25,777	2,187	649.0	5,929	1,361	476	318.0	100.0	4,478	5,507	14,259	7,964
MEAN	832	72.9	20.9	191	46.9	15.4	10.6	3.23	149	178	460	265
MAX	2,790	126	199	317	79	29	21	7.0	330	280	1,080	454
MIN	73	35	5.0	70	15	10	5.0	2.0	10	65	195	164
AC-FT	51,130	4,340	1,290	11,760	2,700	944	631	198	8,880	10,920	28,280	15,800

CAL YR 1963 TOTAL MEAN MAX MIN AC-FT  
 MAY YR 1964 TOTAL 69,005.0 MEAN 189 MAX 2,790 MIN 2.0 AC-FT 136,900

Note --Stage-discharge relation indefinite Nov 30 to Dec 30, Feb 15 to June 5

2-2889 Tamiami Canal outlets, 40-mile bend to Monroe, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	146	725	176	90	44	38	4.0	6.0	2.0	38	646	258
2	152	674	158	94	34	36	4.0	4.0	2.0	33	595	272
3	140	669	146	94	32	34	3.0	4.0	2.0	28	556	368
4	152	623	140	90	31	37	1.0	4.0	3.0	25	573	342
5	152	583	136	84	30	37	3.0	4.0	3.0	22	522	329
6	157	532	136	84	33	36	3.0	4.0	3.0	18	471	290
7	140	510	136	81	33	34	3.0	4.0	4.0	17	420	272
8	140	471	146	77	36	32	2.0	3.0	4.0	26	381	539
9	136	454	152	71	49	31	2.0	3.0	4.0	26	329	948
10	126	407	140	67	36	29	2.0	3.0	5.0	25	290	948
11	132	361	136	64	35	27	1.0	3.0	5.0	26	272	916
12	140	363	132	63	34	24	1.0	3.0	5.0	27	263	820
13	140	319	120	57	35	21	1.0	2.0	5.0	25	231	774
14	209	306	120	52	34	19	1.0	2.0	6.0	35	208	705
15	522	260	112	50	34	16	1.0	2.0	6.0	88	190	613
16	556	271	112	48	33	13	0	2.0	6.0	176	217	573
17	556	253	112	47	28	11	1.0	2.0	8.0	182	253	556
18	556	244	106	43	25	9.0	1.0	2.0	19	188	371	539
19	561	226	106	39	24	7.0	1.0	1.0	19	194	371	505
20	549	217	108	39	24	5.0	2.0	1.0	21	200	332	454
21	532	208	104	37	26	5.0	2.0	1.0	15	272	306	420
22	498	199	104	34	30	5.0	2.0	1.0	22	437	262	381
23	481	190	100	44	35	5.0	3.0	1.0	52	544	235	355
24	447	190	100	44	46	4.0	3.0	1.0	44	566	208	329
25	422	190	97	36	60	3.0	3.0	0	36	600	208	342
26	401	190	94	35	60	3.0	4.0	0	35	669	208	420
27	401	189	92	37	52	3.0	10	0	45	669	306	522
28	427	188	98	37	44	1.0	17	0	62	646	345	505
29	656	186	98	31	-----	4.0	14	1.0	74	669	371	522
30	725	182	94	28	-----	3.0	4.0	1.0	50	761	319	522
31	702	-----	90	49	-----	3.0	-----	1.0	-----	715	271	-----
TOTAL	11,057	16,742	1,705	1,748	1,061	542.0	106.0	66.0	567.0	7,947	10,530	15,339
MEAN	357	547	120	56.4	37.9	17.5	3.53	2.13	18.9	256	340	511
MAX	725	725	176	94	60	33	17	6.0	74	761	646	948
MIN	126	182	90	28	24	3.0	0	0	2.0	17	190	258
AC-FT	21,930	20,670	7,350	3,470	2,100	1,080	210	151	1,120	15,760	20,890	30,420

CAL YR 1964 TOTAL 62,576.0 MEAN 179 MAX 1,080 MIN 2.0 AC-FT 120,100  
 MAY YR 1965 TOTAL 63,090.00 MEAN 173 MAX 948 MIN 0 AC-FT 125,100

Note --Stage-discharge relation indefinite Mar 1 to June 22

## 2-2890 Tamiami Canal outlets, Miami to Monroe, Fla

Location (revised) --Lat 25°45'50", long 80°49'50", in SE 1/4 sec 16, T 54 S, R 35 E, at 40-mile bend on U.S. Highway 41, 38 miles west of Miami, Dade County

Records available --November 1939 to September 1963 (discontinued) Prior to October 1948, published as Tamiami Canal outlets west of Miami

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to July 28, 1942, staff gage at site 17 miles west of Miami and July 28, 1942 to Sept 30, 1945, at site 15 miles west of Miami at present datum Oct 1, 1945, to Aug 30, 1949, staff gage at site 1,800 ft downstream at datum 0 87 ft lower and Aug 31, 1949, to Dec 28, 1951, at site 1,800 ft downstream at present datum Dec 29, 1951, to June 12, 1961, water-stage recorder at site 1,800 ft downstream at present datum

Average discharge --23 years (1940-63), 786 cfs (569,000 acre-ft per year)

Extremes --1960-61 Maximum discharge during water year, 9,240 cfs Oct 17, maximum gage height, 9 58 ft Oct 17-19, no flow Apr 16 to May 9, May 19-26, minimum gage height, 6 04 ft May 25  
1961-62 Maximum discharge during water year, 2,400 cfs Sept 23, maximum gage height, 8 76 ft Sept 23, 24, no flow Dec 6 to June 12, minimum gage height, 4 49 ft May 3  
1962-63 Maximum discharge during water year, 1,890 cfs Oct, 6, 7 (gage height, 8 72 ft), occurred on recession following peak of Sept 23, 1962, maximum independent peak discharge, 1,650 cfs Sept 25 (gage height, 8 47 ft), no flow Apr 16 to May 22, minimum gage height, 5 24 ft May 21  
1939-63 Maximum daily discharge, 17,000 cfs Oct 12, 1947, from rating curve extended above 9,800 cfs, maximum gage height, 10 3 ft (estimated) present datum, Oct 12, 1947, maximum daily reverse flow, 2 0 cfs May 1-10, 1949, no flow for several days in some years, minimum gage height observed, 1 46 ft June 11, 1945

Remarks --Records good except those for periods of indefinite stage-discharge relation, which are poor Figures of daily discharge consist of runoff from the Everglades as represented by flow through all outlets of Tamiami Canal from Monroe, 55 miles west of Miami, to point 18 miles west of Miami, where a levee aids in diverting flow southward Since July 1952, flow affected by extensive levee and control works to the north for agricultural and flood control purposes Beginning October 1963, discharge for those outlets, formerly designated "Miami to Monroe", are published as three separate stations The sum of their discharges is comparable to that of the former station The new stations are as follows

- 2-2889 Tamiami Canal outlets, 40-mile bend to Monroe, Fla
- 2-2890 4 Tamiami Canal outlets, levee 67A to 40-mile bend, near Miami, Fla
- 2-2890 6 Tamiami Canal outlets, levee 30 to levee 67A, near Miami, Fla

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,120	6,830	4,560	1,890	1,270	522	40	0	10	131	240	760
2	6,740	7,280	4,420	1,890	1,270	499	40	0	10	131	229	670
3	6,470	7,100	4,360	1,830	1,270	452	40	0	10	139	207	593
4	6,200	7,010	4,230	1,830	1,270	428	40	0	10	148	229	522
5	6,120	6,830	4,100	1,710	1,230	405	35	0	9.0	148	256	476
6	6,040	6,650	4,040	1,710	1,190	388	30	0	9.0	186	218	388
7	6,040	6,380	3,900	1,650	1,140	356	25	0	8.0	206	196	356
8	6,200	6,200	3,760	1,650	1,190	339	20	0	8.0	206	196	290
9	6,200	6,120	3,710	1,710	1,140	322	15	0	9.0	225	185	256
10	6,560	6,040	3,640	1,690	1,100	290	10	1.0	9.0	283	174	229
11	6,830	5,380	3,520	1,630	1,060	240	5.0	2.0	9.0	299	229	196
12	7,010	5,800	3,450	2,020	1,020	229	4.0	2.0	10	299	405	185
13	7,370	5,720	3,380	2,100	961	207	2.0	2.0	10	299	388	163
14	7,640	5,720	3,300	2,100	940	273	1.0	2.0	10	299	356	141
15	8,400	5,560	3,150	2,020	910	256	1.0	2.0	10	283	356	124
16	8,800	5,400	3,080	1,950	880	229	0	1.0	10	267	405	117
17	9,120	5,400	3,000	1,890	820	218	0	1.0	10	267	476	104
18	9,120	5,340	2,850	1,830	790	196	0	1.0	10	299	700	110
19	8,900	5,340	2,760	1,830	790	174	0	8.0	0	347	677	152
20	8,700	5,200	2,700	1,710	760	152	0	6.0	0	436	640	141
21	8,500	5,140	2,550	1,650	730	141	0	0	5.0	416	616	130
22	8,300	5,140	2,480	1,530	700	130	0	0	10	456	616	117
23	8,000	5,060	2,400	1,470	670	117	0	0	20	416	616	104
24	7,750	5,010	2,320	1,470	640	104	0	0	30	395	616	90
25	7,460	5,010	2,180	1,470	640	90	0	0	40	432	616	80
26	7,260	4,940	2,100	1,410	593	70	0	0	50	546	670	80
27	7,100	4,980	2,020	1,350	570	60	0	1.0	80	476	700	70
28	6,830	4,380	1,950	1,350	546	50	0	3.0	103	372	850	60
29	6,650	4,820	1,950	1,410	546	40	0	6.0	148	339	910	50
30	6,560	4,680	1,950	1,410	546	40	0	10	131	306	910	70
31	6,290	4,680	1,950	1,350	546	35	0	10	131	273	850	70
TOTAL	225,280	171,360	93,800	52,910	26,110	7,052	308.0	44.0	802.0	9,324	14,725	6,824
MEAN	7,267	5,513	2,990	1,707	833	227	10.3	1.42	26.7	301	475	227
MAX	9,120	7,280	4,560	2,100	1,270	522	40	10	148	546	910	760
MIN	6,040	4,080	1,950	1,350	546	35	0	0	5.0	131	174	50
AC-FT	446,800	339,900	190,000	104,900	51,790	13,990	611	87	1,590	18,490	29,210	13,540

CAL YR 1960 TOTAL 848,202.00 MEAN 2,317 MAX 9,120 MIN 0 AC-FT 1,682,000  
 CAL YR 1961 TOTAL 610,559.00 MEAN 1,673 MAX 9,120 MIN 0 AC-FT 1,211,000

Note --Stage-discharge relation indefinite Mar 25 to June 27

## 2-2890 Tamiami Canal outlets, Miami to Monroe, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	70	14	3.0	0	0	0	0	0	0	518	256	356
2	70	15	3.0	0	0	0	0	0	0	477	256	388
3	70	12	2.0	0	0	0	0	0	0	498	240	388
4	70	11	2.0	0	0	0	0	0	0	416	229	372
5	70	10	1.0	0	0	0	0	0	0	379	218	322
6	70	9.0	0	0	0	0	0	0	0	331	207	306
7	70	8.0	0	0	0	0	0	0	0	299	196	290
8	70	7.0	0	0	0	0	0	0	0	235	240	322
9	65	6.0	0	0	0	0	0	0	0	235	290	405
10	65	5.0	0	0	0	0	0	0	0	267	322	546
11	65	4.0	0	0	0	0	0	0	0	315	356	593
12	65	3.0	0	0	0	0	0	0	0	379	405	670
13	65	2.0	0	0	0	0	0	0	1.0	436	546	640
14	65	2.0	0	0	0	0	0	0	2.0	416	640	570
15	65	2.0	0	0	0	0	0	0	3.0	436	593	572
16	65	2.0	0	0	0	0	0	0	267	416	570	670
17	65	2.0	0	0	0	0	0	0	850	395	546	880
18	65	2.0	0	0	0	0	0	0	910	363	522	880
19	60	2.0	0	0	0	0	0	0	1,000	436	499	950
20	60	2.0	0	0	0	0	0	0	850	456	476	1,060
21	60	3.0	0	0	0	0	0	0	800	456	428	1,530
22	55	3.0	0	0	0	0	0	0	1,030	436	405	1,710
23	50	3.0	0	0	0	0	0	0	1,120	379	388	1,890
24	45	3.0	0	0	0	0	0	0	1,030	331	356	2,250
25	45	3.0	0	0	0	0	0	0	940	267	356	2,100
26	35	3.0	0	0	0	0	0	0	850	225	356	1,950
27	30	3.0	0	0	0	0	0	0	775	222	356	1,710
28	25	3.0	0	0	0	0	0	0	725	290	356	1,650
29	20	3.0	0	0	0	0	0	0	625	229	356	1,710
30	15	3.0	0	0	0	0	0	0	559	218	356	1,590
31	14	0	0	0	0	0	0	0	0	229	372	0
TOTAL	1,719	148.0	11.0	0	0	0	0	0	12,337.0	10,985	11,692	29,120
MEAN	55.5	4.93	.35	0	0	0	0	0	411	354	377	971
MAX	70	14	3.0	0	0	0	0	0	1,120	518	640	2,250
MIN	14	0	0	0	0	0	0	0	0	218	196	290
AC-FT	3,410	294	22	0	0	0	0	0	24,470	21,790	23,190	57,760

CAL YR 1961 TOTAL 119,977.00 MEAN 329 MAX 2,100 MIN 0 AC-FT 238,000  
 WAT YR 1962 TOTAL 66,012.00 MEAN 181 MAX 2,250 MIN 0 AC-FT 130,900

Note --Stage-discharge relation indefinite Oct 1 to June 15

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,530	388	290	90	40	45	4.0	0	35	103	35	372
2	1,590	405	273	90	35	45	4.0	0	35	80	40	428
3	1,590	452	273	90	35	45	4.0	0	40	80	45	405
4	1,590	476	256	85	45	45	3.0	0	45	80	50	405
5	1,770	499	240	85	50	45	3.0	0	45	80	40	388
6	1,830	499	273	85	50	45	3.0	0	45	80	40	372
7	1,830	522	240	80	45	45	3.0	0	50	80	40	388
8	1,770	546	240	80	40	45	2.0	0	50	70	35	356
9	1,710	546	229	80	40	40	2.0	0	50	70	35	322
10	1,710	570	229	75	40	40	2.0	0	45	70	35	306
11	1,710	570	207	75	40	40	2.0	0	45	60	35	256
12	1,590	570	196	75	50	40	1.0	0	45	60	30	229
13	1,350	570	185	70	60	35	1.0	0	45	70	30	218
14	1,410	570	174	70	70	35	1.0	0	45	80	25	185
15	1,190	593	152	70	70	35	1.0	0	45	90	25	174
16	880	570	141	65	80	35	0	0	50	117	20	163
17	760	570	130	65	117	35	0	0	50	141	20	185
18	546	546	124	60	117	30	0	0	50	130	50	196
19	522	522	117	60	110	30	0	0	50	124	75	196
20	522	476	117	55	110	25	0	0	50	110	95	405
21	499	452	117	55	95	25	0	0	45	90	174	452
22	476	428	117	55	90	20	0	0	45	306	522	0
23	570	405	117	50	80	15	0	5.0	45	70	356	700
24	593	372	117	50	70	15	0	10	45	65	339	940
25	593	356	117	45	60	10	0	10	80	55	322	1,350
26	593	339	117	45	60	10	0	15	157	45	356	1,590
27	570	322	117	45	60	5.0	0	20	196	40	356	1,530
28	546	306	117	45	50	5.0	0	25	196	35	339	1,350
29	570	290	104	45	5.0	5.0	0	30	177	30	339	1,270
30	522	273	95	45	5.0	5.0	0	30	148	25	322	1,230
31	388	0	90	40	5.0	4.0	0	35	0	30	322	0
TOTAL	33,303	14,003	5,311	2,025	1,809	899.0	36.0	180.0	2,049	2,340	4,331	16,883
MEAN	1,075	467	171	65.3	64.6	29.0	1.20	5.81	75.5	75.5	140	563
MAX	1,830	593	290	90	117	45	4.0	35	196	141	356	1,590
MIN	388	273	90	40	35	4.0	0	0	35	25	20	163
AC-FT	66,090	27,770	10,530	4,020	3,590	1,780	71	357	4,060	4,640	8,590	33,490

CAL YR 1962 TOTAL 116,768.00 MEAN 320 MAX 2,250 MIN 0 AC-FT 231,600  
 WAT YR 1963 TOTAL 33,186.00 MEAN 228 MAX 1,830 MIN 0 AC-FT 165,000

Note --Stage-discharge relation indefinite Dec 30 to Feb 16, Feb 21 to June 25, July 21 to Aug 20



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2890 4 Tamiami Canal outlets, levee 67A to 40-mile bend, near Miami, Fla

Location --Lat 25°45'42", long 80°43'34", in N $\frac{1}{2}$  sec 22, T 54 S, R 36 E, on south bank of levee 29 borrow ditch, 100 ft northwest of control structure 12-C and 33 miles west of Miami, Dade County

Records available --April to September 1963 (gage heights only), October 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 0.06 ft above mean sea level, datum 1929

Extremes --1963-64 Maximum daily discharge during water year, 54 cfs July 10-12, maximum gage height, 8.95 ft Sept 17, no flow for many days, minimum gage height, 6.59 ft Apr 28

1964-65 Maximum daily discharge during water year, 294 cfs Jan 19, maximum gage height, 9.44 ft Dec 8, no flow for many days, minimum gage height, 6.92 ft June 8

Remarks --Records good Figures of daily discharge consist of runoff from conservation area 3A as represented by the sum of the flows through all the outlets between levee 67A and 40-mile bend Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890)

Cooperation --Gate-opening records furnished by Corps of Engineers

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	U	0	U	0	0	0	0	13	10	47	0	0
2	U	0	U	0	0	0	0	34	13	47	0	0
3	U	0	U	0	0	0	0	31	19	47	0	0
4	U	0	U	0	0	0	0	38	26	47	0	0
5	U	0	U	0	0	0	0	38	38	48	0	0
6	U	0	U	0	0	0	0	32	47	50	0	0
7	U	0	U	0	0	0	0	20	45	52	0	0
8	U	0	U	0	0	0	0	13	52	52	0	0
9	U	0	U	0	0	0	0	12	53	53	0	0
10	U	0	U	0	0	0	0	11	52	54	0	0
11	U	0	U	0	0	0	0	10	50	54	0	0
12	U	0	U	0	0	0	0	8.0	46	54	0	0
13	U	0	U	0	0	0	0	7.0	43	53	0	0
14	U	0	U	0	0	0	0	6.0	40	53	0	0
15	U	0	U	0	0	0	0	8.0	42	53	0	0
16	U	U	U	0	0	0	0	8.0	48	29	0	0
17	U	0	U	0	0	0	0	0	49	0	0	0
18	U	0	U	0	0	0	0	5.0	50	0	0	0
19	U	0	U	0	0	0	0	4.0	45	0	0	0
20	U	0	U	0	0	0	0	2.0	41	0	0	0
21	U	U	U	0	0	0	0	0	37	0	0	0
22	U	U	U	0	0	0	0	0	34	0	0	0
23	U	U	U	0	0	0	0	0	43	0	0	0
24	U	U	U	0	0	0	0	0	51	0	0	0
25	U	U	U	0	0	0	0	12	52	0	0	0
26	U	U	U	0	0	0	0	17	51	0	0	0
27	U	U	U	0	0	0	0	14	51	0	0	0
28	U	U	U	0	0	0	0	13	51	0	0	0
29	U	U	U	0	0	0	4.0	11	51	0	0	0
30	U	U	U	0	0	0	24	8.0	45	0	0	0
31	U	U	U	0	0	0	0	8.0	0	0	0	0
TOTAL	U	U	U	0	0	0	28.0	109.0	1,277	793	0	0
MEAN	U	U	U	0	0	0	0.9	3.5	42.6	25.6	0	0
MAX	U	U	U	0	0	0	24	38	53	54	0	0
MIN	U	U	U	0	0	0	0	0	10	0	0	0
AC-FT	U	U	U	0	0	0	56	811	2,530	1,570	0	0
CAL YR 1963	TOTAL	2,507.00	MEAN	6.85	MAX	54	MIN	0	AC-FT	4,970		
WAT YR 1964	TOTAL	2,507.00	MEAN	6.85	MAX	54	MIN	0	AC-FT	4,970		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	U	0	U	0	0	0	0	0	0	0	0	24
2	U	0	U	0	0	0	0	0	0	0	0	37
3	U	0	U	0	0	0	0	0	0	0	0	50
4	U	0	U	0	0	0	0	0	0	0	0	50
5	U	0	U	0	0	0	0	0	0	0	0	50
6	U	U	U	0	0	0	0	0	0	0	0	27
7	U	U	U	0	0	0	0	0	0	0	0	15
8	U	U	U	0	0	0	0	0	0	0	0	58
9	U	U	U	0	0	0	0	0	0	0	0	59
10	U	U	U	0	0	0	0	0	0	0	0	61
11	U	U	U	0	0	0	0	0	0	0	0	63
12	U	U	U	0	0	0	0	0	0	0	0	63
13	U	U	U	0	0	0	0	0	0	0	7.0	64
14	U	U	U	0	0	0	0	0	0	0	19	64
15	U	U	U	0	0	0	5.0	0	0	0	19	63
16	U	U	U	0	0	0	8.0	0	0	0	19	64
17	U	U	U	0	0	0	6.0	0	0	0	19	64
18	U	U	U	154	U	U	8.0	0	0	0	20	65
19	U	U	U	294	U	U	7.0	0	0	0	20	66
20	U	U	U	287	U	U	7.0	0	0	0	20	66
21	U	U	U	282	0	0	4.0	0	0	0	19	66
22	U	U	U	120	0	0	0	0	0	0	19	66
23	U	U	U	0	0	0	0	0	0	0	19	66
24	U	U	U	0	0	0	0	0	0	0	19	65
25	U	U	U	0	0	0	0	0	0	0	19	65
26	U	U	U	0	0	0	0	0	0	0	19	67
27	U	U	U	0	0	0	0	0	0	0	20	69
28	U	U	U	0	0	0	0	0	0	0	21	69
29	U	U	U	0	0	0	0	0	0	0	22	69
30	U	U	U	0	0	0	0	0	0	0	23	69
31	U	U	U	0	0	0	0	0	0	0	24	69
TOTAL	U	U	U	1,137	0	0	47.0	0	0	0	367.0	1,744
MEAN	U	U	U	36.7	0	0	1.57	0	0	0	11.8	58.1
MAX	U	U	U	294	0	0	8.0	0	0	0	24	69
MIN	U	U	U	0	0	0	0	0	0	0	0	15
AC-FT	U	U	U	2,260	0	0	93	0	0	0	728	3,460
CAL YR 1964	TOTAL	2,507.00	MEAN	6.85	MAX	54	MIN	0	AC-FT	4,970		
WAT YR 1965	TOTAL	3,292.00	MEAN	9.03	MAX	294	MIN	0	AC-FT	6,540		

2-2890 6 Tamiami Canal outlets, levee 30 to levee 67A, near Miami, Fla

Location --Lat 25°45'40", long 80°37'40", in SE $\frac{1}{4}$  sec 4, T 54 S, R 37 E, on south bank, 50 ft west of bridge 45 on U S Highway 41 and 25 miles west of Miami, Dade County

Records available --October 1963 to September 1965 October 1939 to September 1963 (gage heights only), available in files of district office

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

Extremes --1963-64 Maximum discharge during water year, 102 cfs Sept 5 (gage height, 6 93 ft), maximum daily reverse flow, 7 cfs (estimated) May 11, 12, minimum gage height, 4 85 ft May 13  
1964-65 Maximum discharge during water year, 224 cfs Dec 27, maximum gage height, 7 11 ft Sept 8, maximum daily reverse flow, 3 cfs (estimated) June 5, 6, July 9, 10, minimum gage height, 4 82 ft June 6  
1939-65 Maximum gage height observed, 9 76 ft Nov 1, 1960, minimum observed 1 96 ft May 30, 1945

Remarks --Records fair except those for periods of indefinite stage-discharge relation, which are poor. Figures of daily discharge consist of runoff from the Everglades as represented by flow through all the outlets of Tamiami Canal from levee 30 to levee 67A Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890 )

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
DAY	OCT	NOV	DEC	JAN	FEB	MAR.	APR	MAY	JUNE	JULY	AUG	SEPT
1	92	60	50	54	38	10	2	1	5	28	37	71
2	89	58	49	53	37	10	2	0	10	27	37	71
3	89	58	48	53	35	10	2	-1	20	27	38	69
4	89	58	46	54	34	9	2	-2	25	29	37	67
5	85	64	45	54	33	9	2	-3	33	29	36	74
6	83	64	45	54	33	9	2	-4	45	32	39	81
7	81	64	44	54	32	9	2	-4	61	33	40	76
8	81	63	43	56	31	9	2	-5	64	31	39	74
9	78	64	43	56	27	8	2	-6	67	31	39	71
10	78	64	42	56	26	8	2	-6	67	31	42	71
11	78	64	40	57	25	8	2	-7	71	28	42	71
12	76	66	40	60	24	7	2	-7	64	26	42	72
13	74	64	40	61	22	7	2	-6	61	25	42	72
14	72	63	38	61	21	6	2	-4	57	24	49	74
15	72	61	37	61	20	5	1	-4	56	23	61	74
16	78	61	37	58	19	5	1	-4	51	24	67	76
17	76	61	38	58	18	7	0	-4	48	27	78	81
18	74	61	39	57	17	7	-2	-3	45	28	72	92
19	72	60	38	57	15	6	-3	-3	42	27	69	92
20	71	60	37	57	13	5	-4	-3	39	26	72	89
21	69	58	37	56	12	5	-5	2	37	25	74	87
22	67	58	37	54	15	4	-5	2	36	26	72	85
23	67	57	37	54	15	4	-6	2	39	28	69	83
24	64	57	36	53	13	3	-6	1	40	29	69	81
25	64	57	35	51	12	3	-4	0	37	33	66	79
26	64	56	35	49	12	3	-4	-2	35	34	67	79
27	63	57	35	49	13	3	-4	-4	34	34	74	81
28	61	56	35	48	10	3	-5	-4	32	34	74	83
29	61	53	34	46	10	2	-3	-3	31	35	74	83
30	61	53	37	45	-----	2	-2	-1	29	36	74	83
31	61	-----	56	43	-----	2	-----	1	-----	36	72	-----
TOTAL	2,290	1,800	1,253	1,679	632	188	-23	-81	1,281	906	1,763	2,342
MEAN	73.9	60.0	40.4	54.2	21.8	6.1	-1	-2.6	42.7	29.2	56.9	78.1
MAX	92	66	56	61	38	10	2	2	71	36	78	92
MIN	61	53	34	43	10	2	-6	-7	5	23	36	67
AC-FT	4,540	3,570	2,490	3,330	1,250	373	-46	-161	2,540	1,800	3,500	4,650
CAL YR 1963:	MAX	-----	MIN	-----	MEAN	-----	AC-FT	-----	-----	-----	-----	-----
WAT YR 1964:	MAX	92	-----	MIN	-7	MEAN	38.3	AC-FT	27,840	-----	-----	-----

Note --Stage-discharge relation indefinite Feb 1 to June 5, June 20 to Aug 6 Negative figures indicate reverse flow to north

2-2890 6 Tamiami Canal outlets, levee 30 to levee 67A, near Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV.	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT
1	83	162	130	172	104	92	42	4	-1	1	0	2
2	87	158	133	169	100	89	40	4	-1	1	0	2
3	89	155	133	162	98	87	38	4	-2	0	0	2
4	89	155	135	158	98	96	37	4	-2	0	0	2
5	87	152	152	152	98	94	35	4	-3	-1	0	2
6	87	144	162	147	96	92	34	4	-3	-1	0	2
7	85	141	166	144	98	92	32	3	-2	-2	1	15
8	85	141	169	138	98	92	30	3	-1	-2	2	48
9	85	138	172	138	96	89	29	3	-1	-3	2	43
10	83	138	180	135	96	85	27	3	-1	-3	2	40
11	89	135	180	130	92	85	26	3	-1	-2	2	39
12	96	133	183	127	92	85	24	2	-1	-2	2	37
13	102	130	180	124	92	81	22	2	-1	-2	2	36
14	120	133	183	120	87	79	21	2	-1	-2	2	35
15	130	133	183	117	85	78	19	2	-1	-2	2	37
16	124	130	186	112	92	78	19	2	-1	-1	2	38
17	120	127	183	110	87	74	17	2	-1	-1	2	42
18	117	127	180	110	83	71	16	2	0	-1	2	40
19	117	127	180	110	85	69	15	1	1	0	2	43
20	117	124	176	107	83	66	14	1	2	1	2	43
21	117	124	176	107	85	63	13	1	1	1	2	42
22	117	122	172	110	85	61	12	1	1	1	2	43
23	120	124	172	110	92	60	11	0	1	1	2	42
24	120	127	172	112	96	58	10	0	1	1	2	42
25	120	133	169	110	94	56	9	0	1	1	2	42
26	120	133	169	110	98	54	8	0	1	0	2	51
27	120	130	176	112	94	50	7	0	1	0	2	56
28	135	133	186	107	92	48	6	0	1	0	2	56
29	166	133	186	104	-----	46	5	0	1	0	2	58
30	162	127	186	102	-----	44	5	0	1	0	2	58
31	158	-----	180	107	-----	43	-----	-----	-----	0	2	-----
TOTAL	3,447	4,069	5,290	3,873	2,596	2,257	623	57	-11	-17	49	1,038
MEAN	111	136	171	125	92.7	72.8	20.8	1.8	-4	-5	1.6	34.6
MAX	166	162	186	172	104	96	42	4	2	1	2	58
MIN	83	122	130	102	83	43	5	0	-3	-3	0	2
AC-FT	6,840	8,070	10,490	7,680	5,150	4,480	1,240	113	-22	-34	97	2,060

CAL YR 1964: MAX 186 MIN -7 MEAN 58.7 AC-FT 42,640  
WAT YR 1965: MAX 186 MIN -3 MEAN 63.8 AC-FT 46,150

Note --Stage-discharge relation indefinite Mar 31 to Sept 7 Negative figures indicate reverse flow to the north

## 2-2895 Tamiami Canal near Coral Gables, Fla

Location --Lat 25°45'43", long 80°19'42", in SW 1/4 sec 3, T 54 S, R 40 E, on upstream side of Toots Bridge, 25 ft from south bank, half a mile upstream from Coral Gables Canal, 2 5 miles west of Coral Gables, Dade County, 3 5 miles downstream from Snapper Creek Canal, and 6 2 miles upstream from mouth

Records available --January 1940 to June 1943, October 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 January 1940 to June 1943, staff gage at same site at datum 0 22 ft lower

Average discharge --6 years, 150 cfs (108,600 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 13, 1961	a 486	4 26	Sept 24,26-29, 1961	33	b 1 93
1962	June 22, 1962	325	c 3 69	Many days	0	d 1 08
1963	Sept 25, 1963	e 340	f 3 74	Aug 10, 1963	4	g 1 77
1964	June 10,11, 1964	351	h 3 63	May 15, 1964	-14	i 1 28
1965	Oct 29, 1964	335	j 4 72	June 4, 5, 1965	-16	k 1 81

a Maximum daily discharge for flood event whose crest occurred during year, maximum daily discharge, 491 cfs Oct 2, 1960, occurred on recession following crest of Sept 23, 1960 b Occurred Mar 11, 1961  
c Occurred June 21, 1962 d Occurred May 31, 1962 e Estimated f Occurred Sept 20, 1963  
g Occurred May 1, 1965 h Occurred June 6, 1964 i Occurred Aug 20, 1964 j Occurred Sept 8, 1965  
k Occurred June 7, 1965

Note --Negative figures indicate reverse flow to the west

1940-43, 1959-65 Maximum daily discharge, 554 cfs Sept 23, 1960, maximum gage height, 6 00 ft Sept 10, 1960, maximum daily reverse flow, 16 cfs June 4, 5, 1965, minimum gage height, 1 08 ft May 31, 1962

Maximum stage known, 8 49 ft Oct 12, 1947, present datum, from staff gage reading

Remarks --Records good prior to Oct 1, 1962, and fair thereafter except those for periods of doubtful or no deflection record, which are poor The flow is slightly affected by tide and is regulated at Dade-Broward levee 7 5 miles upstream and at salinity barrier 1 2 miles downstream The canal is blocked by levee 30, 10 5 miles upstream Flow is diverted to and from Snapper Creek Canal 3 5 miles upstream

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	483	433	326	362	371	293	173	64	300	267	78	128
2	491	440	325	371	371	292	175	78	282	239	69	138
3	458	431	327	378	363	290	157	60	309	219	69	134
4	422	419	332	382	378	287	152	74	309	215	69	124
5	416	411	333	364	372	284	146	74	297	205	64	105
6	407	397	332	347	348	284	141	74	278	182	64	91
7	425	387	332	339	340	265	137	69	268	160	68	86
8	425	374	330	331	349	284	123	69	252	154	64	72
9	411	365	332	333	343	281	123	69	254	127	54	67
10	413	359	324	345	342	287	151	76	282	110	55	66
11	417	353	328	344	340	279	165	76	273	125	59	53
12	405	354	344	432	335	277	160	75	274	125	64	36
13	398	350	345	486	325	270	155	70	254	124	87	41
14	393	362	353	459	320	278	154	70	216	124	105	46
15	396	360	349	445	322	278	149	65	213	123	105	42
16	385	360	357	425	318	275	132	60	195	119	110	61
17	373	360	363	403	312	257	118	60	191	114	101	111
18	360	359	359	392	314	251	172	55	182	109	104	97
19	367	354	350	389	314	247	113	50	157	109	113	83
20	366	352	347	385	312	246	91	45	151	109	98	68
21	370	354	356	378	310	234	77	45	141	109	118	58
22	366	353	359	376	308	236	77	44	118	91	156	38
23	354	349	359	367	307	231	77	49	78	73	154	38
24	363	341	355	376	309	233	77	44	78	73	183	33
25	358	337	357	374	302	232	77	45	64	87	160	38
26	364	334	355	372	303	223	72	46	73	96	144	33
27	380	332	360	370	297	222	77	198	102	110	129	33
28	382	330	360	370	297	199	77	328	289	123	94	33
29	383	329	359	362	-----	176	69	303	329	123	71	33
30	386	328	362	363	-----	186	64	310	298	100	84	37
31	394	-----	357	372	-----	182	-----	303	-----	91	106	-----
TOTAL	12,330	10,983	10,735	11,792	9,222	7,876	3,586	3,083	6,507	4,135	3,009	2,023
MEAN	398	366	346	380	329	254	120	99 5	217	133	97 1	67 4
MAX	491	445	363	486	378	292	175	328	329	267	183	138
MIN	358	328	324	331	297	176	64	44	64	73	55	33
AC-FT	24,460	21,760	21,290	23,390	18,290	15,620	7,110	6,120	12,910	8,200	5,970	4,010
CAL YR 1960	TOTAL 10,924			MEAN 292	MAX 554	MIN 136	AC-FT 212,100					
WAT YR 1961	TOTAL 85,261			MEAN 234	MAX 491	MIN 33	AC-FT 169,200					

## 2-2895 Tamiami Canal near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	33	78	41	60	61	29	16	30	11	280	140	81
2	37	58	37	61	57	74	4.0	30	7.0	263	150	92
3	42	43	37	53	52	20	8.0	30	4.0	231	151	104
4	42	38	37	53	52	20	12	30	4.0	219	162	102
5	33	38	36	48	52	17	12	26	4.0	207	160	97
6	28	38	36	44	52	17	16	19	4.0	196	145	122
7	35	38	36	44	43	21	20	15	4.0	193	154	209
8	37	39	36	44	43	21	16	15	4.0	191	154	242
9	44	39	50	40	39	21	16	15	4.0	186	193	251
10	122	38	68	35	34	17	16	15	0	234	229	257
11	98	38	68	35	34	21	16	15	0	304	228	257
12	157	33	67	101	34	21	16	15	0	289	238	249
13	156	33	67	106	34	21	16	15	0	264	222	232
14	131	33	67	111	34	21	16	11	0	265	217	232
15	91	33	67	133	34	21	16	11	0	271	218	219
16	72	38	67	133	34	21	16	15	18	259	227	203
17	71	38	67	115	34	17	16	15	132	262	238	200
18	48	38	67	97	34	16	16	15	205	258	232	198
19	28	37	66	93	34	16	16	11	296	262	222	203
20	28	37	66	73	33	16	20	11	246	267	215	216
21	24	37	66	40	33	16	16	11	253	265	196	255
22	23	28	66	54	33	24	15	15	325	252	178	253
23	28	33	66	90	33	20	15	15	321	258	168	259
24	33	37	66	106	33	4.0	15	15	308	245	157	309
25	28	42	66	117	33	0	15	11	283	243	149	292
26	28	42	66	103	33	3.0	15	11	268	241	135	267
27	36	37	66	107	33	4.0	15	11	235	221	127	248
28	114	42	66	107	28	0	15	15	254	191	124	244
29	120	41	66	111	-----	4.0	15	14	255	186	109	248
30	99	46	-----	123	12	23	11	11	262	177	109	240
31	84	-----	65	92	-----	16	-----	11	-----	162	86	-----
TOTAL	1,928	1,190	1,808	2,540	1,083	509.0	459.0	499	3,707.0	7,342	5,433	6,385
MEAN	62.2	39.7	58.3	81.9	38.7	16.4	15.3	16.1	124	237	175	213
MAX	156	78	68	133	61	24	27	30	325	304	238	309
MIN	23	28	36	35	28	0	4.0	11	0	162	86	81
AC-FT	3,820	2,360	3,590	5,040	2,150	1,010	910	990	7,350	14,560	10,780	12,660

CAL YR 1961 TOTAL 50,139 MEAN 154 MAX 485 MIN 23 AC-FT 111,400  
 WAT YR 1962 TOTAL 32,883.00 MEAN 90.1 MAX 325 MIN 0 AC-FT 65,220

Note --Deflection record doubtful Dec 1 to Jan 2, Jan 6 to Feb 1

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	247	61	52	71	179	209	51	36	58	195	9.0	118
2	249	52	53	57	146	209	56	33	49	149	9.0	123
3	244	62	57	47	49	209	60	36	40	135	9.0	123
4	218	57	62	47	109	208	55	37	31	125	17	123
5	196	57	62	47	119	198	55	33	75	130	17	127
6	167	52	67	43	95	193	46	32	276	138	21	118
7	168	42	72	38	90	193	41	32	280	129	17	82
8	149	37	67	43	85	192	37	32	275	109	17	74
9	135	101	77	38	99	178	36	32	274	95	17	75
10	122	162	67	43	122	173	41	32	263	80	4.0	101
11	122	129	62	48	141	163	36	32	258	66	8.0	76
12	120	124	48	62	201	154	36	27	243	56	13	55
13	119	119	43	67	271	150	36	27	196	46	17	37
14	114	114	43	72	255	149	36	27	179	41	17	46
15	119	113	38	72	220	136	35	22	185	41	12	46
16	101	104	38	72	196	113	35	17	156	36	12	91
17	00	71	43	72	214	103	35	26	138	32	8.0	123
18	72	62	36	67	218	108	35	35	87	27	8.0	155
19	64	57	36	62	212	98	39	34	48	27	8.0	114
20	59	57	38	72	210	89	39	34	38	23	9.0	272
21	00	62	57	81	237	79	39	34	43	18	9.0	338
22	55	62	66	81	218	74	38	56	52	18	18	330
23	46	67	57	95	235	74	38	111	57	18	32	330
24	42	66	52	113	229	73	38	138	57	18	90	413
25	42	62	57	162	219	69	38	135	61	18	252	340
26	38	62	71	190	220	68	38	126	143	18	251	336
27	38	57	76	213	215	68	33	143	232	18	257	337
28	30	52	90	213	215	68	33	143	260	56	233	323
29	38	57	95	203	-----	64	33	126	259	54	192	307
30	38	57	90	199	-----	56	32	79	243	27	146	308
31	38	-----	80	194	-----	46	-----	67	-----	22	127	-----
TOTAL	3,360	2,257	1,850	2,904	5,059	3,964	1,200	1,774	4,556	1,965	1,856.0	5,341
MEAN	109	76.6	59.4	93.7	181	128	40.0	57.1	152	60.4	59.9	178
MAX	249	162	95	213	271	209	60	143	280	195	257	340
MIN	38	57	36	38	85	46	32	17	31	18	4.0	37
AC-FT	6,680	4,440	3,680	5,760	10,030	7,860	2,380	3,520	9,040	3,900	3,680	10,590

CAL YR 1962 TOTAL 35,416.00 MEAN 97.0 MAX 325 MIN 0 AC-FT 70,250  
 WAT YR 1963 TOTAL 30,078.0 MEAN 96.8 MAX 340 MIN 4.0 AC-FT 71,560

## 2-2895 Tamiami Canal near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	308	131	47	251	76	71	53	27	18	14	170	66
2	305	86	47	161	71	90	53	27	27	14	173	65
3	299	62	47	73	71	80	53	27	42	14	182	60
4	293	73	47	68	71	71	53	27	57	13	170	55
5	263	61	47	68	72	70	53	32	67	13	161	47
6	231	58	43	63	77	66	52	22	169	13	162	39
7	229	58	57	68	87	65	52	22	337	43	163	34
8	242	58	57	86	77	60	52	27	347	162	142	30
9	244	48	54	95	87	55	56	31	333	250	130	21
10	259	43	52	103	105	55	60	35	351	274	117	17
11	263	46	52	98	114	60	47	26	351	215	113	29
12	262	53	52	93	81	60	56	35	320	196	116	33
13	255	58	57	119	76	60	51	40	311	193	115	37
14	244	58	57	137	76	59	51	11	301	181	128	37
15	230	58	57	156	76	59	55	-14	292	156	130	41
16	286	53	57	151	76	59	56	0	277	155	111	42
17	314	57	48	141	76	59	61	9.0	178	142	104	42
18	293	68	76	136	76	59	78	18	117	132	94	69
19	271	46	63	136	72	59	87	18	27	131	94	91
20	254	52	58	140	76	54	99	18	14	121	98	87
21	230	57	58	140	71	55	90	19	14	116	94	86
22	225	48	57	121	77	55	94	19	14	116	72	63
23	230	57	48	126	82	50	93	19	14	117	63	54
24	248	57	48	140	82	50	89	23	14	120	55	53
25	239	57	52	128	77	50	59	23	18	123	58	58
26	238	52	52	119	82	50	50	23	18	153	54	53
27	222	52	109	77	50	50	50	23	18	165	119	48
28	211	47	48	99	72	50	50	23	18	163	103	35
29	196	47	48	98	67	54	47	23	14	161	74	26
30	178	47	58	117	-----	54	35	18	14	168	68	26
31	165	-----	192	89	-----	54	-----	18	-----	166	67	-----
TOTAL	7,757	1,752	1,786	3,629	2,280	1,843	1,835	659.0	4,092	3,950	3,500	1,444
MEAN	252	56.4	57.7	117	78.6	59.5	61.2	21.3	136	127	113	48.1
MAX	314	131	192	251	114	90	99	35	351	250	182	91
MIN	165	43	43	63	67	50	35	-14	14	13	54	17
AC-FT	15,470	3,480	3,550	7,200	4,520	3,660	3,640	1,310	6,120	7,830	6,940	2,860
CAL YR 1963	TOTAL 34,950.0			MEAN 109	MAX 340	MIN -4.0	AC-FT 79,250					
WAT YR 1964	TOTAL 34,569			MEAN 94.5	MAX 351	MIN -14	AC-FT 68,570					

Note --Negative figures indicate reverse flow to the west

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	26	275	19	133	162	209	120	104	0	54	83	13
2	22	262	19	138	157	221	120	89	-4.0	50	106	13
3	17	250	19	143	121	221	110	75	-12	31	101	13
4	9.0	220	19	108	106	279	95	61	-16	18	62	13
5	4.0	209	120	117	110	271	100	60	-16	18	47	13
6	4.0	196	202	127	106	251	95	64	-12	53	41	130
7	0	194	161	122	167	234	95	64	16	61	46	225
8	0	191	146	92	287	213	94	55	75	61	54	64
9	4.0	177	151	86	266	163	89	41	64	35	59	308
10	4.0	160	137	86	246	151	75	18	61	30	49	267
11	9.0	155	137	100	232	147	66	13	62	26	45	184
12	9.0	154	126	99	215	167	65	9.0	53	26	68	128
13	13	145	125	76	204	181	65	0	45	26	55	115
14	18	129	119	53	218	191	69	4.0	55	61	54	98
15	14	117	101	58	212	187	69	4.0	41	61	54	88
16	9.0	116	19	58	210	184	69	0	41	61	40	70
17	14	102	53	68	213	184	69	26	36	72	27	71
18	18	47	136	96	192	193	64	70	40	83	14	70
19	18	17	234	105	177	213	59	95	37	88	18	65
20	18	9.0	209	101	172	226	54	91	38	110	23	46
21	27	9.0	183	86	172	220	54	77	38	134	18	42
22	36	5.0	201	76	167	211	45	64	51	175	14	43
23	68	5.0	192	87	210	211	36	51	56	149	23	43
24	94	5.0	139	87	249	210	31	42	65	142	9.0	43
25	116	5.0	140	97	242	205	27	34	69	135	18	43
26	134	5.0	140	142	257	194	31	30	64	133	18	69
27	124	5.0	166	205	239	188	69	17	64	122	13	90
28	171	14	204	194	219	178	102	0	64	89	14	69
29	355	19	188	205	287	279	120	104	175	106	308	
30	310	19	133	154	-----	153	73	8.0	59	66	14	72
31	286	-----	118	157	-----	134	67	4.0	59	81	13	95
						124	-----	0	-----	108	13	-----
TOTAL	1,933.0	3,220.0	4,016	3,439	5,528	6,114	2,177	1,270.0	1,193.0	2,359	1,213.0	2,603
MEAN	62.4	107	130	111	197	197	72.6	41.0	39.8	76.1	39.1	86.8
MAX	355	275	234	205	287	279	120	104	175	106	308	
MIN	0	5.0	19	53	106	124	27	0	-16	18	9.0	13
AC-FT	3,830	6,390	7,970	6,820	10,960	12,130	4,320	2,520	2,370	4,680	2,410	5,160
CAL YR 1964	TOTAL 32,401			MEAN 88.5	MAX 351	MIN -14	AC-FT 64,270					
WAT YR 1965	TOTAL 35,065			MEAN 96.1	MAX 335	MIN -16	AC-FT 69,550					

Note --No gage-height or deflection record June 21 to July 21 Negative figures indicate reverse flow to the west

## 2-2899 North Line Canal near Miami Springs, Fla

Location --Lat 25°46'18", long 80°18'53", in NW¼ sec 2, T 54 S, R 40 E, 20 ft from right bank on upstream side of footbridge, 1,000 ft upstream from Tamiami Canal, 0.5 mile upstream from salinity dam, and 4 miles southwest of Miami Springs, Dade County

Records available --August 1960 to September 1963 (discontinued)

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Extremes --Maximum and minimum discharges for the period August 1960 to September 1963 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 11, 1960	303	a 5 24	Sept 10, 1960	b -225	c 1 77
1961	Jan 13, 1961	239	3 85	July 22, 1961	-67	d 1 60
1962	June 21, 1962	177	5 63	Aug 5, 1962	-46	e 1 10
1963	Sept 22, 1963	207	f 5 53	May 29, 1963	-44	g 1 75

a Occurred Sept 10, 1960 b From hurricane tide c Occurred Aug 29, 1960 d Occurred Feb 27, 1961 e Occurred May 31, 1962 f Occurred Sept 20, 1963 g Occurred May 1, 1963

Note --Negative figures indicate reverse flow

1960-63 Maximum discharge, 303 cfs Sept 11, 1960, maximum gage height, 5 24 ft Sept 10, 1960, maximum reverse flow, 225 cfs Sept 10, 1960, from hurricane tide, minimum gage height, 1 10 ft May 31, 1962

Remarks --Records fair except those for periods of no gage-height and/or doubtful deflection record, which are poor Flow is affected by tide and by operation of salinity-control dam 0.5 mile downstream, and is frequently reversed Discharge computed using continuous velocity record obtained from recording deflection meter

## DISCHARGE, IN CUBIC FEET PER SECOND, AUGUST TO SEPTEMBER 1960

DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT
1	-	117	7	-	106	13	-	258	19	-	195	25	99	246
2	-	107	8	-	103	14	-	242	20	-	187	26	117	228
3	-	115	9	-	101	15	-	229	21	-	179	27	108	208
4	-	110	10	-	4	16	-	192	22	-	180	28	105	192
5	-	104	11	-	295	17	-	198	23	-	200	29	101	196
6	-	107	12	-	286	18	-	212	24	94	247	30	109	191
												31	122	-
TOTAL														5,335
MEAN														178
MAX														295
MIN														4
AC-FT														10,580

Note --Negative figures indicate reverse flow

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	197	154	136	84	86	61	-5	-3	83	90	-33	19
2	193	165	134	83	84	55	-19	72	80	-33	44	
3	169	157	139	85	82	52	-20	0	53	60	-33	33
4	158	139	144	86	93	50	-19	-3	96	40	-33	30
5	150	126	151	82	91	50	-11	-6	98	40	-30	0
6	150	122	155	77	83	52	-3	-3	88	20	-33	-22
7	179	119	147	77	77	56	-8	-3	72	5	-32	-27
8	190	127	140	77	86	55	-5	-3	53	5	-32	-29
9	176	130	142	91	82	59	-3	0	82	0	-30	-24
10	175	146	148	99	79	54	-6	0	99	-45	-27	-18
11	170	150	144	99	76	45	-5	0	94	-45	-27	-24
12	186	146	140	156	73	37	-3	-3	92	-45	-27	-24
13	179	143	133	210	70	37	-5	-3	69	-45	-27	-22
14	170	140	123	215	65	48	-5	-6	51	-45	-30	-19
15	171	153	101	203	66	48	-11	-14	37	-45	-27	-17
16	150	154	98	195	69	34	-14	-11	16	-40	-27	-14
17	135	148	85	175	71	28	-19	-11	3	-40	14	-6
18	122	144	88	154	69	26	-19	-14	5	-40	32	-12
19	118	144	86	141	69	28	-22	-14	3	-38	20	-12
20	126	142	86	135	70	28	-16	-11	3	-38	20	-6
21	125	133	86	132	72	31	-14	-5	4	-40	31	-15
22	117	135	95	123	72	31	-14	-3	-20	-49	38	-18
23	104	136	95	115	74	23	-14	-5	-40	-49	52	-15
24	99	139	83	110	75	23	-11	-11	-40	-46	44	-17
25	95	137	89	103	72	20	-11	-11	-40	-41	43	-20
26	97	138	89	102	77	18	-5	-6	-40	-36	34	-20
27	110	137	86	104	76	15	-3	33	-30	-30	26	-20
28	98	138	86	97	69	0	-3	137	30	-30	21	-23
29	102	138	86	92	-	-3	-6	128	110	-24	23	-20
30	99	134	88	93	-----	-3	-11	126	100	-30	17	-20
31	111	-----	86	93	-----	-3	-----	106	-----	-33	19	-----
TOTAL	4,421	4,214	3,489	3,688	2,128	1,055	-307	381	1,203	-534	-47	-338
MEAN	143	140	113	119	76	34	-10.2	12.3	40.1	-17.2	-1.5	-11.3
MAX	197	165	155	215	93	61	-3	137	110	90	52	44
MIN	95	119	83	77	65	-3	-22	-14	-40	-49	-33	-29
AC-FT	8,770	8,360	6,920	7,320	4,220	2,090	-609	756	2,390	-1,060	-93	-670
CAL YR 1960: TOTAL	-	-	-	MAX	MIN	MEAN	AC-FT	-	-	-	-	-
WAT YR 1961: TOTAL	19,353	MAX 215	MIN -49	MEAN 53.0	AC-FT 38,390							

Note --Doubtful deflection record Nov 14 to Dec 13 No gage-height or deflection record June 20 to July 19 Negative figures indicate reverse flow

## 2-2899 North Line Canal near Miami Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	-20	-6	-14	-23	-23	-21	-14	-15	-8	-26	-41	-3
2	-20	-6	-16	-23	-23	-21	-12	-15	-10	-23	-41	0
3	-20	-6	-16	-23	-23	-21	-14	-17	-14	-14	-42	12
4	-20	-6	-19	-23	-23	-21	-16	-17	-14	-14	-42	0
5	-23	-6	-19	-23	-26	-19	-16	-15	-16	-14	-43	0
6	-22	-12	-19	-21	-25	-20	-16	-11	-14	-25	-40	30
7	-22	-12	-19	-21	-25	-22	-16	-9	-15	-23	-37	59
8	-22	-12	-19	-21	-25	-22	-16	-9	-15	-17	-24	40
9	-16	-15	-19	-21	-25	-22	-16	-13	-15	-23	-6	29
10	-18	-15	-21	-21	-23	-20	-14	-15	-15	0	-17	36
11	-21	-15	-21	-21	-23	-20	-14	-15	-13	26	-11	28
12	-21	-14	-21	-21	-22	-20	-14	-15	-13	29	-6	30
13	-21	-14	-21	-21	-22	-20	-14	-15	-13	32	-3	31
14	-24	-14	-21	-18	-22	-20	-14	-13	-11	25	0	38
15	-23	-14	-24	-18	-22	-22	-16	-13	-10	16	-3	39
16	-23	-14	-24	-18	-22	-22	-16	-13	-11	11	11	36
17	-23	-14	-24	-18	-22	-21	-16	-13	-12	-3	3	32
18	-23	-14	-24	-18	-22	-24	-16	-12	-12	-11	0	37
19	-23	-14	-24	-24	-22	-26	-15	-12	-16	14	0	54
20	-23	-14	-23	-23	-22	-26	-15	-12	-3	14	0	85
21	-23	-11	-23	-24	-22	-25	-15	-10	95	0	-3	137
22	-23	-11	-23	-24	-22	-25	-17	-12	148	-13	-11	140
23	-17	-11	-23	-24	-21	-16	-12	-11	118	-10	-13	143
24	-3	-11	-23	-22	-21	-9	-17	-14	89	5	-16	146
25	-3	-14	-23	-22	-21	-9	-15	-14	68	10	-22	138
26	-3	-14	-23	-21	-21	-12	-15	-14	27	0	-19	126
27	0	-14	-23	-24	-21	-12	-15	-14	-6	-11	-19	118
28	0	-14	-23	-24	-21	-12	-15	-14	-11	-29	-17	117
29	0	-14	-23	-24	-----	-12	-15	-15	-14	-28	-11	113
30	-3	-14	-23	-24	-----	-12	-15	-15	-20	-34	-11	108
31	-6	-----	-23	-23	-----	-14	-----	-13	-----	-38	-----	-----
TOTAL	-515	-365	-661	-680	-630	-590	-456	-418	244	-174	-496	1,737 0
MEAN	-16.6	-12.2	-21.3	-21.9	-22.5	-19.0	-15.2	-13.5	8.1	-5.6	-16.0	63.4
MAX	0	-6	-14	-18	-21	-9	-12	-9	148	32	11	146
MIN	-24	-15	-24	-24	-26	-26	-17	-17	-20	-38	-43	-3 0
AC-FT	-1,020	-724	-1,310	-1,350	-1,250	-1,170	-904	-829	484	-345	-984	3,770

CAL YR 1960: TOTAL 5,688 MEAN 15.6 MAX 215 MIN -49 AC-FT 11,290  
 MAT YR 1961: TOTAL -3,004 MEAN -8.2 MAX 148 MIN -43 AC-FT -5,950

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT
1	99	40	12	14	14	3	-11	-14	-3	21	-5	22
2	108	43	12	14	14	0	-14	9	0	11	-10	24
3	106	49	12	14	11	0	-17	20	0	5	-10	22
4	102	46	15	14	12	0	-17	11	0	5	-10	21
5	94	45	15	11	12	-6	-19	3	3	-5	-5	21
6	88	45	15	12	6	-11	-19	0	12	-14	-10	30
7	83	42	15	12	6	-11	-19	0	21	-11	-5	33
8	77	34	15	12	3	-11	-16	0	31	-6	-5	42
9	73	70	18	12	6	-11	-19	0	48	0	-5	66
10	72	59	18	12	6	-6	-19	-3	58	3	-10	95
11	70	32	15	14	6	-3	-19	0	76	11	-14	88
12	61	32	15	14	15	-17	-19	0	74	14	-12	63
13	50	32	15	14	24	-20	-19	0	63	11	-9	11
14	52	31	17	15	21	-20	-18	0	49	11	-9	0
15	50	31	17	20	21	-25	-18	0	50	11	-12	-17
16	42	26	17	21	21	-28	-15	0	70	11	0	6
17	28	14	17	21	18	-28	-15	-3	68	11	-2	46
18	21	12	17	18	21	-28	-15	-5	42	5	-2	51
19	13	6	20	15	20	-25	-15	-12	26	5	-2	50
20	14	12	20	12	17	-25	-15	-10	20	16	0	106
21	16	12	17	12	14	-22	-15	0	20	13	0	149
22	16	6	14	6	14	-22	-15	-5	20	13	-3	158
23	14	6	14	3	14	-22	-17	10	19	13	11	173
24	11	3	17	3	14	-25	-15	5	19	10	6	164
25	6	3	17	3	6	-25	-14	0	19	10	-3	168
26	11	3	17	3	6	-25	-14	10	43	5	25	141
27	14	3	20	6	6	-24	-14	15	43	5	27	128
28	12	6	20	12	3	-24	-14	15	60	3	22	106
29	14	12	17	11	-----	-12	-16	10	71	-10	21	103
30	17	12	17	11	-----	-20	-18	3	62	-5	13	113
31	25	-----	14	14	-----	-11	-----	0	-----	-10	19	-----
TOTAL	1,459	767	501	375	351	-514	-490	59	1,084	162	1	2,183
MEAN	47.1	25.6	16.2	12.1	12.5	-16.6	-16.3	1.9	36.1	5.2	0.3	72.8
MAX	108	70	20	21	24	3	-11	20	76	21	27	173
MIN	6	3	12	3	3	-28	-19	-14	-3	-14	-14	-17
AC-FT	2,890	1,520	994	744	696	-1,020	-972	117	2,150	321	2 0	4,330

CAL YR 1962: TOTAL 1,264 MEAN 3.5 MAX 148 MIN -43 AC-FT 2,510  
 MAT YR 1963: TOTAL 5,938 MEAN 16.3 MAX 173 MIN -28 AC-FT 11,770

Note --Negative figures indicate reverse flow



## 2-2905 3 Miami River at Brickell Avenue, Miami, Fla

Location --Lat 25°45'11", long 80°11'25", in SE 1/4 sec 6, T 54 S, R 42 E, on north fender of center span under Brickell Avenue Bridge at Miami, Dade County, 0.1 mile above mouth, 4.2 miles downstream from Tamiami Canal, and 5.6 miles downstream from NW 36th Street salinity control

Records available --February 1961 to September 1965

Gage --Digital water-stage and deflection-meter recorders. Datum of gage is at mean sea level, datum of 1929 (City of Miami bench mark). Prior to Oct 1, 1963, graphic water-stage recorder and prior to Oct 1, 1964, graphic deflection-meter recorder at same site and datum

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the period February 1961 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1961	Feb 19, 1961	206	Sept 6, 1961	59.7	Sept 25, 1961	55.0	Many days	0
1962	June 22, 1961	203	May 15, 1962	43.1	Oct 23, 1961	70.9	July 12, 1962	1.81
1963	Sept 26, 1963	193	May 18, 1963	41.0	Apr 24, 1963	79.6	Sept 26, 1963	0
1964	Oct 1, 1963	155	Mar 8, 1964	46.7	Nov 28, 1963	84.7	Aug 27, 1963	14.5
1965	Dec 6, 1964	192	Sept 5, 1965	25.2	Nov 19, 1964	89.7	Dec 6, 1964	1.14

Maximum and minimum gage heights, in feet, for the period February 1961 to September 1965 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage Height	Date	Gage Height
1961	Sept 24, 1961	2.50	July 14, 1961	-1.25
1962	Mar 9, 1962	2.93	Apr 3, 1962	-1.31
1963	Nov 9, 1963	2.76	Feb 27, 1963	-1.55
1964	Nov 1, 1963	2.84	Jan 29, 1964	-1.49
1965	Sept 8, 1965	5.85	Jan 17, 1965	-1.57

1961-65 Maximum daily downstream flow, 206,000,000 cu ft Feb 19, 1961, minimum daily downstream, 25,200,000 cu ft Sept 5, 1965, maximum daily upstream flow, 89,700,000 cu ft Nov 19, 1964, no upstream flow on some days in some years Maximum gage height, 5.85 ft Sept 8, 1965, minimum, -1.57 ft Jan 17, 1965

Remarks --Records good prior to Oct 1, 1963, and fair thereafter except those for period of doubtful or no deflection record, which are poor. Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide. Flow computed from continuous velocity record obtained from recording deflection meter

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, FEBRUARY TO SEPTEMBER 1961														
Day	February		March		Day	February		March		Day	February		March	
	Down-stream	Up-stream	Down-stream	Up-stream		Down-stream	Up-stream	Down-stream	Up-stream		Down-stream	Up-stream	Down-stream	Up-stream
1	-	-	160	0	11	-	-	142	0	21	203	0	164	0
2	-	-	170	0	12	-	-	138	0	22	199	0	156	0
3	-	-	168	0	13	193	0	133	0	23	200	0	162	0
4	-	-	171	0	14	196	0	176	0	24	188	0	163	0
5	-	-	175	0	15	190	0	168	0	25	188	0	149	0
6	-	-	175	0	16	190	0	165	1.90	26	202	0	133	0
7	-	-	188	0	17	186	0	153	1.90	27	183	0	147	0
8	-	-	178	0	18	192	0	161	0	28	170	0	142	0
9	-	-	182	0	19	206	0	158	1.81	29	-	-	138	0
10	-	-	156	0	20	200	0	162	0	30	-----	-----	134	0
										31	-----	-----	129	0
	April		May		June		July		August		September			
1	150	0	112	11.2	130	25.1	130	34.6	75.5	46.3	88.8	24.5		
2	153	0	117	9.50	120	16.0	134	33.7	69.8	45.8	86.4	24.5		
3	150	0	112	10.4	136	5.54	130	34.6	65.0	44.1	86.1	21.2		
4	149	3.63	108	11.2	142	7.17	125	35.4	64.4	44.8	71.9	28.3		
5	147	3.46	104	12.1	136	7.08	121	35.4	73.4	39.7	63.1	39.6		
6	147	3.46	104	12.1	133	10.7	117	35.4	73.0	37.8	59.7	41.3		
7	147	4.32	99.4	13.0	124	7.08	112	35.4	64.7	35.9	67.0	41.7		
8	147	4.32	99.4	13.0	106	19.4	108	36.3	60.3	45.4	68.0	43.1		
9	143	3.46	104	12.1	138	12.6	104	36.3	60.3	45.4	77.6	50.1		
10	143	4.32	108	12.1	168	5.44	106	35.4	61.3	43.1	75.1	44.2		
11	138	5.18	104	12.1	184	3.63	104	36.3	63.1	44.9	65.7	44.5		
12	138	4.32	99.4	13.0	158	10.7	99.4	36.3	64.4	42.9	67.0	51.3		
13	138	5.18	95.0	13.8	146	10.4	95.0	37.2	66.0	42.9	65.3	49.6		
14	134	6.05	90.7	14.7	127	15.6	97.6	36.3	66.0	42.9	63.3	44.1		
15	134	6.05	90.7	15.6	118	22.8	97.6	35.4	71.5	38.8	96.4	31.4		
16	134	6.05	86.4	16.4	108	22.8	95.0	36.3	71.5	38.8	111	17.5		
17	130	6.91	86.4	16.4	106	30.0	95.0	36.3	80.8	28.1	101	23.0		
18	130	6.91	84.7	17.3	86.7	34.3	96.8	35.4	88.4	22.7	95.7	30.4		
19	130	7.78	84.0	17.5	84.2	27.3	86.4	34.6	75.5	37.4	79.1	36.5		
20	125	7.78	71.9	23.0	83.8	25.4	82.1	35.4	89.1	28.6	85.1	40.5		
21	125	8.64	73.0	21.6	73.2	36.8	77.8	36.3	110	22.9	82.9	44.0		
22	125	8.64	74.3	23.2	83.4	27.1	73.4	37.2	121	17.5	85.1	42.3		
23	121	9.50	70.9	23.2	83.3	23.0	69.1	38.0	126	19.1	85.5	48.0		
24	121	9.50	82.9	12.4	75.5	23.2	60.4	39.0	112	33.5	78.7	51.8		
25	121	9.50	95.8	12.4	81.6	26.6	66.4	46.7	112	42.3	76.2	55.0		
26	117	10.4	109	21.3	88.4	29.6	73.9	46.3	113	49.9	85.4	54.4		
27	117	10.4	172	6.74	86.7	31.4	95.2	41.0	104	50.1	82.9	46.7		
28	118	9.50	198	3.46	120	24.3	95.7	51.8	119	37.2	80.0	46.9		
29	118	10.4	183	3.46	137	34.7	87.4	44.8	141	21.2	71.7	39.7		
30	117	11.2	180	10.0	134	34.6	87.7	45.8	137	19.1	68.3	36.1		
31	-----	-----	145	17.7	-----	-----	83.7	42.7	117	22.7	-----	-----		

Note --No deflection record Apr 5 to May 19

## 2-2905 3 Miami River at Brickell Avenue, Miami, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	70 9	30 4	68 1	16 6	62 2	16 8	57 5	44 1	59 2	52 7	53 0	50 6
2	65 1	34 3	66 4	14 7	66 0	14 7	62 2	39 0	58 8	53 1	47 3	56 7
3	57 9	42 3	65 4	18 1	57 5	23 8	62 2	41 9	58 3	53 6	46 5	62 9
4	61 6	40 7	69 3	19 7	61 3	20 2	54 1	58 8	57 9	54 4	47 4	64 1
5	59 9	46 2	60 7	32 8	70 8	25 5	54 3	55 6	57 5	54 9	52 2	67 5
6	64 4	38 4	72 8	31 1	76 7	21 7	57 5	59 0	57 0	55 3	54 4	63 9
7	64 4	44 0	69 1	38 3	67 3	39 1	57 5	67 7	57 5	56 2	57 0	59 6
8	66 4	47 9	75 9	34 6	64 0	35 6	61 7	56 8	56 2	56 2	59 6	56 2
9	65 3	29 7	73 8	29 0	61 1	41 1	60 0	63 6	56 0	57 3	62 2	52 7
10	74 0	27 8	71 1	31 1	64 4	50 1	62 4	53 8	62 4	50 4	64 8	49 2
11	77 4	37 2	70 2	33 3	70 7	54 1	66 8	50 1	60 4	44 9	67 4	44 9
12	80 4	49 9	71 5	27 6	66 3	50 9	74 3	41 3	54 6	41 9	70 0	41 5
13	77 0	51 8	72 4	25 5	69 1	43 6	54 1	53 6	50 6	42 5	72 1	38 1
14	77 0	46 2	86 2	16 2	65 9	45 4	56 5	42 1	48 1	57 5	59 1	41 0
15	69 5	40 3	79 2	16 1	67 8	43 9	59 1	43 4	49 2	48 0	60 7	41 0
16	54 8	46 2	78 8	17 8	59 1	46 3	53 7	53 3	52 5	56 9	26 4	41 6
17	49 3	49 9	74 6	25 1	54 4	57 2	58 5	53 3	52 0	58 1	67 5	38 2
18	60 2	55 9	68 3	28 9	56 9	58 1	52 7	46 9	51 7	57 9	56 0	43 4
19	65 2	51 3	65 7	32 8	60 7	59 0	57 9	52 4	59 1	50 4	52 3	46 1
20	69 5	58 1	64 0	36 5	63 6	55 3	60 4	50 1	61 0	51 1	51 1	53 7
21	73 5	59 2	65 1	34 3	57 9	55 8	58 1	42 8	58 5	49 9	53 0	53 9
22	65 3	70 6	57 0	37 3	55 6	58 4	62 6	42 5	54 1	53 6	53 6	52 7
23	58 8	70 9	62 2	35 4	59 1	60 5	62 6	47 7	56 9	41 3	56 2	51 0
24	55 6	69 4	70 4	32 7	66 8	41 5	62 2	48 0	65 3	35 6	55 3	51 8
25	52 6	60 0	68 0	27 0	70 8	41 0	61 8	48 8	54 8	39 1	56 2	49 2
26	63 6	59 4	70 1	23 5	62 4	45 2	61 3	49 2	54 1	39 7	57 9	48 4
27	56 8	48 3	66 7	27 1	56 9	45 8	60 9	49 7	54 6	38 4	57 0	46 7
28	68 4	37 8	62 6	29 3	64 6	38 6	61 3	49 2	57 5	45 2	57 9	44 9
29	63 4	34 2	62 2	24 3	69 2	30 8	60 5	50 1	-	-	58 8	43 2
30	70 8	11 2	62 2	16 8	69 2	26 5	60 0	51 0	-----	-----	60 5	41 5
31	74 3	9 33	-----	-----	55 0	32 5	59 6	51 8	-----	-----	60 5	42 3
April		May		June		July		August		September		
1	60 5	39 7	54 4	38 9	59 7	53 9	126	29 2	79 1	43 9	98 2	31 1
2	62 2	38 0	54 4	36 9	58 1	55 7	134	29 0	76 3	46 7	107	21 9
3	62 2	38 9	54 4	36 9	58 8	49 6	129	30 8	76 7	43 4	108	21 9
4	63 1	36 3	54 4	39 3	59 8	47 3	131	25 5	69 5	45 6	108	18 0
5	63 9	34 6	55 3	38 0	58 5	47 6	133	25 3	72 3	33 2	106	21 4
6	64 8	33 7	56 2	38 0	53 9	49 6	140	17 9	78 3	33 0	113	19 8
7	66 5	31 1	54 4	39 3	56 9	42 3	147	12 3	75 5	29 6	112	16 1
8	66 5	32 8	54 4	39 3	62 6	34 9	142 9	14 0	71 9	30 1	111	14 2
9	67 4	31 1	54 2	39 1	55 2	37 0	121	19 6	83 3	23 0	105	16 0
10	68 3	28 5	57 7	34 0	52 5	35 6	123	15 9	77 2	32 1	98 9	21 8
11	68 8	27 2	57 2	33 7	53 0	39 6	139	7 17	90 7	21 4	100	31 3
12	67 2	23 8	55 6	37 2	54 4	41 1	143	1 81	115	19 6	105	39 1
13	62 2	31 9	47 1	36 8	57 2	39 0	136	7 08	104	34 0	111	35 2
14	56 3	35 8	45 4	42 3	64 3	38 4	136	10 5	120	21 3	121	44 4
15	50 9	43 2	43 1	43 1	76 7	31 3	132	17 6	123	27 0	118	44 4
16	53 5	37 7	46 7	45 1	79 9	27 8	127	22 7	128	32 5	121	38 6
17	55 0	35 9	45 3	49 0	104	27 9	125	22 6	122	32 7	117	33 0
18	54 3	41 6	47 2	52 9	106	34 9	123	35 1	126	34 5	121	32 8
19	51 4	47 1	49 5	46 5	101	41 3	110	40 5	121	36 3	130	25 9
20	53 0	41 9	51 1	51 8	106	39 3	119	31 9	114	30 8	138	17 3
21	52 4	39 7	52 5	55 2	136	16 2	114	39 6	112	29 0	143	13 0
22	51 7	45 6	54 2	55 2	203	3 72	116	28 8	105	28 9	138	12 1
23	57 2	34 6	52 8	50 1	178	9 16	113	24 9	96 9	30 2	146	12 7
24	55 6	41 5	59 9	48 0	166	14 7	104	26 4	84 2	28 6	140	22 1
25	50 1	40 3	55 0	38 6	163	12 8	99 1	33 5	80 9	28 6	134	26 3
26	54 6	38 4	54 6	36 6	156	16 4	95 3	31 5	82 1	35 6	130	24 4
27	54 8	38 4	49 5	42 9	134	25 1	91 0	37 0	113	32 1	135	26 1
28	54 4	38 4	46 7	56 0	127	30 8	76 7	37 2	114	28 3	144	21 9
29	54 4	38 4	46 5	55 7	123	36 8	76 7	37 2	103	39 7	142	23 8
30	54 4	38 9	49 8	59 3	121	32 8	86 1	44 1	101	32 7	137	18 1
31	-----	-----	46 7	63 2	-----	-----	82 0	41 9	101	36 5	-----	-----

## 2-2905 3 Miami River at Brickell Avenue, Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963													
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	
October		November		December		January		February		March			
1	146	11 1	95 1	38 4	70 0	40 6	73 4	39 7	85 9	32 8	100	20 7	
2	146	11 2	84 2	38 3	70 8	38 9	72 4	41 9	83 5	29 6	109 3	18 7	
3	137	16 4	79 6	34 8	73 4	38 0	80 9	40 9	71 1	38 6	95 9	10 0	
4	127	19 9	85 9	27 3	70 0	37 2	73 8	38 1	80 4	39 1	88 6	11 8	
5	118	22 5	78 8	32 7	70 0	38 0	67 4	43 7	85 6	36 8	84 0	10 2	
6	113	23 3	80 4	34 5	72 6	34 6	62 6	55 0	86 1	40 5	92 8	18 3	
7	111	24 2	78 3	35 0	70 8	33 7	71 1	51 3	84 0	43 9	87 7	21 6	
8	112	23 3	75 7	39 1	63 1	30 2	79 1	49 2	74 3	51 8	89 7	21 7	
9	104	24 2	138	24 8	74 3	31 1	86 2	44 9	79 7	44 9	78 2	22 1	
10	94 2	26 8	134	28 6	88 1	29 4	87 4	44 8	78 4	41 6	84 4	25 6	
11	98 5	24 2	123	37 8	89 0	26 8	77 9	44 9	80 9	35 8	81 7	23 9	
12	88 1	27 6	114	47 7	86 4	25 9	80 9	39 3	112	22 9	80 6	27 5	
13	82 9	32 8	113	46 9	86 4	26 8	80 0	37 2	144	13 9	90 7	27 2	
14	86 4	34 6	113	37 9	86 4	25 9	94 3	22 6	133	11 9	81 3	22 1	
15	84 7	36 3	105	28 9	84 7	25 9	90 6	19 0	115	10 2	72 3	22 2	
16	84 7	38 0	98 4	27 1	81 2	24 2	90 6	17 3	124	5 10	71 9	20 8	
17	86 4	38 9	82 6	23 7	77 8	22 5	81 2	21 2	124	3 46	80 8	8 47	
18	64 3	54 3	85 0	25 3	76 9	22 5	84 0	19 3	103	10 3	74 2	10 0	
19	61 7	51 3	89 3	17 6	77 2	22 7	68 3	14 1	120	12 2	64 5	22 2	
20	63 4	44 2	82 9	19 4	71 9	20 8	71 5	28 2	125	10 2	63 6	25 9	
21	63 2	43 5	75 1	21 3	71 1	21 1	96 9	24 2	103	17 2	65 1	32 8	
22	62 2	44 8	88 0	19 1	66 6	24 7	83 8	25 7	105	23 9	68 3	31 1	
23	56 8	52 0	90 1	20 6	72 7	28 1	83 5	29 6	113	25 7	69 5	36 8	
24	64 7	40 5	90 6	20 7	73 1	38 8	95 4	30 7	116	24 5	63 3	33 5	
25	65 4	39 9	90 1	22 4	71 5	35 3	89 5	36 5	120	32 7	66 0	41 1	
26	71 1	38 4	86 3	34 7	81 6	29 5	81 2	40 5	107	36 1	70 6	51 6	
27	67 7	44 0	76 7	48 7	81 0	31 1	88 4	48 9	125	26 7	75 5	52 4	
28	63 3	37 0	77 8	46 7	81 6	34 7	97 5	33 0	102	20 6	78 3	41 6	
29	68 1	38 6	73 4	44 9	84 5	38 8	91 6	35 2	-----	-----	77 2	46 4	
30	70 2	46 2	76 0	42 3	86 6	42 5	95 3	31 5	-----	-----	81 6	26 1	
31	72 2	42 7	-----	-----	77 9	37 8	92 2	31 1	-----	-----	66 3	26 3	
April		May		June		July		August		September			
1	68 3	19 4	49 8	62 6	55 8	49 9	77 2	29 6	55 0	40 3	69 6	41 3	
2	69 5	24 5	44 2	63 6	57 2	42 5	69 1	34 9	59 4	40 2	70 9	48 3	
3	66 3	19 3	59 8	47 3	65 0	44 1	66 3	42 1	60 7	43 4	71 7	48 7	
4	69 1	20 9	56 9	56 4	62 7	46 5	67 8	43 9	56 5	45 6	83 8	47 2	
5	64 6	38 6	53 9	65 5	68 9	49 9	64 6	50 9	56 9	56 4	87 2	61 7	
6	59 4	50 1	57 7	66 2	74 3	42 1	62 0	55 0	64 3	47 1	87 6	58 3	
7	59 7	48 6	60 4	58 4	78 7	45 4	61 3	57 5	61 1	48 9	101	45 4	
8	59 6	50 1	63 3	47 6	79 9	43 4	66 4	61 1	61 1	59 4	93 7	46 0	
9	61 3	49 2	65 0	44 1	80 0	41 9	69 3	57 2	63 3	49 3	110	33 0	
10	59 6	49 2	75 9	47 3	98 1	36 1	63 1	53 9	61 4	49 1	115	27 3	
11	58 8	50 1	67 8	49 1	101	29 2	66 4	48 6	64 3	45 4	107	36 6	
12	59 6	49 2	58 8	46 1	94 9	27 5	67 0	42 5	63 9	48 6	105	27 6	
13	58 8	50 1	57 2	40 8	85 9	36 3	67 3	39 1	59 1	48 6	86 4	36 6	
14	57 9	51 0	62 4	37 4	90 1	29 2	67 3	46 3	59 1	52 1	85 9	43 7	
15	59 6	50 1	64 4	37 6	86 1	37 4	66 0	48 3	60 0	49 9	82 9	42 2	
16	54 4	51 8	62 4	39 1	83 4	41 0	60 7	53 4	60 0	48 1	88 8	49 0	
17	51 8	57 0	61 1	50 1	91 2	34 2	58 8	55 0	61 7	51 6	90 2	44 0	
18	49 2	63 9	41 0	51 6	86 5	37 7	60 4	42 5	58 8	50 1	97 0	46 0	
19	49 0	61 9	55 6	53 1	81 7	42 8	60 7	48 0	63 0	49 1	105	46 7	
20	45 6	65 0	59 8	49 1	71 5	48 4	68 3	47 6	67 3	49 9	170	13 4	
21	51 3	62 6	58 5	58 1	70 3	53 8	63 7	65 5	84 9	42 5	188	9 50	
22	54 4	71 1	61 4	63 2	73 5	52 1	59 7	62 9	95 3	31 5	182	3 72	
23	54 8	73 2	63 0	61 3	73 5	52 1	61 1	57 2	84 5	33 5	188	5 62	
24	54 4	79 6	61 7	61 7	79 9	43 4	64 0	46 3	72 2	37 4	178	5 62	
25	50 0	73 2	62 0	53 1	79 9	38 2	60 7	46 3	67 3	37 4	188	1 90	
26	48 7	70 2	61 1	57 2	98 1	26 2	59 4	34 0	71 5	30 0	193	0	
27	54 8	57 9	61 1	51 8	91 6	26 2	62 4	39 1	77 6	24 5	151	19 4	
28	57 5	48 6	58 4	50 5	89 3	24 7	60 7	39 1	74 7	24 7	129	29 3	
29	52 9	46 9	61 3	44 9	85 6	26 3	60 4	35 4	71 9	28 3	136	23 0	
30	57 5	50 3	62 7	51 8	80 4	22 7	58 5	37 0	61 3	41 3	156	24 3	
31	-----	-----	62 4	49 9	-----	-----	50 4	42 3	61 7	45 1	-----	-----	

2-2905 3 Miami River at Brickell Avenue, Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	October		November		December		January		February		March	
1	155	32 1	89 4	70 0	70 7	75 1	149	24 5	75 1	64 7	70 0	50 8
2	136	38 7	87 3	70 2	70 0	72 6	123	37 8	70 0	50 8	61 0	54 4
3	136	44 3	88 0	58 6	73 1	74 3	74 6	50 3	64 5	54 8	67 2	46 0
4	125	59 2	86 4	60 5	70 0	67 4	71 2	51 6	62 4	43 4	59 4	42 5
5	126	50 1	78 3	66 3	69 6	60 1	63 2	55 0	63 0	43 9	69 6	31 7
6	119	50 9	82 9	56 8	63 6	58 8	76 3	48 4	72 7	41 3	59 6	39 6
7	127	42 9	77 1	50 8	57 5	57 3	75 9	43 0	65 7	42 5	60 3	41 6
8	88 1	47 5	77 1	47 2	52 0	60 0	65 3	42 3	81 5	36 5	46 7	38 5
9	132	41 8	60 3	54 4	56 0	59 0	55 6	51 8	74 5	36 1	49 0	51 6
10	126	39 2	47 7	68 1	52 4	55 3	73 1	47 4	68 1	48 4	56 0	58 7
11	115	46 8	51 8	60 5	54 3	59 0	68 8	55 6	71 1	5 <sup>5</sup> 0	51 8	51 8
12	116	41 0	55 3	55 3	51 1	64 3	67 0	55 0	68 1	55 0	57 0	48 4
13	109	56 2	62 2	48 4	56 9	63 6	89 6	39 3	64 1	61 3	57 0	46 7
14	113	50 6	62 2	50 1	59 8	63 3	91 8	49 1	64 1	66 4	57 0	48 4
15	113	56 2	62 2	51 8	62 2	59 3	74 3	66 4	64 8	67 0	55 3	38 0
16	140	42 8	60 5	55 3	59 1	59 3	64 6	64 9	66 0	65 0	57 0	39 7
17	146	38 9	58 8	51 8	51 1	69 5	75 9	68 4	64 8	65 3	57 0	41 5
18	146	40 6	60 5	50 1	67 8	64 9	76 3	57 0	59 4	66 4	53 6	44 9
19	129	43 3	60 5	48 4	70 3	62 6	74 3	49 9	74 6	47 4	51 8	44 9
20	116	41 6	60 5	50 1	58 5	61 7	77 9	51 8	74 9	44 6	55 3	46 7
21	112	41 5	61 3	49 2	55 6	63 8	80 9	44 1	64 2	47 9	65 7	55 3
22	102	37 5	59 6	53 6	55 6	62 0	74 3	51 6	67 7	54 8	62 2	60 5
23	87 3	41 5	60 5	51 8	59 8	57 9	70 3	57 3	78 5	44 8	65 7	65 7
24	67 0	53 2	60 5	53 6	68 8	47 7	62 4	60 8	69 6	53 4	62 2	67 4
25	65 2	53 2	62 2	57 0	48 5	61 3	60 7	66 0	65 3	57 5	60 6	77 8
26	54 6	57 0	62 2	65 7	51 4	71 5	64 8	65 3	65 3	66 0	67 4	76 0
27	63 8	59 7	57 0	74 3	58 1	75 4	66 8	69 1	60 7	71 2	69 1	65 7
28	71 5	68 1	52 8	84 7	53 9	83 3	70 0	69 1	74 3	63 6	71 7	66 5
29	83 8	65 9	67 0	78 0	55 2	81 0	75 1	69 8	76 9	54 8	79 5	62 2
30	89 0	73 4	75 9	70 2	64 0	73 0	65 1	69 1	-----	-----	79 5	56 2
31	89 4	71 9	-----	-----	88 2	49 6	66 8	69 1	-----	-----	73 4	57 9
	April		May		June		July		August		September	
1	72 6	50 1	60 5	46 7	58 5	58 5	86 3	41 6	88 4	40 2	117	38 2
2	62 2	57 0	60 5	51 8	56 6	53 0	80 4	41 9	85 2	38 4	112	43 4
3	70 8	50 1	58 8	53 6	56 0	60 8	83 1	52 1	80 8	42 7	102	52 6
4	60 5	53 6	58 8	55 3	60 1	60 0	82 7	55 3	80 8	49 1	93 6	60 5
5	55 3	51 0	57 0	57 0	73 1	63 4	77 9	65 7	80 8	50 9	95 6	67 1
6	63 9	50 1	55 3	53 6	92 6	49 3	77 5	63 6	78 3	62 6	91 4	73 3
7	62 2	46 7	57 0	50 1	107	45 6	85 4	51 6	80 4	57 6	93 1	82 4
8	56 2	42 3	57 9	47 5	107	47 6	90 1	51 6	86 3	55 6	90 2	75 4
9	55 3	43 2	61 3	45 8	128	40 1	104	37 7	84 0	57 9	86 8	77 3
10	57 0	44 9	60 5	43 2	137	33 3	107	46 2	86 1	52 9	88 4	61 4
11	53 6	48 4	63 1	47 5	142	33 6	114	35 1	81 6	55 0	91 9	51 6
12	53 6	46 7	63 1	49 2	137	37 3	109	38 2	83 3	46 1	77 6	57 2
13	54 4	44 9	62 2	50 1	136	36 5	104	45 3	84 9	40 8	86 6	31 9
14	58 8	43 2	62 2	48 4	134	32 3	91 8	45 3	80 4	37 4	76 4	45 8
15	57 0	39 7	67 4	38 0	131	32 2	91 7	46 4	80 8	36 8	80 0	47 9
16	57 0	43 2	69 1	41 5	137	28 6	102	41 6	77 9	31 1	62 4	56 9
17	57 9	40 6	69 1	48 4	126	40 5	88 4	43 6	81 7	29 1	76 3	68 3
18	57 0	38 0	69 1	51 8	105	41 6	88 0	33 0	89 6	27 4	90 5	61 7
19	55 3	46 7	65 7	55 3	90 1	55 0	81 0	44 9	80 6	32 7	84 2	68 8
20	55 3	48 4	70 8	48 4	95 9	66 7	82 0	50 6	86 5	34 2	86 8	62 6
21	55 3	50 1	72 6	51 8	74 3	72 2	86 7	38 4	82 9	49 3	94 3	58 3
22	57 0	50 1	70 8	55 3	93 3	58 5	78 7	41 9	77 1	58 1	91 6	58 8
23	55 3	50 1	72 6	58 8	86 8	27 6	79 9	41 6	75 5	61 6	88 1	61 3
24	58 8	51 8	72 6	63 9	98 8	48 6	80 2	42 8	81 7	58 1	93 3	62 2
25	55 3	50 1	69 1	69 1	69 1	61 1	86 5	35 9	75 9	65 3	99 4	63 1
26	57 0	53 6	61 4	75 4	75 2	50 4	88 6	43 0	76 4	74 0	95 0	56 2
27	57 0	50 1	64 3	68 1	81 6	48 6	85 9	39 7	154	14 5	93 3	60 5
28	58 8	48 4	63 6	67 4	81 6	52 1	86 7	33 2	150	26 6	91 6	62 2
29	60 5	51 8	58 8	63 9	84 7	55 6	81 2	38 8	148	21 1	94 9	60 5
30	58 8	48 4	55 6	58 8	81 6	50 4	90 5	33 4	150	21 1	92 9	55 7
31	-----	-----	52 4	60 5	-----	-----	85 2	31 4	133	35 3	-----	-----

Note --Doubtful or no deflection record Mar 11 to May 25

2-2905 3 Miami River at Brickell Avenue, Miami, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October			November		December		January		February		March	
1	84 0	41 9	99 4	47 9	79 4	55 4	67 0	47 3	71 5	53 4	75 3	43 7
2	85 5	52 1	102	54 7	68 0	53 5	77 7	46 2	78 3	49 3	70 1	51 8
3	83 8	48 0	99 9	57 0	70 7	65 8	77 7	42 8	79 6	43 1	76 7	57 6
4	94 5	47 9	100	60 6	58 8	68 5	74 3	50 8	76 8	51 0	110	34 3
5	94 9	47 8	107	53 4	119	32 0	76 7	52 5	79 1	47 5	124	36 7
6	96 8	50 8	108	42 8	192	1 14	67 2	54 9	72 2	55 0	109	39 7
7	99 2	47 5	109	41 8	157	7 47	74 3	47 3	83 8	31 8	112	32 0
8	81 0	58 9	106	36 7	155	10 3	80 8	41 6	130	11 5	108	27 1
9	77 2	46 6	105	35 8	130	17 6	74 1	38 8	98 8	30 6	86 3	37 0
10	85 5	51 9	84 2	37 8	115	25 4	72 2	38 7	107	22 7	69 6	42 0
11	81 9	46 0	82 0	37 3	122	24 4	75 5	48 5	89 5	34 9	71 8	44 6
12	92 5	31 0	75 6	39 6	112	18 1	68 5	45 2	81 1	45 0	68 0	49 6
13	97 5	35 3	81 6	39 5	114	25 6	75 3	53 6	94 1	46 7	73 0	56 6
14	95 1	48 8	81 2	42 8	105	27 8	70 1	55 1	82 9	53 5	72 5	56 9
15	139	14 7	65 9	46 3	83 0	41 9	71 1	68 2	96 6	45 3	75 5	67 7
16	118	19 9	83 3	43 6	84 2	47 5	72 0	72 5	90 7	54 1	30 0	66 3
17	108	35 9	78 9	53 7	79 5	57 4	79 1	61 0	91 5	60 6	75 2	70 9
18	101	52 6	74 6	60 9	84 5	55 5	68 7	74 2	98 6	57 1	84 2	58 3
19	92 6	51 1	57 4	89 7	92 3	49 6	73 3	75 6	97 2	51 4	88 2	48 5
20	108	48 8	51 8	85 5	90 0	46 6	70 2	67 6	86 2	50 6	87 1	43 4
21	102	58 4	64 4	66 3	106	41 4	71 5	59 4	82 5	40 4	76 5	48 3
22	89 2	65 5	76 9	63 0	97 8	49 4	76 9	46 6	88 7	30 9	69 2	41 8
23	88 2	58 7	78 0	53 7	90 2	53 1	78 5	44 8	94 7	32 1	71 5	37 9
24	98 2	52 1	81 7	55 0	68 0	59 7	66 5	42 8	89 2	25 4	63 5	41 0
25	93 2	49 3	69 0	55 5	73 0	54 9	70 3	41 2	125	20 1	66 3	36 3
26	84 8	49 8	70 7	46 9	73 2	53 3	73 5	35 5	122	11 5	62 6	33 5
27	81 4	50 3	65 2	49 5	78 2	45 7	71 6	45 8	115	10 4	59 8	41 2
28	106	44 5	67 1	51 5	79 8	47 3	72 1	39 6	96 0	27 3	58 2	39 8
29	139	28 7	75 6	43 6	87 7	42 0	73 7	43 0	-----	-----	65 7	45 0
30	120	34 0	82 4	50 3	80 4	42 7	67 3	57 8	-----	-----	60 6	52 0
31	116	39 9	-----	-----	73 3	48 0	79 3	50 6	-----	-----	57 7	61 7
April			May		June		July		August		September	
1	73 6	62 7	58 1	49 1	31 0	65 5	60 3	49 9	101	25 6	53 5	44 0
2	68 9	64 4	60 7	48 6	37 6	60 2	55 1	47 4	104	26 5	39 5	50 2
3	64 1	68 9	57 9	47 1	40 8	55 0	51 2	47 2	97 1	22 8	33 5	53 6
4	66 6	58 1	54 3	45 2	37 6	55 0	54 1	46 9	82 4	25 8	32 0	53 8
5	65 2	60 8	53 3	42 1	34 6	55 5	53 3	45 5	70 1	32 2	25 2	62 6
6	65 6	50 3	57 2	43 2	44 3	53 4	48 6	48 0	60 3	33 0	47 9	57 1
7	72 9	47 8	59 8	41 0	45 7	53 1	41 4	52 1	48 1	43 9	44 3	74 4
8	63 3	54 4	53 7	41 3	65 3	40 8	39 3	48 4	44 4	48 7	60 7	83 0
9	47 3	59 6	40 4	47 3	64 6	42 1	38 4	52 4	49 9	47 2	132	15 2
10	38 4	69 2	37 6	49 6	71 9	36 5	36 9	54 1	49 6	49 4	131	26 1
11	35 5	77 5	51 4	45 4	71 2	36 1	44 1	47 9	59 6	51 3	91 4	32 7
12	44 0	79 5	53 0	50 6	66 4	41 3	42 9	48 1	58 3	45 4	86 1	34 8
13	50 5	82 8	32 0	48 6	57 9	41 9	52 4	44 0	53 2	49 2	99 1	29 4
14	49 3	80 5	48 0	57 5	70 3	41 6	63 2	39 5	61 1	49 6	88 4	35 8
15	37 3	81 3	43 6	54 7	68 8	41 6	54 8	44 1	57 7	44 9	98 1	33 5
16	44 9	60 0	52 4	48 4	62 4	38 2	44 6	48 5	56 4	47 3	78 8	39 3
17	58 6	50 8	53 7	41 3	60 4	38 0	46 8	40 1	52 9	43 9	90 8	28 7
18	59 3	41 8	57 9	37 4	46 3	34 7	70 8	29 8	56 2	42 4	87 9	28 7
19	56 6	40 5	56 3	35 8	55 2	44 1	79 2	27 2	48 4	45 0	82 0	29 7
20	56 8	35 0	53 5	34 2	52 3	35 4	88 1	26 8	52 6	45 9	75 7	39 3
21	51 2	36 0	45 4	37 4	61 7	28 2	89 9	23 2	51 3	49 0	69 4	53 0
22	45 9	37 8	49 8	35 6	35 0	29 4	100	23 2	56 8	45 9	66 4	55 6
23	42 9	36 3	40 7	39 1	63 5	33 7	102	21 0	49 7	51 1	68 8	54 1
24	39 6	36 1	43 8	35 8	61 7	39 6	78 4	28 7	48 5	57 7	69 7	56 8
25	35 0	41 5	43 5	44 1	55 6	43 2	70 5	34 4	45 7	57 9	71 4	51 8
26	41 8	45 4	45 4	47 7	55 0	48 1	81 9	35 3	47 6	61 0	80 9	46 9
27	54 1	43 2	45 4	44 2	58 8	48 7	83 4	37 4	49 7	59 8	124	29 7
28	59 8	41 0	45 4	47 7	59 6	51 3	87 5	39 1	48 7	63 1	111	29 5
29	57 2	46 7	48 7	53 0	51 6	53 8	86 2	43 5	52 3	54 8	99 0	38 2
30	53 3	48 9	45 0	59 4	50 4	55 0	96 0	32 6	49 7	51 1	91 2	35 2
31	-----	-----	43 9	65 2	-----	-----	105	25 1	53 7	49 1	-----	-----

## 2-2905 5 CoraI Gables Canal at Tamiami Canal, near Coral Gables, Fla

Location --Lat 25°45'43", long 80°19'12", at intersection of secs 2, 3, 10 and 11, T 54 S, R 40 E, near center of span on upstream side of bridge on U S Highway 41, 30 ft south of Tamiami Canal, 2 miles west of Coral Gables, Dade County, 3 6 miles upstream from salinity-control dam, and 7 7 miles upstream from mouth at Biscayne Bay

Records available --August 1960 to September 1963 (discontinued)

Gage --Water-stage and deflection-meter recorder Datum of gage is 0 11 ft below mean sea level, datum of 1929

Extremes --Maximum and minimum daily discharges for the period August 1960 to September 1963 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 24, 1960	225	a 6 01	Aug 25, 1960	-75	b 2 01
1961	Nov 21, 1960	370	c 4 24	June 11, 1961	-100	d 1 95
1962	June 19, 1962	65	e 3 76	Sept 25, 27, 1962	-86	f 1 16
1963	Sept 26, 1963	g 106	h 3 80	Aug 29, 1963	-84	i 1 06

a Occurred Sept 10, 1960, from hurricane tide b Occurred Aug 24, 1960 c Occurred Jan 13, 1961

d Occurred Mar 11, 1961 e Occurred June 21, 1962 f Occurred May 31, 1962 g Estimated

h Occurred Sept 20, 1963 i Occurred May 1, 1963

Note --Negative figures indicate reverse flow to north

1960-63 Maximum daily discharge, 370 cfs Nov 21, 1960, maximum gage height, 6 01 ft  
Sept 10, 1960, from hurricane tide, maximum daily reverse flow, 100 cfs June 11, 1961, minimum gage height, 1 16 ft May 31, 1962

Remarks --Records fair Flow is affected by tidal backwater and by operation of salinity-control structures in Coral Gables and Tamiami Canals, and is frequently reversed Flow affected by earthen dam 1 7 miles downstream during the period Feb 12, 1962, to Mar 13, 1963 Discharge computed from continuous velocity record obtained from recording deflection meter

## DISCHARGE, IN CUBIC FEET PER SECOND, AUGUST TO SEPTEMBER 1960

DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT
1	-	113	6	-	119	11	-	133	16	-	106	21	-	125
2	-	140	7	-	50	12	-	135	17	-	123	22	-	132
3	-	140	8	-	32	13	-	143	18	-	118	23	-	156
4	-	143	9	-	0	14	-	138	19	-	120	24	-30	225
5	-	144	10	-	-40	15	-	124	20	-	126	25	-75	179
														31
														-8
TOTAL	..													-
MEAN														-
MAX.														-
MIN.														-
AC-FT														-

Note --Negative figures indicate reverse flow to north

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	140	230	232	-47	-40	-11	-37	-37	-78	-82	49	0
2	144	155	223	-47	-24	-11	-41	-37	-65	-73	49	-8
3	138	159	217	-46	-40	-11	-42	-38	-13	-48	33	-8
4	132	76	216	-46	-40	-22	-50	-38	-45	-49	25	-12
5	146	13	205	-46	-40	-34	-53	-42	-78	-48	20	-32
6	147	87	196	-42	-32	-38	-53	-45	-74	-24	12	-8
7	138	122	190	-42	-20	-37	-49	-25	-53	-20	40	-8
8	156	140	177	-42	-24	-40	-49	-24	-53	-8	40	-8
9	130	196	172	-43	-24	-44	-33	-25	-54	-8	24	-8
10	147	207	134	-40	-23	-36	-41	-25	-78	-21	8	-8
11	131	239	114	-40	-23	-36	-49	-8	-100	0	8	8
12	139	267	110	92	-23	-36	-41	-8	-96	8	0	8
13	143	298	94	148	-23	-37	-37	-8	-85	8	-8	0
14	142	333	113	139	-11	-37	-36	-13	-77	20	-8	8
15	135	337	82	134	-8	-37	-36	-25	-14	-20	-8	25
16	124	330	-32	103	-8	-34	-41	-41	-48	0	-8	34
17	119	341	-32	36	0	-31	-45	-20	-33	-8	19	35
18	117	340	-40	-36	12	-35	-32	-20	-41	0	60	9
19	82	339	-32	-53	19	-39	-20	-20	-41	0	13	9
20	56	349	-36	-78	11	-39	-20	-24	-40	0	8	9
21	47	370	-40	-77	8	-23	-12	-24	-44	0	4	9
22	67	357	-44	-79	8	-12	-32	-20	-40	17	9	9
23	138	323	-48	-76	8	-31	-32	-12	0	12	-35	-9
24	183	275	-48	-73	0	-43	-24	-12	-33	37	-38	0
25	188	244	-47	-64	0	-43	-20	-8	-33	8	-49	9
26	192	244	-47	-52	-22	-43	-8	0	-41	-8	-40	0
27	203	252	-47	-63	-44	-43	8	29	-8	-8	-36	-8
28	218	250	-47	-59	-47	-20	12	0	9	8	0	0
29	228	241	-47	-48	-	-12	-8	-53	-36	8	13	0
30	215	232	-39	-48	-----	-8	-20	-81	-98	33	0	0
31	189	-----	-43	-48	-----	-24	-----	-79	-----	41	0	-----
TOTAL	4,474	7,356	1,806	-685	-436	-947	-941	-783	-1,540	-225	194	55
MEAN	144	245	58 3	-22 1	-15 6	-30 5	-31 4	-25 3	-51 3	-7 3	6 3	1 8
MAX	228	370	232	148	19	-8	12	29	9	41	60	35
MIN	47	13	-48	-79	-44	-44	-53	-81	-100	-82	-49	-32
AC-FT	8,870	14,590	3,580	-1,360	-865	-1,880	-1,870	-1,550	-3,050	-446	385	109

CAL YR 1960: TOTAL - MEAN 22 8 MAX 370 MIN -100 AC-FT -  
WAT YR 1961: TOTAL 8,328 MAX 370 MIN -100 AC-FT 16,510

Note --Negative figures indicate reverse flow to north

## 2-2905 5 Coral Gables Canal at Tamiami Canal, near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0	0	-20	0	-12	0	-29	-10	-25	-26	20	0
2	0	0	-12	0	-12	0	-21	-17	-26	-27	21	-9
3	0	0	-12	0	-19	0	-11	-10	-26	-22	25	-9
4	0	0	-12	0	-19	-11	-11	-10	-29	-22	21	0
5	0	0	-12	0	-12	-7	-11	-16	-33	-21	21	0
6	0	0	-12	0	-8	-8	-11	-20	-33	-21	9	0
7	0	0	-12	0	-8	-8	-7	-27	-30	-13	-13	0
8	0	-9	-12	0	-8	-8	-18	-30	-27	-35	0	0
9	19	-13	-12	0	-8	0	-18	-34	-27	-35	0	0
10	62	-13	-8	0	-11	0	-18	-30	-20	-35	0	-13
11	9	-9	0	8	-19	8	-35	-17	-20	-36	0	-13
12	0	0	0	12	-19	11	-35	-17	-17	-40	9	-21
13	0	0	0	8	-19	11	-35	-17	-28	-53	9	-46
14	0	0	0	0	-11	0	-35	-17	-35	-47	9	-75
15	0	0	0	-12	-8	-30	-35	-20	-37	-47	-13	-42
16	0	0	0	-12	-7	-30	-35	-20	-20	-50	-21	-8
17	0	0	0	-12	1	-29	-35	-20	35	-42	-21	-49
18	0	0	0	-8	0	-29	-35	-20	54	-25	-21	-77
19	-9	0	0	0	0	-22	-34	-20	65	-33	-12	-67
20	-13	0	0	0	-7	-18	-34	-29	-37	-34	0	-61
21	-8	-13	0	0	-11	-18	-34	0	-57	0	0	-80
22	0	-8	0	0	-11	-11	-34	0	-60	-8	0	-84
23	0	-8	0	0	-7	-28	-30	0	-71	-8	0	-78
24	-13	-8	0	0	-7	-29	-27	-10	-69	-8	0	-81
25	-8	-8	0	0	-7	-32	-27	-29	-55	-8	0	-88
26	-21	-8	0	0	-7	-33	-27	-16	-42	0	0	-86
27	-8	-12	0	0	-11	-36	-27	-16	-43	8	-8	-88
28	9	-21	0	0	-11	-36	-17	-28	-42	8	-8	-79
29	0	-21	-8	-8	-8	-36	-17	-32	-39	8	-8	-78
30	0	-21	-8	-12	-----	-32	-17	-31	-26	8	0	-77
31	0	-----	-8	-12	-----	-29	-----	-31	-----	12	0	-----
TOTAL	19	-172	-148	-48	-278	-497	-750	-594	-820	-652	19	-1,309
MEAN	6	-5.7	-4.8	-1.5	-9.9	-16.0	-25.0	-19.2	-27.3	-21.0	6	-43.6
MAX	62	0	0	12	11	11	0	0	23	12	25	0
MIN	-21	-21	-20	-12	-19	-36	-35	-34	-71	-53	-21	-88
AC-FT	38	-341	-294	-95	-551	-986	-1,490	-1,180	-1,630	-1,290	38	-2,600
CAL YR 1961: TOTAL -5,609 MEAN -15.4 MAX 148 MIN -100 AC-FT -11,120												
WAT YR 1962: TOTAL -5,230 MEAN -14.3 MAX 65 MIN -88 AC-FT -10,380												

Note --Negative figures indicate reverse flow to north

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	-72	-8	-34	-25	0	25	12	0	-32	-20	-39	-48
2	-69	-13	-26	-12	0	25	8	0	-32	0	-38	-48
3	-77	-13	-13	-38	8	34	0	23	-46	12	-48	-48
4	-75	-6	-13	-34	8	25	0	33	-20	8	-45	-48
5	-74	0	-13	-25	0	25	0	21	4	20	-45	-48
6	-70	0	-13	-13	0	25	-8	12	44	34	-49	-48
7	-65	8	-13	0	0	21	12	8	72	21	-48	-45
8	-61	12	-26	0	0	25	12	12	54	8	-48	-44
9	-65	-23	-35	0	0	25	12	12	54	8	-48	-44
10	-72	-34	-39	0	13	33	12	12	71	8	-48	-63
11	-68	-13	-43	0	8	37	8	20	80	-63	-51	-46
12	-61	-26	-39	-13	17	42	8	12	67	-83	-55	-24
13	-66	-43	-39	-34	7	42	-20	12	44	-79	-55	-50
14	-50	-38	-38	-43	13	37	-32	8	26	-70	-55	-50
15	-46	-38	-34	-43	13	25	-35	8	80	-69	-55	-50
16	-43	-34	-34	-43	9	25	-35	8	76	-65	-51	-54
17	0	-5	-34	-43	9	12	-23	12	44	-64	-40	-66
18	-8	0	-34	-39	0	8	-19	0	43	-64	-40	-62
19	-12	-13	-26	-22	0	0	-11	-11	48	-63	-40	-58
20	-20	-21	-26	-9	0	0	0	-38	43	-52	-39	-51
21	-24	-26	-38	-21	0	0	0	-45	26	-48	-40	-46
22	-32	-34	-38	-26	0	8	-8	-45	0	-44	-41	0
23	-33	-34	-43	-13	0	12	-7	-34	-13	-43	-53	71
24	-38	-34	-43	0	0	12	-11	-23	-13	-47	-58	66
25	-38	-38	-26	0	0	0	0	-23	-8	-47	-51	97
26	-25	-42	-21	0	9	20	0	-23	-21	-39	-54	106
27	-13	-38	-21	0	8	24	-7	-23	-25	-39	-62	99
28	0	-34	-21	0	21	20	-7	-23	-49	-31	-78	93
29	0	-34	-21	0	-----	20	-11	-30	-52	-32	-84	86
30	0	-34	-21	0	-----	12	-7	-23	-55	-39	-73	79
31	0	-----	-21	0	-----	12	-----	-20	-----	-39	-56	-----
TOTAL	1,257	-656	-886	-522	143	627	-157	-152	550	-1,004	-1,585	-348
MEAN	-40.5	-21.9	-28.6	-16.8	5.1	20.2	-5.2	-4.9	18.3	-32.4	-51.1	-11.6
MAX	0	12	-13	0	21	42	12	33	80	34	-84	106
MIN	-77	-43	-43	-43	0	0	-35	-45	-26	-83	-84	-46
AC-FT	-2,490	-1,300	-1,760	-1,040	284	1,240	-311	-301	1,090	-1,990	-3,140	-690
CAL YR 1962: TOTAL -7,728 MEAN -21.2 MAX 65 MIN -88 AC-FT -15,330												
WAT YR 1963 TOTAL -5,247 MEAN -14.4 MAX 106 MIN -84 AC-FT -10,410												

Note --Negative figures indicate reverse flow to north

2-2905 8 Coral Gables Canal near South Miami, Fla

Location --Lat 25°42'20", long 80°15'40", in SE¼ sec 29, T 54 S, R 41 E, on south fender of center span of bridge on LeJeune Road, 1 mile upstream from mouth, 2 miles east of South Miami, Dade County, and 3 1 miles downstream from salinity dam at Red Road

Records available --February 1961 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the period February 1961 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1961	June 29, 1961	24 9	Mar 26, 1961	8 21	Mar 18, 1961	30 4	Aug 20, 1961	8 73
1962	Nov 9, 1961	31 1	May 14, 1962	9 33	Mar 8, 1962	32 4	Dec 11, 12, 1961	4 23
1963	Sept 21, 1963	33 4	Feb 18, 1963	7 08	Nov 9, 1962	28 7	Sept 26, 27, 1961	2 42
1964	June 11, 1964	34 0	Mar 8, 1964	6 83	Oct 28, 29, 1963	25 2	Oct 1, 2, 1963	3 89
1965	Sept 9, 1965	42 3	June 20, 1965	6 70	Sept 8, 1965	53 0	Dec 7, 1964	5 50

Maximum and minimum gage heights, in feet, for the period February 1961 to September 1965 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage height	Date	Gage height
1961	Sept 24, 1961	2 45	June 28, 1961	-1 16
1962	Mar 8, 1962	2 85	Jan 9, 1962	-1 21
1963	Nov 9, 1962	2 72	Feb 27, 1963	-1 58
1964	Nov 1, 1963	2 80	Jan 29, Feb 29, 1964	-1 47
1965	Sept 8, 1965	a 7 51	Mar 20, 1965	-1 54

a From hurricane tide

1961-65 Maximum daily downstream flow, 42,300,000 cu ft Sept 9, 1965, minimum daily downstream, 6,700,000 cu ft June 20, 1965, maximum daily upstream flow, 53,000,000 cu ft Sept 8, 1965, minimum daily upstream, 2,420,000 cu ft Sept 26, 27, 1963 Maximum gage height, 7 51 ft Sept 8, 1965, from hurricane tide, minimum, -1 58 ft Feb 27, 1963

Remarks --Records fair except those prior to Oct 1, 1963, and those for periods of no deflection or no gage-height record, which are poor Flow affected by tide and by regulation at upstream salinity dam Volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Flow computed from continuous velocity record obtained from recording deflection meter



2-2905 8 Coral Gables Canal near South Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, FEBRUARY TO SEPTEMBER 1961

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	October		November		December		January		February		March	
1									-	-	14 4	23 2
2									-	-	18 5	23 4
3									-	-	22 4	27 7
4									-	-	24 5	28 6
5									-	-	23 8	26 3
6									-	-	20 7	22 1
7									-	-	22 8	18 7
8									-	-	24 4	19 6
9									-	-	22 9	19 0
10									-	-	20 5	23 3
11									-	-	14 5	23 3
12									-	-	14 9	24 7
13									-	-	18 9	23 8
14									-	-	20 7	25 8
15									-	-	21 9	26 4
16									-	-	20 0	29 5
17									-	-	23 8	27 8
18									-	-	24 8	30 4
19									-	-	23 8	24 8
20									-	-	19 3	21 3
21									-	-	18 0	19 9
22									-	-	16 8	22 9
23									-	-	16 6	19 8
24									-	-	14 6	21 2
25									12 7	21 1	10 6	21 3
26									13 0	21 3	8 21	26 3
27									13 8	22 2	10 8	24 6
28									14 7	21 9	15 5	21 6
29									-----	-----	15 8	20 3
30									-----	-----	16 5	21 9
31									-----	-----	15 0	26 4
	April		May		June		July		August		September	
1	20 6	22 1	18 3	23 2	23 4	20 6	23 2	17 8	19 0	22 5	12 5	13 4
2	20 2	21 6	21 5	19 5	23 8	17 5	23 8	14 2	20 1	19 4	13 0	14 3
3	20 3	24 6	21 9	18 7	23 6	17 4	23 8	13 5	15 0	18 7	13 4	13 0
4	20 6	22 8	19 5	19 5	22 6	20 5	21 2	15 6	13 2	21 9	13 8	13 0
5	18 9	21 6	17 5	20 0	21 2	19 7	20 5	17 0	13 3	23 6	13 8	13 8
6	19 6	18 8	18 2	22 1	21 4	20 7	18 5	16 9	11 4	23 0	13 0	13 8
7	17 5	18 5	16 8	20 6	19 7	21 8	16 5	19 0	11 4	26 0	13 0	14 7
8	14 0	25 8	17 5	20 0	17 1	21 8	16 2	19 4	11 5	24 6	12 1	14 7
9	16 2	23 2	16 0	26 5	19 3	25 1	15 6	17 9	16 4	25 9	12 1	15 6
10	18 9	25 3	16 8	28 1	23 8	19 9	14 9	18 5	15 6	25 1	11 2	15 6
11	17 9	24 9	16 5	24 8	24 6	18 1	18 2	19 4	13 0	22 9	11 2	16 4
12	16 9	27 7	21 5	22 4	22 7	18 1	18 9	18 0	11 2	21 6	12 1	15 6
13	21 1	24 7	20 6	20 6	21 5	18 8	18 1	15 8	13 8	15 1	12 5	14 7
14	21 5	25 3	20 0	22 9	21 5	17 5	19 6	14 9	13 4	15 1	13 0	13 8
15	20 8	28 9	19 8	24 7	20 7	17 1	15 4	19 1	12 9	10 7	13 8	13 0
16	20 6	24 2	20 0	20 0	21 3	14 3	14 5	20 2	11 7	10 7	17 3	13 0
17	21 8	22 6	20 4	19 8	20 3	19 5	11 8	15 2	11 6	9 94	19 9	12 1
18	22 9	20 0	16 6	18 4	18 8	21 6	16 2	15 7	13 5	9 94	19 0	14 7
19	16 8	22 2	18 1	21 3	17 9	18 2	15 6	15 7	10 5	10 9	15 6	15 1
20	14 7	22 1	10 5	24 7	15 6	15 8	14 9	18 7	11 8	8 73	15 6	15 6
21	12 0	22 8	10 7	23 8	14 6	16 8	13 5	21 3	12 3	10 7	15 1	15 6
22	14 3	22 4	10 0	20 6	16 2	20 1	15 3	21 9	14 7	9 16	15 1	16 0
23	14 1	21 3	13 9	20 5	18 4	18 9	13 0	23 0	13 8	13 4	15 1	16 0
24	10 9	21 2	16 2	17 1	14 6	24 2	11 9	24 1	13 0	13 4	15 1	16 0
25	11 5	21 2	15 6	19 3	18 4	19 6	16 6	19 8	12 5	13 8	13 8	15 6
26	14 1	20 6	13 0	24 6	20 0	17 8	20 9	19 4	13 0	12 5	13 8	16 4
27	16 2	20 7	22 0	19 3	21 3	22 1	21 0	22 5	13 0	12 5	13 0	16 4
28	16 4	22 4	22 9	16 7	24 7	16 8	21 7	23 2	13 4	11 7	14 3	15 6
29	16 1	24 9	23 4	18 7	24 9	19 0	22 5	23 4	12 5	13 0	14 3	15 1
30	17 5	23 0	23 9	20 7	24 2	19 0	20 9	22 4	11 7	13 4	14 7	15 1
31	-----	-----	23 1	24 8	-----	-----	21 1	23 2	10 8	14 3	-----	-----

Note --Doubtful or no deflection record Aug 23 to Sept 30

## 2-2905 8 Coral Gables Canal near South Miami, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	October		November		December		January		February		March	
1	21 9	16 8	26 4	17 3	14 1	10 1	15 4	14 9	15 3	24 0	12 9	19 9
2	18 7	25 9	25 9	19 0	15 7	9 85	16 6	17 6	17 9	21 9	13 7	23 1
3	24 1	21 3	24 6	19 9	14 4	9 07	16 0	14 3	20 2	23 0	14 8	26 0
4	22 3	23 8	25 9	18 6	19 4	8 38	19 5	16 0	21 7	23 2	18 7	29 1
5	20 9	27 0	26 8	18 6	23 8	6 74	19 1	14 8	21 5	25 2	22 4	27 0
6	23 0	25 4	26 8	19 0	25 0	7 43	21 8	24 7	24 1	26 0	25 8	25 6
7	22 9	24 5	27 6	18 1	24 9	8 64	21 0	25 3	24 8	22 6	22 4	29 2
8	22 7	23 6	30 2	17 7	22 9	10 1	23 2	24 3	25 3	19 5	24 3	32 4
9	23 1	23 2	31 1	15 1	23 9	7 34	24 5	23 7	22 3	19 9	23 6	31 1
10	26 7	23 3	30 2	14 7	24 4	6 57	22 4	20 5	19 6	18 9	23 2	30 3
11	25 8	21 6	29 4	14 7	26 3	4 23	22 9	22 5	17 7	19 5	21 2	27 5
12	25 6	21 4	29 4	15 6	25 0	4 23	21 4	23 0	16 7	21 3	21 3	21 2
13	26 4	20 6	28 5	15 6	24 8	5 82	17 3	24 6	13 8	22 6	22 2	18 7
14	27 1	20 7	27 6	16 0	20 4	9 15	16 2	23 1	14 6	24 2	17 4	19 2
15	28 5	22 0	25 9	15 6	22 5	6 39	19 2	24 0	15 8	21 9	16 7	21 3
16	25 9	21 6	27 6	14 3	19 2	8 04	18 4	25 2	17 8	22 6	15 6	20 7
17	23 6	21 6	28 5	16 0	16 6	8 81	18 3	24 4	18 4	21 1	15 5	21 4
18	25 1	20 7	29 4	17 7	11 8	8 04	18 6	24 7	17 5	20 0	15 5	23 4
19	27 6	21 2	30 2	19 4	15 2	1 05	18 7	22 8	19 4	19 3	18 4	22 6
20	27 2	21 6	29 1	20 2	21 5	8 38	20 8	21 6	19 5	20 1	17 3	24 3
21	25 1	20 7	25 6	11 9	23 1	9 16	17 8	24 5	18 4	17 6	18 7	23 6
22	24 2	21 6	27 7	14 1	19 8	11 7	19 0	21 6	17 3	17 6	20 5	23 3
23	22 5	22 0	25 8	12 4	21 1	15 3	20 6	20 0	17 8	16 2	18 7	23 0
24	21 2	22 9	27 0	13 4	21 5	13 3	20 0	18 6	18 5	15 7	13 8	26 7
25	20 7	23 3	26 8	13 3	20 3	14 0	18 1	18 6	16 2	15 9	17 2	23 5
26	20 3	23 8	28 3	6 85	22 2	15 5	15 0	16 6	10 2	16 9	20 0	20 6
27	23 3	21 2	24 2	7 43	20 9	15 2	13 8	18 1	12 9	17 8	17 6	20 9
28	25 9	19 0	20 6	13 7	20 8	13 5	15 9	16 2	14 7	16 2	16 3	20 2
29	26 4	19 9	13 9	8 47	18 1	15 2	13 6	19 8	-----	-----	13 3	19 9
30	26 8	18 1	14 1	9 33	16 2	15 3	14 3	21 3	-----	-----	17 6	19 5
31	29 4	17 7	-----	-----	13 7	19 4	13 8	22 2	-----	-----	16 2	19 4
	April		May		June		July		August		September	
1	20 0	20 6	22 5	24 1	21 6	24 5	23 2	19 7	18 6	19 2	18 7	20 0
2	21 3	21 4	21 6	23 2	21 4	22 2	22 5	14 3	19 3	18 4	17 8	19 7
3	20 8	22 3	23 4	22 4	22 5	19 7	22 4	21 8	19 1	18 3	18 4	18 8
4	22 0	23 7	23 7	23 9	22 1	18 0	21 3	22 7	18 0	19 2	18 8	17 8
5	22 6	26 4	24 5	24 1	21 0	16 7	22 8	19 3	14 7	17 0	17 4	18 5
6	24 8	20 9	21 8	24 1	19 6	18 1	23 7	13 0	15 3	16 9	15 9	17 6
7	23 1	17 0	21 9	21 9	18 8	18 0	21 7	12 0	13 5	17 8	16 6	16 8
8	23 3	15 3	21 4	20 0	15 5	17 8	20 5	14 9	13 0	18 7	15 0	13 0
9	22 3	16 4	19 2	17 5	15 6	18 1	16 9	15 1	13 0	18 1	14 6	18 3
10	20 3	13 7	17 3	19 8	16 0	18 4	18 8	14 4	14 5	18 2	16 2	21 7
11	18 1	14 4	15 8	17 5	13 5	17 8	17 6	15 1	15 2	13 1	18 8	23 2
12	16 2	14 4	15 1	20 3	14 8	17 8	17 5	16 5	17 1	16 8	21 7	23 9
13	15 4	15 6	13 1	21 1	13 8	18 2	19 4	17 9	16 2	22 3	23 8	20 9
14	13 1	18 7	9 33	24 4	17 4	16 3	20 0	17 8	21 1	20 4	25 5	24 4
15	15 7	17 4	11 0	22 8	21 7	14 1	20 7	20 0	21 9	20 6	26 4	20 6
16	15 1	16 1	16 2	22 5	23 2	14 2	21 3	19 2	23 3	19 9	26 6	23 4
17	16 3	18 7	16 5	24 4	23 8	16 3	19 9	20 6	23 3	21 4	28 3	14 9
18	17 3	19 8	17 1	25 1	23 8	15 7	19 6	20 2	24 5	22 6	26 5	17 5
19	18 7	22 0	18 7	23 8	22 6	20 6	21 8	18 2	24 5	19 6	25 3	18 4
20	19 4	21 4	19 9	21 9	24 3	17 9	21 7	17 5	22 6	15 9	23 6	14 9
21	19 2	21 3	19 9	21 9	25 3	16 2	22 6	19 1	22 6	18 1	21 8	20 3
22	17 0	21 0	19 9	21 3	26 8	15 2	22 7	18 5	22 2	15 6	24 4	14 9
23	21 0	14 8	19 9	19 7	27 0	13 0	23 1	16 8	21 3	14 0	21 4	11 8
24	18 5	16 9	19 2	18 3	25 7	13 1	21 4	15 1	17 4	14 1	20 1	14 6
25	16 2	18 0	16 8	17 2	24 4	13 8	20 6	15 7	16 7	12 5	19 9	18 8
26	19 4	16 5	16 9	18 0	23 1	14 6	19 4	17 2	18 5	16 8	24 8	18 1
27	17 3	16 9	16 7	20 6	23 5	15 6	15 6	16 5	17 0	15 2	23 9	14 0
28	15 6	18 7	16 8	21 6	21 1	18 1	17 0	21 7	19 1	18 1	26 0	14 3
29	17 0	21 0	18 8	23 1	22 6	19 0	20 2	17 3	20 1	25 2	23 2	15 1
30	17 2	22 6	18 8	26 8	23 5	19 1	18 8	19 4	19 0	24 0	23 7	12 7
31	-----	-----	21 0	26 2	-----	-----	19 4	19 4	18 6	20 5	-----	-----

Note --Doubtful or no deflection record Oct 1 to Nov 20

## 2-2905 8 Coral Gables Canal near South Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963											
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream
October		November		December		January		February		March	
1	22 8	7 43	20 1	14 6	21 4	20 6	20 9	17 9	21 0	14 1	19 8
2	23 5	5 86	20 0	19 4	21 4	18 9	20 5	18 9	19 7	16 4	21 2
3	23 4	5 88	16 6	21 3	22 1	18 1	20 5	18 9	17 5	17 1	19 7
4	20 4	8 21	17 7	20 4	20 6	19 6	20 4	19 6	22 4	17 5	14 4
5	17 2	8 38	14 3	17 4	20 5	20 3	18 6	21 3	18 7	18 5	14 9
6	16 5	9 85	17 1	17 5	22 0	19 8	18 6	20 6	20 0	18 0	17 0
7	17 9	12 2	18 2	15 5	22 6	21 2	21 3	23 5	21 3	18 5	18 2
8	19 4	12 3	18 4	15 6	21 3	22 9	23 3	22 7	21 8	15 3	18 3
9	20 0	14 5	26 6	26 7	24 6	20 5	22 9	19 4	20 5	16 8	18 7
10	19 4	14 6	25 3	15 5	25 1	15 3	21 3	19 2	20 6	17 6	19 3
11	23 8	10 8	26 2	21 5	25 1	13 1	21 4	18 5	21 9	12 4	18 8
12	23 7	13 8	26 4	19 4	23 4	13 7	21 3	15 5	22 8	13 7	18 2
13	23 7	17 7	27 7	18 7	22 9	12 7	21 8	14 6	21 5	18 2	20 0
14	26 9	19 0	27 8	19 4	21 4	12 9	21 9	12 8	20 4	10 3	18 6
15	24 3	17 6	28 4	15 7	21 3	14 0	19 8	13 4	16 7	11 6	15 0
16	25 3	19 7	27 0	15 6	20 1	14 1	16 6	14 1	14 9	14 4	13 5
17	24 1	17 5	20 5	17 4	19 9	13 9	10 5	15 2	15 1	17 4	15 6
18	19 1	21 1	18 2	19 4	18 1	13 7	11 1	16 5	7 08	22 0	14 0
19	15 9	26 4	20 4	15 2	15 5	13 8	11 1	18 0	12 1	16 8	11 2
20	15 3	18 5	15 7	15 9	14 7	12 7	11 1	17 3	16 0	16 3	11 9
21	15 8	13 5	16 4	16 0	11 1	18 7	15 8	16 8	15 6	21 3	13 9
22	16 2	14 0	19 9	17 0	14 3	18 7	14 7	18 3	18 3	22 3	15 8
23	16 1	17 8	19 7	16 8	16 9	15 1	16 8	16 4	18 6	21 9	15 6
24	18 1	19 1	17 4	18 5	15 1	22 5	18 7	18 6	23 2	20 6	19 8
25	15 7	19 7	20 4	16 2	17 7	19 6	18 0	19 2	23 3	19 5	21 3
26	16 6	20 6	20 4	18 3	19 4	17 1	21 1	16 0	24 5	16 0	24 4
27	16 2	20 9	19 5	23 1	20 5	16 3	23 2	16 4	25 1	16 2	25 1
28	16 3	19 6	21 3	19 8	19 3	17 0	23 2	12 8	22 1	13 9	22 5
29	19 6	15 5	22 6	22 6	21 0	14 5	20 9	15 1	-----	-----	24 5
30	18 9	17 0	23 4	18 7	21 1	13 8	22 1	11 5	-----	-----	22 3
31	18 3	14 8	-----	-----	22 2	15 6	21 7	12 0	-----	-----	19 4
April		May		June		July		August		September	
1	16 3	19 5	14 3	16 5	15 3	18 3	16 1	15 6	14 3	16 7	16 8
2	13 5	14 3	11 0	19 2	16 4	20 3	16 2	14 3	15 5	17 6	19 4
3	11 7	14 3	21 0	12 4	17 0	18 1	15 6	18 0	16 7	17 8	19 0
4	12 9	17 8	20 4	16 7	18 7	19 2	17 5	20 0	16 4	18 8	21 8
5	16 2	20 1	19 2	20 5	18 5	20 5	16 8	21 5	17 8	19 7	23 2
6	16 0	19 9	20 0	18 4	21 4	16 5	17 1	22 6	20 0	17 2	22 6
7	16 8	18 6	20 5	17 5	21 2	18 4	19 4	21 4	20 6	16 4	21 1
8	16 4	20 3	21 0	16 0	19 9	16 3	20 0	19 2	21 3	17 9	21 5
9	19 5	20 2	20 4	16 0	21 2	16 3	20 6	22 0	22 1	16 6	21 3
10	17 5	19 3	21 4	13 7	21 4	13 9	20 6	20 6	20 7	16 4	21 9
11	18 4	21 1	21 4	19 4	20 1	13 2	20 0	17 6	20 6	16 3	22 7
12	18 8	20 1	19 0	19 6	20 0	14 5	21 8	16 0	19 1	15 6	16 6
13	17 4	19 9	18 5	16 1	20 3	16 2	19 8	16 8	19 1	16 2	15 9
14	15 4	19 1	17 3	16 2	20 2	13 9	19 8	15 3	17 8	19 7	16 5
15	15 9	16 9	18 0	14 8	19 9	15 8	18 0	15 5	16 4	18 8	19 4
16	13 5	17 1	18 0	14 7	19 4	18 0	18 6	19 0	17 7	20 2	21 2
17	11 7	18 6	17 4	18 5	19 4	18 7	19 8	16 8	17 8	17 5	20 9
18	16 1	17 1	19 3	15 4	19 4	18 7	18 6	13 2	16 1	19 9	20 2
19	15 8	15 4	18 5	19 0	19 4	15 9	18 0	17 7	19 0	13 7	20 4
20	19 9	18 1	19 0	16 1	19 1	14 8	21 7	13 8	19 3	19 1	29 6
21	16 2	17 1	23 0	16 7	20 6	16 4	19 8	18 9	21 7	15 3	33 4
22	19 3	19 3	24 1	14 4	21 1	16 2	20 8	18 6	20 6	14 3	30 1
23	21 2	17 9	23 4	17 3	20 5	16 3	21 9	16 2	20 1	18 0	29 7
24	21 1	20 6	23 8	15 3	19 9	13 5	21 9	14 7	17 8	16 9	26 9
25	21 3	21 5	23 1	14 6	21 2	13 5	18 0	16 9	14 6	17 5	27 1
26	20 2	19 6	24 0	13 3	21 3	13 5	16 1	16 3	14 4	15 9	31 2
27	20 2	17 5	21 9	11 8	20 5	14 9	16 6	14 7	10 5	15 1	30 8
28	18 8	14 6	17 5	14 2	18 2	16 5	15 2	19 0	9 16	21 0	29 9
29	16 3	15 9	19 5	14 9	16 8	17 2	15 1	16 0	9 85	20 4	27 6
30	17 4	14 4	16 8	17 7	16 8	17 1	13 0	18 0	10 1	23 1	26 9
31	-----	-----	18 7	17 6	-----	-----	13 0	18 1	12 2	19 4	-----

## 2-2905 8 Coral Gables Canal near South Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	26 5	3 89	24 5	19 9	21 2	18 4	25 7	6 05	22 3	13 0	20 5	11 0
2	26 7	3 89	25 8	22 4	21 5	16 2	24 0	14 6	19 7	13 7	19 9	12 4
3	26 7	4 67	25 8	20 0	20 8	16 8	22 1	17 0	17 7	13 2	19 7	10 9
4	27 4	5 44	25 1	13 9	21 5	14 7	20 1	16 0	12 9	14 3	15 6	11 8
5	27 5	5 44	23 7	17 7	21 3	15 3	18 3	15 3	12 9	13 5	16 8	10 7
6	28 0	6 39	23 4	21 3	18 3	16 8	16 4	13 9	13 7	11 8	13 2	10 6
7	28 5	6 48	21 1	18 1	18 6	15 6	16 3	13 9	11 1	12 4	9 85	14 9
8	28 6	6 48	20 4	17 2	13 0	20 0	15 5	15 7	14 3	11 2	6 83	18 6
9	29 0	7 26	17 5	19 4	15 9	19 7	12 6	13 2	14 2	11 8	11 4	18 2
10	28 4	7 86	14 3	23 5	15 2	18 2	16 8	13 7	15 2	12 8	14 8	14 9
11	24 9	9 42	16 9	23 2	15 2	19 5	12 9	15 6	19 6	12 2	16 3	15 4
12	24 6	9 33	16 3	23 4	15 2	19 6	17 6	15 9	17 0	15 5	17 5	15 3
13	24 8	11 0	16 8	22 3	16 8	20 8	18 7	14 5	18 6	14 3	18 5	16 3
14	25 7	11 1	16 1	22 3	16 9	18 7	19 1	14 3	19 9	15 1	18 2	17 4
15	26 4	11 8	17 5	22 2	16 6	19 7	16 8	15 1	20 0	15 2	20 0	14 5
16	27 8	13 4	16 6	22 9	16 1	19 2	16 8	15 8	21 8	13 7	21 1	15 7
17	28 7	12 7	17 5	22 5	15 0	21 6	20 7	15 7	22 1	13 9	21 4	16 0
18	29 3	11 8	17 5	19 2	18 1	20 5	20 3	14 8	20 6	14 9	20 5	16 3
19	26 4	13 4	18 5	17 5	18 5	16 9	20 8	13 9	21 0	13 0	17 6	16 6
20	25 9	14 3	17 1	16 7	19 5	18 7	20 9	14 0	20 4	11 9	18 7	15 6
21	22 3	11 9	16 3	15 7	17 0	20 2	20 3	12 3	16 7	13 8	19 6	15 4
22	22 7	11 0	13 1	17 0	16 4	17 4	19 4	13 8	17 6	16 0	15 1	18 8
23	19 4	15 1	16 2	17 9	17 4	16 4	17 9	15 6	16 8	15 9	14 3	17 9
24	14 4	18 4	16 1	19 3	18 5	16 4	17 3	14 9	17 5	14 6	15 6	18 0
25	18 1	17 5	15 6	19 6	16 2	19 3	18 4	14 8	18 9	14 9	16 2	16 6
26	14 4	20 7	17 9	23 5	18 1	23 5	18 9	16 0	19 6	16 2	18 8	18 0
27	16 2	23 5	19 1	22 6	19 4	22 9	20 9	13 3	19 5	16 0	19 1	15 5
28	21 3	25 2	19 5	24 6	18 3	23 2	23 3	13 2	23 4	13 0	19 2	16 2
29	22 1	25 2	24 7	20 0	21 0	21 7	22 5	14 4	20 0	13 4	20 9	16 1
30	22 9	24 5	22 6	17 1	21 3	22 0	22 9	13 4	-----	-----	19 9	14 4
31	24 5	23 1	-----	-----	25 6	15 2	22 9	11 9	-----	-----	19 4	13 8
April			May		June		July		August		September	
1	18 1	13 8	17 9	14 2	17 9	12 7	16 8	14 3	18 1	15 7	26 3	5 01
2	13 6	15 7	13 0	14 3	17 1	14 0	16 8	15 7	18 0	15 6	20 0	6 39
3	14 1	14 9	13 7	15 8	14 8	17 0	17 5	15 0	18 7	15 7	19 6	9 42
4	13 3	14 8	9 33	16 9	15 8	18 2	16 6	15 6	18 8	15 8	21 0	9 42
5	9 50	16 1	7 52	20 5	20 3	15 2	18 4	15 4	21 4	13 0	21 2	15 1
6	10 3	16 3	12 6	19 4	22 8	12 3	17 6	16 7	21 4	13 0	22 2	16 8
7	12 5	15 2	17 9	18 2	25 7	10 7	20 2	17 5	21 4	13 0	23 5	16 8
8	13 1	15 9	19 1	17 4	29 4	8 64	20 7	14 6	22 0	13 0	23 5	16 1
9	16 8	17 3	19 8	18 1	31 1	8 68	21 9	15 2	18 2	16 8	22 6	15 7
10	18 8	16 0	21 9	17 6	31 4	7 43	22 3	14 4	20 0	14 0	22 6	8 81
11	18 9	18 1	21 9	17 6	34 0	7 34	22 6	13 5	20 0	13 3	19 0	14 5
12	20 6	18 5	22 2	17 4	31 4	7 34	20 6	14 1	19 9	12 4	14 5	14 6
13	21 9	19 2	22 1	17 3	31 0	8 04	17 3	12 3	19 6	9 42	20 8	8 64
14	22 5	15 6	24 6	14 3	28 8	8 64	16 2	13 1	15 6	10 8	9 76	13 7
15	22 1	14 7	25 2	15 0	27 6	10 1	13 5	15 6	14 9	13 7	9 94	10 3
16	19 3	14 2	23 8	13 5	25 3	10 0	12 4	15 8	17 9	12 0	13 3	13 3
17	18 9	12 3	21 3	14 3	24 0	12 2	13 6	12 9	22 4	6 13	12 8	15 6
18	19 2	10 6	20 1	14 3	19 5	13 0	12 9	16 3	15 1	10 5	13 7	19 0
19	13 7	14 4	18 5	16 1	18 4	12 7	10 9	16 2	13 9	12 5	18 5	21 9
20	16 4	15 2	21 3	14 0	17 7	15 4	11 7	14 3	16 9	11 1	20 9	20 8
21	16 1	14 9	20 6	13 3	16 5	14 7	12 3	12 8	18 7	9 68	22 0	21 3
22	16 5	14 8	19 5	15 6	16 4	14 7	13 5	14 2	19 8	13 4	22 7	21 3
23	17 2	16 2	19 8	16 5	17 2	14 8	14 2	17 0	19 6	12 5	23 2	21 8
24	17 5	15 9	22 0	15 6	16 2	16 4	13 1	16 6	22 3	12 7	25 7	16 2
25	18 6	18 4	21 2	15 4	18 8	13 7	16 2	17 2	21 3	12 1	25 0	17 1
26	16 8	17 1	20 8	15 8	17 4	14 3	16 4	16 7	16 7	17 0	22 9	16 3
27	17 5	17 2	20 8	15 1	18 1	14 3	16 5	15 4	29 4	7 95	19 5	17 9
28	18 1	15 7	21 7	14 8	16 8	14 9	16 9	15 8	27 6	6 39	16 2	19 4
29	17 5	14 3	19 1	16 2	16 7	12 8	16 3	15 9	24 2	10 5	18 8	16 2
30	17 5	14 3	17 9	15 6	16 1	13 5	16 2	14 3	21 7	10 5	21 6	17 1
31	-----	-----	16 6	15 6	-----	-----	15 5	15 6	22 2	9 42	-----	-----

## 2-2905 8 Coral Gables Canal near South Miami, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965													
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	
	October		November		December		January		February		March		
1	21 6	17 1	26 4	16 8	19 4	17 2	20 2	15 1	22 3	14 8	17 8	14 1	
2	21 6	16 4	26 8	19 4	18 7	13 3	23 2	14 2	21 4	14 8	22 3	14 1	
3	20 0	16 2	26 9	19 5	20 0	17 7	22 6	15 2	21 9	13 8	21 0	14 8	
4	21 7	14 5	25 0	19 7	20 8	13 7	19 7	16 0	20 8	17 5	25 4	13 3	
5	22 8	17 3	25 2	18 6	24 0	11 2	21 8	15 3	22 4	15 6	26 8	13 7	
6	21 9	17 5	27 5	13 7	29 4	7 4	23 1	14 6	19 9	16 1	25 2	12 3	
7	22 6	19 2	24 5	14 3	28 0	5 5	24 1	14 8	23 3	12 2	25 5	12 4	
8	22 6	18 1	24 0	12 5	25 7	8 3	22 7	14 8	26 2	8 7	24 0	12 3	
9	21 5	17 6	21 2	12 4	20 6	11 4	23 8	12 4	18 2	14 6	22 7	12 2	
10	21 3	18 2	17 9	13 9	16 7	14 8	22 4	12 7	20 2	13 2	20 7	13 7	
11	20 8	16 8	15 9	12 4	18 1	15 6	21 2	12 8	19 8	15 6	21 9	13 1	
12	14 9	14 9	16 6	12 5	18 9	13 0	21 8	16 2	18 6	14 9	20 0	13 0	
13	14 0	12 4	17 0	12 3	19 9	14 9	21 8	16 2	21 7	15 6	20 8	13 9	
14	16 6	16 8	19 2	14 6	20 4	14 8	22 4	16 2	21 9	17 1	21 3	14 6	
15	25 1	9 8	18 7	16 2	19 8	18 4	23 8	17 1	23 6	18 3	22 9	14 8	
16	18 8	11 1	20 9	15 2	21 4	18 5	25 8	16 4	24 2	18 8	24 8	14 1	
17	19 5	16 3	22 8	15 8	23 3	16 9	24 3	16 5	25 0	18 1	23 8	13 5	
18	20 4	20 3	22 5	17 5	26 3	14 9	26 4	15 7	26 4	15 7	25 1	11 1	
19	23 9	18 1	20 7	22 1	21 9	18 3	27 8	15 0	25 8	17 1	25 0	11 4	
20	25 3	17 6	26 2	19 0	25 8	14 3	28 6	15 1	24 7	15 8	23 9	9 8	
21	22 7	18 5	24 8	19 3	25 3	16 2	27 2	13 7	22 6	14 7	21 3	10 7	
22	24 6	18 9	23 5	20 7	26 3	14 9	20 0	14 9	21 8	14 2	19 5	12 5	
23	24 7	16 7	22 5	17 4	24 8	15 9	21 9	12 1	17 1	15 3	20 6	11 1	
24	25 4	14 8	24 3	16 4	24 1	15 6	19 4	9 7	18 2	13 7	18 1	11 0	
25	24 6	15 5	23 6	15 6	24 3	13 7	19 7	12 2	20 2	10 1	16 8	11 0	
26	23 0	11 1	23 1	15 3	21 5	13 7	20 8	8 8	16 3	11 4	15 6	12 4	
27	21 3	15 9	19 9	17 5	24 8	11 9	18 5	12 3	16 2	11 2	13 4	14 2	
28	20 9	17 6	22 6	15 4	22 9	16 2	13 5	11 5	17 9	13 7	16 6	12 2	
29	25 8	15 0	21 8	14 9	22 1	15 4	15 6	15 1	-----	-----	17 0	14 8	
30	25 3	15 1	20 0	8 6	21 5	15 4	19 5	16 0	-----	-----	18 3	12 8	
31	27 3	15 1	-----	-----	20 6	16 4	21 4	16 0	-----	-----	19 3	14 4	
	April		May		June		July		August		September		
1	21 7	16 2	22 8	14 4	14 0	15 6	25 1	16 3	24 5	15 7	21 1	19 7	
2	21 6	15 5	22 6	13 6	17 2	13 9	27 2	12 2	25 1	14 3	15 4	22 2	
3	23 6	16 2	23 8	11 4	17 2	13 1	26 3	13 0	22 6	15 6	13 0	25 9	
4	23 6	14 1	23 3	8 6	12 6	13 9	21 6	15 2	19 9	15 6	13 9	25 4	
5	24 7	13 3	23 0	6 6	12 1	15 6	24 8	14 4	21 3	17 1	10 5	27 7	
6	23 4	11 1	20 6	6 4	11 4	15 6	21 6	14 4	16 9	19 4	11 8	27 6	
7	24 3	11 7	19 6	9 1	10 6	15 4	20 4	16 0	16 5	21 9	10 3	35 7	
8	22 9	11 0	17 2	9 8	15 8	15 3	19 2	16 8	16 0	22 8	33 9	53 0	
9	19 7	13 3	17 6	11 5	14 4	15 2	19 8	16 8	16 8	22 9	42 3	13 1	
10	17 8	14 6	19 3	11 8	13 7	14 3	19 8	14 6	18 0	23 5	30 2	17 5	
11	17 5	16 3	20 0	10 0	14 0	12 7	18 3	16 7	20 6	22 0	26 7	20 2	
12	21 3	17 7	20 7	9 3	12 1	15 6	20 2	16 6	19 9	21 2	27 0	19 9	
13	24 5	14 6	21 3	9 9	11 7	15 7	20 0	14 3	20 0	21 3	26 7	15 1	
14	23 9	16 9	21 4	9 3	13 0	15 7	22 3	14 1	22 0	22 1	22 7	22 8	
15	24 6	16 6	19 0	10 1	11 6	15 7	21 8	16 9	21 9	20 6	23 3	19 7	
16	22 4	15 3	20 0	10 7	12 9	11 4	19 9	14 9	19 3	22 0	22 5	18 8	
17	20 7	15 7	21 7	7 8	13 4	12 0	21 9	14 3	19 2	21 9	20 9	19 4	
18	19 1	14 1	19 5	7 7	8 3	14 2	20 7	13 6	18 9	19 5	19 5	19 4	
19	17 8	13 3	18 1	6 9	9 2	15 2	21 3	10 7	16 4	22 6	18 8	20 0	
20	15 8	10 5	17 0	7 0	6 7	16 2	20 8	13 0	16 6	21 3	18 8	20 8	
21	15 1	13 2	13 9	7 0	7 3	15 3	21 3	11 4	17 3	22 0	18 7	23 7	
22	14 1	13 5	13 2	6 9	11 6	13 5	22 8	10 8	19 0	21 0	21 6	23 2	
23	10 9	17 0	11 9	6 9	17 2	14 1	21 3	13 6	18 9	23 8	23 6	22 2	
24	12 7	12 7	12 4	6 9	19 2	14 2	20 8	15 8	19 9	23 4	22 6	16 6	
25	11 6	14 3	13 8	6 2	21 9	12 1	20 0	15 0	21 4	24 5	30 7		
26	15 6	17 3	15 8	7 0	23 2	12 1	22 6	14 3	23 5	23 8	31 8	20 2	
27	17 3	11 3	14 5	9 1	21 9	12 8	24 5	13 7	24 2	24 5	31 4	18 5	
28	18 9	12 4	11 4	14 0	21 9	14 2	24 1	16 6	23 0	24 6	31 1	16 1	
29	19 7	13 4	12 8	14 9	23 2	16 3	26 3	16 0	24 1	22 2	27 3	16 2	
30	19 4	12 9	13 7	15 8	24 9	16 8	24 5	14 9	22 1	22 3	24 7	18 2	
31	-----	-----	15 2	16 1	-----	-----	26 4	17 1	21 3	20 6	-----	-----	

Note --No gage-height and/or deflection record June 22 to Aug 5

## 2-2906 Snapper Creek Canal near Coral Gables, Fla

Location --Lat 25°45'40", long 80°23'05", in NE<sup>1</sup>/<sub>4</sub> sec 1, T 54 S, R 39 E, on downstream side of center span of the north bridge on U S Highway 41, 100 ft south of Tamiami Canal, 6 miles west of Coral Gables, Dade County, 11 4 miles upstream from salinity-control structure 22, and 12 8 miles upstream from mouth

Records available --December 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --5 years, 39 7 cfs (28,740 acre-ft per year)

Extremes --Maximum and minimum discharges for the period December 1959 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Apr 26 1960	474	a 6 74	Sept 10 1960	b -780	c 2 91
1961	Jan 12, 1961	401	d 5 40	Jan 12, 1961	-79	e 2 53
1962	July 10, 1962	429	f 4 41	July 1, 1962	-78	g 1 30
1963	Sept 22, 1963	298	h 4 37	July 1, 1963	-38	i 2 23
1964	Sept 24, 1964	224	j 5 44	Apr 8, 1964	-7	k 2 30
1965	Dec 5, 1964	263	m 5 22	Mar 2, 1965	-35	n 2 03

a Occurred Sept 10, 1960 b Caused by hurricane tide c Occurred May 25-27, 1960 d Occurred Jan 13, 1961 e Occurred May 24, 1961 f Occurred Sept 24, 1962 g Occurred June 1, 1962 h Occurred Sept 25, 1963 i Occurred May 2, 3, 1963 j Occurred June 9, 1964 k Occurred Apr 28, 1964 m Occurred Sept 8, 1965 n Occurred June 7, 1965

Note --Negative figures indicate reverse flow to north

1959-65 Maximum discharge, 474 cfs Apr 26, 1960, maximum gage height, 6 74 ft Sept 10, 1960, maximum reverse flow, 780 cfs Sept 10, 1960, caused by hurricane tide, minimum gage height, 1 30 ft June 1, 1962

Remarks --Records good prior to Oct 1, 1962, and fair thereafter except those for period of doubtful deflection record, which are poor Flow is regulated by operation of control structure 22, 11 4 miles downstream, and affected by operation of salinity barrier T-3 in Tamiami Canal Flow is normally to the south, but because of regulation, is frequently reversed Discharge computed from continuous velocity record obtained from recording deflection meter

## DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1959 TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			-	113	82	82	29	124	21	24	47	98
2			-	113	79	77	21	111	20	23	43	93
3			-	112	82	74	19	90	34	32	51	75
4			290	105	82	76	18	69	37	39	68	79
5			261	111	86	70	24	49	34	34	79	84
6			219	103	96	65	22	36	40	36	106	96
7			216	98	88	58	15	31	34	42	124	99
8			212	98	86	44	1	48	27	39	91	95
9			207	103	83	37	- 3	40	34	41	80	126
10			206	109	81	39	3	28	35	40	72	- 459
11			203	109	80	39	0	24	30	39	68	6
12			188	102	80	43	- 9	21	33	34	63	147
13			185	93	76	43	- 4	16	33	32	57	156
14			182	93	78	40	15	15	32	33	66	178
15			168	92	72	45	24	12	40	32	66	241
16			166	96	72	56	32	1	41	38	67	222
17			155	92	71	51	37	- 13	30	67	73	220
18			133	92	73	66	37	- 22	27	66	68	220
19			124	87	75	72	24	- 29	27	52	67	195
20			108	83	70	60	57	- 36	41	46	72	186
21			96	82	67	51	60	- 38	47	43	77	170
22			97	80	67	51	40	- 27	45	39	71	138
23			98	78	102	48	57	- 41	42	37	74	64
24			112	78	84	50	123	- 43	35	35	77	116
25			134	74	79	40	121	- 41	34	35	89	145
26			127	75	83	34	190	- 41	34	33	96	161
27			135	78	79	25	231	- 43	31	33	85	158
28			127	81	85	19	220	- 50	29	31	81	166
29			126	78	92	20	190	- 18	27	29	83	179
30			124	83	-----	19	152	- 18	27	46	110	176
31			114	81	-----	44	-----	20	-----	52	95	-----
TOTAL			-	2,872	2,330	1,538	1,746	311	1,001	1,202	2,366	3,630
MEAN			-	92 6	80 3	49 6	58 2	10 0	33 4	38 8	76 3	121
MAX			-	113	102	82	231	124	47	67	124	241
MIN			-	74	67	19	- 9	- 50	20	23	43	- 459
AC-FT			-	5,700	4,620	3,050	3,460	617	1,980	2,380	4,690	7,200

Note --Negative figures indicate reverse flow

## 2-2906 Snapper Creek Canal near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	187	231	115	57	56	- 17	13	10	50	66	1 <sup>2</sup>	99
2	213	237	106	57	51	- 18	16	15	38	64	11	125
3	245	248	97	55	51	- 21	18	16	58	63	14	117
4	239	260	95	49	78	- 25	16	14	58	61	14	101
5	255	256	93	44	62	- 26	15	10	45	53	15	91
6	236	253	92	44	51	- 26	14	9	40	49	14	84
7	258	279	90	41	48	- 27	12	1	37	47	17	82
8	276	277	87	42	60	- 27	13	8	37	45	17	108
9	285	261	81	66	50	- 24	10	11	53	46	13	107
10	251	256	60	65	47	- 24	13	15	65	54	14	81
11	273	254	37	67	44	- 26	13	14	61	54	13	71
12	265	238	41	49	46	- 26	8	13	53	45	27	60
13	259	222	45	122	45	- 24	8	13	42	47	28	51
14	259	221	48	142	39	- 7	7	13	37	40	22	54
15	265	221	41	119	28	- 24	7	13	34	30	16	76
16	258	224	52	110	19	- 28	10	11	45	38	16	88
17	254	208	59	103	16	- 24	11	11	58	37	32	80
18	233	198	50	97	13	- 22	10	10	50	33	86	85
19	231	191	65	89	12	- 22	10	10	38	30	62	99
20	244	182	64	84	12	- 19	11	8	31	28	59	103
21	242	172	64	75	10	- 17	10	8	28	28	92	99
22	237	171	67	71	4	- 12	9	9	26	27	100	92
23	236	162	63	64	0	- 15	1	9	22	27	108	89
24	218	154	59	57	8	- 14	1	9	20	27	102	85
25	217	146	62	55	14	- 11	- 1	12	18	31	111	83
26	217	140	59	55	17	- 7	- 1	22	18	28	92	81
27	200	139	59	58	17	0	0	74	44	27	85	86
28	213	134	56	58	5	- 1	6	88	82	22	140	82
29	197	128	50	70	-	3	12	92	94	18	207	79
30	194	123	54	75	-----	9	11	79	87	14	118	80
31	218	57	67	67	-----	0	-----	61	-----	14	102	-----
TOTAL	7,375	6,186	2,078	2,202	903	- 522	277	686	1,369	1,197	1,739	2,622
MEAN	238	206	67.0	71.0	32.2	- 16.8	9.2	22.1	45.6	38.6	56.1	87.4
MAX	285	279	115	142	78	0	16	92	94	66	200	125
MIN	187	123	37	41	0	- 28	- 1	1	18	14	11	53
AC-FT	14,630	12,270	4,120	4,370	1,790	- 1,040	549	1,360	2,720	2,370	3,450	5,200

CAL YR 1960: TOTAL 32,635 MAX 285 MIN -459 MEAN 89.2 AC-FT 64,700  
WAT YR 1961: TOTAL 26,112 MAX 285 MIN -28 MEAN 71.5 AC-FT 51,790

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	83	31	5	1	0	- 6	8	- 12	- 5	- 17	- 20	11
2	83	26	5	6	0	- 8	12	- 12	2	50	10	0
3	82	28	5	6	0	- 7	10	- 13	9	43	39	0
4	78	22	1	3	- 3	0	2	9	- 12	13	50	1
5	74	18	1	3	- 6	36	8	- 9	7	52	- 14	0
6	70	18	3	- 3	- 6	41	8	1	4	55	41	0
7	69	30	4	4	- 5	40	8	7	6	45	39	0
8	67	36	4	4	- 6	35	9	5	6	27	22	0
9	66	28	4	4	- 5	30	9	5	7	23	- 24	0
10	76	22	4	3	- 3	23	12	0	8	102	- 45	0
11	71	20	3	4	1	15	12	- 6	10	88	- 43	0
12	68	20	4	8	- 3	11	9	- 7	14	64	- 40	0
13	63	21	7	8	- 2	7	9	- 7	21	58	- 18	0
14	53	19	11	8	0	9	12	- 5	20	48	26	0
15	48	15	10	9	- 1	5	7	- 7	30	42	45	0
16	40	16	9	8	- 3	7	8	- 10	70	25	48	0
17	34	16	8	6	- 5	9	7	- 4	81	22	32	0
18	35	10	8	4	- 6	7	6	- 2	67	23	30	- 6
19	34	4	8	1	- 6	4	4	- 7	47	18	21	28
20	39	8	9	3	- 3	4	- 4	- 10	76	19	14	75
21	27	- 5	9	4	- 5	- 2	- 2	- 15	114	17	15	90
22	18	- 4	9	11	- 4	0	- 5	- 15	102	15	27	86
23	1	- 7	9	11	- 7	2	0	- 13	84	15	15	96
24	- 17	1	9	9	- 8	14	- 10	- 12	63	1	14	108
25	- 8	- 1	9	9	- 7	16	- 14	- 7	48	- 26	16	91
26	- 14	- 4	9	7	- 6	18	- 18	- 8	36	- 28	20	80
27	- 20	0	8	6	- 7	19	- 25	- 9	31	- 34	40	71
28	59	1	7	4	- 6	17	- 16	- 10	43	- 41	35	63
29	29	3	6	6	-	14	- 12	- 10	31	- 44	27	60
30	24	3	1	4	-----	11	- 12	- 6	- 8	- 46	27	61
31	32	-----	1	1	-----	8	-----	- 5	-----	- 41	28	-----
TOTAL	1,364	395	190	162	- 112	381	59	- 215	1,037	625	428	914
MEAN	44.0	13.2	6.1	5.2	- 4.0	12.3	2.0	- 6.9	34.6	20.2	13.8	30.5
MAX	83	36	11	11	1	41	12	7	114	102	48	108
MIN	- 20	- 7	1	- 3	- 8	- 8	- 25	- 15	- 8	- 46	- 45	6
AC-FT	2,700	783	377	321	- 222	756	117	- 426	2,060	1,240	849	1,810

CAL YR 1961: TOTAL 12,422 MAX 200 MIN -28 MEAN 34.0 AC-FT 24,630  
WAT YR 1962: TOTAL 5,228 MAX 114 MIN -46 MEAN 14.3 AC-FT 10,360

Note --Negative figures indicate reverse flow

## 2-2906 Snapper Creek Canal near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	58	69	48	30	24	17	25	13	26	- 36	1	54
2	59	65	48	29	23	17	24	12	20	- 32	- 5	49
3	70	68	47	28	23	20	22	14	16	- 31	- 1	51
4	68	58	46	28	27	21	21	16	16	- 29	0	50
5	65	54	43	28	35	20	20	17	57	- 4	0	48
6	60	51	43	28	41	19	19	17	86	38	0	50
7	59	51	42	28	44	20	20	15	91	22	0	51
8	58	50	42	29	41	20	20	13	116	12	- 1	54
9	52	75	43	29	39	19	20	10	80	21	- 1	72
10	49	86	42	27	23	18	19	3	70	36	0	99
11	34	77	41	26	20	20	17	0	109	34	1	110
12	27	74	37	26	24	19	15	0	108	26	9	96
13	21	75	39	24	34	19	16	- 10	95	20	12	84
14	21	71	37	22	18	14	14	- 10	92	17	12	72
15	20	62	34	26	19	16	14	0	105	13	11	74
16	20	58	32	28	18	16	14	- 4	99	5	11	72
17	21	55	30	28	20	16	14	- 11	92	0	12	41
18	22	53	32	28	17	17	14	- 12	81	- 1	12	42
19	25	54	33	26	20	18	14	- 13	67	- 7	19	71
20	25	51	34	26	18	18	14	- 12	38	- 8	46	140
21	25	49	33	26	16	18	13	- 11	27	- 7	50	131
22	26	50	33	26	17	18	13	5	22	- 9	54	172
23	32	50	32	25	17	17	13	5	19	- 13	46	190
24	38	50	30	25	18	18	13	22	19	- 16	64	171
25	35	51	30	25	18	18	13	23	17	- 16	76	131
26	28	51	30	25	18	17	12	17	14	- 16	87	115
27	26	45	30	25	18	17	12	14	7	- 16	90	109
28	23	45	30	25	18	17	12	12	7	- 16	89	105
29	22	44	30	25	-----	22	13	- 10	- 17	17	89	101
30	26	46	30	25	-----	25	13	15	- 32	13	80	98
31	47	-----	30	24	-----	25	-----	24	-----	7	65	-----
TOTAL	1,162	1,738	1,131	824	664	580	483	175	1,553	47	928	2,703
MEAN	37.5	57.9	36.5	26.3	23.5	18.7	16.1	5.6	51.7	1.5	29.9	90.1
MAX	70	86	48	30	44	25	25	24	116	38	90	190
MIN	20	44	30	24	16	16	12	- 13	- 32	- 36	- 5	41
AC-FT	2,300	3,450	2,240	1,630	1,320	1,150	958	347	3,080	93	1,840	5,360

CAL YR 1962: TOTAL 7,310 MAX 114 MIN -46 MEAN 20.0 AC-FT 14,500  
WAT YR 1963: TOTAL 11,988 MAX 190 MIN -36 MEAN 32.8 AC-CT 23,770

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	87	48	36	43	8	5	0	4	15	68	42	54
2	85	35	35	42	8	5	- 1	4	26	60	42	53
3	84	30	35	42	8	5	- 2	4	22	55	42	50
4	80	29	35	38	9	5	- 3	4	24	54	40	53
5	77	46	33	35	11	4	- 4	4	33	55	40	60
6	75	78	31	33	7	4	- 4	4	40	73	43	55
7	77	82	28	32	8	4	- 5	4	46	99	49	51
8	79	74	27	30	8	3	- 6	4	44	90	48	48
9	80	58	25	27	11	1	- 7	4	47	86	47	46
10	72	66	24	24	12	1	- 7	4	65	76	48	47
11	59	70	24	24	11	1	- 7	4	78	100	49	48
12	67	70	24	27	8	1	- 6	4	88	95	47	46
13	66	67	23	32	8	4	- 7	4	85	73	46	51
14	65	61	23	26	8	4	- 7	5	87	59	51	46
15	63	60	23	23	7	4	- 7	17	88	58	49	48
16	59	67	23	22	7	2	- 5	17	81	66	47	46
17	59	72	24	21	7	2	- 4	13	78	77	45	44
18	98	75	35	19	7	4	- 4	11	72	72	42	59
19	93	64	40	19	7	4	- 5	9	57	60	36	56
20	74	44	44	17	7	4	- 6	14	51	49	36	61
21	66	38	39	14	7	4	- 6	15	49	44	32	74
22	54	36	38	14	7	4	- 6	12	53	38	29	107
23	39	36	36	17	7	4	- 7	9	38	28	33	135
24	60	39	34	10	7	4	- 7	6	55	32	27	160
25	36	41	28	8	6	4	- 6	5	61	32	26	162
26	23	41	26	8	6	4	- 5	5	72	37	28	141
27	40	14	27	8	7	4	- 4	5	86	38	68	141
28	26	40	28	8	5	2	- 3	5	71	42	52	140
29	53	40	28	8	5	2	- 1	5	72	41	68	129
30	51	38	39	7	-----	2	3	5	68	41	68	125
31	52	-----	52	7	-----	1	-----	5	-----	40	58	-----
TOTAL	2,013	1,597	967	679	224	102	139	215	1,772	1,841	1,373	2,336
MEAN	64.9	53.2	31.2	21.9	7.7	3.3	- 4.6	6.9	59.1	54.4	44.3	77.1
MAX	99	82	52	43	12	5	- 3	17	88	100	68	162
MIN	14	29	23	7	5	1	- 7	4	15	32	26	44
AC-FT	3,990	3,170	1,920	1,350	444	202	- 276	426	3,510	3,650	2,720	4,630

CAL YR 1963: TOTAL 12,534 MAX 190 MIN -36 MEAN 34.3 AC-FT 24,860  
WAT YR 1964: TOTAL 13,258 MAX 162 MIN -7 MEAN 35.5 AC-FT 25,740

Note --Negative figures indicate reverse flow



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2906 Snapper Creek Canal near Coral Gables, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	124	96	63	9	39	- 12	5	17	25	24	47	17
2	134	88	77	7	52	- 31	6	13	26	25	35	17
3	129	82	80	12	105	- 29	6	12	25	26	43	18
4	122	75	85	33	56	85	6	11	24	24	94	18
5	120	67	160	11	38	104	5	14	24	24	91	19
6	107	64	215	7	32	42	6	15	24	24	56	23
7	90	60	195	15	110	45	6	17	26	26	44	44
8	79	56	180	23	220	44	6	17	28	26	35	72
9	75	55	158	26	175	32	6	18	36	25	26	69
10	83	49	129	27	113	29	7	17	39	26	26	77
11	99	44	80	27	104	30	8	18	37	27	30	75
12	126	40	81	25	58	20	10	14	36	31	32	69
13	123	37	76	28	34	14	9	9	36	39	25	67
14	142	39	69	26	20	12	8	8	45	58	22	58
15	143	38	64	15	13	11	13	10	48	53	20	55
16	134	37	62	8	26	17	13	11	43	57	19	51
17	129	35	34	7	64	8	17	10	32	77	18	48
18	121	35	23	7	38	7	19	9	32	81	20	47
19	118	34	26	7	22	7	22	10	39	75	20	46
20	109	35	36	7	14	7	23	11	48	94	20	45
21	91	38	31	17	10	7	25	11	34	152	21	40
22	54	44	7	16	7	7	26	12	28	206	21	36
23	37	50	0	14	46	23	26	13	25	182	19	35
24	22	54	0	8	117	20	24	13	25	96	18	35
25	8	57	0	27	103	13	24	19	24	52	18	34
26	184	58	0	38	86	13	25	20	26	50	18	44
27	47	56	12	36	35	13	48	20	26	79	18	80
28	93	56	54	63	20	13	57	18	26	54	18	118
29	123	56	48	46	-----	17	37	21	24	38	19	123
30	112	57	37	37	-----	17	26	23	26	57	18	84
31	104	-----	23	74	-----	11	-----	24	-----	22	18	-----
TOTAL	3,182	1,592	2,105	703	1,757	596	523	455	937	1,830	929	1,564
MEAN	103	53.1	67.9	22.7	63.0	19.2	17.4	14.7	31.2	59.0	30.0	52.1
MAX	184	96	215	74	220	104	57	24	48	206	94	123
MIN	8	34	0	7	7	- 31	5	8	24	22	18	17
AC-FT	6,310	3,160	4,180	1,390	3,480	1,180	1,040	902	1,860	3,630	1,840	3,100

CAL YR 1964: TOTAL 15,560 MAX 215 MIN -7 MEAN 41.8 AC-FT 30,310  
WAT YR 1965: TOTAL 16,173 MAX 220 MIN -31 MEAN 44.3 AC-FT 32,070

Note --Negative figures indicate reverse flow Doubtful deflection record May 4 to July 6

## 2-2907 Snapper Creek Canal at S-22, near South Miami, Fla

Location --Lat 25°40'11", long 80°17'03", in NW<sup>1</sup> sec 7, T 55 S, R 41 E, 15 ft from right bank, 300 ft upstream from salinity-control structure 22, 1.4 miles upstream from mouth, and 2.5 miles south of South Miami, Dade County

Records available --February 1959 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark)

Average discharge --6 years, 238 cfs (172,300 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the period February 1959 to September 1965 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1959	Sept 23, 1959	1,320	a 3 53	May 7-13, 1959	0	b -0 59
1960	Sept 11, 1960	2,080	c 5 67	Sept 10, 1960	d -1,220	e 02
1961	Jan 13, 1961	f 730	g 3 92	Many days	0	h 16
1962	Sept 22, 1962	504	i 3 91	do	0	j 81
1963	Sept 26, 1963	969	k 4 04	do	0	m 23
1964	June 9, 1964	1,080	n 4 19	do	0	o -08
1965	Feb 8, 1965	1,060	p 6 02	do	0	q 06

a Occurred July 22, 1959 from hurricane storm tide  
 b Occurred Mar 26, 1959 from hurricane storm tide  
 c Occurred Sept 10, 1960  
 d Reverse flow  
 e Occurred Dec 14, 1959  
 f Maximum daily discharge for flood event whose crest occurred during water year, maximum daily discharge, 971 cfs Oct 2, 1960, occurred on recession following crest of Sept 24, 1960  
 g Occurred Sept 18, 1961  
 h Occurred Jan 13, 1961  
 i Occurred Oct 30, 1961  
 j Occurred Sept 7, 1962  
 k Occurred Nov 9, 1962  
 l Occurred June 8, 1963  
 m Occurred Oct 16, 1963  
 n Occurred July 12, 1964  
 o Occurred Sept 8, 1965  
 p Occurred Feb 8, 1965  
 q Occurred Feb 8, 1965

Note --Negative figures indicate reverse flow

1959-65 Maximum daily discharge, 2,080 cfs Sept 11, 1960, maximum gage height, 6 02 ft Sept 8, 1965, no flow for many days each year, maximum reverse flow, 1,220 cfs Sept 10, 1960, from hurricane storm tide, minimum gage height, -0 59 ft Mar 26, 1959

Remarks --Records good prior to Oct 1, 1962, fair thereafter Flow affected by tide and operation of S-22 and is occasionally reversed Some seepage losses above station into City of Miami southwest well field for recharge of ground water withdrawals Records of chemical analyses for the water years 1962, 1964-65 are published in reports of the Geological Survey

Cooperation --Gate-opening record furnished by Central and Southern Florida Flood Control District

DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1959

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					216	137	348	139	256	632	644	700
2					168	142	341	137	201	619	628	710
3					160	138	270	108	212	564	638	720
4					176	134	231	101	202	564	787	736
5					177	129	208	81	248	574	858	718
6					196	139	201	38	280	593	798	696
7					201	143	233	0	301	691	759	737
8					208	142	219	0	301	598	717	758
9					184	140	195	0	304	627	702	815
10					185	143	177	0	289	601	645	782
11					172	176	179	0	278	577	621	816
12					193	123	181	0	283	567	685	779
13					176	108	184	0	274	576	694	785
14					176	73	186	36	259	573	670	794
15					176	98	168	125	245	578	916	818
16					177	75	168	70	253	746	855	857
17					173	75	170	69	309	755	803	876
18					173	124	163	116	1,020	692	705	931
19					167	214	151	134	1,190	688	622	994
20					165	539	156	134	1,110	685	575	989
21					172	525	188	139	1,100	353	466	1,140
22					172	521	287	137	1,020	393	585	1,200
23					150	515	313	135	992	554	648	1,320
24					143	517	247	96	998	824	648	1,220
25					141	347	210	69	972	761	648	1,250
26					156	405	216	92	913	755	635	1,240
27					136	427	198	63	850	762	712	1,110
28					134	273	180	460	804	754	698	1,050
29					-----	262	165	433	822	703	584	1,140
30					-----	261	143	346	400	686	527	1,130
31					-----	276	-----	266	-----	666	500	-----
TOTAL					4,823	7,321	6,276	3,524	16,686	19,711	20,973	27,811
MEAN					172	236	209	114	556	636	677	927
MAX					216	539	348	460	1,190	824	916	1,320
MIN					134	73	143	0	201	353	466	696
AC-FT					9,570	14,520	12,450	6,990	33,100	39,100	41,600	55,160

## 2-2907 Snapper Creek Canal at S-22, near South Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,030	978	1,030	745	471	436	134	684	523	263	454	632
2	1,020	930	1,010	727	464	377	141	487	571	274	439	482
3	1,130	945	1,020	750	453	391	134	252	561	248	423	472
4	1,060	1,000	997	741	434	375	140	219	584	276	377	591
5	1,010	983	970	690	467	367	141	213	591	263	326	589
6	1,030	1,010	988	704	539	269	134	240	573	281	347	578
7	997	1,020	1,030	684	554	166	114	347	554	244	439	685
8	988	1,000	1,020	616	539	94	67	409	538	361	458	884
9	948	971	1,010	604	483	111	81	454	491	366	448	667
10	909	846	969	647	454	120	47	340	539	352	433	1,160
11	912	867	974	604	480	113	34	188	538	274	417	2,080
12	914	884	969	570	422	113	34	174	529	237	363	1,970
13	951	904	966	600	425	106	13	155	502	298	330	1,900
14	867	932	962	581	432	106	13	141	409	337	352	1,750
15	832	927	926	576	430	144	0	134	373	375	326	1,600
16	864	859	933	550	444	235	0	114	389	380	301	1,380
17	916	891	780	533	429	217	0	68	394	389	436	1,220
18	1,130	879	674	558	436	231	0	45	412	399	453	1,120
19	1,040	1,020	651	590	408	252	22	35	404	402	461	958
20	1,110	1,310	636	552	357	270	387	0	418	426	462	925
21	1,100	1,400	634	489	384	245	399	0	591	391	525	765
22	1,190	1,400	575	462	377	286	392	0	598	370	532	933
23	1,230	1,360	585	444	339	192	399	0	471	381	479	1,220
24	1,200	1,310	593	445	361	198	805	0	305	372	458	1,260
25	1,210	1,340	572	427	394	153	1,280	0	281	280	464	1,150
26	1,160	1,250	593	421	430	127	1,300	0	249	267	392	1,100
27	1,100	1,200	693	429	409	107	1,240	0	263	282	458	1,020
28	1,130	1,200	715	449	442	101	906	0	269	301	437	976
29	1,090	1,200	761	442	449	114	800	205	270	289	429	931
30	1,050	1,080	768	440	-----	134	745	344	276	297	444	940
31	984	-----	764	480	-----	134	-----	388	-----	422	521	-----
TOTAL	32,102	31,896	25,768	17,579	12,706	6,284	9,902	5,636	13,466	10,097	13,186	31,938
MEAN	1,036	1,063	831	567	438	203	330	182	449	326	425	1,065
MAX	1,230	1,400	1,030	750	554	366	1,300	684	598	426	532	2,080
MIN	832	846	572	421	339	94	0	0	249	237	301	472
AC-FT	63,670	63,260	51,110	34,870	25,200	12,460	19,640	11,180	26,710	20,030	26,150	63,350

CAL YR 1959: TOTAL 32,102 MEAN 1,036 MAX 1,230 MIN 832 AC-FT 63,670  
 WAT YR 1960: TOTAL 31,896 MEAN 1,063 MAX 1,400 MIN 846 AC-FT 63,260

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	929	732	556	380	378	173	97	0	498	457	0	272
2	971	724	524	373	378	172	103	0	507	454	0	230
3	958	719	457	332	357	173	107	0	507	423	0	243
4	929	707	469	280	385	167	103	0	517	393	0	235
5	907	697	497	287	377	169	100	0	561	384	0	202
6	833	689	544	281	371	172	84	0	488	337	0	176
7	834	703	556	267	398	176	60	0	491	297	0	339
8	839	667	553	260	430	176	67	0	485	295	0	520
9	811	691	349	254	421	185	65	0	545	294	0	231
10	829	718	223	257	399	183	70	0	536	236	0	80
11	823	723	267	245	398	173	94	70	560	192	0	34
12	813	746	366	610	384	167	65	104	507	185	0	0
13	807	772	412	730	344	167	68	104	504	198	0	0
14	827	753	320	607	247	172	66	103	504	205	0	0
15	850	719	262	490	228	172	65	100	490	204	0	0
16	824	721	374	508	222	167	67	77	475	176	0	0
17	816	608	432	476	201	163	70	0	476	162	0	0
18	818	722	430	461	194	167	41	0	432	149	0	300
19	816	617	448	440	194	168	0	0	425	150	0	398
20	794	621	453	475	180	166	0	0	428	143	0	367
21	763	629	446	497	179	166	0	0	394	142	58	273
22	761	631	438	505	172	166	0	0	284	135	370	233
23	797	627	430	468	172	168	0	0	170	135	330	219
24	772	611	431	462	176	176	0	0	177	134	289	205
25	770	603	461	425	448	167	0	0	170	41	294	204
26	768	580	460	412	456	156	0	0	177	0	132	217
27	772	590	459	404	350	135	0	294	166	0	139	191
28	772	591	433	370	217	133	0	719	598	0	147	0
29	757	592	409	384	-----	119	0	696	714	0	104	131
30	769	550	428	378	-----	100	0	681	542	0	77	138
31	710	-----	401	378	-----	93	-----	576	-----	0	263	-----
TOTAL	25,405	20,073	13,294	12,662	8,942	5,012	1,403	3,524	13,328	5,923	2,203	5,569
MEAN	819	647	429	418	288	162	45.8	114	444	191	71.2	186
MAX	971	772	558	730	462	185	107	719	714	457	370	520
MIN	710	550	223	245	172	93	0	0	166	0	0	0
AC-FT	50,390	39,410	26,370	25,110	17,740	9,940	2,780	6,990	26,440	11,750	4,370	11,050

CAL YR 1960: TOTAL 25,405 MEAN 819 MAX 971 MIN 710 AC-FT 50,390  
 WAT YR 1961: TOTAL 20,073 MEAN 647 MAX 772 MIN 550 AC-FT 39,410

Note --Doubtful or no deflection record Oct 1-31, Feb 24 to Apr 18

## 2-2907 Snapper Creek Canal at S-22, near South Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR (OCTOBER 1961 TO SEPTEMBER 1962)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT
1	160	209	0	0	0	0	0	0	0	229	107	206
2	131	167	0	0	0	0	0	0	0	308	108	206
3	92	124	0	0	0	0	0	0	0	317	198	205
4	57	107	0	0	0	0	0	0	0	322	109	212
5	73	102	0	0	0	0	0	0	0	319	111	204
6	109	100	0	0	0	0	0	0	0	274	112	196
7	93	101	0	0	0	0	0	0	0	237	112	130
8	96	101	0	0	0	0	0	0	0	240	110	58
9	94	109	0	0	0	0	0	0	0	237	109	200
10	95	91	0	0	0	0	0	0	0	235	193	221
11	102	95	0	0	0	0	0	0	0	360	213	245
12	120	96	0	0	0	0	0	0	0	407	221	248
13	100	101	0	0	0	0	0	0	0	397	235	239
14	100	74	0	0	0	0	0	0	0	388	233	235
15	103	68	0	0	0	0	0	0	0	346	233	197
16	93	69	0	0	0	0	0	0	0	295	241	217
17	91	31	0	0	0	0	0	0	0	287	245	216
18	91	0	0	0	0	0	0	0	0	293	228	174
19	94	0	0	0	0	0	0	0	236	294	226	162
20	242	0	0	0	0	0	0	0	383	303	225	319
21	93	0	0	0	0	0	0	0	393	296	225	499
22	96	0	0	0	0	0	0	0	461	279	226	504
23	90	0	0	0	0	0	0	0	475	284	225	494
24	61	0	0	0	0	0	0	0	442	242	238	447
25	63	0	0	0	0	0	0	0	373	221	222	438
26	62	0	0	0	0	0	0	0	340	218	221	438
27	68	0	0	0	0	0	0	0	318	113	226	425
28	62	0	0	0	0	0	0	0	257	105	211	433
29	64	0	0	0	0	0	0	0	224	103	204	412
30	201	15	0	0	0	0	0	0	726	103	205	796
31	227	0	0	0	0	0	0	0	0	105	213	0
TOTAL	3,320	1,768	0	0	0	0	0	0	4,128	8,177	5,858	8,775
MEAN	107	56.9	0	0	0	0	0	0	138	264	189	293
MAX	242	209	0	0	0	0	0	0	475	407	245	504
MIN	60	0	0	0	0	0	0	0	0	103	107	58
AC-FT	6,590	3,510	0	0	0	0	0	0	8,190	16,220	11,620	17,400

CAL YR 1961 TOTAL 63,654.00 MEAN 174 MAX 730 MIN 0 AC-FT 126,300  
 WAT YR 1962 TOTAL 32,726.00 MEAN 87.7 MAX 504 MIN 0 AC-FT 63,570

Note --Doubtful deflection record Oct 1-30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT
1	477	103	120	44	38	38	0	0	0	0	0	0
2	473	103	120	43	37	34	0	0	0	0	0	0
3	462	105	126	67	37	40	0	0	0	0	0	55
4	433	106	133	63	39	39	0	0	0	0	0	141
5	398	107	131	43	199	39	0	0	0	0	0	138
6	364	105	137	43	192	40	0	0	293	0	0	131
7	349	100	139	44	158	40	0	0	466	0	0	132
8	300	98	135	60	83	18	0	0	390	0	0	0
9	254	980	138	64	0	0	0	0	0	467	0	172
10	220	944	145	64	0	0	0	0	246	345	0	547
11	157	225	145	69	0	0	0	0	368	0	0	625
12	150	218	147	64	154	0	0	0	357	0	0	451
13	129	217	147	64	146	0	0	0	301	0	0	281
14	133	155	96	57	9	0	0	0	0	0	0	155
15	133	163	0	68	23	0	0	0	0	0	0	158
16	134	163	0	68	49	0	0	0	302	0	0	117
17	133	156	59	65	40	0	0	0	336	0	0	0
18	127	150	112	66	95	0	0	0	135	0	0	482
19	112	150	112	66	140	0	0	0	55	0	0	405
20	69	156	79	65	143	0	0	0	0	0	0	722
21	92	164	56	68	117	0	0	0	0	0	0	894
22	90	156	56	68	116	0	0	0	0	0	0	835
23	93	156	56	66	112	0	0	0	0	0	0	858
24	100	162	56	69	110	0	0	0	0	0	0	840
25	40	162	56	66	80	0	0	0	0	0	0	942
26	0	172	68	64	38	0	0	0	0	0	197	969
27	0	140	66	66	39	0	0	0	0	0	370	837
28	0	134	86	66	33	0	0	0	0	0	444	740
29	0	130	83	64	0	0	0	0	0	0	290	756
30	31	128	83	57	0	0	0	0	0	0	74	667
31	31	0	62	38	0	0	0	0	0	0	0	0
TOTAL	5,591	5,010	2,934	1,888	2,194	293	0	0	3,239	812	1,375	13,389
MEAN	180	160	94.6	60.9	78.4	9.45	0	0	108	26.2	44.4	446
MAX	462	260	147	69	159	43	0	0	466	467	444	969
MIN	0	98	0	38	0	0	0	0	0	0	0	0
AC-FT	11,090	9,740	5,820	3,740	4,350	581	0	0	6,420	1,610	2,730	26,560

CAL YR 1962 TOTAL 40,473.00 MEAN 111 MAX 580 MIN 0 AC-FT 80,280  
 WAT YR 1963 TOTAL 36,725.00 MEAN 101 MAX 969 MIN 0 AC-FT 72,840

## 2-2907 Snapper Creek Canal at S-22, near South Miami, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	629	157	106	667	76	76	0	0	0	276	0	326
2	612	0	110	415	77	36	0	0	0	278	0	317
3	585	0	110	236	75	0	0	0	179	279	181	338
4	529	0	109	181	72	0	0	0	131	277	269	339
5	638	333	66	176	71	0	0	0	148	295	267	291
6	382	124	0	102	75	0	0	0	501	294	260	268
7	639	362	0	147	77	0	0	0	603	393	365	250
8	134	237	0	96	80	0	0	0	812	483	425	255
9	391	158	0	94	60	0	0	0	1,080	544	395	298
10	0	154	0	98	56	0	0	0	973	557	395	331
11	343	162	0	94	0	0	0	0	938	553	378	307
12	523	164	0	91	0	0	0	0	811	553	394	305
13	485	169	0	141	0	0	0	0	770	515	384	332
14	462	169	0	134	0	0	0	0	725	475	360	333
15	172	346	0	133	0	0	0	0	624	446	354	315
16	777	469	0	91	0	0	0	0	587	417	372	310
17	923	426	0	92	0	0	0	0	578	408	261	333
18	842	401	390	94	0	0	0	0	262	408	0	357
19	613	0	544	75	0	0	0	0	99	418	0	365
20	472	0	313	94	0	0	0	0	179	188	0	396
21	472	0	157	98	0	0	0	0	172	0	0	408
22	242	64	161	60	0	0	0	0	159	0	0	405
23	418	109	101	46	0	0	0	0	159	0	0	379
24	423	103	0	75	0	0	0	0	212	0	65	398
25	0	161	0	74	43	0	0	0	433	152	192	419
26	0	118	88	76	78	0	0	0	529	458	343	431
27	0	157	171	75	74	0	0	0	485	416	645	412
28	473	152	167	75	76	0	0	0	483	384	613	352
29	469	122	166	76	78	0	0	0	510	371	586	371
30	336	106	167	76	-----	0	0	0	420	376	309	435
31	362	-----	483	74	-----	0	-----	0	-----	309	135	-----
TOTAL	14,126	5,221	3,413	4,219	1,064	112	0	0	13,562	10,523	7,948	10,376
MEAN	456	164	110	136	37.5	3.61	0	0	452	339	256	346
MAX	923	524	544	667	80	76	0	0	1,080	557	645	435
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	28,020	10,930	5,770	8,370	2,160	222	0	0	26,900	20,870	15,760	20,580

CAL YR 1963 TOTAL 45,232.00 MEAN 127 MAX 969 MIN 0 AC-FT 91,740  
 WAT YR 1964 TOTAL 70,810.00 MEAN 194 MAX 1,080 MIN 0 AC-FT 140,600

Note --Doubtful deflection record Jan 3 to Feb 10

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	413	613	344	0	0	0	0	0	0	0	0	0
2	444	476	319	0	359	0	0	0	0	0	0	0
3	468	513	280	322	227	0	0	0	0	0	428	0
4	472	505	306	242	0	460	0	0	0	0	806	0
5	363	531	520	0	0	332	0	0	0	0	168	0
6	161	438	759	94	0	108	0	0	0	0	0	260
7	166	442	642	268	410	313	0	0	0	0	0	307
8	162	464	524	266	1,060	224	0	0	0	0	0	112
9	203	362	537	271	331	99	0	0	0	0	0	920
10	424	283	193	276	279	98	0	0	0	0	0	969
11	410	264	204	260	294	123	0	0	0	0	0	893
12	394	251	396	201	0	78	0	0	0	0	0	849
13	420	250	379	191	0	0	0	0	0	0	0	711
14	618	231	370	76	0	0	0	0	0	0	0	412
15	747	237	329	0	0	0	0	0	0	0	0	425
16	687	201	168	0	198	0	0	0	0	0	0	252
17	604	267	0	0	352	0	0	0	0	0	0	212
18	606	241	0	0	0	0	0	0	0	0	0	487
19	603	205	300	0	0	0	0	0	0	0	0	457
20	600	225	406	0	0	0	0	0	0	0	0	238
21	180	237	160	146	0	0	0	0	0	437	0	0
22	0	238	0	0	0	0	0	0	0	746	0	0
23	0	239	0	0	0	115	0	0	0	341	0	0
24	0	260	0	0	688	0	0	0	0	0	0	0
25	0	268	0	0	531	0	0	0	0	0	0	0
26	438	295	0	0	176	0	0	0	0	362	0	277
27	624	288	150	94	0	0	0	0	0	455	0	810
28	429	301	508	124	0	0	0	0	0	0	0	705
29	415	325	150	0	-----	22	0	0	0	0	0	273
30	308	330	316	0	-----	0	0	0	0	0	0	0
31	725	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	12,988	9,970	8,262	7,831	5,610	1,478	0	0	0	2,341	1,402	9,569
MEAN	419	322	267	251	193	47.8	0	0	0	75.5	45.2	319
MAX	813	513	759	322	1,060	460	0	0	0	746	806	969
MIN	0	205	0	0	0	0	0	0	0	0	0	0
AC-FT	25,760	19,760	16,390	5,620	10,740	3,920	0	0	0	4,640	2,780	18,980

CAL YR 1964 TOTAL 79,040.00 MEAN 216 MAX 1,080 MIN 0 AC-FT 156,800  
 WAT YR 1965 TOTAL 54,757.00 MEAN 150 MAX 1,060 MIN 0 AC-FT 108,600

## 2-2908 Taylor Slough near Homestead, Fla

Location --Lat 25°24'05", long 80°36'25", in NE¼ sec 10, T 58 S, R 37 E, at upstream (north) side of bridge on State Highway 27, in Everglades National Park, 1 5 miles north of Royal Palm Ranger Station, 9 miles southwest of Homestead, Dade County, and 12 miles north of indefinite mouth at Florida Bay

Records available --August 1960 to September 1965

Gage --Water-stage recorder Datum of gage is 1 19 ft below mean sea level, datum of 1929 (Dade County bench mark)

Average discharge --5 years, 41 9 cfs (30,330 acre-ft per year)

Extremes --Maximum and minimum discharges for the period August 1960 to September 1965 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1960	Sept 23-25, 1960	808	6 47	Aug 23, 1960	74	5 41
1961	Oct 2, Nov 2, 1960	664	a 6 34	Many days	0	-
1962	July 17, 18, 1962	274	5 70	do	0	b 60
1963	Sept 27, 1963	773	c 6 20	do	0	d 23
1964	Sept 15, 1964	e 125	f 6 10	do	0	g 1 34
1965	Nov 6, 1964	165	5 46	do	0	h - 11

a Occurred Oct 2, 1960 b Occurred June 12, 1962 (estimated) c Occurred Sept 27, 28, 1963  
d Occurred May 2, 1965 (estimated) e Maximum peak discharge, maximum discharge during year, 622 cfs  
Oct 1, 1965, stage falling f Occurred Oct 1, 1963 g Occurred Apr 10, 1964 h Occurred May 30, 1965 (estimated)

1960-65 Maximum discharge, 808 cfs Sept 23-25, 1960 (gage height, 6 47 ft), no flow for many days in most years, minimum gage height, -0 11 ft May 30, 1965 (estimated)

Remarks --Records good except those for periods of no gage-height record, which are fair Figures of daily discharge consist of runoff from Taylor Slough, as represented by the flow through all the outlets for a distance of some 3 miles along State Highway 27 in the Everglades National Park During periods of extreme high water possibly some flow is diverted from Shark River Slough Records of chemical analyses for the water years 1961-65 and of water temperatures for the water years 1961-64 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, AUGUST TO SEPTEMBER 1960

DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT	DAY	AUG	SEPT
1	-	144	6	-	291	11	-	696	16	94	594	21	84	412	26	100	762
2	-	156	7	-	427	12	-	727	17	98	536	22	78	412	27	102	750
3	-	191	8	-	565	13	-	727	18	96	510	23	75	706	28	98	727
4	-	220	9	-	565	14	-	696	19	94	476	24	76	808	29	92	696
5	-	252	10	-	622	15	-	654	20	88	434	25	82	796	30	106	654
															31	132	-
TOTAL																-	16,206
MEAN																-	540
MAX																-	808
MIN																-	144
AC-FT																-	32,140

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	622	546	242	88	46	340	0	0	740	54	740	840
2	622	632	224	86	45	340	0	0	740	52	740	740
3	603	632	224	82	47	340	0	0	740	52	11	640
4	505	622	211	78	50	240	0	0	840	55	12	540
5	510	612	202	74	49	240	0	0	940	54	10	440
6	484	612	198	70	48	240	0	0	940	55	740	340
7	468	594	191	66	47	240	0	0	10	55	640	240
8	427	556	184	63	49	240	0	0	10	54	440	240
9	404	536	176	62	48	240	0	0	13	51	340	240
10	420	518	169	63	46	140	0	0	18	47	340	140
11	434	502	162	63	41	140	0	0	42	43	240	140
12	420	484	159	61	37	140	0	0	104	40	240	140
13	390	459	156	130	33	140	0	0	162	40	140	0
14	374	434	153	147	30	240	0	0	169	37	140	140
15	360	420	150	150	26	240	0	0	162	34	140	240
16	354	404	147	138	22	240	0	0	150	30	240	240
17	354	390	144	130	19	140	0	0	130	26	240	440
18	341	382	138	118	16	140	0	0	106	30	240	640
19	322	367	132	108	14	140	0	0	88	28	140	540
20	315	348	130	98	11	0	0	0	75	27	140	540
21	322	341	125	90	940	0	0	0	59	44	240	440
22	315	328	120	82	740	0	0	0	49	40	240	340
23	302	308	116	76	740	0	0	0	41	33	140	240
24	286	302	112	70	640	0	0	0	39	26	140	240
25	274	291	108	65	640	0	0	0	41	20	240	240
26	250	286	106	61	540	0	0	0	38	17	240	140
27	242	286	102	59	440	0	0	0	36	14	240	140
28	286	274	98	55	340	0	0	0	41	13	440	140
29	328	264	96	53	-----	0	0	0	46	11	440	140
30	315	258	94	51	-----	0	0	440	53	104	740	140
31	382	-----	90	48	-----	0	-----	640	-----	840	740	-----
TOTAL	12,999	12,948	4,666	2,605	771.0	34.0	0	10.0	1,729.0	1,100.0	119.0	85.0
MEAN	390	433	151	84.0	27.5	1.10	0	.32	57.6	35.5	3.84	2.83
MAX	622	632	242	150	50	3.0	0	6.0	169	55	12	840
MIN	242	258	90	48	3.0	0	0	0	740	840	140	0
AC-FT	24,000	25,760	9,250	5,170	1,230	67	0	20	3,430	2,180	236	169
CAL YR 1960	TOTAL	TOTAL	TOTAL	MEAN	MEAN	MAX	MIN	AC-FT	AC-FT	AC-FT	AC-FT	AC-FT
WAT YR 1961	TOTAL	36,206.00	99.2	632	0	71,810						

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2908 Taylor Slough near Homestead, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.0	0	0	0	0	0	0	0	0	130	53	206
2	4.0	0	0	0	0	0	0	0	0	156	46	216
3	5.0	0	0	0	0	0	0	0	0	165	42	202
4	6.0	0	0	0	0	0	0	0	0	180	36	176
5	6.0	0	0	0	0	0	0	0	0	224	31	167
6	5.0	0	0	0	0	0	0	0	0	220	26	153
7	7.0	0	0	0	0	0	0	0	0	195	21	130
8	7.0	0	0	0	0	0	0	0	0	165	52	115
9	7.0	0	0	0	0	0	0	0	0	138	55	100
10	11	0	0	0	0	0	0	0	0	138	63	90
11	11	0	0	0	0	0	0	0	0	156	72	84
12	10	0	0	0	0	0	0	0	0	153	86	81
13	9.0	0	0	0	0	0	0	0	0	150	106	78
14	7.0	0	0	0	0	0	0	0	0	172	118	72
15	6.0	0	0	0	0	0	0	0	0	216	125	66
16	5.0	0	0	0	0	0	0	0	34	204	128	61
17	4.0	0	0	0	0	0	0	0	75	269	128	54
18	4.0	0	0	0	0	0	0	0	100	274	120	53
19	4.0	0	0	0	0	0	0	0	128	252	118	70
20	3.0	0	0	0	0	0	0	0	156	229	118	74
21	2.0	0	0	0	0	0	0	0	156	202	118	81
22	2.0	0	0	0	0	0	0	0	156	176	125	86
23	1.0	0	0	0	0	0	0	0	144	159	125	94
24	1.0	0	0	0	0	0	0	0	128	138	125	106
25	1.0	0	0	0	0	0	0	0	128	118	120	106
26	0	0	0	0	0	0	0	0	128	98	112	106
27	0	0	0	0	0	0	0	0	108	82	112	102
28	0	0	0	0	0	0	0	0	98	72	140	100
29	0	0	0	0	0	0	0	0	108	65	141	108
30	0	0	0	0	0	0	0	0	108	62	156	108
31	0	0	0	0	0	0	0	0	0	58	184	0
TOTAL	131.0	0	0	0	0	0	0	0	1,755	5,076	2,999	3,240
MEAN	4.2	0	0	0	0	0	0	0	58.5	166	96.7	108
MAX	11	0	0	0	0	0	0	0	156	274	184	216
MIN	0	0	0	0	0	0	0	0	0	58	20	53
AC-FT	260	0	0	0	0	0	0	0	3,480	10,070	5,950	6,430
CAL YR 1961	TOTAL	6,384.00	MEAN	18.0	MAX	167	MIN	0	AC-FT	13,060		
WAT YR 1962	TOTAL	13,201.00	MEAN	36.2	MAX	274	MIN	0	AC-FT	26,180		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	128	10	1.0	0	0	0	0	0	11	16	3.0	61
2	147	1.0	1.0	0	0	0	0	0	16	13	2.0	71
3	153	1.0	1.0	0	0	0	0	0	34	10	2.0	76
4	147	1.0	0	0	0	0	0	0	33	8.0	1.0	72
5	132	0.0	0	0	0	0	0	0	34	7.0	1.0	76
6	120	7.0	0	0	0	0	0	0	33	9.0	1.0	87
7	100	6.0	0	0	0	0	0	0	45	9.0	1.0	102
8	76	2.0	0	0	0	0	0	0	43	6.0	0	100
9	96	12	0	0	0	0	0	0	40	5.0	0	88
10	81	13	0	0	0	0	0	0	35	3.0	0	87
11	81	18	0	0	0	0	0	0	33	3.0	0	92
12	74	17	0	0	0	0	0	0	42	3.0	0	110
13	66	16	0	0	0	0	0	0	41	2.0	2.0	115
14	59	1.0	0	0	0	0	0	0	37	2.0	3.0	122
15	51	12	0	0	0	0	0	0	44	2.0	3.0	128
16	45	11	0	0	0	0	0	0	65	2.0	2.0	120
17	40	10	0	0	0	0	0	0	63	1.0	2.0	115
18	36	9.0	0	0	0	0	0	0	59	1.0	8.0	110
19	30	8.0	0	0	0	0	0	0	51	1.0	41	110
20	26	7.0	0	0	0	0	0	0	45	1.0	40	132
21	22	5.0	0	0	0	0	0	0	37	1.0	40	187
22	19	6.0	0	0	0	0	0	0	30	1.0	40	216
23	16	5.0	0	0	0	0	0	0	25	1.0	40	242
24	16	4.0	0	0	0	0	0	0	22	0	37	328
25	13	3.0	0	0	0	0	0	0	20	0	32	484
26	11	3.0	0	0	0	0	0	0	26	0	28	696
27	9.0	2.0	0	0	0	0	0	0	33	0	24	762
28	7.0	2.0	0	0	0	0	0	0	31	0	22	750
29	6.0	2.0	0	0	0	0	0	0	26	0	22	685
30	6.0	1.0	0	0	0	0	0	6.0	21	1.0	20	643
31	10	0	0	0	0	0	0	11	0	2.0	23	0
TOTAL	1,839.0	251.0	3.0	0	0	0	0	17.0	1,075	109.0	445.0	6,967
MEAN	59.3	8.37	.097	0	0	0	0	.55	35.8	3.52	14.4	232
MAX	153	18	1.0	0	0	0	0	11	65	16	41	762
MIN	6.0	1.0	0	0	0	0	0	0	11	0	0	61
AC-FT	3,650	498	6.0	0	0	0	0	34	2,130	216	883	13,820
CAL YR 1962	TOTAL	15,162.00	MEAN	41.5	MAX	274	MIN	0	AC-FT	30,080		
WAT YR 1963	TOTAL	10,706.00	MEAN	25.3	MAX	762	MIN	0	AC-FT	21,240		

Note --No gage-height record Apr 3 to May 7

## 2-2908 Taylor Slough near Homestead, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTUBE 1964 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	594	22	1.0	2.0	0	0	0	2.0	7 0	15	10	10
2	527	18	0	1.0	0	0	0	2.0	11	29	9.0	14
3	476	14	0	1.0	0	0	0	2.0	11	28	11	13
4	450	12	0	1.0	0	0	0	2.0	12	25	13	12
5	406	23	0	1.0	0	0	0	2.0	15	20	14	13
6	367	40	0	1.0	0	0	0	1.0	30	20	18	14
7	360	39	0	1.0	0	0	0	1.0	36	33	18	14
8	354	50	0	1.0	0	0	0	44	40	15	14	14
9	348	40	0	1.0	0	0	0	45	51	14	13	16
10	341	29	0	1.0	0	0	0	61	75	20	16	16
11	304	28	0	0	0	0	0	63	108	26	27	27
12	286	26	0	1.0	0	0	0	58	115	23	28	28
13	258	23	0	1.0	0	0	0	55	115	19	61	19
14	254	25	0	1.0	0	0	0	46	87	15	98	98
15	220	21	0	1.0	0	0	0	2.0	48	74	18	120
16	198	13	0	0	0	0	0	2.0	42	58	22	120
17	187	14	0	0	0	0	0	1.0	44	68	22	108
18	172	11	0	0	0	0	0	1.0	29	78	18	94
19	153	10	0	0	0	0	0	1.0	23	68	15	96
20	152	9 0	0	0	0	0	0	1.0	20	59	15	78
21	112	5.0	0	0	0	0	0	2.0	15	49	16	74
22	5 50	0	0	0	0	0	0	2.0	13	42	14	66
23	54	4 0	0	0	0	0	0	2.0	24	35	14	58
24	72	3.0	0	0	0	0	0	2.0	30	29	14	49
25	61	3 0	0	0	0	0	0	2.0	32	24	11	44
26	24	2.0	0	0	0	0	0	2.0	33	23	10	39
27	47	0	0	0	0	0	0	2.0	31	20	12	35
28	42	1.0	0	0	0	0	0	2.0	27	16	12	33
29	35	1 0	0	0	0	0	0	3.0	22	15	10	27
30	32	1 0	0	0	0	0	0	4.0	19	14	10	30
31	26	-----	1.0	-----	-----	0	-----	7.0	-----	12	10	-----
TOTAL	7,027	484.0	2.0	15.0	0	0	2.0	54.0	948.0	1,445	466.0	1,648
MEAN	227	16.1	0.063	48	0	0	0.067	1.74	31.6	46.6	15.1	46.9
MAX	594	40	1.0	2.0	0	0	2.0	8.0	63	115	26	120
MIN	26	1 0	0	0	0	0	0	0	7 0	12	9 0	10
AC-FT	13,900	966	4.0	30	0	0	4.0	107	1,830	2,870	928	2,790
CAL YR 1963	TOTAL 16,140.00	MEAN 44.2	MAX 762	MIN 0	AC-FT 32,010							
WAT YR 1964	TOTAL 11,863.00	MEAN 32.4	MAX 594	MIN 0	AC-FT 23,530							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTUBE 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	132	16	0	0	0	0	0	0	0	0	0
2	23	141	14	0	0	0	0	0	0	0	0	0
3	25	147	12	0	0	0	0	0	0	0	0	0
4	23	153	19	0	0	0	0	0	0	0	0	0
5	21	159	9.0	0	0	0	0	0	0	0	0	0
6	20	162	10	0	0	0	0	0	0	0	0	0
7	19	150	9.0	0	0	0	0	0	0	0	0	1.0
8	17	132	6.0	0	0	0	0	0	0	0	0	19
9	16	123	7.0	0	0	0	0	0	0	0	0	125
10	18	104	6.0	0	0	0	0	0	0	0	0	147
11	18	77	6.0	0	0	0	0	0	0	0	0	153
12	16	73	5.0	0	0	0	0	0	0	0	0	135
13	16	67	5.0	0	0	0	0	0	0	0	0	127
14	18	58	4 0	0	0	0	0	0	0	0	0	103
15	22	47	4.0	0	0	0	0	0	0	0	0	94
16	20	42	3 0	0	0	0	0	0	0	0	0	84
17	19	36	3.0	0	0	0	0	0	0	0	0	81
18	16	23	2 0	0	0	0	0	0	0	0	0	82
19	14	23	2.0	0	0	0	0	0	0	0	0	74
20	12	19	2.0	0	0	0	0	0	0	0	0	65
21	11	15	2.0	0	0	0	0	0	0	0	0	58
22	10	12	2.0	0	0	0	0	0	0	0	0	48
23	8.0	10	2.0	0	0	0	0	0	0	0	0	42
24	7.0	7.0	1.0	0	0	0	0	0	0	0	0	36
25	6.0	12	1.0	0	0	0	0	0	0	0	0	30
26	6.0	20	1.0	0	0	0	0	0	0	0	0	30
27	6.0	20	1 0	0	0	0	0	0	0	0	0	30
28	12	20	1.0	0	0	0	0	0	0	0	0	26
29	53	20	1 0	0	0	0	0	0	0	0	0	22
30	88	19	1.0	0	0	0	0	0	0	0	0	18
31	115	-----	1.0	-----	-----	0	-----	-----	-----	0	0	-----
TOTAL	702.0	2,043.0	151.0	0	0	0	0	0	0	0	0	1,647.0
MEAN	22.6	66.2	4.87	0	0	0	0	0	0	0	0	54.9
MAX	115	162	16	0	0	0	0	0	0	0	0	150
MIN	6.0	9.0	1.0	0	0	0	0	0	0	0	0	0
AC-FT	1,390	4,060	300	0	0	0	0	0	0	0	0	3,270
CAL YR 1964	TOTAL 7,230.00	MEAN 19.8	MAX 162	MIN 0	AC-FT 14,360							
WAT YR 1965	TOTAL 4,543.00	MEAN 12.5	MAX 162	MIN 0	AC-FT 9,010							

Note --No gage-height record Apr 17 to June 9



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2908 5 Shark River near Homestead, Fla

Location --Lat 25°23'10", long 81°01'00", in NW¼ sec 27, T 58 S, R 33 E, Monroe County, 30 ft from left bank, 2.4 miles downstream from Tarpon Bay, 7.0 miles upstream from mouth, and 33 miles west of Homestead, Dade County

Records available --August 1960 to September 1965

Gage --Digital water-stage and deflection-meter recorders Prior to Mar 27, 1965, graphic water-stage and deflection-meter recorder

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the period August 1960 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1960	Sept 10, 1960	402	Aug 24, 1960	123	Sept 10, 1960	208	Sept 12-16	0
1961	Nov 8, 1960	231	May 21, 1961	87.3	Apr 16, 1961	138	Nov 8, 1960	0
1962	June 16, 1962	193	Mar 6, 1962	63.0	Mar 6, 1962	197	Sept 22, 1962	38.0
1963	Sept 26, 1963	247	Apr 13, 1963	70.8	Oct 31, 1963	175	Sept 26, 27	0
1964	Oct 5, 1963	201	May 3, 1964	46.5	Nov 29, 1963	151	Apr 5, 1964	14.0
1965	Sept 8, 1965	175	Oct 15, 1964	37.8	Sept 9, 1965	193	Feb 26, 1965	28.1

Maximum and minimum gage heights, in feet, for the period August 1960 to September 1965 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage height	Date	Gage height
1960	Sept 10, 1960	3.63	Sept 10, 1960	-0.30
1961	Nov 1, 1960	2.26	Jan 5, 1961	-1.24
1962	Mar 7, 1962	1.96	Apr 4, 1962	-1.14
1963	Sept 29, 1963	2.46	Mar 23, 1963	-1.28
1964	Oct 1, 1963	1.96	Dec 17, 1963	-1.70
1965	Sept 9, 1965	2.02	Mar 21, 1965	-1.47

1960-65 Maximum daily downstream flow, 402,000,000 cu ft Sept 10, 1960, minimum daily downstream, 37,900,000 cu ft Oct 15, 1964, maximum daily upstream flow, 208,000,000 cu ft Sept 10, 1960, no upstream flow on some days in some years Maximum gage height, 3.63 ft Sept 10, 1960, minimum, -1.70 ft Dec 17, 1963

Remarks --Records good Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, AUGUST TO SEPTEMBER 1960

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	April		May		June		July		August		September	
1									-	-	145	60.1
2									-	-	152	56.5
3									-	-	154	83.6
4									-	-	144	80.4
5									-	-	145	84.9
6									-	-		
7									-	-	142	85.2
8									-	-	160	69.6
9									-	-	177	38.4
10									-	-	231	22.9
11									-	-	402	208
12												
13									147	83.6	240	38.1
14									145	67.8	331	0
15									152	48.7	340	0
16									146	40.6	335	0
17									135	58.9	337	0
18												
19									139	66.3	334	0
20									132	77.7	285	3.80
21									130	78.7	250	15.5
22									155	71.1	237	23.2
23									132	94.7	255	19.4
24												
25									136	87.4	217	27.1
26									140	87.6	187	50.5
27									140	95.7	170	54.7
28									123	92.1	155	76.4
29									134	84.6	174	43.6
30												
31												
									147	68.8	229	7.86
									153	45.3	212	11.7
									148	56.2	190	19.4
									131	63.9	166	42.8
									148	59.9	194	35.1
									147	67.2	-----	-----

2-2908 5 Shark River near Homestead, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October			November		December		January		February		March	
1	191	23 6	169	95 4	185	40 7	137	82 1	144	98 0	130	105
2	203	31 3	187	47 6	191	39 7	177	66 3	133	107	144	94 6
3	201	38 8	225	23 4	168	50 1	165	65 7	151	101	142	110
4	193	46 3	217	27 0	159	62 3	170	53 0	165	67 0	132	110
5	189	46 3	180	49 8	143	78 2	158	76 8	164	54 3	126	111
6	154	77 9	174	65 5	148	74 8	143	86 5	143	82 9	123	104
7	163	78 5	209	27 0	149	79 3	139	79 2	109	71 1	133	96 9
8	163	51 0	231	0	140	76 2	137	76 2	133	52 1	113	116
9	188	47 0	183	29 6	140	64 6	153	57 5	135	55 5	100	107
10	198	27 0	162	22 5	125	45 6	144	66 2	134	54 8	168	49 9
11	183	15 4	166	22 5	151	49 5	127	78 3	145	84 1	121	93 0
12	168	15 4	181	30 0	158	22 6	143	83 3	149	80 8	126	108
13	168	15 4	179	33 8	204	10 8	140	96 0	159	73 4	129	114
14	165	17 0	179	41 0	165	60 8	148	82 5	160	84 8	138	97 7
15	186	27 0	168	48 4	131	109 8	148	82 7	157	96 2	148	105
16	160	46 5	160	75 7	159	72 7	171	74 0	161	101	156	109
17	168	62 0	158	64 9	170	67 8	173	66 1	147	95 2	154	118
18	172	69 8	141	80 7	182	48 6	167	92 0	147	101	146	129
19	161	73 7	186	84 9	165	74 6	145	128	147	86 7	126	123
20	162	89 9	201	57 2	169	86 1	135	94 4	151	79 8	115	115
21	158	82 0	181	56 7	133	115	151	74 6	146	84 9	127	116
22	173	81 8	187	48 7	178	57 2	170	43 6	152	72 1	120	94 0
23	175	58 2	142	67 8	176	24 7	143	68 8	143	85 0	123	70 9
24	167	61 8	177	56 5	155	64 4	139	64 7	109	72 1	119	62 9
25	152	50 1	153	60 4	165	52 7	145	64 2	120	70 1	116	61 7
26	155	53 6	156	49 0	132	68 3	140	68 6	149	57 4	122	86 2
27	135	61 8	165	52 3	143	72 4	151	58 3	158	82 1	131	87 5
28	153	73 5	162	60 0	151	65 3	151	72 6	140	98 0	125	111
29	161	58 2	156	64 0	149	76 9	141	88 1	-	-	130	108
30	174	50 1	168	60 7	154	81 7	161	58 1	-----	-----	137	105
31	160	81 3	-----	-----	154	85 4	134	78 5	-----	-----	114	137
April			May		June		July		August		September	
1	119	123	118	132	140	93 9	140	97 0	129	98 8	126	93 1
2	138	86 8	112	123	120	109	140	85 9	128	86 8	125	66 1
3	126	101	109	112	122	110	141	89 8	120	86 1	120	76 6
4	92 8	137	118	103	125	110	134	78 5	106	86 4	120	83 9
5	136	81 4	127	91 2	128	91 6	136	59 2	130	90 0	115	84 7
6	112	104	134	85 6	124	95 0	138	73 1	129	74 5	125	84 8
7	92 5	117	112	95 0	125	98 0	138	80 4	135	73 6	122	95 9
8	148	54 8	106	117	130	94 6	138	80 6	143	77 5	119	101
9	107	117	126	116	125	103	132	81 1	136	92 9	120	109
10	120	109	119	104	127	97 7	150	73 8	136	96 2	124	113
11	136	85 4	116	97 0	140	85 9	139	81 0	133	96 6	131	113
12	117	124	133	96 2	152	80 6	151	76 6	133	101	124	113
13	125	114	132	103	147	87 3	133	94 3	141	105	121	102
14	135	98 0	115	118	136	105	124	98 7	134	105	124	98 0
15	118	125	111	122	130	116	127	83 9	130	86 1	137	85 9
16	101	138	125	111	127	102	129	97 5	128	98 0	108	93 1
17	147	78 2	125	103	111	103	133	90 5	117	86 7	106	101
18	131	72 9	120	105	138	91 6	107	98 9	131	82 7	112	105
19	127	106	114	106	121	95 5	124	84 1	117	75 2	114	102
20	134	67 7	111	103	118	95 9	121	84 2	110	79 5	114	103
21	114	62 6	87 3	96 6	98 2	101	111	84 2	132	91 1	107	106
22	95 7	91 2	97 7	96 2	122	85 0	120	83 9	129	72 2	124	94 2
23	103	88 3	98 2	97 0	134	83 9	126	94 1	163	75 5	124	102
24	106	98 9	119	85 0	135	84 2	124	91 2	149	71 5	107	122
25	112	93 5	118	77 3	139	88 3	122	110	132	94 6	112	130
26	117	102	99 4	86 8	143	95 9	127	112	140	110	112	115
27	117	106	119	92 1	134	101	135	121	129	107	123	107
28	118	117	130	67 5	155	97 5	129	118	126	99 1	118	99 1
29	136	90 3	133	81 7	138	97 7	115	126	133	95 2	108	95 2
30	129	108	142	92 0	134	105	118	118	141	67 3	103	79 5
31	-----	-----	138	98 4	-----	-----	125	114	137	85 9	-----	-----

2-2908 5 Shark River near Homestead, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	99 9	72 1	93 0	98 8	113	86 9	88 0	115	104	99	95 6	109
2	109	59 9	107	87 4	111	99 2	115	86 1	114	104	100	113
3	106	114	113	87 7	114	106	113	93 9	115	98 2	132	131
4	106	75 3	110	86 7	114	106	114	96 3	113	119	95 9	128
5	123	74 6	103	102	105	123	112	108	108	137	107	122
6	126	92 4	104	119	106	113	104	110	105	134	63 0	197
7	119	99 9	108	119	117	105	121	91 4	111	107	103	160
8	125	95 9	105	108	130	93 3	118	114	108	121	109	115
9	119	101	126	99 5	126	96 2	118	100	100	125	90 7	123
10	112	112	115	95 5	120	116	103	113	87 7	127	94 8	128
11	110	120	114	95 0	122	111	108	89 7	129	63 8	66 3	164
12	118	125	114	90 8	101	115	108	82 4	73 5	117	74 3	134
13	115	111	112	86 1	112	88 7	95 5	84 0	89 2	113	106	74 0
14	97 7	119	101	89 2	113	86 9	93 1	91 8	99 7	106	146	49 1
15	142	64 2	101	100	105	93 2	105	101	109	102	100	83 8
16	146	75 9	108	104	111	92 5	115	96 6	96 5	113	110	60 4
17	108	114	102	97 7	109	101	117	92 4	104	106	132	50 3
18	95 4	120	103	98 0	104	103	118	99 9	117	102	108	76 7
19	82 9	123	113	101	115	95 7	103	113	110	117	110	113
20	83 6	131	114	98 8	122	84 7	117	109	123	105	105	126
21	106	116	140	78 2	119	79 5	128	96 8	113	116	98 9	135
22	109	115	119	111	116	105	121	104	110	124	106	112
23	120	116	96 8	130	104	114	117	128	110	120	99 9	133
24	120	116	125	98 4	118	95 9	115	114	93 5	129	77 7	127
25	123	115	129	77 7	112	90 0	98 5	115	104	104	91 4	127
26	115	91 4	108	103	104	92 8	105	119	97 5	99 9	65 5	143
27	134	75 2	95 0	109	102	97 7	102	112	98 0	86 1	118	68 3
28	112	85 6	91 8	101	77 0	123	92 6	102	88 3	97 3	133	43 7
29	112	85 6	92 1	98 0	121	57 1	114	70 0	-	-	105	86 2
30	101	104	110	51 1	116	55 6	94 4	93 6	-----	-----	92 4	116
31	81 6	113	-----	-----	87 3	69 3	98 8	106	-----	-----	107	117
April			May		June		July		August		September	
1	111	107	113	113	116	120	150	106	103	113	143	87 6
2	132	71 7	111	133	92 1	121	168	83 8	130	97 5	142	79 5
3	125	91 2	115	118	106	120	150	103	127	97 5	131	79 3
4	119	105	102	131	120	101	140	99 0	131	105	135	86 7
5	124	131	112	127	109	112	126	107	124	105	121	79 3
6	96 2	102	100	110	110	113	122	103	131	86 4	111	76 0
7	66 6	161	103	117	103	102	156	94 2	116	90 0	118	68 4
8	112	116	93 7	125	110	79 0	127	82 5	106	101	125	79 7
9	115	95 9	97 5	107	102	82 1	128	60 3	118	99 1	128	79 1
10	116	90 7	84 0	112	136	61 0	126	67 2	141	69 2	132	87 3
11	108	97 0	87 3	96 2	111	94 9	119	77 7	152	53 8	128	94 9
12	91 9	97 5	101	103	117	102	122	82 9	158	53 3	136	95 2
13	98 5	82 9	107	87 5	115	95 9	123	89 3	140	80 2	136	111
14	115	84 0	119	67 0	108	92 9	141	86 1	151	87 6	130	115
15	93 8	107	109	98 2	142	98 4	155	97 3	140	95 5	127	112
16	103	105	88 3	126	193	57 0	158	97 0	137	99 5	123	116
17	112	91 4	115	97 3	141	67 7	148	97 5	147	91 7	134	100
18	108	111	96 5	124	141	86 2	128	113	137	88 0	137	88 2
19	131	117	108	133	128	102	157	91 1	151	84 2	133	99 3
20	96 5	128	94 7	134	118	114	150	83 6	143	72 4	116	80 7
21	123	108	88 4	139	119	115	149	90 6	153	60 4	125	74 0
22	111	87 3	81 5	136	161	68 6	145	98 0	121	79 7	168	38 0
23	96 2	125	95 4	116	149	75 3	130	105	118	68 3	150	60 7
24	95 3	130	84 8	120	134	86 2	133	85 9	139	75 7	178	71 9
25	95 6	119	95 0	105	127	82 5	130	89 6	135	68 1	136	85 8
26	86 0	128	101	88 8	130	78 5	140	85 0	122	87 9	137	88 0
27	85 7	120	94 3	115	147	85 9	140	74 5	134	99 7	117	108
28	99 2	109	105	101	145	82 5	136	78 0	141	92 1	120	105
29	115	111	115	92 3	146	98 2	134	101	148	80 4	145	88 5
30	105	123	115	95 7	146	91 1	137	90 0	151	91 7	137	92 1
31	-----	-----	115	99 6	-----	-----	128	113	136	83 6	-----	-----

2-2908 5 Shark River near Homestead, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	148	95 9	109	116	108	122	96 5	121	89 6	113	87 6	129
2	137	84 4	123	96 3	97 3	123	94 7	127	89 4	113	95 6	109
3	140	68 8	105	115	94 1	119	94 7	119	104	106	104	89 4
4	144	68 9	103	93 3	94 3	123	104	110	98 2	93 3	99 5	102
5	135	77 2	131	56 3	94 6	131	111	121	91 7	101	107	103
6	138	69 4	136	85 0	101	68 6	98 0	134	88 6	109	102	101
7	140	57 3	125	103	125	76 0	89 7	141	110	101	114	85 4
8	133	80 2	120	116	118	106	96 6	98 8	103	113	119	83 0
9	134	88 2	91 4	144	105	108	106	109	105	93 1	96 0	120
10	147	84 0	123	104	134	78 7	113	105	111	99 2	111	118
11	157	75 5	136	99 1	126	108	102	105	101	123	111	108
12	152	86 7	119	119	126	101	106	120	85 4	136	102	119
13	136	103	131	116	143	79 2	99 2	121	111	77 7	104	107
14	136	107	163	64 2	115	108	112	96 6	108	78 7	101	114
15	143	83 6	125	103	114	114	107	95 0	86 9	88 8	91 0	111
16	146	90 6	116	116	108	114	103	81 3	98 8	56 0	94 3	104
17	125	110	109	97 3	111	99 2	81 3	119	91 0	69 1	102	104
18	97 0	115	99 4	121	103	106	78 7	105	82 1	97 7	87 6	96 6
19	108	95 7	116	89 6	106	98 2	92 9	98 4	76 0	128	81 0	96 8
20	111	85 5	122	89 2	109	93 7	93 6	106	110	87 3	85 7	120
21	111	99 3	112	105	102	105	104	92 0	109	94 1	98 2	89 9
22	95 0	124	120	90 2	106	112	116	80 9	116	93 9	105	83 8
23	106	101	137	68 1	120	98 4	95 6	127	123	88 1	107	86 4
24	150	53 2	114	95 9	126	105	123	98 0	113	124	108	97 3
25	150	62 9	119	108	116	120	108	100	117	117	104	128
26	135	81 0	125	96 8	121	114	104	129	95 0	157	97 0	147
27	142	78 7	99 7	131	121	114	108	118	118	88 1	98 0	145
28	119	109	105	111	121	110	121	98 7	113	95 4	91 2	138
29	118	110	106	120	115	118	117	103	-----	-----	91 2	127
30	99 2	132	99 9	121	124	95 2	95 8	131	-----	-----	100	95 2
31	76 9	175	-----	-----	112	112	93 6	125	-----	-----	109	79 3
April			May		June		July		August		September	
1	91 4	86 8	78 9	102	97 7	92 4	112	101	107	87 5	131	75 3
2	81 4	97 0	109	59 6	104	92 4	113	94 3	114	95 5	131	98 0
3	92 4	109	113	88 1	111	92 0	114	95 5	128	88 1	124	94 3
4	93 8	110	96 9	92 4	97 5	88 7	119	89 3	122	99 4	121	102
5	99 4	116	104	107	105	99 9	119	105	117	98 7	116	111
6	90 7	129	99 2	112	109	106	129	104	115	108	109	104
7	71 7	160	107	102	108	104	112	112	112	111	123	92 3
8	106	105	110	109	105	111	106	124	110	113	116	100
9	98 2	116	99 7	124	102	112	114	121	106	109	124	81 3
10	91 4	123	90 3	125	109	105	103	113	117	102	130	76 9
11	84 6	124	94 3	118	102	109	113	105	117	94 0	123	72 7
12	91 8	120	94 3	122	95 0	97 3	123	93 3	116	85 9	150	49 4
13	70 8	132	93 6	103	103	94 3	119	88 7	133	85 6	140	72 2
14	94 3	89 2	95 2	102	105	85 9	111	95 9	122	78 0	143	75 9
15	94 9	71 9	90 1	114	119	70 9	123	89 3	126	81 4	136	83 5
16	84 8	79 2	93 6	103	140	74 6	126	81 7	126	89 3	135	82 9
17	83 6	92 4	90 5	118	143	74 3	128	81 0	126	96 6	126	91 8
18	84 8	119	108	99 4	136	88 7	127	76 6	122	104	130	100
19	99 0	105	115	99 4	142	88 3	119	97 7	125	99 9	131	92 4
20	99 4	102	111	99 2	128	107	108	123	116	97 0	115	111
21	106	109	112	115	122	118	103	125	113	105	144	70 2
22	103	109	105	112	126	112	103	117	120	101	162	46 5
23	103	113	102	128	129	96 2	118	106	120	90 2	166	27 1
24	97 7	133	95 6	117	132	99 4	113	101	124	94 0	178	23 3
25	97 7	126	109	105	121	99 2	125	88 3	117	90 2	156	35 4
26	90 7	134	98 2	105	115	140	116	76 0	120	67 8	247	0
27	100	106	102	89 6	128	84 7	102	93 5	112	71 1	212	0
28	98 2	89 9	105	85 4	108	84 7	95 3	101	112	70 9	159	54 7
29	92 9	95 2	111	77 3	107	76 7	113	87 1	126	74 0	99 5	118
30	74 0	111	104	73 6	109	83 3	89 0	83 5	115	81 9	178	48 0
31	-----	-----	104	92 4	-----	-----	110	90 9	119	97 0	-----	-----

2-2908 5 Shark River near Homestead, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October		November		December		January		February		March		
1	191	27 6	126	111	129	89 3	130	93 7	109	123	103	74 0
2	178	42 9	127	108	125	103	132	68 3	114	103	101	121
3	177	47 1	142	75 3	105	116	127	96 1	102	91 0	102	104
4	190	31 2	150	93 3	119	108	111	100	109	95 0	102	111
5	201	23 2	108	130	115	103	121	103	98 8	119	93 8	107
6	195	22 7	95 0	128	110	105	104	99 7	72 4	98 7	97 7	76 2
7	149	60 3	105	96 3	99 0	94 1	99 0	97 7	101	100	84 5	82 9
8	122	76 2	122	68 6	86 4	117	111	92 8	106	56 4	84 2	100
9	123	57 7	151	86 7	114	79 7	98 0	108	106	68 4	96 4	110
10	126	61 1	108	107	105	93 2	124	59 2	96 2	81 5	97 5	107
11	140	68 8	116	92 3	108	101	98 2	101	102	101	109	95 0
12	137	69 0	137	80 2	109	112	103	113	116	82 5	109	106
13	160	57 2	134	75 0	110	106	108	100	106	105	107	106
14	146	64 2	139	73 4	107	110	129	82 7	114	116	107	125
15	149	67 8	136	75 7	126	90 0	116	88 1	109	130	108	133
16	135	75 5	125	93 2	122	80 5	117	114	110	124	102	123
17	136	87 4	125	89 7	108	74 0	108	118	115	108	95 8	131
18	146	79 7	113	112	105	122	121	102	93 3	159	95 0	119
19	122	95 5	118	107	117	103	119	97 0	101	110	93 8	99 7
20	123	100	119	104	98 8	116	106	116	102	89 9	68 6	127
21	120	96 6	108	107	113	112	117	92 1	96 0	88 0	76 0	117
22	113	92 9	94 7	116	101	100	97 5	107	100	99 2	135	53 7
23	128	96 8	86 6	117	96 2	118	98 5	108	84 5	84 0	168	83 0
24	98 7	93 1	103	109	103	102	108	100	109	101	171	59 4
25	110	81 6	113	109	108	100	115	108	105	119	156	77 3
26	126	57 3	116	101	109	108	114	78 3	119	104	157	79 8
27	123	84 4	94 0	107	109	103	110	107	110	117	173	66 4
28	103	121	113	121	107	114	119	109	101	137	165	80 0
29	107	97 8	87 3	151	115	115	124	76 2	133	81 0	167	77 3
30	137	69 0	128	90 6	127	91 2	111	97 0	-----	-----	184	61 3
31	143	87 3	-----	-----	120	105	107	128	-----	-----	156	70 3
April		May		June		July		August		September		
1	163	63 6	90 3	103	97 5	85 0	128	88 3	110	84 8	116	86 1
2	156	58 9	79 9	103	100	73 4	111	92 4	118	88 0	121	94 3
3	158	59 4	46 5	144 4	90 3	88 3	125	84 8	121	95 0	122	95 0
4	137	46 1	104	36 9	100	87 7	115	95 7	112	92 9	126	76 4
5	173	14 0	85 5	68 9	104	81 0	122	96 2	112	97 3	130	92 3
6	156	45 7	87 4	92 8	108	81 7	126	97 0	113	97 7	141	80 7
7	150	60 0	94 1	99 9	114	83 3	133	85 9	120	101	140	76 4
8	168	71 4	98 0	97 7	128	79 1	123	97 3	120	101	126	80 2
9	175	68 0	97 3	107	124	86 7	123	112	117	101	95 0	120
10	163	71 9	94 7	119	124	98 0	123	101	113	102	78 0	134
11	184	72 2	92 1	128	128	90 4	130	101	113	105	129	66 3
12	175	71 5	92 5	132	135	86 7	128	92 0	110	90 2	120	61 8
13	175	71 5	85 4	117	129	81 9	124	95 2	120	75 0	88 0	50 5
14	162	75 1	96 1	114	125	80 8	128	71 4	109	74 5	125	19 0
15	172	75 3	105	97 0	122	88 3	112	83 8	109	70 8	129	22 5
16	172	56 0	97 3	84 7	118	77 1	99 8	91 8	104	62 6	109	56 0
17	172	44 9	91 9	79 5	114	84 5	112	79 2	114	62 4	98 9	71 4
18	151	54 3	93 8	81 9	117	76 7	106	74 2	111	62 6	110	67 8
19	147	69 6	82 8	80 9	131	80 4	106	74 0	123	82 3	114	87 0
20	162	48 1	91 0	82 3	131	77 1	108	85 6	118	90 6	111	87 6
21	136	75 7	105	97 3	128	80 4	105	97 5	119	74 5	101	104
22	91 7	101	104	85 9	138	76 9	110	98 7	126	89 2	109	92 7
23	96 4	102	101	92 8	128	84 7	118	103	126	88 7	98 7	105
24	98 0	104	102	101	133	92 4	118	95 2	128	77 3	92 0	109
25	99 0	116	95 8	102	122	92 9	112	107	128	76 9	95 5	70 2
26	103	117	103	106	133	81 4	112	104	125	80 8	116	69 6
27	96 8	121	99 7	98 4	125	88 3	115	96 2	85 9	122	123	49 3
28	90 3	114	93 1	102	119	92 9	108	92 0	94 1	100	137	37 0
29	86 8	114	83 8	115	126	88 7	111	95 5	118	76 0	97 3	84 7
30	94 3	107	87 4	104	118	88 3	111	95 5	130	56 0	105	81 9
31	-----	-----	97 7	100	-----	-----	111	95 7	108	78 0	-----	-----

2-2908 5 Shark River near Homestead, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	95 3	101	125	103	131	98 4	110	103	101	111	90	106
2	114	106	112	115	112	116	115	106	102	116	104	121
3	125	102	125	104	108	119	106	116	117	95 9	118	121
4	125	102	137	98	112	112	125	86	102	105	80 7	127
5	102	143	141	74 9	122	96 6	103	117	102	101	81 5	132
6	104	107	137	90	130	83 7	96 5	135	90 3	121	65 5	189
7	142	90 8	128	94 3	120	77 7	101	118	92 4	127	118	86 7
8	114	114	127	90 2	109	91 1	109	105	101	107	97 7	104
9	118	107	119	78 4	96	95	95 8	116	83 1	113	102	82 9
10	124	79 1	122	74	99 7	91 8	89	112	100	103	87 4	99 9
11	119	74 4	101	85 4	97 1	110	89 4	120	90 5	128	87 1	99 5
12	108	89 2	94 5	88 7	85 1	116	106	102	112	126	83 7	103
13	98 7	95 7	111	84 7	96 5	113	109	116	76 5	129	102	104
14	99 2	132	120	98	96 2	113	106	112	90 7	126	105	101
15	37 9	159	112	105	123	84 7	104	125	121	99 2	99 2	109
16	85 4	94 5	120	106	107	110	98 2	123	107	121	111	106
17	124	69 5	111	117	105	116	110	91 4	97 3	129	107	121
18	118	76 2	112	123	111	117	109	108	90 7	134	101	126
19	115	107 2	103	136	123	94 6	113	120	88	135	103	113
20	122	99 1	104	134	113	123	103	116	101	107	95 9	116
21	139	73 8	122	114	107	110	105	119	83 6	111	118	69 5
22	133	101	130	100	112	123	105	104	110	80 1	98	104
23	126	100	121	99	101	115	98 8	112	72 5	125	85 6	94 5
24	126	105	95 3	131	94 9	135	102	108	80 6	81 9	56 7	95 6
25	119	104	104	111	105	104	101	92 8	50 8	139	83 4	77 9
26	119	101	99 2	71 6	104	106	90 3	103	139	28 1	83 4	85
27	124	80 4	122	74 3	114	76 7	77 1	89	109	65 5	96 7	85
28	118	80 8	112	104	128	112	107	72 4	98 5	97 7	90	103
29	112	97	119	89 2	122	93 5	89 3	109	-----	-----	79 8	106
30	124	79 1	105	93 3	114	99 5	94 5	125	-----	-----	84	107
31	128	98	-----	-----	106	98 9	95 8	94 3	-----	-----	96	118
April		May		June		July		August		September		
1	103	117	85 4	124	116	106	143	130	111	136	92	
2	101	120	92	134	98 4	125	108	137	116	119	135	
3	81 6	118	97 9	125	94 7	134	112	122	129	99 9	117	
4	87 8	125	85 8	114	89	125	116	110	127	89 3	130	
5	87 2	124	87 4	127	94 5	115	110	110	111	109	130	
6	83 2	119	86 3	115	107	103	110	111	119	104	139	
7	73 6	122	85 6	107	95 2	120	112	116	117	103	131	
8	76	118	77 9	111	103	111	111	108	116	115	175	
9	69	128	79 5	119	110	98 9	110	110	120	116	70	
10	88 6	122	104	113	117	92 2	122	107	119	124	138	
11	99 1	112	109	108	105	106	124	97 3	129	119	147	
12	106	112	102	122	101	112	111	117	136	104	145	
13	103	120	100	125	98 3	124	118	124	131	116	152	
14	109	112	113	112	101	119	125	107	125	120	133	
15	104	121	95 7	114	97 7	122	115	123	124	127	141	
16	95 1	143	88 2	110	100	121	115	127	120	128	143	
17	99 9	128	89 4	121	105	107	110	125	123	121	157	
18	103	116	93 7	124	93 6	128	107	124	127	112	151	
19	94	123	97 5	118	103	108	113	113	117	115	131	
20	91	119	95 7	108	107	98 4	120	98 9	114	118	138	
21	104	87 6	84 5	106	101	111	124	87 2	127	112	130	
22	92 5	81	88 4	80 7	101	108	113	105	136	105	129	
23	83 9	77 6	57 8	99 8	97 2	117	127	101	129	109	134	
24	80 7	87 4	69 6	109	105	119	127	99 6	114	132	129	
25	96	97 5	92 8	108	107	117	131	104	116	136	125	
26	105	105	102	110	116	111	132	104	123	143	121	
27	105	105	102	115	126	95 7	131	111	128	121	140	
28	113	98 9	104	122	109	111	126	133	122	124	137	
29	117	97 5	102	131	99 6	124	108	156	128	120	141	
30	78 3	94 2	101	139	105	139	118	134	137	99 2	134	
31	-----	-----	110	125	-----	-----	131	119	140	90 7	-----	

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2908 6 Harney River near Homestead, Fla

Location --Lat 25°25'20", long 81°01'30", in SE¼ sec 9, T 58 S, R 33 E, Monroe County, 30 ft streamward from left bank, 1 3 miles downstream from Tarpon Bay, 8 9 miles upstream from mouth, 20 miles northwest of Flamingo, and 33 miles west of Homestead, Dade County

Records available --August 1960 to September 1965

Gage --Digital water-stage and deflection-meter recorders Prior to Mar 30, 1965, graphic water-stage and deflection-meter recorder

Extremes --Maximum and minimum daily volumes of flow downstream and upstream, in millions of cubic feet, for the period August 1960 to September 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1960	Sept 12, 1960	204	Sept 11, 1960	74 0	Sept 10, 1960	209	Sept 12, 13	0
1961	Nov 8, 1960	140	Apr 22, 1961	51 9	Sept 21, 1961	133	Dec 13, 1960	29 2
1962	Mar 8, 1962	126	Mar 25, 1962	8 47	Mar 25, 1962	155	Mar 6, 1962	- 7 52
1963	Sept 26, 1963	136	Apr 30, 1963	41 7	Oct 31, 1962	149	Sept 26, 1963	16 1
1964	Oct 5, 1963	146	May 3, 1964	33 7	Nov 29, 1963	146	Sept 14, 1964	45 0
1965	Sept 8, 1965	a 145	Oct 15, 1964	5 62	Sept 9, 1965	a 196	Sept 18, 1965	43 0

a Estimated

Maximum and minimum gage heights, in feet, for the period August 1960 to September 1965 are contained in the following table

Water year	Maximum		Minimum	
	Date	Gage height	Date	Gage height
1960	Sept 10, 1960	3 22	Aug 16, 1960	0 02
1961	Nov 1, 1960	2 16	Apr 22, 1961	- 96
1962	Mar 12, 1962	1 78	Dec 31, 1961	- 87
1963	Sept 29, 1963	2 28	Mar 23, 1963	-1 02
1964	Oct 1, 1963	1 98	Dec 17, 1963	-1 34
1965	Sept 9, 1965	2 12	Mar 22, 1965	-1 08

1960-65 Maximum daily downstream flow, 204,000,000 cu ft Sept 12, 1960, minimum daily downstream, 5,620,000 cu ft Oct 15, 1964, maximum daily upstream flow, 209,000,000 cu ft Sept 10, 1960, no upstream flow Dec 12, 13, 1960 Maximum gage height, 3 22 ft Sept 10, 1960, minimum, -1 34 ft Dec 17, 1963

Remarks --Records good Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, AUGUST TO SEPTEMBER 1960

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
	April		May		June		July		August		September	
1									-	-	105	69 9
2									-	-	112	82 9
3									-	-	99 0	85 8
4									-	-	106	86 8
5									-	-	101	93 1
6									-	-	107	89 8
7									-	-	109	85 8
8									-	-	124	68 4
9									97 2	96 4	149	44 8
10									101	104	89 9	209
11									101	91 2	74 0	143
12									102	73 8	204	0
13									99 3	71 4	190	0
14									84 0	62 7	163	19 4
15									95 6	72 5	147	32 9
16									94 9	67 3	150	36 6
17									102	72 9	130	49 7
18									102	76 1	123	71 5
19									110	73 0	106	72 1
20									93 1	92 4	123	54 8
21									107	96 8	130	70 2
22									106	98 7	134	86 4
23									104	106	109	65 1
24									101	103	94 3	78 5
25									98 6	104	108	44 5
26									115	77 1	140	27 8
27									120	70 6	134	45 2
28									109	74 8	112	52 4
29									92 6	84 2	117	52 9
30									106	67 5	117	41 4
31									109	74 6	-----	-----

2-2908 6 Harney River near Homestead, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	133	37 9	93 1	97 5	124	54 3	103	87 5	93 5	100	86 9	98 1
2	135	41 6	122	58 1	122	56 3	114	76 6	96 9	92 6	90 5	88 5
3	135	46 9	135	49 1	109	61 4	110	73 3	91 6	110	91 4	95 6
4	125	44 8	138	50 1	102	78 1	115	57 5	105	84 2	84 9	101
5	130	52 3	120	70 7	97 1	86 8	95 3	68 3	105	66 4	85 3	105
6	105	62 5	116	73 1	102	88 0	92 4	90 5	90 4	81 7	84 4	105
7	113	49 2	138	49 7	95 2	94 5	89 9	83 5	60 3	114	85 3	93 2
8	123	61 0	140	32 2	93 1	94 8	87 4	81 4	76 6	77 8	89 6	112
9	118	64 8	100	61 3	95 0	84 2	103	55 6	80 2	73 1	58 6	110
10	132	40 5	90 2	65 9	96 6	74 5	81 2	67 0	83 4	71 9	110	44 2
11	114	59 4	96 4	53 0	79 1	89 4	73 4	83 9	86 8	81 3	74 7	71 7
12	103	61 5	97 5	60 3	97 3	85 2	85 0	85 4	101	77 4	73 8	85 4
13	112	57 5	114	60 5	127	29 2	88 9	95 8	103	81 9	80 6	104
14	108	52 0	114	63 9	103	75 9	104	89 6	102	90 4	86 6	96 4
15	116	53 6	111	73 1	80 7	110	107	86 7	104	91 1	93 2	97 4
16	115	73 0	106	78 1	109	94 3	118	83 9	104	103	85 5	107
17	119	73 4	115	83 5	120	73 8	118	72 9	105	98 2	95 0	112
18	123	77 4	109	89 9	116	77 1	112	88 8	89 1	103	101	116
19	115	77 5	114	86 5	117	83 1	94 5	110	100	88 3	94 5	96 7
20	107	91 5	134	70 7	114	88 6	94 9	100	94 3	77 0	80 8	105
21	110	88 3	129	69 9	93 9	118	103	91 2	105	77 4	73 6	108
22	118	86 0	132	65 5	127	60 5	114	58 4	71 5	76 4	70 3	98 3
23	122	75 6	106	87 2	120	43 1	83 4	75 2	61 9	75 5	78 4	69 9
24	118	70 8	111	72 1	90 0	68 9	83 5	73 0	72 8	76 6	63 2	77 6
25	117	72 8	105	81 6	90 0	65 9	88 0	71 2	67 1	89 9	67 5	64 9
26	109	82 2	106	66 0	81 8	79 7	79 0	79 2	94 2	60 2	76 0	75 9
27	97 8	80 4	117	68 9	88 6	83 1	86 5	71 1	84 2	80 4	79 1	80 5
28	109	82 4	119	79 3	97 7	81 7	92 4	76 5	75 5	83 4	88 3	95 2
29	117	72 7	108	74 2	101	79 7	93 6	88 4	-	-	90 8	97 5
30	125	65 1	121	74 7	104	86 4	102	68 9	-----	-----	95 8	94 3
31	110	88 5	-----	-----	104	89 0	101	69 9	-----	-----	85 7	120
April		May		June		July		August		September		
1	75 3	117	85 5	123	94 7	74 3	94 3	92 7	92 4	104	72 3	85 9
2	117	85 0	82 2	116	78 0	97 7	90 5	94 4	93 2	89 9	52 8	66 8
3	93 1	98 2	85 5	110	82 9	92 2	84 0	92 5	79 7	85 2	75 5	74 6
4	81 1	117	105	99 9	78 6	95 8	85 6	88 5	76 8	94 7	75 4	77 7
5	102	79 1	94 3	83 7	86 8	84 0	87 9	69 1	81 9	87 0	70 8	72 0
6	84 6	88 8	82 6	76 9	84 1	87 3	97 1	73 2	82 4	78 8	84 8	80 1
7	66 8	116	72 4	72 9	89 1	80 7	84 5	76 7	86	76 3	76 2	68 7
8	98 1	50 5	65 0	103	89 7	83 1	81 6	80 1	85 0	80 6	80 8	97 4
9	63 7	109	87 6	99 4	86 3	92 6	84 5	78 0	87 4	81 6	81 3	101
10	84 7	93 7	78 1	105	85 4	98 8	92 4	78 1	88 4	89 9	86 8	101
11	105	76 1	97 6	88 1	105	82 3	90 0	81 8	83 6	98 6	90 6	112
12	82 9	108	102	84 1	104	77 5	94 9	73 9	82 9	101	89 3	116
13	88 9	105	99 9	96 2	104	79 0	82 8	82 3	81 8	102	89 8	104
14	113	77 8	96 2	106	86 5	84 8	81 0	93 1	82 0	102	89 6	100
15	96 5	109	94 3	104	82 5	95 4	84 5	84 1	94 0	83 8	91 5	85 0
16	86 4	119	90 9	97 7	82 2	96 5	81 6	79 6	80 9	94 9	72 1	87 4
17	120	69 1	88 7	96 9	79 3	91 8	77 2	78 4	80 7	89 3	62 8	97 1
18	99 3	78 5	83 0	90 5	75 4	89 3	71 9	88 7	76 8	87 3	74 6	99 0
19	86 2	91 6	71 7	97 1	72 7	87 9	65 2	83 1	68 3	89 0	79 2	93 1
20	87 6	68 3	70 2	90 3	71 8	92 1	67 2	81 9	69 2	95 2	79 7	99 4
21	67 8	64 2	61 3	95 0	67 5	102	61 5	89 9	79 0	86 7	92 2	133
22	51 9	81 7	70 0	87 9	76 6	83 3	73 5	81 9	77 2	88 7	98 2	99 4
23	57 6	79 2	63 2	96 1	87 4	79 1	76 4	82 9	96 3	83 3	93 1	113
24	68 7	81 6	79 0	81 0	80 6	84 9	77 0	78 5	90 5	77 9	86 9	113
25	72 1	93 3	86 2	82 4	90 2	80 5	82 3	102	88 2	98 5	86 5	120
26	81 9	94 3	70 0	107	88 4	97 3	92 8	116	90 5	104	86 7	116
27	94 4	102	85 0	92 0	91 2	93 6	91 2	123	87 9	112	89 9	109
28	91 2	97 5	121	71 7	94 5	103	78 2	126	91 8	95 6	87 4	96 6
29	105	80 3	104	81 6	92 4	101	82 3	121	91 2	98 9	84 1	99 9
30	97 7	96 7	100	81 6	89 5	103	89 3	118	101	75 1	76 0	88 1
31	-----	-----	98 5	83 6	-----	-----	89 5	112	86 7	68 6	-----	-----

Note --No gage-height record June 26 to July 26



2-2908 6 Harney River near Homestead, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1961 TO SEPTEMBER 1962												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
	October		November		December		January		February		March	
1	74 3	73 3	52 6	87 3	57 9	73 5	31 6	91 0	66 1	95 2	57 5	102
2	74 9	88 5	66 6	81 7	58 1	82 9	56 3	66 7	79 3	101	68 3	105
3	67 0	85 7	69 1	82 4	64 6	70 5	57 5	68 8	79 7	86 7	72 1	109
4	68 8	85 7	77 4	83 9	64 0	87 3	58 4	78 8	82 7	113	80 8	109
5	91 0	73 4	67 7	90 2	65 7	84 1	64 5	90 5	77 9	120	104	81 0
6	80 0	77 9	69 1	95 6	68 4	94 3	57 2	106	82 9	129	126	7 52
7	81 3	82 9	73 0	90 4	80 4	81 6	78 4	71 2	92 9	93 4	87 1	102
8	80 0	88 6	71 9	91 2	85 9	73 4	71 9	86 8	87 0	108	97 9	99 8
9	80 3	103	83 3	75 0	79 7	82 9	72 0	80 0	80 0	115	73 7	116
10	75 9	98 4	81 0	82 1	77 1	96 1	56 2	103	70 1	113	77 7	113
11	80 4	103	84 2	87 3	71 7	90 4	56 3	86 7	90 2	55 0	52 9	134
12	83 8	102	79 9	77 3	64 0	96 6	49 8	76 3	50 7	91 0	51 8	114
13	82 0	94 3	81 7	81 2	66 7	81 5	40 3	74 3	54 6	90 6	85 3	73 4
14	65 8	107	60 3	74 7	62 6	75 3	44 3	80 8	70 7	90 6	99 4	66 5
15	88 1	71 5	62 0	89 0	51 9	77 1	48 5	88 4	80 4	87 3	79 0	89 2
16	74 7	62 6	65 4	92 5	53 1	85 0	54 4	82 9	75 9	99 7	91 6	56 8
17	56 4	91 7	75 3	87 1	52 0	95 0	58 4	71 5	83 7	89 0	111	11 8
18	53 0	111	61 9	87 5	56 7	97 5	52 6	84 2	89 9	90 3	105	14 9
19	54 6	91 4	76 4	88 3	65 4	89 0	59 1	100	84 9	102	98 1	42 8
20	59 3	118	75 1	94 3	71 7	83 3	73 1	96 8	80 8	96 2	88 0	65 2
21	73 7	96 9	95 3	72 2	72 3	70 2	86 1	85 0	83 5	103	83 8	114
22	75 5	91 2	80 0	98 6	62 4	88 5	75 3	93 6	74 7	124	85 5	102
23	74 0	105	68 4	113	64 4	94 7	74 6	101	77 6	110	38 4	142
24	77 7	80 2	83 4	73 6	66 0	82 4	70 3	107	82 3	94 3	60 7	89 4
25	86 2	91 2	83 4	67 3	66 4	74 1	65 1	105	70 3	93 4	8 47	155
26	86 0	76 2	74 6	74 0	51 3	73 0	70 0	103	61 9	92 4	42 9	134
27	82 5	72 9	52 5	88 0	52 4	89 8	63 6	96 5	54 8	93 4	93 7	71 8
28	69 1	73 4	53 0	87 1	38 4	105	57 5	100	49 2	98 2	86 1	43 2
29	71 5	81 2	53 0	81 6	64 5	60 3	68 8	55 3	-	-	64 8	79 1
30	59 7	82 9	58 4	56 7	39 7	59 1	47 0	73 1	-----	-----	62 6	95 8
31	39 6	102	-----	-----	36 5	69 6	54 4	86 3	-----	-----	72 2	112
	April		May		June		July		August		September	
1	89 6	91 7	87 3	108	87 6	109	107	96 6	98 5	104	104	91 4
2	94 3	70 4	89 6	116	80 0	121	99 4	102	92 9	100	108	85 0
3	95 8	75 5	93 4	97 5	85 5	112	101	98 0	96 2	108	97 3	90 2
4	87 7	88 0	89 3	116	91 4	102	93 4	105	91 2	115	104	86 1
5	89 7	119	91 0	109	63 0	114	95 2	101	91 2	87 5	90 3	84 7
6	77 6	148	87 4	94 7	75 3	99 8	88 6	99 4	92 9	98 4	79 0	91 1
7	73 8	139	78 4	104	61 9	115	107	75 1	87 3	90 7	75 4	85 4
8	76 6	119	74 6	106	87 3	79 8	87 3	90 7	70 2	94 3	83 8	94 3
9	89 6	93 4	74 6	98 7	82 2	81 9	89 4	74 7	77 6	98 9	93 3	86 1
10	83 5	80 4	62 0	105	80 9	63 2	88 0	77 2	79 5	105	96 0	94 3
11	63 2	82 6	70 1	88 6	81 6	95 6	90 5	81 9	96 6	73 8	94 7	92 9
12	49 2	103	70 9	89 4	86 6	95 6	87 6	93 0	113	69 4	96 9	103
13	58 5	84 2	90 5	75 7	75 9	98 2	92 6	91 2	103	79 1	100	97 0
14	70 7	71 5	90 2	63 0	91 8	90 4	96 1	85 9	101	88 6	97 9	109
15	63 4	104	68 1	79 9	85 1	97 5	110	77 2	107	86 7	93 5	118
16	75 5	103	60 0	115	102	81 7	105	91 7	109	96 1	93 5	108
17	84 7	83 1	83 8	89 3	112	80 2	104	95 7	110	94 2	80 3	115
18	78 2	105	79 1	115	109	83 5	95 0	95 2	102	98 8	109	94 2
19	88 4	115	80 4	116	98 5	101	92 5	111	107	87 0	101	99 4
20	84 5	112	77 5	127	84 2	108	102	111	103	88 6	93 0	96 5
21	89 5	100	73 5	125	87 2	109	111	88 0	110	74 0	74 7	85 2
22	82 7	79 5	79 1	106	115	78 7	96 8	97 1	86 4	97 0	118	54 1
23	71 1	114	77 0	116	111	82 4	101	78 4	91 2	81 7	100	81 7
24	66 8	125	77 0	107	105	83 9	86 8	101	103	83 2	105	77 7
25	70 3	109	78 3	97 5	101	89 3	91 4	91 7	101	81 4	100	76 6
26	59 8	110	83 8	92 5	108	83 5	95 6	87 2	84 6	93 3	100	95 2
27	58 1	98 0	76 7	108	102	86 7	94 3	87 6	96 1	99 8	88 0	105
28	74 0	101	82 2	101	101	88 9	101	85 9	101	90 4	99 4	101
29	90 1	94 3	96 2	86 4	102	92 0	90 2	97 5	105	86 7	109	88 0
30	85 4	106	94 1	98 2	105	98 0	99 2	98 0	108	88 1	107	94 6
31	-----	-----	78 4	99 2	-----	-----	101	98 4	106	85 9	-----	-----

2-2908 6 Harney River near Homestead, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1962 TO SEPTEMBER 1963

Day	Down stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	107	87 0	99 4	105	83 4	121	77 2	101	75 1	97 3	64 5	109
2	104	90 8	99 7	92 3	77 6	112	68 0	113	68 6	95 6	68 8	95 3
3	109	79 1	85 9	110	74 4	114	81 3	102	67 7	98 2	72 0	75 0
4	99 7	82 9	72 6	88 2	76 6	107	88 6	90 7	69 5	101	67 3	82 4
5	88 5	85 9	107	60 1	77 2	112	87 0	103	80 4	88 9	72 3	96 9
6	89 9	83 6	99 5	72 2	71 5	73 8	92 6	107	80 8	98 4	70 3	95 3
7	97 5	73 1	99 5	84 6	108	81 0	70 2	117	94 1	88 9	82 0	75 9
8	97 9	90 4	89 8	97 0	93 3	97 1	88 6	97 5	88 5	99 4	77 8	63 8
9	98 3	87 0	72 6	132	86 0	108	95 8	88 9	101	84 1	69 1	84 7
10	114	79 1	108	98 8	111	74 4	98 8	93 9	94 1	82 4	79 7	95 0
11	117	83 2	116	87 7	102	92 5	94 9	93 5	88 0	104	84 4	86 7
12	113	81 0	96 1	111	94 3	89 4	93 1	102	66 7	116	78 6	102
13	96 9	108	104	103	109	66 4	88 5	99 4	93 4	74 4	82 0	90 7
14	107	98 9	129	61 1	85 4	85 9	95 0	86 7	80 2	68 3	70 8	96 9
15	107	91 4	104	84 2	86 1	100	85 6	79 1	64 6	73 9	69 6	93 6
16	111	93 8	89 3	93 0	75 1	97 3	76 9	69 8	67 2	55 3	61 9	87 0
17	97 7	99 9	85 9	91 2	79 6	89 9	56 3	90 0	47 0	66 9	55 0	95 6
18	81 5	107	76 6	95 7	77 2	89 0	61 1	94 1	46 3	85 4	48 5	85 0
19	85 0	95 6	85 0	77 9	73 5	86 8	65 9	87 3	45 4	116	50 0	93 4
20	79 0	92 9	89 6	81 0	82 3	80 9	61 1	104	81 2	84 7	63 9	111
21	77 6	110	84 2	98 3	79 1	87 6	82 5	82 4	83 1	81 7	80 4	75 5
22	66 8	124	86 4	80 9	76 7	95 3	83 0	74 7	88 0	85 1	92 1	62 9
23	79 8	106	103	58 4	88 8	86 0	72 3	103	92 3	68 3	94 9	72 7
24	112	69 4	84 6	75 5	88 4	89 0	93 2	85 5	81 6	109	82 8	70 3
25	115	69 7	85 4	94 3	88 4	103	88 0	88 8	90 5	105	82 6	99 1
26	105	72 2	90 1	77 5	91 4	101 4	82 5	112	70 9	130	86 7	108
27	107	65 7	72 7	108	95 8	96 8	89 6	104	101	78 1	77 6	116
28	89 5	88 5	85 0	103	93 1	104	94 2	88 1	86 1	74 7	82 9	107
29	90 3	92 5	82 9	113	89 1	105	86 1	81 2	-----	-----	89 1	102
30	82 5	111	87 7	115	93 1	97 3	72 7	110	-----	-----	84 5	79 5
31	59 3	149	-----	-----	80 6	92 6	74 7	114	-----	-----	81 2	56 0
April			May		June		July		August		September	
1	60 2	66 9	48 2	106	82 9	86 4	92 7	79 6	73 1	82 9	92 9	85 7
2	53 7	76 9	78 6	54 3	88 0	82 9	90 5	82 5	84 2	91 2	98 2	91 2
3	64 6	87 4	70 0	75 5	99 0	70 2	94 1	82 5	92 4	73 7	95 0	93 4
4	70 8	91 9	66 1	82 9	92 9	84 6	97 7	87 6	99 5	84 6	95 6	103
5	82 0	99 2	74 2	88 6	94 5	81 0	94 9	97 0	90 7	93 0	88 6	112
6	84 2	104	73 5	98 2	94 3	91 2	103	91 2	87 6	104	87 6	117
7	62 8	133	86 7	90 6	93 4	93 8	89 8	102	87 6	105	96 1	104
8	99 2	83 5	81 6	95 3	91 0	96 6	86 0	108	89 0	114	86 2	106
9	96 1	93 0	78 3	104	89 8	95 2	91 6	101	88 1	114	86 2	95 5
10	82 9	97 0	73 1	107	91 4	95 2	88 1	103	91 2	98 4	83 6	90 4
11	85 9	104	77 2	97 7	93 1	93 5	103	89 3	94 1	90 7	88 6	88 1
12	82 9	97 0	75 5	97 7	78 3	99 4	103	84 5	88 0	86 2	101	75 8
13	71 9	111	78 4	88 6	86 4	88 0	98 9	85 4	90 5	85 4	97 7	85 0
14	86 2	75 8	72 3	94 1	93 1	88 0	97 9	86 4	92 6	85 9	101	81 4
15	80 2	65 4	58 8	95 6	102	77 7	104	85 9	96 7	79 7	99 0	90 2
16	58 1	65 4	67 0	97 3	118	81 6	104	76 9	98 4	90 4	94 5	83 9
17	56 9	75 5	73 9	105	118	76 9	109	70 5	102	81 5	82 9	106
18	66 4	97 7	82 5	98 2	111	78 3	108	71 5	100	88 6	93 0	96 5
19	78 3	95 3	88 6	85 5	117	74 4	102	76 0	94 5	86 4	89 4	104
20	90 0	83 8	86 6	93 7	105	88 1	87 6	114	91 0	96 6	67 2	137
21	97 5	91 6	85 8	100	95 6	99 7	79 9	118	87 3	105	94 7	91 0
22	90 7	90 3	86 7	110	97 0	103	99 0	110	96 2	102	103	72 6
23	97 7	105	80 9	113	108	91 2	100	103	87 3	96 2	99 4	56 9
24	79 7	111	86 4	104	97 9	82 9	105	94 8	89 0	94 3	91 8	55 9
25	83 4	110	82 2	99 7	106	87 7	98 4	81 5	76 6	92 1	70 0	59 9
26	75 0	112	80 4	99 7	91 8	81 5	91 6	73 5	75 3	79 8	136	16 1
27	87 7	86 4	81 7	93 8	97 9	82 9	77 5	77 5	77 9	84 5	133	29 3
28	73 9	84 2	79 7	88 1	89 6	77 6	70 3	88 5	80 9	82 3	101	53 7
29	59 3	74 0	79 7	77 6	90 7	77 2	69 5	80 8	82 9	79 3	41 9	113
30	41 7	102	89 1	89 4	98 1	71 9	80 4	75 3	75 0	79 7	113	55 7
31	-----	-----	87 4	91 2	-----	-----	77 2	82 1	86 4	84 5	-----	-----

2-2908 6 Harney River near Homestead, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

VOLUME FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October			November		December		January		February		March	
1	124	46 1	96 1	113	119	77 2	121	111	81 0	112	82 1	77 2
2	112	61 3	104	115	101	96 9	128	81 7	83 5	82 5	72 7	97 4
3	59 6	116	128	78 8	91 4	106	109	86 2	74 1	76 7	75 5	92 2
4	126	50 5	111	84 8	94 3	105	99 1	106	69 6	83 1	71 2	89 3
5	146	49 0	79 7	126	89 6	91 7	97 5	96 3	52 4	103	63 4	84 2
6	145	46 1	68 9	136	82 0	90 6	89 2	102	63 7	93 7	63 5	61 0
7	72 6	86 2	98 8	84 7	78 3	84 7	82 3	103	76 6	80 0	44 1	70 0
8	93 8	86 2	98 7	82 1	70 2	106	94 3	87 0	63 4	57 7	52 3	75 3
9	93 9	80 2	104	84 2	71 9	72 8	89 2	100	68 9	53 2	61 2	85 6
10	107	77 6	76 2	101	78 2	81 7	97 1	61 7	61 3	68 1	73 5	86 7
11	111	80 3	96 6	102	78 6	85 4	77 4	94 3	72 8	86 5	84 2	69 5
12	110	78 7	107	97 7	76 7	98 8	82 0	133	75 7	75 8	83 0	77 9
13	122	62 9	108	78 0	87 7	100	96 7	117	82 7	91 1	90 7	79 6
14	117	78 4	109	66 6	89 9	97 3	119	75 4	86 1	107	88 1	91 9
15	113	72 6	109	72 8	93 3	82 6	105	90 0	82 0	109	76 3	108
16	105	84 2	96 9	78 4	93 7	73 5	97 5	105	77 9	111	81 6	98 8
17	103	88 7	91 2	80 0	82 6	74 3	88 6	143	88 0	91 9	79 9	100
18	109	84 7	86 7	97 5	78 2	135	105	115	69 8	116	79 5	91 4
19	94 7	96 6	88 0	104	97 5	103	107	102	75 9	94 7	72 7	78 8
20	94 3	107	91 8	101	84 9	122	91 1	123	80 2	71 7	46 6	106
21	91 2	102	86 7	90 4	91 1	121	104	89 3	65 0	78 3	52 4	98 5
22	95 2	103	74 1	107	91 2	106	82 0	113	72 3	84 5	75 1	71 7
23	80 9	98 8	67 0	109	77 2	121	84 9	112	75 2	66 8	74 7	68 0
24	73 7	97 4	82 1	103	89 5	105	101	100	80 2	75 2	77 8	68 0
25	76 2	95 9	90 2	101	95 9	100	97 5	109	73 9	93 8	67 7	84 7
26	96 4	84 0	90 2	95 7	91 2	114	105	91 9	89 6	78 8	73 5	104
27	93 8	91 8	95 8	109	99 6	111	93 3	87 7	85 6	99 7	87 4	86 4
28	79 1	115	96 8	112	102	124	90 6	96 5	83 4	113	82 0	99 2
29	85 7	123	60 0	146	108	120	91 6	62 6	98 4	60 7	80 4	105
30	122	84 3	126	80 6	117	105	84 2	81 3	-----	-----	84 6	74 7
31	112	90 6	-----	-----	112	128	72 3	104	-----	-----	66 2	85 9
April			May		June		July		August		September	
1	63 8	80 4	74 3	93 0	73 0	89 9	87 4	89 4	87 0	85 5	89 8	91 7
2	60 6	76 6	57 5	92 5	72 6	79 0	82 9	89 9	87 7	82 9	91 2	91 2
3	49 3	82 3	33 7	135	67 3	87 3	88 0	86 4	89 3	91 6	97 7	94 3
4	38 0	91 0	85 0	56 7	81 2	81 2	93 6	90 7	84 6	91 7	96 9	97 0
5	52 0	66 3	67 1	71 1	83 7	76 8	92 9	91 7	91 0	94 8	98 3	104
6	45 4	86 3	69 2	83 7	88 4	92 1	92 2	87 2	98 8	92 1	105	94 2
7	62 7	81 2	77 3	85 8	95 0	84 2	101	83 6	98 2	93 5	104	89 6
8	63 6	85 4	75 9	96 1	98 7	85 7	97 7	87 6	99 4	94 8	98 7	93 3
9	80 9	82 9	78 4	99 0	112	83 9	103	101	97 0	103	70 1	124
10	81 3	91 8	80 0	103	100	95 2	98 2	104	95 8	103	61 0	134
11	89 5	86 8	79 6	108	98 5	95 2	97 2	94 3	94 1	102	93 0	83 6
12	84 4	90 0	77 4	113	103	93 0	101	91 2	90 2	95 7	88 0	85 5
13	81 3	96 7	74 0	117	103	82 7	94 2	86 4	88 0	89 9	70 8	83 2
14	76 6	93 4	79 5	106	97 9	77 6	99 5	68 0	83 8	76 6	106	45 0
15	73 5	100	88 0	89 9	88 4	85 0	83 2	66 0	76 7	72 6	108	50 8
16	75 6	71 9	82 5	80 7	84 2	84 2	71 5	80 4	74 3	68 4	96 5	70 1
17	62 7	68 1	83 1	76 6	85 8	80 7	73 9	83 8	80 4	71 5	92 4	85 3
18	42 2	73 3	72 7	75 5	95 2	82 0	82 6	74 3	85 8	71 9	101	76 6
19	41 1	90 2	66 9	78 7	91 4	76 4	79 1	78 7	85 9	80 5	96 8	91 6
20	59 2	68 8	75 1	90 0	87 0	83 8	72 3	77 9	92 9	85 7	94 7	94 7
21	56 2	74 9	83 8	77 5	94 7	74 6	75 5	97 2	110	71 5	90 8	107
22	63 5	79 7	86 1	78 4	97 9	82 9	86 7	92 4	105	81 5	96 6	106
23	74 5	82 0	82 9	76 7	94 5	81 0	89 3	89 9	105	82 3	92 1	116
24	76 6	95 0	82 1	103	89 5	105	101	100	80 2	75 2	77 8	68 0
25	77 5	96 1	81 6	93 7	92 6	96 6	91 2	102	107	83 3	85 3	116
26	85 2	95 8	82 9	98 5	97 2	87 2	86 2	100	95 2	87 3	98 8	83 6
27	86 1	102	78 7	92 4	96 2	88 1	90 7	93 0	60 5	125	111	68 1
28	75 1	101	79 1	94 5	81 7	97 5	86 6	93 7	83 3	120	116	54 6
29	64 0	101	72 6	102	93 8	92 5	89 3	91 6	101	83 2	81 3	88 1
30	79 2	91 2	76 7	99 2	86 2	91 7	86 6	92 0	105	70 1	87 6	87 6
31	-----	-----	69 6	91 7	-----	-----	84 9	88 6	88 8	90 8	-----	-----

## 2-2908 6 Harney River near Homestead, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965													
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	
October			November		December		January		February		March		
1	90 2	93 9	93 3	101	113	66 0	73 8	93 6	57 9	96 7	43 1	102	
2	92 9	98 4	81 1	108	97 3	83 0	80 2	90 5	57 5	129	52 0	116	
3	102	93 8	81	103	86 7	105	80 4	103	68 5	98 9	72 0	111	
4	96 2	91 4	102	94 4	96 6	73 0	81 1	107	48 1	103	62 0	110	
5	81 1	127 8	112	83 9	100	85 0	73 8	1	41 9	103	57 9	119	
6	102	103	104	94 3	107	63 9	70 6	119	45 9	111	35 6	154	
7	107	93 4	98 0	93 0	99 5	74 0	76 3	104	41 6	117	91 2	80 6	
8	91 8	98 0	98 0	81 7	81 7	83 9	80 2	90 2	44 7	115	60 4	79 2	
9	98 5	90 2	96 5	82 7	66 9	78 0	76 7	98 8	33 5	106	60 4	78 2	
10	107	77 3	68 2	84 6	74 9	81 2	62 3	104	40 0	101	36 0	93 4	
11	91 8	70 8	85 5	81 9	75 4	85 4	69 8	111	32 7	118	35 8	99 5	
12	80 0	85 0	76 7	85 0	61 7	96 1	77 1	90 6	43 4	115	37 1	104	
13	74 5	82 7	89 1	80 7	71 2	94 5	79 9	95 3	56 4	115	44 8	107	
14	83 4	127	98 1	78 7	79 6	96 8	82 8	99 2	55 6	114	54 6	97 5	
15	5 62	144	99 1	80 0	90 2	61 4	84 2	102	72 6	98 2	58 2	108	
16	72 1	92 6	93 2	92 4	80 6	86 7	81 3	110	68 6	99 0	61 7	105	
17	91 8	97 6	97 3	87 3	93 7	93 7	83 4	93 4	72 2	113	61 3	111	
18	100	87 7	92 2	109	91 0	95 0	74 7	93 1	56 4	116	66 0	114	
19	96 4	98 5	89 0	122	99 6	90 6	70 7	106	50 3	125	61 7	112	
20	105	90 6	96 0	118	86 3	95 3	63 9	107	57 8	98 2	53 6	107	
21	116	78 3	104	98 9	93 5	101	63 2	104	51 4	102	68 0	84 1	
22	99 4	96 6	111	83 7	85 8	118	59 4	93 4	45 2	75 7	69 0	84 0	
23	94 9	97 0	98 5	87 3	86 3	107	60 1	110	22 1	111	56 8	83 8	
24	98 9	96 1	74 5	111	72 4	116	40 9	104	31 8	106	46 4	89 1	
25	85 9	104	77 1	110	83 8	99 7	40 2	89 1	17 1	133	38 4	72 2	
26	88 4	93 8	99 0	69 9	69 3	98 2	32 3	96 9	81 1	37 3	46 4	88 6	
27	86 6	81 6	108	71 5	88 2	72 9	36 9	98 5	45 5	66 9	66 1	80 4	
28	80 9	84 2	89 8	91 7	73 9	90 6	36 3	84 6	40 6	85 8	70 7	88 6	
29	88 5	97 5	102	83 7	83 8	80 9	28 7	101	-----	-----	63 0	103	
30	94 1	87 1	91 1	89 4	80 4	79 2	43 8	117	-----	-----	73 0	105	
31	98 0	98 4	-----	-----	81 5	82 8	48 5	101	-----	-----	86 0	116	
April			May		June		July		August		September		
1	90 9	108	83 8	121	92 1	103	74 5	129	89 6	122	94 1	95 4	
2	98 9	105	130	92 3	112	113	76 9	128	71 5	132	96 8	81 5	
3	92 5	106	80 7	124	68 4	122	84 3	121	85 8	111	86 8	94 4	
4	84 1	114	82 7	109	72 2	114	86 2	110	83 4	96 6	88 8	80 9	
5	83 1	114	63 9	119	80 5	107	82 6	109	70 3	111	100	84 4	
6	77 1	110	68 6	109	84 6	97 9	78 7	105	68 4	109	103	77 3	
7	68 8	112	66 8	102	76 8	110	76 3	109	65 5	111	93 4	82 7	
8	58 6	110	66 2	106	93 3	97 4	76 5	105	64 2	120	145	77 0	
9	54 6	117	69 0	113	94 0	95 5	72 8	106	7 2	120	59 0	196	
10	68 6	112	81 6	108	99 5	81 3	82 3	108	70 7	129	107	127	
11	89 2	99 7	86 1	103	87 2	95 4	88 3	98 1	83 2	123	116	108	
12	93 2	99 7	82 4	114	81 6	108	76 1	113	88 5	112	114	108	
13	91 0	106	86 8	119	79 1	117	83 1	117	83 3	121	122	102	
14	99 6	103	96 7	106	85 7	110	89 5	106	80 1	129	102	123	
15	93 1	107	93 8	104	76 8	117	81 7	115	77 4	134	111	113	
16	82 6	130	79 5	103	78 1	116	81 4	117	77 7	137	113	102	
17	90 7	119	72 1	112	80 7	101	80 3	118	81 1	133	127	57 0	
18	91 7	107	71 5	115	68 9	115	79 7	113	82 4	122	120	43 0	
19	80 6	111	72 6	110	75 7	100	85 7	105	74 7	129	100	80 0	
20	73 9	110	70 1	101	77 5	91 9	89 4	97 8	72 0	127	107	91 0	
21	76 3	85 7	62 1	99 0	67 6	98 8	81 9	111	76 4	122	99 0	106	
22	64 2	83 3	58 0	77 6	73 7	95 8	75 1	120	81 4	116	98 0	122	
23	44 0	86 5	44 7	93 3	68 9	102	83 8	110	79 8	119	104	102	
24	50	81 1	52 2	103	77 6	103	78 6	115	77 0	139	107	134	
25	56 4	107	70 0	97 5	83 2	102	83 2	112	82 0	146	94 0	140	
26	68 5	111	73 1	105	91 0	99 2	88 2	112	83 1	142	90 0	142	
27	78 6	111	78 0	106	97 5	89 5	88 3	118	89 0	116	109	105	
28	98 9	98 7	107	95 4	94 4	136	82 4	136	82 2	122	106	110	
29	92 5	94 6	87 0	113	83 0	112	71 3	166	91 0	119	111	93 0	
30	72 5	90 9	90 6	119	77 5	126	84 5	146	105	102	103	93 0	
31	-----	-----	92 7	112	-----	-----	90 5	133	102	96 0	-----	-----	

## 2-2908 8 Broad River near Everglades, Fla

Location --Lat 25°29'45", long 81°05'25", in sec 23, T 57 S , R 32 E , 35 ft from north bank, 0.7 mile downstream from "The Cutoff", 4.1 miles upstream from Wood River, 5.5 miles upstream from mouth, 8.7 miles southeast of Lostmans River Ranger Station, and 30 miles southeast of Everglades, Collier County

Records available --November 1961 to June 1965 (discontinued)

Gage --Digital water-stage and deflection-meter recorders Datum of gage is about mean sea level Prior to June 17, 1965, graphic water-stage and deflection-meter recorder at same site and datum

Extremes --Maximum and minimum daily volumes of flow, downstream and upstream, in millions of cubic feet, from November 1961 to June 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1962	Mar 17, 1962	182	Jan 1, 1962	41.9	Nov 23, 1961	172	Mar 17, 1962	0.35
1963	Sept 26, 1963	257	Feb 18, 1963	70.9	Oct 31, 1962	151	Sept 26, 27, 1963	0
1964	Oct 6, 1963	188	Apr 19, 1964	75.3	Nov 29, 1963	133	Sept 15, 1964	45
1965	Oct 21, 1964	170	Oct 15, 1964	65.3	Mar 6, 1965	130	Feb 26, 1965	40

  

Maximum and minimum gage heights, in feet, November 1961 to June 1965					
Water year	Date	Gage height	Water year	Date	Gage height
1962	Sept 14, 15, 1962	2.03	1962	Dec 31, 1961	-0.99
1963	Sept 29, 1963	2.39	1963	Apr 5, 1963	-1.19
1964	Oct 1, 1963	2.26	1964	Apr 18, 1964	-1.44
1965	Oct 14, 1964	2.02	1965	Mar 22, 1965	-1.31

1962-65 Maximum daily downstream flow, 257 mcf (millions of cubic feet) Sept 26, 1963, minimum daily, 41.9 mcf Jan 1, 1962, maximum daily upstream flow, 172 mcf Nov 23, 1961, no upstream flow Sept 26, 27, 1963 Maximum gage height, 2.39 ft Sept 29, 1963, minimum, -1.44 ft Feb 18, Mar 24, 1963

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

2-2908 8 Broad River near Everglades, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, NOVEMBER 1961 TO SEPTEMBER 1962

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, NOVEMBER 1961 TO SEPTEMBER 1962												
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October			November		December		January		February		March	
1			-	-	53 6	63 7	41 9	76 1	103	58 5	129	14 1
2			-	-	44 4	96 2	69 5	30 1	114	53 6	103	58 9
3			-	-	52 5	98 5	71 3	61 2	116	71 7	121	58 1
4			-	-	52 5	121	74 1	66 9	112	80 4	134	69 0
5			-	-	55 1	135	83 4	102	128	80 5	133	65 7
6			-	-	57 2	143	78 9	115	128	110	113	94 1
7			-	-	65 2	138	101	101	129	71 8	144	89 4
8			-	-	66 2	120	91 8	105	132	69 6	153	84 9
9			-	-	67 7	139	94 2	85 2	116	80 7	135	91 7
10			-	-	63 4	150	86 0	104	107	81 2	127	91 6
11			-	-	63 9	134	88 6	57 6	143	25 2	105	105
12			-	-	57 0	154	88 3	52 4	90 5	51 7	100	90 3
13			-	-	60 3	114	85 9	44 5	89 1	40 4	136	47 3
14			-	-	60 0	91 5	79 0	57 0	112	38 0	170	21 4
15			-	-	53 4	85 9	77 8	76 9	116	42 1	134	52 1
16			-	-	55 5	99 5	87 6	63 3	117	71 4	167	19 8
17			-	-	52 7	142	102	46 1	125	67 1	182	35
18			-	-	50 8	144	102	51 1	119	67 9	145	34 2
19			-	-	130	130	100	91 0	136	75 0	136	57 7
20			-	-	65 9	118	113	73 0	118	64 4	133	70 8
21			66 1	92 3	62 9	87 6	116	66 7	122	71 2	140	84 5
22			60 5	141	63 7	126	113	64 8	119	72 7	124	88 3
23			54 8	172	58 1	140	105	76 3	107	73 4	155	99 0
24			66 2	115	72 3	94 3	109	74 0	121	46 3	150	49 4
25			64 0	78 0	68 5	77 7	105	75 4	110	40 0	119	84 0
26			56 8	90 3	59 2	93 8	98 1	53 5	97 9	33 9	96 1	99 6
27			51 1	105	54 6	111	101	62 2	87 8	27 8	158	35 9
28			43 3	98 3	50 9	69 6	97 6	32 0	93 0	50 8	145	15 0
29			49 2	51 9	70 2	20 7	132	29 3	-----	-----	113	30 4
30			49 4	30 9	68 2	33 8	96 3	32 9	-----	-----	101	59 5
31			-----	-----	52 9	52 3	90 4	52 2	-----	-----	110	72 0
April			May		June		July		August		September	
1	125	65 6	133	69 0	135	88 6	135	86 9	129	84 0	133	87 8
2	151	26 2	137	86 6	120	94 3	142	84 1	142	76 3	128	81 0
3	133	51 8	133	79 7	121	93 2	139	74 7	138	70 5	137	88 8
4	123	74 6	139	94 9	139	81 9	138	75 2	129	72 9	141	84 1
5	125	74 4	128	80 1	132	83 3	133	69 1	131	65 9	135	74 6
6	107	112	139	63 1	113	80 9	120	84 0	136	57 1	117	64 5
7	106	114	126	70 6	116	58 9	139	43 6	130	46 2	119	55 9
8	114	91 6	114	73 1	122	43 0	145	43 2	110	43 4	126	64 6
9	117	54 9	109	52 2	125	47 7	134	42 8	103	58 8	140	72 7
10	118	43 2	95 3	38 8	128	27 5	137	32 4	116	47 1	139	76 4
11	101	34 6	105	20 4	120	28 5	124	38 9	137	35 6	159	82 3
12	81 5	25 3	103	33 7	117	32 0	127	51 3	149	38 6	148	85 6
13	118	18 0	118	28 7	117	43 7	129	61 4	144	57 9	139	99 0
14	120	11 4	126	22 6	127	39 9	142	54 2	147	75 2	158	104
15	102	67 7	102	41 3	124	59 3	143	75 0	147	78 5	145	114
16	106	54 3	96 7	78 0	145	61 3	151	83 0	156	83 1	155	101
17	118	35 4	128	55 7	145	44 1	139	85 9	143	85 2	122	121
18	116	72 9	121	89 4	148	52 6	145	76 9	147	82 1	137	77 2
19	114	74 6	124	84 1	141	76 4	132	100	145	74 3	125	90 0
20	116	91 6	115	98 2	124	88 1	136	81 0	160	58 4	129	73 9
21	127	63 3	109	98 0	138	86 0	147	76 3	146	51 8	135	61 7
22	118	50 3	113	84 1	133	57 4	136	81 2	109	60 9	173	8 03
23	101	74 0	126	77 4	160	38 3	135	68 4	119	64 8	145	50 0
24	104	79 1	108	82 9	157	50 2	130	67 5	142	68 0	155	54 6
25	97 6	61 9	113	64 2	152	42 5	128	62 2	134	61 1	152	72 0
26	90 2	54 1	130	54 4	152	45 0	140	64 9	122	88 1	148	91 5
27	90 7	40 7	124	68 2	154	59 3	143	51 6	128	88 0	134	108
28	105	49 8	127	69 7	157	61 8	131	58 1	142	78 5	135	115
29	118	46 2	145	57 8	149	67 8	129	67 6	142	82 3	139	90 6
30	109	59 6	130	73 1	150	72 5	131	82 3	140	84 1	144	98 7
31	-----	-----	144	70 5	-----	-----	133	61 3	139	63 5	-----	-----

2-2908 8 Broad River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963															
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream			
October			November			December			January			February		March	
1	127	103	120	116	111	105	101 0	88 0	90 3	79 1	94 1	100			
2	140	92 9	120	65 0	103	101	102 0	99 2	89 9	89 3	103	72 3			
3	142	70 2	100	100	104	94 3	115 0	76 3	95 6	70 6	103	48 4			
4	157	72 5	101	69 5	107	78 9	116	55 3	99 2	89 0	102	56 2			
5	132	69 1	119	30 8	89 1	110	122	91 8	123	71 4	94 5	97 5			
6	142	44 6	121	47 4	124	58 2	108	111	112	90 4	109	74 3			
7	157	34 0	116	78 0	145	68 7	119	100	117	88 0	130	43 6			
8	138	85 0	109	115	125	90 6	118	102	100	121	123	37 3			
9	150	85 0	105	138	125	91 6	129	87 8	123	99 8	84 6	109 3			
10	167	74 9	122	101	144	58 3	134	87 9	112	114	114	98 3			
11	147	96 4	132	92 7	125	90 2	125	105	115	79 4	115	96 6			
12	167	83 1	116	127	133	97 2	121	114	89 7	143	102	98 4			
13	149	115	129	116	142	50 8	115	110	124	43 5	117	87 3			
14	153	96 0	155	47 2	113	77 3	128	74 5	118	37 9	114	83 1			
15	151	111	119	79 7	111	86 7	129	62 2	90 6	52 5	102	74 6			
16	153	82 9	108	103	104	86 6	118	30 6	104	10 4	109	58 7			
17	131	97 6	105	87 1	119	69 7	94 3	63 8	85 9	23 6	95 4	46 4			
18	124	86 5	100	84 4	104	53 1	91 6	51 8	70 9	59 5	95 3	34 4			
19	137	63 4	120	39 4	108	50 3	105	51 7	71 5	108	86 3	41 8			
20	121	55 3	111	62 7	112	49 2	100	62 4	109	40 9	92 2	62 4			
21	112	82 6	98 0	91 6	105	77 0	133	40 1	92 5	82 8	120	31 6			
22	111	81 9	113	58 1	106	71 9	128	41 4	110	81 3	116	51 5			
23	146	69 4	135	24 6	123	66 6	103	93 3	106	82 0	108	77 8			
24	142	36 4	108	59 2	125	70 0	131	63 2	99 0	139	98 9	81 6			
25	148	53 2	116	85 4	109	95 9	132	70 9	97 0	133	94 3	96 5			
26	130	76 1	122	78 7	130	81 7	118	109	111	133	103	129			
27	132	50 6	101	101	121	93 0	120	111	142	66 2	110	117			
28	112	96 9	116	85 0	130	96 9	128	85 1	118	62 5	108	127			
29	115	96 8	114	101	120	112	123	68 5	-----	-----	103	107			
30	104	127	111	104	131	83 5	108	96 6	-----	-----	114	48 7			
31	86 8	151	-----	-----	113	78 0	103	97 3	-----	-----	117	18 1			
April			May			June			July			August		September	
1	97 5	30 2	93 8	52 6	102	88 3	117	70 2	111	62 8	131	70 3			
2	85 6	57 6	122	628	114	77 9	114	68 2	117	73 4	131	65 7			
3	85 0	78 7	107	71 0	121	68 7	128	78 2	110	73 5	129	84 5			
4	92 1	77 5	99 8	66 5	122	79 4	118	86 1	121	92 6	131	86 5			
5	105	87 7	105	65 7	119	80 5	121	98 1	113	82 2	118	109			
6	106	109	101	90 8	117	91 0	129	91 8	109	93 8	115	114			
7	129 5	129	121	85 5	119	95 5	113	104	111	84 2	129	103			
8	122	98 5	120	91 0	116	86 6	116	97 8	120	89 2	126	82 2			
9	122	94 9	110	94 8	112	92 1	113	95 9	115	108	120	61 7			
10	115	101	94 9	121	111	98 7	121	97 7	124	85 3	138	51 8			
11	104	95 4	100	103	109	106	122	85 4	125	71 7	131	47 3			
12	110	107	105	81 4	110	93 2	132	59 9	115	75 9	146	57 6			
13	100	114	114	73 4	104	75 3	128	68 1	119	72 8	141	55 1			
14	108	51 1	106	74 9	115	71 4	108	72 8	113	69 7	145	67 8			
15	113	51 8	95 1	81 8	126	73 7	110	82 7	110	64 5	143	71 2			
16	97 8	32 3	97 0	64 5	124	92 4	129	85 8	118	67 2	153	70 1			
17	86 8	40 2	93 5	92 3	130	86 6	125	59 6	120	82 1	148	82 9			
18	87 5	87 9	114	83 9	126	75 8	122	65 1	119	86 6	123	92 7			
19	105	88 5	127	85 0	141	67 8	127	76 0	114	83 3	135	83 0			
20	118	85 6	119	89 4	131	92 4	120	94 0	112	98 0	129	95 4			
21	120	90 0	114	102	122	111	107	121	114	94 8	140	70 8			
22	122	115	122	103	115	111	119	101	109	91 0	169	44 3			
23	124	107	120	112	120	92 7	121	101	124	73 3	193	12 3			
24	115	118	121	96 6	121	77 4	125	86 4	119	60 5	192	21 0			
25	115	124	114	103	105	69 2	122	60 0	106	63 6	162	27 4			
26	113	114	113	102	116	69 2	119	39 0	121	45 3	257	0			
27	121	87 3	109	79 3	117	59 9	97 2	46 3	117	31 8	240	0			
28	106	62 5	117	69 0	127	48 5	93 0	45 0	120	38 7	192	29 8			
29	99 9	43 4	116	52 5	114	47 2	101	28 4	109	41 0	105	113			
30	81 5	70 7	107	54 4	116	42 2	110	37 6	116	57 1	211	26 3			
31	-----	-----	102	68 3	-----	-----	107	54 4	126	56 4	-----	-----			

2-2908 8 Broad River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October			November		December		January		February		March	
1	186	32 5	123	114	138	87 8	128	85 2	102	92 3	113	80 8
2	176	74 6	130	102	120	91 3	133	48 2	119	63 5	119	87 4
3	163	61 5	146	76 5	115	111	120	64 9	105	49 4	99 3	86 3
4	172	44 3	131	85 5	123	84 6	111	71 5	105	53 3	106	66 6
5	175	25 6	105	115	117	78 9	110	54 6	77 3	73 1	99 0	40 3
6	188	9 69	99 8	109	104	60 3	101	58 1	96 3	26 7	123	23 6
7	165	35 1	113	65 2	104	40 8	97 8	47 2	110	42 8	102	17 7
8	144	70 3	116	48 7	102	78 3	107	52 1	121	13 0	93 9	41 2
9	126	47 0	113	64 9	112	38 7	93 6	78 3	116	19 0	96 4	69 5
10	139	38 0	99 3	111	114	56 1	134	19 7	100	36 8	114	59 5
11	133	78 7	104	73 2	103	61 9	88 9	59 2	102	68 9	135	53 5
12	136	63 2	115	65 1	104	74 5	96 0	98 0	106	56 3	131	62 9
13	139	57 0	126	52 5	104	76 0	129	69 7	103	85 4	139	69 6
14	154	74 3	132	43 4	111	89 4	125	34 2	117	80 0	136	77 7
15	138	83 2	121	63 4	125	67 9	117	60 6	121	91 3	137	89 5
16	133	77 4	109	66 2	115	54 9	107	90 0	115	79 8	145	72 6
17	127	89 2	107	70 0	97 9	36 6	99 0	101 0	130	66 5	134	73 1
18	135	85 2	96 5	92 3	83 5	115	127	78 7	96 8	99 7	142	71 9
19	122	95 2	111	94 6	102	59 8	103	76 6	112	56 4	129	60 0
20	115	101	104	81 3	101	74 9	97 3	94 5	126	35 8	103	75 0
21	107	96 6	106	83 0	95 8	81 7	107	57 7	109	40 6	117	31 6
22	103	90 7	97 7	79 5	90 6	54 0	94 1	82 0	117	51 2	139	10 1
23	100	85 4	93 5	70 5	95 1	82 2	95 0	71 0	115	39 3	135	35 3
24	108	77 7	98 0	76 4	118	105	105	74 1	107	49 4	123	53 5
25	118	56 2	99 8	64 3	103	66 6	112	80 7	113	84 9	101	76 4
26	124	50 0	106	84 7	89 3	86 8	130	61 7	140	61 6	106	105
27	124	77 2	113	92 1	110	75 8	108	61 4	131	83 9	127	77 4
28	121	113	118	101	116	82 1	123	83 3	125	108	115	112
29	142	98 5	92 8	133	109	95 0	127	56 5	139	42 8	115	85 4
30	152	78 1	148	74 1	117	67 9	116	77 4	-----	-----	129	60 7
31	140	85 8	-----	-----	106	98 2	108	90 6	-----	-----	97 1	77 8
	April		May		June		July		August		September	
1	93 2	72 7	115	73 9	97 4	51 3	118	56 7	111	46 8	136	50 3
2	104	56 7	91 1	68 0	112	38 2	123	46 7	115	52 0	135	51 7
3	90 2	51 0	83 5	90 7	97 1	47 1	125	49 1	119	58 4	146	55 8
4	82 5	34 6	134	8 15	103	54 8	130	76 0	108	66 4	145	64 4
5	96 0	6 72	119	14 0	121	47 9	127	79 2	118	74 0	140	64 9
6	80 3	35 9	109	34 8	125	65 0	137	63 9	127	82 7	141	65 5
7	90 6	52 9	119	53 9	120	66 4	150	67 4	124	88 8	139	55 4
8	99 7	58 0	109	60 8	131	71 1	152	78 8	120	85 5	136	58 4
9	106	56 2	103	74 4	129	76 6	147	83 4	119	85 7	113	89 3
10	124	61 5	116	91 3	119	84 6	139	86 5	113	90 6	97 4	116
11	132	75 2	121	101	120	73 3	143	88 0	128	77 3	137	41 8
12	113	82 2	136	90 9	118	81 6	148	75 0	118	59 3	143	26 3
13	122	94 2	130	98 1	123	63 5	146	64 5	119	47 1	140	24 4
14	121	61 5	123	100	117	55 2	145	57 0	121	18 3	104	1 61
15	108	94 2	134	61 8	118	61 0	142	46 0	121	28 7	179	45
16	118	53 5	142	44 8	123	52 2	90 0	57 5	115	18 4	158	16 9
17	104	42 6	134	35 5	106	59 6	115	52 5	120	24 9	156	28 7
18	84 4	45 4	118	34 8	107	51 9	107	46 0	119	28 9	158	35 3
19	75 3	58 6	101	31 0	113	53 3	100	50 0	124	43 5	132	59 8
20	96 3	26 7	96 3	59 2	110	50 5	110	54 5	126	40 8	136	65 3
21	91 2	48 5	118	44 4	122	53 9	105	62 8	150	40 5	136	76 0
22	98 9	56 7	120	57 4	116	68 8	120	61 0	139	50 2	125	76 6
23	101	70 9	114	59 9	119	77 8	135	60 0	134	65 7	127	80 1
24	110	78 3	115	62 1	118	75 7	140	66 0	129	62 4	126	86 4
25	109	96 0	126	74 6	113	72 6	135	75 0	143	50 9	140	65 4
26	117	90 0	130	50 0	124	78 3	125	69 5	127	59 4	132	44 2
27	104	97 7	129	52 4	96 3	71 1	127	68 0	110	83 1	154	24 3
28	103	88 7	116	68 9	115	63 9	128	68 0	118	59 0	162	10 7
29	101	77 4	118	76 4	120	53 8	120	57 5	133	36 7	122	63 7
30	107	69 3	112	69 2	106	56 9	118	64 4	150	18 8	123	51 2
31	-----	-----	97 1	58 0	-----	-----	119	51 8	138	38 3	-----	-----



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2908 8 Broad River near Everglades, Fla --Continued

## VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1964 TO JUNE 1965

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October		November		December		January		February		March		
1	122	68 5	151	71 6	147	32 1	104	71 9	90 0	52 3	113	62 0
2	131	68 4	137	79 1	122	51 0	110	66 0	87 7	77 1	112	77 5
3	139	70 4	141	68 4	123	77 6	108	76 1	99 7	38 5	122	71 9
4	132	72 4	153	60 1	120	69 3	119	50 1	92 2	50 6	119	89 7
5	110	85 2	155	51 9	134	57 8	92 2	75 7	92 2	50 2	120	75 1
6	137	62 5	144	53 0	145	30 4	91 2	92 6	76 8	76 6	101	130
7	140	55 5	142	68 1	122	28 4	104	68 7	73 5	68 3	144	29 6
8	131	62 0	141	52 1	117	25 0	107	42 9	88 1	43 7	134	51 7
9	134	59 7	138	31 5	101	33 0	91 7	68 0	71 9	58 7	138	20 0
10	144	35 6	139	24 6	96 7	44 3	91 1	55 4	85 6	33 3	111	26 8
11	129	21 1	127	25 8	94 5	44 0	91 9	57 2	74 6	70 2	100	24 2
12	119	23 7	117	31 6	95 0	42 7	98 9	45 4	72 3	71 3	99 9	40 7
13	111	42 1	130	35 4	104	45 7	94 2	68 7	60 6	81 8	119	45 6
14	114	109	140	36 8	111	61 8	93 9	86 3	90 7	103	122	56 8
15	65 3	69 1	134	53 8	131	23 0	93 4	93 3	103	78 4	128	57 7
16	126	45 3	136	62 3	103	63 8	105	91 3	95 5	85 9	137	66 7
17	151	33 5	130	76 8	110	73 9	140	45 6	116	80 5	129	75 3
18	153	46 5	135	81 2	129	78 1	117	69 1	115	86 5	123	74 0
19	147	58 0	131	84 1	131	60 6	109	85 1	113	76 8	118	64 2
20	155	61 7	126	90 1	117	78 5	111	79 8	126	54 7	125	71 1
21	170	37 5	139	86 1	123	83 5	96 8	86 1	116	51 0	146	16 7
22	148	70 0	146	53 1	107	88 2	104	67 1	125	12 3	102	42 3
23	141	68 0	136	42 7	113	74 8	85 5	71 8	78 6	49 9	97 6	33 5
24	144	60 2	103	69 7	109	77 7	79 6	51 3	100	20 5	88 2	23 4
25	137	61 1	112	62 0	114	39 6	91 5	24 5	104	44 1	98 9	4 43
26	140	38 6	135	24 4	105	52 7	83 8	27 2	166	4	88 0	16 9
27	138	29 2	135	22 0	122	23 8	82 6	32 6	122	10 0	105	29 1
28	139	35 7	128	63 4	110	50 7	99 1	27 2	112	36 2	113	31 1
29	141	53 7	131	56 9	115	44 0	81 4	37 5	-----	-----	115	41 0
30	144	51 7	124	49 3	118	49 9	73 3	73 5	-----	-----	111	57 4
31	147	61 6	-----	-----	108	59 4	95 0	50 4	-----	-----	120	60 5
April		May		June		July		August		September		
1	108	68 5	116	68 4	121	89 4						
2	127	54 4	125	79 5	110	89 4						
3	117	58 9	118	77 5	107	107						
4	124	59 4	123	52 9	122	77 1						
5	109	66 7	102	62 8	127	89 1						
6	107	57 8	110	41 6	136	61 7						
7	96 8	48 7	100	28 8	132	72 0						
8	88 9	37 0	98 8	36 5	135	76 3						
9	84 4	36 6	107	47 3	133	69 1						
10	99 8	42 8	115	46 1	132	62 9						
11	115 0	39 7	115	46 5	122	69 7						
12	126 0	44 1	116	56 1	119	85 2						
13	131	62 9	102	63 1	127	98 5						
14	125	63 4	109	66 3	128	78 5						
15	122	76 7	133	63 1	113	88 4						
16	111	80 7	118	38 3	119	87 1						
17	123	63 6	102	66 0	115	80 0						
18	126	49 7	112	51 1	111	73 9						
19	114	53 6	114	52 9	120	52 3						
20	98 1	47 6	106	40 5	124	42 4						
21	123	25 3	100	26 3	111	53 1						
22	121	10 9	110	10 4	113	46 6						
23	105	16 2	89 1	20 9	109	55 7						
24	96 9	22 4	97 3	29 4	118	64 4						
25	97 7	19 2	113	33 7	126	69 4						
26	100	38 3	114	41 0	133	64 9						
27	111	47 3	130	56 2	92 7	55 5						
28	129	39 9	137	80 4	88 0	52 0						
29	135	43 0	135	63 9	83 0	62 0						
30	130	40 6	133	92 5	91 0	68 0						
31	-----	-----	131	92 4	-----	-----						

## 2-2909 Rogers River near Everglades, Fla

Location --Lat 25°29'35", long 81°08'40", in sec 20, T 57 S, R 32 E, 35 ft from north bank, 2.7 miles upstream from mouth, 3.1 miles downstream from "The Cutoff", 6.0 miles southeast of Lostmans River Ranger Station, 7.9 miles downstream from Rogers River Bay, and 29 miles south-east of Everglades, Collier County

Records available --January 1962 to June 1965(discontinued)

Gage --Water-stage and deflection-meter recorder Datum of gage is about 2 ft below mean sea level

Extremes --Maximum and minimum daily volumes of flow, downstream and upstream, in millions of cubic feet, from January 1962 to June 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1962	Sept 15, 1962	70.4	Jan 31, 1962	19.9	Mar 11, 1962	57.9	Mar 17, 1962	4.49
1963	Sept 26, 1963	93.0	Mar 26, 1963	14.6	Sept 29, 1963	62.0	Sept 26, 27, 1963	0
1964	Oct 3, 1963	79.5	Apr 4, 1964	15.9	Oct 19, 1963	101	Sept 15, 1964	2.81
1965	Feb 8, 1965	60.2	Many days	0	Feb 17, 1965	72.8	Many days	0

Maximum and minimum gage heights, in feet, January 1962 to June 1965

Water year	Date	Gage height	Water year	Date	Gage height
1962	Sept 14, 15, 1962	4.24	1962	Feb 12, 1962	-0.48
1963	Sept 29, 1963	4.74	1963	Mar 23, 1963	- .64
1964	Nov 2, 1963	4.13	1964	Dec 17, 1963	- .86
1965	Oct 14, 1964	4.49	1965	Mar 22, 1965	- .69

1962-65 Maximum daily downstream flow, 93.0 mcf (millions of cubic feet) Sept 26, 1963, on many days in 1965 no downstream flow occurred, maximum daily upstream flow, 101 mcf Oct 19, 1963, on many days in 1965 no upstream flow occurred Maximum gage height, 4.74 ft Sept 29, 1963, minimum, -0.86 ft Dec 17, 1963

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

## 2-2909 Rogers River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, JANUARY TO SEPTEMBER 1962												
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1							-	-	28 7	30 8	27 3	26 7
2							-	-	46 2	22 0	29 1	29 2
3							-	-	40 2	29 9	35 0	34 4
4							-	-	43 4	39 8	40 3	39 5
5							-	-	41 5	44 3	39 2	42 7
6							-	-	42 2	48 4	35 2	52 6
7							-	-	46 8	32 9	54 0	44 0
8							-	-	40 8	36 5	48 3	42 5
9							-	-	38 7	39 0	47 6	53 3
10							-	-	32 0	35 6	37 8	49 2
11							-	-	45 8	13 5	29 0	57 9
12							-	-	23 0	29 8	30 3	50 9
13							-	-	23 4	26 5	36 2	26 1
14							-	-	32 7	22 3	43 9	18 3
15							-	-	36 5	22 6	35 2	24 9
16							-	-	35 6	33 2	44 3	14 4
17							-	-	39 7	26 9	48 4	4 49
18							-	-	41 7	35 2	33 1	28 2
19							-	-	44 6	33 0	38 6	32 7
20							-	-	50 7	36 3	35 1	38 5
21							-	-	41 6	39 4	38 4	45 4
22							-	-	42 2	38 4	42 2	38 5
23							-	-	42 3	37 0	44 2	46 3
24						37 6	26 2	35 3	27 4	42 7	30 5	
25						38 4	33 4	29 5	33 4	33 9	46 4	
26						33 9	26 0	25 3	28 5	31 5	51 9	
27						36 3	25 9	26 3	22 6	39 4	20 2	
28						33 6	19 2	23 7	22 8	34 6	9 71	
29						33 3	11 9	-----	-----	25 1	24 1	
30						23 2	19 9	-----	-----	27 4	31 0	
31						19 9	28 6	-----	-----	30 4	42 3	
	April		May		June		July		August		September	
1	37 3	37 4	40 5	39 0	47 6	30 8	49 8	34 4	55 2	36 9	50 3	36 8
2	48 2	18 4	39 1	38 8	45 9	38 7	50 9	36 5	51 6	35 2	44 2	36 2
3	39 6	27 9	45 0	32 0	50 7	33 7	48 5	35 2	48 6	35 5	40 5	32 8
4	35 2	36 3	45 7	41 8	43 1	34 0	41 8	39 9	41 3	33 7	45 7	30 8
5	36 7	36 1	44 2	39 1	38 7	43 0	42 1	36 7	45 9	26 4	34 1	25 7
6	33 3	50 8	38 6	35 4	32 8	39 9	43 7	32 8	43 1	21 9	34 0	24 5
7	36 9	48 0	35 1	35 7	27 9	33 2	42 4	17 6	38 4	18 9	31 3	27 6
8	36 0	42 4	30 6	36 0	31 7	29 2	33 2	21 1	33 5	22 5	38 6	26 1
9	37 9	27 3	30 0	26 7	26 3	34 8	32 4	24 0	39 8	27 4	41 0	24 3
10	30 1	26 4	31 0	23 4	34 8	20 9	35 2	16 9	38 2	23 1	46 6	23 4
11	29 6	16 9	31 8	17 1	33 5	19 7	35 8	17 8	52 2	13 2	49 0	37 5
12	23 8	20 6	28 2	21 2	32 8	24 1	36 7	20 7	47 1	20 2	60 0	41 2
13	31 8	13 7	33 6	20 1	35 5	27 6	39 6	25 2	47 2	31 2	56 2	50 2
14	35 2	12 3	35 4	15 9	33 1	25 8	41 0	28 9	50 1	35 5	70 0	45 0
15	23 1	33 3	26 7	26 5	45 2	39 2	43 6	28 9	52 4	38 0	70 4	54 1
16	28 2	22 3	23 7	36 2	46 2	28 0	47 4	32 3	59 2	36 7	64 2	53 8
17	34 7	23 7	39 5	25 2	54 2	20 5	51 0	35 3	58 0	41 4	57 7	40 0
18	31 6	34 7	33 4	35 0	49 8	33 0	49 4	39 3	59 5	40 6	61 9	36 3
19	42 5	32 5	34 3	37 7	44 5	40 6	42 2	39 2	55 7	37 4	46 9	32 3
20	40 5	35 9	37 5	40 6	41 2	39 8	49 5	38 5	48 5	25 0	41 8	30 6
21	41 7	33 0	38 4	38 5	40 3	38 1	49 5	34 9	44 9	21 3	43 5	21 3
22	30 2	26 4	40 7	39 9	58 1	23 5	46 8	34 2	35 3	28 0	60 5	4 93
23	28 6	39 1	35 7	34 8	50 2	23 8	43 3	23 3	36 0	25 3	45 9	16 1
24	29 5	37 6	35 0	39 1	53 4	20 7	38 2	21 9	43 9	22 6	50 5	25 1
25	32 4	26 4	39 6	27 1	42 1	24 8	40 4	24 2	40 5	25 5	49 9	28 3
26	30 6	23 2	36 6	28 2	47 5	26 2	40 7	24 3	41 8	38 2	49 2	34 8
27	27 7	20 6	32 2	35 9	44 0	27 3	43 1	25 0	49 6	32 6	54 7	48 5
28	27 9	24 6	35 1	36 3	45 1	32 3	43 3	26 3	56 1	40 0	60 7	45 6
29	37 5	31 1	42 7	34 1	48 1	28 6	41 9	33 4	54 1	37 3	63 0	38 6
30	35 9	35 8	42 8	36 7	49 2	29 0	49 9	38 6	53 2	39 2	53 7	43 8
31	-----	-----	41 5	34 8	-----	-----	55 3	38 2	48 5	40 1	-----	-----

## 2-2909 Rogers River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October		November		December		January		February		March		
1	51 3	40 7	41 1	40 3	42 7	43 6	28 9	29 8	32 3	22 9	21 4	39 7
2	50 5	37 0	37 4	30 0	34 7	40 9	35 9	33 9	28 7	29 3	26 1	24 9
3	52 4	29 4	32 4	37 0	30 8	36 0	34 3	28 8	29 0	27 1	26 9	11 8
4	47 8	31 4	33 8	24 4	30 1	39 3	36 6	28 7	33 1	30 2	24 7	10 4
5	36 8	29 0	42 9	16 3	30 0	45 0	41 7	33 6	38 1	23 4	23 6	26 7
6	39 9	19 3	42 3	18 8	35 4	20 7	37 2	43 6	38 4	27 3	26 3	29 0
7	42 6	16 4	38 2	26 0	41 9	29 4	43 0	34 7	44 6	28 4	32 2	21 3
8	38 0	32 4	38 9	41 3	45 3	41 2	47 8	30 9	42 2	33 8	32 9	14 3
9	50 9	33 0	45 9	55 2	46 5	32 3	44 2	30 8	46 0	29 9	18 4	38 9
10	53 9	29 1	54 8	38 0	50 5	27 4	43 5	31 2	33 8	35 7	26 0	36 4
11	56 5	39 0	54 7	39 3	45 1	38 4	45 1	38 5	34 3	41 3	27 8	34 3
12	52 8	37 1	53 1	45 7	49 9	37 7	47 1	37 9	24 1	49 7	28 7	37 0
13	59 8	46 6	57 5	48 9	49 5	21 3	40 6	36 9	29 7	19 8	34 7	27 6
14	65 0	47 6	59 9	19 6	31 7	27 1	43 2	29 4	29 7	12 3	28 8	34 0
15	64 4	41 5	33 6	35 0	34 5	35 8	34 6	19 2	21 9	15 8	20 5	35 1
16	54 2	37 1	32 3	41 5	34 5	37 6	33 6	12 7	22 8	3 70	21 9	30 8
17	45 8	39 1	31 8	38 2	32 9	28 3	20 6	24 1	18 3	7 87	22 8	18 3
18	35 6	43 9	28 7	35 4	30 0	23 4	24 1	22 8	16 0	16 7	23 5	11 2
19	41 5	27 7	39 4	20 2	28 6	16 9	27 0	24 4	14 7	40 4	16 1	17 4
20	38 2	22 9	38 2	24 8	30 6	15 9	25 3	26 6	35 5	18 2	22 3	19 1
21	40 4	23 6	32 7	29 6	30 6	23 2	37 9	16 1	28 9	31 3	34 6	16 3
22	38 4	38 3	41 0	24 5	35 2	27 9	39 4	15 1	31 7	23 1	32 4	13 9
23	42 8	35 1	43 3	13 4	37 3	27 8	30 7	36 3	34 2	21 5	20 7	23 7
24	52 5	18 6	25 5	26 5	44 4	31 9	40 6	25 5	23 2	49 2	20 9	28 1
25	49 8	22 0	34 2	33 6	43 3	34 0	37 2	26 2	25 6	41 7	20 1	45 5
26	43 5	25 4	38 4	28 0	45 2	34 1	35 4	44 7	31 5	54 0	14 6	56 5
27	42 2	15 8	25 7	40 7	48 7	34 8	39 8	38 7	42 1	22 5	16 7	45 8
28	31 4	33 5	41 4	39 2	45 2	35 4	42 5	34 1	32 4	19 8	27 8	36 6
29	36 7	38 7	47 0	40 2	49 0	37 1	37 2	28 1	-----	-----	29 3	33 6
30	49 0	42 1	43 4	45 8	46 7	33 0	28 5	41 0	-----	-----	25 1	15 8
31	36 1	62 2	-----	-----	32 0	31 0	29 5	35 5	-----	-----	34 0	8 58
April		May		June		July		August		September		
1	21 2	16 8	20 2	27 8	40 2	26 2	28 7	20 0	32 5	23 7	45 1	33 6
2	18 3	21 7	31 7	6 29	35 1	32 1	31 8	21 0	38 4	27 3	47 1	40 1
3	19 8	20 6	31 5	30 1	38 1	26 2	38 7	25 6	41 6	26 4	54 2	45 8
4	23 2	22 9	25 3	29 0	41 5	29 0	40 4	31 1	42 6	34 8	59 0	48 5
5	29 6	26 6	27 7	36 5	43 0	30 8	44 0	32 6	41 9	40 5	56 4	52 9
6	29 7	31 1	23 8	38 0	42 0	32 9	40 5	33 4	47 8	41 7	55 3	52 5
7	26 5	45 5	33 0	38 1	41 0	35 2	44 5	38 8	50 0	42 5	54 9	46 2
8	41 1	26 6	32 1	45 9	40 0	33 2	47 5	36 1	46 2	42 7	52 1	45 6
9	36 2	32 2	35 0	40 2	39 5	35 1	41 2	40 4	45 2	42 6	52 3	29 0
10	33 1	31 4	25 6	51 5	39 0	37 9	46 6	36 8	49 5	37 5	47 7	26 3
11	34 1	35 4	34 6	38 6	39 0	40 0	50 4	33 8	40 6	32 7	44 7	26 7
12	33 8	35 5	28 8	39 0	38 3	35 8	51 2	33 6	39 7	23 6	48 6	27 4
13	28 6	29 0	32 0	28 3	37 0	31 2	37 1	25 7	37 1	27 8	45 8	30 4
14	26 8	16 5	25 2	30 5	40 0	30 2	44 0	20 9	41 7	26 8	47 0	30 5
15	27 3	15 6	23 3	33 4	44 5	33 0	36 6	40 7	40 5	27 4	48 4	33 0
16	17 0	17 5	24 3	31 9	45 4	36 0	39 5	34 7	44 6	28 8	46 2	37 8
17	16 5	20 8	28 4	40 0	45 0	34 0	43 5	25 1	48 2	26 8	55 3	45 5
18	16 8	38 3	37 2	37 3	47 0	31 9	44 8	27 9	45 5	39 9	62 9	40 4
19	21 3	36 2	42 5	37 4	46 5	29 9	42 4	29 4	45 1	31 8	55 0	43 0
20	23 7	41 7	35 9	41 1	49 9	34 1	38 9	45 7	42 9	39 0	60 0	46 0
21	26 3	44 2	40 4	40 7	47 0	41 0	39 5	49 0	44 4	42 5	66 0	35 0
22	30 7	45 8	44 4	39 6	39 0	42 0	38 8	44 2	49 2	39 1	74 0	23 0
23	30 9	50 0	42 3	46 6	37 0	39 0	41 9	41 7	50 6	35 1	81 0	12 0
24	39 3	49 4	42 4	41 8	35 0	35 0	40 8	39 6	50 1	34 8	82 0	16 0
25	31 0	45 3	40 7	44 4	36 5	31 0	40 3	29 9	41 7	29 8	72 0	22 0
26	32 4	48 1	37 8	40 8	30 1	34 3	33 5	17 6	36 6	22 2	93 0	0
27	32 2	35 1	32 7	37 2	37 4	23 7	32 3	22 9	35 2	18 0	84 0	0
28	28 6	28 4	34 3	26 0	31 3	25 6	29 4	22 2	34 8	17 0	76 0	25 0
29	20 3	22 9	37 2	23 5	33 5	21 6	33 2	15 9	33 1	21 9	57 0	62 0
30	18 0	35 2	36 0	23 8	32 4	17 5	36 2	19 8	37 8	24 3	82 0	20 0
31	-----	-----	33 8	24 5	-----	-----	30 8	23 5	36 9	34 7	-----	-----

## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2909 Rogers River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
Day	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream	Down- stream	Upstream
October		November		December		January		February		March		
1	79 0	29 0	56 7	51 1	39 7	32 0	50 7	33 4	55 1	50 1	48 6	39 5
2	76 0	32 0	52 1	48 0	39 1	30 2	43 0	17 9	54 3	39 4	48 3	48 1
3	79 5	33 2	57 9	35 4	35 6	41 7	47 4	26 7	39 6	30 4	43 8	45 0
4	76 8	24 8	48 9	34 7	40 2	31 9	39 4	37 2	35 5	31 4	42 7	41 7
5	74 9	15 8	42 0	49 5	37 3	29 7	38 8	28 7	27 1	42 7	41 0	33 1
6	66 2	8 88	35 3	44 1	29 5	21 5	34 3	33 7	34 8	22 4	40 9	18 8
7	45 0	19 3	35 3	26 5	25 6	23 0	32 8	28 6	37 7	24 3	25 6	13 6
8	36 7	27 0	40 7	20 3	25 7	24 2	45 8	21 6	45 5	7 69	28 8	23 1
9	35 8	18 8	39 4	25 2	35 1	16 2	38 6	36 3	42 7	7 77	30 0	42 4
10	37 8	26 9	35 4	44 2	31 5	16 7	54 3	5 42	31 9	22 3	37 5	34 6
11	45 2	25 3	45 0	31 7	29 8	24 3	29 4	34 1	44 7	33 8	44 6	26 1
12	47 1	25 7	49 8	25 9	33 9	33 4	38 7	54 0	48 4	35 4	43 1	36 3
13	49 9	19 2	48 0	20 2	38 0	34 3	50 9	30 3	45 6	40 6	47 0	36 8
14	46 0	24 7	43 0	16 0	37 7	34 7	62 8	17 7	56 3	47 4	45 8	45 3
15	46 5	26 8	42 1	19 3	39 9	22 7	49 0	28 3	52 7	57 8	40 8	46 8
16	45 4	30 9	36 1	22 8	37 0	18 7	43 9	44 7	47 8	46 3	37 7	42 3
17	48 7	35 9	35 7	23 4	24 5	11 2	50 2	49 8	57 5	36 5	37 6	40 7
18	28 3	65 4	34 1	32 2	26 9	36 7	59 8	42 5	46 1	51 7	46 2	30 5
19	45 5	101	42 6	34 7	34 2	24 8	52 7	35 3	47 2	29 7	40 9	28 4
20	43 0	94 0	41 0	30 6	32 0	32 8	45 7	47 4	49 3	18 9	25 4	41 4
21	40 5	88 5	36 5	30 7	32 4	35 0	51 0	21 5	47 1	18 5	34 0	18 0
22	39 2	81 0	31 8	37 5	33 7	25 0	36 9	31 1	41 3	27 9	45 8	14 7
23	39 0	71 0	25 4	35 5	26 9	33 7	40 6	38 2	49 4	20 3	46 6	16 6
24	40 0	61 5	27 8	34 7	38 8	21 6	44 6	32 0	44 2	34 2	34 3	26 1
25	43 0	52 0	34 5	32 8	34 6	25 3	46 6	44 5	51 8	33 4	35 1	32 8
26	48 1	46 0	34 7	34 1	30 7	33 0	54 2	31 4	58 4	34 5	31 5	46 1
27	50 2	44 5	29 7	38 0	34 4	33 6	47 3	44 8	61 0	47 9	34 2	40 0
28	51 7	48 5	36 9	42 0	38 0	42 6	58 2	46 3	55 1	58 4	27 7	49 5
29	57 0	51 8	32 4	62 1	42 4	35 5	60 1	22 7	63 5	21 0	28 8	43 8
30	52 0	46 0	43 4	30 5	44 9	28 8	47 1	38 3	-----	-----	36 9	19 1
31	54 0	44 0	-----	-----	41 2	40 6	48 8	51 3	-----	-----	27 2	27 3
April		May		June		July		August		September		
1	22 0	27 4	38 9	40 2	40 1	27 8	41 4	27 5	45 8	31 4	47 8	26 3
2	19 6	30 9	28 4	35 7	40 8	25 9	41 4	31 3	50 8	32 4	50 1	30 4
3	24 9	23 7	21 7	50 0	33 9	25 2	46 1	27 7	50 2	37 6	61 4	29 2
4	15 9	27 2	46 8	9 79	41 1	22 9	47 4	32 8	53 8	38 1	67 7	42 2
5	25 1	10 5	40 5	13 9	54 7	25 6	51 4	37 0	60 6	41 6	73 3	46 3
6	24 3	19 2	42 3	31 7	56 2	40 6	52 6	39 3	57 0	49 2	72 7	43 6
7	26 8	23 0	44 8	37 4	62 6	36 4	54 2	37 2	57 3	54 5	71 7	39 0
8	23 9	27 5	48 6	40 7	51 7	32 5	57 4	39 6	58 1	46 6	65 9	36 3
9	34 1	14 8	48 6	36 4	57 3	41 7	54 4	47 9	57 8	51 3	63 3	50 9
10	30 5	19 4	46 2	39 0	57 7	47 6	53 4	45 8	54 1	48 8	49 3	54 6
11	41 4	23 4	39 3	51 1	55 0	50 9	55 7	40 5	49 2	48 1	52 5	25 2
12	32 7	29 9	43 6	55 1	55 5	46 0	55 2	34 4	49 9	4 02	55 5	21 5
13	25 5	35 8	37 3	55 2	54 0	36 0	53 0	35 9	56 3	29 5	62 4	15 1
14	18 2	42 3	47 1	47 3	54 9	29 6	51 7	20 1	51 8	16 8	74 2	3 27
15	21 9	35 9	42 3	36 0	44 9	27 8	42 4	18 2	50 2	17 1	60 0	2 81
16	28 0	19 4	40 5	35 8	47 0	23 3	30 1	34 9	42 9	17 9	51 7	6 70
17	27 8	19 6	39 8	27 3	47 0	27 6	35 4	31 5	47 9	18 6	47 3	18 8
18	21 0	25 9	37 8	25 5	46 9	26 1	45 7	21 0	48 0	23 3	48 8	16 3
19	24 7	32 8	38 1	26 0	50 6	26 1	38 1	23 3	44 6	30 8	48 5	32 2
20	33 0	15 9	34 8	34 4	53 3	21 9	43 0	25 5	55 6	31 3	58 5	42 2
21	33 7	30 1	41 6	30 2	54 7	23 8	41 2	39 6	60 2	29 9	67 6	45 0
22	33 4	30 6	44 7	27 8	52 4	28 3	56 6	39 8	54 9	34 2	66 5	44 2
23	30 1	36 7	45 8	31 5	50 9	30 4	57 9	37 5	60 7	34 2	63 3	50 8
24	36 2	38 2	43 5	34 9	50 0	32 0	55 1	39 4	53 7	33 2	53 2	50 9
25	43 0	40 2	45 0	39 2	52 3	40 6	50 5	49 2	53 8	35 8	59 5	32 5
26	44 7	42 9	49 0	37 2	52 6	40 0	53 2	44 2	54 4	33 9	65 8	18 9
27	42 9	44 3	45 2	33 3	45 8	38 4	54 5	45 2	50 4	48 6	60 6	8 55
28	37 3	45 7	42 1	37 6	43 8	42 3	53 1	45 7	60 9	43 1	62 7	3 55
29	37 5	36 8	46 9	41 7	46 0	33 6	51 2	33 9	61 6	25 7	32 1	19 0
30	41 7	37 0	44 1	30 8	42 7	32 4	49 3	36 5	59 8	19 7	44 3	13 8
31	-----	-----	42 5	31 9	-----	-----	46 5	33 5	48 0	21 1	-----	-----

## 2-2909 Rogers River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1964 TO JUNE 1965

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1964 TO JUNE 1965												
Day	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream	Down-stream	Upstream
October		November		December		January		February		March		
1	35 9	27 7	34 2	24 0	35 8	7 41	16 7	8 54	24 7	2 92	10 2	10 8
2	40 7	38 5	35 0	32 6	21 4	16 1	17 9	12 2	40 1	3 77	4 50	20 6
3	54 6	33 4	41 6	30 7	23 9	26 7	23 0	10 4	34 5	0	1 92	27 6
4	52 1	41 6	41 7	29 7	30 9	20 3	22 6	8 35	32 9	5 28	5 95	24 2
5	43 1	58 7	37 9	16 6	35 9	16 6	15 4	11 5	23 7	5 76	9 21	14 7
6	45 7	39 4	32 9	23 6	32 2	7 95	16 7	14 0	26 3	15 9	18 6	42 4
7	51 4	18 5	30 1	24 4	25 4	6 77	17 3	11 3	46 8	12 1	33 4	0
8	45 6	19 8	27 6	21 4	23 4	10 8	20 1	6 96	60 2	0	26 8	71
9	48 2	21 1	26 4	14 3	22 5	14 0	22 2	6 58	39 9	14 2	21 5	15 6
10	51 1	13 8	27 5	9 34	16 6	18 0	17 9	5 96	4 75	9 48	0	44 8
11	37 3	4 70	27 8	12 2	19 8	15 9	21 1	5 92	13 3	9 16	1 74	22 3
12	30 2	3 23	27 1	14 0	24 6	16 1	23 0	4 99	18 9	8 28	2 77	15 6
13	33 0	16 5	26 1	17 0	21 2	14 3	25 4	4 16	9 71	15 7	3 23	16 6
14	37 1	58 4	34 5	12 7	24 7	12 9	30 4	5 25	15 0	18 1	3 23	16 3
15	25 1	24 6	33 7	15 0	31 7	5 42	25 9	8 19	48 9	13 8	4 36	23 8
16	54 9	13 3	35 9	17 6	17 6	23 2	28 7	7 99	0	46 6	4 82	22 6
17	35 4	21 3	33 6	26 1	17 9	29 5	25 0	5 65	0	72 8	1 71	31 3
18	50 5	18 5	38 5	26 6	9 66	30 0	21 7	6 81	16 8	56 3	1 41	32 3
19	45 7	28 2	37 5	31 2	12 7	26 0	24 1	7 69	0	51 0	18 0	19 5
20	52 0	36 7	28 4	33 6	12 7	25 1	22 1	8 73	0	40 4	9 89	22 7
21	39 6	13 5	24 9	30 6	15 7	26 2	25 7	5 72	0	41 3	13 4	14 3
22	38 1	26 9	28 6	19 0	21 8	34 1	25 7	3 74	0	25 6	23 6	6 85
23	43 0	28 4	32 1	18 5	27 5	3 72	23 5	5 30	0	43 1	21 3	30 6
24	27 9	26 0	36 6	20 6	20 6	8 92	28 5	1 99	0	39 6	0	62 4
25	24 1	28 9	35 8	12 9	21 2	10 9	26 1	2 91	12 3	26 9	0	49 2
26	26 6	24 1	35 3	8 56	29 2	6 30	27 0	2 17	44 8	0	0	44 3
27	34 0	15 8	34 0	6 88	30 9	3 53	30 0	0 47	31 8	0	0	44 2
28	25 3	18 3	33 9	14 2	20 1	6 57	36 2	0	18 8	1 84	0	48 3
29	28 0	17 5	33 9	9 75	24 3	5 84	31 7	45	-----	-----	0	50 9
30	25 7	17 9	29 9	12 6	33 3	7 14	36 1	1 38	-----	-----	0	51 7
31	26 8	22 4	-----	-----	18 4	5 30	31 4	2 54	-----	-----	5 10	30 5
April		May		June		July		August		September		
1	3 44	20 6	9 12	25 7	0 0	38 6						
2	3 80	24 7	2 39	37 3	0	44 1						
3	1 36	34 8	2 26	39 3	0	47 4						
4	1 94	37 4	3 08	27 9	0	42 0						
5	2 65	35 7	48	38 1	07	37 8						
6	0	52 6	0	34 6	63	26 3						
7	0	48 1	0	25 9	0	31 8						
8	0	41 6	29	24 2	0	37 4						
9	0	44 4	26	26 0	0	42 4						
10	25 2	4 42	30	24 2	0	40 2						
11	29 9	28	2 29	24 5	0	42 1						
12	30 3	4 48	3 84	32 2	0	49 7						
13	25 4	11 0	16 4	28 0	0	58 6						
14	14 4	15 0	22 9	26 5	40	41 4						
15	5 97	23 3	3 14	41 4	0	40 6						
16	3 01	37 8	0	45 3	0	45 7						
17	3 71	27 7	0	45 9	0	43 8						
18	3 93	21 4	0	51 2	14 2	43 9						
19	2 06	26 4	0	51 3	32 6	28 6						
20	06	31 4	0	32 9	33 5	23 8						
21	29	24 1	0	34 5	28 2	25 3						
22	64	18 2	0	20 1	28 9	29 4						
23	1 07	15 5	0	31 1	33 6	35 8						
24	1 51	19 7	0	34 6	30 9	35 6						
25	3 21	25 0	0	28 3	30 0	34 4						
26	99	24 7	0	26 6	40 3	32 0						
27	1 90	29 6	41	28 1	45 2	32 8						
28	4 24	23 9	62	30 7	39 5	35 3						
29	0	32 5	61	29 2	34 6	40 9						
30	11 7	30 0	0	40 8	40 1	40 2						
31	-----	-----	0	38 2	-----	-----						

## 2-2909 2 Lostmans River near Everglades, Fla

Location --Lat 25°33'30", long 81°10'25", in sec 26, T 56 S , R 31 E , 60 ft from north bank between First Bay and Second Bay, 2 6 miles east of Lostmans River Ranger Station, 2 7 miles upstream from mouth, and 23 miles southeast of Everglades, Collier County

Records available --November 1961 to June 1965 (discontinued)

Gage --Digital water-stage and deflection-meter recorders Datum of gage is about 1 ft below mean sea level Prior to June 16, 1965, graphic water-stage and deflection-meter recorder at same site and datum

Extremes --Maximum and minimum daily volumes of flow, downstream and upstream, in millions of cubic feet, from November 1961 to June 1965 are contained in the following table

Water year	Downstream flow				Upstream flow			
	Maximum		Minimum		Maximum		Minimum	
	Date	Volume	Date	Volume	Date	Volume	Date	Volume
1962	Sept 22, 1962	625	Feb 12, 1962	103	Apr 20, 1962	840	Mar 17, 1962	146
1963	Sept 26, 1963	772	Apr 30, 1963	181	Oct 31, 1962	714	Sept 26, 1963	66 4
1964	Oct 1, 1963	789	Apr 4, 1964	167	Sept 10, 1964	648	Jan 10, 1964	134
1965	Oct 21, 1964	592	May 23, 1965	121	Mar 6, 1965	647	Feb 26, 1965	103

Maximum and minimum gage heights, in feet, November 1961 to June 1965					
Water year	Date	Gage height	Water year	Date	Gage height
1962	Mar 6, 1962	3 28	1962	Jan 30, 1962	-0 39
1963	Sept 29, 1963	3 74	1963	Apr 2, 1963	-0 56
1964	Oct 2, 1963	3 16	1964	Apr 18, 1964	-0 61
1965	Oct 14, 1964	3 73	1965	Feb 27, 1965	-0 59

1962-65 Maximum daily downstream flow, 789 mcf (millions of cubic feet) Oct 1, 1963, minimum daily, 103 mcf Feb 12, 1962, maximum daily upstream flow, 840 mcf Apr 20, 1962, minimum daily, 66 4 mcf Sept 26, 1963 Maximum gage height, 3 74 ft Sept 29, 1963, minimum, -0 61 ft Apr 18, 1964

Remarks --Records poor Flow affected by tide, volumes are daily totals and do not represent net downstream or upstream volumes for each ebb or flood tide Variations in ocean level increase or decrease the flow by causing variable changes in basin storage Flow computed from continuous velocity record obtained from recording deflection meter

2909 2 Lostmans River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, NOVEMBER 1961 TO SEPTEMBER 1962												
Day	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream
October			November		December		January		February		March	
1			-	-	346	386	180	489	256	492	286	433
2			-	-	382	473	343	293	299	449	298	511
3			-	-	437	381	301	345	323	505	362	528
4			-	-	493	493	343	432	364	562	422	562
5			-	-	410	563	369	482	371	590	387	570
6			-	-	470	578	382	547	355	752	287	761
7			-	-	492	501	466	467	358	656	492	524
8			-	-	518	429	461	534	329	626	464	537
9			-	-	506	435	378	426	271	664	485	628
10			-	-	503	526	412	559	253	736	436	655
11			-	-	451	518	347	400	295	286	377	725
12			-	-	438	545	342	335	103	602	355	604
13			-	-	442	417	250	358	119	664	399	427
14			-	-	431	341	291	385	194	628	411	353
15			-	-	366	385	298	466	238	577	347	498
16			-	-	370	417	332	451	245	644	445	336
17			-	-	387	491	353	382	266	591	430	146
18		363	554	396	550	328	439	274	601	337	337	337
19		478	543	383	572	345	554	264	718	365	456	456
20		514	559	471	419	418	435	397	457	396	577	577
21		564	403	427	345	424	361	355	497	432	597	597
22		438	546	384	436	358	399	383	479	417	588	588
23		434	685	387	530	348	454	365	473	426	563	563
24		534	492	432	385	337	487	329	473	446	395	395
25		487	389	381	349	343	523	296	428	337	592	592
26		403	438	341	331	311	521	272	421	314	656	656
27		354	538	301	478	285	507	248	402	385	360	360
28		362	504	289	478	272	471	224	454	374	251	251
29		352	417	346	248	304	218	-----	-----	305	296	296
30		367	281	286	236	152	357	-----	-----	289	440	440
31		-----	-----	218	344	177	484	-----	-----	343	512	512
April			May		June		July		August		September	
1	417	437	380	520	370	220	520	426	521	456	544	463
2	424	242	377	520	360	270	535	413	500	412	536	418
3	315	310	410	270	365	240	572	383	503	432	515	393
4	340	425	415	660	365	240	466	493	447	464	474	437
5	355	410	405	600	330	355	485	479	459	409	454	398
6	315	700	380	280	310	320	517	415	438	363	414	374
7	340	640	340	280	290	260	481	309	435	321	386	405
8	360	420	295	280	314	278	432	351	345	428	461	368
9	370	315	285	220	288	308	434	292	340	486	480	345
10	318	300	295	200	302	260	409	282	417	440	498	374
11	305	215	300	170	304	279	423	288	486	325	568	426
12	280	240	280	180	326	337	420	300	519	313	599	466
13	340	210	310	180	316	369	467	336	514	386	575	492
14	370	195	325	160	355	345	480	364	545	449	610	498
15	272	520	270	230	410	446	485	384	572	438	604	566
16	305	245	240	540	455	393	516	383	568	493	537	533
17	345	255	340	400	570	294	497	395	571	486	558	488
18	333	760	297	620	514	373	518	414	585	456	565	405
19	385	700	305	720	496	455	446	451	601	473	551	459
20	390	840	320	800	479	528	498	360	496	436	504	447
21	400	330	335	720	469	515	471	379	517	339	532	351
22	310	260	350	780	574	397	460	361	421	391	625	195
23	300	700	315	600	573	305	411	357	542	356	531	284
24	310	340	310	800	465	365	457	319	554	580	580	333
25	330	240	350	220	462	348	416	368	452	399	595	358
26	300	215	325	230	509	353	460	305	462	429	606	417
27	280	190	290	270	499	327	438	394	502	412	549	498
28	280	212	300	270	498	343	458	332	578	427	598	484
29	370	260	380	260	502	449	477	381	533	452	613	420
30	360	290	385	270	536	434	499	432	557	476	613	448
31	-----	-----	350	250	-----	-----	489	473	573	433	-----	-----

Note --No deflection record Apr 2 to June 9



2-2909 2 Lostmans River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1962 TO SEPTEMBER 1963												
Day	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream
	October		November		December		January		February		March	
1	542	473	470	488	426	393	361	409	357	448	407	502
2	553	429	430	402	408	360	342	480	382	419	322	744
3	572	399	383	551	439	254	346	435	318	466	508	428
4	565	403	404	400	401	408	586	384	344	500	311	348
5	503	440	427	298	367	529	382	460	450	410	318	401
6	479	336	439	298	412	232	393	482	402	496	334	436
7	489	291	471	383	481	339	436	469	473	405	376	332
8	470	450	422	494	417	468	454	466	446	510	348	261
9	545	386	471	607	464	422	467	419	472	455	298	439
10	570	393	507	493	506	333	484	439	452	365	394	597
11	596	391	543	398	495	420	471	445	434	513	418	389
12	593	392	516	524	503	410	494	451	417	574	396	475
13	544	476	494	484	500	272	446	474	435	371	332	423
14	595	470	506	292	472	350	433	414	383	504	533	381
15	551	502	429	396	355	395	381	349	321	529	312	418
16	557	395	426	456	370	428	550	266	516	204	316	354
17	472	443	343	453	365	400	250	438	205	257	289	360
18	395	488	350	471	333	389	286	405	200	355	235	339
19	421	402	401	365	362	331	318	400	187	606	195	426
20	410	360	405	352	330	333	307	451	395	352	277	443
21	447	394	420	416	358	400	418	321	377	395	361	277
22	333	521	424	330	373	418	367	269	452	349	348	246
23	473	471	465	210	416	379	315	503	436	295	319	326
24	554	257	320	307	428	340	478	332	408	456	335	339
25	478	270	377	330	441	395	410	395	440	484	354	461
26	464	304	423	285	456	410	391	531	465	476	403	530
27	447	275	356	434	446	400	448	486	441	279	402	533
28	407	368	438	357	434	388	487	434	343	357	427	503
29	440	454	450	378	409	494	408	346	-----	-----	414	427
30	409	514	449	408	455	426	368	496	-----	-----	365	320
31	381	714	-----	-----	393	372	307	572	-----	-----	343	212
	April		May		June		July		August		September	
1	241	289	259	400	445	310	341	285	322	331	480	320
2	208	324	368	166	421	316	352	285	384	362	455	354
3	239	372	290	306	340	426	414	278	415	318	449	390
4	316	395	282	336	494	284	393	390	412	336	451	427
5	322	421	320	362	389	411	396	398	391	344	457	451
6	409	449	348	408	391	447	431	358	407	413	471	424
7	391	554	374	399	504	289	391	405	400	414	468	412
8	422	395	376	405	359	422	387	451	414	422	455	457
9	439	435	353	421	435	308	400	441	418	465	409	400
10	386	480	340	450	371	387	409	430	414	414	436	335
11	382	543	346	421	403	421	381	410	402	354	438	372
12	368	482	347	427	354	422	448	273	339	376	467	325
13	344	525	316	410	392	403	415	310	377	351	495	329
14	343	363	311	388	351	360	390	303	360	320	451	375
15	305	263	276	421	399	327	356	369	401	307	532	318
16	241	321	312	358	418	367	433	333	407	348	441	409
17	206	327	322	443	486	323	448	274	454	317	457	464
18	259	407	379	401	422	348	423	304	422	369	478	395
19	333	451	400	396	420	326	395	343	422	350	441	442
20	398	392	402	405	448	372	382	444	397	416	494	470
21	380	419	470	353	434	411	415	472	403	393	520	389
22	419	397	465	411	439	409	409	452	437	393	596	338
23	449	456	464	454	431	377	398	424	416	366	636	247
24	419	474	476	440	381	369	357	437	407	338	646	279
25	393	457	437	409	362	376	402	336	379	362	597	297
26	396	487	390	443	421	310	369	253	363	304	772	66 4
27	401	364	468	320	404	285	292	294	302	361	875	150
28	382	344	409	283	344	316	301	324	302	314	594	315
29	303	284	356	302	372	292	291	315	354	281	432	802
30	181	403	415	268	351	255	350	275	365	293	744	319
31	-----	-----	345	365	-----	-----	330	297	389	333	-----	-----

## 2-2909 2 Lostmans River near Everglades, Fla --Continued

VOLUME OF FLOW, IN MILLIONS OF CUBIC FEET, OCTOBER 1963 TO SEPTEMBER 1964

Day	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream
	October		November		December		January		February		March	
1	789	267	521	450	540	285	310	400	327	471	337	313
2	775	314	570	449	461	340	320	325	383	322	346	387
3	784	340	540	339	454	423	280	370	322	280	321	415
4	784	271	493	378	459	386	341	386	308	315	314	363
5	707	248	388	552	385	381	338	308	227	453	289	301
6	616	199	357	532	355	338	281	363	293	315	288	208
7	512	298	391	426	319	328	272	332	321	271	213	227
8	448	382	387	339	281	404	337	268	360	225	225	312
9	452	358	440	331	366	263	339	338	330	240	271	358
10	492	318	433	488	357	288	412	154	305	300	333	336
11	473	419	475	367	362	328	264	270	312	365	363	272
12	562	328	534	282	340	383	297	469	330	400	370	300
13	515	294	492	247	389	361	414	316	322	480	405	288
14	495	339	444	250	361	318	456	169	305	460	410	371
15	529	279	422	249	408	282	377	232	355	500	422	151
16	547	338	395	247	317	214	369	343	350	430	393	444
17	532	366	418	229	169	431	342	443	370	440	396	415
18	524	386	372	362	218	468	410	387	400	520	385	349
19	488	413	389	398	286	358	362	355	330	330	354	312
20	500	464	391	386	169	479	351	394	400	230	280	280
21	478	461	361	401	282	410	412	331	360	280	320	220
22	494	406	332	418	258	409	291	343	325	315	360	240
23	392	383	325	454	255	451	317	363	360	270	360	290
24	335	431	347	405	260	330	378	321	310	345	321	275
25	336	436	382	407	228	365	394	338	351	402	306	374
26	399	348	426	384	210	430	421	266	390	341	386	429
27	477	398	456	419	270	475	389	301	404	395	399	373
28	444	478	455	398	265	522	418	339	409	526	421	420
29	475	432	435	522	250	460	435	205	424	708	424	387
30	589	299	539	517	285	370	349	321	-----	-----	374	268
31	548	347	-----	-----	280	430	353	416	-----	-----	290	337
	April		May		June		July		August		September	
1	285	295	290	420	255	310	360	318	410	300	427	320
2	256	283	265	400	275	285	370	330	425	305	461	359
3	221	334	235	450	275	310	400	325	425	330	458	398
4	167	349	340	350	280	350	410	355	435	410	503	386
5	256	195	310	260	320	375	440	375	460	440	476	491
6	208	341	310	300	340	395	460	395	470	480	478	441
7	284	319	330	345	380	410	470	400	475	520	448	434
8	318	339	335	380	450	415	490	415	480	485	473	442
9	371	347	330	425	487	413	480	470	485	500	367	591
10	365	356	330	470	486	422	450	480	475	510	362	648
11	416	353	320	520	463	446	470	440	450	475	459	361
12	360	405	310	505	469	425	470	400	450	415	441	329
13	300	455	290	520	500	339	460	370	465	360	432	327
14	260	440	330	455	475	295	440	310	440	330	480	156
15	300	475	310	390	421	310	400	240	425	370	510	153
16	325	350	290	330	403	306	360	320	410	320	429	235
17	320	330	280	290	391	314	340	340	400	270	486	245
18	265	335	270	260	432	255	390	300	415	280	517	241
19	285	380	260	255	414	282	365	265	425	301	468	375
20	310	310	238	340	496	224	385	335	438	371	475	395
21	310	335	265	315	456	262	420	410	505	297	492	465
22	275	370	300	345	468	282	470	415	445	333	541	437
23	260	420	310	365	468	338	480	405	456	368	486	504
24	290	455	310	380	456	354	470	440	439	377	514	467
25	305	495	315	410	441	460	380	480	444	312	479	497
26	310	490	340	370	450	430	405	505	423	342	462	388
27	301	510	335	385	430	425	410	470	350	522	462	314
28	275	475	315	390	390	440	395	480	371	486	460	205
29	270	450	295	450	410	410	390	460	402	369	354	363
30	285	410	300	395	380	355	370	380	462	292	459	290
31	-----	-----	280	350	-----	-----	350	375	409	342	-----	-----

Note --No deflection record Apr 11 to June 9, June 25 to Aug 19

## 2909 2 Lostmans River near Everglades, Fla --Continued

VOLUME OF FLOW IN MILLIONS OF CUBIC FEET, OCTOBER 1964 TO JUNE 1965

Day	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream	Down-Stream	Upstream
October			November		December		January		February		March	
1	392	384	526	399	467	254	292	391	355	367	270	429
2	461	410	495	479	367	323	319	435	357	405	376	418
3	467	428	515	341	380	462	341	475	348	323	402	409
4	512	394	528	345	446	421	376	281	287	368	362	460
5	488	503	527	351	444	398	251	429	284	340	335	519
6	544	390	528	341	434	313	310	521	276	415	339	647
7	518	360	483	396	300	265	334	443	271	514	463	320
8	446	411	521	307	279	262	319	591	334	316	580	360
9	446	405	487	259	259	300	323	408	256	361	323	288
10	456	311	506	201	279	293	289	471	314	303	268	325
11	392	229	503	211	275	323	303	435	246	394	240	330
12	334	284	471	239	307	392	311	406	303	453	226	374
13	356	319	479	259	329	381	310	413	399	441	273	409
14	377	548	463	293	363	356	315	448	409	462	341	393
15	313	401	470	340	398	231	356	434	434	343	365	442
16	474	370	463	391	303	347	397	479	475	401	371	414
17	434	324	480	387	377	414	385	354	440	411	403	452
18	560	374	456	463	431	444	359	389	408	414	404	485
19	502	468	525	462	379	310	379	432	409	473	372	455
20	563	342	456	515	385	376	333	456	384	364	338	479
21	592	302	488	450	380	437	300	453	338	429	328	176
22	486	457	485	329	405	433	329	366	352	285	195	357
23	477	451	451	351	351	444	277	449	199	504	230	358
24	508	376	339	453	359	509	518	353	252	382	164	379
25	403	376	375	494	365	443	289	506	201	423	189	281
26	456	302	438	319	342	421	222	311	478	103	201	346
27	484	218	419	300	351	300	260	299	281	198	267	300
28	516	251	406	385	324	396	289	205	256	359	295	312
29	443	356	459	300	320	335	214	322	-----	-----	294	378
30	520	339	437	345	325	306	310	379	-----	-----	285	409
31	517	363	-----	-----	295	332	397	289	-----	-----	318	408
April			May		June		July		August		September	
1	356	393	344	369	281	398						
2	362	388	338	447	241	470						
3	333	415	360	383	285	414						
4	314	445	347	367	328	315						
5	334	446	314	403	286	357						
6	310	419	310	326	298	344						
7	308	381	259	335	344	344						
8	251	414	289	326	355	272						
9	220	422	275	369	315	334						
10	264	431	336	341	328	354						
11	329	422	342	310	321	367						
12	330	397	325	321	355	369						
13	382	361	377	346	368	320						
14	414	371	363	345	368	300						
15	364	418	338	384	300	285						
16	349	497	289	287	280	310						
17	350	442	248	455	263	335						
18	365	380	272	404	227	386						
19	347	385	266	390	249	328						
20	345	361	260	330	222	301						
21	324	304	231	309	185	324						
22	288	207	181	246	212	302						
23	213	232	121	352	176	331						
24	237	302	207	310	183	491						
25	254	316	246	324	347	286						
26	297	395	270	346	327	354						
27	320	429	299	387	312	360						
28	380	352	315	365	286	292						
29	403	299	324	385	209	346						
30	363	270	320	370	212	366						
31	-----	-----	288	365	-----	-----						

## 2-2910 Barron River Canal near Everglades, Fla

Location --Lat 25°58', long 81°21', in NW<sup>1</sup> sec 7, T 52 S., R 30 E., on right bank 40 ft upstream from dam, 0.7 mile north of Copeland, 7 miles north of town of Everglades, Collier County, and 7½ miles upstream from mouth

Records available --July to December 1951 (discharge measurements only), January 1952 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark) Prior to Jan 24, 1952, staff gage at same site and datum

Average discharge --13 years (1952-65), 97.2 cfs (70,370 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 29, 30, 1961	208	a 6 09	May 4-10, 1961	7	b 1 19
1962	Sept 25, 1962	292	5 88	Many days	1 0	c 21
1963	Sept 28, 29, 1963	d 194	e 5 60	do	11	f 67
1964	Aug 24, 1964	207	5 22	May 13, 1964	8 0	g 1 02
1965	Oct 15, 16, 1964	205	g 5 36	Many days	5 0	h 1 63

a Occurred Oct 1, 1960 b Occurred May 26, 1961 c Occurred May 18, 1962 d Maximum daily discharge for flood event whose crest occurred during the year, maximum daily discharge, 273 cfs Oct 7, 1962, occurred on recession following crest of Sept 25, 1962 e Occurred Oct 7, 1962 f Occurred May 22, 1963 g Occurred Sept 9, 1965 h Occurred June 5, 1965

1952-65 Maximum daily discharge, 292 cfs Sept 25, 1962, maximum gage height, 6.43 ft Sept 10 or 11, 1960, no flow May 17, 18, 1952, minimum gage height, 0.21 ft May 18, 1962 Flood of October 1947 reached a stage of about 7 ft, from information by local resident

Remarks --Records fair except those below 20 cfs, which are poor Flow regulated by operation of dams at, above, and below station, and is occasionally affected by tide Overbank flow not included in discharge figures

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	153	140	138	128	110	67	53	8.0	12	84	152	203
2	151	146	136	128	107	72	54	8.0	12	75	154	201
3	150	146	136	126	107	70	44	8.0	12	76	158	202
4	149	143	136	124	108	67	38	7.0	11	82	160	203
5	148	144	136	122	104	65	32	7.0	10	86	162	202
6	147	144	136	122	102	63	30	7.0	10	82	163	198
7	144	144	136	121	109	61	32	7.0	10	80	165	195
8	148	144	136	120	118	59	44	7 0	12	77	170	190
9	148	144	136	128	112	57	40	7.0	12	73	178	186
10	148	144	136	134	108	54	39	7.0	13	71	181	185
11	148	145	136	132	104	52	37	15	14	70	182	191
12	146	146	137	136	102	50	34	26	15	70	185	189
13	149	146	136	146	98	49	32	22	16	74	184	190
14	150	144	134	146	96	54	27	20	15	88	184	186
15	148	144	134	142	94	50	25	18	15	97	190	181
16	146	144	134	138	92	47	24	17	14	90	195	176
17	145	144	130	134	90	45	21	15	14	88	195	176
18	144	142	128	130	88	44	18	14	13	97	197	175
19	142	143	128	128	86	43	15	13	12	104	196	170
20	147	142	129	127	84	41	12	12	11	100	193	167
21	141	142	132	124	82	39	10	11	10	102	190	159
22	140	140	132	120	80	38	10	10	10	106	186	155
23	138	140	132	117	78	26	10	10	9.0	107	189	151
24	137	140	130	114	76	17	9.0	9 0	10	110	200	146
25	136	140	130	112	74	20	9.0	9.0	12	119	203	141
26	136	140	130	110	72	23	9.0	9.0	22	128	203	136
27	135	140	129	110	69	23	9.0	12	34	132	200	134
28	135	140	129	108	69	24	9.0	11	65	136	201	130
29	135	140	128	115	-----	23	8 0	11	78	140	208	127
30	134	140	128	118	-----	24	8.0	12	76	144	208	124
31	134	-----	128	113	-----	21	-----	12	-----	148	206	-----
TOTAL	4,451	4,283	4,118	3,873	2,619	1,388	742.0	361.0	579.0	3,036	5,738	5,164
MEAN	144	143	133	125	93.5	44.8	24.7	11.6	19.3	97.9	185	172
MAX	153	146	138	146	118	72	54	26	78	148	208	203
MIN	134	140	128	108	69	17	8.0	7 0	9.0	70	152	124
AC-FT	8,830	8,500	8,170	7,680	5,190	2,750	1,470	716	1,150	6,020	11,380	10,240

CAL YR 1960 TOTAL 42,358 MEAN 124 MAX 195 MIN 45 AC-FT 89,970  
WAT YR 1961 TOTAL 36,352.0 MEAN 99.6 MAX 208 MIN 7.0 AC-FT 72,100

## 2-2910 Barron River Canal near Everglades, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	122	66	38	20	14	4.0	4 0	1.0	7.0	106	176	203
2	118	65	37	20	14	3 0	5 0	1 0	7 0	110	168	203
3	113	63	36	20	14	3 0	5.0	1 0	7 0	118	163	200
4	108	62	36	19	14	3 0	5.0	1.0	6.0	121	159	193
5	104	65	35	19	14	3 0	5.0	1.0	6.0	122	157	188
6	100	67	35	18	14	2 0	5 0	1.0	6.0	128	156	186
7	95	69	34	18	14	2 0	5 0	1.0	5.0	132	158	181
8	93	68	33	14	14	1.0	6.0	1.0	5.0	130	161	182
9	90	61	31	17	14	1.0	6.0	1.0	4.0	130	167	178
10	87	57	31	17	14	2 0	5 0	2 0	4 0	134	163	182
11	97	53	30	16	14	2 0	5.0	2.0	4.0	154	185	186
12	117	51	30	16	13	3 0	5.0	2 0	4.0	158	195	182
13	116	49	29	15	13	4.0	5.0	1.0	5.0	157	201	179
14	116	46	26	15	12	2 0	4 0	1 0	6.0	165	209	176
15	112	44	27	14	12	2 0	4.0	1.0	10	205	203	175
16	104	43	26	14	11	2 0	4.0	1 0	19	215	202	172
17	93	42	26	14	10	1 0	4 0	1 0	23	212	206	170
18	91	41	26	14	10	1.0	3 0	1 0	24	206	198	167
19	97	40	24	14	9 0	1.0	3 0	1 0	24	213	190	175
20	86	39	26	14	9 0	1.0	3 0	1 0	35	205	181	220
21	82	36	24	14	8 0	1.0	3 0	2.0	47	197	174	275
22	79	37	24	14	7 0	1.0	3 0	2 0	96	177	169	284
23	77	34	24	14	7.0	2 0	2 0	2.0	90	187	166	289
24	75	47	24	15	7.0	2.0	2.0	4.0	102	187	167	291
25	73	47	23	15	6.0	2.0	2.0	4.0	105	179	168	292
26	70	43	22	15	5 0	3 0	2.0	3.0	96	170	171	280
27	68	44	22	15	2.0	2 0	2 0	2 0	94	177	167	275
28	69	43	22	15	4 0	2.0	2 0	2 0	96	176	164	279
29	72	42	21	14	-----	2.0	2.0	2.0	101	168	175	275
30	70	40	20	14	-----	2 0	2 0	2 0	104	166	197	271
31	66	-----	20	14	-----	3 0	-----	3 0	-----	172	199	-----
TOTAL	2,855	1,913	866	491	307.0	95.0	113.0	51.0	1,147.0	5,091	5,537	6,528
MEAN	92.2	51.4	27.4	15.8	10.8	2 10	3 77	1.65	38.2	164	179	218
MAX	127	69	38	20	14	4 0	6.0	4 0	105	215	209	292
MIN	66	37	21	14	4.0	1.0	2.0	1 0	4.0	106	156	167
AC-FT	5,670	3,300	1,720	974	594	129	224	101	2,280	10,100	10,980	12,950

CAL YR 1961: TOTAL 28,737.0 MEAN 74.7 MAX 208 MIN 7.0 AC-FT 57,000  
 WATER YR 1962: TOTAL 28,552.0 MEAN 67.3 MAX 292 MIN 1.0 AC-FT 48,720

Note --Stage-discharge relation affected by tide May 16 to June 20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	268	176	137	91	79	100	41	11	51	73	29	29
2	265	175	136	91	76	97	40	18	51	72	28	38
3	263	175	134	90	74	94	38	18	51	74	28	42
4	267	176	133	86	80	91	37	20	53	68	27	43
5	267	172	136	87	80	89	37	19	57	62	26	44
6	265	169	143	88	78	87	36	18	56	58	26	47
7	273	167	137	97	74	87	37	17	60	54	25	47
8	268	166	136	96	72	82	37	17	60	51	25	53
9	263	182	134	97	69	79	36	16	62	47	24	72
10	260	176	136	94	68	78	35	17	64	45	23	62
11	255	174	126	91	66	79	33	15	63	42	22	54
12	250	172	124	90	143	77	33	14	62	40	20	49
13	245	173	119	89	172	74	32	14	61	40	20	45
14	240	168	116	88	152	72	31	13	60	38	19	43
15	234	164	113	85	139	70	29	13	64	37	19	42
16	227	163	115	81	147	69	28	12	69	36	19	42
17	220	161	113	76	139	66	26	12	64	37	18	42
18	214	160	110	76	131	64	27	12	62	37	16	58
19	208	158	107	74	132	62	26	12	58	35	16	86
20	202	156	106	73	131	60	26	11	52	33	15	119
21	190	155	104	85	125	58	25	11	55	33	15	109
22	193	154	103	89	119	55	25	11	67	32	14	119
23	191	149	102	85	115	53	24	13	66	30	14	133
24	190	145	101	82	112	51	24	14	70	29	13	146
25	184	143	100	80	110	50	23	19	66	28	13	174
26	161	142	99	69	110	49	22	30	65	26	13	189
27	176	134	98	92	109	48	21	32	74	25	12	193
28	172	139	98	89	103	47	20	38	79	24	11	194
29	170	136	96	85	-----	45	19	45	82	23	15	194
30	169	137	97	83	-----	44	18	46	74	26	24	193
31	178	-----	94	81	-----	43	-----	47	-----	30	25	-----
TOTAL	6,956	4,324	3,601	2,686	2,995	2,120	889	611	1,878	1,285	614	2,701
MEAN	224	161	116	86.6	107	68.4	29.6	19.7	62.6	41.5	19.8	90.0
MAX	273	182	143	98	172	100	61	47	74	74	29	194
MIN	169	137	94	73	66	43	18	11	51	23	11	29
AC-FT	13,800	9,570	7,140	5,330	5,940	4,200	1,760	1,210	3,720	2,550	1,220	5,360

CAL YR 1962: TOTAL 34,706.0 MEAN 95.1 MAX 292 MIN 1.0 AC-FT 68,840  
 WATER YR 1963: TOTAL 31,160 MEAN 85.4 MAX 273 MIN 11 AC-FT 61,800

Note --Stage-discharge relation affected by tide most of the year



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2913 Golden Gate Canal at Naples, Fla

Location --Lat 26°10'01", long 81°46'02", in NE $\frac{1}{4}$  sec 35, T 49 S, R 25 E, near right bank on downstream side of bridge on Airport Road, 0.5 mile upstream from concrete control, 1.4 miles upstream from mouth, and  $1\frac{1}{2}$  miles east of Naples city limits, Collier County

Records available --October 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (State Road Department bench mark)

Extremes --1964-65 Maximum discharge during water year, 1,100 cfs Sept 9 (gage height, 4 27 ft),  
minimum, 39 cfs May 3 (gage height, 2 28 ft)

Remarks --Records good

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	303	182	101	104	78	107	69	41	65	308	548	788
2	298	176	104	101	86	104	67	41	65	298	512	794
3	292	171	101	101	73	115	65	41	67	286	458	884
4	292	176	101	98	69	130	65	41	65	281	446	848
5	286	171	120	95	69	120	62	42	69	281	452	782
6	281	160	104	92	78	107	60	48	71	286	506	722
7	281	160	95	92	71	107	58	47	69	286	536	770
8	276	155	101	86	65	107	69	58	69	336	596	916
9	270	150	98	83	71	101	56	47	71	312	572	986
10	264	145	95	89	67	98	55	47	73	422	572	908
11	264	145	95	86	69	98	55	47	86	440	590	842
12	259	140	95	80	65	95	53	47	204	422	638	770
13	259	135	95	83	67	445	52	45	276	440	632	716
14	270	135	92	80	67	95	52	45	242	512	632	662
15	281	135	92	92	69	92	50	45	204	488	596	620
16	281	125	92	101	67	89	48	45	210	452	560	584
17	276	125	89	78	67	86	44	44	204	472	572	578
18	270	120	89	83	67	86	47	53	248	416	584	548
19	254	120	86	92	67	83	47	58	281	422	608	524
20	242	120	89	83	65	83	45	52	292	428	602	500
21	237	125	89	83	69	80	52	48	298	428	596	470
22	226	115	89	80	71	67	45	47	308	414	614	440
23	220	115	86	73	92	80	60	47	320	428	608	452
24	210	110	80	76	110	78	60	45	336	482	650	470
25	204	140	83	76	101	71	65	47	336	512	668	458
26	198	125	92	71	95	69	62	45	347	530	698	440
27	198	110	115	80	107	68	58	45	364	488	698	458
28	215	120	120	71	110	83	56	45	364	476	722	428
29	215	160	104	69	-----	76	50	44	347	542	818	452
30	188	120	107	69	-----	67	42	45	325	650	812	458
31	182	-----	107	69	-----	67	-----	53	-----	608	770	-----
TOTAL	7,792	4,186	3,006	2,616	2,152	2,827	1,681	1,434	6,276	13,208	18,866	19,038
MAX	303	182	104	104	110	130	69	58	364	650	818	986
MIN	182	110	80	69	65	67	42	41	65	281	446	428
AC-FT	15,460	8,300	5,960	5,190	4,270	5,610	3,330	2,840	12,450	26,200	37,420	37,760
CAL YR	1964	MAX	MIN	MEAN	AC-FT	164,800						
WAT YR	1965	986	41	228	AC-FT							

## 2-2920 Caloosahatchee Canal at Moore Haven, Fla

Location --Lat 26°50', long 81°05' in sec 12, T 42 S, R 32 E, on right bank at Moore Haven, Glades County, 0.5 mile downstream from hurricane gate and lock 1 at Lake Okeechobee Outlet, and 15 miles upstream from lock 2

Records available --May to September 1913 (discharge measurements only) October 1938 to September 1965 Monthly discharge only for some periods, published in WSP 1304 Prior to October 1938, published as Threemile Canal near Ritta

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (levels by Corps of Engineers) Prior to Jan 17, 1952, at datum 1.44 ft lower Auxiliary water-stage recorder a quarter of a mile upstream from Lake Hicpochee and 2.5 miles downstream from base gage

Average discharge --27 years, 1,044 cfs (755,800 acre-ft per year)

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Dec 7, 1960	4,980	-	Many days	(a)	-
1962	Dec 23, 1961	2,100	-	June 17, 1963	a -1,130	-
1963	Apr 22, 1963	1,240	-	Many days	(a)	-
1964	Sept 6, 1964	2,550	b 12 17	do	(a)	c 9 63
1965	Oct 6, 1964	2,130	d 12 60	do	(a)	e 9 14

a Lock closed and flow consists of leakage and lockage (estimated as 10 cfs) for many days b Occurred May 8, 1964 c Occurred Aug 27, 1964 d Occurred Aug 3, 1965 e Occurred Oct 15, 1964

Note --Negative figures indicate flow toward Lake Okeechobee

1938-65 Maximum discharge measured, 5,930 cfs Nov 6, 1947, maximum daily, 5,660 cfs Dec 8, 1945, maximum daily reverse flow, 1,130 cfs June 17, 1962, lock closed and flow consists of leakage and lockage (estimated as 10 cfs) during several periods in each year

1938-51, 1961-65 Maximum gage height, 15.76 ft (present datum) Sept 27, 1948, minimum, 5.8 ft (present datum) estimated Aug 8, 1940

Remarks --Flow regulated by lock 1 at Lake Okeechobee Records include flow through lock, leakage, and lockage Records of chemical analyses for the water years 1962-65, and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Cooperation --Records furnished by Corps of Engineers, Jacksonville District, since July 1951

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	670	4,160	4,430	3,730	3,790			910		1,230		
2	10	3,700	4,800	3,460	3,340					1,560		
3	1,000	3,920	4,630	3,420	3,500					1,790		
4	1,950	3,800	4,220	3,790	3,420					1,830		
5	3,400	4,130	4,790	3,480	3,450					2,050		
6	3,470	4,000	4,790	3,600	3,470					1,770		
7	3,680	4,430	4,980	3,270	2,740					1,820		
8	3,820	4,350	4,360	3,250	2,830				10	1,830		
9	3,490	4,110	4,820	3,710	2,790					1,750		
10	3,790	4,450	3,640	3,580	3,000			10		1,890		
11	3,910	4,300	3,940	3,220	2,300					1,820		
12	3,820	4,790	3,960	3,150	2,090					1,860	10	
13	3,870	3,920	4,010	3,270	3,000					1,820		
14	3,620	4,090	3,880	3,080	2,650					1,820		
15	3,960	4,140	4,090	2,990	2,990				1,340	2,000		
16	4,000	4,720	3,790	3,110	2,740	10	10			1,980		10
17	3,640	4,240	3,910	3,010	2,320			1,180		2,070		
18	3,680	4,360	3,990	3,480	2,460					2,240		
19	3,700	4,540	4,300	3,340	2,170					2,340		
20	4,240	4,540	4,030	3,300	2,300					2,110		
21	4,320	4,750	4,020	3,360						2,070		
22	3,940	4,430	3,920	3,610	2,820					1,420		
23	3,870	4,040	3,360	3,700						1,800		
24	4,220	4,760	4,170	3,530						1,940		
25	4,770	4,400	4,390	3,480	10			10		1,670	10	
26	4,650	4,340	3,740	3,440						1,560		
27	4,620	4,490	3,810	3,770						1,920		
28	4,960	4,140	4,230	3,700						2,050		
29	4,600	4,310	3,380	3,660						2,130		
30	4,330	4,530	3,670	3,630						2,220		
31	4,630	-----	3,420	3,660			-----			-----		
TOTAL	113,830	129,070	126,350	106,400	61,950	310	300	2,390	31,560	30,240	590	300
MEAN	3,672	4,162	4,070	3,448	2,213	10.0	10.0	76.8	1,052	975	19.0	10.0
MAX	4,960	4,990	4,980	3,810	3,790	-	-	1,180	2,330	2,050	290	-
MIN	10	3,730	3,240	2,990	-	-	-	-	-	-	-	-
AC-FT	225,800	236,000	250,600	212,000	122,900	615	595	4,720	62,600	59,980	1,170	595
CAL YR 1960	TOTAL 435,970			MEAN 2,721		MAX 4,980		MIN 10		AL-FT 1,975,000		
WAT YR 1961	TOTAL 603,780			MEAN 1,654		MAX 4,980		MIN -		AC-FT 1,198,000		

Note --Bracketed periods indicate that lock is closed and flow consists of leakage and lockage, estimated as 10 cfs



## LAKE OKEECHOBEE AND THE EVERGLADES BASINS

2-2920 Caloosahatchee Canal at Moore Haven, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT
1			10									
2			1,910									
3												
4												
5	10	10		10		220	10	10				
6						10						
7						10						
8	670	900	10	400		490	0		0			
9					10							
10						10		470				
11												
12			1,870	10		380			0			
13									0			
14	10	10						10	0			
15									0	10	10	10
16									0			
17		740				10		500	0			
18			10				10		0			
19				330					0			
20	730				460				0			
21				10		100		10	0			
22						10			0			
23			2,100		10	400			0			
24	10	10		430				410				
25												
26			10	210				10	10			
27	430				460	10	3					
28				10	10							
29	10						10					
30									50			
31			1,080	220					0			
				200								
TOTAL	2,110	1,320	7,050	2,040	1,150	1,350	590	1,940	70	310	310	300
MEAN	68.1	64.0	253	65.8	42.1	59.7	19.7	62.6	2.33	10.0	10.0	10.0
MAX	730	900	2,100	430	460	490	310	500	-	-	-	-
MIN	-	-	-	-	-	-	-	-	-	-	-	-
AC-FT	4,190	3,310	13,570	4,020	2,340	3,070	1,170	1,850	139	615	615	595
CAL Yr 1961	TOTAL 246,510			MEAN 75		MAX 3,810	MIN -	AC-FT 488,700				
WAT Yr 1962	TOTAL 14,270			MEAN 39.1		MAX 2,100	MIN -	AC-FT 28,310				

Note --Bracketed periods indicate that lock is closed and flow consists of leakage and lockage, estimated as 10 cfs Negative figures indicate flow toward Lake Okeechobee

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT
1												
2												
3							10				10	
4												
5												
6												
7												
8												
9							830				670	
10												
11												
12						10	10			10		
13							1,010					
14					10			10				
15	10	10	10	10					10			10
16												
17								10				
18												
19											10	
20												
21							1,240					
22												
23												
24												
25												
26						1,040						
27						370						
28										740		
29										10		
30						10	1,130			10		
31												
TOTAL	310	300	310	310	280	1,700	4,470	310	300	1,040	970	300
MEAN	10	10	10	10	10	54.8	149	10	10	33.5	31.3	10
MAX	-	-	-	-	-	1,040	1,240	-	-	740	670	-
MIN	-	-	-	-	-	-	-	-	-	-	-	-
AC-FT	615	595	615	615	555	3,370	8,870	615	595	2,060	1,920	595
CAL YR 1962	TOTAL 3,310			MEAN 9.07		MAX 500	MIN -1,130	AC-FT 6,570				
WAT YR 1963	TOTAL 10,600			MEAN 29.0		MAX 1,240	MIN -	AC-FT 21,020				

Note --Bracketed periods indicate that lock is closed and flow consists of leakage and lockage, estimated as 10 cfs Negative figures indicate flow toward Lake Okeechobee

## 2-2920 Caloosahatchee Canal at Moore Haven, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1			10									10
2			10									1,760
3			360				10	10				1,990
4		590					550	330				1,990
5												2,160
6							10	10				2,550
7	10		10				10	10				2,390
8							210	380				2,070
9							10	210				1,390
10			410				470	10				1,720
11								520				2,100
12		10					10	10				1,960
13								330				1,990
14	170						670					1,900
15							10					1,390
16				10	10	10			10	10	10	2,230
17	10						700	10				2,040
18												2,490
19							10					2,280
20		170										2,150
21	330		10				550	240				2,020
22							10	10				1,810
23	10						950	240				1,970
24							340	10				2,220
25	230						10	480				2,070
26			10									2,130
27	10						480	10				1,880
28								470				1,400
29	200						10	10				2,110
30	10							350				2,320
31	10					360		10				
TOTAL	1,200	1,040	1,060	310	290	660	5,130	3,760	300	310	310	58,490
MEAN	38 7	34 7	34 2	10	10	21 3	171	121	10	10	10	1,950
MAX	330	590	410	-	-	360	950	520	-	-	-	2,550
MIN	-	-	-	-	-	-	-	-	-	-	-	-
AC-FT	2,380	2,060	2,100	615	575	1,310	10,180	7,460	595	615	615	116,000

CAL YR 1963: TOTAL 12,980 MEAN 35 6 MAX 1,240 MIN - AC-FT 25,740  
WAT YR 1964: TOTAL 72,860 MEAN 199 MAX 2,550 MIN - AC-FT 114,500

Note --Bracketed periods indicate that lock is closed and flow consists of leakage and lockage, estimated as 10 cfs  
No gage height record Sept 1-30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	1,980		10	10					10		1,580	
2	1,980			10					330		1,520	
3	1,980		450	10					180		1,500	
4	1,850			180			10	10	260		1,570	
5	1,960			240							1,640	
6	2,130		10	10				580			1,560	
7	970	10		390			1,160				1,620	
8				10			1,860				1,640	
9				10			1,820	10			1,640	
10			1,170	10			1,790				1,800	
11	10			620			1,500	770			1,690	
12				10			1,560				1,630	
13		300		10			1,330				1,690	
14		10		10			1,510				1,580	
15	320	10	120		10		1,490			10	1,760	10
16		10	10	10		10	1,220		10		1,700	
17		200	110				580	10			1,690	
18		10					1,040				1,670	
19		370					1,020				1,780	
20			10	720			960				1,700	
21							860				1,670	
22			10				470				1,700	
23			260								1,620	
24	10			10							1,630	
25		550						160			1,850	
26								220			1,700	
27			10	450			10	10			1,350	
28				580				730				
29		10		10				360				
30				10				10		880	10	
31				10				10		1,590		
TOTAL	13,400	1,680	2,980	3,320	280	310	20,310	3,070	1,040	2,760	44,520	300
MEAN	432	56 0	96 1	107	10	10	677	99 0	34 7	89 0	1,436	10
MAX	2,130	550	1,170	720	-	-	1,860	770	330	1,590	1,850	-
MIN	-	-	-	-	-	-	-	-	-	-	-	-
AC-FT	26,580	3,330	5,910	6,590	555	615	40,280	6,090	2,060	5,470	88,300	595

CAL YR 1964: TOTAL 87,620 MEAN 239 MAX 2,550 MIN - AC-FT 173,800  
WAT YR 1965: TOTAL 93,970 MEAN 257 MAX 2,130 MIN - AC-FT 186,400

Note --Bracketed periods indicate that lock is closed and flow consists of leakage and lockage, estimated as 10 cfs

## PEACE RIVER BASIN

2-2934 5 Gum Lake marsh outlet at Lake Alfred, Fla

Location --Lat 28°06'11", long 81°42'22", in SW 1/4 sec 27, T 27 S, R 26 E, near midstream, 10 ft upstream from culvert on old Lake Alfred-Haines City road, 0.1 mile upstream from Lake Haines and U S Highways 17 and 92, and 0.6 mile east of the town of Lake Alfred, Polk County

Drainage area --4.2 sq mi, approximately

Records available --October 1960 to September 1962 (discontinued)

Gage --Staff gage read once daily Datum of gage is 127.42 ft above mean sea level, datum of 1929

Extremes --1960-61 Maximum daily discharge during water year, 29 cfs Oct 1, 2, maximum gage height, unknown, no flow Apr 23, 24, Apr 26 to May 25, May 30 to Sept 30 (dry for many days)  
1961-62 No flow during water year, outlet dry for parts of period May to September  
Flood of September 1960 reached a stage of 4.67 ft, from floodmarks (discharge, unknown)

Remarks --Record poor Most of the flow at this site during the 1961 water year was diverted from Withlacoochee River basin through a break, that occurred in September 1960, in an earthen dike

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	29	17	7 1	3 4	1 4	1 2	7	0				
2	29	17	7 1	3 2	1 2	1 1	6	0				
3	28	16	5 7	3 1	1 1	1 0	5	0				
4	28	16	5 4	2 8	2 1	1 0	5	0				
5	27	15	5 2	2 5	1 9	9	4	0				
6	26	15	4 9	2 2	1 6	9	3	0				
7	26	14	4 6	2 1	3 4	1 0	5	0				
8	26	14	4 3	1 9	5 0	9	4	0				
9	27	13	4 0	1 6	4 7	9	4	0				
10	28	13	3 5	3 1	4 4	8	4	0				
11	28	12	4 9	2 8	4 0	7	3	0				
12	27	12	6 3	2 7	3 7	7	3	0				
13	26	12	5 4	5 4	3 4	7	2	0				
14	26	12	4 9	5 2	3 2	1 1	2	0				
15	25	11	4 7	5 3	3 1	1 0	2	0				
16	24	11	4 7	4 9	2 9	9	3	0				
17	23	11	5 4	4 6	2 8	9	2	0				
18	23	10	4 9	4 3	2 6	1 8	2	0				
19	22	10	4 7	3 7	2 4	1 7	2	0				
20	22	10	4 6	3 4	2 3	1 5	1	0				
21	21	9 8	5 0	3 1	2 1	1 4	1	0				
22	21	9 5	4 9	2 8	1 7	1 3	1	0				
23	20	9 0	4 6	2 5	1 5	1 2	0	0				
24	20	8 8	4 4	2 4	1 4	1 1	0	0				
25	19	8 5	4 3	2 2	1 3	1 0	1	0				
26	18	8 3	4 0	2 1	1 3	9	0	1				
27	18	8 1	3 8	1 9	1 3	9	0	1				
28	18	7 8	3 7	1 8	1 3	7	0	1				
29	17	7 5	4 3	1 8	6	6	0	1				
30	17	7 2	4 0	1 6	5	5	0	0				
31	16	-----	3 5	1 5	-----	7	-----	0	-----			-----
TOTAL	725	345 5	148 8	91 9	69 1	31 0	7 2	40	0	0	0	0
MEAN	23 4	11 5	4 80	2 96	2 47	1 00	24	01	0	0	0	0
MAX	29	17	7 1	5 4	5 0	1 8	7	1	0	0	0	0
MIN	16	7 2	3 5	1 5	1 1	5	0	0	0	0	0	0
WAT YR 1961 MAX 29 MIN 0 MEAN 3 89												
CAL YR 1961 MAX 5 4 MIN 0 MEAN 55												
WAT YR 1962 MAX 0 MIN 0 MEAN 0												

Note --No gage-height record Oct 1 to Nov 28

2-2939 86 (revised) Peace Creek drainage canal near Alturas, Fla

Location --Lat 27°55'23", long 81°42'28", in NE $\frac{1}{4}$  sec 34, T 29 S, R 26 E, near left bank at upstream side of highway bridge, half a mile north of State Highway 60, 3 5 miles north of Alturas, Polk County, and 8 $\frac{1}{4}$  miles east of Bartow

Drainage area --160 sq mi (revised)

Records available --October 1946 to September 1965 Monthly discharge only for some periods, published in WSP 1304 Prior to October 1955, published as Peace Creek Marsh Outlet near Alturas

Gage --Digital water-stage recorder Datum of gage is 97 67 ft above mean sea level, datum of 1929 (State Road Department bench mark) Prior to Apr 27, 1965, graphic water-stage recorder at same site and datum

Average discharge --19 years, 109 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 8, 1961	a 388	b 9 67	June 12, 1961	8 5	3 44
1962	Sept 21, 1962	328	7 16	May 15, 16, 1962	c 3 2	d 3 27
1963	Feb 12, 1963	468	8 08	Many days	5 5	e 3 27
1964	Feb 8, 1964	342	7 78	July 15, 21, 22, 1964	3 4	f 3 58
1965	Aug 11, 1965	567	8 41	June 6, 1965	1 2	g 3 81

a Maximum independent peak discharge, maximum discharge during year, 732 cfs Oct 1, 1960, occurred on recession following peak of Sept 12, 1960

b Occurred Oct 1, 1960

c Minimum daily

d Occurred Dec 9, 1961

e Occurred May 8, 9, 10, 11, 20, 21, 1963

f Occurred Nov 1, 1963

g Occurred Nov 27, 28, 1964

1946-65 Maximum discharge, 1,740 cfs Aug 28, 29, 1949, maximum gage height, 12 80 ft Sept 12, 1960, minimum discharge, 1 2 cfs June 6, 1965, minimum gage height, 2 61 ft May 26-28, 1949

Maximum stage known, 13 3 ft in 1928, from information by local resident (discharge, 2,540 cfs, from rating curve extended above 1,600 cfs)

Remarks --Records good except those after October 1961 and those for period of shifting control, which are fair Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	728	288	84	48	41	63	61	21	23	43	25	76
2	715	269	78	47	41	60	56	23	21	32	29	65
3	687	280	71	46	42	59	50	24	19	26	52	59
4	656	267	64	44	50	56	46	22	14	33	32	61
5	624	252	63	43	50	54	42	21	11	36	26	58
6	599	239	61	43	46	52	39	21	11	25	22	60
7	609	228	62	43	138	49	54	20	9.7	21	31	56
8	636	214	60	42	376	47	57	18	10	21	37	53
9	618	201	58	40	107	46	67	16	10	25	33	56
10	624	191	57	48	222	43	103	76	10	20	30	56
11	604	183	56	47	174	40	83	51	10	22	26	49
12	581	175	55	46	146	39	72	39	9.4	21	22	45
13	562	169	53	58	130	40	66	39	9.4	19	20	43
14	547	161	51	84	117	70	54	28	9.7	16	17	40
15	539	157	50	75	108	61	52	25	9.7	31	16	38
16	525	151	58	68	102	53	64	22	13	27	16	36
17	506	145	56	64	94	49	66	20	13	23	18	34
18	487	139	53	62	92	61	58	18	16	28	46	36
19	474	134	51	61	84	240	53	17	16	69	52	33
20	464	128	50	59	78	230	46	15	15	80	51	30
21	450	122	52	56	74	183	42	14	13	70	50	28
22	435	118	57	52	74	157	39	13	12	62	53	27
23	422	113	54	49	86	139	37	13	11	56	95	25
24	405	109	52	48	84	121	33	12	13	51	80	23
25	381	104	51	47	81	106	31	14	17	43	68	22
26	356	102	50	47	77	89	29	22	28	39	65	20
27	343	97	48	47	70	77	28	22	23	33	61	24
28	312	92	48	46	66	69	26	33	19	29	60	24
29	295	91	48	46	-----	62	25	32	24	26	61	22
30	261	88	49	44	-----	57	23	27	39	25	83	21
31	276	-----	48	44	-----	60	-----	25	-----	25	89	-----
TOTAL	15,751	5,027	1,748	1,600	3,050	2,532	1,502	785	458.9	1,077	1,366	1,220
MEAN	508	168	56.4	51.6	109	81.7	50.1	25.3	15.3	34.7	44.1	40.7
MAX	728	289	84	84	376	240	103	76	39	80	95	76
MIN	276	88	48	42	41	39	23	12	9.4	16	16	20
CFSM	3.18	1.05	.35	.32	.68	.51	.31	.16	.10	.22	.28	.25
IN.	3.66	1.17	.41	.37	.71	.59	.35	.18	.11	.25	.32	.28

CAL YR 1960 TOTAL 107,193 MEAN 293 MAX 1,610 MIN 37 CFSM 1.83 IN 24.92  
 WAT YR 1961 TOTAL 36,116.9 MEAN 99.0 MAX 728 MIN 9.4 CFSM .62 IN 8.39

Note --Shifting-control method used Feb 10 to Mar 9

## 2-2939 86 Peace Creek drainage canal near Alturas, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	6.8	8.7	8.5	16	13	11	6.8	15	303	109	207
2	18	6.7	7.3	7.9	15	12	14	6.5	13	267	91	192
3	17	5.7	7.6	6.5	9.6	12	16	6.0	11	166	68	122
4	15	5.4	7.3	6.5	7.6	11	14	5.5	9.0	118	58	93
5	13	5.7	5.2	6.2	6.0	10	12	7.6	12	97	50	84
6	12	5.7	5.0	7.3	5.5	9.3	11	8.7	12	84	46	79
7	12	6.2	5.2	8.2	5.8	7.9	13	6.2	11	73	46	133
8	11	6.2	4.8	7.6	5.5	7.3	17	4.2	11	64	70	115
9	10	7.1	3.8	6.8	5.8	9.0	16	3.8	11	56	47	86
10	10	7.3	4.2	6.5	9.0	8.2	14	3.4	12	52	72	75
11	9.7	5.8	4.2	7.3	7.6	8.5	15	4.8	12	48	219	64
12	9.7	5.0	4.0	7.3	6.5	7.3	14	5.8	12	45	160	58
13	9.4	6.2	4.0	7.1	6.2	7.3	12	5.2	18	44	107	53
14	10	5.8	4.0	7.1	5.8	7.9	12	4.5	38	44	72	70
15	10	6.2	4.0	6.5	5.8	7.9	11	3.2	28	58	65	70
16	11	6.5	4.0	6.2	6.0	14	9.3	3.2	55	52	71	55
17	10	7.3	6.5	7.9	7.9	15	8.2	3.6	128	46	85	47
18	9.7	7.1	5.2	6.2	9.0	12	7.9	4.0	54	42	126	42
19	9.1	5.8	9.6	6.5	9.3	9.3	7.9	4.0	31	46	95	42
20	8.8	7.1	10	6.5	20	7.6	8.2	3.8	22	43	75	66
21	8.2	6.5	7.6	6.5	26	7.3	8.5	3.6	24	44	67	287
22	8.2	5.8	7.1	6.0	23	7.9	8.2	3.4	37	39	68	316
23	7.6	6.0	6.2	5.2	21	11	7.1	5.0	105	32	59	272
24	7.0	9.9	6.0	5.2	20	13	6.2	5.8	56	25	55	223
25	6.8	11	9.3	12	19	17	6.2	6.2	36	21	52	185
26	6.5	11	15	21	17	14	6.8	5.8	34	18	52	158
27	6.5	10	12	20	15	13	7.6	5.8	67	16	55	139
28	6.8	9.0	12	19	14	17	7.6	6.0	48	14	64	123
29	7.6	7.6	9.9	18	-----	11	7.3	6.8	58	15	64	107
30	7.3	7.1	6.0	17	-----	10	9.0	11	86	46	51	98
31	6.8	-----	6.8	16	-----	10	-----	16	-----	136	49	-----
TOTAL	315.7	204.0	210.5	284.6	324.9	317.7	318.0	176.2	1,066.0	2,152	2,368	3,661
MEAN	10.2	6.97	6.79	9.18	11.6	10.2	10.6	5.68	35.5	69.4	76.4	122
MAX	21	11	15	21	26	15	17	16	128	303	219	316
MIN	6.5	5.0	4.8	5.2	5.5	7.4	6.2	4.2	9.0	14	46	42
CFSM	.06	.04	.04	.06	.07	.06	.07	.04	.22	.43	.48	.76
IN	.07	.05	.05	.07	.08	.07	.07	.04	.25	.50	.55	.85

CAL YR 1961- TOTAL 14,326.1  
WAT YR 1962 TOTAL 11,403.6MEAN 39.2  
MEAN 31.2MAX 376  
MAX 316MIN 3.8  
MIN 3.2CFSM .25  
CFSM .20IN 3.33  
IN 2.65

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	85	13	15	10	16	269	26	8.2	67	142	28	28
2	74	13	15	10	15	263	25	7.9	57	123	30	25
3	68	12	14	9.6	16	382	24	10	50	108	38	24
4	59	12	13	9.9	24	348	24	20	46	95	42	26
5	54	12	13	9.9	31	270	23	21	42	85	40	24
6	50	11	13	11	30	208	18	11	42	76	40	22
7	46	11	12	14	28	169	16	7.3	96	68	35	21
8	42	14	12	13	25	142	16	7.1	80	62	30	22
9	38	17	13	13	24	129	15	6.5	70	56	27	20
10	36	42	12	20	23	168	14	6.2	65	53	25	18
11	33	35	12	24	22	149	14	6.2	59	52	23	17
12	30	32	12	22	327	120	13	8.2	56	50	24	16
13	27	34	13	19	423	100	14	11	55	62	26	16
14	25	33	13	18	306	87	14	7.6	94	62	29	14
15	24	30	13	18	208	80	12	7.1	76	56	27	14
16	22	27	13	17	160	75	12	6.8	65	50	46	14
17	20	26	13	16	180	69	12	6.5	61	50	56	14
18	19	24	13	16	158	64	11	6.2	56	52	62	14
19	18	22	14	15	158	59	9.6	6.0	53	51	68	31
20	17	23	14	15	171	55	10	5.8	49	46	70	36
21	16	22	15	16	140	51	11	5.8	46	42	74	39
22	16	22	15	17	144	46	8.5	6.2	46	40	76	38
23	18	21	12	17	124	42	8.5	8.5	48	53	78	37
24	17	19	10	17	112	41	8.2	19	158	58	71	37
25	16	18	9.9	17	101	37	7.3	32	179	53	64	41
26	15	17	9.6	17	177	36	7.9	43	158	47	57	40
27	15	16	9.6	18	392	35	7.9	39	160	51	51	40
28	14	16	10	17	345	33	6.3	89	196	46	38	46
29	13	16	10	16	-----	31	7.9	72	192	39	41	35
30	13	16	11	16	-----	30	7.1	78	167	35	36	33
31	12	-----	11	16	-----	28	-----	77	-----	31	32	-----
TOTAL	952	646	385.1	484.4	3,880	3,616	404.2	646.1	2,589	1,894	1,392	794
MEAN	30.7	21.5	12.4	15.6	139	117	13.5	20.8	86.3	61.1	44.9	26.5
MAX	85	42	15	24	423	392	26	89	196	142	78	41
MIN	12	11	9.6	9.6	15	28	6.5	5.8	42	31	23	14
CFSM	.19	.13	.08	.10	.87	.73	.08	.13	.54	.38	.28	.17
IN	.22	.15	.09	.11	.90	.84	.09	.15	.60	.44	.32	.18

CAL YR 1962 TOTAL 12,651.5  
WAT YR 1963 TOTAL 17,682.8MEAN 44.7  
MEAN 48.4MAX 316  
MAX 423MIN 3.2  
MIN 5.8CFSM .22  
CFSM .30IN 2.94  
IN 4.11

2-2939 86 Peace Creek drainage canal near Alturas, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	27	5.1	25	40	68	83	71	33	7.3	5.5	5.8	12
2	25	5.4	23	38	62	75	62	158	6.4	6.0	5.5	51
3	26	7.6	22	36	60	72	56	174	6.7	6.8	5.5	87
4	22	13	22	38	110	66	52	146	11	7.6	5.0	125
5	20	12	23	37	243	62	48	99	20	7.4	4.9	185
6	19	10	24	34	324	56	45	73	22	6.7	4.8	147
7	18	15	23	51	326	53	47	60	21	6.1	5.0	107
8	17	15	22	77	432	50	52	20	20	5.6	5.8	74
9	16	12	21	71	130	48	46	46	18	5.0	8.0	60
10	14	77	19	64	292	45	31	42	17	4.4	7.2	82
11	14	142	19	60	251	44	29	33	22	4.3	6.6	107
12	13	131	18	146	212	46	26	32	20	4.6	6.6	97
13	13	113	19	178	176	48	24	29	17	4.0	6.8	103
14	12	104	20	208	151	41	23	27	15	3.7	7.4	102
15	12	63	20	175	132	37	21	24	13	3.4	7.3	102
16	12	76	18	151	121	34	20	25	11	3.7	7.0	105
17	12	66	16	140	108	31	18	31	8.6	4.2	6.8	112
18	11	54	24	137	111	42	16	32	7.6	4.4	6.6	111
19	9.6	48	23	127	178	39	15	28	7.3	4.3	6.4	158
20	8.9	44	22	116	167	37	14	18	6.7	3.7	6.4	116
21	8.6	40	22	122	138	37	13	14	4.8	3.6	5.8	70
22	8.0	36	21	116	120	36	12	13	4.4	4.0	5.9	66
23	7.3	34	23	108	117	33	11	18	4.8	5.8	8.9	66
24	7.0	31	38	107	101	30	13	13	7.0	6.8	9.9	47
25	7.3	29	41	99	89	29	12	10	5.4	6.7	12	46
26	10	27	40	99	81	26	14	9.6	4.8	8.0	9.7	44
27	9.3	26	38	92	71	29	29	8.9	4.4	12	41	41
28	8.6	25	36	94	84	52	42	4.9	4.4	7.8	27	37
29	7.6	27	34	92	94	132	42	4.3	3.8	7.4	24	34
30	6.4	26	32	81	-----	110	40	8.0	4.4	6.8	20	37
31	5.4	-----	37	74	-----	84	-----	8.6	-----	6.4	14	-----
TOTAL	405.0	1,340.1	789	3,059	4,659	1,616	911	1,302.3	325.8	173.0	276.6	2,326
MEAN	13.1	44.9	25.5	98.7	161	52.1	30.4	42.0	10.9	5.58	8.92	84.2
MAX	27	142	41	229	332	132	71	174	22	8.5	27	185
MIN	5.4	5.1	18	34	60	28	11	4.0	3.8	3.4	4.8	12
CFSM	.08	.28	.16	.62	1.03	.33	.19	.76	.07	.03	.06	.53
IN.	.09	.31	.16	.71	1.08	.38	.21	.30	.08	.06	.06	.59
CAL YR 1963	TOTAL	18,240.4	MEAN	50.0	MAX	423	MIN	5.1	CFSM	.31	IN	4.24
WAT YR 1964	TOTAL	17,389.4	MEAN	47.5	MAX	332	MIN	3.4	CFSM	.30	IN	4.04

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	29	8.9	11	8.7	12	28	28	8.9	2.7	28	51	41
2	28	8.4	12	8.4	15	24	25	9.0	2.1	28	46	43
3	28	4.6	12	15.4	15	32	24	2.0	4.0	44	47	41
4	26	8.0	11	6.7	12	38	22	6.8	2.3	41	40	40
5	24	9.0	21	9.3	15	41	21	6.6	2.2	33	42	36
6	24	8.5	34	9.9	15	40	20	6.1	1.8	32	38	32
7	23	33	33	19	19	43	19	6.7	2.4	68	31	30
8	23	8.9	31	10	22	33	19	7.3	4.6	74	26	30
9	23	9.1	28	11	21	29	16	6.1	12	84	43	35
10	22	9.3	24	11	21	25	18	5.4	20	89	212	33
11	20	9.3	22	11	20	25	16	4.6	23	110	334	31
12	20	9.5	21	11	18	21	14	4.3	25	197	306	29
13	20	9.5	19	11	18	21	13	4.8	27	176	236	27
14	20	9.5	18	11	17	22	12	4.7	22	112	171	24
15	19	9.7	17	14	16	22	9.7	4.6	17	64	146	23
16	18	9.9	16	15	16	21	8.6	4.8	21	57	163	24
17	16	9.1	16	16	16	21	9.0	4.3	19	99	136	32
18	16	3.2	16	19	16	20	9.2	3.6	29	95	149	41
19	15	8.0	15	18	16	19	8.1	3.9	32	76	132	34
20	14	8.5	15	16	16	18	7.4	4.0	28	76	120	29
21	13	8.4	14	15	16	18	7.3	3.4	24	144	108	27
22	12	8.2	14	15	16	18	8.4	2.3	24	109	94	23
23	12	7.4	14	14	20	17	11	2.7	45	67	80	27
24	11	7.6	14	14	34	17	13	2.8	58	42	71	25
25	11	6.4	14	14	41	17	15	2.6	68	31	64	32
26	10	8.2	14	13	42	17	14	2.0	62	26	58	28
27	10	6.0	14	12	40	17	11	2.2	53	25	52	28
28	9.3	7.0	13	11	34	19	10	2.6	45	20	48	34
29	9.1	10	11	6.4	-----	27	9.0	1.6	39	19	53	44
30	9.3	-----	9.5	7.9	-----	30	9.2	2.7	33	23	47	48
31	8.9	-----	8.9	12	-----	33	-----	3.4	-----	29	43	-----
TOTAL	543.6	255.6	332.4	375.7	582	766	432.9	143.0	746.0	2,118	3,181	972
MEAN	17.5	8.52	17.2	12.1	20.8	24.7	14.4	4.61	24.9	68.3	103	32.4
MAX	29	11	34	19	42	41	28	9.0	68	197	334	48
MIN	8.9	6.0	8.9	7.9	12	17	7.3	1.9	1.8	19	26	22
CFSM	.11	.05	.11	.08	.13	.15	.09	.03	.16	.43	.64	.20
IN.	.13	.06	.12	.09	.14	.18	.10	.03	.17	.49	.74	.23
CAL YR 1964	TOTAL	16,140.3	MEAN	44.2	MAX	332	MIN	3.4	CFSM	.28	IN	3.76
WAT YR 1965	TOTAL	10,648.2	MEAN	29.2	MAX	334	MIN	1.8	CFSM	.18	IN	2.48

## 2-2940 68 (revised) Lake Lulu Outlet at Eloise, FIA

Location --Lat 27°59'03", long 81°43'47", in SE $\frac{1}{4}$  sec 5, T 29 S, R 26 E, on left downstream abutment of culvert on State Highway 540A at intersection with old Rifle Range Road, 2,200 ft downstream from concrete control at outlet of Lake Lulu and 0.9 mile southeast of Eloise, Polk County

Drainage area --23 sq mi (revised), approximately

Records available --February 1946 to September 1965 Prior to October 1955, published as Lulu Lake Outlet at Eloise

Gage --Digital water-stage recorder Datum of gage is 120.00 ft above mean sea level, datum of 1929 Prior to Jan 8, 1953, graphic water-stage recorder, at site 1,500 ft upstream and Jan 8, 1953, to Apr 26, 1965, at present site, at same datum

Average discharge --19 years, 10.9 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	June 25, 1961	a 97	b 8.48	Aug 7, 1961	c 0.50	e 08
1962	July 11, 1962	20	6.24	Oct 5, July 15, 1962	c 60	d 5.15
1963	Feb 12, 1963	21	e 6.27	Several days	0	f 5.10
1964	Nov 10, 1963	48	7.13	do	0	g 5.14
1965	June 22, 1965	58	7.55	June 16, July 28, 1965	0	h 5.19

a Maximum independent peak discharge, maximum discharge during year, 130 cfs Oct 1, 1960, occurred on recession following peak of Sept 27, 1960 b Occurred Oct 1, 1960 c Minimum daily d Occurred Oct 5, 1961 e Occurred July 13, 1963 f Occurred June 23, 1963 g Occurred Sept 8, 9, 1964 h Occurred June 16, 17, 1965

1946-65 Maximum discharge, 218 cfs June 21, 1959, maximum gage height, 11.18 ft, at former site, Aug 25, 1948 (from floodmarks), no flow for several days in 1951, 1956, 1963, 1965, minimum gage height, 5.08 ft Aug 7, 1961

Remarks --Records poor Records include small amount of waste water diverted from ground-water supplies by Polk Packing Co during packing season Some regulation by Lake Lulu Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	127	4.8	4.1	4.0	6.0	14	4.2	3.4	5.2	7.9	1.7	19
2	114	4.0	4.2	5.0	6.3	17	2.6	4.8	5.4	6.5	2.0	17
3	101	3.7	4.4	5.0	6.5	20	7.5	3.8	5.0	6.7	2.2	17
4	88	3.4	3.8	5.1	5.8	19	10	3.6	4.8	7.1	1.2	17
5	65	3.3	4.0	5.4	4.0	17	11	3.3	4.7	6.5	1.0	27
6	72	3.0	4.7	5.6	5.1	16	11	2.8	5.0	7.3	.70	38
7	69	3.7	5.2	5.2	24	8.1	12	2.6	5.1	7.1	.50	32
8	73	3.4	5.2	4.8	11	5.1	5.1	3.0	6.3	6.3	2.8	29
9	67	3.6	5.4	5.8	6.5	4.4	4.0	5.3	8.1	5.2	4.2	27
10	44	3.8	5.0	5.4	6.3	4.2	4.0	5.6	5.8	4.2	2.3	24
11	48	3.8	4.0	5.0	6.5	3.6	4.0	4.7	6.0	3.8	1.3	21
12	61	3.8	4.7	5.8	5.4	2.7	4.2	4.4	7.1	4.5	1.2	19
13	59	3.6	4.8	7.3	6.0	4.8	4.2	4.2	6.9	6.2	1.0	17
14	50	3.8	5.8	6.5	6.2	6.3	3.6	4.0	6.3	4.8	1.2	15
15	50	4.2	6.2	4.1	6.2	6.9	3.3	4.4	5.4	4.2	1.4	15
16	39	4.5	5.0	5.0	6.2	5.6	2.8	5.6	4.8	3.8	2.2	13
17	28	4.0	4.4	5.2	6.5	5.6	3.4	4.2	3.8	3.4	4.9	8.9
18	41	4.2	3.7	5.6	6.5	4.7	4.2	4.5	2.2	3.3	4.1	7.9
19	36	4.0	5.4	6.2	3.2	3.7	4.1	4.5	3.4	3.8	5.0	6.5
20	33	3.4	5.1	6.0	6.2	4.5	4.4	5.1	4.2	4.0	5.2	5.6
21	21	3.8	6.0	5.4	7.1	5.8	4.2	4.8	4.5	3.8	5.0	4.0
22	12	4.2	5.6	4.2	7.5	11	3.4	4.7	5.0	4.4	6.2	2.3
23	9.6	4.7	5.6	5.6	7.5	20	2.6	5.1	3.3	4.5	8.1	1.9
24	6.7	4.1	4.1	6.0	6.5	20	3.1	5.2	2.6	4.0	7.3	1.4
25	1.2	4.1	2.3	6.0	6.5	18	3.3	5.4	29	3.6	6.2	1.2
26	24	4.4	2.0	6.0	4.7	14	3.4	7.7	20	1.7	6.2	1.0
27	14	3.8	3.0	5.6	4.8	16	3.6	5.8	10	1.4	5.6	1.3
28	3.6	4.1	5.2	6.0	7.7	16	4.1	4.0	6.2	1.3	6.0	1.0
29	2.7	4.2	5.4	5.8	-----	16	2.7	4.7	7.9	1.0	12	.90
30	2.4	4.2	5.4	5.8	-----	10	2.0	5.0	9.6	1.2	18	.70
31	5.5	-----	5.4	5.8	-----	7.3	-----	5.2	-----	.90	17	-----
TOTAL	1,380.5	117.6	145.1	170.8	194.7	327.3	142.0	141.4	203.6	134.40	143.70	391.60
MEAN	44.5	3.92	4.68	5.51	6.95	10.6	4.73	4.56	6.79	4.34	4.64	13.1
MAX	127	4.8	6.2	7.3	24	20	12	7.7	29	7.9	18	38
MIN	2.4	1.0	2.0	4.0	4.0	2.7	2.0	2.6	2.2	.90	.50	.70
CAL YR 1960	TOTAL	12,400.4	MEAN	34.9	MAX	212	MIN	2.0				
WAT YR 1961	TOTAL	3,492.70	MEAN	9.57	MAX	127	MIN	.50				

## 2-2940 68 Lake Lulu Outlet at Eloise, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2	.70	2.2	4.8	5.0	4.1	4.2	3.4	3.7	4.0	4.0	2.3	4.1
3	.70	3.0	4.2	4.2	4.0	4.4	3.4	4.2	4.0	4.0	3.3	2.7
4	.90	2.7	3.0	4.7	4.1	4.2	3.3	4.1	4.0	4.0	4.1	2.3
5	.70	2.4	4.2	4.4	3.7	3.7	3.3	4.2	3.4	2.6	3.8	4.0
6	.60	1.6	4.7	4.8	3.4	3.6	3.3	4.1	3.8	4.0	3.7	3.6
7	.70	2.3	5.0	5.0	3.4	3.6	3.3	4.2	3.6	4.8	3.4	3.7
8	.70	3.1	5.0	4.4	4.1	3.8	3.1	4.2	3.8	3.8	3.8	2.6
9	.70	3.1	5.2	4.1	4.0	4.1	3.1	4.0	4.0	4.2	3.7	2.3
10	.70	2.7	5.1	4.4	4.5	4.5	3.1	4.0	4.0	5.2	4.1	2.4
11		3.0	4.7	4.4	4.1	4.5	3.1	4.2	4.2	4.8	4.8	2.4
12	1.0	2.4	4.5	4.4	3.1	3.7	3.3	4.4	3.6	6.7	6.3	2.4
13	1.3	3.3	5.0	4.8	3.6	4.2	2.8	4.0	3.8	4.5	7.0	2.3
14	2.3	3.0	5.0	4.1	4.2	4.4	2.8	3.6	3.3	3.1	6.1	2.4
15	3.4	3.4	5.1	2.7	4.1	3.8	2.7	3.8	3.7	.90	4.8	2.7
16	2.4	4.0	5.6	4.1	4.2	4.8	2.4	4.0	4.1	.60	5.0	2.3
17	1.7	3.6	5.2	4.5	4.4	5.6	3.6	4.2	5.4	2.4	5.1	2.2
18	1.3	4.0	5.0	4.4	4.1	4.2	3.8	4.4	4.4	3.1	5.9	2.4
19	1.4	3.8	5.0	4.4	3.6	2.8	3.7	4.1	3.6	3.1	6.3	2.4
20	1.7	2.6	5.9	5.0	3.1	3.8	2.8	4.1	3.6	2.8	6.4	3.0
21	2.0	3.8	5.1	5.0	3.6	4.4	3.0	4.0	4.0	3.8	6.8	4.4
22	2.3	4.0	6.3	4.7	4.0	4.2	3.0	4.4	4.5	3.4	6.8	7.0
23	1.6	4.2	6.1	4.7	4.1	4.5	3.0	4.5	4.7	4.0	7.0	4.0
24	1.9	4.4	5.9	4.7	4.2	5.1	3.6	4.4	3.6	3.4	7.7	3.1
25	2.6	4.7	3.7	4.7	4.2	4.4	4.0	4.8	3.1	3.3	6.6	3.1
26	3.1	4.4	3.3	4.8	3.7	3.6	4.0	4.7	2.8	3.3	5.6	2.7
27	3.1	3.0	3.8	4.8	3.4	4.0	4.0	4.7	4.0	2.6	5.4	2.7
28	3.1	4.4	4.1	4.7	4.0	3.8	3.8	3.0	3.7	1.2	5.5	2.3
29	3.3	4.2	4.8	3.8	4.0	3.8	3.6	5.0	3.8	1.2	4.8	2.0
30	1.0	4.8	4.4	3.8	-----	3.7	3.0	4.4	3.7	3.6	4.0	1.6
31	3.0	4.5	4.4	4.1	-----	3.7	3.6	4.5	3.7	3.6	3.3	1.7
32	2.5	-----	4.2	4.0	-----	3.7	-----	4.7	-----	2.7	4.2	-----
TOTAL	52.90	102.6	148.3	137.6	109.0	126.8	98.9	130.6	115.9	104.70	157.1	86.8
MEAN	1.71	3.42	4.78	4.44	3.89	4.09	3.30	4.21	3.86	3.38	5.07	2.89
MAX	3.4	4.8	6.3	5.0	4.5	5.6	4.0	5.0	5.4	6.7	7.2	7.0
MIN	.60	1.6	3.0	2.7	3.1	2.8	2.4	3.0	2.8	.60	2.3	1.6
CAL YR 1961	TOTAL 2,153.30			MEAN 5.90			MAX 38			MIN .50		
WAT YR 1962	TOTAL 1,371.20			MEAN 3.76			MAX 7.2			MIN .60		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.2	3.3	3.0	4.8	5.2	5.8	2.7	3.3	2.2	0	0	0
2	2.6	3.7	2.2	5.1	5.1	9.1	2.8	3.0	.70	0	0	0
3	2.3	2.7	3.4	5.0	5.1	7.0	2.3	3.3	.90	0	0	.50
4	2.0	2.3	4.0	5.0	4.7	4.5	2.6	1.6	1.2	0	0	0
5	2.0	3.3	4.4	4.8	4.2	5.1	2.7	1.3	1.6	0	0	0
6	1.4	3.3	4.1	5.1	4.0	5.2	2.4	2.0	2.4	0	0	0
7	1.3	3.8	3.8	5.2	4.0	5.0	1.4	2.4	2.2	0	.50	0
8	1.0	4.4	3.8	5.1	5.1	4.8	1.9	3.0	2.2	0	0	.10
9	1.0	5.4	3.6	5.0	4.8	5.4	1.9	2.7	1.9	0	.20	.60
10	1.3	3.6	3.8	5.0	4.7	4.5	2.3	3.0	1.7	.30	.10	.70
11	1.7	2.7	4.7	5.1	5.0	5.1	2.3	2.8	1.2	.20	0	1.2
12	1.4	3.8	4.8	5.1	14	5.2	2.2	3.1	.90	1.3	.20	1.7
13	1.0	1.7	4.1	5.1	6.1	5.0	2.0	3.0	.70	3.1	.30	1.2
14	.90	3.4	4.0	5.4	5.2	5.0	1.4	3.1	1.2	.30	.70	1.0
15	.70	3.7	4.5	5.4	5.0	5.0	2.3	3.1	1.4	0	1.6	.90
16	.70	3.7	4.7	3.6	5.2	4.5	2.2	3.1	2.0	1.2	1.3	1.4
17	.70	3.3	4.7	4.5	4.4	3.6	3.0	2.7	1.9	.60	.50	3.3
18	2.2	2.6	4.7	5.0	5.0	3.7	2.4	2.4	1.7	.30	.60	5.2
19	2.2	3.3	5.0	4.8	6.4	4.4	2.8	3.0	1.7	0	.60	7.0
20	1.7	3.3	4.8	4.8	4.8	3.8	3.1	1.3	1.9	0	.60	4.7
21	1.7	3.7	5.1	5.2	5.5	3.3	2.7	2.7	1.6	0	1.0	3.8
22	3.7	2.6	5.1	4.7	5.4	3.3	2.6	2.3	1.2	0	1.6	3.7
23	3.1	3.1	4.8	4.7	3.7	3.3	2.8	1.2	.50	1.4	.60	4.0
24	2.8	2.8	4.8	4.5	3.7	2.8	2.4	2.4	1.4	1.9	.70	4.4
25	2.6	2.3	4.5	4.4	4.4	2.8	2.4	3.3	.60	.90	.20	4.5
26	2.7	3.0	2.7	4.8	12	3.1	2.7	2.8	1.0	0	0	5.2
27	2.0	3.6	4.4	3.8	6.6	3.0	2.7	1.0	.30	0	0	5.1
28	1.9	4.1	4.5	3.0	5.4	2.7	1.0	1.3	.50	0	0	4.7
29	2.7	4.2	5.6	4.7	-----	2.6	2.4	2.6	.20	0	0	4.1
30	3.3	3.7	4.8	5.1	-----	2.7	3.0	2.3	.10	0	0	4.4
31	3.1	-----	4.2	5.0	-----	2.4	-----	2.0	-----	0	0	-----
TOTAL	59.90	102.4	132.6	148.8	154.7	133.7	71.8	77.1	39.00	11.50	11.30	73.40
MEAN	1.93	3.41	4.28	4.80	5.53	4.31	2.39	2.49	1.30	.37	.36	2.45
MAX	3.7	5.4	5.6	5.4	14	9.1	3.1	3.3	2.4	3.1	1.6	7.0
MIN	.70	2.3	2.2	3.0	3.7	2.4	1.0	1.0	.10	0	0	0
CAL YR 1962	TOTAL 1,362.30			MEAN 3.73			MAX 7.2			MIN .60		
WAT YR 1963	TOTAL 1,016.20			MEAN 2.78			MAX 14			MIN 0		



## 2-2940 68 Lake Lulu Outlet at Eloise, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.0	2.2	1.9	2.6	0.6	5.0	4.1	7.7	1.2	.80	0	.70
2	3.4	2.2	3.0	3.8	5.6	5.6	4.7	7.0	.30	1.3	.10	1.6
3	3.0	2.2	3.6	4.5	6.4	6.1	4.4	3.0	2.4	.90	.30	2.7
4	3.3	2.0	4.0	5.1	12	2.4	4.1	2.4	2.2	.60	.60	3.7
5	3.3	2.6	4.0	4.8	12	6.3	3.1	2.4	2.7	.60	.30	1.3
6	3.1	3.4	3.7	4.1	12	7.8	3.3	2.3	1.6	.70	.50	6.0
7	3.1	2.4	3.0	6.3	8.9	5.0	3.7	2.0	1.3	2.0	1.0	.50
8	3.3	3.0	2.6	5.2	11	4.8	3.4	3.0	.60	0	.70	.30
9	3.3	3.1	3.7	5.5	7.2	5.8	3.7	2.4	.10	0	.60	.70
10	3.3	32	4.1	5.0	6.8	6.1	3.7	1.6	2.6	0	.60	9.8
11	3.3	11	4.5	5.1	6.6	5.8	2.7	1.4	2.4	0	1.9	5.0
12	3.3	5.1	4.4	19	7.0	5.6	2.4	1.7	2.3	0	2.4	2.4
13	2.3	3.6	4.4	11	7.2	5.8	3.0	2.0	2.3	.20	1.0	8.4
14	3.3	2.8	4.0	7.5	7.5	5.9	3.4	2.2	2.3	.50	2.3	6.8
15	3.3	3.0	3.0	6.4	7.3	4.5	3.3	1.6	2.2	.50	4.3	16
16	2.4	2.7	3.6	6.4	6.3	4.7	2.8	2.0	2.0	.60	9.6	10
17	2.0	2.2	4.0	6.8	6.1	5.9	3.3	1.7	1.7	1.7	5.6	6.6
18	2.6	2.6	4.5	6.4	6.9	4.4	2.7	2.6	1.7	1.0	6.1	5.5
19	3.0	2.6	4.4	5.8	8.4	4.1	2.6	3.0	1.4	.60	5.0	5.1
20	1.0	2.8	4.4	13	6.0	4.7	3.0	3.3	1.2	.70	3.8	4.8
21	2.2	3.1	4.1	9.5	6.6	4.8	4.4	3.0	.90	1.0	3.6	4.7
22	1.9	3.1	2.7	8.0	6.3	3.3	4.2	2.8	.60	1.4	3.1	4.4
23	2.6	2.6	4.8	7.0	6.3	4.0	3.7	2.8	.10	2.3	2.6	4.1
24	2.2	1.9	4.0	7.0	6.3	4.5	4.0	1.0	0	1.9	2.0	4.0
25	2.8	2.0	2.4	6.8	6.6	4.4	3.4	1.6	.20	.90	1.3	3.6
26	2.3	3.1	3.3	5.6	6.3	4.4	3.0	2.2	.50	1.0	.90	3.6
27	1.4	3.3	4.2	6.1	6.8	4.7	2.7	1.0	.70	.50	1.6	3.6
28	2.4	3.7	3.7	7.6	7.2	6.4	2.4	2.7	1.3	0	2.0	3.4
29	2.0	3.8	2.7	6.0	5.5	5.5	2.6	2.2	1.0	0	1.0	3.4
30	2.6	3.1	3.3	6.4	-----	3.7	2.6	1.4	.70	0	1.0	3.6
31	2.3	-----	3.8	6.6	-----	3.6	-----	1.2	-----	0	1.0	-----
TOTAL	95.2	144.4	115.0	211.5	219.6	157.4	101.2	79.8	40.40	21.70	66.80	130.90
MEAN	2.76	4.15	3.71	6.82	7.57	5.08	3.37	2.57	1.35	.70	2.15	4.36
MAX	4.0	32	4.8	19	12	6.4	4.7	7.7	2.7	2.3	9.6	16
MIN	1.4	1.9	1.4	2.6	5.5	3.3	2.6	1.0	0	0	0	.30
CAL YR 1963	TOTAL 1,040.20	MEAN 2.87	MAX 32	MIN 0								
WAT YR 1964	TOTAL 1,354.20	MEAN 3.70	MAX 32	MIN 0								

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3.6	2.6	5.0	4.7	6.4	5.4	4.0	2.4	1.6	.30	2.6	8.9
2	3.4	3.0	5.0	4.5	6.4	5.8	4.0	2.7	1.0	1.0	3.0	19
3	3.1	3.1	5.0	4.1	5.8	5.4	4.0	2.7	1.2	.60	2.8	20
4	3.1	3.4	5.2	4.2	5.6	5.8	3.4	3.0	2.6	.30	3.0	7.5
5	2.8	3.6	12	4.5	6.3	5.8	3.8	2.6	3.0	.30	2.7	6.8
6	2.4	3.6	7.6	5.0	7.2	5.2	3.8	2.7	2.3	1.3	2.6	6.8
7	2.4	3.8	5.5	5.2	7.8	4.2	3.4	2.4	1.9	1.9	1.9	6.4
8	2.6	4.0	5.6	5.1	6.4	4.7	3.6	2.7	2.0	2.4	1.7	7.5
9	2.6	3.7	5.5	5.4	6.8	5.4	3.7	1.6	1.9	2.8	2.2	8.4
10	2.4	4.2	5.4	4.8	6.6	4.5	3.8	1.3	2.2	1.4	1.2	7.6
11	2.4	4.4	5.4	4.5	6.6	4.5	3.3	1.7	3.4	1.4	21	7.6
12	2.7	5.0	5.8	4.2	6.6	4.5	3.1	1.9	5.4	2.4	11	8.2
13	3.1	4.4	4.7	5.6	6.4	4.0	2.7	1.6	1.3	2.3	17	8.2
14	3.6	4.0	4.8	5.9	6.3	3.4	2.6	1.6	.50	1.4	13	8.2
15	4.1	3.8	5.1	7.5	5.6	4.0	4.1	1.9	.50	.70	7.5	8.2
16	4.2	4.1	5.1	7.0	6.1	4.5	5.5	1.4	0	.90	7.5	8.2
17	3.1	4.0	5.4	5.8	5.9	4.5	4.5	1.2	1.7	.60	10	12
18	1.9	4.5	5.4	5.2	5.9	4.7	3.7	1.2	2.8	2.0	17	12
19	2.7	4.5	5.1	5.1	5.9	4.2	4.8	1.0	2.0	3.4	23	10
20	3.1	4.5	4.5	6.4	6.3	3.6	5.8	.70	.50	7.0	25	9.9
21	3.1	4.5	4.4	6.8	5.9	1.3	5.2	1.0	.20	11	34	9.9
22	3.6	2.8	5.5	6.8	5.1	3.6	3.6	.20	14	2.8	32	9.7
23	3.1	4.4	5.4	6.6	7.9	4.2	4.5	.10	26	2.0	30	9.9
24	3.3	4.7	3.6	5.9	7.8	4.0	4.7	.50	5.9	1.2	28	10
25	2.0	5.4	2.6	5.2	6.6	4.1	4.2	.60	2.0	.70	26	11
26	3.4	3.4	2.2	5.5	5.6	4.0	5.4	.50	1.0	.60	24	11
27	3.3	2.7	2.0	6.1	5.0	3.6	4.1	.50	1.2	.30	16	12
28	3.1	11	2.6	6.6	4.7	4.0	4.0	.50	.60	0	7.6	21
29	3.6	13	3.6	6.1	-----	5.2	3.3	.10	.30	0	7.5	39
30	3.8	5.0	4.2	6.8	-----	4.2	4.0	.20	.60	.20	7.2	40
31	3.0	-----	4.8	7.2	-----	4.2	-----	2.0	-----	2.6	7.5	-----
TOTAL	95.2	135.7	154.7	174.3	175.6	139.2	120.6	44.00	89.60	56.10	406.3	360.9
MEAN	3.07	4.52	4.99	5.62	6.27	4.49	4.02	1.42	2.99	1.81	13.1	12.0
MAX	4.2	13	12	7.5	7.8	5.8	5.6	3.0	26	11	34	40
MIN	1.9	2.6	2.0	4.1	4.7	3.3	2.6	.10	0	0	1.7	6.4
CAL YR 1964	TOTAL 1,414.90	MEAN 3.87	MAX 19	MIN 0								
WAT YR 1965	TOTAL 1,952.20	MEAN 5.35	MAX 40	MIN 0								

2-2944 91 Saddle Creek at structure P-11, near Bartow, Fla --Continued

Location --Lat 27°56'17", long 81°51'05", in SW 1/4 sec 19, T 29 S, R 15 E, near right bank 65 ft downstream from structure P-11, 0.7 mile south of Lake Hancock, and 3.0 miles north of post office in Bartow, Polk County

Drainage area --135 sq mi

Records available --November 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 94.08 ft above mean sea level, datum of 1929 (South-west Florida Water Management District reference mark), staff gage at datum 0.08 ft above mean sea level prior to June 9, 1965

Extremes --1963-64 Maximum daily discharge during period November to September, 442 cfs Sept 17, maximum gage height, 5.00 ft Sept 17 (wind affected), minimum daily discharge, 0.20 cfs Dec 15, minimum gage height, 0.80 ft Dec 16

1964-65 Maximum daily discharge during water year, 516 cfs Aug 13, 14, maximum gage height, 5.66 ft Aug 11 (wind affected), no flow for many days, minimum gage height, 0.82 ft July 1

Remarks --Records good Flow regulated by structure P-11 Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, NOVEMBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		-	.60	62	278	254	97	64	50	29	42	54
2		-	.30	62	276	243	148	52	31	30	42	143
3		-	.30	62	270	239	148	48	26	32	40	210
4		-	.30	62	278	234	148	96	55	31	40	225
5		-	.30	44	288	228	145	134	56	31	40	234
6		-	.30		297	231	143	134	56	33	40	242
7		-	.30	106	304	222	142	133	57	33	40	247
8		-	.30	165	324	213	139	132	56	32	41	302
9		-	.30	160	330	202	140	130	55	30	41	333
10		-	.30	163	332	197	162	129	54	30	42	330
11		-	.30	160	315	195	176	127	54	28	47	335
12		-	.30	216	337	193	171	124	53	27	42	348
13		-	.30	283	332	185	164	122	52	27	42	388
14		-	.30	307	326	176	161	121	51	30	42	412
15		-	.20	319	317	165	159	143	48	30	43	428
16		-	.48	326	314	171	153	152	47	31	44	440
17		-	.204	337	309	171	149	146	46	32	45	442
18		-	.245	348	294	167	141	142	45	34	46	438
19		-	.226	346	309	160	136	140	44	34	46	434
20		-	.215	350	307	47	131	137	44	34	46	424
21		-	.210	364	302	5.5	126	132	43	34	48	412
22		-	.203	354	304	4.2	121	129	41	35	49	394
23		-	.98	341	291	3.3	116	121	40	37	50	376
24		-	.64	332	286	3.3	94	118	39	38	48	362
25		-	.64	323	268	3.0	83	114	39	39	48	348
26	263	63	326	274	2.4	83	110	36	41	48	333	
27	248	63	314	270	2.4	83	96	30	42	124	319	
28	233	63	314	263	2.7	86	81	40	42	207	305	
29	225	63	312	265	2.4	84	80	35	43	207	291	
30	75	63	297	44	44	84	78	42	42	209	277	
31		64	286	66	66	84	76	42	42	114		
TOTAL			1,960.90	7,441.30	8,678	4,032.2	3,913	3,541	1,350	1,053	1,998	9,826
MEAN			63.3	240	299	130	130	114	45.0	34.0	64.5	328
MAX			245	364	337	254	176	152	57	43	209	442
MIN			.20	30	263	2.4	83	48	26	27	40	54

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	265	129	44	46	49	118	94	0	0	0	.10	273
2	254	105	43	46	50	133	91	0	0	0	.10	260
3	248	66	42	46	50	171	87	0	0	0	0	252
4	247	66	42	47	49	166	83	0	0	0	.10	244
5	238	68	46	46	50	158	82	0	0	0	.20	236
6	242	70	46	45	48	156	77	9.5	0	0	0	239
7	238	62	48	46	47	151	77	29	0	0	.20	240
8	226	62	49	46	47	150	74	28	0	0	.80	243
9	221	62	49	46	46	146	71	28	0	0	30	214
10	216	62	49	45	46	112	70	28	0	0	300	212
11	212	62	48	46	48	94	67	27	0	0	481	208
12	206	60	46	46	46	89	63	27	0	0	510	202
13	200	60	46	46	47	92	63	26	0	0	516	195
14	196	61	46	46	46	93	66	26	0	0	516	188
15	186	61	48	46	49	92	56	26	0	0	506	182
16	181	60	46	46	48	92	50	25	0	0	496	173
17	177	59	46	47	47	87	56	24	0	0	479	102
18	175	58	46	47	48	85	52	23	0	0	462	1.6
19	170	56	46	47	47	86	47	23	0	0	447	0
20	170	54	45	47	47	87	30	22	0	0	439	0
21	162	59	45	47	47	92	1.4	22	0	0	426	0
22	155	60	45	47	46	87	.80	22	0	0	408	0
23	152	66	46	47	46	85	.40	22	0	0	392	0
24	150	55	45	46	46	84	40	22	0	0	376	0
25	146	66	45	46	46	84	.60	20	0	0	355	0
26	142	94	45	46	46	82	.60	19	0	0	336	0
27	140	66	45	47	47	83	.20	18	0	0	322	0
28	93	46	46	48	120	82	0	5.7	0	0	311	0
29	4.5	43	46	48	-----	80	0	0	0	0	303	0
30	51	43	46	46	-----	78	0	.10	0	.10	291	0
31	136	-----	46	49	-----	88	-----	0	-----	.20	283	-----
TOTAL	5,599.5	1,931	1,421	1,439	1,792	3,283	1,360.40	522.30	0	0.30	8,986.50	3,664.6
MEAN	181	64.4	45.8	46.4	64.0	106	45.3	16.8	0	.010	290	122
MAX	265	129	49	49	121	171	94	29	0	.20	516	273
MIN	4.5	43	42	45	46	78	0	0	0	0	0	0
CAL YR 1964	TOTAL 50,784.00	MEAN 139	MAX 442	MIN .30								
MAY YR 1965	TOTAL 29,999.60	MEAN 82.2	MAX 516	MIN 0								

## 2-2946 50 (revised) Peace River at Bartow, Fla

Location --Lat 27°54'07", long 81°49'03", in NE 1/4 sec 4, T 30 S, R 25 E, near center of span on downstream side of bridge on State Highway 60, 500 ft downstream from McKinney Branch and 0.6 mile east of Bartow, Polk County

Drainage area --390 sq mi

Records available --October 1939 to September 1965. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1950, published as Peace Creek at Bartow

Gage --Digital water-stage recorder. Datum of gage is 90.56 ft above mean sea level, datum of 1929. Prior to July 12, 1940, staff gage and July 12, 1940, to Nov 5, 1948, graphic water-stage recorder, at site 200 ft downstream at present datum. Nov 6, 1948, to Apr 26, 1965, graphic water-stage recorder at present site and datum

Average discharge --26 years, 308 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 9, 1961	a 678	b 6.44	June 8, 1961	53	c 2.68
1962	Sept 23, 1962	598	4.35	Dec 5, 1961	d 35	1.44
1963	Mar 3, 1963	725	4.60	Sept 16, 1963	57	1.87
1964	Feb 10, 11, 1964	966	4.94	Nov 1, 1963	46	1.61
1965	Aug 13, 1965	1,380	5.19	June 6, 7, 1965	18	.94

a Maximum peak discharge, maximum discharge during year, 2,210 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

c Occurred Aug 14, 1961

d Minimum daily

1939-65. Maximum discharge, 4,140 cfs Sept 24, 1947, from rating curve extended above 2,900 cfs, maximum gage height, 8.01 ft Sept 13, 14, 1960, minimum discharge, 1.4 cfs June 2, 1945 (gage height, 0.05 ft)

Remarks --Records good except those for period of shifting control, which are poor. Since 1949, records include and appreciable amount of waste water diverted from ground-water supplies into McKinney Branch by chemical plants and phosphate mines, and since July 1963, some regulation by structure P-11 on Saddle Creek. Records of chemical analyses and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions --WSP 1234. Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,200	714	246	128	190	278	213	70	104	230	114	456
2	2,170	666	243	134	183	278	204	95	92	201	153	424
3	2,110	605	218	137	177	278	183	97	80	175	180	406
4	2,010	617	188	155	215	272	172	92	70	148	162	402
5	1,910	572	175	144	224	259	172	110	60	145	110	385
6	1,810	541	175	137	196	249	160	104	58	136	93	389
7	1,780	523	179	141	255	246	204	93	55	116	79	389
8	1,810	511	182	142	583	224	240	85	54	100	85	381
9	1,750	483	179	172	604	215	207	92	57	108	93	385
10	1,700	456	168	179	596	193	236	213	63	102	104	373
11	1,640	442	164	162	509	172	240	210	67	104	97	344
12	1,600	428	153	162	456	160	210	177	129	145	79	333
13	1,540	404	148	186	420	167	204	162	116	170	60	314
14	1,490	391	139	240	389	236	183	150	122	162	58	288
15	1,440	379	130	230	364	230	165	143	129	155	67	277
16	1,390	362	155	218	343	201	167	132	102	145	97	274
17	1,310	362	164	213	333	188	183	118	86	136	150	269
18	1,250	354	159	201	321	201	170	108	77	134	259	261
19	1,190	339	153	199	314	314	167	109	67	141	243	246
20	1,170	323	149	193	307	420	172	92	69	190	207	226
21	1,100	301	153	180	272	402	165	83	66	213	185	216
22	1,050	297	168	175	278	352	153	75	79	215	204	198
23	1,000	279	164	172	278	340	134	66	83	230	337	187
24	948	272	160	162	292	321	114	67	75	233	321	177
25	903	262	157	160	299	299	116	73	72	227	278	165
26	868	262	159	162	285	262	112	110	143	199	285	155
27	846	252	159	157	282	230	106	136	182	167	245	146
28	798	240	151	167	282	215	100	150	196	148	415	152
29	735	233	153	175	-----	207	97	138	196	132	406	142
30	665	243	149	210	-----	201	73	122	218	110	411	139
31	672	-----	146	207	-----	188	-----	112	-----	88	456	-----
TOTAL	42,845	12,193	5,186	5,400	9,332	7,788	5,022	3,575	2,970	4,905	6,073	8,499
MEAN	1,382	406	167	174	333	251	167	115	99.0	158	196	283
MAX	2,200	714	246	240	664	420	240	213	218	233	456	456
MIN	665	233	130	128	177	160	73	66	54	88	58	139

CAL YR 1960. TOTAL 305,322 MEAN 834 MAX 3,460 MIN 130  
WAT YR 1961 TOTAL 113,778 MEAN 312 MAX 2,200 MIN 54

Note --Shifting-control method used May 14 to July 14

## 2-2946 50 Peace River at Bartow, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	134	68	39	53	69	80	99	67	65	209	233	451
2	131	34	43	47	86	79	124	64	76	283	226	500
3	125	58	45	54	76	79	119	64	70	286	228	446
4	124	61	41	63	77	81	113	57	68	256	228	383
5	124	63	35	62	70	72	104	58	69	219	235	370
6	112	64	39	69	68	77	92	62	66	192	247	354
7	105	58	41	75	79	68	93	58	66	174	235	383
8	95	58	42	81	74	61	103	54	84	159	233	387
9	94	52	42	83	68	62	108	51	73	146	217	366
10	103	45	42	66	86	60	102	49	81	159	211	327
11	98	45	40	92	103	60	90	54	97	207	254	316
12	93	43	41	84	93	56	92	52	111	190	316	309
13	102	47	39	79	86	58	88	51	121	176	331	299
14	114	40	40	78	84	58	92	53	162	163	275	283
15	105	40	43	75	82	64	88	52	142	153	230	316
16	93	38	42	75	62	91	79	49	151	164	228	292
17	98	41	44	63	85	97	84	48	222	164	247	259
18	95	42	42	68	86	89	78	46	228	154	275	244
19	94	40	55	73	82	85	70	44	195	160	278	249
20	85	40	66	77	64	81	64	43	172	183	289	289
21	73	40	59	85	89	76	70	43	158	203	286	505
22	58	40	51	76	89	61	76	42	166	195	303	591
23	55	44	54	74	80	60	101	60	207	183	306	591
24	61	45	52	76	76	111	61	45	224	168	296	553
25	58	42	41	70	78	96	64	44	211	139	309	505
26	65	44	43	79	84	101	70	44	197	131	289	473
27	66	45	50	88	84	96	72	45	185	120	264	428
28	71	51	45	84	86	94	76	44	193	120	247	400
29	78	41	51	92	-----	90	75	54	180	126	313	170
30	78	40	51	93	-----	95	75	61	181	158	283	339
31	72	-----	44	90	-----	101	-----	67	-----	197	264	-----
TOTAL	2,655	1,415	1,408	2,362	2,304	2,495	2,600	1,608	4,201	5,537	8,196	11,578
MEAN	92.1	47.2	45.6	76.2	82.4	89.5	86.7	51.9	140.2	179.5	295.2	431.6
MAX	134	68	66	93	103	111	124	67	228	286	331	591
MIN	55	38	35	49	68	50	61	42	65	120	211	244
CAL YR 1961	TOTAL 54,242			MEAN 162	MAX 664	MIN 35						
WAT YR 1962	TOTAL 46,553			MEAN 128	MAX 591	MIN 35						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	330	93	112	96	117	589	228	103	240	261	231	740
2	302	92	123	92	115	631	216	109	213	227	295	231
3	273	91	108	94	111	718	207	99	182	207	316	237
4	258	91	103	94	170	704	207	101	158	180	330	258
5	270	90	108	90	178	676	204	102	136	158	320	255
6	261	87	109	89	162	613	196	100	117	145	310	701
7	240	88	101	103	138	559	188	93	148	173	296	175
8	219	90	97	104	125	495	185	90	178	117	288	162
9	201	124	100	99	119	450	176	89	180	103	276	150
10	204	152	102	92	118	490	178	87	156	104	270	118
11	201	142	103	95	114	490	175	88	130	103	261	92
12	172	125	103	98	261	460	170	87	118	104	267	75
13	164	126	105	100	442	423	170	92	117	143	288	63
14	148	130	103	106	500	399	166	96	121	276	316	60
15	135	126	101	114	490	383	158	94	140	240	292	60
16	133	117	102	117	442	371	152	91	145	204	282	58
17	130	110	101	108	415	355	148	86	121	201	313	63
18	121	106	102	100	391	341	135	92	117	172	355	69
19	113	104	103	98	387	327	129	95	114	147	375	147
20	107	111	105	96	395	320	133	95	107	124	403	182
21	104	111	104	98	387	306	135	92	116	109	495	154
22	104	113	105	113	368	288	130	97	111	107	419	148
23	116	125	101	111	341	279	125	100	130	125	411	175
24	116	119	100	123	327	273	124	100	225	147	495	252
25	107	167	92	130	302	261	123	111	334	172	355	334
26	103	110	90	121	352	255	110	164	320	180	334	355
27	100	110	91	120	547	252	105	152	306	228	313	359
28	94	108	95	132	595	249	108	168	288	243	302	352
29	89	107	95	129	-----	246	104	196	292	237	292	327
30	87	104	95	119	-----	243	102	243	282	219	270	320
31	87	-----	99	118	-----	237	-----	240	-----	213	261	-----
TOTAL	5,089	3,308	3,162	3,299	8,408	12,689	4,691	3,556	5,334	5,342	9,831	5,672
MEAN	164	110	102	106	300	409	156	115	178	172	317	189
MAX	330	152	125	132	595	718	228	243	334	276	419	359
MIN	87	87	90	89	111	237	102	87	107	103	231	58
CAL YR 1962	TOTAL 52,440			MEAN 144	MAX 591	MIN 42						
WAT YR 1963	TOTAL 70,381			MEAN 193	MAX 718	MIN 58						

## 2-2946 50 Peace River at Bartow, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	318	50	138	184	450	500	750	213	137	80	94	132
2	264	53	94	179	440	460	282	250	88	82	88	194
3	240	54	89	179	416	435	282	287	95	81	86	300
4	213	56	92	181	476	420	275	300	105	78	86	360
5	137	58	94	183	640	404	270	335	108	74	84	420
6	107	69	86	135	760	388	261	327	122	73	83	470
7	101	90	80	170	768	370	253	305	123	70	83	476
8	96	75	78	287	903	357	246	287	119	69	86	470
9	89	66	76	302	957	341	242	273	108	66	88	545
10	80	140	76	300	966	330	244	261	103	60	92	588
11	77	257	78	295	939	330	264	253	106	56	94	622
12	75	261	77	373	885	313	264	246	108	55	95	628
13	73	253	77	558	849	297	255	238	101	54	101	640
14	74	240	78	616	792	297	246	232	93	55	98	670
15	64	236	78	640	760	278	240	232	87	58	93	700
16	59	228	80	632	720	266	234	248	84	60	140	706
17	59	222	183	632	680	278	230	255	82	71	149	706
18	58	215	287	640	640	282	222	253	80	75	123	694
19	58	199	300	616	712	278	215	246	78	75	115	682
20	58	250	287	608	720	230	211	234	76	75	107	676
21	58	266	282	624	696	138	203	213	74	75	119	658
22	59	292	276	616	680	108	198	213	73	78	147	622
23	58	315	250	586	656	98	194	213	75	90	134	582
24	58	321	215	551	616	95	184	216	74	99	117	550
25	58	327	209	544	572	94	170	211	72	102	106	515
26	56	324	201	558	537	94	165	201	72	112	98	490
27	53	315	194	537	518	93	184	192	70	116	114	460
28	50	305	184	544	506	91	209	166	70	114	230	431
29	52	300	179	530	518	91	222	159	72	134	266	411
30	52	275	177	506	-----	116	216	156	72	124	270	387
31	51	-----	179	470	-----	253	-----	147	-----	106	242	-----
TOTAL	2,902	6,112	4,776	13,776	19,762	8,125	6,933	7,362	2,727	2,517	3,828	15,785
MEAN	93.6	204	154	444	681	262	231	237	90.8	81.2	123	526
MAX	318	327	300	640	966	500	750	335	137	108	270	706
MIN	50	50	76	135	416	91	165	147	70	54	83	132

CAL YR 1963 TOTAL 72,612 MEAN 199 MAX 718 MIN 50  
WAT YR 1964 TOTAL 94,605 MEAN 258 MAX 966 MIN 50

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	367	155	87	87	111	228	168	38	23	85	195	416
2	351	149	83	79	110	223	165	39	23	100	213	389
3	345	110	75	116	116	261	159	39	22	88	167	364
4	339	98	76	75	116	277	155	31	21	78	215	347
5	318	97	106	81	118	275	154	28	19	73	207	327
6	310	99	147	84	117	262	153	29	18	73	196	313
7	310	100	147	89	120	262	151	51	19	88	189	311
8	297	96	142	88	125	255	150	54	24	92	194	315
9	286	95	131	85	125	248	143	56	30	99	223	318
10	274	94	124	86	127	235	141	57	32	100	515	306
11	264	94	114	92	119	205	140	56	48	102	1,060	286
12	261	94	109	95	113	193	137	55	70	111	1,290	273
13	254	94	106	99	109	188	133	53	88	130	1,370	258
14	251	95	106	99	110	195	133	50	93	143	1,320	248
15	246	98	107	105	106	196	128	44	87	148	1,240	235
16	237	101	107	108	103	193	118	42	69	150	1,160	223
17	232	99	105	107	101	181	115	45	62	152	1,080	204
18	221	95	105	106	100	175	112	53	117	156	980	134
19	212	94	105	107	101	173	104	63	140	165	889	119
20	208	91	103	107	102	172	100	59	131	186	872	110
21	200	94	99	106	105	174	68	57	112	210	848	101
22	194	94	95	106	117	172	51	51	93	201	786	91
23	189	91	95	103	166	166	50	45	103	201	724	89
24	185	84	95	102	208	160	49	45	127	197	674	97
25	183	84	91	103	223	158	48	44	125	191	628	97
26	180	107	85	101	237	155	51	46	120	194	569	101
27	173	108	83	99	237	155	52	38	113	197	529	114
28	166	84	87	99	234	158	52	36	111	182	504	125
29	164	79	90	99	-----	157	49	24	98	168	487	137
30	151	90	90	96	-----	155	39	22	89	166	457	162
31	130	-----	90	115	-----	158	-----	23	-----	174	431	-----
TOTAL	7,312	2,963	3,189	2,983	3,771	6,185	3,268	1,370	2,272	4,400	20,262	6,610
MEAN	236	98.8	103	96.2	135	199	109	44.2	74.2	142	654	220
MAX	367	155	147	115	237	277	168	63	140	210	1,370	416
MIN	51	79	76	75	100	155	39	22	18	73	189	89

CAL YR 1964 TOTAL 94,279 MEAN 258 MAX 966 MIN 51  
WAT YR 1965 TOTAL 64,520 MEAN 177 MAX 1,370 MIN 18

2-2950 13 (revised) Bowlegs Creek near Fort Meade, Fla

Location --Lat 27°41'57", long 81°41'40", in NW¼ sec 14, T 32 S, R 26 E, on left bank 330 ft upstream from culverts on county road, 2 1 miles downstream from Boggy Branch, and 7 6 miles south-east of Fort Meade, Polk County

Drainage area --47 2 sq mi

Records available --February 1964 to September 1965

Gage --Water-stage recorder Datum of gage is 95 46 ft above mean sea level, datum of 1929

Extremes --1964 Maximum discharge during period February to September, 289 cfs Sept 13 (gage height, 6 68 ft), minimum, 1 9 cfs June 28, 29 (gage height, 2 16 ft)  
1964-65 Maximum discharge during water year, 552 cfs Aug 10 (gage height, 7 88 ft), minimum, 0 50 cfs May 28, 29 (gage height, 2 00 ft)

Remarks --Records good except those for period of shifting control, which are fair Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1964

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT.
1					-	54	52	18	2 2	78	12	27
2					-	48	48	93	2 2	81	8 9	30
3					-	46	42	137	2 1	110	9 7	43
4					-	44	36	107	2 0	69	8 8	86
5					-	42	31	78	2 0	44	7 6	146
6					-	39	26	60	6 2	31	11	191
7					-	35	21	49	9 5	22	9 7	151
8					-	32	17	40	6 5	14	11	116
9					-	29	14	31	9 2	10	22	94
10					-	26	12	23	46	7 4	26	84
11					-	24	10	17	32	6 4	32	80
12					-	21	8 6	13	16	7 0	37	79
13					-	18	7 2	9 9	9 1	5 5	36	230
14					-	16	6 4	8 1	6 0	4 6	35	224
15					-	15	5 6	7 2	4 7	4 1	40	228
16					-	14	4 9	6 4	4 1	4 0	49	274
17					-	21	4 2	5 4	3 4	5 8	54	246
18					-	26	3 9	4 7	3 0	6 6	57	181
19					-	22	3 5	4 1	2 7	5 6	55	133
20					-	19	3 2	3 8	2 5	5 0	50	98
21					-	18	2 8	3 2	2 3	4 2	54	76
22					-	16	2 6	3 0	2 2	4 2	66	61
23					-	13	2 4	3 0	2 1	6 0	51	50
24					-	11	2 3	3 3	2 1	8 6	48	41
25					-	9 9	2 3	3 3	2 1	17	46	34
26					42	8 8	2 4	3 2	2 0	39	43	28
27					40	8 6	27	2 8	2 1	37	39	23
28					63	54	25	2 6	2 0	29	45	22
29					64	130	19	2 5	2 0	28	43	19
30					-----	79	13	2 5	21	23	38	16
31					-----	62	-----	2 3	-----	18	32	-----
TOTAL					-	1,001 3	455 3	747 3	211 3	735 0	1,076 7	3,111
MEAN					-	32 3	15 2	24 1	7 04	23 7	34 7	104
MAX					-	130	52	137	46	110	66	274
MIN					-	8 6	2 3	2 3	2 0	4 0	7 6	16
CFSM					-	68	32	51	15	50	74	2 20
IN					-	79	36	59	17	58	85	2 45

## 2-2950 13 (revised) Bowlegs Creek near Fort Meade, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	14	2 6	3 6	1 9	2 2	4 5	11	2 3	0 8	36	110	8 2
2	12	2 5	3 3	1 8	3 2	350	8 4	2 3	7	33	90	7 4
3	11	2 6	3 2	1 9	3 5	179	7 0	2 1	8	54	74	6 5
4	10	2 7	3 3	2 1	3 0	164	5 9	1 9	8	69	60	5 8
5	9 1	2 6	5 4	2 1	2 8	133	5 4	1 8	8	54	50	5 4
6	8 8	2 5	6 8	2 0	2 7	127	4 7	1 7	8	60	47	5 2
7	8 2	2 4	4 9	2 0	4 7	101	4 4	1 7	8	73	41	4 9
8	7 7	2 3	4 2	1 9	5 0	75	3 9	1 5	1 7	108	36	5 0
9	7 6	2 3	3 9	1 9	3 9	56	3 9	1 4	3 0	205	32	13
10	7 2	2 2	3 6	1 9	3 6	44	3 6	1 3	3 6	116	170	14
11	6 5	2 2	3 4	1 9	3 3	35	3 4	1 3	9 5	106	398	11
12	6 0	2 1	3 3	2 1	3 1	29	3 2	1 3	26	111	264	8 4
13	5 9	1 4	3 2	2 2	2 8	24	2 8	1 2	25	110	184	7 1
14	5 9	1 4	3 2	2 3	2 7	20	2 6	1 2	13	90	140	6 4
15	5 6	1 4	3 3	3 9	2 7	18	2 5	1 2	16	78	107	5 6
16	5 2	1 5	3 1	4 6	2 6	16	2 4	1 1	8 6	71	86	5 6
17	4 9	1 7	2 8	3 9	2 6	16	2 3	1 0	6 6	90	75	6 5
18	4 5	1 8	2 7	3 4	2 5	14	2 1	1 0	16	133	63	8 4
19	4 1	1 8	2 5	3 3	2 3	11	2 1	1 0	35	129	46	8 2
20	4 0	1 8	2 5	3 1	2 1	9 9	1 9	9	22	162	42	6 8
21	3 6	1 8	2 6	2 8	1 9	9 1	2 2	8	11	231	40	5 9
22	3 4	1 8	2 6	2 7	2 1	8 4	4 2	8	48	189	36	5 1
23	3 3	1 9	2 6	2 7	15	8 4	4 0	8	127	148	30	4 9
24	3 1	2 0	2 6	2 5	65	8 1	3 2	8	82	132	25	5 1
25	3 0	2 4	2 5	2 5	26	7 7	2 8	8	56	119	21	5 5
26	3 1	2 6	2 3	2 6	10	7 0	3 4	8	43	96	18	5 6
27	3 0	2 6	2 3	2 5	7 0	6 5	4 4	8	67	82	16	8 1
28	2 8	3 0	2 4	2 2	5 5	14	3 5	7	88	60	14	31
29	2 8	5 2	2 7	2 1	-----	21	3 1	7	61	47	12	95
30	2 8	4 4	2 5	2 1	-----	18	2 6	8	45	50	11	167
31	2 7	-----	2 1	2 1	-----	14	-----	9	-----	79	9 1	-----
TOTAL	181.8	69 5	99 4	77 0	193 8	1,548 6	116 9	37 9	819 5	3,121	2,347 1	482 6
MEAN	5 86	2 32	3 21	2 48	6 92	50 0	3 90	1 22	27 3	101	75 7	16 1
MAX	14	5 2	6 8	4 6	65	350	11	2 3	127	231	398	167
MIN	2 7	1 4	2 1	1 8	1 9	4 5	1 9	7	7	33	9 1	4 9
CFSM	12	05	.07	05	15	1 06	08	03	58	2 14	1 60	34
IN	14	05	08	06	15	1 22	09	03	65	2 46	1 85	38

CAL YR 1964: TOTAL - MEAN - MAX - MIN - CFSM - IN -  
WAT YR 1965: TOTAL 9,095 1 MEAN 24 9 MAX 398 MIN 7 CFSM 53 IN 7 16

Note --Shifting-control method used Mar 6 to June 22

## 2-2954 2 Payne Creek near Bowling Green, Fla

Location --Lat 27°37'13", long 81°49'33", in SW 1/4 sec 9, T 33 S, R 25 E, near center of span on downstream side of bridge on U S Highway 17, 0.4 mile downstream from Little Payne Creek, and 1.2 miles south of Bowling Green, Hardee County

Drainage area --121 sq mi

Records available --October 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 51.06 ft above mean sea level, datum of 1929

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (900 cfs), water years 1964-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Nov 11, 1963	1500	961	11 36	Mar 3, 1965	2100	1,260	13 33	Aug 1, 1965	2200	1,110	12 46
Feb 7, 1964	0400	* 962	11 37	July 22, 1965	1900	1,730	15 73	Aug 11, 1965	0400	* 2,190	17 88
Sept 5, 1964	1130	927	11 10	July 27, 1965	0730	1,940	16 71				

Annual minimum discharge, water years 1964-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1964	July 21, 22, 1964	3 4	2 67	1965	May 25, 1965	1 2	a 2 47

a Occurred May 14, 15 (affected by pumping)

1963-65 Maximum discharge, 2,190 cfs Aug 11, 1965 (gage height, 17.88 ft), minimum, 1.20 cfs May 25, 1965, minimum gage height, 2.47 ft May 14, 15, 1965 (affected by pumping)

Remarks --Records good except those above 1,400 cfs, which are poor Some diversion by pumping for irrigation Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## 2-2954 2 Payne Creek near Bowling Green, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT
1	192	21	42	86	70	202	289	46	5.8	40	22	74
2	160	21	36	71	64	160	195	405	5.8	115	13	76
3	136	21	33	62	63	130	135	654	6.5	196	9.5	327
4	112	22	31	55	165	114	103	417	7.5	74	6.5	783
5	99	25	30	50	510	94	83	269	12	54	5.5	908
6	88	31	27	46	649	67	68	195	24	39	7.7	705
7	78	29	26	105	928	76	56	134	21	27	22	447
8	68	18	26	166	752	67	46	42	14	20	24	285
9	63	15	24	154	604	61	38	24	15	14	59	186
10	57	462	23	125	466	54	33	47	44	9.0	52	142
11	52	926	22	104	360	49	26	35	34	7.5	130	120
12	43	990	22	290	276	42	22	26	21	9.5	161	106
13	44	432	22	623	213	36	19	22	12	5.8	86	256
14	41	779	24	696	174	35	17	21	8.0	4.5	72	364
15	38	162	34	524	145	31	14	72	5.8	4.1	59	479
16	36	130	38	384	130	23	13	20	4.5	4.5	47	441
17	34	104	58	295	125	57	11	17	4.1	7.5	49	352
18	32	66	89	297	165	64	10	13	5.8	10	61	247
19	30	71	75	219	363	51	8.5	12	15	8.0	52	186
20	29	64	60	187	380	46	7.0	10	38	5.8	163	148
21	28	56	50	162	328	51	5.8	10	22	3.9	170	112
22	27	51	46	141	260	47	5.5	7.0	12	3.6	305	86
23	26	46	66	122	227	40	5.8	9.5	7.0	6.0	188	68
24	25	46	209	109	195	34	5.5	9.5	5.5	8.0	94	58
25	24	63	196	99	169	32	7.0	8.0	5.5	24	71	48
26	23	67	167	99	145	29	18	7.5	5.8	58	57	42
27	23	61	120	92	130	32	182	6.5	6.1	66	41	37
28	22	53	105	94	195	164	75	7.0	5.8	44	35	34
29	22	54	90	99	230	267	57	6.5	2.0	33	27	33
30	21	50	80	89	-----	924	41	7.5	20	23	25	29
31	21	-----	89	78	-----	432	-----	6.1	-----	19	41	-----
TOTAL	1,099	4,196	1,958	5,682	8,682	3,543	1,600.1	2,012.1	402.5	947.7	2,159.2	7,124
MEAN	34.8	140	63.2	163	299	114	53.3	64.3	13.4	30.6	60.7	237
MAX	162	926	209	696	926	624	289	674	44	196	305	908
MIN	21	15	22	46	63	28	5.5	6.1	4.1	3.6	5.5	24
CFSM	45	1.16	4.2	1.51	2.47	94	44	70	11	25	58	1.96
IN.	.52	1.29	60	1.75	7.67	1.09	.49	80	12	29	.66	2.19

CAL YR 1963 TOTAL 40,605.6 MEAN 111 MAX 928 MIN 3.6 CFSM .92 IN 12.48  
 WAT YR 1964 TOTAL 40,605.6 MEAN 111 MAX 928 MIN 3.6 CFSM .92 IN 12.48

Note --No gage-height record Oct 1 to Nov 5, 1963

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	26	6.5	38	9.5	8.0	24	27	5.0	5.2	78	1,060	62
2	26	7.0	25	8.5	9.0	22	22	4.3	5.0	77	1,030	64
3	31	4.0	19	7.5	14	1,130	20	3.6	2.8	196	784	65
4	32	9.0	16	9.5	13	1,050	16	3.1	2.5	44	578	76
5	29	8.0	29	11	13	66.1	14	3.3	3.0	39	476	76
6	31	7.0	31	9.0	12	440	15	3.7	4.5	41	530	70
7	31	32	32	6.5	27	12	12	3.6	4.7	96	432	66
8	33	5.8	28	8.8	44	213	10	5.0	2.9	158	344	62
9	34	6.1	22	5.8	34	155	8.0	5.0	4.5	144	650	108
10	30	6.1	16	5.5	24	113	7.0	4.7	6.1	98	1,280	104
11	26	5.1	13	5.8	18	93	7.5	3.9	22	74	2,060	94
12	34	4.5	12	7.0	15	76	8.5	3.1	55	94	1,690	74
13	29	7.5	11	7.5	12	65	5.5	2.7	70	173	1,190	62
14	28	7.0	12	8.0	12	59	5.8	2.1	42	232	800	52
15	25	7.0	16	18	10	57	5.0	2.4	24	198	580	45
16	20	6.5	15	28	10	52	4.5	2.5	18	142	436	38
17	16	6.5	12	22	9.0	46	5.0	2.5	86	112	317	36
18	13	7.0	12	16	8.0	43	4.5	2.5	101	169	237	42
19	10	7.5	11	13	7.5	39	4.5	2.0	82	362	185	45
20	9.5	7.5	10	12	5.8	34	5.2	3.5	55	330	142	43
21	9.0	8.0	9.5	9.5	5.0	33	5.5	2.0	33	729	124	34
22	8.0	7.5	9.0	9.0	5.8	30	8.0	2.0	25	1,400	146	30
23	7.0	7.5	9.5	8.0	42	27	9.0	3.1	32	1,320	152	26
24	7.5	10	9.5	9.5	100	27	10	3.3	109	766	115	28
25	8.0	12	8.5	17	70	24	9.0	2.1	159	1,020	94	33
26	8.0	13	8.5	18	54	22	8.0	2.6	124	1,330	76	58
27	7.0	11	10	15	41	22	7.5	2.7	126	1,870	58	92
28	6.5	16	10	17	30	48	6.5	2.0	177	1,480	61	143
29	7.0	58	17	13	-----	42	5.2	1.9	164	931	67	195
30	7.0	67	13	10	-----	34	4.3	2.0	117	748	60	169
31	6.5	10	10	9.5	-----	30	-----	2.5	-----	930	56	-----
TOTAL	595.0	348.4	492.5	351.4	653.1	5,342	279.8	96.6	1,661.1	15,729	15,810	2,095
MEAN	19.2	11.6	15.9	11.3	23.3	172	9.33	3.12	55.4	491	510	69.8
MAX	34	67	38	28	100	1,130	27	5.0	177	1,870	2,060	195
MIN	6.5	5.8	8.5	5.5	5.0	22	4.3	1.9	2.5	49	56	26
CFSM	.16	10	.13	.09	.19	1.42	.08	.03	.46	4.06	4.21	.58
IN.	.18	.11	.15	.11	.20	1.64	.09	.03	.51	4.68	4.86	64

CAL YR 1964 TOTAL 34,168.5 MEAN 93.4 MAX 928 MIN 3.6 CFSM .77 IN 10.51  
 WAT YR 1965 TOTAL 42,953.9 MEAN 118 MAX 2,060 MIN 1.9 CFSM .97 IN 13.20



## 2-2956 37 (revised) Peace River at Zolfo Springs, Fla

Location --Lat 27°30'15", long 81°48'04", in S $\frac{1}{2}$  sec 22, T 34 S, R 25 E, near right bank on down-stream side of bridge on U S Highway 17, 0.8 mile north of Zolfo Springs, Hardee County

Drainage area --826 sq mi (revised)

Records available --September 1933 to September 1965 Prior to October 1950, published as Peace Creek at Zolfo Springs

Gage --Digital water-stage recorder Datum of gage is 30.20 ft above mean sea level, datum of 1929 Prior to Oct 1, 1964, graphic water-stage recorder at present site at datum 5.00 ft higher Oct 1, 1964, to Apr 29, 1965, graphic water-stage recorder at present site and datum

Average discharge --32 years, 764 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 9, 1961	a 2,110	b 12.63	June 22, 23, 1961	137	0.20
1962	Sept 23, 1962	6,270	13.06	May 22, 1962	41	.76
1963	Feb 28, 1963	4,010	10.58	May 19, 1963	99	-.37
1964	Feb 7, 1964	3,560	9.50	July 17, 1964	113	-.36
1965	Aug 12, 1965	4,630	16.09	June 6, 1965	39	3.96

a Maximum peak discharge, maximum discharge during year, 5,280 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

1933-65 Maximum discharge, 26,800 cfs Sept 6, 1933 (gage height, 25.05 ft, present datum), minimum, 39 cfs June 6, 1965 (gage height, 3.96 ft)

Remarks --Records good Records of chemical analyses and water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,080	1,470	357	299	350	441	399	195	205	637	268	1,900
2	4,660	1,410	357	283	330	425	398	181	166	945	253	1,510
3	4,320	1,300	346	283	373	416	379	171	157	738	325	1,240
4	3,780	1,200	346	276	606	415	364	178	158	633	336	1,050
5	3,250	1,100	337	271	544	416	342	181	162	553	320	945
6	2,900	1,030	334	283	472	403	310	194	157	471	304	901
7	2,800	962	317	290	645	389	302	182	168	405	284	835
8	3,430	895	292	281	1,820	376	362	181	165	338	264	773
9	3,350	850	301	310	2,070	350	372	198	155	307	253	811
10	3,570	811	312	388	1,710	320	381	450	165	320	257	885
11	3,560	762	325	397	1,360	306	388	408	181	347	264	919
12	3,440	708	341	373	1,210	290	374	331	182	526	251	837
13	3,040	675	364	401	1,030	312	416	294	261	570	232	771
14	2,670	660	343	604	885	771	425	269	261	580	212	716
15	2,880	646	310	572	783	858	372	246	391	967	202	626
16	2,940	620	390	542	696	762	338	240	357	731	219	532
17	2,650	600	382	498	627	614	330	230	312	645	275	482
18	2,300	588	377	460	589	507	317	216	285	570	477	469
19	2,010	576	370	418	557	475	304	200	248	500	663	458
20	1,840	566	352	386	522	591	270	190	197	517	657	440
21	1,780	560	359	373	498	729	250	181	158	521	712	405
22	1,700	534	373	357	497	672	246	170	138	486	718	358
23	1,590	508	373	353	563	622	262	160	176	473	670	322
24	1,490	496	373	337	525	561	258	157	245	471	652	313
25	1,380	490	375	334	482	495	243	152	243	473	696	300
26	1,290	482	401	326	468	461	227	173	242	454	919	262
27	1,250	460	368	326	473	432	224	210	259	492	1,130	238
28	1,180	428	325	325	464	398	214	218	314	484	1,640	219
29	1,140	409	312	323	-----	367	205	221	342	394	1,670	205
30	1,090	373	312	337	-----	330	198	222	406	349	1,820	214
31	1,140	-----	310	346	-----	318	-----	226	-----	316	2,010	-----
TOTAL	79,480	22,169	10,734	11,352	21,149	14,622	9,460	6,825	6,846	16,213	18,953	19,936
MEAN	2,564	739	346	366	755	478	315	220	228	523	611	665
MAX	5,080	1,470	401	604	2,070	858	425	450	406	967	2,010	1,900
MIN	1,090	373	292	271	330	290	198	152	138	307	202	205
CFSM	3.10	.89	.46	.44	.91	.58	.38	.27	.28	.63	.74	.80
IN.	3.38	1.00	.46	.51	.95	.67	.43	.31	.31	.73	.85	.90
CAL YR 1960	TOTAL 611,850	MEAN 1,672	MAX 15,200	MIN 245	CFSM 2.02	IN 27.55						
WAT YR 1961:	TOTAL 237,939	MEAN 652	MAX 5,080	MIN 138	CFSM .79	IN 10.71						

## 2-2956 37 Peace River at Zolfo Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	201	143	82	121	134	113	184	140	170	1,350	394	2,450
2	214	136	82	156	135	101	284	140	270	1,290	446	2,820
3	198	118	89	140	126	96	355	108	225	1,120	527	2,620
4	161	110	89	107	125	105	283	98	169	972	596	2,020
5	145	113	87	103	131	118	218	527	384	842	575	1,960
6	149	118	84	116	136	127	183	428	310	714	554	1,700
7	156	118	78	152	138	119	284	182	190	563	712	1,560
8	165	122	87	184	130	104	752	130	149	428	733	1,520
9	161	108	93	173	135	102	523	109	184	364	726	1,560
10	144	104	90	152	128	90	365	96	183	342	684	1,320
11	139	110	108	144	155	91	649	93	351	333	680	1,080
12	135	117	101	143	158	93	317	77	1,100	418	813	1,000
13	136	135	96	135	140	99	219	85	838	609	861	1,200
14	191	126	97	132	127	102	175	77	699	687	773	1,250
15	216	104	86	135	126	96	161	84	577	659	720	1,610
16	214	104	84	142	135	118	158	90	955	634	699	1,640
17	183	102	107	144	144	163	156	82	1,570	609	775	1,310
18	173	99	104	152	159	156	143	68	1,830	523	1,040	1,040
19	147	95	101	139	175	152	128	62	1,160	422	1,210	867
20	145	89	114	132	170	147	121	52	1,010	382	1,100	998
21	154	90	125	135	162	143	107	44	1,010	480	1,050	4,320
22	151	81	113	147	138	118	105	42	938	476	902	5,650
23	143	80	112	143	134	139	103	85	1,420	436	972	6,200
24	142	96	116	132	122	216	102	189	1,380	409	1,090	6,000
25	135	119	128	116	114	234	98	166	1,060	380	1,060	5,480
26	130	113	118	119	110	442	96	107	846	364	1,180	5,100
27	128	103	110	107	107	396	107	82	712	278	1,060	3,160
28	125	99	107	117	118	288	99	102	661	255	990	1,970
29	119	95	92	128	-----	213	104	109	850	257	1,140	1,420
30	152	91	91	128	-----	193	183	136	1,150	544	1,530	1,170
31	138	-----	99	163	-----	207	-----	168	-----	458	1,630	-----
TOTAL	4,870	3,238	3,070	4,237	3,812	4,881	6,762	3,958	22,351	17,598	27,222	71,995
MEAN	157	108	99.0	137	136	157	225	128	745	568	878	2,400
MAX	216	143	128	184	175	442	752	527	1,830	1,350	1,630	6,200
MIN	119	80	78	103	107	90	96	42	149	255	394	367
CFSM	.19	.13	.12	.17	.16	.19	.27	.15	.90	.69	1.06	2.91
IN.	.22	.15	.14	.19	.17	.22	.30	.18	1.01	.79	1.23	3.24
CAL YR 1961	TOTAL	136,734	MEAN	375	MAX	2,070	MIN	76	CFSM	.45	IN	6.16
WAT YR 1962	TOTAL	173,994	MEAN	477	MAX	6,200	MIN	42	CFSM	.58	IN	7.83

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,020	197	225	191	226	3,690	298	151	1,200	1,240	479	463
2	900	196	230	198	230	2,770	298	173	857	1,010	536	456
3	804	198	243	175	224	2,140	295	205	670	762	697	881
4	718	213	236	165	291	1,850	284	255	591	570	731	786
5	653	208	231	162	440	1,690	266	220	517	492	826	659
6	600	207	226	161	424	1,500	236	156	425	450	910	681
7	561	182	222	220	388	1,340	239	141	435	368	833	661
8	548	189	204	260	362	1,210	248	139	494	435	714	661
9	535	569	189	265	313	1,080	232	128	526	388	616	502
10	550	710	187	252	271	1,080	232	141	633	311	534	419
11	488	561	182	232	257	1,070	224	122	648	286	452	368
12	432	466	184	213	911	1,040	215	114	505	340	429	311
13	401	407	182	225	2,160	967	227	117	358	392	446	280
14	358	380	187	230	2,440	890	210	128	314	646	559	224
15	335	347	183	251	1,950	844	180	128	291	967	624	231
16	324	337	180	300	1,530	784	171	115	293	1,080	727	210
17	310	319	194	265	1,420	709	163	123	340	1,050	685	192
18	290	291	206	249	1,340	635	158	117	385	1,160	797	209
19	281	275	212	230	1,380	593	161	104	425	931	1,220	1,320
20	259	267	197	224	1,890	561	158	102	365	657	1,610	2,320
21	238	265	203	240	1,670	538	142	106	350	566	1,680	2,090
22	244	263	191	279	1,320	496	151	107	383	496	1,860	1,390
23	268	281	182	265	1,050	456	152	128	513	661	1,760	1,360
24	265	262	183	262	863	409	149	133	1,060	1,090	1,450	1,930
25	242	236	200	265	762	388	146	138	2,560	1,190	1,220	1,960
26	238	216	238	260	1,120	377	142	287	2,880	1,130	1,070	1,860
27	206	204	204	286	2,980	363	149	338	2,820	824	964	1,990
28	206	208	308	308	3,850	352	142	1,100	2,270	608	817	1,770
29	207	216	165	291	-----	358	128	1,100	1,870	517	1,845	1,340
30	200	228	176	257	-----	334	133	1,810	1,480	563	599	1,120
31	204	-----	184	226	-----	311	-----	1,610	-----	559	524	-----
TOTAL	12,890	8,898	6,198	7,407	32,062	30,825	5,931	9,736	26,368	21,739	27,049	28,644
MEAN	416	297	200	239	1,145	984	198	314	879	701	873	955
MAX	1,020	710	243	308	3,850	3,690	298	1,810	2,880	1,240	1,860	2,320
MIN	200	182	165	161	224	311	128	102	291	286	429	192
CFSM	.50	.36	.24	.29	1.39	1.20	.24	.38	1.06	.85	1.06	1.16
IN.	.58	.40	.28	.33	1.44	1.39	.27	.44	1.19	.98	1.22	1.29
CAL YR 1962	TOTAL	190,802	MEAN	523	MAX	6,200	MIN	42	CFSM	.63	IN	8.59
WAT YR 1963	TOTAL	217,747	MEAN	597	MAX	3,850	MIN	102	CFSM	.72	IN	9.80

## 2-2956 37 Peace River at Zolfo Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	JCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	981	149	239	500	826	1,260	1,120	445	228	296	343	413
2	837	147	496	470	793	1,130	850	1,200	173	413	306	515
3	701	139	422	432	760	1,320	714	1,890	163	830	265	1,330
4	999	153	289	397	916	931	634	1,670	149	618	240	1,460
5	533	163	250	379	1,940	848	579	1,210	152	487	210	2,620
6	449	174	245	384	2,330	782	537	948	170	353	336	2,460
7	377	209	242	496	3,310	727	511	167	271	248	357	1,940
8	316	214	248	826	3,190	692	471	674	230	194	281	1,440
9	311	185	251	784	2,560	670	435	545	204	168	335	1,150
10	275	312	227	714	2,110	520	426	504	261	167	323	1,020
11	246	2310	214	659	1,750	573	393	454	254	139	368	1,020
12	215	2360	215	1,010	1,590	557	391	395	271	134	595	988
13	203	1,320	221	1,030	1,420	555	400	357	180	149	452	1,380
14	203	1,200	209	2,100	1,310	547	399	330	164	145	395	1,780
15	167	390	221	1,860	1,220	549	384	316	143	125	354	2,150
16	184	120	239	1,530	1,160	557	357	304	136	118	428	2,400
17	161	610	280	1,360	1,150	581	347	291	150	131	541	2,380
18	160	533	347	1,320	1,150	764	338	291	157	209	441	2,020
19	170	427	471	1,230	1,210	661	309	286	138	215	441	1,590
20	161	450	483	1,180	1,090	579	313	286	160	174	581	1,320
21	162	415	487	1,140	1,540	587	316	285	185	150	581	1,150
22	163	450	486	1,090	1,540	496	286	281	167	148	739	1,040
23	157	423	502	1,060	1,260	370	269	261	160	202	921	945
24	155	452	872	1,010	1,190	330	259	296	146	355	727	866
25	171	547	955	500	1,110	301	238	275	131	340	527	804
26	159	591	852	926	1,030	233	242	228	125	646	433	756
27	162	587	714	908	999	712	228	228	132	731	354	709
28	157	505	555	894	1,180	508	248	214	160	587	363	676
29	163	567	477	917	1,350	1,340	549	224	156	579	393	661
30	157	571	432	899	-----	1,990	471	212	200	426	377	618
31	146	-----	449	859	-----	1,120	-----	209	-----	384	409	-----
TOTAL	9,077	19,400	12,892	30,053	44,181	23,227	13,937	1,846	5,216	9,861	13,415	39,001
MEAN	293	647	416	969	1,521	749	445	511	174	318	433	1,327
MAX	961	2,630	955	2,100	3,310	1,940	1,120	1,810	261	830	921	2,620
MIN	146	139	209	379	760	283	238	209	125	118	210	413
CFSM	429	76	50	117	1,084	91	56	62	21	39	52	1,61
IN-	41	87	36	135	1 99	1,05	63	71	23	44	60	1,79
CAL YR 1963	TOTAL 231,130		MEAN 633		MAX 3,850		MIN 102		CFSM .77		IN 10.41	
WAT YR 1964	TOTAL 236,906		MEAN 647		MAX 3,310		MIN 118		CFSM .78		IN 10.67	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	382	155	345	177	192	386	329	113	59	336	1,970	759
2	550	174	265	167	212	730	318	90	58	338	2,160	799
3	528	198	242	174	260	3,780	292	91	62	510	1,860	761
4	354	206	220	170	268	4,220	278	88	62	593	1,390	703
5	536	204	233	166	268	3,220	252	81	46	309	1,280	638
6	532	188	390	171	257	1,330	236	79	40	286	1,490	585
7	510	166	427	171	290	1,230	234	85	44	509	1,290	540
8	465	359	359	183	373	967	730	73	46	593	986	526
9	469	163	295	180	346	794	224	73	46	457	967	668
10	484	180	249	174	306	678	244	75	64	717	1,390	763
11	444	183	252	171	273	606	241	61	88	556	2,900	778
12	436	164	239	190	237	527	238	77	181	586	4,440	678
13	426	176	213	206	227	454	218	77	290	724	4,410	603
14	411	167	213	209	210	417	216	96	259	866	3,590	531
15	413	157	227	247	214	408	206	91	205	864	2,690	476
16	395	167	227	294	203	397	197	83	171	874	2,150	464
17	375	166	220	290	202	379	183	74	180	632	1,830	471
18	346	185	220	252	203	354	166	74	471	724	1,600	473
19	314	192	214	226	190	350	148	85	518	1,120	1,450	431
20	302	187	203	226	178	324	138	83	454	1,100	1,350	345
21	298	171	204	238	170	308	148	86	337	1,530	1,260	293
22	313	163	200	244	174	303	145	75	274	1,940	1,180	258
23	290	176	202	232	263	303	152	74	335	2,470	1,180	225
24	276	187	197	216	732	305	163	78	591	2,080	1,110	233
25	263	171	197	221	686	302	146	74	557	1,890	1,030	235
26	262	209	197	226	590	281	136	77	554	2,070	977	260
27	236	208	209	214	484	265	143	70	509	2,900	900	331
28	233	183	180	210	417	311	160	70	529	3,470	852	445
29	228	329	181	212	-----	436	166	74	523	2,480	849	732
30	226	450	184	194	-----	357	143	63	429	1,610	803	761
31	177	-----	184	180	-----	373	-----	65	-----	1,570	772	-----
TOTAL	11,920	2,704	7,386	6,437	8,441	25,880	6,090	2,433	7,954	36,940	52,116	15,765
MEAN	385	193	238	207	301	824	203	80.1	265	1,192	1,681	526
MAX	582	450	427	294	732	4,220	329	113	591	3,470	4,440	799
MIN	177	155	180	166	170	265	136	63	40	286	772	273
CFSM	427	223	29	25	46	1,00	25	10	32	1,44	2,06	664
IN-	54	26	33	29	38	1 10	27	11	36	1,66	2,35	71
CAL YR 1964	TOTAL 220,627		MEAN 603		MAX 3,310		MIN 118		CFSM .73		IN 9.93	
WAT YR 1965	TOTAL 186,961		MEAN 512		MAX 4,440		MIN 40		CFSM .62		IN 8.42	

2-2962 23 (revised) Little Charley Bowlegs Creek near Sebring, Fla

Location --Lat 27°28'40", long 81°33'25", in NW $\frac{1}{4}$  sec 31, T 34 S., R 28 E., on right bank 160 ft downstream from concrete control, 900 ft north of county road in Highlands Hammock State Park, 0.8 mile upstream from unnamed creek, and 7 $\frac{1}{4}$  miles southwest of Sebring, Highlands County

Drainage area --41.9 sq mi (revised)

Records available --January 1952 to September 1965 Prior to October 1953, published as Little Charlie Bowlegs Creek near Sebring

Gage --Digital water-stage recorder Datum of gage is 62.32 ft above mean sea level, datum of 1929 Prior to June 4, 1953, graphic water-stage recorder on right bank at upstream side of concrete control and June 4, 1953, to Apr 28, 1965, at present site, at same datum

Average discharge --13 years, 41.2 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Jan 18, 1961	a 121	b 16.94	May 21-23, 1961	c 0.30	d 13.96
1962	Sept 22, 1962	351	16.47	May 25-28, 1962	c 1.0	e 13.63
1963	May 31, 1963	183	15.96	Apr 15-24, 27-30	c 2.0	f 13.66
1964	Sept 3, 1964	316	16.19	Nov 9, Apr 26, June 27, 1964	30	g 13.76
1965	June 25, 1965	118	15.73	June 7, 1965	0	h 13.48

a Maximum peak discharge, maximum discharge during year, 453 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Minimum daily d Occurred May 22, 1961 e Occurred May 29, 1962  
f Occurred Apr 19, 1963 g Occurred June 27, 1964 h Occurred June 8, 1965

1952-65 Maximum discharge, 874 cfs Sept 27, 1960 (gage height, 17.61 ft), no flow for many days in some years, minimum gage height, 12.50 ft June 11, 1955

Remarks --Records fair Flow regulated by manipulation of stoplogs and culvert gates in dam upstream from station Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	443	40	5.5	4.3	24	21	45	1.9	5.2	36	8.1	57
2	399	39	5.3	4.3	22	18	43	2.1	4.4	31	8.9	45
3	339	30	5.3	4.0	22	16	40	1.6	3.4	32	10	40
4	286	35	5.1	3.7	22	14	38	1.7	2.5	46	11	39
5	240	34	4.9	3.4	21	13	35	1.5	1.8	43	11	38
6	204	32	4.9	3.3	20	14	32	1.4	1.6	36	10	35
7	180	24	3.4	3.2	21	2.6	34	1.4	1.8	28	9.7	30
8	164	24	1.2	3.2	26	2.6	34	1.4	3.1	25	10	28
9	149	25	1.2	7.3	27	2.6	32	1.4	2.2	23	9.7	29
10	140	23	1.1	9.2	30	2.7	30	1.4	1.8	20	9.4	34
11	138	22	1.0	9.7	33	3.0	28	1.2	1.6	22	8.6	34
12	128	20	1.2	10	34	3.1	26	1.0	4.2	27	7.6	35
13	118	19	1.1	27	36	7.0	24	90	9.4	28	6.8	34
14	106	17	90	61	32	30	21	80	8.9	28	6.0	30
15	95	17	1.1	75	29	35	19	60	18	31	5.4	26
16	85	15	1.2	75	28	34	18	60	20	28	3.8	24
17	78	14	1.6	74	26	33	11	50	22	21	3.8	24
18	72	13	4.6	85	23	33	3.6	40	23	25	7.1	24
19	66	12	6.2	83	23	38	3.9	40	21	23	17	24
20	62	11	6.2	77	14	52	4.3	50	20	21	20	15
21	59	11	6.2	70	17	41	4.5	30	19	19	20	13
22	54	10	5.8	63	21	34	4.0	30	18	17	22	16
23	50	9.2	5.5	56	28	31	3.7	30	20	14	39	16
24	45	8.9	5.1	51	29	29	3.4	40	29	12	32	14
25	41	8.2	4.8	45	28	27	3.3	50	36	12	26	12
26	38	6.8	4.8	40	26	24	3.1	60	43	9.7	23	11
27	35	5.7	4.6	36	25	17	2.8	60	62	12	23	8.9
28	33	5.7	4.6	32	23	4.0	2.4	60	53	13	22	7.6
29	31	5.7	4.5	30	-----	9.2	2.1	1.4	47	12	24	6.4
30	29	5.7	4.5	27	-----	14	1.9	3.5	41	11	50	5.2
31	31	-----	4.3	26	-----	15	-----	5.0	-----	9.1	60	-----
TOTAL	3,938	548.9	117.70	1,098.6	710	615.2	553.0	56.40	543.9	714.8	524.9	755.1
MEAN	127	18.3	3.80	35.4	25.4	19.8	18.4	1.17	18.1	23.1	16.9	25.2
MAX	443	40	6.2	85	36	52	45	5.0	62	46	60	57
MIN	29	5.7	90	3.2	14	2.6	1.9	30	1.6	9.1	3.8	5.2
CFSM	3.03	4.4	0.9	8.5	6.1	4.7	4.4	0.3	4.3	5.5	4.0	6.0
IN.	3.50	4.9	1.0	9.8	6.3	5.5	4.9	0.3	4.8	6.3	4.7	6.7

CAL YR 1960 TOTAL 31,906.30 MEAN 87.2 MAX 771 MIN 10 CFSM 2.08 IN 28.32  
WAT YR 1961 TOTAL 10,156.50 MEAN 27.8 MAX 443 MIN 30 CFSM .66 IN 9.01

2-2962 23 Little Charley Bowlegs Creek near Sebring, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.5	.30	.40	.20	.30	.40	12	1.1	.40	86	30	256
2	3.8	.30	.40	.20	.20	.40	18	1.1	1.0	100	29	252
3	3.5	.30	.40	.20	.20	.40	16	.80	.90	95	30	214
4	3.4	.30	.40	.20	.20	.30	14	.80	1.1	81	33	193
5	3.2	.20	.30	.20	.20	.40	13	1.0	.80	69	40	160
6	3.1	.20	.30	.20	.30	.40	13	1.3	.70	58	47	135
7	2.9	.20	.30	.20	.30	.50	22	1.3	.80	49	42	124
8	2.8	.20	.30	.20	.20	.50	30	1.3	1.7	36	43	147
9	2.4	.20	.30	.70	.20	.50	27	1.5	2.3	25	48	120
10	2.0	.20	.30	1.0	.40	.50	24	1.2	2.3	57	44	109
11	1.7	.20	.30	1.0	.30	.50	30	1.2	2.4	78	43	95
12	1.5	.20	.30	.90	.20	.40	25	1.1	3.2	122	54	84
13	1.3	.20	.30	.80	.40	.40	21	1.0	5.5	129	84	78
14	1.6	.30	.30	.70	.30	.30	18	.70	6.8	113	92	72
15	1.4	.30	.30	.70	.20	.30	16	.50	13	102	90	66
16	1.2	.30	.30	.60	.20	.30	13	.30	16	106	82	58
17	1.0	.30	.20	.50	.30	.30	11	.30	25	92	73	52
18	1.0	.30	.20	.50	.30	.30	9	.30	39	84	78	46
19	1.2	.30	.20	.40	.30	.30	7.6	.20	37	77	104	42
20	1.2	.30	.20	.50	.30	.30	6.1	.20	39	73	120	57
21	1.2	.30	.20	.40	.30	.30	5.0	.20	61	67	112	237
22	1.2	.30	.20	.40	.30	.30	3.8	.20	78	63	99	338
23	1.2	.40	.20	.40	.30	.30	2.6	.20	90	57	144	291
24	1.0	.40	.20	5.4	.30	.20	2.0	.20	84	51	306	243
25	.90	.40	.20	11	.30	1.3	1.8	.10	84	43	263	209
26	.70	.40	.20	6.1	.30	1	1.7	.10	106	35	287	183
27	.50	.40	.20	.80	.30	4.2	1.5	.10	97	40	249	167
28	.40	.40	.20	.50	.40	7.9	1.4	.10	88	45	231	149
29	.40	.40	.20	.40	-----	10	1.4	.30	79	40	216	137
30	.40	.40	.20	.30	-----	11	1.2	.30	87	34	214	127
31	.40	-----	.20	.30	-----	13	-----	.20	-----	31	240	-----
TOTAL	53.00	9.00	8.20	35.90	7.70	58.10	368.1	19.20	1,054.90	2,138	3,567	4,441
MEAN	1.71	.30	.26	1.16	.28	1.87	12.3	.62	35.2	69.0	115	148
MAX	4.5	.40	.40	1.1	.40	13	1.5	1.5	106	129	306	338
MIN	.40	.20	.20	.20	.20	2.0	1.2	.10	.40	25	29	42
CFSM	.04	.07	.006	.03	.007	.04	.29	.01	.84	1.65	2.75	3.53
IN.	.05	.008	.007	.03	.007	.05	.33	.02	.94	1.90	3.17	3.94
CAL YR 1961	TOTAL	2,622.10	MEAN	15.4	MAX	85	MIN	.20	CFSM	.37	IN	4.99
WAT YR 1962	TOTAL	11,760.10	MEAN	34.2	MAX	338	MIN	.10	CFSM	.77	IN	10.44

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	120	1.2	5.9	4.4	6.6	122	2.1	.30	130	68	2.5	5.1
2	112	1.2	5.5	4.2	7.1	104	1.8	.30	101	55	2.6	4.6
3	104	1.2	4.6	3.5	7.1	95	1.2	.30	74	43	2.5	5.7
4	97	1.2	4.4	3.1	8.8	83	.50	.30	56	37	2.2	6.0
5	92	1.2	4.2	2.8	11	71	.50	.30	45	33	2.0	5.5
6	84	1.2	4.2	2.8	11	64	.40	.40	41	29	1.5	4.8
7	77	1.2	3.5	3.8	12	54	.50	.40	52	26	1.0	6.6
8	70	3.8	3.2	3.5	11	43	.40	.40	51	23	.70	30
9	64	26	4.6	3.4	11	41	.40	.40	54	20	.70	15
10	59	34	4.2	3.1	9.9	42	.40	.30	62	19	.60	10
11	53	43	3.5	2.8	9.0	40	.30	.30	51	19	.60	9.0
12	47	46	3.5	2.6	30	36	.30	.30	40	18	.50	4.0
13	43	43	3.4	3.0	45	33	.30	.40	33	20	.50	.50
14	38	42	3.1	3.8	43	31	.30	.40	30	19	.50	.60
15	33	36	3.0	3.0	39	20	.20	.30	26	18	.40	.70
16	29	31	3.1	5.3	40	24	.20	.30	25	20	.40	.60
17	25	27	3.1	5.3	49	24	.20	.30	24	23	.40	.50
18	22	24	3.0	5.0	63	22	.20	.30	22	31	.40	.50
19	19	22	3.0	4.6	72	20	.20	.30	20	33	.40	1.4
20	14	19	3.0	4.2	76	18	.20	.30	17	30	.50	7.6
21	13	16	2.6	5.3	70	16	.20	.30	15	26	3.1	8.5
22	6.0	15	2.8	5.3	67	14	.20	.30	12	22	63	16
23	3.5	13	2.5	5.0	63	12	.20	.40	10	20	65	19
24	4.4	11	2.5	5.9	66	10	.70	.15	18	18	48	35
25	4.2	10	2.8	5.7	58	9.0	.30	1.9	39	18	35	37
26	3.4	9.6	5.0	7.9	76	7.5	.30	2.6	73	15	29	30
27	3.0	7.9	5.0	9.6	131	6.2	.20	6.4	90	12	26	29
28	2.2	7.4	5.9	9.9	141	5.3	.20	12	102	9.9	22	78
29	1.8	8.6	5.7	9.9	-----	4.2	.20	43	93	8.7	11	27
30	1.6	6.6	5.7	8.8	-----	3.4	.20	14.9	80	7.5	5.7	26
31	1.4	-----	4.6	7.9	-----	2.8	-----	158	-----	4.4	5.5	-----
TOTAL	1,247.1	510.3	121.1	157.4	1,233.5	1,083.4	12.80	381.20	1,483	745.5	334.20	369.40
MEAN	40.2	17.0	3.91	5.08	44.1	34.9	.43	12.3	49.4	24.0	10.8	12.3
MAX	120	46	5.9	9.9	141	122	2.1	158	130	68	65	37
MIN	1.4	1.2	2.5	2.6	6.6	2.8	.20	.30	10	4.4	.40	.50
CFSM	.96	.45	.09	.12	1.05	.83	.01	.29	1.18	.57	.26	.29
IN.	1.11	.41	.11	.14	1.09	.96	.01	.34	1.32	.66	.30	.33
CAL YR 1962	TOTAL	13,568.40	MEAN	37.2	MAX	338	MIN	.10	CFSM	.89	IN	12.04
WAT YR 1963	TOTAL	7,678.90	MEAN	21.0	MAX	158	MIN	.20	CFSM	.50	IN	6.82

2-2962 23 Little Charley Bowlegs Creek near Sebring, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	.40	20	25	22	26	13	4.3	.60	1.7	25	45
2	9.0	.40	18	25	20	24	10	44	.60	11	21	88
3	8.7	.40	17	23	19	23	8.7	66	.70	41	27	248
4	17	.40	15	22	42	20	7.3	95	.60	52	22	264
5	37	.40	14	20	46	17	6.2	64	.60	53	18	216
6	22	.40	12	16	58	14	5.1	44	.70	49	34	157
7	16	.40	12	20	64	11	4.0	35	.60	43	47	118
8	9.6	.40	10	27	71	9.3	3.0	28	.50	36	69	101
9	6.4	.40	9.6	51	68	7.8	2.6	25	.60	27	83	88
10	6.2	6.7	8.7	34	64	7.1	2.3	20	.80	19	80	87
11	2.7	15	7.8	31	59	6.2	2.2	9.2	1.0	14	78	88
12	2.2	22	7.3	40	54	6.0	2.0	6.1	1.0	8.9	70	112
13	2.0	23	7.1	50	50	5.5	1.9	6.1	1.1	5.9	63	180
14	1.9	22	6.8	48	46	5.1	1.7	6.3	1.1	4.0	59	172
15	1.9	22	6.6	44	42	4.8	1.7	7.2	1.1	3.0	58	145
16	1.9	19	6.4	41	39	4.6	1.5	7.2	1.1	2.4	58	133
17	1.7	17	13	40	34	5.1	1.3	6.3	1.0	2.2	55	122
18	1.5	15	19	39	34	6.6	1.2	5.4	1.0	2.1	50	108
19	1.7	13	20	35	19	7.1	1.1	4.8	.80	1.9	50	96
20	1.7	11	22	34	23	6.8	.90	3.8	.80	1.6	57	87
21	1.4	9.6	20	33	31	6.4	.90	2.7	.80	1.6	54	80
22	1.2	8.1	20	31	32	5.5	.60	2.0	.70	21	51	73
23	.90	7.1	20	30	32	5.1	.50	1.7	.60	67	51	66
24	.70	6.4	29	29	30	4.4	.40	1.4	.50	70	66	62
25	.70	8.1	29	28	29	3.9	.40	1.1	.40	75	70	58
26	.60	20	28	19	28	3.5	60	1.0	.40	86	66	54
27	.50	22	26	8.7	28	3.4	1.3	.90	.40	75	116	51
28	.50	22	25	19	27	4.9	1.6	.80	.60	61	106	48
29	.40	23	23	25	28	19	1.5	.70	.90	51	91	45
30	.40	22	20	25	-----	19	.90	.70	.70	41	78	42
31	.50	-----	25	24	-----	16	-----	.60	-----	32	70	-----
TOTAL	179.90	337.60	517.5	936.7	1,139	308.1	86.40	500.30	22.30	959.3	1,843	3,234
MEAN	5.80	11.3	16.7	30.2	39.3	9.94	2.88	16.1	.74	30.9	59.5	108
MAX	37	23	29	51	71	26	95	1.1	.86	116	264	264
MIN	.40	6.4	8.7	19	19	3.4	.40	.60	.40	1.6	18	42
CFSM	.14	.27	.40	.72	.94	.24	.07	.39	.02	.74	1.42	2.57
IN.	.16	.30	.40	.83	1.01	.27	.08	.44	.02	.85	1.64	2.87
CAL YR 1963	TOTAL	6,835.40	MEAN	16.7	MAX	158	MIN	.20	CFSM	.45	IN	6.07
WAT YR 1964	TOTAL	10,064.13	MEAN	27.5	MAX	264	MIN	.40	CFSM	.66	IN	8.93

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	38	.50	.70	3.3	1.9	4.3	18	1.5	.30	47	74	12
2	21	.50	3.2	2.3	3.8	13	1.4	.20	.42	75	14	19
3	21	.50	2.1	3.1	4.8	34	9.3	1.4	.70	39	73	19
4	25	.50	5.9	3.1	4.6	31	6.3	1.4	.10	34	68	14
5	16	.40	27	2.9	4.8	27	4.8	1.3	.10	34	65	11
6	21	.40	32	2.6	5.0	25	3.3	1.3	.10	31	66	11
7	25	.40	32	2.4	19	21	2.6	1.4	0	35	60	8.5
8	25	.50	32	2.2	21	18	2.2	1.2	.10	44	55	25
9	24	.40	30	2.0	19	14	2.0	1.1	.40	73	50	45
10	2.7	.40	27	1.9	13	11	2.0	1.0	.70	66	51	41
11	19	.40	75	1.8	15	9.3	2.0	.80	2.5	54	67	32
12	20	.40	22	1.7	13	7.2	2.0	.70	7.4	44	68	12
13	18	.40	19	1.6	11	6.1	2.0	.60	17	38	64	20
14	16	.40	18	1.6	8.5	5.4	2.0	.60	26	37	58	18
15	15	.30	15	2.2	7.0	6.7	1.7	.60	27	49	52	14
16	12	.30	12	3.2	5.9	8.2	1.5	.60	25	43	47	13
17	9.7	.20	10	3.1	4.9	6.5	1.4	.50	22	43	44	13
18	7.2	.20	8.5	2.9	4.2	5.0	1.3	.50	38	43	44	12
19	5.0	.20	7.4	2.9	3.7	4.2	1.1	.50	51	36	41	10
20	3.7	.20	6.3	2.9	3.1	3.5	1.0	.40	48	30	37	9.3
21	4.1	.20	5.6	2.7	2.7	3.1	1.0	.40	43	27	34	7.4
22	2.7	.20	5.2	2.6	2.6	2.9	1.0	.30	39	35	31	6.3
23	2.4	.20	4.4	2.6	2.3	3.2	.80	.30	45	39	18	5.9
24	2.3	.20	4.2	2.9	57	4.8	.80	.30	45	39	23	5.9
25	2.1	.20	3.6	3.0	60	4.0	1.0	.30	65	37	22	16
26	1.9	.20	3.6	2.9	59	3.2	1.2	.20	65	36	16	32
27	1.5	.20	5.6	2.9	55	3.1	1.5	.10	88	58	7.8	57
28	1.0	.30	5.0	2.5	49	5.8	1.5	.10	81	55	7.2	67
29	.70	.50	4.6	2.3	-----	14	1.7	.10	67	53	5.6	60
30	.60	.40	4.0	2.2	-----	22	1.6	.60	58	66	7.2	56
31	.60	-----	3.7	2.1	-----	22	-----	.40	-----	72	11	-----
TOTAL	382.50	10.10	387.00	79.1	483.0	412.2	91.60	21.70	862.10	1,379	1,341.8	662.3
MEAN	12.3	.34	12.5	2.55	17.3	13.3	3.05	.70	28.7	44.5	43.3	22.1
MAX	38	50	32	3.3	60	43	18	1.5	88	73	75	62
MIN	.60	.20	.70	1.6	1.9	2.9	.80	.10	0	27	5.6	5.9
CFSM	.29	.008	.30	.06	.41	.32	.07	.02	.69	1.06	1.03	.53
IN	.34	.009	.34	.07	.43	.37	.08	.02	.77	1.22	1.19	.59
CAL YR 1964	TOTAL	9,808.70	MEAN	26.8	MAX	264	MIN	.20	CFSM	.64	IN	8.71
WAT YR 1965	TOTAL	6,112.40	MEAN	16.7	MAX	88	MIN	0	CFSM	.40	IN	5.43

## 2-2965 Charlie Creek near Gardner, Fla

Location --Lat 27°22'29", long 81°47'48", in SE<sup>1</sup> sec 3, T 36 S, R 25 E, near left bank on downstream side of bridge pier on U S Highway 17, 1.6 miles north of Gardner, Hardee County, and 4.5 miles upstream from mouth

Drainage area --330 sq mi

Records available --April 1950 to September 1965 Prior to October 1957, published as Charlie Apopka Creek near Gardner

Gage --Digital water-stage recorder Datum of gage is 21.66 ft above mean sea level, datum of 1929 Prior to Apr 28, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 325 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	July 13, 1961	a 1,050	b 15.34	May 24, 1961	3.9	2.92
1962	Sept 22, 1962	5,900	17.16	Many days	1.6	c 2.55
1963	June 26, 1963	1,680	12.16	May 17, 1963	1.6	2.60
1964	Sept 14, 1964	1,390	11.19	June 21, 1964	2.8	2.36
1965	July 18, 1965	1,300	10.61	June 5, 6, 1965	3.6	2.20

a Maximum peak discharge, maximum discharge during year, 2,850 cfs Oct 1, 1960, stage falling

b Occurred Oct 1, 1960

c Occurred May 29, 1962

1950-65 Maximum discharge, 8,160 cfs Aug 1, 1960 (gage height, 18.77 ft), minimum, 0.30 cfs Aug 6-8, 1950, minimum gage height, 2.20 ft June 5, 6, 1965

Flood of 1928 reached a stage of 24.2 ft, from information by local resident

Remarks --Records good prior to Oct 1, 1964, fair thereafter Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,610	284	30	21	88	68	387	11	14	327	67	155
2	2,700	299	26	21	82	67	359	11	10	266	69	253
3	2,550	275	27	21	79	64	324	16	8.1	226	66	253
4	2,340	248	26	20	85	60	293	15	6.6	280	59	295
5	2,120	228	24	20	85	54	254	12	5.8	339	59	246
6	1,830	211	24	20	80	49	207	11	5.2	355	50	208
7	1,640	198	24	20	85	44	177	9.9	5.5	327	43	177
8	1,610	184	22	20	152	40	170	8.7	21	321	39	144
9	1,620	170	22	24	192	35	148	8.7	27	332	38	134
10	1,580	159	21	33	179	33	131	14	19	268	35	134
11	1,510	148	21	38	159	21	116	17	15	273	30	133
12	1,500	134	22	35	138	32	101	14	22	617	28	131
13	1,550	128	22	62	128	33	88	11	111	1,020	26	143
14	1,560	120	18	146	124	100	79	9.6	84	923	25	132
15	1,520	106	21	203	122	133	68	8.4	146	702	23	111
16	1,440	95	24	223	118	120	60	7.5	266	546	85	95
17	1,300	86	27	253	112	119	51	6.9	250	421	123	86
18	1,140	81	24	266	106	129	43	6.3	278	329	87	76
19	966	73	20	262	97	140	39	5.8	252	287	61	68
20	798	68	17	242	88	186	28	5.5	191	295	45	63
21	669	62	27	223	77	273	36	5.2	130	249	37	57
22	568	57	24	208	72	454	24	4.4	97	255	33	53
23	440	54	22	192	71	586	22	4.2	84	265	45	50
24	401	48	21	176	75	595	20	4.4	71	273	39	46
25	344	46	21	162	75	527	19	4.7	91	239	42	41
26	300	43	21	149	72	421	17	12	225	207	54	37
27	266	40	21	134	70	318	15	19	359	169	134	35
28	237	38	21	124	69	241	13	18	414	137	208	32
29	211	34	21	112	-----	184	13	41	413	110	258	29
30	187	33	21	105	-----	151	12	39	384	93	249	26
31	191	-----	21	96	-----	155	-----	22	-----	78	257	-----
TOTAL	37,938	3,750	705	3,671	2,880	5,432	3,314	583.2	4,005.2	10,529	2,414	3,543
MEAN	1,224	125	22.7	118	103	175	110	12.4	134	340	77.9	118
MAX	2,810	299	30	266	192	595	387	41	414	1,020	258	295
MIN	187	33	17	20	69	21	12	4.2	5.2	78	23	26
CFSM	3.71	.38	.07	.36	.31	.53	.33	.04	.40	1.03	.24	.36
IN.	4.28	.42	.08	.41	.32	.61	.37	.04	.45	1.19	.27	.40

CAL YR 1960 TOTAL 236,434 MEAN 646 MAX 7,820 MIN 14 CFSM 1.96 IN 26.65  
 MAY YR 1961 TOTAL 78,564.4 MEAN 215 MAX 2,810 MIN 4.2 CFSM .65 IN 8.85

## 2-2965 Charlie Creek near Gardner, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25	10	5.2	4.9	4.9	4.1	10	5.2	3.1	719	78	1,710
2	21	4.3	4.9	5.5	4.6	3.3	14	20	5.3	729	77	1,470
3	20	4.6	4.9	4.2	4.6	3.8	20	9.7	5.2	796	94	1,790
4	18	3.6	4.9	4.9	4.6	3.3	16	7.7	5.3	827	107	1,670
5	17	4.0	4.6	4.9	5.2	3.3	15	12	24	698	98	1,470
6	15	4.0	4.6	6.1	8.0	2.2	24	10	14	551	126	1,470
7	14	6.6	4.6	7.6	7.7	2.2	10	6.6	7.7	439	144	1,370
8	12	4.6	4.6	6.6	7.6	2.2	62	6.6	7.7	347	160	1,240
9	12	7.0	4.6	7.7	7.4	2.2	61	6.1	226	283	350	1,250
10	11	7.4	4.6	7.4	7.7	2.2	47	5.5	122	292	361	1,240
11	10	7.0	4.6	7.0	8.4	2.2	49	4.9	128	613	409	1,140
12	9.7	6.6	4.6	7.0	8.6	1.9	63	4.4	406	692	597	1,010
13	9.7	5.1	5.4	7.0	7.7	1.6	66	4.4	500	780	468	917
14	11	6.1	6.6	7.0	7.6	1.7	86	3.6	274	815	487	880
15	10	7.4	7.4	7.0	7.4	1.1	84	3.3	158	696	441	918
16	12	5.5	7.0	6.6	6.6	2.2	68	3.0	136	613	346	930
17	26	4.9	6.6	6.6	6.6	2.2	53	2.7	226	549	410	787
18	37	4.9	6.1	6.1	6.3	2.2	41	2.7	882	489	394	625
19	37	4.9	6.1	6.1	6.1	2.2	33	2.5	894	442	551	503
20	33	4.4	6.3	6.1	5.4	2.2	26	2.2	858	406	511	582
21	27	4.4	6.3	6.1	5.2	2.2	20	2.1	971	367	529	3,400
22	27	4.1	6.1	5.6	5.2	2.2	16	2.1	824	333	582	5,640
23	22	5.2	5.8	5.4	4.1	3.0	13	2.5	904	297	559	4,800
24	21	7.7	5.5	5.4	4.6	3.3	11	2.3	764	265	539	4,100
25	19	6.6	5.5	5.5	4.6	7.7	9.3	2.7	647	224	686	3,390
26	17	6.6	5.2	4.5	4.4	5.1	8.0	2.5	629	186	884	2,810
27	15	4.3	4.9	5.5	4.4	4.3	7.7	3.7	696	156	992	2,470
28	14	6.1	5.2	5.8	4.4	3.0	7.0	2.1	678	131	1,050	2,130
29	12	5.6	4.9	5.8	-----	19	6.3	2.6	719	116	1,210	1,730
30	12	5.0	4.9	5.2	-----	14	6.1	4.9	815	163	1,270	1,350
31	11	-----	4.6	4.2	-----	17	-----	3.6	-----	100	1,600	-----
TOTAL	554.4	194.6	166.9	191.0	170.8	243.8	954.4	155.0	12,582.6	14,114	15,715	54,926
MEAN	17.7	6.3	5.36	6.16	5.51	7.86	31.4	5.00	419	455	507	1,831
MAX	47	10	7.4	8.6	8.6	9.1	86	7.0	971	827	1,400	5,630
MIN	4.7	4.1	4.6	4.9	4.4	1.6	6.1	2.1	3.1	102	72	503
CFSM	.05	.02	.02	.02	.02	.02	.10	.02	1.27	1.38	1.54	5.55
IN.	.06	.07	.02	.02	.02	.03	.11	.02	1.42	1.59	1.77	6.19
CAL YR 1961	TOTAL	37,091.3	MEAN	102	MAX	1,020	MIN	4.1	CFSM	31	IN	4.18
WAT YR 1962	TOTAL	99,972.5	MEAN	274	MAX	5,630	MIN	1.6	CFSM	83	IN	11.27

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,140	35	37	42	65	1,070	22	4.6	302	1,230	91	100
2	682	32	35	39	63	1,070	18	6.3	452	1,090	83	79
3	71.6	30	32	34	59	1,010	17	7.0	442	925	105	73
4	495	28	30	34	62	870	15	7.4	394	740	138	66
5	491	26	26	32	119	730	14	6.1	343	580	146	80
6	409	25	27	31	113	603	13	5.5	339	457	133	108
7	349	23	26	31	101	4.3	13	3.2	332	357	108	15
8	294	26	25	33	95	380	12	4.2	290	275	87	73
9	261	108	26	32	87	319	12	4.9	235	215	68	85
10	237	189	25	30	62	301	11	4.6	215	178	56	206
11	212	151	23	28	78	276	10	3.8	201	157	49	274
12	189	137	23	27	105	747	9.3	3.8	174	137	51	264
13	168	141	21	27	198	210	8.6	3.8	154	122	44	201
14	152	142	21	29	131	162	8.4	2.5	150	109	39	135
15	137	136	20	32	194	157	7.7	2.5	147	97	34	89
16	123	126	20	36	221	137	7.4	2.1	152	108	29	66
17	109	114	20	37	281	121	6.6	1.9	275	136	33	56
18	99	104	20	35	312	108	6.3	2.2	279	145	71	102
19	87	95	20	33	364	94	5.8	2.2	277	179	88	319
20	76	86	20	33	342	80	5.8	2.2	258	216	76	404
21	71	78	20	34	346	70	5.5	8.4	230	222	83	376
22	67	72	19	40	566	61	5.5	6.6	190	198	154	436
23	72	65	18	40	554	54	4.4	22	149	170	178	444
24	67	60	18	39	494	49	4.1	20	505	152	256	452
25	62	55	18	40	415	45	4.1	40	1,490	143	344	470
26	57	51	30	42	525	41	4.1	26	1,640	137	370	476
27	52	47	57	52	1,120	37	4.1	15	1,600	128	340	534
28	47	44	52	58	1,120	34	3.6	22	1,630	118	282	573
29	43	54	61	54	-----	31	3.0	28	1,570	102	552	522
30	40	39	51	64	-----	28	3.0	227	1,390	96	170	492
31	38	-----	46	65	-----	25	-----	222	-----	97	127	-----
TOTAL	7,351	4,306	882	1,194	8,672	8,926	264.3	720.8	15,800	9,016	4,053	7,680
MEAN	237	76.9	28.5	38.5	310	288	8.81	23.3	577	291	131	256
MAX	1,140	189	57	65	1,120	1,070	22	22.5	1,640	1,230	370	573
MIN	38	23	18	27	59	25	3.0	1.9	142	96	29	56
CFSM	.72	.23	.09	.12	.94	.67	.03	.07	1.60	.88	.40	.78
IN.	.83	.26	.10	.13	.98	1.01	.03	.08	1.78	1.02	.46	.87
CAL YR 1962	TOTAL	109,591.6	MEAN	300	MAX	5,630	MIN	1.8	CFSM	.91	IN	12.35
WAT YR 1963	TOTAL	66,865.1	MEAN	183	MAX	1,640	MIN	1.9	CFSM	.56	IN	7.54



## 2-2965 Charlie Creek near Gardner, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	426	15	83	193	139	231	133	118	9.2	17	230	318
2	349	15	90	180	131	229	147	229	8.3	71	170	471
3	290	14	90	166	124	215	159	461	7.8	195	152	495
4	245	13	87	158	140	201	156	547	8.9	268	121	516
5	202	13	81	149	540	185	142	559	10	279	92	590
6	163	14	73	144	766	171	170	495	9.8	250	76	103
7	132	15	66	144	819	153	98	497	9.8	205	72	794
8	112	15	60	195	1,050	1.5	81	370	8.3	158	102	771
9	96	15	54	203	1,070	120	67	242	7.6	116	174	701
10	84	22	50	213	1,050	107	57	177	7.2	84	230	525
11	75	42	45	220	347	94	50	1.6	8.0	64	251	533
12	65	77	42	276	930	82	42	92	11	51	293	549
13	55	91	39	377	675	72	37	72	8.6	40	337	1,270
14	46	107	37	388	908	68	32	43	6.8	32	760	1,390
15	43	121	34	407	461	59	29	60	5.8	26	860	1,350
16	38	123	35	419	416	52	26	55	5.2	21	649	1,340
17	35	115	41	414	559	39	23	49	4.6	20	587	1,290
18	34	103	65	406	371	73	20	45	3.8	20	483	1,210
19	30	90	77	378	388	66	18	40	3.6	15	470	1,170
20	23	79	84	346	377	59	16	35	3.4	17	390	1,050
21	26	70	95	330	352	57	15	30	3.8	9.5	371	935
22	24	61	100	303	434	52	13	27	3.8	8.3	353	810
23	24	55	100	273	361	47	12	24	3.4	51	309	695
24	22	52	145	246	296	43	12	21	3.6	50	267	593
25	21	49	175	221	279	40	12	19	3.4	45	266	486
26	29	47	187	201	260	37	13	17	3.7	156	259	395
27	19	47	206	182	242	34	23	15	3.7	311	299	323
28	19	50	211	170	231	41	31	13	4.2	330	318	272
29	17	60	199	164	233	140	40	13	5.4	352	303	230
30	16	71	181	154	-----	133	45	17	6.0	346	311	195
31	17	-----	180	145	-----	174	-----	11	-----	295	375	-----
TOTAL	2,771	1,905	3,016	7,762	13,905	3,175	1,707	4,339	189.7	3,897.8	9,838	22,170
MEAN	89.4	59.5	97.3	250	479	102	57.0	140	6.29	126	317	739
MAX	426	123	211	419	1,090	231	159	559	11	352	860	1,390
MIN	15	13	35	139	1.4	34	12	3.4	3.4	3.2	72	195
CFSM	27	17	29	76	142	31	17	42	0.02	38	96	2,24
IN.	21	19	34	87	157	36	19	49	0.02	44	1.11	250
CAL YR 1963	TOTAL 61,774.1	MEAN 175	MAX 1,640	MIN 1.9	CFSM .53	IN 7.19						
WAT YR 1964	TOTAL 79,436.5	MEAN 203	MAX 1,390	MIN 3.4	CFSM .62	IN 8.39						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	169	13	19	15	7.4	207	83	26	5.2	265	890	90
2	143	12	19	14	7.8	184	79	22	4.0	234	775	77
3	133	11	16	14	8.9	195	67	18	3.7	197	760	67
4	140	11	14	14	10	495	59	10	3.7	166	653	49
5	150	11	16	13	9.2	877	51	13	3.6	163	666	50
6	118	13	30	17	6.9	1,120	43	11	3.6	213	658	44
7	106	9.8	47	12	9.3	1,120	36	9.4	3.7	394	649	38
8	93	9.5	44	11	12	943	31	8.3	3.7	572	621	40
9	83	8.7	34	10	15	677	27	7.6	5.0	763	579	59
10	74	8.3	34	10	14	507	24	6.9	5.5	1,110	609	85
11	66	8.0	34	9.5	12	955	20	6.4	7.2	917	811	95
12	60	3.0	34	9.5	10	246	18	6.1	13	788	782	103
13	30	7.4	33	9.2	10	178	16	5.8	28	961	761	100
14	52	7.4	32	8.9	10	138	13	5.5	46	1,170	788	87
15	48	7.0	32	9.5	12	119	11	5.1	115	1,110	757	76
16	44	7.0	30	11	13	106	10	4.9	162	1,230	673	65
17	40	6.6	27	11	13	95	8.9	4.5	179	1,230	575	57
18	36	6.2	26	11	13	83	7.9	4.3	254	1,280	545	62
19	37	6.0	24	10	12	72	7.5	4.3	389	1,160	561	97
20	30	5.8	23	10	11	63	6.8	4.2	474	1,010	539	129
21	28	6.0	22	10	11	59	6.8	4.1	429	973	521	131
22	26	5.8	20	9.8	11	51	11	4.0	345	920	425	114
23	24	5.8	19	9.5	41	46	26	4.0	266	1,130	345	94
24	23	6.0	18	10	244	43	18	4.0	297	1,090	275	83
25	20	6.6	17	11	240	44	16	4.1	217	1,010	221	75
26	19	7.6	16	10	263	40	20	4.0	209	919	184	127
27	18	8.3	16	10	247	38	22	4.0	226	750	154	362
28	17	7.6	16	9.5	225	35	26	3.9	253	673	137	495
29	16	11	18	8.6	-----	35	24	3.9	262	674	144	635
30	15	19	17	7.8	-----	44	27	3.9	276	793	120	934
31	14	-----	16	8.0	-----	71	-----	5.2	-----	901	103	-----
TOTAL	1,875	258.0	758	328.8	1,501.0	8,266	815.9	234.4	4,488.9	24,766	16,301	4,532
MEAN	60.5	86.0	24.5	10.6	53.6	267	27.2	7.56	150	799	526	151
MAX	169	19	47	15	263	1,120	83	26	474	1,280	890	934
MIN	14	5.8	14	7.8	7.4	35	6.8	3.9	3.6	163	103	38
CFSM	18	03	07	03	16	81	08	02	45	2.42	1.59	4.46
IN.	21	05	09	04	17	93	10	03	51	2.79	1.84	51
CAL YR 1964	TOTAL 69,875.5	MEAN 191	MAX 1,390	MIN 3.4	CFSM .58	IN 7.87						
WAT YR 1965	TOTAL 64,125.0	MEAN 176	MAX 1,280	MIN 3.6	CFSM .53	IN 7.23						

2-2967 5 (revised) Peace River at Arcadia, Fla

Location --Lat 27°13'19", long 81°52'34", in SE¼ sec 26, T 37 S, R 24 E, on left bank 500 ft upstream from bridge on State Highway 70, 1.0 mile west of post office in Arcadia, De Soto County, and 6.1 miles upstream from Joshua Creek

Drainage area --1,367 sq mi (revised)

Records available --April 1931 to September 1965 Prior to October 1950, published as Peace Creek at Arcadia

Gage --Digital water-stage recorder Datum of gage is 6.00 ft above mean sea level, datum of 1929, Since Mar 20, 1964, staff gage at mean sea level datum Prior to July 19, 1931, staff gage, July 19, 1931, to May 15, 1963, graphic water-stage recorder, and May 16, 1963, to Sept 30, 1963, digital water-stage recorder, at same site at datum 2.25 ft higher

Average discharge --34 years, 1,267 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following Table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 1, 1961	a 2,630	b 12.21	June 7, 1961	173	0.62
1962	Sept 24, 1962	11,200	12.82	May 22, 1962	52	-.24
1963	June 28, 1963	c 4,950	d 9.40	May 20, 1963	116	-.05
1964	Feb 9, 1964	4,280	9.85	June 27, 1964	148	2.09
1965	Aug 15, 1965	4,480	10.06	June 7, 1965	55	1.34

a Maximum independent peak discharge, maximum discharge during year, 9,440 cfs Oct 2, 1960, occurring on recession following peak of Sept 15, 1960

b Occurred Oct 2, 1960

c Maximum peak discharge, maximum discharge during year, 6,140 cfs Oct 1, 1962, stage falling

d Occurred Oct 1, 1962

1931-65 Maximum discharge, 36,200 cfs Sept 9, 1933 (gage height, 19.92 ft, present datum), minimum, 37 cfs May 28, 1949; minimum gage height, 1.34 ft June 7, 1965

Maximum stage known, 20.6 ft (present datum) in 1912, from information by county engineer (discharge, 43,000 cfs, from rating curve extended above 30,000 cfs)

Remarks --Records good Records of chemical analyses and water temperatures for the water years 1961-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

CAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,130	1,820	473	379	480	517	837	222	269	798	378	2,600
2	9,420	2,250	463	369	469	493	947	232	240	990	343	2,520
3	9,340	2,150	456	350	459	473	788	220	201	1,150	349	2,230
4	8,980	1,860	446	347	527	459	704	215	184	1,030	381	1,910
5	8,450	1,640	442	340	701	449	636	213	177	1,000	395	1,620
6	7,780	1,480	429	334	658	446	578	210	180	946	372	1,370
7	7,080	1,350	425	344	612	425	524	218	182	954	343	1,220
8	6,590	1,250	409	353	998	409	520	213	205	739	306	1,070
9	6,320	1,150	386	369	1,600	386	531	215	220	693	283	968
10	6,210	1,090	392	419	1,980	353	551	274	215	622	272	973
11	6,080	1,040	399	490	1,920	318	541	511	213	598	266	1,030
12	5,970	978	419	493	1,580	293	537	475	225	726	266	1,050
13	5,890	913	424	679	1,340	315	541	385	292	1,300	256	973
14	5,770	875	446	955	1,150	524	541	333	402	1,470	238	907
15	5,640	845	432	1,010	1,000	936	526	303	468	1,400	228	824
16	5,570	814	429	932	898	966	461	274	681	1,460	258	722
17	5,400	780	490	864	807	864	415	256	673	1,210	346	626
18	5,050	755	483	826	737	740	388	250	626	1,010	504	572
19	4,650	737	466	780	690	658	375	238	587	872	626	541
20	3,770	715	452	726	647	626	349	215	497	811	714	515
21	3,140	697	439	676	605	769	318	196	398	802	689	486
22	2,780	683	456	640	575	947	297	191	321	781	714	446
23	2,540	647	459	612	599	1,040	283	189	272	755	718	395
24	2,270	622	459	588	629	1,040	288	184	324	768	677	358
25	2,040	609	456	558	599	966	286	180	450	743	669	343
26	1,840	599	456	541	548	848	272	208	519	697	739	321
27	1,680	588	469	520	527	737	253	238	614	641	1,110	288
28	1,580	565	442	503	524	647	243	261	701	637	1,770	263
29	1,500	534	402	493	-----	571	232	274	760	583	2,450	243
30	1,420	510	386	476	-----	503	225	306	772	486	2,560	228
31	1,400	-----	382	480	-----	473	-----	288	-----	426	2,560	-----
TOTAL	155,060	30,546	13,572	17,446	23,859	19,191	14,007	7,987	11,868	26,998	21,780	27,616
MEAN	5,002	1,018	438	564	752	619	447	258	396	871	703	921
MAX	9,420	2,250	490	1,010	1,980	1,040	947	511	772	1,470	2,560	2,600
MIN	1,400	510	382	334	459	293	225	180	177	426	228	228
CFSM	3.66	.74	.32	.41	.62	.45	.34	.19	.29	.64	.51	.67
IN.	4.22	.83	.37	.47	.65	.52	.38	.22	.32	.73	.59	.75
CAL YR 1960: TOTAL	997,888			MEAN 2,726	MAX 20,900	MIN 292		CFSM 1.99	IN 27.15			
WAT YR 1961 TOTAL	369,930			MEAN 1,014	MAX 9,420	MIN 177		CFSM .74	IN 10.06			

## 2-2967 5 Peace River at Arcadia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	230	148	100	112	166	132	249	186	151	3,170	592	3,580
2	225	148	92	134	166	130	255	151	191	2,790	542	4,080
3	235	146	86	170	166	116	346	159	289	2,510	640	4,610
4	242	132	90	170	154	100	413	111	283	2,210	736	4,780
5	191	124	98	138	150	98	346	143	448	1,900	808	4,570
6	170	122	100	136	173	102	283	522	652	1,540	828	4,280
7	170	128	102	144	175	128	274	352	458	1,250	868	4,010
8	175	128	94	170	180	128	553	249	308	982	987	3,680
9	182	128	96	208	171	122	908	161	469	808	1,180	3,400
10	180	118	104	201	184	112	688	175	944	728	1,250	3,320
11	164	110	102	184	159	98	550	107	780	928	1,260	3,070
12	157	114	116	177	175	92	704	97	2,190	1,240	1,280	2,650
13	150	118	120	173	193	92	469	90	2,380	1,320	1,370	2,470
14	150	136	124	164	177	98	359	90	1,980	1,480	1,480	2,470
15	193	132	124	164	166	108	320	84	1,350	1,460	1,480	2,510
16	222	112	108	166	164	110	286	83	1,160	1,320	1,460	2,620
17	230	92	106	166	120	458	230	88	2,350	1,200	1,410	2,460
18	220	104	112	173	166	159	239	82	2,740	1,080	1,530	2,350
19	218	100	120	182	177	161	209	72	3,080	960	2,090	1,880
20	191	96	124	170	193	159	177	63	2,850	900	2,250	1,850
21	177	90	132	150	196	159	156	57	2,440	960	2,020	6,420
22	182	90	150	148	191	153	134	53	2,240	1,000	1,860	9,560
23	177	94	142	166	173	141	123	59	2,060	900	1,880	10,600
24	170	96	130	166	159	146	117	72	2,220	784	1,910	11,200
25	166	98	128	159	140	239	112	159	2,210	688	2,430	11,100
26	157	120	138	142	128	346	105	144	1,950	612	2,330	10,700
27	146	142	132	140	126	528	107	112	1,660	553	2,380	10,100
28	142	110	130	132	122	480	108	87	1,500	480	2,340	9,180
29	142	104	126	126	-----	362	114	90	1,620	430	2,330	8,060
30	136	102	112	142	-----	280	141	110	3,050	480	2,710	8,860
31	142	-----	164	148	-----	246	-----	121	-----	668	3,210	-----
TOTAL MEAN	5,612	3,478	3,534	4,921	4,657	5,445	9,098	4,109	46,003	37,351	49,441	158,620
MAX	181	116	114	159	166	176	303	133	1,533	1,205	1,595	5,287
MIN	235	148	150	208	196	528	908	522	3,080	3,170	3,210	11,200
CFSM	13	08	08	12	12	13	22	10	1.12	.88	1.17	3.87
IN-	.15	.09	.10	.13	.13	.13	.25	.11	1.25	1.02	1.35	4.32

CAL YR 1961 TOTAL 183,376 MEAN 502 MAX 2,600 MIN 86 CFMS .37 IN 4.99  
 MAY YR 1962 TOTAL 332,269 MEAN 910 MAX 11,200 MIN 53 CFMS .67 IN 9.04

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,290	798	301	270	333	4,320	389	146	1,840	3,610	910	691
2	5,910	286	292	270	426	4,500	372	166	2,740	2,950	778	613
3	2,660	283	295	274	320	4,530	364	204	1,460	2,460	882	759
4	1,960	283	304	255	349	4,020	358	232	1,330	1,880	1,170	1,050
5	1,560	289	298	233	497	3,290	344	270	1,090	1,410	1,180	944
6	1,340	283	292	233	620	2,720	326	238	1,080	1,170	1,200	857
7	1,160	283	244	244	624	2,370	298	183	925	1,170	1,220	912
8	1,030	263	280	295	525	2,000	288	158	883	795	1,080	894
9	936	362	267	336	480	1,760	294	151	873	754	896	317
10	920	1,030	246	336	420	1,630	274	144	824	658	762	717
11	880	1,020	239	326	375	1,570	270	145	898	559	659	744
12	792	824	233	308	424	1,510	260	139	860	503	590	707
13	716	712	230	286	1,100	1,420	249	125	711	541	564	602
14	648	644	230	289	1,820	1,300	249	126	585	619	572	488
15	588	600	233	308	2,240	1,170	232	135	525	857	656	377
16	542	550	227	336	2,280	1,090	201	139	489	1,100	707	344
17	518	522	224	372	2,050	1,000	187	128	563	1,280	772	322
18	490	486	236	346	1,880	910	183	128	674	1,320	774	577
19	452	452	249	323	1,840	825	178	129	706	1,360	994	1,480
20	430	424	255	295	2,150	765	176	118	760	1,220	1,450	2,270
21	399	406	246	298	2,520	721	174	141	692	960	1,860	2,710
22	385	388	252	323	2,510	677	160	128	629	835	2,090	3,130
23	427	372	252	359	2,170	629	162	155	846	752	2,260	3,040
24	424	375	236	352	1,780	585	165	202	1,090	931	2,240	2,610
25	402	359	239	342	1,440	537	162	251	2,350	1,560	2,080	2,570
26	368	333	255	355	1,420	509	158	214	3,590	1,870	1,840	2,660
27	352	304	317	355	2,790	486	151	336	4,290	1,690	1,620	2,600
28	320	289	308	382	3,820	462	158	515	4,850	1,270	1,410	2,590
29	311	289	274	402	-----	445	151	1,020	4,840	934	1,180	2,590
30	308	282	267	385	-----	442	142	1,260	4,340	862	963	2,270
31	301	-----	276	362	-----	414	-----	1,750	-----	871	810	-----
TOTAL MEAN	30,719	13,335	8,127	9,852	39,055	48,657	7,075	9,174	46,333	38,538	36,169	42,935
MAX	991	445	262	318	1,395	1,570	236	296	1,544	1,243	1,167	1,431
MIN	5,290	1,030	317	402	3,820	4,600	389	1,750	4,850	3,610	2,260	3,130
CFSM	301	277	224	323	320	414	162	118	489	503	564	322
IN-	.72	.33	.19	.23	1.02	1.15	.17	.22	1.13	.91	.85	1.05
IN-	.84	.36	.22	.27	1.06	1.32	.19	.25	1.26	1.05	.98	1.17

CAL YR 1962 TOTAL 371,826 MEAN 1,019 MAX 11,200 MIN 53 CFMS .75 IN 10.12  
 MAY YR 1963 TOTAL 329,969 MEAN 904 MAX 5,290 MIN 118 CFMS .66 IN 8.98

## 2-2967 5 Peace River at Arcadia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	1,950	700	700	763	1,110	1,740	2,090	2,72	232	271	654	793
2	1,620	200	673	705	1,070	1,710	1,610	785	243	372	535	868
3	1,350	196	632	709	1,020	1,360	1,240	1,540	204	633	445	1,130
4	1,130	110	548	675	1,030	1,410	1,040	2,120	192	1,040	397	1,630
5	970	202	425	621	1,060	1,790	918	2,370	181	983	363	2,570
6	830	217	374	585	3,070	1,170	825	2,010	182	815	315	3,390
7	695	225	357	652	3,600	1,070	742	1,550	200	613	441	3,680
8	578	247	349	923	4,940	969	681	1,210	238	447	443	3,520
9	504	252	346	1,130	4,230	928	607	967	254	354	418	2,990
10	466	263	338	1,130	4,140	880	550	794	241	296	551	2,390
11	415	398	315	1,070	3,760	807	518	685	274	269	677	2,340
12	376	1,960	300	1,100	3,260	743	473	575	268	229	925	2,310
13	338	2,540	291	1,650	2,790	705	457	486	239	207	1,060	3,070
14	310	2,470	297	2,220	2,810	686	457	441	207	205	1,160	3,460
15	307	1,900	286	2,500	2,100	568	443	412	188	193	1,440	3,760
16	290	1,280	292	2,340	1,870	663	423	395	168	171	1,390	4,030
17	280	1,020	338	2,330	1,720	823	396	372	158	159	1,370	4,180
18	273	666	615	2,090	1,650	1,050	382	351	176	168	1,380	4,100
19	268	756	659	1,920	1,990	632	317	313	179	179	1,320	2,050
20	257	677	623	1,800	2,100	916	346	333	173	233	1,030	3,400
21	243	514	641	1,720	2,770	811	344	326	182	201	1,140	2,900
22	234	505	650	1,640	2,180	760	343	320	203	176	1,280	2,420
23	232	556	659	1,550	1,610	778	313	190	179	179	1,110	3,460
24	228	444	776	1,460	1,830	492	300	206	182	286	1,380	1,760
25	223	560	1,150	1,390	1,700	434	292	305	175	395	1,160	1,530
26	234	664	1,240	1,310	1,570	398	272	236	158	475	928	1,330
27	223	704	1,180	1,240	1,460	376	270	236	158	475	928	1,330
28	219	1,040	1,180	1,410	1,410	401	278	253	176	1,061	752	1,090
29	214	691	880	1,190	1,530	456	277	244	268	971	746	1,000
30	212	691	772	1,190	-----	1,940	634	254	224	945	752	936
31	210	-----	722	1,160	-----	2,740	-----	240	-----	767	771	-----
TOTAL	15,689	22,766	13,195	42,343	64,700	30,310	18,952	21,407	6,124	14,266	27,135	73,807
MEAN	506	726	587	1,360	2,031	978	635	691	204	460	876	2,460
MAX	1,950	2,540	1,240	2,540	4,230	2,740	2,090	2,320	274	1,060	1,440	4,180
MIN	210	190	286	585	1,020	376	272	240	154	159	315	793
CFSM	.37	.56	.43	1.00	1.63	.72	.46	.51	.15	.34	.64	1.80
IN.	.43	.62	.50	1.15	1.76	.82	.52	.58	.17	.39	.74	2.01
CAL YR 1963	TOTAL 334,456			MEAN 916	MAX 4,850	MIN 118	CFSM .67	IN 9.10				
WAT YR 1964	TOTAL 355,734			MEAN 972	MAX 4,230	MIN 154	CFSM .71	IN 9.68				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

LAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	864	722	474	224	208	711	456	164	76	877	3,740	1,120
2	832	882	200	220	224	857	440	74	765	3,530	1,090	
3	787	214	310	208	238	1,020	386	114	69	1,160	3,650	1,080
4	709	235	294	206	279	2,180	351	109	70	1,220	3,430	1,010
5	763	743	273	208	271	3,250	327	163	71	913	3,000	922
6	766	243	303	202	291	3,620	296	97	63	1,210	2,930	837
7	733	226	458	210	288	3,710	270	94	56	1,350	2,940	751
8	693	206	499	208	327	2,960	261	95	69	1,860	2,660	702
9	657	196	426	216	386	2,110	248	91	77	2,800	2,200	605
10	648	198	363	212	357	1,010	240	86	81	3,480	2,320	967
11	625	216	324	204	321	1,790	253	87	126	3,360	3,240	1,040
12	603	220	314	206	291	1,060	248	92	218	2,710	3,480	1,040
13	589	210	300	220	253	868	243	90	393	3,100	3,910	940
14	571	214	270	235	238	738	224	87	478	3,460	4,370	837
15	554	204	279	243	224	652	218	94	403	3,420	4,430	733
16	535	190	285	285	226	607	217	49	393	3,290	4,160	657
17	499	202	280	321	220	567	202	92	379	3,220	3,600	625
18	470	206	279	315	218	517	190	86	553	2,960	3,170	625
19	434	222	264	279	218	466	174	85	1,060	2,910	2,830	634
20	393	226	250	250	208	446	156	91	1,270	3,350	2,550	639
21	369	220	240	250	200	400	142	89	1,150	3,350	2,320	567
22	360	202	243	264	192	372	166	92	900	3,190	2,060	486
23	369	192	240	267	248	363	168	85	688	3,680	1,840	418
24	368	208	243	255	325	354	178	85	994	4,290	1,720	366
25	327	233	235	240	1,110	354	190	88	1,290	4,230	1,590	369
26	315	218	230	245	1,050	345	174	84	1,200	3,900	1,450	382
27	309	238	233	250	900	324	162	85	1,300	3,640	1,350	706
28	285	235	236	245	805	305	164	82	1,150	3,510	1,300	1,110
29	279	238	216	238	-----	357	176	78	1,070	3,750	1,390	1,330
30	270	372	220	238	-----	486	182	84	1,000	4,100	1,340	1,800
31	261	-----	222	224	-----	462	-----	78	-----	4,230	1,210	-----
TOTAL	16,290	6,671	9,207	7,380	10,476	33,362	7,065	7,928	16,721	89,265	83,700	24,673
MEAN	525	222	297	238	374	1,076	226	94.5	537	2,880	2,700	822
MAX	864	772	499	321	1,110	3,820	454	164	1,300	4,290	4,430	1,800
MIN	261	190	216	202	192	306	142	78	56	765	1,210	366
CFSM	.38	.16	.22	.17	.27	.79	.17	.07	2.11	1.98	.60	.60
IN.	.44	.18	.25	.20	.29	.91	.19	.08	.45	2.43	2.28	.67
CAL YR 1964	TOTAL 331,232			MEAN 905	MAX 4,230	MIN 154	CFSM .66	IN 9.01				
WAT YR 1965	TOTAL 307,738			MEAN 843	MAX 4,430	MIN 56	CFSM .62	IN 8.37				

## PEACE RIVER BASIN

2-2971 (revised) Joshua Creek at Nocatee, Fla

Location --Lat 27°09'59", long 81°52'47", in SE $\frac{1}{4}$  sec 14, T 38 S, R 24 E, near center of span on downstream side of bridge on U S Highway 17, 0.5 mile north of Nocatee, De Soto County, and 2 miles upstream from mouth

Drainage area --132 sq mi (revised)

Records available --April 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 3.94 ft above mean sea level, datum of 1929 Prior to Apr 28, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 117 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,000 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Jan 14, 1961	1130	* 986	a 11 09	June 27, 1963	1100	* 948	11 46	Sept 14, 1964	0300	1,610	13 41
Sept 22, 1962	0200	* 8,220	19 05	Sept 10, 1964	2100	* 1,980	14 19	July 31, 1965	2000	* 960	11 50

a Maximum stage during water year, 12 14 ft on Oct 2, 1960 (backwater from Peace River)

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 23-25, 1961	1 2	3 95	1964	June 2, 3, 1964	1 8	3 69
1962	May 19-22, 1962	80	3 67	1965	June 3-5, 1965	30	3 74
1963	May 12, 1963	70	a 3 67				

a Occurred Apr 29, 30, 1963

1950-65 Maximum discharge, 8,670 cfs Oct 10, 1953, maximum gage height, 19 05 ft  
Sept 22, 1962, no flow Nov 18-20, 22-24, 1953, May 3-12, 14, 15, 1959, minimum gage height,  
3 67 ft May 19-22, 1962, Apr 29, 30, 1963

Flood in September 1948 reached a stage of 17 7 ft, from information by local residents

Remarks --Records good except those for periods of shifting control, which are poor Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 1334 1952 (M)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	692	202	10	10	19	14	97	4 7	35	73	20	374
2	767	288	9.5	10	19	13	70	6.4	26	55	18	319
3	630	218	9.0	10	21	13	40	6.8	21	45	15	263
4	508	154	8.8	9.8	46	14	30	5.4	18	38	13	213
5	384	123	8.8	9.5	42	14	23	4.3	15	32	14	170
6	272	100	8.5	9.5	32	13	20	3.5	13	27	13	184
7	276	83	8.5	9.8	34	12	17	2.8	14	24	12	154
8	568	67	8.2	9.8	104	12	16	2.6	20	42	16	110
9	903	55	8.5	12	85	11	14	2.8	18	78	27	88
10	758	46	8.2	16	71	10	14	9 8	14	132	28	100
11	552	40	9.0	15	61	9.5	13	11	12	136	28	110
12	363	35	11	14	43	9.3	12	9.4	10	106	25	95
13	315	31	10	284	32	10	12	7.1	10	90	20	79
14	343	27	9.8	498	26	49	11	5.4	9.0	83	16	65
15	235	24	10	627	23	50	11	3.8	20	74	14	53
16	105	22	17	400	21	36	10	2.8	20	62	13	44
17	52	20	16	282	19	29	10	2.4	15	48	52	41
18	46	19	13	192	18	23	9.5	2.2	18	39	106	41
19	67	17	12	129	17	20	10	2.0	16	38	110	38
20	88	16	11	101	16	19	8.8	1.9	13	44	82	34
21	116	15	11	80	16	18	8.2	1.7	9.8	49	62	31
22	108	14	13	63	16	16	7.4	1.5	14	55	56	27
23	85	13	12	51	24	14	7.4	1.4	15	64	131	24
24	72	13	12	43	22	13	7 1	1.2	14	56	109	20
25	57	12	11	38	18	12	6.8	1 2	22	50	82	18
26	45	12	11	34	16	11	6.1	16	36	54	93	16
27	37	11	11	31	15	10	5.7	22	58	42	75	14
28	32	11	11	28	14	9.8	5.7	17	79	34	164	12
29	28	10	10	25	-----	9.3	5.4	29	106	31	315	11
30	24	10	10	23	-----	8.8	5.4	89	95	28	436	9.8
31	35	-----	10	21	-----	9.5	-----	53	-----	24	410	-----
TOTAL	8,564	1,708	328.8	3,485.4	890	512.2	513.5	330.1	785.8	1,753	2,575	2,757.8
MEAN	276	56.9	10.6	112	31.8	16.5	17.1	10.6	26.2	56.5	83.1	91.9
MAX	903	288	17	898	104	50	97	89	106	136	436	374
MIN	23	10	8.2	9.5	14	8.8	5.4	1.7	9.0	24	12	9.8
LFSM	2.09	.43	.08	.85	.24	.13	.13	.08	.20	.43	.63	.70
IN.	2.41	.48	.09	.98	.25	.14	.14	.09	.22	.49	.73	.78
CAL YR 1960	TOTAL 68,368.6			MEAN 187	MAX 3,370			MIN 2.7	CFSM 1.42	IN 19.26		
WAT YR 1961	TOTAL 24,203.6			MEAN 66.3	MAX 903			MIN 1.2	CFSM .50	IN 6.82		

Note --Shifting-control method used Oct 3 to Nov 1, Jan 20 to Apr 29

## 2-2971 Joshua Creek at Nocatee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9.2	3.4	3.4	3.1	1.9	1.6	5.0	1.1	9.6	942	45	381
2	8 8	3.3	3.3	3.6	1.9	1.5	8 4	1.1	5.7	900	35	369
3	7.1	2.7	3.1	4.2	1.9	1.6	10	1.1	5.0	990	33	353
4	6.5	2.7	3.0	3.7	1.3	1.6	7.4	1.2	4.8	369	29	299
5	7.1	2.8	3.1	3.7	1.9	1.7	5.5	2.0	18	229	30	432
6	6.7	3.4	3.0	4.6	1.9	1.5	4.2	2.1	19	166	30	176
7	5 5	3.7	2.7	10	2.1	1.4	5.5	2.1	11	132	42	154
8	4.6	3.4	2.7	12	2.1	1.4	11	1.9	8.4	104	56	160
9	4.2	3.3	2.7	10	2.0	1.6	11	1 8	18	100	57	157
10	4.0	3.0	3.0	8.6	10	2.0	8.4	1.5	56	136	73	149
11	3.6	3.1	3.7	7.7	14	2 1	9.6	1.2	72	148	95	147
12	3.9	3.3	2.7	7.7	8.8	2 0	7.4	1.0	246	127	88	160
13	4.0	3.4	2.7	6.5	6.0	1 7	5.7	1.0	313	190	62	185
14	3.9	3.3	2 7	6.2	4.8	1.6	4.2	1.6	250	203	47	151
15	3.7	3.3	2.8	6.0	4.2	1.5	3.6	1.6	214	184	88	164
16	3.4	3.4	2.6	5.2	3.7	1.4	3.1	1.3	188	151	105	146
17	3.3	3.3	2.7	4.2	3.3	1.4	3.0	1.2	342	119	84	132
18	4.0	3 1	2.8	4.2	2.8	1.3	2.6	1.0	376	95	82	113
19	4.6	2.6	3.0	4 2	2.7	1.1	2.5	.80	243	80	113	90
20	4 2	2.4	3.7	3.9	2.5	1 1	2.4	.80	313	67	107	225
21	3.7	2.3	3.4	3.7	2.4	1.1	2.2	.80	446	58	112	4,800
22	3.7	2.4	3.4	3.4	2.2	1.1	2.0	.80	372	61	120	6,900
23	3.9	4.2	3.4	3.1	2.0	1 4	1 7	1.0	240	53	118	3,770
24	3.8	7.7	3.1	3.0	1.9	1.7	1.6	1.3	194	50	149	2,080
25	3.6	6.2	2.7	2.8	1.8	3.8	1.4	1.5	162	54	186	1,360
26	3.3	5.2	2.6	2.8	1.8	33	1.4	1.5	150	65	290	938
27	3.3	4 7	2.8	2.6	1.8	26	1.2	1 5	230	53	188	657
28	3.4	3.7	4.0	2 5	1.7	16	1 2	1.5	265	42	151	497
29	3.7	3.6	3.3	2.3	-----	10	1.1	1.2	249	37	143	343
30	3.7	3.4	3.1	2.1	-----	7.1	1.2	2 2	632	54	216	243
31	3.3	-----	3.0	1.9	-----	6.0	-----	15	-----	58	369	-----
TOTAL	141.3	105.9	94.5	150.1	96.0	138.3	135.5	55.70	5,652.5	5,617	3,343	25,531
MEAN	4.50	3.53	3.05	4.84	3 43	4.46	4.52	1.80	188	181	108	851
MAX	9.2	7.7	4.0	12	14	33	11	15	632	942	169	6,900
MIN	3.3	2.3	2.6	1.9	1.7	1.1	1.1	.80	4.8	37	29	90
CFSM	.03	.03	.02	.04	.03	.03	.03	.01	1.43	1.37	.62	6.45
IN.	.04	.03	.03	.04	.03	.04	.04	.02	1.59	1.58	.94	7.19

CAL YR 1961	TOTAL 13,944.5	MEAN 38.2	MAX 898	MIN 1.2	CFSM .29	IN 3.93
WAT YR 1962	TOTAL 41,060.80	MEAN 112	MAX 6,900	MIN .80	CFSM .85	IN 11.57

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	305	17	16	7.8	15	386	6.1	1.3	35	353	75	18
2	286	16	15	7.5	13	269	5.6	1.8	35	256	19	17
3	217	16	14	7.0	14	211	5.4	3.1	38	267	29	18
4	172	17	13	6.5	40	177	5.1	6.1	51	176	28	16
5	152	17	13	6.5	50	150	4 9	6.1	52	117	21	32
6	118	15	14	7.0	44	109	4.6	3.3	69	92	17	22
7	88	14	13	16	39	84	4.3	2.5	75	76	13	90
8	69	18	12	17	34	66	4.1	2.1	80	63	10	65
9	56	16.4	13	16	31	54	3.9	1.6	99	52	8.2	54
10	54	179	13	13	27	54	3.5	1.3	98	47	6.8	72
11	45	134	12	12	25	52	3.5	.90	81	48	7.5	55
12	38	106	11	11	48	46	3.4	.80	66	44	7.8	33
13	34	88	11	11	71	41	3.3	.80	58	60	6.5	24
14	30	73	10	11	61	36	3.0	.80	60	46	5.8	18
15	26	60	10	14	59	33	2.9	.90	50	51	5.2	14
16	24	51	11	15	59	30	2.8	.90	53	145	4.5	12
17	22	44	12	14	71	27	2.5	1.1	45	90	4.1	10
18	20	38	11	13	65	25	2.5	1.2	34	90	3.7	66
19	19	34	10	17	80	22	2.5	1.2	27	61	4.2	290
20	17	32	9.9	12	122	20	2.5	1.3	22	44	44	353
21	16	30	9.6	16	103	17	2.4	1.5	18	34	117	367
22	18	28	9.0	20	92	15	2.1	1.7	15	28	115	442
23	57	26	9.0	18	75	14	2.1	2.1	20	25	90	541
24	45	24	9.0	16	59	13	2.0	2.9	46	25	63	569
25	36	22	9.6	14	47	12	1.8	2.4	76	84	48	411
26	30	20	10	19	126	12	1.7	2.3	354	93	42	308
27	25	19	10	25	521	11	1.4	2.1	892	48	61	229
28	22	17	9.6	21	503	9.0	1.3	2.6	722	31	73	177
29	20	17	9.3	18	-----	9.0	1.2	8.6	583	23	53	139
30	18	16	9.0	15	-----	8.0	-----	22	468	29	31	112
31	18	-----	8.5	14	-----	7.0	-----	44	-----	33	23	-----
TOTAL	2,097	1,352	346.5	430.3	2,494	2,019.0	93.7	131.30	4,324	2,631	986.3	4,614
MEAN	67.6	43.1	11.2	13.9	89.1	65.1	3.12	4.24	144	84.9	31.8	154
MAX	305	179	16	25	521	386	6.1	4.4	892	353	117	581
MIN	16	14	8.5	6.5	13	7.0	1.2	.80	15	23	3.7	10
CFSM	.51	.34	.08	.11	.67	.49	.02	.03	1.09	.64	.24	1.17
IN.	.59	.38	.10	.12	.70	.57	.03	.04	1.22	.74	.28	1.30

CAL YR 1962	TOTAL 44,514.60	MEAN 122	MAX 6,900	MIN .80	CFSM .92	IN 12.54
WAT YR 1963	TOTAL 21,519.10	MEAN 59.0	MAX 892	MIN .80	CFSM .45	IN 6.06

## 2-2971 Joshua Creek at Nocatee, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	88	4.2	9.8	33	22	43	22	3.3	1.9	19	14	62
2	72	4.6	7.8	30	20	40	13	6.3	1.9	50	54	54
3	61	4.6	7.5	27	19	36	10	6.1	2.0	70	7.5	47
4	91	4.2	7.2	24	31	33	9.0	4.6	2.3	61	6.1	48
5	43	4.1	7.0	22	32.6	31	7.8	4.0	2.6	41	5.1	54
6	36	4.1	6.8	21	71.0	28	7.2	3.7	3.2	36	5.2	83
7	32	3.9	6.3	44	72.8	26	7.0	3.5	3.1	27	7.8	48
8	27	3.6	6.3	38	58.1	24	6.1	3.5	2.7	19	6.1	69
9	24	3.9	6.1	69	41.1	22	5.6	3.3	2.7	14	9.3	86
10	21	15	6.0	56	28.8	21	5.2	3.4	3.0	10	13	1,130
11	18	36	5.6	48	21.1	17	4.9	3.3	4.5	8.0	14	1,500
12	16	52	5.6	66	15.5	17	4.6	3.2	5.4	6.1	15	1,070
13	14	50	5.4	106	11.8	16	4.1	3.2	4.6	5.1	12	1,360
14	12	48	5.6	92	9.5	15	3.9	3.5	3.9	4.3	10	1,490
15	11	31	5.6	83	7.3	13	3.6	3.7	3.4	3.7	11	1,160
16	10	22	5.6	80	6.6	12	3.4	3.4	3.1	3.7	26	990
17	10	19	12	75	5.4	28	3.3	3.2	2.9	3.7	134	930
18	9.6	17	24	72	5.1	35	3.2	3.0	2.7	3.7	321	548
19	8.8	15	22	62	87	31	3.0	2.8	2.5	4.0	352	453
20	7.4	13	19	54	12	31	2.9	2.7	2.5	3.3	264	106
21	6.8	12	17	47	70	31	2.9	2.9	2.5	3.0	224	217
22	6.3	11	16	42	63	27	2.8	2.7	2.3	3.3	244	154
23	5.6	11	15	37	63	23	2.8	2.5	2.2	9.3	267	114
24	5.0	10	27	35	54	20	2.7	2.5	2.1	16	232	91
25	3.4	9.9	28	32	47	16	2.7	2.4	2.1	23	182	74
26	5.2	9.3	25	30	42	14	2.5	2.3	2.3	61	141	60
27	4.9	9.0	23	27	38	13	2.6	2.5	3.0	97	117	50
28	4.7	8.5	21	27	38	14	2.8	2.9	3.4	72	102	43
29	4.4	9.3	19	26	40	15	3.7	2.8	7.2	40	90	38
30	4.5	9.9	18	24	-----	16	3.4	2.4	6.3	26	566	34
31	4.2	-----	26	23	-----	21	-----	2.1	-----	19	73	-----
TOTAL	630.5	456.1	416.4	1,502	4,594	730	156.7	101.5	94.3	762.2	2,995.0	12,413
MEAN	20.3	15.7	13.4	46.5	158	23.5	5.29	3.27	3.14	24.6	96.6	414
MAX	88	52	26	106	778	43	22	6.3	7.2	97	352	1,500
MIN	4.2	3.6	5.4	21	1.9	2	2.5	2.1	1.9	3.0	5.1	34
CFSM	1.15	1.17	1.0	37	1.20	1.8	1.04	1.02	1.02	1.19	1.73	3.13
IN.	1.16	1.13	1.2	4.2	1.29	2.1	1.04	1.03	1.03	1.21	1.84	3.50
CAL YR 1964	TOTAL 13,426.00	MEAN 52.7	MAX 892	MIN 1.80	CFSM 40	IN 5.42						
WAT YR 1964	TOTAL 74,051.7	MEAN 67.9	MAX 1,500	MIN 1.9	CFSM 51	IN 7.00						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	31	9.5	15	6.7	7.0	36	9.8	8.4	70	24	841	64
2	31	8.7	12	8.2	9.0	32	9.0	6.9	50	20	631	76
3	30	9.5	12	7.9	17	36	7.9	5.9	40	19	607	61
4	30	9.2	11	7.6	11	43	7.1	4.9	30	21	554	50
5	35	9.2	11	7.1	10	49	6.8	3.8	40	21	390	40
6	39	7.3	11	6.8	11	9.0	6.0	3.0	50	24	379	34
7	41	7.6	9.6	6.3	13	50	5.5	2.3	50	38	443	30
8	42	6.8	9.0	6.8	18	30	5.2	2.1	2.9	107	354	34
9	40	6.8	8.2	6.8	17	41	4.2	1.9	14	142	336	112
10	38	6.0	8.2	6.0	14	22	3.9	1.5	18	196	825	92
11	34	6.3	7.6	6.5	13	17	3.4	1.5	20	230	859	65
12	32	5.8	7.3	6.8	12	16	3.2	2.0	47	205	712	48
13	31	5.2	6.8	6.8	11	14	2.6	3.2	36	255	488	39
14	31	5.0	6.8	6.5	9.8	48	2.1	3.2	25	397	350	33
15	30	5.0	7.3	7.3	10	182	1.6	2.0	20	460	244	28
16	28	4.7	6.8	10	9.5	117	1.6	1.5	16	440	189	26
17	26	4.5	6.5	10	9.0	67	1.5	1.2	14	368	174	34
18	23	5.0	6.3	9.5	8.4	45	1.2	1.1	36	329	217	34
19	21	4.2	6.0	9.0	8.4	34	1.1	1.0	49	287	174	28
20	19	3.9	5.8	9.0	7.9	27	1.0	1.1	39	376	143	24
21	17	4.2	5.5	8.7	7.3	23	1.80	1.2	28	504	131	21
22	15	4.2	5.5	9.2	8.7	20	1.2	1.1	23	503	98	19
23	14	3.7	5.5	9.5	29	19	2.1	1.2	20	407	78	17
24	13	4.7	5.0	9.5	107	17	2.6	1.1	34	312	66	16
25	12	8.2	4.5	9.0	80	15	4.5	3.1	52	320	55	17
26	12	10	4.7	8.2	59	14	31	3.8	54	368	47	20
27	12	8.7	7.1	7.9	47	13	31	1.7	50	513	40	25
28	11	12	12	7.9	42	12	19	1.80	49	407	35	37
29	11	27	12	6.3	-----	12	13	1.80	40	303	44	38
30	10	20	9.8	6.3	-----	11	10	1.70	31	485	76	63
31	10	-----	9.0	8.2	-----	10	-----	1.80	-----	884	64	-----
TOTAL	769	231.9	255.0	244.3	601.6	1,133.0	200.00	74.70	721.20	8,965	9,656	1,224
MEAN	24.8	7.73	8.23	7.88	21.5	36.5	6.67	2.41	24.0	289	311	40.8
MAX	42	27	15	10	107	182	31	8.4	54	884	859	112
MIN	10	3.7	4.5	6.0	7.3	9.0	1.80	1.0	30	35	35	16
CFSM	1.19	1.06	1.06	1.16	1.28	1.28	1.05	1.02	1.18	2.19	2.36	3.31
IN.	1.22	1.07	1.07	1.07	1.17	1.32	1.06	1.02	1.20	2.53	2.72	3.34
CAL YR 1964	TOTAL 24,606.6	MEAN 67.2	MAX 1,500	MIN 1.9	CFSM 51	IN 6.93						
WAT YR 1965	TOTAL 24,075.70	MEAN 66.0	MAX 884	MIN 1.30	CFSM 50	IN 6.78						

2-2973 1 (revised) Horse Creek near Arcadia, Fla

Location --Lat 27°11'57", long 81°59'19", in NW¼ sec 2, T 38 S, R 23 E, near center of span on downstream side of bridge on State Highway 72, 7.9 miles west of Arcadia, De Soto County, and 10.4 miles upstream from mouth

Drainage area --218 sq mi (revised)

Records available --April 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 10.96 ft above mean sea level, datum of 1929 (State Road Department bench mark) Prior to Apr 28, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 230 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (1,500 cfs), water years 1961-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 3, 1960	0300	* 2,100	12.76	Sept 25, 1963	1300	* 1,090	9.57	July 13, 1965	2330	1,680	11.72
Sept 21, 1962	2030	* 6,690	16.70	Sept 11, 1964	0200	* 970	9.10	July 26, 1965	2045	1,770	11.94
								July 31, 1965	1000	* 1,960	12.43
								Aug 11, 1965	1130	1,770	11.96

Annual minimum discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 25, 1961	1.4	2.08	1964	May 28, June 8, 9, 1964		
1962	May 30, 1962	40	1.65			4.8	1.48
1963	May 19-21, 1963	80	1.67	1965	May 21, 1965	20	1.03

1950-65 Maximum discharge, 11,700 cfs Aug 1, 1960 (gage height, 17.94 ft), no flow June 7-9, 15, 25-30, July 2, Aug 7, 1966, Feb 16-18, 1957, minimum gage height, 1.03 ft May 21, 1965

Maximum stage known since at least 1948, that of Aug 1, 1960

Remarks --Records good Records of chemical analyses for the water years 1962 and 1965 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,180	432	23	24	35	37	198	3.0	3.6	20	265	839
2	1,700	485	21	24	33	35	212	3.0	3.4	17	216	815
3	2,000	361	21	25	33	32	142	3.0	3.0	35	172	730
4	1,590	268	19	25	41	38	94	2.7	3.0	69	156	694
5	1,300	223	19	24	41	37	69	2.6	2.7	68	172	656
6	1,070	195	18	24	39	34	55	2.4	2.6	72	192	554
7	877	171	18	24	45	31	47	2.2	2.6	102	198	453
8	779	148	18	24	132	28	50	2.2	5.7	115	188	402
9	832	130	16	30	203	25	46	2.7	4.1	100	170	170
10	1,240	116	16	38	216	22	43	6.0	3.6	85	148	343
11	1,090	104	16	39	366	20	44	5.1	3.2	81	131	285
12	857	94	17	39	582	18	41	5.1	3.0	119	114	240
13	652	84	18	69	640	18	49	4.3	3.0	111	95	207
14	547	77	19	103	563	44	38	3.6	3.8	96	81	177
15	472	70	19	87	438	66	30	2.9	3.4	86	80	148
16	429	65	25	76	340	63	23	2.6	3.8	76	95	126
17	416	62	26	72	261	56	20	2.4	7.7	72	121	115
18	420	58	25	76	192	59	17	2.2	7.7	68	231	128
19	458	34	23	81	144	42	14	2.1	5.4	73	295	115
20	470	50	22	80	114	107	12	1.9	4.1	103	357	97
21	440	47	22	74	95	106	10	1.8	3.8	103	370	81
22	389	43	23	67	81	88	9.2	1.6	3.4	128	351	67
23	359	40	24	61	72	72	8.0	1.5	3.4	176	364	56
24	294	38	23	56	64	59	7.1	1.5	4.0	157	396	47
25	254	35	23	52	57	49	6.5	1.5	3.6	147	436	42
26	215	33	23	48	51	42	5.7	7.8	4.9	212	538	37
27	185	31	23	45	46	35	4.9	15	6.2	309	483	33
28	162	28	23	42	41	29	4.5	8.4	8.8	387	446	28
29	141	26	23	40	-----	24	4.0	7.1	8.8	415	452	25
30	125	25	24	39	-----	20	3.4	5.4	15	357	501	22
31	159	-----	24	36	-----	19	-----	4.3	-----	313	709	-----
TOTAL	21,077	3,593	653	1,544	4,965	1,395	1,307.3	117.9	141.3	4,272	8,523	7,932
MEAN	680	120	21.1	49.8	177	45.0	43.6	3.80	4.71	138	275	264
MAX	2,000	485	26	103	640	107	212	15	15	415	709	839
MIN	125	25	16	24	33	18	3.4	1.5	2.6	17	80	22
CFSM	3.12	.55	.10	.23	.81	.21	.20	.02	.02	.63	1.26	1.21
IN.	3.60	.61	.11	.26	.85	.24	.22	.02	.02	.73	1.45	1.35

CAL YR 1960. TOTAL 172,364.2 MEAN 471 MAX 10,700 MIN 1.4 CFSM 2.16 IN 29.40  
WAT YR 1961. TOTAL 59,520.5 MEAN 152 MAX 2,000 MIN 1.5 CFSM .10 IN 9.47



## 2-2973 1 Horse Creek near Arcadia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	3.4	2.4	3.4	2.4	1.8	6.9	3.1	.80	630	255	603
2	18	3.1	2.4	3.6	2.4	1.7	13	2.3	.70	524	205	635
3	16	3.1	2.3	3.4	2.0	1.5	16	2.0	.70	432	180	665
4	15	2.9	2.3	3.1	2.0	1.4	15	1.8	1.4	370	168	630
5	14	2.9	2.3	3.4	2.3	1.2	14	3.6	8.8	329	161	614
6	12	2.9	2.3	3.9	2.3	1.0	11	6.9	11	288	209	777
7	11	2.7	1.9	4.7	2.4	.80	36	4.7	3.6	251	222	1,080
8	9.8	2.7	2.0	5.4	2.7	.80	116	3.1	1.5	210	199	1,200
9	8.9	2.4	2.0	6.9	2.4	70	130	2.3	1.3	194	194	1,050
10	8.0	2.7	2.0	7.3	9.8	.70	118	1.7	4.3	181	174	793
11	7.3	2.9	2.4	6.2	7.3	70	103	1.4	17	151	166	639
12	6.9	2.4	2.4	6.2	6.5	.70	92	1.3	71	146	173	556
13	6.9	2.4	2.4	5.8	6.2	.70	82	1.2	68	140	202	578
14	7.6	2.4	2.9	5.8	5.8	.70	74	1.0	78	169	212	556
15	6.9	2.3	2.9	6.5	5.0	.80	64	90	102	136	295	517
16	5.8	2.0	5.0	5.8	4.3	80	53	.90	151	109	308	459
17	5.8	2.0	5.4	5.4	3.9	80	42	.90	252	123	309	410
18	5.4	2.0	4.3	4.7	3.6	.70	34	.80	264	157	488	366
19	5.0	1.9	3.9	4.3	3.4	70	27	70	304	193	455	368
20	5.0	1.8	3.1	4.1	3.1	.70	23	.70	344	257	341	578
21	4.7	1.8	3.1	3.9	2.9	70	18	.60	351	265	782	4,770
22	4.3	1.8	3.6	3.9	2.7	.60	16	.60	362	276	397	5,560
23	4.3	2.0	3.9	3.9	2.7	80	12	.60	351	272	501	5,110
24	4.3	2.9	3.6	3.6	2.3	.70	11	.60	329	204	652	4,700
25	4.3	3.1	3.1	3.4	2.3	1.9	8.4	.60	384	164	962	3,760
26	4.3	2.9	2.9	3.4	2.0	14	6.5	50	326	142	950	2,920
27	4.1	3.1	2.7	3.4	2.0	26	5.0	70	349	132	695	2,200
28	4.1	3.1	2.9	3.1	1.9	26	4.1	60	421	136	680	1,630
29	3.9	2.9	2.7	2.9	-----	18	3.6	.50	466	144	784	1,220
30	3.9	2.4	2.7	2.7	-----	13	3.4	.70	543	295	703	978
31	3.6	-----	2.9	2.4	-----	9.4	-----	1.0	-----	294	635	-----
TOTAL MEAN	241.1	77.4	90.7	136.5	100.3	130.00	1,157.9	48.20	5,567.10	7,314	12,157	45,922
MAX	7.8	2.58	2.93	4.40	3.58	4.19	38.6	1.55	186	236	392	1,531
MIN	2.0	3.4	5.4	7.3	9.8	26	130	6.9	543	630	962	5,560
CFSM	.04	.01	.01	.02	.02	.02	.18	.007	.85	1.08	1.80	7.02
IN.	.04	.01	.02	.02	.02	.02	.20	.008	.95	1.25	2.07	7.83

CAL YR 1961 TOTAL 30,606.7 MEAN 83.9 MAX 8.39 MIN 1.5 CFSM .38 IN 5.22  
WAT YR 1962 TOTAL 72,942.20 MEAN 200 MAX 5,560 MIN .50 CFSM .92 IN 12.44

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	935	36	28	14	26	615	15	2.5	17	193	210	149
2	743	32	26	13	26	758	14	2.5	10	252	216	124
3	569	29	24	13	28	889	13	3.8	21	279	220	119
4	455	29	23	12	44	848	12	5.1	106	193	161	111
5	375	27	22	12	56	686	11	3.8	83	239	217	122
6	320	24	22	13	57	538	10	3.5	50	205	397	272
7	277	27	22	19	58	420	9.6	3.3	37	196	674	451
8	240	26	21	19	59	335	9.0	2.9	36	204	845	448
9	211	159	20	19	60	275	8.6	2.5	26	199	804	447
10	189	105	20	17	61	254	7.6	2.1	22	173	647	390
11	171	126	20	15	61	220	6.8	1.7	22	146	483	340
12	155	102	19	15	81	184	6.6	1.5	25	117	368	293
13	139	95	18	14	116	158	6.3	1.9	34	89	290	243
14	124	90	17	16	105	137	5.3	1.5	36	73	237	196
15	111	88	17	19	121	119	4.6	1.5	41	60	203	158
16	100	87	17	21	180	105	4.4	1.3	40	58	175	129
17	90	83	17	20	288	90	4.2	1.1	33	69	146	109
18	81	76	17	20	158	60	3.8	1.0	26	89	138	189
19	72	71	16	19	347	70	3.5	.90	19	80	141	273
20	63	66	16	17	375	63	3.1	1.0	15	65	153	453
21	56	61	16	20	373	55	2.9	.80	13	53	237	576
22	56	55	15	25	386	49	2.5	1.0	11	45	296	697
23	71	50	15	23	404	43	2.5	1.0	11	38	368	866
24	61	46	15	23	409	38	2.5	1.5	11	37	445	1,070
25	53	43	15	23	372	34	2.3	5.4	12	81	463	1,080
26	49	38	14	26	398	30	2.1	5.8	16	104	461	1,060
27	44	35	14	30	674	27	1.9	4.4	31	149	429	1,010
28	40	33	14	31	648	23	2.1	6.8	76	187	344	919
29	37	31	14	29	-----	20	2.3	11	103	202	273	790
30	34	29	14	28	-----	18	2.1	12	143	213	222	661
31	36	-----	14	27	-----	16	-----	47	-----	214	181	-----
TOTAL MEAN	5,957	1,356	562	611	6,149	7,197	181.6	142.10	1,126	4,423	10,471	13,695
MAX	192	61.9	18.1	19.7	220	232	6.05	4.58	37.5	143	338	457
MIN	935	165	28	31	674	889	15	47	143	314	845	1,080
CFSM	34	22	14	12	26	16	1.9	.80	10	37	138	109
IN.	.88	28	.08	.09	1.01	1.06	.03	.02	17	.65	1.55	2.09
	1.02	.32	.10	.10	1.05	1.23	.03	.02	.19	.75	1.79	2.34

CAL YR 1962 TOTAL 80,908.00 MEAN 222 MAX 5,560 MIN .50 CFSM 1.02 IN 13.80  
WAT YR 1963 TOTAL 52,370.70 MEAN 143 MAX 1,080 MIN .80 CFSM .66 IN 8.93

## 2-2973 1 Horse Creek near Arcadia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	330	13	59	150	107	215	421	9 2	5.2	55	19	61
2	439	12	52	131	96	209	547	10	5.0	73	21	61
3	350	11	46	114	90	199	525	22	6 0	93	25	67
4	294	11	43	102	100	201	420	23	6.7	97	25	93
5	249	10	39	93	298	197	324	23	6.2	150	25	218
6	224	10	36	84	463	184	242	24	5.7	118	23	635
7	209	9.8	34	113	489	166	185	23	5.7	98	22	469
8	190	9.7	32	154	565	148	146	23	5 0	83	29	375
9	168	9.7	30	135	728	131	119	22	7.6	70	53	365
10	145	26	30	130	808	113	102	21	15	58	39	808
11	126	21	28	132	747	101	89	19	21	47	67	900
12	109	19.8	27	174	623	90	77	17	15	39	77	747
13	96	217	25	264	506	30	67	16	11	31	62	898
14	84	408	24	290	410	71	56	16	8.3	26	76	682
15	75	392	24	325	337	64	48	16	7.2	22	117	610
16	68	644	24	398	275	57	41	15	6 7	19	237	819
17	61	593	37	476	278	316	35	14	6.4	17	325	714
18	53	473	66	491	204	342	30	12	7 0	17	489	467
19	50	376	67	440	254	240	26	12	12	15	554	341
20	44	294	62	376	272	213	23	10	12	14	517	282
21	40	229	61	316	247	188	19	9 2	9.5	17	474	247
22	35	173	59	276	232	153	17	8 0	7 7	11	421	214
23	30	143	62	242	254	128	15	7.7	7.0	9 5	402	181
24	20	121	98	215	264	109	14	7.2	6.4	9.2	403	151
25	27	100	107	191	260	96	12	6 7	6.0	11	284	128
26	25	93	104	171	240	84	10	6.0	7.2	22	212	108
27	23	84	115	156	218	76	9 5	5.2	17	29	163	93
28	21	75	139	142	213	77	8 9	5.0	34	25	131	82
29	19	73	165	131	228	122	8 9	5 7	50	21	105	73
30	17	67	173	119	-----	170	8 9	5.4	57	18	86	65
31	16	-----	167	110	-----	269	-----	5.2	-----	18	72	-----
TOTAL	3,965	5,116.2	2,035	6,641	9,761	4,917	3,646.2	424.5	371.0	1,327.7	5,550	10,904
MEAN	125	171	65.6	214	317	155	122	13.7	12.4	42.8	179	363
MAX	538	644	173	491	808	342	547	94	52	150	554	900
MIN	16	1.2	24	84	90	57	8.9	5 0	5.0	9 2	19	61
CFSM	157	73	30	98	154	71	35	06	06	20	82	1.67
IN.	1.66	17	35	1 13	1.67	82	1.67	07	06	2.3	9.5	1 86
CAL YR 1963	TOTAL	55,011.90	MEAN	151	MAX	1,080	MIN	5.0	CFSM	69	IN	9.38
WAT YR 1964	TOTAL	54,458.6	MEAN	149	MAX	900	MIN	5.0	CFSM	68	IN	9.29

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

LAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	58	3.1	8.4	6.1	7.3	29	22	1.3	70	241	1,710	194
2	54	7.5	7.5	5.9	7.5	29	17	1 1	50	245	1,540	167
3	51	7.3	7.0	5.7	8 4	31	15	10	50	371	1,550	150
4	46	7 5	6.6	5.5	7 8	31	13	80	40	506	1,340	115
5	41	7 5	6.6	5.2	7 5	33	12	70	40	339	1,150	91
6	39	6.8	6.8	5.0	8.1	69	11	70	50	316	1,030	75
7	37	6.6	6.1	4.8	12	142	9.2	70	40	471	833	65
8	33	5 3	5 9	4 8	17	282	8.1	60	1.5	988	668	60
9	35	5.7	5.9	4.6	18	385	6.8	60	3.8	932	641	118
10	33	5 5	5.7	4.4	17	362	5 9	50	4 9	760	1,420	123
11	32	5 2	5.2	4.4	15	289	5.2	50	32	669	1,700	97
12	32	5 5	5.2	4 2	14	218	4 8	50	143	960	1,410	81
13	30	5 0	5.2	4 2	14	159	4.2	40	139	1,550	1,380	70
14	30	4 6	5.2	4 0	14	128	3 6	40	180	1,610	1,390	61
15	29	4.0	5.9	4 0	14	112	3 0	40	232	1,400	1,210	53
16	28	3.8	6.1	6.8	14	89	2.6	40	222	1,170	957	62
17	27	4.0	6.6	8.9	13	74	2.4	40	192	1,010	764	62
18	25	4.0	6.8	12	12	62	2 0	40	235	1,010	679	52
19	22	4.0	6 8	11	12	52	1.9	60	165	1,010	608	44
20	20	4.4	6.3	9.7	11	44	1 6	40	149	1,270	516	43
21	18	3.8	6 3	9.4	11	39	1.3	40	146	1,060	422	50
22	16	3 6	5.9	9.4	12	34	1.3	40	138	901	338	61
23	15	3.4	5.9	9.4	27	30	1.3	40	157	886	269	71
24	14	3 6	5.5	9.4	45	27	1.3	70	412	833	215	73
25	13	5.7	5 5	11	37	24	2 4	2.0	235	1,220	174	73
26	12	5.9	5.5	11	33	22	3 0	80	167	1,680	141	71
27	12	5 9	9.7	30	20	20	5 0	40	255	1,640	117	142
28	11	9.7	7.0	8.9	29	20	4 0	50	357	1,390	204	204
29	10	13	7.0	7 8	-----	28	1.8	50	339	1,220	704	248
30	9.2	9.7	6.8	7.5	-----	38	1 4	50	277	1,540	461	301
31	8.6	-----	6.6	7.3	-----	31	-----	80	-----	1,910	263	-----
TOTAL	844.8	174.0	193.7	222.0	463.1	2,373	169.6	19.50	4,185.60	31,108	25,804	3,077
MEAN	27.3	5 93	6.25	7.18	16.5	94 6	5.65	6.3	140	1,003	832	103
MAX	58	13	8.4	12	45	385	22	2.0	412	1,910	1,710	301
MIN	8.6	3.4	5.2	4.0	7 5	20	1 3	40	40	241	117	43
CFSM	113	03	03	03	08	43	03	003	064	4 60	3.82	67
IN.	1.14	03	03	04	08	50	03	003	71	5.31	4.40	52
CAL YR 1964	TOTAL	44,658.9	MEAN	122	MAX	906	MIN	3.40	CFSM	56	IN	7.62
WAT YR 1965	TOTAL	64,198.70	MEAN	190	MAX	1,910	MIN	4.0	CFSM	87	IN	11.81

## 2-2981 23 Prairie Creek near Fort Ogden, Fla

Location --Lat 27°03'06", long 81°47'05", in SE $\frac{1}{4}$  sec 26, T 39 S, R 25 E, near center of span on downstream side of bridge on State Highway 31, 0.4 mile downstream from Myrtle Slough and 10.6 miles east of Fort Ogden, De Soto County

Drainage area --233 sq mi

Records available --October 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 25.00 ft above mean sea level, datum of 1929 Prior to May 21, 1965, graphic water-stage recorder at same site and datum

Extremes --1963-64 Maximum discharge during water year, 2,200 cfs Sept 16 (gage height, 11.97 ft), minimum, 0.80 cfs May 27, 28 (gage height, 2.70 ft)  
1964-65 Maximum discharge during water year, 1,430 cfs July 21 (gage height, 10.84 ft), no flow June 3-7, minimum gage height, 3.03 ft June 7, 8

Remarks --Records good

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	500	2.8	12	18	22	73	6.6	1.6	1.0	126	100	327
2	400	1.0	10	17	19	66	5.9	1.8	1.0	173	80	310
3	300	2.4	9.2	15	18	59	5.3	1.6	1.0	132	66	364
4	250	2.7	8.9	14	44	52	4.9	1.6	1.0	169	55	399
5	220	2.6	8.4	12	433	46	4.5	1.6	1.2	183	49	409
6	150	2.6	7.8	12	770	19	4.1	1.6	1.4	139	45	461
7	100	2.5	7.4	61	685	34	5.7	1.8	1.3	117	48	466
8	80	2.6	7.1	127	650	30	4.9	1.6	1.3	103	51	468
9	60	2.7	6.8	95	630	27	4.5	1.6	1.2	92	51	474
10	45	45	6.6	73	591	23	4.0	1.5	2.4	76	52	518
11	35	125	6.1	62	536	20	3.7	1.3	1.9	61	78	615
12	30	134	5.9	95	478	17	3.3	1.4	1.7	49	103	1,760
13	25	109	5.9	147	423	15	2.8	1.4	1.6	40	99	1,950
14	21	79	5.9	120	365	14	2.6	1.4	1.5	34	140	2,130
15	18	58	6.1	94	301	13	2.6	1.5	1.4	30	206	2,140
16	15	47	5.9	80	245	11	2.5	1.4	1.4	26	246	2,140
17	13	39	11	78	206	24	2.1	1.4	1.6	24	242	2,000
18	12	33	20	95	186	38	2.0	1.3	2.6	26	245	1,840
19	10	29	20	84	237	34	1.9	1.2	2.4	26	272	1,660
20	8.9	24	18	74	211	43	1.8	1.2	2.0	22	315	1,510
21	8.1	22	16	67	181	38	1.7	1.2	1.9	22	378	1,370
22	7.1	18	14	56	168	30	1.7	1.1	1.8	30	404	1,200
23	6.6	16	13	50	170	24	1.6	1.1	1.7	38	438	1,070
24	6.1	14	15	45	152	19	1.7	1.0	1.8	77	473	960
25	5.5	14	15	39	133	15	1.6	1.0	1.8	132	496	805
26	5.3	12	13	36	116	13	1.6	90	2.4	351	510	703
27	4.5	11	12	32	96	11	1.6	90	2.7	277	507	638
28	4.0	10	10	30	84	11	1.6	1.2	7.8	233	495	583
29	3.7	12	10	28	84	10	1.6	1.2	7.8	190	450	532
30	3.3	13	9.9	26	-----	8.9	1.6	1.1	56	147	413	485
31	3.1	-----	16	23	-----	7.6	-----	1.0	-----	120	373	-----
TOTAL	2,350.2	884.3	332.9	1,005	8,234	865.5	922.0	41.50	116.5	3,254	7,470	29,787
MEAN	75.8	29.6	10.7	58.2	284	27.9	3.07	1.34	3.88	105	241	993
MAX	500	134	20	147	770	73	6.6	1.8	56	351	510	2,140
MIN	3.1	2.5	5.9	12	18	7.6	1.6	90	1.0	22	45	310
CFSM	333	13	0.5	25	1.22	1.2	0.1	0.06	0.2	4.5	1.03	4.26
IN	38	14	0.5	29	1.31	1.14	0.1	0.07	0.2	52	1.19	4.75
CAL YR 1963 TOTAL				MEAN				MIN				IN
WAT YR 1964 TOTAL	55,236.90			MEAN	151			MAX	2,140			MIN
								MIN	.90			CFSM
								CFSM	.65			IN
								IN	8.82			

2-2981 23 Prairie Creek near Fort Ogdén, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	442	22	7.4	7.7	2.9	11	17	4.8	.20	15	580	103	
2	400	20	7.0	7.0	3.5	11	14	4.4	.10	14	487	126	
3	358	19	7.2	6.0	4.2	21	10	3.9	0	12	555	102	
4	319	18	7.7	5.4	4.2	21	8.6	3.7	0	90	546	85	
5	282	17	7.2	5.2	3.9	18	7.4	3.3	0	130	506	82	
6	246	16	7.6	4.8	4.2	15	7.2	3.5	0	77	591	81	
7	212	15	6.7	4.6	4.4	13	6.4	3.7	0	59	538	80	
8	168	14	6.7	4.6	4.8	12	5.7	3.5	.40	94	559	82	
9	169	13	6.2	4.2	4.6	10	5.7	2.8	1.9	86	538	262	
10	153	12	6.0	3.5	4.6	8.9	5.2	2.8	1.8	206	624	268	
11	136	11	6.2	3.5	4.2	8.0	4.8	3.1	2.5	183	645	173	
12	129	11	5.7	3.9	3.7	7.7	4.4	3.1	6.6	167	604	114	
13	123	10	5.2	3.5	3.7	7.2	4.2	2.8	6.8	219	570	93	
14	114	9.9	5.4	3.5	3.7	9.2	3.9	2.1	5.7	346	631	79	
15	105	9.2	5.4	3.7	3.9	61	3.7	1.5	5.2	344	496	90	
16	92	8.3	5.4	4.2	4.2	70	3.3	1.2	4.2	313	425	86	
17	79	8.0	5.2	4.2	3.7	49	3.3	1.0	7.3	228	379	82	
18	68	7.7	4.8	4.2	3.3	30	3.1	.80	16	239	391	72	
19	60	7.4	4.8	3.7	3.3	22	2.9	.80	16	356	300	65	
20	54	6.4	4.4	3.5	3.1	16	2.8	.80	11	796	307	60	
21	49	6.2	4.2	3.3	3.1	14	2.8	.80	8.5	1,290	341	60	
22	45	5.7	4.6	3.3	3.1	11	3.1	.90	8.7	802	258	60	
23	40	7.0	4.4	3.3	7.6	10	3.3	.80	11	513	208	60	
24	36	6.4	3.7	3.3	19	9.9	3.3	.90	16	359	172	55	
25	34	5.7	3.5	3.5	21	8.6	6.2	1.0	43	338	141	65	
26	32	5.4	3.5	3.5	19	8.3	8.3	.70	138	514	121	80	
27	30	5.4	4.4	3.1	15	8.3	8.9	.60	46	303	107	114	
28	28	5.7	6.7	3.1	12	9.6	8.6	.50	28	214	100	166	
29	26	6.9	12	5.1	-----	-----	10	7.2	.50	21	189	121	132
30	25	3.6	12	3.1	-----	-----	19	5.7	.40	18	425	154	131
31	24	-----	9.2	2.9	-----	-----	23	-----	.50	-----	618	113	-----
TOTAL	4,098	520.9	190.0	120.4	177.9	551.7	180.5	61.20	423.90	9,539	12,008	3,108	
MEAN	132	10.7	6.15	4.08	6.35	17.8	6.02	1.97	14.1	308	387	104	
MAX	442	22	12	7.7	21	70	17	4.8	138	1,290	645	268	
MIN	24	3.4	3.5	2.9	2.9	7.2	2.8	.40	0	17	100	55	
CFSM	.57	.05	.03	.02	.03	.08	.03	.08	.06	1.32	1.66	.44	
IN.	.65	.05	.03	.02	.03	.09	.03	.01	.07	1.52	1.92	.50	
CAL YR 1964	TOTAL 50,274.40			MEAN 154	MAX 2,140	MIN 90	CFSM .66	IN 8.98					
WAT YR 1965	TOTAL 30,785.50			MEAN 84.3	MAX 1,290	MIN 0	CFSM .36	IN 4.91					

2-2982 02 Shell Creek near Punta Gorda, Fla

Location --Lat 26°59'04", long 81°56'09", in NW $\frac{1}{4}$  sec 20, T 40 S, R 24 E, near left bank 60 ft upstream from dam, 1 0 mile upstream from Myrtle Slough, and 7 $\frac{1}{2}$  miles northeast of Punta Gorda, Charlotte County

Drainage area --373 sq mi

Records available --January to September 1965

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

Extremes --Maximum daily discharge during period January to September, 2,620 cfs July 22, maximum gage height, 6 35 ft July 22, no flow for many days

Remarks --Records fair Flow regulated by a permanent low-crested concrete spillway Diversion by City of Punta Gorda for water supply shown in monthly table

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1965												
DAY	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						0	41	10	0	0	1,800	228
2						0	35	7 0	0	0	1,360	228
3						0	29	7 0	0	0	1,560	282
4						0	24	4 0	0	0	1,290	242
5						0	19	1 5	0	4 0	1,090	204
6						0	19	1 5	0	24	1,440	171
7						0	19	1 5	0	47	1,330	138
8						0	14	0	0	324	1,220	138
9						0	10	0	0	350	1,090	182
10						0	10	0	2.9	455	1,050	350
11						0	10	0	46	619	1,160	365
12						0	7 0	0	94	585	1,200	296
13						0	4 0	30	35	470	1,030	228
14						1 5	1 5	29	24	568	860	204
15						29	1 5	10	10	602	765	171
16						84	0	1 5	10	585	670	215
17						94	0	1 5	7 0	500	568	204
18						74	0	0	24	440	602	193
19						56	0	0	35	517	568	171
20						41	0	0	19	1,090	568	149
21						35	5	0	10	2,300	803	138
22						29	10	0	4 0	2,620	585	138
23						29	24	0	4 0	1,850	395	138
24						29	29	0	105	1,090	310	138
25						29	29	0	74	670	261	127
26						29	29	0	74	727	215	138
27						24	24	0	84	822	193	551
28						24	19	0	29	517	193	860
29						29	19	0	4 0	455	282	708
30						29	14	0	0	1,290	296	653
31						29	-----	0	-----	2,060	282	-----
TOTAL				0	0	694 5	441 5	104 5	694.9	21,581 0	25,036	7,948
MEAN				0	0	22.4	14 7	3 37	23.2	696	808	265
MAX				0	0	94	41	30	105	2,620	1,800	860
MIN				0	0	0	0	0	0	0	193	127
(†)				2	8	8	1 1	7	9	9	8	8
MEAN*				20	80	23.2	15 8	4 07	24 1	697	809	266
CFSM*				0005	002	06	04	01	06	1 87	2 17	71
IN *				0006	002	07	04	01	07	2 15	2 50	79

† Diversion, in cubic feet per second, by City of Punta Gorda, furnished by City of Punta Gorda Water Department

\* Adjusted for diversion

2 2986 08 Myakka River at Myakka City, Fla

Location --Lat 27°20'47", long 82°09'17", in E $\frac{1}{2}$  sec 13, T 36 S, R 21 E, on downstream side of bridge on State Highway 70, 0.2 mile downstream from Owen Creek, and 0.6 mile southeast of Myakka City post office, Manatee County

Drainage area --125 sq mi

Records available --February 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 23.81 ft above mean sea level, datum of 1929

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,000 cfs), February 1963 to September 1965							
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Sept 23, 1963	1600	3,100	13.84	June 13, 1965	0300	1,200	12.04
				July 14, 1965	1800	1,540	12.49
Aug 17, 1964	0630	* 934	11.79	July 24, 1965	1000	1,630	12.59
				Aug 1, 1965	1300	* 2,190	13.11
				Aug 10, 1965	1500	1,520	12.47

Annual minimum discharge, February 1963 to September 1965							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1963	Many days	0	a 4.21	1965	May 8-29, June 3-7, 1965	0	c 4.43
1964	do	0	b 4.18				

a Occurred May 20, 21, 1963

b Occurred May 31, June 1, 2, 1964

c Occurred May 28, 1965

1963-65 Maximum discharge, 3,100 cfs Sept. 23, 1963 (gage height, 13.84 ft), no flow for many days each year, minimum gage height, 4.18 ft May 31, June 1, 2, 1964

Flood of Sept. 21, 1962, reached a stage of 16.6 ft, from information by local resident (discharge, 7,190 cfs)

Remarks --Records good except those for periods of shifting control, which are fair. Records of chemical analyses for the water years 1962 and 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					-	770	6.9	10	97	325	249	74
2					-	592	5.8	20	69	282	204	64
3					-	452	5.0	30	49	220	340	64
4					-	333	4.3	40	39	228	613	54
5					46	257	3.6	1.4	58	438	613	84
6					45	222	3.2	.80	116	458	535	215
7					49	187	3.1	50	163	364	433	224
8					50	145	2.9	20	217	255	334	198
9					50	118	2.5	.10	182	174	238	184
10					47	115	2.1	0	136	120	159	158
11					44	102	1.8	0	100	96	115	135
12					69	91	1.4	0	76	79	93	112
13					104	81	.90	0	68	64	88	95
14					321	74	.40	0	72	54	98	79
15					455	66	.30	0	72	46	86	62
16					362	58	.20	0	72	51	74	54
17					310	51	.10	0	75	66	63	49
18				* 16	247	45	.10	0	70	64	56	192
19					291	40	.10	0	59	57	67	947
20					488	35	.10	0	48	56	79	1,940
21					52							
22					528	30	.10	0	39	55	294	1,750
23					482	25	.10	0	30	50	559	1,720
24					380	21	.10	10	24	55	577	2,880
25					264	19	.10	.10	22	71	490	2,590
26					194	17	.10	10	21	124	406	1,870
27					267	15	.10	.10	27	452	353	1,250
28					672	14	.10	20	39	619	276	832
29					898	13	0	4.3	90	598	201	598
30					-----	11	0	17	249	492	144	480
31					-----	9.6	0	54	310	402	110	338
					-----	8.3		122	-----	320	90	-----
TOTAL					-	4,021.9	45.50	201.90	2,689	6,735	8,037	19,272
MEAN					-	130	1.52	6.51	89.6	217	259	642
MAX					-	770	6.9	122	310	619	613	2,880
MIN					-	8.3	0	0	21	46	56	49
CFSM					-	1.04	.01	.05	.72	1.74	2.07	5.14
IN.					-	1.20	.01	.06	.80	2.00	2.39	5.73

\* Result of discharge measurement

## 2-2986 08 Myakka River at Myakka City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	246	4.5	20	84	52	152	443	3.4	0	16	48	57
2	178	4.3	19	72	49	173	316	22	0	17	41	49
3	134	3.8	17	62	46	167	220	28	0	31	33	50
4	106	3.4	17	56	58	164	152	22	0	38	25	94
5	88	3.2	17	49	27d	119	110	30	.10	49	19	217
6	75	3.2	16	45	625	104	88	35	.10	52	15	532
7	64	3.1	16	62	956	90	72	31	0	47	16	520
8	54	2.7	15	95	755	80	59	26	0	32	46	393
9	47	2.5	15	106	598	69	48	20	0	24	42	291
10	42	.36	14	110	458	60	43	16	8.4	18	35	345
11	36	31+	14	112	325	53	38	13	23	14	52	327
12	32	318	13	207	258	46	33	10	19	10	133	238
13	28	223	13	450	184	41	27	6.2	11	7.7	211	233
14	24	298	13	520	143	36	23	7.1	9.9	5.7	280	218
15	22	253	14	508	116	32	19	6.5	9.0	4.1	532	214
16	19	199	14	472	101	29	16	5.7	7.2	3.4	668	349
17	17	146	14	325	88	75	14	4.4	5.8	2.7	898	351
18	16	111	36	260	86	83	11	3.6	5.4	3.5	720	269
19	14	90	36	200	127	79	9.3	2.4	6.6	3.6	550	217
20	13	73	33	160	152	76	7.5	1.7	5.5	2.7	400	171
21	12	60	33	139	183	67	6.4	.90	3.6	2.0	391	132
22	10	51	35	119	201	56	5.2	.20	2.4	2.3	556	104
23	9.4	44	39	106	200	46	4.3	.30	7.8	4.4	436	87
24	6.8	38	81	96	175	40	3.5	.10	89	11	323	71
25	3.2	31	102	87	150	34	2.9	0	108	17	267	60
26	7.5	30	133	81	130	29	2.1	0	46	40	222	50
27	6.9	21	169	73	116	78	1.5	0	22	69	171	43
28	6.5	24	162	69	128	1.2	0	0	21	67	126	38
29	5.8	26	132	64	141	5.5	1.4	0	20	55	98	33
30	5.2	22	106	60	-----	3.1	3.0	0	19	48	80	28
31	4.5	-----	95	55	-----	5.30	-----	0	-----	46	67	-----
TOTAL	1,337.3	2,504.7	1,459	4,852	6,751	3,771	1,780.3	297.80	449.80	738.1	7,501	5,781
MEAN	43.2	80.5	47.1	157	214	122	59.3	9.61	15.0	23.8	242	183
MAX	246	338	169	520	956	571	443	35	108	69	898	532
MIN	4.5	3.8	13	45	46	28	1.2	0	0	2.0	15	28
CFSM	.35	.08	38	1.25	1.86	.77	.47	.08	.12	.19	1.94	1.54
IN.	.40	.76	43	1.44	2.01	1.12	.53	.09	.13	.22	2.23	1.72

CAL YR 1963 TOTAL MEAN MAX MIN CFSM IN  
 MAY YR 1964 TOTAL 37,205.50 MEAN 102 MAX 898 MIN 0 CFSM .82 IN 11.09

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	4.5	8.6	6.5	6.5	50	7.8	1.4	.10	246	2,160	326
2	23	4.3	6.5	6.4	6.6	46	6.2	1.2	.10	175	1,870	300
3	40	4.0	5.7	6.4	7.4	51	4.8	70	0	124	1,390	276
4	36	4.0	5.8	5.7	6.8	63	4.0	.50	0	101	1,020	216
5	38	3.2	6.4	5.8	6.6	84	3.3	.40	0	86	825	165
6	39	3.4	9.3	5.7	6.6	166	2.7	70	0	80	654	130
7	40	3.0	8.5	5.2	14	175	2.3	10	0	122	518	107
8	40	2.0	7.2	4.8	24	161	1.9	J	.90	234	408	96
9	39	2.3	6.6	4.5	19	119	1.7	J	.90	302	415	150
10	36	1.9	6.4	4.3	17	95	1.5	0	1.7	360	1,310	149
11	33	1.7	6.4	4.1	17	75	1.5	0	16	420	1,440	128
12	31	1.5	6.1	4.0	17	62	1.2	0	432	445	1,240	121
13	30	1.5	5.8	4.1	17	51	1.2	0	1,050	820	1,190	114
14	29	1.4	5.9	3.9	16	43	1.1	0	860	1,420	910	105
15	27	1.1	9.6	10	16	41	1.0	0	702	1,390	694	92
16	24	.90	9.1	28	15	36	.90	0	512	1,140	542	84
17	21	.80	7.8	23	14	79	.80	0	340	945	412	149
18	18	.80	7.4	20	13	24	.60	0	247	785	400	310
19	16	.60	6.8	20	11	19	.50	0	168	682	438	606
20	15	.60	5.8	20	7.6	16	.40	0	125	742	350	551
21	13	.60	5.4	18	8.8	14	.40	0	126	860	296	405
22	14	.50	5.4	16	8.6	12	.60	0	146	714	288	289
23	10	.50	5.1	15	16	11	.60	0	392	1,090	265	201
24	9.3	.50	5.0	13	48	9.5	1.6	0	455	1,600	228	144
25	8.3	2.5	4.7	13	51	8.3	2.2	0	382	1,400	176	122
26	7.3	6.8	4.5	12	49	7.2	7.2	0	310	1,110	132	179
27	7.2	5.4	5.7	10	52	6.5	6.5	0	428	860	129	668
28	6.5	7.9	8.2	9.0	53	6.6	3.8	0	512	706	252	566
29	6.1	19	8.0	7.8	-----	15	2.7	0	405	742	375	352
30	5.7	14	7.2	7.4	-----	16	2.0	.30	312	1,220	425	350
31	5.0	-----	6.8	6.9	-----	8.9	-----	20	-----	1,930	352	-----
TOTAL	691.9	102.10	207.7	320.7	546.5	1,543.0	73.00	5.00	7,923.70	22,851	21,104	7,451
MEAN	22.3	3.40	6.70	10.3	19.5	49.8	2.43	16	264	737	681	248
MAX	40	19	9.6	28	53	195	7.8	1.4	1,050	1,930	2,160	668
MIN	5.0	5.0	4.5	3.9	6.5	6.5	.40	0	0	60	129	84
CFSM	.18	.03	.09	.08	.16	.40	.02	.001	2.11	5.90	5.45	1.99
IN.	.21	.03	.06	10	16	.46	.02	.001	2.36	6.80	6.29	2.22

CAL YR 1964 TOTAL 32,925.70 MEAN 90.0 MAX 898 MIN 0 CFSM .72 IN 9.80  
 MAY YR 1965 TOTAL 62,919.60 MEAN 172 MAX 2,160 MIN 0 CFSM 1.38 IN 18.69

Note --Shifting-control method used Oct 24 to Nov 23, Dec 11 to Feb 23

2-2988 3 (revised) Myakka River near Sarasota, Fla

Location --Lat 27°14'25", long 82°18'50", in sec 21, T 37 S, R 20 E, on right bank half a mile upstream from bridge on State Highway 72, 2 miles upstream from Lower Myakka Lake, and 14 miles southeast of Sarasota, Sarasota County

Drainage area --235 sq mi, approximately

Records available --August 1936 to September 1965

Gage --Digital water-stage recorder Datum of gage is 7 92 ft above mean sea level, datum of 1929 (National Park Service bench mark) Prior to Apr 10, 1941, staff gage half a mile downstream at same datum Apr 10, 1941, to June 28, 1961, staff gage and June 29, 1961, to May 20, 1965, graphic water-stage recorder at present site and datum

Average discharge --29 years, 266 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum				Minimum	
	Date	Discharge (cfs)	Date	Gage height (ft)	Date	Gage height (ft)
1961	Sept 1, 2, 1961	a 712	Oct 1, 1960	7 55	June 12, 1961	1 39
1962	Sept 23, 1962	7,850	Sept 23, 1962	11 60	Mar 21, 22, 1962	1 42
1963	Sept 27, 1963	1,710	Sept 27, 1963	8 52	May 24, 1963	1 28
1964	Feb 10, 1964	b 814	Oct 1, 1963	7 84	June 27, 1964	1 37
1965	Aug 2, 1965	2,520	Aug 2, 1965	9 27	June 7, 1965	60

a Maximum peak discharge, maximum discharge during year, 1,290 cfs Oct 1, stage falling

b Maximum peak discharge, maximum discharge during year, 1,240 cfs Oct 1, stage falling

No flow for many days each water year, 1961-65

1936-65 Maximum discharge, 8,670 cfs Aug 1, 1960, maximum gage height, 11 60 ft Sept 23, 1962, no flow for many days in some years, minimum gage height observed, -1 40 ft June 11, 1945

Remarks --Records fair except those for periods of shifting control, which are poor Records include flow from Vanderpie Slough at high stages Records of chemical analyses and water temperatures for the water years 1962-65 are published in reports of the Geological Survey

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,200	182	41	31	52	63	52	6.5	0	0	156	698
2	1,220	211	40	31	49	59	62	6.5	0	0	166	698
3	1,120	229	39	30	52	56	63	5.7	0	70	176	670
4	1,040	234	36	29	50	53	63	4.9	0	22	184	614
5	920	220	34	27	57	50	63	4.1	0	52	184	544
6	851	199	32	26	58	48	62	3.6	0	69	180	509
7	824	176	31	24	45	45	61	3.4	0	83	174	481
8	824	159	28	20	202	42	60	4.9	0	91	184	455
9	946	143	26	20	412	39	54	4.9	0	93	193	440
10	1,060	131	25	32	533	36	52	4.5	0	91	200	435
11	1,040	121	25	35	586	33	50	4.0	0	89	202	435
12	988	112	28	37	592	30	47	3.2	0	89	199	455
13	912	104	30	44	543	30	44	2.6	0	88	190	474
14	831	91	30	51	473	42	40	2.3	0	86	182	488
15	771	83	24	58	412	47	38	1.6	0	84	174	495
16	682	77	36	67	357	46	35	1.1	0	80	175	481
17	604	73	32	77	308	47	33	0.5	0	77	177	455
18	533	67	33	87	255	48	29	0	0	75	176	430
19	464	64	34	99	215	48	25	0	0	77	180	399
20	417	61	34	106	179	48	23	0	0	84	186	371
21	376	58	34	105	154	48	22	0	0	90	193	341
22	346	56	34	99	135	48	19	0	0	102	204	314
23	318	52	34	96	118	47	16	0	0	113	220	290
24	265	49	35	80	104	47	13	0	0	120	230	262
25	252	47	35	77	90	46	11	0	0	123	235	239
26	224	48	34	73	81	42	10	0	0	128	249	217
27	192	46	33	67	72	39	9.4	0	0	132	295	199
28	162	44	38	63	67	35	8.2	0	0	130	478	184
29	154	42	36	60	-----	32	7.3	0	0	129	481	169
30	135	40	37	59	-----	30	7.1	0	0	137	586	153
31	130	-----	32	57	-----	30	-----	0	-----	148	663	-----
TOTAL	19,907	3,719	1,018	1,773	6,301	1,354	1,079	64.70	0	2,682.70	7,372	12,395
MEAN	642	107	32.8	57.2	225	43.7	36.0	2.09	0	86.5	238	413
MAX	1,280	234	41	106	592	63	63	6.9	0	148	663	698
MIN	130	40	25	20	46	30	7.1	0	0	0	156	153
CFSM	2.73	.46	.14	.24	.96	.19	.15	.009	0	.37	1.01	1.76
IN.	3.15	.51	.16	.28	1.00	.21	.17	.01	0	.42	1.17	1.96
CAL YR 1960	TOTAL 134,525.1	MEAN 531			MAX 8,400	MIN 2.4			CFSM 2.26	IN 30.78		
WAT YR 1961	TOTAL 57,165.40	MEAN 157			MAX 1,280	MIN 0			CFSM .67	IN 9.05		

Note --Shifting-control method used Nov 6 to Dec 21, Dec 23 to Jan 19



## 2-2988 3 Myakka River near Sarasota, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	139	3.5	1.2	0	.40	.10	0	14	.30	264	97	1,600
2	124	1.8	1.4	0	.30	.10	.20	11	.30	271	94	1,420
3	110	.90	1.8	0	.30	.10	.40	8.2	.20	285	92	1,300
4	96	.40	1.4	0	.20	0	1.9	6.2	.20	295	92	1,230
5	88	.20	1.6	0	.20	0	5.4	5.2	.10	295	102	1,270
6	77	.30	1.3	0	.20	0	8.4	4.6	.10	288	121	1,240
7	67	.40	1.3	.10	.30	0	22	4.8	.10	271	138	1,150
8	58	1.5	1.0	.10	.20	0	70	4.8	0	247	152	1,060
9	49	3.5	.80	.10	.20	0	113	4.2	0	227	160	992
10	42	3.1	.40	.10	1.6	0	146	3.5	0	208	169	950
11	37	2.7	.40	.20	1.6	0	165	2.7	0	193	260	908
12	31	2.4	.30	.30	2 0	0	172	1.9	0	186	527	978
13	27	2.0	.30	.60	2 6	0	174	2.2	.10	181	745	1,190
14	26	1.6	.30	1.0	2.6	0	169	4.2	.60	174	926	1,220
15	26	1.0	.30	1.3	2.4	0	161	4.6	3.8	165	1,060	1,160
16	27	.60	.20	1.6	1.9	0	151	5.8	20	154	1,100	1,060
17	23	.40	.20	1.6	1.4	0	140	6.2	94	138	1,080	936
18	20	.30	.20	1.4	1.0	0	124	6.2	218	120	1,060	803
19	16	.20	.20	1.4	.60	0	111	6.2	365	106	1,090	691
20	12	.20	.20	1.4	.40	0	100	5.8	473	96	1,180	866
21	9.8	.20	.20	1.4	.30	0	89	5.0	509	92	1,200	3,480
22	8.1	.10	.10	1.6	.20	0	78	4.0	592	99	1,260	6,450
23	6.4	.10	.10	1.9	.20	0	65	3.3	592	110	1,380	7,730
24	5.4	.80	.10	2.0	.20	0	54	2.6	527	115	1,490	7,250
25	5.6	1.2	.10	1.9	.10	0	46	1.8	446	110	1,620	5,810
26	5.9	1.3	.10	1.6	.10	0	38	1.0	369	102	1,880	4,270
27	6.7	1.8	.10	1.2	.10	0	32	.40	311	94	2,130	3,190
28	7.1	1.8	.10	1.2	.10	0	27	.20	264	92	2,240	2,560
29	8.1	1.6	.10	.60	-----	0	22	.20	262	88	2,080	2,110
30	6.9	1.2	0	.40	-----	0	18	.20	264	87	1,940	1,800
31	5.4	-----	0	.40	-----	0	-----	.30	-----	96	1,810	-----
TOTAL	1,172.4	37.10	15.80	25.40	21.70	0.30	2,303.30	131.30	5,311.80	5,249	29,275	66,674
MEAN	37.8	1.24	.51	.82	.78	.10	76.8	4.24	177	169	944	2,222
MAX	139	3.5	1.8	2.0	2.6	0.10	174	14	592	295	2,240	7,730
MIN	5.4	.10	0	0	0	0	0	.20	0	92	92	691
CFSM	16	.005	.002	.003	.003	0	.33	.02	.75	.72	4.02	9.46
IN.	.19	.006	.003	.004	.003	0	.36	.02	.84	.83	4.63	10.6

CAL YR 1961 TOTAL 34,246.70 MEAN 93.8 MAX 698 MIN 0 CFSM .40 IN 5.42  
WAT YR 1962 TOTAL 110,217.10 MEAN 302 MAX 7,730 MIN 0 CFSM 1.29 IN 17.44

Note --Shifting-control method used Nov 15 to Dec 17

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,570	36	28	13	27	660	25	0	0	241	258	389
2	1,340	34	27	11	26	705	20	0	.10	258	269	343
3	1,110	32	25	9.7	26	710	15	0	1.5	261	266	319
4	929	40	24	9.1	34	670	11	.10	6.5	269	258	299
5	789	30	22	9.1	38	606	8.6	.10	22	287	258	276
6	677	29	22	8.8	40	542	6.5	.20	40	299	279	263
7	558	27	21	11	44	481	6.1	.20	48	307	310	253
8	435	28	19	14	50	427	5.1	.10	56	307	328	248
9	367	42	19	16	56	367	4.5	0	68	296	337	251
10	320	51	19	16	58	333	3.6	0	85	276	328	248
11	274	58	19	16	59	296	2.8	0	100	261	310	243
12	239	62	17	16	65	262	2.2	0	108	243	287	231
13	211	70	17	15	81	233	1.9	0	110	214	263	218
14	186	73	16	16	98	205	1.4	0	111	188	239	203
15	161	74	15	19	116	181	1.1	0	112	164	216	185
16	137	72	14	21	150	155	1.0	0	116	145	196	172
17	119	70	14	21	211	134	.60	0	117	134	186	161
18	104	70	14	20	297	116	.30	0	113	132	185	154
19	92	68	14	19	296	103	.20	0	106	122	179	161
20	80	66	14	19	360	89	.10	0	98	111	196	194
21	72	62	14	22	411	78	.10	0	92	101	263	316
22	68	60	14	28	440	70	0	0	86	363	550	650
23	68	59	14	29	448	60	0	0	78	91	484	952
24	66	54	14	30	431	54	0	0	78	94	554	1,380
25	61	50	14	32	415	49	0	0	75	95	630	1,590
26	57	45	14	30	423	44	0	0	72	95	667	1,690
27	52	42	13	30	485	40	0	0	68	100	645	1,700
28	47	36	14	31	583	36	0	0	92	122	600	1,630
29	43	32	14	32	-----	33	0	0	128	164	550	1,510
30	39	29	14	30	-----	31	0	0	188	218	500	1,360
31	37	-----	15	27	-----	29	-----	-----	-----	248	441	-----
TOTAL	10,308	1,491	534	620.7	5,728	7,799	117.10	0.70	2,375.10	5,936	10,845	17,489
MEAN	333	49.7	17.2	20.0	205	252	3.90	.023	79.2	191	350	583
MAX	1,570	74	28	32	583	710	25	.20	188	307	667	1,700
MIN	37	27	13	8.8	26	29	0	0	0	91	179	154
CFSM	1.41	.21	.07	.09	.87	1.07	.02	0	.34	.81	1.49	2.48
IN.	1.63	.24	.08	.10	.91	1.23	.02	.0001	.38	.94	1.72	2.77

CAL YR 1962 TOTAL 121,324.80 MEAN 332 MAX 7,730 MIN 0 CFSM 1.41 IN 19.20  
WAT YR 1963 TOTAL 63,243.60 MEAN 173 MAX 1,700 MIN 0 CFSM .74 IN 10.01

## 2-2988 3 Myakka River near Sarasota, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,180	23	73	178	150	314	494	12	.80	28	68	331
2	1,010	21	66	168	138	311	498	18	.40	28	74	296
3	958	20	58	157	129	305	481	22	.30	34	86	266
4	820	19	53	143	134	299	452	24	.70	38	89	251
5	694	16	48	131	192	290	415	27	1.5	42	82	269
6	590	14	44	119	370	281	356	27	1.3	49	76	334
7	503	13	41	126	578	260	302	25	1.0	51	67	353
8	434	11	37	140	720	238	252	23	.60	49	58	382
9	372	10	35	158	800	211	213	22	.30	45	53	409
10	322	28	33	179	807	188	183	22	.40	40	50	530
11	276	70	31	187	782	171	154	20	.80	34	52	577
12	239	115	29	211	715	151	129	19	.40	29	58	595
13	203	179	28	276	640	131	107	17	.30	24	68	595
14	176	252	27	381	574	113	90	16	.20	19	82	577
15	154	290	29	448	516	97	78	18	.10	15	108	559
16	140	299	32	477	468	87	68	17	.10	13	147	542
17	127	293	38	485	419	89	60	15	0	11	207	546
18	114	276	42	485	367	90	51	11	0	7.9	276	559
19	103	257	42	473	374	93	42	8.9	0	6.0	382	559
20	93	233	44	444	374	101	36	7.6	0	4.7	455	534
21	83	207	47	423	370	109	30	6.4	0	3.9	488	496
22	74	185	50	389	370	109	25	5.4	0	3.1	503	448
23	66	163	53	350	364	106	21	5.5	0	3.1	515	395
24	58	147	74	320	356	97	18	5.3	0	4.2	530	350
25	51	132	90	290	343	86	15	4.6	0	7.4	542	307
26	46	119	111	270	336	78	13	3.8	0	18	527	266
27	42	107	131	243	320	74	12	3.3	1.2	29	503	234
28	38	95	148	220	308	101	11	2.7	14	36	459	203
29	35	88	166	200	311	213	12	2.4	26	43	412	168
30	32	82	183	179	-----	364	12	1.9	29	50	382	142
31	28	-----	187	161	-----	460	-----	1.3	-----	58	366	-----
TOTAL	9,061	3,764	2,070	8,411	12,325	5,617	4,630	414.1	79.40	823.3	7,765	12,073
MEAN	292	125	66.8	271	425	181	154	13.4	2.65	26.6	250	402
MAX	1,180	299	187	485	807	460	498	27	29	58	542	595
MIN	28	10	27	119	129	74	11	1.3	0	3.1	50	142
CFSM	1.46	.63	.28	1.15	1.81	.77	.66	.06	.01	.11	1.07	1.71
IN.	1.43	.60	.33	1.33	1.95	.89	.73	.07	.01	.13	1.23	1.91

CAL YR 1963 TOTAL 65,605.60 MEAN 180 MAX 1,700 MIN 0 CFSM .77 IN 10.41  
WAT YR 1964 TOTAL 67,032.80 MEAN 183 MAX 1,180 MIN 0 CFSM .78 IN 10.61

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	125	8.6	2.1	13	11	67	12	1.1	0	455	2,470	665
2	114	7.4	3.6	12	8.9	68	12	1.2	0	449	2,500	616
3	109	6.0	4.3	10	9.3	71	11	.40	0	428	2,420	570
4	102	5.3	3.4	10	11	81	9.5	.20	0	396	2,260	520
5	99	6.0	3.2	11	11	86	8.1	0	0	361	2,280	468
6	98	5.8	3.9	9.5	9.8	90	7.3	0	0	330	2,120	427
7	93	4.0	5.8	7.8	11	98	6.0	0	0	316	1,910	378
8	88	2.8	7.0	7.1	17	109	4.9	0	0	310	1,770	346
9	81	2.1	7.9	6.4	11	122	3.6	0	0	340	1,620	314
10	76	2.1	7.9	5.4	24	133	2.6	0	0	388	1,520	281
11	71	2.4	7.8	4.9	25	138	1.8	0	.20	460	1,540	265
12	67	2.4	6.5	4.9	26	136	1.2	0	14	595	1,620	243
13	61	1.9	5.0	5.0	25	132	.70	0	144	817	1,620	224
14	56	1.4	4.0	4.7	25	130	.20	0	425	1,080	1,590	203
15	51	1.5	4.9	5.7	26	129	.10	0	625	1,270	1,540	196
16	47	2.3	7.9	7.1	27	121	.20	0	702	1,370	1,430	198
17	43	2.8	7.3	8.6	26	110	.10	0	717	1,420	1,310	213
18	40	2.6	5.1	10	25	99	0	0	700	1,420	1,180	276
19	37	1.9	4.7	11	24	88	0	0	664	1,370	1,090	320
20	34	1.0	6.2	13	22	77	0	0	608	1,290	1,050	350
21	31	.60	5.3	16	19	70	0	0	547	1,220	977	381
22	27	.60	3.9	19	18	61	0	0	502	1,290	869	400
23	22	2.6	3.3	21	22	49	0	0	463	1,360	749	189
24	20	4.3	3.4	22	36	40	0	0	426	1,390	664	374
25	18	4.5	2.8	24	45	34	.10	0	418	1,470	585	392
26	17	3.9	2.5	25	51	28	.40	0	423	1,520	537	400
27	16	3.0	2.3	23	59	24	.70	0	437	1,550	519	460
28	15	2.7	7.1	22	64	22	.40	0	439	1,490	587	542
29	13	2.4	12	19	-----	19	.30	0	446	1,570	703	635
30	11	2.1	14	14	-----	16	.40	0	459	1,890	730	685
31	9.5	-----	13	12	-----	13	-----	0	-----	2,230	710	-----
TOTAL	1,691.5	97.20	178.9	384.1	699.0	2,461	83.60	2.90	9,159.20	31,851	42,470	11,731
MAX	34.6	3.24	5.77	12.4	25.0	79.4	12.7	.094	305	1,027	1,370	391
MIN	1.25	8.6	14	25	64	138	12	1.2	717	2,230	2,500	685
CFSM	9.5	.60	2.1	4.7	8.9	13	0	0	0	310	519	196
IN.	.23	.01	.02	.05	.11	.34	.01	.0003	1.30	4.37	5.83	1.66
IN.	.27	.02	.03	.06	.11	.39	.01	.0004	1.45	5.04	6.72	1.86

CAL YR 1964 TOTAL 54,105.40 MEAN 148 MAX 807 MIN 0 CFSM .63 IN 8.56  
WAT YR 1965 TOTAL 100,809.40 MEAN 276 MAX 2,500 MIN 0 CFSM 1.18 IN 15.95

2-2994 7 Big Slough near Murdock, Fla

Location --Lat 27°04'15", long 82°13'05", in NW¼ sec 21, T 39 S, R 21 E, Sarasota County, near left bank 3 miles upstream from bridge on U S Highway 41, and 5½ miles northwest of Murdock, Charlotte County

Drainage area --87 5 sq mi

Records available --February 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 1 37 ft above mean sea level, datum of 1929

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (600 cfs), February 1963 to September 1965											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
June 29, 1963	1300	1,180	13 47	July 16, 1965	1930	712	12 61	Aug 14, 1965	1115	680	12 48
Sept 26, 1963	0900	758	12 83	July 31, 1965	2000	* 2,560	15 90	Aug 30, 1965	1430	1,160	13 93
Sept 10, 1964	1900	* 975	13 57								

Annual minimum discharge, February 1963 to September 1965							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1963	Apr 30, May 14-21, 1963	0 20	a 5 05	1964	July 16, 17, 1964	0 40	5 12
				1965	June 3, 4, 1965	20	5 07

a Occurred May 20, 21, 1963

1963-65 Maximum discharge, 2,560 cfs July 31, 1965 (gage height, 15 90 ft), from rating curve extended above 820 cfs by logarithmic plotting, minimum, 0 20 cfs Apr 30, May 14-21, 1963, June 3, 4, 1965, minimum gage height, 5 05 ft May 20, 21, 1963

Flood of Sept 21, 1962, reached a stage of 16 35 ft, from floodmarks (discharge, 3,010 cfs, from rating curve extended above 820 cfs by logarithmic plotting)

Remarks --Records good except those below 2 0 cfs and above 1,000 cfs, which are fair Records of chemical analyses for the water years 1962, 1964-65 and of water temperatures for the water year 1962 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1963

LAY	OCT.	NOV	DEC.	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1					-	16.1	1.9	80	8 1	328	5 4	32
2					-	142	1.8	1 3	5 6	234	19	27
3					-	115	1 5	3.0	24	221	159	41
4					-	92	1 4	2 9	52	151	116	47
5					-	70	1.3	1 5	15	101	85	48
6					-	54	1 2	1 1	18	66	66	132
7					9 5	44	1 2	90	17	44	52	156
8					8 5	35	1.2	30	16	30	48	157
9					7 6	29	1 1	70	165	22	112	130
10					6 8	30	.90	60	117	18	72	101
11					6 1	27	.90	40	71	16	48	77
12					8 3	27	.90	30	40	14	35	58
13					15	19	.90	30	35	13	96	44
14					13	16	.60	30	64	11	160	35
15				* 4 5	12	14	.60	.20	36	13	158	35
16					11	12	.50	20	25	16	142	29
17					15	11	.50	20	23	25	115	25
18					17	9.5	50	20	17	49	98	28
19					24	8.3	.40	.20	13	33	249	57
20					46	7.2	.30	.20	10	22	268	119
21					38	6 2	.30	50	8.5	16	310	194
22					33	5 2	30	7.7	7.3	13	288	289
23					28	4.7	.30	2.5	6 4	12	308	524
24					23	4.2	30	1.1	11	11	244	632
25					19	3.6	.30	4.9	12	10	190	725
26					81	3.4	.30	4.3	11	10	154	752
27					238	3 0	.30	2.2	58	8.8	130	690
28					194	2 9	30	8 3	567	7.8	92	534
29					-----	2.4	.30	5.4	1,100	6.8	72	330
30					-----	2.3	.20	15	680	6.5	56	258
31					-----	2 0	-----	11	-----	6.1	43	-----
TOTAL					-	964.9	22 50	16.90	3,232.9	1,535.0	3,990.4	6,296
MEAN					-	31.1	75	3 13	108	49.5	129	210
MAX					-	168	1.9	72	1,100	328	310	752
MIN					-	2.0	20	20	5.6	6.1	5.4	25
CFSM					-	36	.009	04	1.23	.57	1.47	2.40
IN.					-	.41	.01	.04	1.37	.65	1.70	2.68

\* Result of discharge measurement

## 2-2994 7 Big Slough near Murdock, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	203	7.9	19	28	28	86	36	7.5	1.2	1.4	4.8	38
2	164	5.9	18	26	26	74	31	4.1	1.2	5.0	4.2	93
3	159	5.5	17	23	24	64	27	4.0	2.9	6.3	3.4	112
4	115	5.4	10	21	34	56	24	3.0	3.0	4.8	3.0	83
5	94	5.2	15	20	273	50	22	2.7	3.4	3.8	2.7	85
6	76	5.4	14	19	366	44	20	2.3	4.0	3.2	2.5	113
7	63	4.9	14	100	349	39	18	2.0	3.4	2.5	13	101
8	52	4.7	13	171	344	35	16	1.8	2.4	2.0	8.5	82
9	42	4.7	13	126	297	31	15	1.6	1.9	1.8	27	68
10	34	68	12	92	239	28	14	1.4	4.6	1.6	56	618
11	29	142	11	74	192	26	12	1.3	9.0	1.3	41	938
12	24	263	11	110	154	23	11	1.2	9.2	1.0	122	662
13	21	273	11	207	124	21	9.9	1.1	7.4	.80	112	587
14	18	204	10	170	104	20	9.0	6.3	5.5	.70	66	575
15	16	145	11	139	88	18	8.1	5.0	3.8	.60	55	569
16	15	112	10	118	76	17	7.4	3.6	2.7	.40	170	623
17	14	90	18	106	65	116	6.3	2.7	1.9	.60	410	551
18	13	74	32	107	64	134	5.7	2.4	1.6	.60	300	423
19	12	63	28	93	130	95	5.0	2.0	1.6	.60	200	320
20	11	51	26	82	117	87	4.6	1.8	1.4	.60	150	265
21	10	44	23	74	96	97	4.2	1.4	1.2	1.1	140	220
22	9.7	38	20	64	87	72	4.0	1.2	1.1	.50	250	183
23	9.2	33	20	58	88	58	3.4	1.4	1.0	.70	200	152
24	8.6	29	46	54	78	48	3.4	1.8	1.1	1.4	150	126
25	8.1	27	46	48	68	40	3.2	1.1	1.1	4.0	120	105
26	7.8	25	41	44	62	34	2.9	1.1	.80	7.4	100	89
27	7.3	22	36	40	57	31	2.5	.90	3.6	9.0	80	77
28	7.0	20	33	38	64	31	2.4	.90	2.3	7.8	70	69
29	6.5	21	30	35	103	50	2.2	9.0	1.4	2.2	62	61
30	6.2	29	28	32	-----	49	2.5	1.3	1.8	6.5	52	54
31	5.9	-----	29	30	-----	42	-----	1.2	-----	6.1	44	-----
TOTAL	1,241.3	1,805.0	671	2,349	3,787	1,616	333.4	67.20	88.30	91.70	3,019.1	7,942
MEAN	40.3	63.2	21.6	75.8	131	52.1	11.1	2.17	2.94	2.96	97.4	225
MAX	203	273	66	207	466	134	36	6.3	9.2	9.0	410	838
MIN	5.9	4.7	10	19	24	17	2.4	.90	.80	.40	2.5	38
CFSM	4.6	.89	.25	87	1.49	60	13	0.2	.03	.03	1.11	3.03
IN.	53	.77	.29	1.00	1.61	.69	.14	.03	.04	.04	1.28	3.38

CAL YR 1963 TOTAL 23,011.60 MEAN 62.9 MAX 838 MIN .40 CFSM .72 IN 9.78  
WAT YR 1964 TOTAL 23,011.60 MEAN 62.9 MAX 838 MIN .40 CFSM .72 IN 9.78

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	46	5.6	4.2	1.1	60	6.0	2.6	1.4	1.9	10	2,280	968
2	42	5.0	3.4	1.0	5.90	5.4	2.4	1.4	.50	9.0	1,790	823
3	46	5.0	3.0	.90	1.0	5.4	2.3	1.1	.30	15	1,480	578
4	46	5.0	2.8	.90	70	6.9	2.0	.90	.30	28	1,230	340
5	43	4.7	2.8	.80	70	6.7	1.9	.90	1.6	48	1,120	244
6	40	4.5	3.0	80	80	5.8	1.6	.90	.50	48	865	205
7	38	4.1	2.3	.70	3.8	4.9	1.5	.90	.40	35	606	161
8	37	3.7	2.2	70	5.3	4.3	1.4	.80	1.0	26	358	139
9	33	3.5	2.1	.70	4.2	3.8	1.2	.80	1.1	36	354	205
10	30	3.2	2.0	.60	3.2	3.6	1.1	.80	1.9	56	426	176
11	27	3.1	1.8	.70	2.6	3.1	1.0	.80	31	62	544	144
12	25	2.9	1.7	.80	2.1	2.8	.90	.90	181	219	610	117
13	23	2.9	1.6	.80	1.8	2.7	.80	.90	87	412	660	98
14	22	2.8	1.5	.90	1.7	2.7	.70	.90	111	568	678	82
15	20	2.6	1.4	1.2	1.8	91	.60	.90	102	655	660	70
16	19	2.4	1.4	2.0	1.8	40	.50	.90	77	705	574	71
17	17	2.3	1.4	1.8	2.1	27	.50	1.0	56	692	391	86
18	16	2.3	1.4	1.4	1.6	20	.40	.90	39	596	270	97
19	14	2.1	1.4	1.2	1.5	15	.30	.90	30	378	222	90
20	13	2.1	1.4	1.1	1.4	17	.30	.90	23	399	197	80
21	12	2.1	1.2	1.0	1.4	9.6	.50	.90	18	540	180	71
22	11	2.0	1.2	1.0	1.8	8.3	1.6	.80	14	582	155	63
23	10	1.9	1.0	.90	4.0	7.5	.90	.80	14	566	127	60
24	9.2	1.9	1.0	.90	14	6.6	2.5	.60	18	554	103	50
25	8.5	2.9	.90	1.2	14	5.6	5.8	60	18	470	90	54
26	8.1	2.6	.90	1.2	12	4.9	5.0	.60	14	406	91	55
27	7.5	2.1	1.4	1.1	8.7	4.3	3.5	.50	13	467	144	99
28	7.1	1.9	.90	.90	7.1	4.0	2.5	1.5	13	488	417	150
29	7.0	2.3	1.6	.70	-----	3.7	2.0	.60	13	574	979	179
30	6.4	4.9	1.2	.70	-----	3.2	1.6	.60	13	1,150	1,110	222
31	5.8	-----	1.2	.70	-----	2.9	-----	70	-----	2,350	1,070	-----
TOTAL	697.6	94.9	56.40	30.40	102.60	354.4	49.90	27.00	894.50	13,144.0	19,781	5,773
MEAN	22.5	3.16	1.82	.98	3.66	11.4	1.66	.87	29.8	424	638	192
MAX	54	5.6	4.2	2.0	1.1	91	5.8	1.4	181	2,350	2,280	968
MIN	5.8	1.9	.90	.60	60	2.7	.30	.50	.30	9.0	90	50
CFSM	2.6	.64	.02	.01	.04	.13	.02	.01	.34	4.85	7.29	2.20
IN.	.30	.04	.02	.01	.04	.15	.02	.01	.38	5.59	8.41	2.45

CAL YR 1964 TOTAL 20,142.60 MEAN 55.0 MAX 838 MIN .40 CFSM .63 IN 8.56  
WAT YR 1965 TOTAL 41,005.70 MEAN 112 MAX 2,350 MIN .30 CFSM 1.28 IN 17.43

## COASTAL BASINS BETWEEN MYAKKA RIVER AND ALAFIA RIVER

2-2997 Cow Pen Slough near Bee Ridge, Fla

Location --Lat 27°14'56", long 82°23'10", in E $\frac{1}{2}$  sec 22, T 37 S, R 19 E, near right bank on downstream side of bridge on State Highway 72, 6 $\frac{1}{2}$  miles southeast of Bee Ridge, Sarasota County, and 13 miles upstream from U S Highway 41

Drainage area --38 sq mi, approximately

Records available --January 1963 to September 1965

Gage --Water-stage recorder Datum of gage is 10 00 ft above mean sea level, datum of 1929, staff gage at mean sea level

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (350 cfs), January 1963 to September 1965											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Aug 23, 1963	0001	395	11 65	Sept 6, 1964	1630	* 394	11 65	Aug 1, 1965	-	a 2,940	b14 69
Feb 7, 1964	1200	383	11 61								

a Estimated

b From floodmark

Annual minimum discharges, January 1963 to September 1965							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1963	May 9, 13-23, 1963	0	a 6 51	1965	Many days	0	c 6 22
1964	June 20-28, 1964	0	b 6 66				

a Occurred May 23, 1963

b Occurred June 28, 29, 1964

c Occurred May 24, 1965

1963-65 Maximum discharge, 2,940 cfs Aug 1, 1965, estimated (gage height, 14 69 ft, from floodmark), no flow at times in most years, minimum gage height, 6 22 ft May 24, 1965

Flood of Sept 21, 1962, reached a stage of 15 86 ft, observed (discharge, 4,110 cfs)

Remarks --Records good except those for period of no gage-height record, which are poor Records of chemical analyses for the water years 1962, 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				-	2.5	174	1.2	.60	.10	152	31	22
2				-	2.1	109	1.1	.70	.10	111	27	18
3				-	1.9	96	1.2	.60	.90	88	44	47
4				-	4.0	48	1.3	.50	1.6	122	58	67
5				-	5.1	36	1.0	.20	4.4	144	54	80
6				-	4.5	26	1.0	.20	16	132	46	95
7				-	4.3	18	1.0	.10	14	93	36	89
8				-	4.2	13	.80	0	23	56	58	68
9				-	3.6	10	.90	0	11	30	54	52
10				-	3.3	14	1.0	.50	6.7	17	38	41
11				-	3.0	16	1.7	20	4.8	11	26	30
12				-	29	16	1.7	.10	3.5	7.8	17	21
13				-	58	12	1.0	0	7.0	6.2	11	16
14				* 1.4	73	8 8	.80	0	30	5.2	8.6	11
15				-	68	7 2	.70	0	54	4.3	8.4	8.6
16				-	44	5.8	.80	0	68	3.6	8.0	7.8
17				-	43	5.0	.90	0	56	5.8	6.7	7.2
18				-	42	4.3	2.7	0	30	20	7.3	9.3
19				-	70	3.9	1.8	0	12	14	44	16
20				-	102	3.5	1.0	0	7.0	13	96	35
21				-	113	3.0	.60	0	4.7	9.3	212	62
22				-	102	2.4	.60	0	3.8	6.7	342	79
23				-	63	2.1	.50	0	8.6	13	352	151
24				-	38	1.9	.50	.70	34	58	237	236
25				-	26	1.8	.40	2.0	38	70	210	272
26				-	58	1.7	.30	1.0	36	75	159	189
27				-	135	1.6	.30	.50	60	81	132	141
28				-	231	1.5	1.7	.40	90	84	95	98
29				-	-----	1.8	1.9	.50	138	74	64	69
30				-	2 1	-----	1.8	.30	185	56	43	54
31				-	2 2	-----	1.3	.20	-----	38	30	-----
TOTAL				-	1,333.5	617.4	31.30	9.50	948.20	1,600.9	2,575.0	2,091.9
MEAN				-	47.6	19.9	1.04	.31	31.6	51.6	83.1	69.7
MAX				-	231	174	2.7	2.0	185	152	352	272
MIN				-	1.9	1.3	.30	0	.10	3.6	6.7	7.2
CFSM				-	1.25	.52	.90	.008	.83	1.36	2.19	1.84
IN.				-	1.31	.60	.03	.009	.93	1.57	2.52	2.05

\* Result of discharge measurement

2-2997 Cow Pen Slough near Bee Ridge, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	42	1 1	4.0	10	9.6	91	106	1.2	.20	15	29	12
2	35	1.0	3.6	8.2	7.5	41	77	2.4	.20	29	27	16
3	79	1 0	3.3	6 7	7.2	36	51	1 6	20	15	14	62
4	24	1 0	3.2	6.0	18	25	30	3 5	.30	6.6	9.0	173
5	19	1 0	3.1	5.5	143	22	21	4 6	.60	6.1	7.0	190
6	14	1.1	3.0	5 2	239	19	15	3.1	50	11	6.3	363
7	7 3	1.0	2 2	27	366	15	11	2.0	30	7.6	6.4	297
8	7 0	1 0	2.7	52	243	11	8 8	1 5	.20	3.4	6 5	143
9	5.0	.90	2.6	56	159	9 7	7.2	1.2	.20	1.9	12	102
10	4.6	28	2 5	52	122	7.8	4.9	1 1	.20	1.4	9.4	210
11	4.0	38	2.4	37	33	0.5	4.4	.90	.20	.90	8.4	156
12	3.4	68	2 4	84	68	5 5	3.4	.90	.20	.70	7.8	123
13	3.0	62	2.3	137	52	4 7	2.8	.90	.20	.40	6.8	101
14	2.8	54	2.2	168	43	3.1	3 0	1.6	.20	.30	6.1	85
15	2 6	41	2.5	169	38	3 9	2.5	1 6	.10	.20	6.5	80
16	2 4	28	2.4	125	35	4 0	2.0	1 0	.10	.20	9 0	118
17	2.7	19	3.6	83	30	12	1 9	90	.10	.30	10	165
18	2.0	14	6.2	65	34	21	1.6	.80	.10	.60	14	191
19	1.9	9 9	6 6	53	69	19	1.6	70	.10	1.1	28	146
20	1.8	8 2	6 7	46	77	15	1.4	.70	0	.50	25	102
21	1.6	0 2	6 2	40	81	12	1.2	.60	0	.30	24	68
22	1.6	0 0	5.2	32	71	8.3	1.2	50	0	.30	44	42
23	1.6	5.2	7.1	27	74	6.1	1.1	60	0	.90	56	29
24	1.6	4.8	4.2	24	39	5.2	1 1	70	0	1.8	69	21
25	1.5	4 8	5.4	20	30	4.9	1.1	50	0	7.8	84	16
26	1.5	4 6	57	18	22	5.5	1.0	40	0	25	61	12
27	1 4	4.3	48	16	21	4.3	1.0	30	0	16	37	10
28	1.4	4 2	33	14	32	32	1.1	40	0	11	25	9.0
29	1 2	4.7	22	14	50	96	1 3	.40	10	50	18	7 6
30	1.1	4 5	15	11	-----	109	1.1	30	3.1	38	15	6.8
31	1 0	-----	12	9.6	-----	121	-----	.70	-----	23	15	-----
TOTAL	231.3	429.10	369.5	1,421.2	2,252.6	743.5	367.7	36.90	7.40	276.50	695.6	3,022.4
MEAN	7.46	14.3	11.9	45.3	71.7	24.0	12.3	1.19	.25	8.92	22.4	94.4
MAX	42	68	57	169	366	121	106	4 6	3.1	50	84	369
MIN	1.0	.90	2.3	5.2	7.2	3.9	1.0	.20	0	.20	5.4	6.8
CFSM	.20	.88	.31	1.21	2 04	63	32	03	.006	.23	.59	2.65
IN.	.23	42	.36	1.39	2.70	73	36	04	.007	.27	.68	2.96
CAL YR 1963	TOTAL	9,854.10	MEAN	26 9	MAX	369	MIN	0	CFSM	.71	IN	9.64
WAT YR 1964	TOTAL	9,854.10	MEAN	26 9	MAX	369	MIN	0	CFSM	.71	IN	9.64

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.3	1 6	.60	.20	1.1	1.9	1.0	.10	.90	21	2,800	141
2	5.7	1.0	.50	.20	1.5	2.0	.90	0	.50	21	2,000	77
3	5.9	1 1	.50	.20	2.0	2.7	.90	0	.30	70	1,500	60
4	6.3	1 0	.60	.20	30	9 0	.80	0	10	86	1,000	50
5	9.7	1 2	1.0	.20	30	17	.70	0	0	74	600	38
6	11	1.1	.90	.20	40	17	.60	0	0	63	500	33
7	9.9	.90	.70	.20	1.3	10	.50	0	0	50	450	21
8	8 1	.80	.70	.20	1.0	5 7	.40	0	1.3	46	400	16
9	7.2	.70	.70	.20	1 5	4 0	.20	0	18	70	370	30
10	6.1	.70	.50	.20	1.1	3 0	.20	0	14	90	350	41
11	5.2	.60	.30	.20	.70	2.3	.20	0	54	85	400	53
12	4.6	.60	.30	.20	.70	2.1	.20	0	184	102	370	56
13	4.1	.60	.30	.30	1.5	1 9	70	0	147	141	350	46
14	3.7	.50	.30	.40	1.3	1 6	.90	0	100	147	320	26
15	3.6	.50	.30	.70	1.2	1 2	.50	0	86	133	300	14
16	3.3	.50	.20	1.2	1.1	90	.50	0	68	117	350	12
17	3.0	.50	.20	1.1	.90	70	.70	0	48	108	330	11
18	2.8	.60	.26	.70	70	50	1.0	0	42	92	340	21
19	2.4	.70	.20	1.1	.60	.40	.80	0	50	82	360	47
20	2.2	70	.20	.70	.70	1 4	70	0	43	72	400	62
21	2.4	.90	.20	.50	.80	1.2	.50	0	30	66	370	64
22	2.0	.90	.20	.50	.90	1 0	.40	0	26	250	340	50
23	1.7	.80	.20	.50	2.5	.90	.30	0	35	800	300	34
24	1.5	.80	.20	.60	2.6	.90	.40	0	29	686	270	46
25	1.3	1 2	.20	.50	2 2	90	.50	0	21	460	250	113
26	1.2	1.2	.20	.50	2.2	.90	.70	0	18	400	220	110
27	1.1	1 6	.50	.40	2 4	1.0	50	0	27	500	270	138
28	1.2	1.8	.40	.30	2.3	1.0	.30	0	31	360	350	101
29	1.1	1.1	.30	.30	-----	1 0	.20	0	29	700	400	92
30	1.0	.90	.20	.30	-----	1.0	.10	0	25	1,500	401	102
31	1.0	-----	.20	.30	-----	1.0	-----	1.0	-----	7,200	247	-----
TOTAL	126.4	26.50	12.00	13.30	34.50	96.10	16.10	1.10	1,128.10	9,832	16,908	1,705
MEAN	4.08	.88	.39	.43	1.23	3.10	.53	.016	37.6	317	545	56.8
MAX	11	1.8	1.0	1.2	2.8	17	1.0	1.0	184	2,200	2,800	141
MIN	1.0	.50	.20	.20	.30	.40	.10	0	0	21	220	11
CFSM	.11	.02	.01	.01	.03	.08	.01	.0009	.99	8.35	14.4	1.50
IN.	.12	.03	.01	.01	.03	.09	.02	.001	1.10	9.62	16.5	1.67
CAL YR 1964	TOTAL	4,968.70	MEAN	24.6	MAX	369	MIN	0	CFSM	.65	IN	8.80
WAT YR 1965	TOTAL	4,968.70	MEAN	24.6	MAX	369	MIN	0	CFSM	.65	IN	8.80

Note --No gage-height record Aug 1-28

## 2-2997 5 Phillippi Creek near Sarasota, Fla

Location --Lat 27°18'30", long 82°27'06", in E½ sec 36, T 36 S, R 18 E, near center of span on downstream side of bridge on State Highway 785, 0.2 mile downstream from Main-C Canal and 2½ miles southeast of Sarasota city limits, Sarasota County

Drainage area --24 sq mi, approximately

Records available --January 1963 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (Smally, Wellford, and Naiven, Consulting Engineers bench mark)

Extremes --1963 Maximum discharge during period January to September, 709 cfs Sept 23 (gage height, 15.27 ft), minimum, 2.5 cfs May 21, 22, minimum gage height, 6.92 ft Jan 31, Apr 15, 16, May 21, 22

1963-64 Maximum discharge during water year, 710 cfs Sept 10, maximum gage height, 14.09 ft Feb 5, minimum discharge, 3.3 cfs Oct 19 (gage height, 7.18 ft)

1964-65 Maximum discharge during water year, 826 cfs July 30 (gage height, 15.92 ft), minimum, 0.30 cfs Mar 12 minimum gage height, 7.01 ft Dec 2, 11, 12

Flood of Sept 21, 1962, reached a stage of 21.25 ft, from floodmarks (discharge, 2,060 cfs)

Remarks --Records fair except those for periods of shifting control, which are poor. Some regulation from agricultural developments upstream. Records of chemical analyses for the water years 1962-65 and of water temperatures for the water years 1963-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1				-	8.2	41	6.0	4.7	3.4	19	20	15
2				-	8.5	38	6.0	4.3	3.3	12	23	17
3				-	16	32	6.2	4.7	4.0	14	22	34
4				-	34	30	7.0	4.4	4.8	14	29	27
5				-	26	26	6.5	3.6	3.9	11	21	21
6				-	23	24	6.2	3.5	3.7	9.9	22	14
7				-	22	23	7.0	3.6	4.0	9.5	28	13
8				-	18	18	5.8	3.6	4.0	9.1	25	14
9				-	17	19	5.8	3.6	4.2	8.9	31	16
10				-	16	26	5.7	3.6	4.2	8.7	24	35
11				-	15	22	5.2	3.4	4.2	8.9	19	23
12				-	279	19	4.7	3.5	4.3	8.5	17	8.7
13				-	74	16	4.9	3.4	18	7.7	16	8.4
14				* 7.4	37	13	4.8	3.3	13	7.8	16	11
15				-	30	13	4.4	3.3	6.0	7.5	16	19
16				-	41	12	3.9	3.2	5.3	8.4	15	31
17				-	47	12	4.2	3.0	6.1	15	15	22
18				-	34	12	4.4	3.0	4.9	23	16	34
19				-	177	10	4.5	3.0	3.9	15	23	69
20				-	85	9.8	4.4	2.8	3.9	12	50	50
21				-	40	9.2	4.3	2.6	4.0	11	36	51
22				-	36	8.8	4.1	2.7	4.2	11	49	181
23				-	30	8.0	4.1	3.0	5.2	32	34	465
24				-	26	7.8	4.1	4.0	12	45	26	143
25				-	20	8.0	3.9	7.3	9.8	28	21	78
26				-	227	7.2	3.9	4.2	8.4	20	37	49
27				-	139	7.0	3.7	3.3	10	17	43	42
28				-	55	7.0	3.7	3.4	13	16	28	27
29				-	-----	6.0	3.7	3.3	22	28	22	78
30				-	-----	5.8	3.9	3.6	19	34	19	27
31		-----		6.8	-----	6.0	-----	3.6	-----	23	16	-----
TOTAL				-	1,573.7	496.6	147.0	112.5	216.7	494.9	779	1,573.1
MEAN				-	50.4	16.0	4.90	3.63	7.22	16.0	25.1	52.4
MAX				-	279	41	7.0	7.3	22	45	50	465
MIN				-	8.2	5.8	3.7	2.6	3.3	7.5	15	8.4

\* Result of discharge measurement

2-2997 5 Phillippi Creek near Sarasota, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	6.5	13	16	23	40	21	11	6.0	26	42	66
2	31	6.1	15	14	22	34	15	16	5.8	25	40	156
3	21	8.5	14	14	23	33	16	13	5.8	19	34	292
4	18	7.7	15	15	57	26	16	11	5.9	14	32	432
5	14	7.5	12	15	336	26	16	11	5.9	13	31	457
6	14	6.2	14	14	170	27	16	10	6.0	16	32	327
7	12	5.3	14	85	80	25	15	10	5.8	14	29	161
8	11	5.0	14	54	85	24	14	11	5.7	12	35	81
9	11	5.2	13	39	56	23	14	11	5.8	12	51	55
10	9.5	132	10	23	45	22	14	11	5.9	12	38	475
11	8.5	49	8.7	25	39	21	14	11	6.6	12	34	183
12	8.1	81	11	298	30	19	13	11	6.4	11	31	110
13	9.5	34	12	135	30	19	13	11	6.3	11	28	86
14	9.1	23	12	48	31	18	13	13	5.9	11	26	58
15	7.9	17	14	38	31	18	13	11	8.6	10	31	187
16	7.3	12	9.9	34	33	21	12	9.8	6.2	10	95	310
17	6.0	10	38	36	31	40	11	9.1	5.3	10	84	138
18	7.7	11	23	34	94	27	11	8.8	5.2	10	69	69
19	5.4	14	16	29	122	21	11	8.4	5.6	13	51	46
20	4.6	16	12	27	59	19	11	8.6	5.4	14	49	38
21	5.6	13	8.3	26	44	19	12	7.3	5.5	11	198	34
22	4.0	12	9.5	24	49	16	11	6.9	5.5	10	212	29
23	3.8	12	80	24	43	13	11	7.4	5.5	14	84	26
24	4.7	14	116	23	36	11	11	8.0	6.0	28	162	24
25	5.4	14	44	27	31	10	10	6.8	6.4	48	272	21
26	6.0	12	25	23	30	11	9.7	6.5	7.1	82	120	14
27	8.1	12	12	19	31	14	9.7	6.3	7.3	40	73	14
28	8.5	14	19	23	66	75	11	6.3	6.9	50	60	18
29	6.5	17	20	23	56	68	12	6.3	7.0	125	46	17
30	6.0	15	18	21	-----	31	11	6.1	16	75	46	18
31	6.2	-----	22	27	-----	24	-----	6.1	-----	46	48	-----
TOTAL	301.4	594.0	660.4	1,248	1,783	795	387.4	290.7	193.8	804	2,183	3,942
MEAN	9.72	19.8	21.3	40.3	61.5	25.6	12.9	9.38	6.46	25.9	70.4	131
MAX	31	132	116	298	336	75	21	16	16	125	272	475
MIN	3.8	5.0	8.3	14	22	10	9.7	6.1	5.2	10	26	14

CAL YR 1963 TOTAL 13,182.7 MEAN 36.0 MAX 475 MIN 3.8  
WAT YR 1964 TOTAL 13,182.7 MEAN 36.0 MAX 475 MIN 3.8

Note --Shifting-control method used Feb 21 to Mar 28, Apr 1 to July 25

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	6.5	2.7	5.9	2.3	7.7	2.8	1.9	3.0	3.7	497	51
2	15	5.9	2.5	5.1	4.8	1.5	3.1	2.0	2.0	37	180	40
3	16	5.6	2.9	5.4	4.0	22	3.4	2.2	1.6	74	78	35
4	16	5.1	3.8	5.9	3.5	68	3.7	1.9	1.4	40	62	30
5	18	4.3	14	4.8	3.5	9.1	4.2	1.9	1.7	22	165	33
6	16	4.1	8.2	2.7	4.2	4.4	3.6	1.7	3.1	15	129	41
7	14	4.3	4.8	2.2	13	1.1	4.1	1.7	3.1	12	53	29
8	14	5.1	4.1	2.2	3.7	1.4	4.1	1.5	6.3	13	67	34
9	13	4.8	3.8	2.0	7.1	1.7	4.1	1.4	9.5	42	25	38
10	12	4.8	3.4	2.9	6.0	1.7	3.9	1.3	11	36	52	79
11	12	4.3	2.5	6.7	5.6	1.1	4.1	1.2	61	63	120	24
12	12	3.8	2.5	4.3	4.6	40	3.9	1.1	247	149	135	22
13	12	3.6	4.1	4.1	4.6	.60	3.6	1.3	76	86	73	19
14	22	3.8	7.0	4.6	5.8	.60	3.1	1.1	21	52	25	17
15	10	4.8	6.5	26	6.4	2.5	2.8	1.2	13	41	19	16
16	7.9	4.6	4.8	15	5.8	2.8	3.0	1.3	9.9	28	15	17
17	7.6	3.6	3.8	6.2	8.1	2.6	2.8	1.1	7.0	35	13	23
18	7.9	4.8	4.6	3.5	7.3	3.0	2.4	1.2	6.0	94	20	30
19	8.5	4.3	4.1	2.3	6.7	2.8	2.2	1.0	4.9	52	36	22
20	9.2	4.3	3.2	2.2	6.4	1.8	1.7	1.0	3.7	33	33	17
21	7.0	3.6	3.8	2.9	6.7	2.2	1.6	.80	2.8	28	12	15
22	7.0	2.7	4.6	3.4	8.1	2.5	2.5	.90	3.9	115	6.0	14
23	6.7	2.7	3.6	3.6	70	3.2	3.1	.80	8.1	88	4.6	40
24	6.5	2.7	5.4	4.1	17	3.0	2.4	.80	5.3	44	9.5	233
25	6.7	8.2	5.1	4.2	14	3.0	3.1	1.0	4.2	40	4.2	346
26	7.9	5.1	5.4	4.1	11	2.4	2.6	1.0	3.7	55	5.1	225
27	6.5	3.8	16	3.6	10	2.4	2.5	1.0	7.0	64	209	253
28	6.2	4.1	15	2.7	10	2.6	2.6	1.1	6.0	41	284	134
29	6.5	4.6	8.5	2.0	-----	2.8	2.5	2.9	4.6	138	196	130
30	5.6	4.6	6.5	2.7	-----	2.5	1.9	5.1	4.6	564	102	103
31	5.9	-----	6.2	3.0	-----	2.5	-----	7.7	-----	716	66	-----
TOTAL	331.6	134.3	173.6	149.8	215.2	179.40	91.4	52.10	542.4	2,820.7	2,695.4	2,060
MEAN	10.7	4.48	5.60	4.83	7.69	5.79	3.05	1.68	18.1	91.0	86.9	68.7
MAX	22	6.2	16	26	20	69	4.2	7.7	247	716	497	346
MIN	5.6	2.7	2.5	2.0	2.3	.40	1.6	.80	1.4	3.7	4.2	14

CAL YR 1964 TOTAL 12,266.4 MEAN 33.5 MAX 475 MIN 2.5  
WAT YR 1965 TOTAL 9,443.90 MEAN 25.9 MAX 716 MIN .40



## 2-3000 Manatee River near Bradenton, Fla

Location --Lat 27°28'30", long 82°18'05", in SW 1/4 sec 34, T 34 S, R 20 E, on left bank 150 ft upstream from bridge on State Highway 675, 800 ft upstream from Craig Branch, 6 1/2 miles northwest of Verna, and 17 miles east of Bradenton, Manatee County

Drainage area --80 sq mi (revised), approximately

Records available --April 1939 to September 1965 Monthly discharge only for April 1939, published in WSP 1804

Gage --Digital water-stage recorder Datum of gage is 11 72 ft above mean sea level, datum of 1929 Prior to May 21, 1965, graphic water-stage recorder at same site and datum

Average discharge --26 years, 109 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,100 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Aug 27, 1961	0700	* 1,220	16 87	Feb 27, 1963	2200	1,190	17 56	Feb 6, 1964	1230	* 684	13 48
				July 3, 1963	1500	2,150	20 78				
Aug 23, 1962	0630	1,180	17 49	Sept 19, 1963	1700	* 3,700	22 37	July 22, 1965	1900	* 3,440	22 13
Sept 21, 1962	0900	* 9,420	a 25 79	Sept 24, 1963	0030	1,750	19 87	Aug 1, 1965	0330	1,520	18 67
a From Floodmark											
Annual minimum discharge, water years 1961-65											
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 22-25, 1961	4 4	3 60	1964	June 24-26, 1964	3 6	3 70				
1962	May 30, 1962	4 8	3 74	1965	June 4, 1965	1 7	3 56				
1963	May 19-23, 1963	5 0	3 94								

1939-65 Maximum discharge, 9,420 cfs Sept 21, 1962 (gage height, 25 79 ft, from floodmark), minimum, 0 60 cfs May 7, 1939, minimum gage height, 2 48 ft May 5-7, 1939

Remarks --Records good Records of chemical analyses and water temperatures for the water years 1962-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	488	50	12	19	27	70	40	6.4	7.7	105	13	297
2	487	45	12	19	24	73	35	7.2	6.8	70	37	194
3	485	42	12	18	41	19	30	6.6	6.0	63	32	140
4	183	35	11	18	103	17	75	6.4	5.8	68	26	113
5	133	29	11	17	96	23	20	6.6	5.4	52	32	95
6	103	26	11	17	77	73	16	6.6	5.1	43	25	86
7	99	23	11	17	770	20	19	6.0	5.4	34	17	73
8	262	27	11	17	773	18	72	5.8	7.0	29	13	58
9	506	20	11	32	735	18	70	5.8	8.8	24	16	51
10	593	19	11	44	334	16	17	7.9	11	35	21	135
11	392	18	12	39	214	16	15	7.0	9.9	73	22	368
12	247	18	14	35	140	14	14	7.0	8.8	75	19	98
13	168	18	16	111	100	32	16	7.2	17	90	15	59
14	118	17	18	195	78	150	14	6.4	19	91	15	41
15	90	17	25	158	65	134	13	5.8	23	64	42	33
16	74	16	38	98	50	96	13	5.4	16	44	214	34
17	64	16	39	69	48	72	13	5.3	12	32	416	30
18	56	16	36	52	47	54	12	5.1	14	25	910	27
19	50	15	29	41	39	44	11	5.1	13	30	965	24
20	43	15	25	34	35	37	9.9	4.9	10	51	591	22
21	40	14	25	31	33	32	9.1	4.9	8.6	45	382	23
22	36	14	26	28	30	28	8.6	4.7	8.3	51	260	27
23	33	14	26	26	28	24	8.1	4.6	7.9	85	183	19
24	30	13	26	24	26	22	7.9	4.6	7.4	68	119	17
25	28	13	24	23	25	20	7.7	4.6	7.9	44	137	15
26	26	13	22	22	24	18	7.4	14	16	46	760	14
27	24	13	21	22	23	16	7.2	22	21	72	1,180	13
28	23	13	20	22	22	15	7.0	22	34	49	929	12
29	22	13	20	27	-----	14	6.6	17	32	68	756	11
30	21	13	19	32	-----	13	6.6	12	58	42	670	11
31	30	-----	19	30	-----	14	-----	8.8	-----	26	322	-----
TOTAL	4,758	610	613	1,337	3,593	1,061	451.1	745.7	412.8	1,694	8,944	2,140
MEAN	153	20.3	19.8	43.1	128	34.2	15.0	7.93	13.8	54.6	289	71.3
MAX	593	50	39	195	778	150	40	22	58	105	1,180	368
MIN	21	13	11	17	22	13	6.6	4.6	5.1	24	13	11
CFSM	1.92	.25	.25	.54	1.60	.43	.19	.10	.17	.68	3.61	.89
IN.	2.21	.28	.28	.62	1.67	.49	.21	.11	.19	.79	4.16	.99

CAL YR 1960 TOTAL 73,683.2 MEAN 215 MAX 7,260 MIN 5.2 CFSM 2.69 IN 36.58  
WAT YR 1961 TOTAL 25,859.6 MEAN 70.8 MAX 1,180 MIN 4.6 CFSM .89 IN 12.02

Note --Shifting-control method used Dec 17 to Jan 13

## 2-3000 Manatee River near Bradenton, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	5.9	6.1	8.0	7.6	5.5	18	7.4	20	317	133	552
2	10	5.9	6.1	8.5	7.4	5.3	34	7.2	33	275	106	352
3	9.7	5.7	5.9	9.7	7.2	5.5	61	7.0	30	196	77	246
4	9.5	5.7	5.7	9.2	7.2	5.5	48	7.0	40	118	177	200
5	9.2	5.5	5.7	8.5	7.2	5.7	32	11	34	78	214	382
6	9.0	5.5	5.7	9.0	7.4	5.7	23	14	22	55	175	329
7	8.7	5.5	5.7	10	7.6	5.7	69	14	15	40	245	268
8	8.5	5.5	5.7	10	7.8	5.5	236	10	12	30	263	190
9	8.3	5.5	5.5	10	7.8	5.5	148	8.8	12	28	348	221
10	7.8	5.5	5.5	10	9.0	5.3	95	7.8	21	25	520	260
11	7.8	5.5	5.3	9.7	8.0	5.2	62	7.0	56	24	644	776
12	7.8	5.3	5.3	10	8.0	5.7	42	7.0	107	82	712	316
13	7.8	5.3	5.7	12	7.6	7.4	29	10	91	196	278	172
14	8.0	5.2	5.7	12	7.4	7.4	22	9.8	93	237	213	141
15	7.8	5.2	5.7	11	7.2	7.8	19	8.0	125	234	296	128
16	7.8	5.2	5.7	10	7.2	9.5	16	7.2	188	195	318	110
17	7.8	5.2	5.7	9.7	7.2	11	15	6.6	278	119	334	95
18	7.6	5.3	5.7	9.5	7.0	10	14	6.2	326	88	433	101
19	7.4	5.3	6.7	9.2	7.6	9.0	13	5.8	470	67	518	130
20	7.0	5.3	7.6	8.7	7.2	7.6	12	5.6	298	64	315	1,230
21	6.7	5.2	7.6	8.5	6.7	7.0	11	5.5	280	75	367	7,960
22	6.7	5.2	7.8	8.5	6.5	6.7	11	5.3	270	58	740	3,420
23	6.7	5.3	7.4	9.7	6.3	13	10	5.1	241	46	1,020	1,380
24	6.7	6.7	7.2	10	6.1	19	9.6	5.6	174	36	708	741
25	6.5	7.2	7.0	10	5.9	126	9.4	7.6	144	37	885	381
26	6.3	7.8	6.7	9.5	5.7	147	9.0	7.6	95	56	807	251
27	6.1	7.2	6.7	8.7	5.5	94	8.0	6.4	74	52	621	191
28	5.9	7.0	7.2	8.5	5.5	58	8.2	5.5	60	42	358	153
29	5.9	6.5	7.2	8.0	-----	33	8.0	5.1	57	34	293	131
30	5.9	6.3	7.2	7.8	-----	22	7.6	5.0	92	85	544	141
31	5.9	-----	7.4	7.8	-----	18	-----	5.3	-----	156	928	-----
TOTAL	236.8	174.4	196.1	291.7	199.4	677.5	1,100.4	211.4	3,758	3,145	13,590	20,948
MEAN	7.64	5.81	6.33	9.41	7.12	21.9	36.7	7.46	125	101	438	698
MAX	10	7.8	7.8	12	9.0	147	236	14	470	317	1,020	7,960
MIN	5.9	5.2	5.3	7.8	5.5	5.2	7.6	5.0	12	24	77	95
CFSM	10	10	10	12	10	27	46	46	1.57	1.27	5.48	8.73
IN	11	108	109	114	109	31	51	11	1.75	1.46	6.32	9.74
CAL YR 1961	TOTAL 20,485.9	MEAN 56.1	MAX 1,180	MIN 4.6	CFSM .70	IN 9.52						
WAT YR 1962	TOTAL 44,548.7	MEAN 122	MAX 7,960	MIN 5.0	CFSM 1.53	IN 20.71						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	176	19	18	14	23	511	13	7.2	67	279	219	50
2	126	18	18	13	21	309	12	7.1	46	236	228	102
3	142	19	17	13	22	270	12	8.4	33	1,400	327	467
4	678	19	16	12	56	318	11	9.0	102	1,280	415	153
5	272	18	16	12	72	233	11	9.0	98	439	270	90
6	135	18	16	14	79	151	10	8.0	54	212	227	80
7	101	16	16	23	75	111	11	7.2	83	135	146	163
8	81	30	16	27	60	84	10	6.4	81	88	98	73
9	66	125	16	29	48	74	10	6.3	50	59	68	46
10	60	123	16	24	38	105	9.9	6.0	36	49	64	36
11	59	102	16	21	31	86	9.4	5.7	29	53	72	30
12	55	77	16	19	473	72	9.4	5.7	26	64	59	26
13	46	66	15	17	657	60	9.0	5.5	61	66	54	24
14	38	53	16	17	489	52	8.7	5.5	47	47	47	22
15	33	44	16	25	249	44	8.0	5.7	29	38	40	21
16	30	38	16	31	168	40	8.0	6.0	24	89	36	20
17	27	33	16	30	179	36	7.4	5.7	22	268	32	70
18	26	29	16	26	161	31	7.1	5.4	17	182	79	250
19	24	27	15	23	270	29	7.2	5.2	17	96	599	2,050
20	22	26	15	20	411	26	6.9	5.1	17	53	574	1,830
21	21	25	14	21	310	24	6.8	5.2	14	40	452	711
22	30	24	14	22	198	22	6.8	5.2	12	32	254	605
23	44	23	14	23	134	20	7.2	5.5	11	502	199	1,280
24	36	23	14	21	100	19	6.8	6.0	16	632	168	1,360
25	29	21	14	22	85	18	6.6	15	197	557	109	779
26	24	20	14	24	471	17	6.4	14	510	660	71	444
27	21	19	14	36	1,140	16	6.3	17	418	390	60	300
28	19	15	14	47	1,000	15	6.3	54	479	212	216	223
29	17	18	13	38	-----	15	6.1	108	487	142	210	173
30	17	18	14	32	-----	14	6.0	233	373	134	120	139
31	18	-----	14	27	-----	13	-----	136	-----	371	71	-----
TOTAL	2,475	1,110	474	723	7,020	2,835	255.8	729.0	3,459	8,805	5,584	11,562
MEAN	79.5	37.0	15.3	23.3	251	91.5	8.53	23.5	111	284	180	352
MAX	678	125	18	47	1,140	511	13	233	510	1,400	599	2,050
MIN	17	16	13	12	21	13	6.0	5.1	11	32	32	20
CFSM	1.00	1.46	1.19	1.29	3.13	1.14	1.11	1.29	1.44	3.55	2.25	4.82
IN	1.15	1.52	1.22	1.34	3.26	1.32	1.12	1.34	1.61	4.09	2.60	5.37
CAL YR 1962	TOTAL 44,000.4	MEAN 132	MAX 7,960	MIN 5.0	CFSM 1.64	IN 22.31						
WAT YR 1963	TOTAL 45,031.8	MEAN 123	MAX 2,050	MIN 5.1	CFSM 1.54	IN 20.93						

## 2-3000 Manatee River near Bradenton, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	114	14	27	64	43	134	144	17	6.0	5.5	35	59
2	122	14	25	58	39	108	104	57	5.8	20	29	71
3	133	14	23	53	37	85	80	102	5.5	23	40	121
4	107	15	24	48	79	68	63	88	6.0	20	23	242
5	77	16	21	43	59	98	53	58	7.4	20	18	282
6		16	20	41	658	51	45	42	8.3	26	16	242
7	50	15	19	120	518	44	39	30	8.8	23	28	289
8	44	16	19	208	360	39	34	24	7.7	16	34	178
9	49	15	18	193	278	35	31	20	7.7	11	33	109
10	36	193	17	144	217	31	29	17	10	8.5	140	90
11	32	291	17	108	166	28	27	15	12	7.7	115	66
12	30	398	16	405	131	26	25	14	11	7.1	384	66
13	28	376	16	616	108	24	23	12	8.5	6.6	273	72
14	27	254	16	536	91	21	21	12	7.1	6.0	130	190
15	25	172	23	310	79	20	19	12	6.0	5.5	138	204
16	24	166	26	208	74	25	18	15	5.5	5.2	502	151
17	24	97	50	172	70	167	17	15	5.2	4.7	409	141
18	23	76	84	164	127	67	16	13	5.5	4.4	253	116
19	22	62	75	148	358	47	15	11	5.8	4.4	312	87
20	21	52	59	129	321	50	15	10	6.0	6.3	227	66
21	20	46	46	116	211	73	14	9.1	5.2	10	527	53
22	18	39	37	101	156	60	13	8.3	4.4	7.1	374	44
23	18	35	78	86	139	40	13	7.7	4.1	8.5	155	38
24	18	32	296	75	120	31	13	7.7	4.1	9.7	94	34
25	17	31	284	66	103	26	13	7.4	3.9	17	81	29
26	17	30	209	64	88	23	12	7.4	4.4	49	77	26
27	16	23	143	60	77	26	12	7.1	4.7	44	49	24
28	15	27	112	58	91	220	13	6.6	5.8	41	38	24
29	15	26	93	54	138	642	15	7.1	5.2	31	30	24
30	14	28	81	51	-----	499	14	7.1	5.5	33	30	22
31	14	-----	73	47	-----	234	-----	6.6	-----	53	51	-----
TOTAL	1,221	2,557	2,047	4,546	5,416	3,022	950	666.1	193.1	534.2	4,635	3,160
MEAN	39.4	85.2	66.0	147	177	97.5	31.7	21.5	6.44	17.2	150	105
MAX	133	398	296	616	658	642	144	102	12	53	522	289
MIN	14	14	16	41	37	20	12	6.6	3.9	4.4	16	22
CFSM	.49	1.07	.83	1.83	2.33	1.22	.40	.27	.08	.22	1.87	1.32
IN.	.57	1.19	.95	2.11	2.52	1.40	.44	.31	.09	.25	2.15	1.47

CAL YR 1963 TOTAL 46,797.8 MEAN 128 MAX 2,050 MIN 5.1 CFMS 1.60 IN 21.76  
WAT YR 1964 TOTAL 29,947.4 MEAN 79.1 MAX 658 MIN 3.9 CFMS .99 IN 13.46

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	22	11	36	15	12	32	15	7.7	4.0	96	1,400	166
2	29	11	24	14	13	90	14	7.4	3.5	72	926	110
3	145	11	20	14	14	423	13	6.6	3.2	55	495	64
4	115	12	18	13	16	916	12	6.3	3.4	43	329	52
5	96	11	20	13	15	566	11	5.8	3.4	38	474	38
6	61	17	31	13	14	296	10	5.6	3.0	34	283	31
7	52	12	33	12	25	188	9.8	5.4	5.2	165	186	26
8	54	11	25	11	47	134	9.4	5.2	8.5	181	170	86
9	45	11	20	11	44	97	8.9	5.1	28	352	479	186
10	38	11	18	11	30	76	8.7	4.9	27	190	258	81
11	32	11	16	11	23	60	8.7	4.8	97	340	310	49
12	28	10	15	11	20	50	8.5	4.8	350	462	203	35
13	26	10	14	12	18	42	8.3	4.6	475	671	291	28
14	25	11	14	12	16	38	8.1	4.4	255	726	142	24
15	25	13	14	17	16	36	7.6	4.2	113	588	99	22
16	24	9.7	14	25	16	34	7.4	4.2	67	331	82	25
17	22	9.1	14	28	18	32	7.0	4.2	69	317	70	118
18	19	8.5	13	24	16	30	6.8	4.0	151	500	68	248
19	17	1.5	13	19	15	27	6.6	4.2	227	518	98	120
20	16	8.8	13	17	14	25	6.4	4.2	140	567	151	74
21	15	11	12	16	14	23	6.3	4.0	88	1,140	168	53
22	14	11	12	15	13	22	6.1	3.8	72	2,820	132	39
23	14	10	11	14	25	21	6.3	3.8	191	1,990	70	38
24	14	9.1	11	14	115	20	7.7	4.1	224	1,240	50	59
25	13	11	11	15	106	19	12	3.9	143	1,150	41	84
26	13	11	11	15	72	18	17	3.7	109	575	39	104
27	13	11	14	15	54	16	16	3.6	109	339	89	19
28	12	11	18	15	41	19	12	3.5	92	250	212	203
29	12	74	20	14	-----	18	9.8	3.9	153	922	125	166
30	12	67	19	13	-----	18	8.5	5.1	137	1,390	84	170
31	12	-----	16	12	-----	17	-----	5.0	-----	1,320	76	-----
TOTAL	1,078	435.7	590	461	842	3,405	288.9	148.0	3,341.2	19,382	7,500	2,656
MEAN	34.8	14.5	17.4	14.9	30.1	110	9.63	4.77	111	625	242	88.5
MAX	145	74	36	28	115	916	17	7.7	475	2,820	1,400	248
MIN	12	8.5	11	11	12	17	6.1	3.5	3.0	34	39	22
CFSM	.43	1.8	.22	.19	.38	1.37	.12	.06	1.39	7.82	3.02	1.11
IN.	.50	2.0	.25	.21	.39	1.58	.13	.07	1.55	9.01	3.49	1.23

CAL YR 1964 TOTAL 25,176.1 MEAN 68.8 MAX 658 MIN 3.9 CFMS .86 IN 11.70  
WAT YR 1965 TOTAL 40,077.8 MEAN 110 MAX 2,820 MIN 3.0 CFMS 1.37 IN 18.63



## 2-3001 Little Manatee River near Fort Lonesome, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	57	.90	9.1	20	22	32	56	5.4	.20	4.9	5.6	6.5
2	46	2.7	8.6	18	20	29	40	4.8	.10	6.7	4.5	2.8
3	51	3.0	8.1	16	19	25	29	9.8	.10	8.2	5.0	6.0
4	41	2.7	1.9	14	39	22	23	8.6	.10	5.7	3.6	3.6
5	30	2.8	7.4	13	218	20	19	62	.10	13	2.5	31
6	21	4.7	7.1	12	398	18	15	40	.20	18	1.9	24
7	16	4.9	6.6	31	288	16	12	25	.40	12	1.8	17
8	14	4.6	6.6	67	232	14	11	16	.30	8.0	4.3	13
9	11	3.9	6.3	66	218	12	9.1	10	.30	4.6	5.1	9.9
10	9.3	71	6.1	54	118	12	8.1	7.6	4.3	2.7	11	9.4
11	8.0	165	5.7	42	75	11	6.7	5.6	3.4	2.7	17	9.4
12	7.0	117	5.6	192	59	9.5	5.6	4.3	2.1	3.4	22	9.9
13	6.2	80	5.6	410	47	8.7	4.6	3.3	1.1	1.7	24	18
14	5.3	62	5.7	258	39	8.0	3.7	4.0	.40	.80	21	20
15	4.8	45	7.7	124	34	7.3	3.2	5.6	.20	.30	16	21
16	4.3	34	8.2	75	33	6.7	2.7	5.5	.20	.40	13	26
17	4.3	25	13	62	30	23	2.3	4.3	.10	.30	18	44
18	4.8	19	19	59	38	38	1.8	3.1	0	.40	24	46
19	4.5	15	20	55	88	32	1.6	2.4	0	.70	15	34
20	3.8	12	19	91	120	25	1.3	1.8	0	.80	12	24
21	3.3	11	15	50	76	25	1.0	1.3	0	1.0	14	19
22	2.6	9.7	13	43	61	21	.80	.80	0	1.6	17	15
23	2.4	8.8	16	36	56	17	.70	.70	0	4.1	12	12
24	2.5	8.2	70	32	52	13	.60	.50	0	3.7	9.5	10
25	2.3	8.0	77	28	44	11	.70	.50	0	9.2	7.5	8.5
26	2.2	8.0	65	25	37	9.4	.50	.40	.10	36	5.5	7.2
27	2.1	8.2	50	25	32	14	.40	.30	.70	39	4.2	6.3
28	1.9	39.4	39	29	31	75	1.3	2.0	30	30	3.3	6.3
29	1.7	9.4	32	33	32	242	4.7	.20	1.3	18	3.6	5.7
30	1.3	9.3	27	31	-----	159	4.7	.20	2.1	11	2.9	5.1
31	.90	-----	23	25	-----	80	-----	.20	-----	7.7	3.4	-----
TOTAL	372.50	764.00	610.3	1,991	2,556	1,039.6	271.10	459.20	19.80	256.60	310.2	582.2
MEAN	12.0	25.5	19.7	64.2	88.1	33.5	9.04	14.8	.66	8.28	10.0	19.4
MAX	57	165	77	410	398	242	56	98	4.3	39	24	60
MIN	.90	.90	5.6	12	19	6.7	.40	.20	0	.30	1.8	5.1
CFSM	.34	.81	.63	2.05	2.81	1.07	.29	.47	.02	.26	.37	.62
IN.	.44	.90	.72	2.36	3.03	1.23	.32	.54	.02	.30	.37	.69

CAL YR 1963 TOTAL MEAN MAX MIN CFSM IN  
WAT YR 1964 TOTAL 9,232.50 MEAN 25.2 MAX 410 MIN 0 CFSM .80 IN 10.93

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.5	90	1.7	3.6	7.0	15	4.8	1.3	.20	34	690	12
2	35	1.0	1.4	3.5	6.4	107	4.0	1.0	.10	21	394	15
3	38	1.6	1.4	3.2	6.4	615	3.5	.70	.10	15	224	30
4	33	1.9	1.5	3.4	6.0	354	3.2	.40	.10	12	111	20
5	25	1.9	14	3.5	5.6	183	2.8	.30	.10	10	98	17
6	19	1.8	34	3.2	5.4	84	2.4	.20	.10	16	177	14
7	17	1.6	31	3.1	7.6	65	2.3	.20	.10	13	100	12
8	14	1.4	18	2.7	9.1	49	2.1	.10	1.9	11	84	9.4
9	13	1.3	11	2.7	9.3	37	1.9	.10	19	8.9	144	12
10	11	1.3	8.9	2.6	8.7	28	1.8	10	35	6.8	73	13
11	9.7	1.1	7.3	3.1	7.5	21	1.7	.10	40	54	66	12
12	8.6	1.0	6.2	4.0	6.6	17	1.6	.10	157	56	58	9.8
13	7.6	1.1	5.5	4.2	6.0	14	1.4	0	330	77	56	7.6
14	7.6	1.1	4.9	4.1	5.5	13	1.1	0	161	85	52	5.9
15	7.2	1.1	4.9	8.7	5.3	12	1.0	0	78	71	40	5.4
16	6.3	1.1	4.6	11	5.0	12	.90	0	54	47	30	13
17	5.4	.90	4.4	11	5.0	11	.80	0	32	35	23	23
18	4.2	1.0	4.4	9.1	4.6	9.5	.40	0	105	50	17	50
19	3.6	1.1	4.4	7.7	4.4	8.5	.30	0	550	67	16	38
20	3.0	1.2	4.1	6.5	4.0	7.6	.30	0	271	79	18	20
21	2.3	1.3	3.8	5.8	3.8	7.1	.30	0	111	366	21	12
22	1.8	1.3	3.6	5.3	4.1	6.6	.90	0	64	545	21	8.6
23	1.6	1.3	3.6	4.9	8.7	6.3	2.0	0	47	326	13	7.0
24	1.4	1.3	3.5	4.8	26	6.1	3.1	0	38	161	8.6	9.9
25	1.3	2.1	3.3	5.5	37	5.6	3.2	0	34	84	6.6	11
26	1.4	2.9	3.2	5.1	39	5.0	3.4	0	29	120	5.1	21
27	1.3	2.7	3.4	5.0	31	4.9	3.8	0	49	218	4.4	102
28	1.1	2.5	4.2	4.3	21	6.1	3.6	0	89	222	4.5	142
29	1.1	2.1	4.3	3.8	-----	7.3	2.8	.40	79	130	10	92
30	1.0	2.1	4.2	3.8	-----	7.1	1.8	.40	54	224	16	83
31	.90	-----	4.0	7.9	-----	5.8	-----	.20	-----	495	15	-----
TOTAL	289.90	455.00	414.7	157.1	296.0	1,735.5	63.20	5.60	2,428.70	3,659.7	2,595.2	827.6
MEAN	9.35	15.0	6.93	5.07	10.6	56.0	2.11	.18	81.0	118	83.7	27.6
MAX	38	2.9	34	11	39	615	4.8	1.3	550	545	690	142
MIN	.90	.90	1.4	2.6	3.8	4.9	.30	0	.10	6.8	4.4	5.4
CFSM	.30	.05	.22	.16	.34	1.78	.07	.006	2.58	3.76	2.67	.88
IN.	.34	.05	.25	.19	.35	2.06	.07	.007	2.88	4.33	3.07	.98

CAL YR 1964: TOTAL 8,035.30 MEAN 22.0 MAX 410 MIN 0 CFSM .70 IN 9.52  
WAT YR 1965 TOTAL 12,318.20 MEAN 33.7 MAX 690 MIN 0 CFSM 1.07 IN 14.59

## 2-3005 Little Manatee River near Wimauma, Fla

Location --Lat 27°40'15", long 82°21'10", in NE<sup>1</sup>/<sub>4</sub> sec 25, T 32 S, R 19 E, on left bank 25 ft downstream from bridge on U S Highway 301, 1.5 miles upstream from Cypress Creek, and 4 miles southwest of Wimauma, Hillsborough County

Drainage area --149 sq mi (revised)

Records available --March 1939 to September 1965

Gage --Digital water-stage recorder Datum of gage is 2.17 ft above mean sea level, datum of 1929 Prior to Oct 1, 1963, graphic water-stage recorder at same site and datum

Average discharge --26 years, 186 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,400 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Aug 27, 1961	0700	* 945	6 66	Feb 13, 1963	1000	* 4,290	12 03	Feb 7, 1964	0200	* 1,280	7 81
June 21, 1962	1900	1,600	8 60	Feb 27, 1963	2230	3,340	11 12	Mar 4, 1965	1915	1,480	8 30
Aug 23, 1962	0100	1,470	8 27	July 23, 1963	1900	1,420	8 11	July 22, 1965	0030	1,770	9 02
Sept 7, 1962	1630	1,540	8 45	Sept 18, 1963	0530	1,400	8 11	Aug 1, 1965	2200	* 2,710	10 43
Sept 21, 1962	1600	* 11,600	16 62	Sept 24, 1963	1630	1,890	9 28	Aug 10, 1965	0230	1,470	8 27

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 6, 7, 1961	a 10	b -0 33	1964	June 23, 1964	7 0	-0 60
1962	May 25, 26, 28, 1962	8 1	- 23	1965	June 6, 1965	5 0	- 70
1963	May 21, 1963	11	- 25				

a Minimum daily

b Occurred May 22, 1961

1939-65 Maximum discharge, 14,000 cfs Sept 11, 1960 (gage height, 17.59 ft), minimum, 1.2 cfs June 6, 7, 1945, minimum gage height, -0.70 ft June 6, 1965

Remarks --Records good except those above 500 cfs, which are fair. Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 1032 1939(M)

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	484	131	35	42	48	48	36	21	16	24	30	238
2	342	142	34	40	45	46	43	21	14	23	36	177
3	240	119	34	39	45	46	49	22	13	22	140	186
4	198	94	33	38	69	44	45	23	12	19	120	172
5	164	78	33	37	79	45	37	21	11	19	69	132
6	138	70	32	36	69	44	34	20	10	17	51	114
7	134	64	32	36	114	42	33	18	10	17	47	99
8	382	59	32	36	474	41	42	18	13	18	43	85
9	533	54	32	43	449	42	44	17	24	15	40	81
10	485	52	32	64	390	39	42	20	20	14	50	131
11	437	50	32	64	250	38	38	23	16	14	65	145
12	460	49	35	54	190	37	39	23	14	37	52	96
13	273	48	35	67	148	40	61	21	16	59	35	81
14	212	46	36	150	120	341	58	19	16	48	30	70
15	172	45	39	144	101	348	49	18	15	53	27	66
16	199	44	64	120	49	254	45	17	14	34	87	97
17	168	43	64	94	80	192	44	15	15	27	303	83
18	132	42	56	78	73	148	40	15	13	24	455	67
19	113	42	49	68	68	118	35	14	13	26	473	58
20	101	40	44	63	65	93	32	13	12	49	660	51
21	91	39	46	60	62	75	30	13	12	54	498	46
22	82	38	66	54	59	62	29	12	11	54	303	42
23	75	38	66	52	57	54	28	12	11	42	250	38
24	69	37	57	49	54	48	26	12	11	38	217	35
25	64	37	52	47	53	43	25	11	11	36	186	32
26	59	36	49	46	52	39	24	16	26	43	376	30
27	55	37	46	46	51	36	24	30	40	59	812	28
28	53	37	45	46	49	34	23	34	32	49	617	27
29	51	36	43	48	-----	33	22	24	24	46	347	26
30	49	36	42	52	-----	32	21	21	21	49	247	75
31	55	-----	42	51	-----	32	-----	18	-----	35	282	-----
TOTAL	5,484	1,683	1,337	1,864	3,369	2,532	1,098	582	486	1,064	6,948	2,558
MEAN	193	59.1	43.1	60.1	120	81.7	36.6	18.8	16.2	34.3	224	85.3
MAX	533	142	66	150	474	348	61	34	40	59	812	238
MIN	49	36	32	36	45	32	21	11	10	14	27	25
CFSM	1.30	.38	.29	.40	.81	.55	.25	.13	.11	.23	1.50	.57
IN.	1.49	.42	.33	.47	.84	.63	.27	.15	.12	.27	1.73	.64

CAL YR 1960- TOTAL 113,429  
WAT YR 1961 TOTAL 29,505

MEAN 310  
MEAN 90.8

MAX 11,100  
MIN 10

CFSM 2.08  
CFSM .94

IN 28.31  
IN 7.36

## 2-3005 Little Manatee River near Wimauma, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	13	10	36	20	13	61	14	71	336	100	1,700
2	24	13	9.7	58	19	12	187	13	318	267	114	669
3	25	13	9.5	48	18	13	167	12	196	202	147	448
4	25	13	9.5	37	18	12	121	14	95	189	164	295
5	26	13	9.5	31	18	13	96	13	83	143	179	298
6	27	13	9.5	30	17	13	75	14	44	112	183	431
7	21	14	9.5	42	20	13	126	13	35	90	234	1,379
8	21	14	9.1	48	23	12	305	15	29	75	428	1,160
9	20	14	9.0	40	25	12	184	13	29	70	450	180
10	20	13	9.1	34	30	12	133	12	50	63	342	516
11	20	13	9.0	32	33	12	105	11	105	65	250	518
12	19	13	9.0	37	40	14	51	11	515	70	587	677
13	20	17	9.0	64	35	15	84	11	350	102	571	646
14	21	12	9.0	41	23	19	48	10	240	444	430	718
15	21	12	9.0	36	23	24	58	11	212	410	324	623
16	20	12	8.6	34	21	146	32	13	141	251	467	407
17	19	11	8.4	32	30	172	24	9.5	116	160	540	272
18	1	11	9.0	29	35	136	25	9.5	155	126	508	193
19	1	11	23	28	28	71	23	9.1	760	115	546	160
20	17	11	41	27	23	37	21	9.3	510	131	325	1,900
21	17	11	23	26	20	41	20	9.0	932	163	915	10,100
22	16	11	16	26	18	36	19	4.6	1,420	135	1,170	6,960
23	16	11	16	23	17	56	18	8.4	1,010	122	1,280	2,970
24	16	11	14	33	16	24	17	6.3	580	100	970	1,300
25	16	12	13	33	15	94	16	3.3	317	116	728	695
26	13	12	12	29	14	332	15	8.3	201	93	867	438
27	13	12	12	25	14	245	15	8.3	147	83	604	326
28	14	11	13	25	13	144	14	8.4	118	119	542	248
29	14	11	19	24	-----	127	14	8	102	90	732	198
30	14	11	13	22	-----	92	14	11	154	69	545	181
31	14	-----	26	21	-----	69	-----	14	-----	62	567	-----
TOTAL	500	363	445.9	1,035	608	2,116	2,010	335.8	9,075	4,468	16,344	36,592
MEAN	16.7	12.1	14.4	33.4	21.7	68.3	63.3	10.8	303	144	527	1,220
MAX	24	14	41	94	35	332	305	15	1,420	410	1,780	10,100
MIN	14	10	3	21	13	12	14	6.3	29	62	100	160
CFSM	11.3	68	16	22	15	46	47	2	203	97	354	819
IN	14	07	11	26	15	53	52	08	2.27	1.12	6.03	9.13
CAL YR 1961	TOTAL	21,000.9	MEAN	60.0	MAX	312	MIN	8.6	CFSM	1.40	IN	5.46
WAT YR 1962	TOTAL	74,062.7	MEAN	203	MAX	10,100	MIN	8.3	CFSM	1.36	IN	18.48

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	185	46	43	37	59	1,280	36	16	81	296	134	88
2	161	39	43	35	59	665	20	32	51	208	177	70
3	142	45	43	33	54	666	30	26	39	444	127	72
4	159	32	40	32	157	510	30	37	46	410	284	78
5	375	37	34	32	216	365	40	37	41	155	344	80
6	293	52	40	34	166	277	29	30	101	113	257	85
7	196	46	40	63	150	24	32	24	118	85	215	89
8	154	31	39	85	130	145	32	20	105	64	173	70
9	133	133	40	76	112	162	32	17	69	51	209	56
10	137	213	34	66	97	225	40	16	48	59	200	48
11	140	171	36	58	87	224	28	15	36	177	164	40
12	119	134	38	52	1,900	191	26	14	38	151	130	37
13	97	118	36	50	3,640	162	26	13	38	112	101	34
14	6	109	38	48	2,060	140	24	13	47	116	82	32
15	77	92	36	52	928	123	22	18	39	81	70	38
16	71	81	39	69	472	110	21	21	35	116	60	51
17	66	72	38	70	467	39	21	18	54	202	52	41
18	62	65	38	64	498	89	20	17	47	144	76	646
19	56	60	38	57	422	40	20	14	31	105	258	1,740
20	55	57	36	53	339	72	20	12	25	77	571	918
21	52	37	37	54	516	64	18	13	24	60	918	618
22	54	57	36	73	407	56	18	16	21	61	1,140	467
23	74	55	36	68	287	52	18	13	21	894	614	959
24	76	51	36	81	234	49	18	14	66	1,170	335	1,790
25	62	49	36	83	268	48	17	13	246	825	250	1,490
26	55	46	36	77	1,260	46	17	16	464	960	275	352
27	51	44	36	81	2,940	44	16	24	346	629	191	515
28	47	43	36	83	2,570	43	16	40	810	311	226	370
29	44	42	36	80	-----	40	16	101	587	204	155	308
30	43	43	36	71	-----	37	15	190	419	197	156	281
31	46	-----	38	64	-----	36	-----	142	-----	162	114	-----
TOTAL	3,410	2,206	1,187	1,085	20,812	6,344	707	980	4,085	8,597	8,013	11,463
MEAN	110	71.5	38.3	60.8	743	205	23.6	31.6	136	277	258	382
MAX	376	213	44	85	3,640	1,280	36	190	810	1,170	1,140	1,790
MIN	63	42	36	37	56	12	15	21	21	51	52	32
CFSM	74	49	26	41	4.99	1.37	16	21	91	1.86	1.73	2.56
IN	8.5	53	30	47	5.19	1.58	1.18	2.24	1.02	2.15	2.00	2.86
CAL YR 1962	TOTAL	79,450.8	MEAN	218	MAX	10,100	MIN	8.3	CFSM	1.46	IN	19.83
WAT YR 1963	TOTAL	69,089	MEAN	191	MAX	3,640	MIN	12	CFSM	1.28	IN	17.39

2-3005 Little Manatee River near Wimauma, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	265	13	66	119	103	123	269	39	12	67	57	57
2	174	26	56	101	97	115	187	148	12	109	48	72
3	160	23	55	90	91	106	143	312	11	141	77	388
4	131	23	54	87	218	97	114	334	10	152	146	313
5	110	23	53	77	973	90	95	162	10	102	46	332
6	92	27	51	72	1,220	85	81	113	10	144	38	550
7	78	28	49	213	1,190	60	70	82	11	87	33	334
8	67	26	48	337	975	79	72	65	12	60	30	219
9	54	24	48	269	723	71	56	54	12	48	53	159
10	52	174	46	236	517	65	52	45	11	37	130	139
11	47	500	44	190	364	61	48	40	23	32	126	134
12	44	551	43	933	264	58	44	36	36	41	153	127
13	41	476	43	1,250	207	54	41	33	23	33	150	202
14	37	343	43	1,180	174	51	38	31	16	25	130	237
15	35	249	48	705	154	49	35	34	12	21	109	294
16	33	186	55	384	145	48	33	37	9 9	18	172	392
17	31	152	70	308	140	176	31	33	9 0	18	104	375
18	30	104	104	293	213	205	28	28	8 8	19	106	251
19	30	109	106	246	571	148	25	24	8 3	17	119	190
20	28	94	94	224	413	123	24	22	8 5	16	144	144
21	27	33	82	225	343	135	23	21	8 0	40	202	112
22	25	73	190	273	273	111	22	19	7 5	198	90	190
23	24	69	75	165	251	90	21	18	8 5	147	143	74
24	23	64	324	149	208	76	21	18	11	67	108	64
25	24	64	349	136	180	67	20	18	9 9	80	162	56
26	23	63	294	143	158	60	20	17	13	359	122	49
27	22	61	240	137	141	67	20	16	21	315	86	45
28	22	58	189	136	102	402	21	15	25	67	47	47
29	21	72	161	164	133	1,040	30	15	20	112	57	41
30	17	70	138	156	-----	683	39	14	23	105	56	38
31	14	-----	126	119	-----	436	-----	13	-----	82	100	-----
TOTAL	1,739	3,053	3,233	9,021	10,487	5,007	1,713	1,756	412.4	2,721	3,247	5,520
MEAN	56 1	128	104	291	362	162	57 1	56 6	87 8	87 8	105	186
MAX	225	551	349	1,250	1,220	1,040	269	312	36	359	202	550
MIN	19	14	43	72	91	48	20	13	7 5	16	30	38
CFSM	3.36	3.86	4.70	1.95	2.43	1 08	3.38	3.38	1.09	1.59	1.70	1.23
IN.	43	46	81	2.25	2.62	1 25	43	44	10	68	81	1.38

CAL YR 1963 TOTAL 11,711 MEAN 196 MAX 3,840 MIN 12 CFSM 1.32 IN 17.90  
 MAY YR 1964 TOTAL 44,709 4 MEAN 133 MAX 1,250 MIN 7.5 CFSM .89 IN 12.16

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	36	21	22	31	41	58	42	22	8 0	161	2,520	99
2	74	20	20	29	36	797	36	20	8 0	115	2,320	75
3	264	21	21	29	41	1,040	32	16	8 8	84	1,430	158
4	196	23	24	28	49	1,370	23	12	6 8	69	739	144
5	166	23	46	28	35	1,140	26	16	5 6	61	655	86
6	131	22	116	28	34	549	25	16	5 2	91	506	69
7	111	22	109	27	37	307	24	14	9 2	410	605	61
8	90	21	80	26	50	218	23	12	21	384	384	69
9	66	21	60	25	50	163	22	11	43	585	886	99
10	76	19	51	24	45	131	21	9 9	60	296	1,320	93
11	67	19	45	24	40	107	20	9 5	114	444	771	69
12	60	18	41	28	36	91	19	9 1	311	891	504	57
13	55	16	39	31	35	79	19	8 8	541	662	389	49
14	54	15	37	31	34	71	18	6 0	518	657	297	43
15	57	16	36	43	32	67	17	7 5	288	615	218	39
16	54	16	35	70	31	63	17	7 4	181	386	174	66
17	48	17	34	62	30	58	16	7 8	129	281	147	131
18	42	18	34	57	30	54	15	8 0	170	423	134	202
19	38	18	33	47	28	50	15	7 0	707	434	124	153
20	34	23	33	43	27	46	14	6 8	924	452	121	97
21	31	21	31	39	25	43	13	7 0	650	762	99	68
22	28	18	30	37	25	42	17	6 6	303	1,540	91	54
23	28	19	24	35	32	41	46	6 2	195	1,350	87	47
24	26	19	29	34	74	40	58	6 8	170	940	76	58
25	25	24	28	36	108	38	47	6 8	192	503	64	71
26	25	25	26	39	97	35	49	6 2	147	312	57	92
27	24	28	27	36	80	32	47	6 4	120	348	51	156
28	23	26	33	35	68	38	42	6 8	180	438	48	218
29	23	25	38	31	-----	66	33	6 8	225	562	75	234
30	22	23	35	31	-----	72	27	7 8	221	1,220	108	307
31	21	-----	33	36	-----	51	-----	8 0	-----	1,770	87	-----
TOTAL	2,023	617	1,257	1,097	1,242	6,459	828	310 2	6,461.6	17,300	15,087	3,154
MEAN	65.3	20 6	40 5	35.4	44.4	208	27.6	10.0	215	558	487	105
MAX	264	28	118	70	108	1,370	58	22	924	1,770	2,520	307
MIN	15	10	20	24	25	32	13	6 2	5 2	61	38	38
CFSM	4.64	14	27	24	30	1 40	19	07	1.45	3.75	3.27	1.71
IN.	50	15	31	27	31	1.61	21	08	1.61	4.32	3.77	1.79

CAL YR 1964 TOTAL 43,781.4 MEAN 120 MAX 1,250 MIN 7.5 CFSM .80 IN 10.93  
 MAY YR 1965 TOTAL 55,835 8 MEAN 153 MAX 2,520 MIN 5.2 CFSM 1.03 IN 13.94



## 2-3010 North Prong Alafia River at Keyesville, Fla

Location --Lat 27°53'01", long 82°06'01", in SW  $\frac{1}{4}$  sec 10, T 30 S, R 22 E, near center of span at downstream side of highway bridge, 1 2 miles north of Keyesville, Hillsborough County, and 4 miles upstream from confluence with South Prong Alafia River

Drainage area --135 sq mi (revised), approximately

Records available --May 1950 to September 1965 Monthly discharge only for May 1950, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 38.56 ft above mean sea level, datum of 1929 Prior to July 8, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 184 cfs (133,200 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,000 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 10 1960	1900	* 890	9 54	Feb 27 1963	2000	* 1,090	10 11	May 3, 1964	1700	1 150	10 05
				Mar 3, 1963	2030	1 070	10 08				
Aug 26, 1962	1200	2 430	11 52					Aug 1, 1965	1545	1,090	9 95
Sept 2 1962	0230	1 400	10 35	Jan 13 1964	0430	* 2,540	11 75	Aug 10 1965	1630	* 1,660	10 77
Sept 21 1962	1800	* 2,640	11 71	Feb 7 1964	0030	1,190	10 12	Aug 20, 1965	2400	1 010	9 81

  

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	July 11 1961	36	2 19	1964	June 17, 1964	63	3 68
1962	May 21 1962	35	2 44	1965	Apr 8, May 23, 24, 1965	b 70	c 2 85
1963	Apr 17 1963	57	a 3 47				

a Occurred Dec 15, 1962

b Minimum daily

c Occurred Apr 9, 1965 (affected by dredging)

1950-65 Maximum discharge, 9,570 cfs Sept 11, 1960 (gage height, 15.86 ft), from recorded range in stage, minimum, 3.6 cfs May 17, 1952, minimum gage height, 1.18 ft June 1, 2, 1953

Remarks --Records good for water years 1961, 1963 and fair for 1962, 1964-65 except those for period Mar 10 to July 31, 1965, which are poor Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	694	211	84	104	116	112	91	62	88	128	76	246
2	572	242	81	109	110	109	105	68	78	118	63	232
3	400	245	84	110	110	108	110	70	72	92	182	199
4	416	191	83	110	137	116	100	67	69	62	118	165
5	356	173	88	108	151	118	94	72	66	50	106	145
6	312	155	82	102	143	108	86	94	63	43	108	137
7	304	145	80	100	210	102	112	91	61	39	107	143
8	394	134	81	104	604	91	152	90	72	37	92	145
9	662	129	80	121	751	96	156	85	79	37	86	144
10	616	126	80	144	590	94	146	120	72	38	88	149
11	704	123	88	147	398	90	136	133	68	39	86	148
12	530	122	90	136	272	93	132	114	70	119	76	150
13	399	120	96	152	211	101	137	102	76	158	71	155
14	317	118	94	228	179	176	122	93	84	222	65	154
15	274	117	102	253	168	195	106	82	94	193	62	141
16	251	117	130	237	159	172	100	76	99	92	169	133
17	264	115	134	194	156	149	102	73	90	59	279	127
18	260	114	129	160	155	129	97	70	92	47	642	125
19	229	115	125	135	153	114	90	68	94	53	642	122
20	202	113	116	134	152	105	86	64	73	97	504	117
21	189	112	123	132	146	112	83	62	70	115	374	112
22	163	110	155	131	139	116	84	62	69	130	265	106
23	177	110	149	173	134	100	84	62	66	114	237	98
24	170	107	131	117	131	90	80	61	66	113	298	94
25	161	107	122	112	130	83	76	60	68	112	372	88
26	153	113	117	108	130	80	75	109	73	106	295	82
27	149	114	115	116	125	80	73	156	112	115	252	80
28	147	114	116	122	106	78	72	129	153	92	257	79
29	145	113	118	122	-----	78	67	112	146	78	276	76
30	132	108	116	123	-----	79	63	107	140	72	248	74
31	146	-----	103	121	-----	74	-----	99	-----	70	236	-----
TOTAL	10,195	4,009	3,292	4,210	5,366	3,368	3,017	2,713	2,513	2,840	6,827	3,966
MEAN	329	128	106	136	213	108	101	87.5	83.8	91.6	220	132
MAX	616	242	155	253	751	195	156	156	153	222	642	246
MIN	139	107	80	100	106	74	63	60	61	37	62	74
AC-FT	20,220	7,950	6,530	8,350	11,830	6,640	5,980	5,380	4,980	5,630	13,540	7,870
CAL YR 1960	TOTAL	13,5507	MEAN	365	MAX	8,200	MIN	50	AC-FT	264,800		
WAT YR 1961	TOTAL	52,896	MEAN	145	MAX	816	MIN	37	AC-FT	104,900		

## 2-3010 North Prong Alafia River at Keysville, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	70	63	68	97	65	58	77	48	64	124	189	640
2	67	65	69	113	66	58	100	48	165	174	164	1,190
3	65	63	67	102	68	57	108	48	163	174	152	788
4	67	66	66	99	68	56	100	48	115	155	156	600
5	70	66	66	93	67	54	90	61	88	138	147	498
6	70	67	68	88	68	52	82	70	75	120	147	430
7	68	66	68	96	69	51	82	64	71	106	162	679
8	66	66	66	96	66	51	109	59	73	98	159	462
9	65	66	65	89	67	52	116	56	86	92	168	394
10	62	64	64	82	88	52	102	51	100	88	171	486
11	65	64	62	87	104	47	92	47	122	114	128	396
12	64	66	62	90	98	54	82	45	159	142	109	438
13	64	66	67	96	84	58	73	44	177	172	110	697
14	68	65	72	91	80	60	66	45	220	222	97	532
15	68	64	71	84	74	65	61	45	246	253	98	468
16	65	66	69	82	71	129	57	41	203	192	123	514
17	68	67	66	80	81	164	55	41	209	143	202	380
18	68	67	66	77	84	158	52	40	214	117	338	264
19	65	65	110	77	77	118	50	38	177	113	359	199
20	60	71	137	76	76	102	49	37	172	148	428	270
21	57	74	110	77	72	86	49	36	212	156	441	1,480
22	54	73	94	78	69	77	48	39	314	159	534	1,590
23	52	69	90	78	66	100	47	80	398	137	560	982
24	50	62	86	77	61	137	45	78	340	120	530	735
25	49	60	82	76	61	141	45	67	268	109	620	575
26	50	76	78	75	62	141	47	59	208	104	1,800	441
27	51	76	75	74	62	146	47	53	161	92	1,160	322
28	52	76	75	74	60	124	48	46	134	86	728	259
29	52	70	71	73	-----	108	48	44	116	77	650	233
30	57	66	70	71	-----	97	48	45	114	84	739	211
31	58	-----	72	63	-----	84	-----	49	-----	154	564	-----
TOTAL	1,907	2,055	2,352	2,608	2,038	2,737	2,075	1,572	5,164	4,163	11,932	17,153
MEAN	61.5	68.5	75.4	84.1	72.8	88.3	69.2	50.7	172	134	385	572
MAX	70	82	147	113	164	116	116	103	398	253	1,800	1,590
MIN	49	63	62	63	60	47	45	36	64	77	97	199
AC-FT	3,760	4,060	4,670	5,170	4,040	5,430	4,120	3,120	10,240	8,260	23,670	34,020
CAL YR 1961	TOTAL 41,714			MEAN 114		MAX 751		MIN 37		AC-FT 82,740		
WAT YR 1962	TOTAL 55,756			MEAN 153		MAX 1,800		MIN 36		AC-FT 110,600		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	184	74	82	87	106	618	81	74	217	642	197	203
2	165	75	79	83	103	524	76	121	244	466	184	172
3	149	74	76	81	96	845	72	119	214	352	324	152
4	141	82	74	78	128	870	72	126	181	610	150	109
5	136	81	72	76	159	650	70	123	152	230	450	148
6	147	80	72	82	162	486	70	117	133	200	324	156
7	147	76	68	105	155	378	76	108	131	181	239	166
8	148	84	71	111	154	310	77	95	125	166	189	158
9	152	168	71	105	150	274	74	98	125	142	169	141
10	156	211	66	99	140	331	72	78	122	140	158	125
11	150	192	65	93	132	446	73	79	112	163	151	115
12	134	159	65	98	228	424	71	88	102	170	144	109
13	122	162	64	98	590	345	72	195	95	193	138	104
14	117	162	64	100	618	275	70	157	107	232	145	109
15	111	141	62	103	500	236	68	114	102	214	158	124
16	100	124	66	108	367	216	64	94	108	244	181	127
17	88	115	67	115	312	197	60	79	122	319	176	107
18	82	107	68	121	297	180	62	74	97	428	151	99
19	88	103	66	127	286	166	64	70	82	354	153	124
20	87	100	66	123	300	157	64	70	77	273	166	179
21	82	99	70	127	306	148	65	72	74	236	230	308
22	84	114	72	136	279	133	66	119	69	209	272	349
23	101	118	76	126	231	121	66	126	81	246	352	331
24	104	99	81	130	197	112	67	119	209	440	478	382
25	96	96	87	138	188	103	67	131	417	496	394	392
26	88	97	91	130	252	96	64	155	718	341	298	359
27	84	97	91	127	739	93	64	169	845	293	253	362
28	76	93	94	124	860	92	66	173	775	226	215	335
29	75	86	95	115	-----	91	66	160	885	181	239	291
30	71	84	95	109	-----	90	64	158	900	191	263	256
31	72	-----	90	107	-----	84	-----	168	-----	218	234	-----
TOTAL	3,537	3,353	2,328	3,364	8,035	9,091	2,063	3,619	7,621	8,465	7,634	6,124
MEAN	114	112	75.1	109	287	293	68.8	117	254	273	246	204
MAX	184	211	95	138	860	870	81	195	900	642	610	392
MIN	71	74	62	78	96	84	60	70	69	140	138	99
AC-FT	7,020	6,650	4,620	6,670	15,940	18,330	4,090	7,180	15,120	16,790	15,140	12,150
CAL YR 1962	TOTAL 58,660			MEAN 161		MAX 1,800		MIN 36		AC-FT 116,400		
WAT YR 1963	TOTAL 65,234			MEAN 179		MAX 900		MIN 60		AC-FT 129,400		

## 2-3010 North Prong Alafia River at Keysville, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	216	60	146	150	177	214	430	201	31	154	187	143
2	168	70	135	132	130	204	253	131	77	184	170	149
3	166	72	124	128	133	189	204	970	76	226	209	167
4	150	76	117	121	201	178	173	904	75	267	202	157
5	156	76	113	117	410	173	154	668	30	243	168	157
6	153	92	108	116	1,360	169	156	420	82	248	151	162
7	135	100	103	159	1,070	166	147	270	95	232	163	169
8	123	105	102	222	830	152	142	242	88	187	218	163
9	114	107	94	244	342	143	127	207	84	152	312	153
10	108	103	95	216	647	142	117	182	80	135	288	177
11	100	261	94	141	410	138	109	102	79	123	248	242
12	97	248	93	621	311	136	98	145	77	115	278	280
13	93	230	100	2,070	274	129	87	129	75	108	284	376
14	98	310	93	1,100	250	127	82	121	72	101	238	344
15	95	239	97	737	231	124	94	114	70	92	219	605
16	82	198	89	500	223	123	90	112	66	95	199	450
17	80	174	87	338	229	154	94	111	64	94	184	334
18	79	135	105	300	237	198	96	108	72	103	179	305
19	63	146	121	439	497	138	93	104	72	106	176	289
20	84	138	128	273	673	184	91	96	69	97	255	274
21	83	132	121	334	438	136	91	92	69	90	384	247
22	75	126	112	432	337	193	84	91	72	94	557	212
23	74	121	112	310	296	168	84	90	68	121	417	187
24	73	120	112	254	238	156	90	85	66	136	308	167
25	77	129	232	218	264	140	89	97	68	136	257	193
26	74	145	246	204	238	133	90	104	70	161	222	207
27	73	140	225	191	272	133	88	132	76	206	203	192
28	75	141	186	192	213	188	85	135	89	221	136	171
29	72	147	173	196	211	473	180	89	85	213	173	157
30	68	154	169	201	-----	769	204	85	97	213	104	150
31	66	-----	133	136	-----	498	-----	83	-----	198	151	-----
TOTAL	3,183	2,200	4,065	10,748	11,507	6,205	3,824	7,636	2,284	4,884	7,348	7,268
MEAN	103	183	131	347	397	203	127	214	76.1	156	237	242
MAX	216	261	246	2,070	2,74	1,980	330	970	97	267	557	644
MIN	68	66	87	116	159	123	82	83	64	90	151	143
AC-FT	6,310	10,310	1,060	21,320	22,020	12,470	7,850	13,160	4,530	9,620	14,560	14,420

CAL YR 1963 TOTAL 61,764

MEAN 183

MAX 930

MIN 66

AC-FT 136,400

WAT YR 1964 TOTAL 73,489

MEAN 201

MAX 2,070

MIN 64

AC-FT 145,800

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	153	103	103	90	167	218	143	108	82	90	907	164
2	194	102	100	95	157	204	120	104	79	85	778	156
3	153	103	103	96	150	209	101	108	99	75	568	147
4	154	102	123	100	167	287	120	96	74	112	426	139
5	150	94	148	100	184	278	88	96	74	105	365	135
6	153	95	201	99	163	252	78	100	72	102	380	128
7	151	68	241	89	171	222	72	97	72	100	342	125
8	151	69	283	82	196	249	73	73	74	100	425	123
9	149	60	267	81	199	197	71	91	31	102	959	145
10	143	76	220	89	169	181	72	90	83	102	1,470	164
11	143	78	192	107	130	169	72	88	90	99	1,700	160
12	133	79	179	126	171	157	61	96	109	123	1,110	151
13	130	81	169	133	162	150	73	84	136	132	1,100	146
14	127	79	153	133	157	159	85	84	154	144	813	136
15	123	73	146	139	153	160	81	85	176	151	629	128
16	124	75	136	172	146	172	84	87	181	109	477	123
17	121	74	130	173	142	158	86	87	165	99	344	119
18	112	77	124	161	139	152	83	85	165	99	286	124
19	115	79	120	155	135	146	80	84	281	99	256	132
20	110	74	114	147	132	144	79	79	587	97	485	128
21	119	82	107	138	132	141	79	76	495	108	845	123
22	110	87	101	132	124	136	86	76	437	111	656	121
23	115	90	97	126	129	129	95	70	274	108	443	119
24	113	92	92	127	197	123	104	70	248	105	307	121
25	117	97	87	131	244	118	107	74	208	114	254	133
26	122	103	62	131	257	111	114	74	199	139	211	165
27	121	102	81	126	235	109	123	75	137	127	196	228
28	120	103	84	118	239	115	124	80	151	133	177	405
29	117	102	83	110	-----	130	119	92	117	135	156	492
30	112	103	84	110	-----	161	113	80	79	141	153	459
31	105	-----	87	148	-----	156	-----	81	-----	250	167	-----
TOTAL	4,051	2,060	2,247	3,774	4,827	5,296	2,776	2,662	5,125	3,623	16,885	5,139
MEAN	131	66.7	73	122	172	171	92.5	85.9	171	117	545	171
MAX	194	103	283	173	257	287	129	108	587	250	1,470	452
MIN	105	74	61	81	124	109	70	72	88	88	153	119
AC-FT	9,040	5,280	3,420	7,490	9,570	10,500	5,510	5,280	10,170	7,190	33,490	10,190

CAL YR 1964 TOTAL 71,039

MEAN 196

MAX 2,070

MIN 64

AC-FT 142,200

WAT YR 1965 TOTAL 61,060

MEAN 167

MAX 1,470

MIN 70

AC-FT 121,100

Note --Bridge construction and channel improvement in immediate vicinity Mar 10 to about July 31

## 2-3013 South Prong Alafia River near Lithia, Fla

Location --Lat 27°47'47", long 82°07'04", in SW 1/4 sec 9, T 31 S, R 22 E, at right bank on downstream side of bridge on county road, 1 1/4 miles upstream from Halls Branch and 5 0 miles south-east of Lithia, Hillsborough County

Drainage area -- 107 sq mi

Records available --December 1962 to September 1965

Gage --Digital water-stage recorder Datum of gage is 1.56 ft below mean sea level, datum of 1929  
Prior to Apr 15, 1965, graphic water-stage recorder at same site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (500 cfs), December 1962 to September 1965

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 13, 1963	0500	2,200	58 77	Jan 14, 1964	0700	506	57 46	June 20, 1965	0430	518	57 48
Feb 27, 1963	1700	1,580	58 46	Feb 7, 1964	0900	572	57 57	Aug 1, 1965	2345	* 950	58 04
Aug 4, 1963	1530	530	57 50	May 4, 1964	0500	* 576	57 56	Aug 13, 1965	2245	910	58 00
Sept 25, 1963	0500	578	57 58								

Annual minimum discharge for the period December 1962 to September 1965

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1963	May 24, 1963	11	52 45	1965	June 7, 8, 1965	9 8	52 39
1964	June 17, 1964	14	52 58				

1962-65 Maximum discharge, 2,200 cfs Feb 13, 1963 (gage height, 58 77 ft), minimum, 9 8 cfs June 7, 8, 1965 (gage height, 52 39 ft)

Remarks --Records good except those below 20 cfs and above 600 cfs, which are fair Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1962 TO SEPTEMBER 1963

DAY	UCF.	NOV	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			-	41	53	724	65	17	48	147	185	145
2			-	41	51	611	63	72	43	142	221	131
3			-	40	50	597	59	26	40	134	377	118
4			-	39	67	590	57	36	38	126	494	104
5			-	39	71	542	45	35	35	119	470	94
6			-	40	75	560	52	34	38	109	359	86
7			-	52	78	400	42	33	70	99	248	87
8			-	52	78	453	50	31	59	89	182	76
9			-	52	75	420	49	28	64	80	150	72
10			-	52	72	441	47	25	58	81	129	69
11			-	51	67	344	45	22	55	106	117	66
12			-	50	649	347	43	22	49	104	104	64
13			-	48	1,900	310	41	30	44	106	92	61
14			-	47	960	264	38	28	39	98	87	58
15			-	51	597	227	36	28	35	86	84	57
16			-	53	450	202	34	25	31	82	79	54
17			-	53	408	184	33	22	32	90	76	51
18			-	53	350	169	31	20	33	98	104	79
19			-	52	365	153	30	16	30	103	302	120
20			42	51	344	140	28	16	26	122	312	199
21			42	53	342	128	27	16	22	141	250	435
22			42	55	308	117	26	14	20	153	292	435
23			41	56	264	108	25	12	21	252	312	445
24			41	61	227	100	23	12	53	320	312	542
25			42	60	221	92	22	14	78	356	285	560
26			42	60	364	86	21	26	80	326	240	488
27			42	60	1,250	82	20	50	82	305	211	408
28			42	60	1,130	79	18	47	103	262	197	350
29			42	59	-----	74	17	57	125	228	189	341
30			43	57	-----	71	16	58	140	207	178	300
31			43	56	-----	68	-----	54	-----	203	162	-----
TOTAL			-	1,594	10,886	4,783	1,123	876	1,601	4,874	6,800	6,090
MEAN			-	51.4	389	267	374.4	28.3	51.4	157	219	203
MAX			-	61	1,900	724	65	58	140	356	494	560
MIN			-	39	50	68	16	12	20	80	76	51
AC-FT			-	3,160	21,590	16,430	2,230	1,740	3,180	9,670	13,490	12,080

## 2-3013 South Prong Alafia River near Lithia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	236	28	58	90	131	140	202	49	26	37	82	98
2	194	28	56	83	124	140	170	151	24	36	75	100
3	170	29	55	76	119	137	149	37	23	42	75	141
4	154	29	54	75	139	131	136	54	22	48	69	196
5	133	29	51	73	192	124	122	425	22	64	63	210
6	115	35	50	70	430	116	108	323	22	98	58	215
7	100	37	49	82	554	109	97	232	25	113	56	208
8	89	35	48	95	530	107	98	182	23	110	67	193
9	81	34	48	109	488	96	81	154	22	97	78	173
10	74	98	46	116	455	97	77	133	26	83	89	177
11	69	143	46	114	374	86	72	116	30	73	90	166
12	64	263	45	192	310	81	68	100	26	65	100	159
13	60	216	45	320	256	76	64	8	23	59	104	167
14	57	100	45	482	218	73	60	94	21	53	100	196
15	54	136	47	338	196	69	56	85	19	47	96	232
16	51	154	47	300	182	69	53	76	16	44	91	248
17	47	125	54	250	171	89	50	64	18	40	92	270
18	47	110	60	215	176	90	47	64	26	40	94	380
19	45	93	62	194	208	84	44	61	18	38	93	350
20	44	85	64	189	240	87	42	57	17	36	98	282
21	41	60	64	180	254	88	40	33	17	36	122	230
22	40	75	63	175	226	84	38	50	17	35	136	199
23	36	71	66	169	207	80	37	46	17	40	140	178
24	38	67	105	159	187	77	35	43	20	46	140	162
25	37	66	120	150	174	74	34	40	20	54	134	149
26	35	64	138	148	162	71	33	37	18	78	125	137
27	34	62	137	141	152	73	33	34	18	93	113	127
28	33	60	127	140	143	116	36	32	19	107	103	121
29	32	62	116	139	161	107	34	31	17	109	96	113
30	30	61	106	138	-----	230	44	29	23	103	92	106
31	28	-----	97	136	-----	252	-----	27	-----	93	102	-----
TOTAL	2,278	2,508	2,170	5,190	7,136	3,303	2,160	3,770	635	2,017	2,973	5,683
MEAN	73.5	81.6	70.0	163	226	107	72.0	122	21.2	65.1	95.9	189
MAX	236	216	138	482	554	252	202	392	30	113	140	380
MIN	28	28	45	70	119	69	33	27	16	35	56	98
AC-FT	4,520	4,970	4,300	10,290	14,150	6,950	4,200	7,400	1,260	4,000	5,900	11,270

CAL YR 1963 TOTAL 49,085 MEAN 134 MAX 1,900 MIN 12 AC-FT 97,360  
 MAY YR 1964 TOTAL 39,623 MEAN 109 MAX 554 MIN 16 AC-FT 78,990

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	100	37	37	48	44	96	63	46	23	59	807	130
2	96	30	36	47	49	104	69	44	20	53	858	124
3	97	39	36	47	52	174	71	42	16	47	635	116
4	98	40	37	46	49	392	72	40	14	44	462	111
5	94	40	32	46	48	326	72	36	16	43	369	107
6	88	40	74	44	48	250	60	37	14	49	347	105
7	84	39	80	44	53	195	66	35	11	54	360	103
8	80	39	84	43	56	163	64	74	31	54	334	100
9	77	38	84	41	57	143	61	33	71	78	331	115
10	74	38	81	41	53	129	59	32	79	71	300	93
11	72	37	76	40	59	117	57	31	118	73	458	92
12	69	37	74	41	58	106	56	30	167	87	563	110
13	66	36	71	41	57	97	54	24	279	110	847	121
14	63	35	70	42	56	91	52	28	283	119	814	117
15	63	35	64	52	55	86	49	27	226	118	608	108
16	60	35	62	57	53	81	47	26	159	108	482	98
17	58	35	59	56	52	73	46	25	124	97	407	92
18	55	35	56	56	50	74	44	24	147	94	353	89
19	53	34	56	56	49	72	44	23	326	90	310	86
20	51	34	54	55	47	69	43	22	468	91	322	81
21	48	34	53	53	45	60	43	21	309	111	301	77
22	46	34	51	52	45	64	50	20	196	168	238	70
23	45	34	50	51	54	62	52	18	150	231	201	66
24	43	34	49	50	72	60	55	17	111	227	189	71
25	42	36	46	50	84	58	56	17	90	195	178	84
26	41	38	45	49	98	56	56	17	79	210	163	134
27	40	38	48	48	102	54	56	17	71	347	151	135
28	40	38	53	46	100	54	54	16	71	386	152	138
29	38	38	48	44	-----	54	51	17	283	238	141	133
30	39	38	50	43	-----	54	48	30	64	238	141	178
31	39	-----	49	44	-----	56	-----	29	-----	371	133	-----
TOTAL	1,963	1,106	1,791	1,473	1,650	3,481	1,681	804	3,750	4,306	11,955	3,184
MEAN	63.5	36.9	57.8	47.5	54.9	112	56.0	26.5	125	139	386	106
MAX	100	100	84	57	102	392	72	46	468	386	858	178
MIN	39	34	36	40	44	54	43	16	11	43	133	66
AC-FT	3,890	2,190	3,550	2,920	3,270	6,900	3,330	1,770	7,440	8,540	23,710	6,320

CAL YR 1964 TOTAL 37,727 MEAN 102 MAX 554 MIN 16 AC-FT 74,830  
 MAY YR 1965 TOTAL 37,209 MEAN 103 MAX 858 MIN 11 AC-FT 73,800

## 2-3015 Alafia River at Lithia, Fla

Location --Lat 27°52'19", long 82°12'41", near center of sec 16, T 30 S, R 21 E, near center of span on downstream side of bridge on Marvinna Road, 1 1 miles northwest of Lithia (Station), 4 3 miles west of Lithia, Hillsborough County, and 2 0 miles upstream from Little Fishhawk Creek

Drainage area --335 sq mi, approximately

Records available --October 1932 to September 1965 Monthly discharge only prior to February 1933, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 9 86 ft above mean sea level, datum of 1929 Prior to Aug 8, 1939, staff gage at site 250 ft upstream at same datum Aug 8, 1939, to Sept 5, 1963, graphic water-stage recorder at site 30 ft south at same datum

Average discharge --33 years, 384 cfs (278,000 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Maximum discharge (*) and peak discharges above base (1,790 cfs), water years 1961-65							
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 10, 1960	1800	a 1,280	7 37	Feb 14, 1963	2030	2,040	10 72
				Mar 1, 1963	0430	* 2,060	10 79
Aug 26, 1962	1400	2,700	12 34	Aug 12, 1965	1200	-	2,200
Sept 3, 1962	1330	2,180	11 16			* 2,710	11 20
Sept 22, 1962	2400	* 3,850	13 96	Jan 13, 1964	0230	* 2,690	12 32
				Feb 6, 1964	2015	1,810	9 98

a Maximum peak discharge, maximum discharge during year, 1,910 cfs Oct 1, 1960 (gage height, 9 86 ft, stage falling)

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	July 11, 1961	55	-0 26	1964	June 17, 1964	122	0 53
1962	May 21, 22, 1962	64	- 30	1965	May 24, 1965	117	46
1963	May 1, 1963	91	11				

1932-65 Maximum discharge, 45,900 cfs Sept 7, 1933 (gage height, 25 6 ft, from floodmarks), from rating curve extended above 21,000 cfs, minimum, 6 6 cfs June 5, 6, 1945 (gage height, -0 91 ft)

Revisions --The figures of maximum discharge for some water years have been revised as shown in the following table They supersede figures published in WSP 742, 757, 782, 802, 822, 872, 1032, 1082, 1112, 1142, 1172, 1274, 1304, 1624

Water year	Date	Discharge (cfs)	Gage height (feet)	Water year	Date	Discharge (cfs)	Gage height (feet)
1933	Sept 7 1933	45,900	25 6	1947	Sept 20, 1947	17,900	20 38
1934	June 16 1934	7,380	16 40	1948	Sept 30, 1948	5,590	15 59
1935	Sept 5 1935	10,400	18 08	1949	Aug 29 1949	14,100	19 28
1936	Feb 11 1936	2,700	-	1950	Sept 7, 1950	5 030	15 04
1937	Oct 12 1936	2 100	-	1953	Oct 21 1952	7,010	16 27
1939	Oct 17 1938	7,880	16 85	1959	Mar 21, 1959	8,310	17 05
1945	June 25, July 26	7,680	16 83				

Revised peak discharge --1958-59 Mar 21 (0300) 8,310 cfs (17 05 ft), Sept 18 (0800) 6,860 cfs (16 17 ft)  
1959-60 Mar 18 (1100) 8,580 cfs (17 20 ft)

Remarks --Records good prior to Oct 1, 1962, fair thereafter Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --Revised figures of discharge in cubic feet per second, for the water years 1933-36, 1939, 1945, 1947-50, 1959, 1960, superseding figures published in WSP 742, 757, 782, 802, 872, 1032, 1082, 1112, 1142, 1172, 1274, 1304, 1624, 1704, are given herewith

June 11, 1933	417	Sept 5, 1935	9,510	June 17, 1939	3,830	Sept 25, 1947	4,490
12	588		8,760	18	3,670		
13	1,360	7	5,900	19	2,650	Sept 29, 1948	4,210
15	1,680	8	3,750	20	1,860	30	5,420
16	1,340	11	2,100	21	1,430		
17	1,010	13	1,030	22	990	Oct 1, 1948	4,650
July 12	1,080	14	1,550	30	1,860	Aug 28, 1949	8,940
13	3,450			July 4	2,130	29	12,400
14	2,870	Feb 10, 1936	2,100	5	2,500	30	7,220
Sept 4	203	16	1,840	7	2,750	31	3,930
5	5,500	19	1,550	13	1,840	Sept 30	4,450
6	32,900	22	1,920	Aug 5	587		
7	40,800			6	1,930	Oct 1, 1949	4,250
8	17,900	Oct 14, 1938	701	7	1,950	Sept 7, 1950	4,780
9	6,220	15	2,300			8	4,220
10	4,320	16	5,130	Oct 21, 1944	2,580		
11	2,680	17	7,710	June 25, 1945	7,380	Mar 20, 1959	6,760
12	1,680	18	6,750	July 26	7,540	21	7,760
		19	4,350				
June 13, 1934	267		2,380	Sept 19, 1947	11,700	Mar 18, 1960	8,260
14	949		1,570	20	15,500	July 30	10,200
16	5,950	22	1,100	21	7,880	Aug 1	10,630
17	5,900	June 14, 1939	212	22	4,260	2	6,570
21	1,310	15	1,060	23	3,760	Sept 14	7,910
22	845	16	2,010	24	4,800		

## 2-3015 Alafia River at Lithia, Fla --Continued

Month	Cfs-days	Maximum	Minimum	Mean	Per square mile	Runoff in inches
June 1933	15,169	1,830	45	506	1 51	1 68
July	33,844	3,430	366	1,092	3 26	3 76
September	125,561	40,800	187	4,185	12 5	13 94
Water year 1932-33	214,470	40,800	10	588	1 76	2 61
Calendar year 1933	217,090	40,800	10	595	1 78	24 11
June 1934	30,867	5,950	57	1,029	3 07	3 43
Water year 1933-34	118,124	5,950	40	324	97	13 12
Calendar year 1934	121,769	5,950	40	334	1 00	13 52
September 1935	62,849	9,510	434	2,095	6 25	6 98
Water year 1934-35	110,279	9,510	13	302	90	12 25
Calendar year 1935	112,875	9,510	13	309	92	12 54
February 1936	35,341	2,420	254	1,219	3 64	3 92
Water year 1935-36	116,468	2,420	25	318	95	12 91
Calendar year 1936	122,772	2,420	25	335	1 00	13 61
October 1938	42,585	7,710	116	1,374	4 10	4 73
Calendar year 1938	122,281	7,710	17	335	1 00	13 56
June 1939	30,128	3,830	98	1,004	3 00	3 34
July	40,971	3,050	204	1,322	3 95	4 58
August	49,400	3,430	237	1,594	4 75	5 48
Water year 1938-39	221,039	7,710	18	806	1 83	23 53
Calendar year 1939	178,719	3,830	18	490	1 46	19 81
June 1945	25,907 1	7,380	6 6	864	2 58	2 88
July	85,582	7,540	862	2,696	8 05	8 28
Water year 1944-45	206,021 1	7,540	6 6	564	1 68	22 87
Calendar year 1945	207,838 1	7,540	6 6	569	1 70	23 08
September 1947	84,951	15,500	417	2,832	8.45	9 43
Water year 1946-47	210,182	15,500	52	576	1 72	23 35
Calendar year 1947	231,265	15,500	52	634	1 89	25 67
September 1948	32,899	5,420	257	1,097	3 27	3 65
Water year 1947-48	180,062	5,420	15	492	1 47	19 98
Calendar year 1948	185,538	5,420	15	507	1 51	20 60
August 1949	71,896	12,400	401	2,319	6 92	7 98
Water year 1948-49	160,786 3	12,400	8 3	441	1 32	17 86
Calendar year 1949	159,430 3	12,400	8 3	437	1 30	17 70
October 1949	25,627	4,250	206	827	2 47	2 84
September 1950	24,629	4,780	78	821	2 45	2 73
Water year 1949-50	83,211	4,780	12	228	68	9 21
Calendar year 1950	67,386	4,780	12	185	55	7 46
March 1959	58,086	7,760	359	1,874	5 59	6 45
Water year 1958-59	289,011	7,760	105	792	2 36	32 09
Calendar year 1959	311,691	7,760	137	854	2 55	34 61
March 1960	41,535	8,260	311	1,340	4 00	4 61
July	43,257	16,500	279	1,395	4 16	4 80
August	51,405	10,805	324	1,868	5 95	5 70
September	85,440	19,800	342	2,848	8 50	9 49
Water year 1959-60	309,279	19,800	74	845	2 52	34 34

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,760	466	182	197	204	217	158	90	118	181	103	518
2	1,410	175	163	202	198	210	173	90	105	181	205	533
3	1,000	463	203	197	207	175	108	95	143	143	243	490
4	873	411	163	198	252	215	171	104	88	113	195	437
5	789	174	165	196	271	222	155	100	84	90	158	370
6	731	345	164	191	252	208	148	113	80	81	158	347
7	701	318	161	186	409	198	197	120	79	72	153	304
8	811	296	161	188	1,130	183	268	113	90	66	136	301
9	1,160	178	159	216	1,010	182	245	111	611	122	334	412
10	1,270	268	199	181	264	197	143	103	61	116	116	348
11	1,270	258	165	257	867	172	242	173	93	57	115	345
12	1,140	221	177	242	686	169	218	156	94	184	105	345
13	894	245	181	269	538	201	220	135	98	477	96	379
14	700	238	176	440	448	446	214	124	109	470	88	313
15	672	234	181	426	392	422	197	112	115	325	82	292
16	634	230	242	400	359	373	190	102	128	170	142	271
17	600	227	252	363	312	340	192	96	128	102	325	252
18	612	224	236	317	316	318	184	91	78	261	190	219
19	566	219	276	239	265	265	169	88	117	79	736	226
20	709	215	221	259	296	255	154	83	102	130	717	212
21	465	210	230	248	285	219	143	78	95	168	650	197
22	434	208	292	240	271	213	136	75	93	179	533	184
23	411	204	279	231	261	215	135	74	90	163	426	171
24	388	202	254	221	250	190	130	73	90	156	430	160
25	364	197	239	213	244	174	121	72	98	160	496	154
26	343	200	231	200	240	164	115	136	118	152	621	139
27	329	200	225	209	223	158	112	278	168	148	498	131
28	322	206	213	219	152	196	106	210	210	151	520	126
29	317	201	216	213	-----	147	101	161	213	123	560	120
30	303	200	214	219	-----	146	95	144	192	110	501	115
31	321	207	212	-----	-----	146	94	133	-----	101	486	-----
TOTAL	22,455	8,037	6,307	7,713	11,451	6,964	5,161	3,680	3,407	4,738	10,396	8,294
MEAN	718	269	203	249	373	225	172	118	113	151	331	261
MAX	1,760	475	292	440	1,130	446	297	278	213	477	736	533
MIN	500	157	159	186	197	141	75	72	79	57	82	115
CFSM	2,147	80	61	74	1,222	67	51	35	38	46	1,00	83
IN.	2,47	80	61	74	1,222	67	51	35	38	46	1,00	83
AC-FT	4,412	15	15	15	15	15	15	15	15	15	15	15
CAL YR 1961	TOTAL 50,327	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824	MEAN 824
WAT YR 1961	TOTAL 19,500	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270	MEAN 270

## 2-3015 Alafia River at Lithia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	UCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	104	81	81	134	46	86	172	75	90	440	452	1,750
2	104	84	82	176	48	84	199	76	178	558	457	1,790
3	99	83	81	169	48	85	223	75	262	689	380	2,130
4	90	82	80	133	98	85	198	74	230	704	388	1,890
5	98	83	80	147	98	86	191	75	192	595	412	1,670
6		86	80	139	98	86	169	104	168	484	398	1,500
7	96	86	82	153	93	82	170	98	151	402	443	1,120
8	92	85	81	158	100	82	226	91	139	362	463	1,080
9	89	84	80	147	99	82	235	86	154	335	473	1,350
10	86	87	80	136	123	80	212	80	176	298	484	891
11	85	80	78	132	131	76	190	75	242	320	421	873
12	86	80	75	140	149	77	175	75	475	332	380	1,210
13	86	83	81	151	155	82	159	77	512	338	420	1,190
14	92	82	87	147	123	86	142	72	568	407	519	1,320
15	97	80	86	137	113	91	126	73	645	535	517	1,240
16	95	80	85	133	109	204	117	71	535	523	552	1,070
17	91	81	86	128	122	309	106	69	524	436	571	932
18	93	80	85	124	135	77	100	69	757	380	697	707
19	91	80	142	120	127	236	94	63	640	335	717	707
20	87	80	203	118	120	198	89	66	544	344	717	825
21	82	83	186	117	116	175	86	65	871	398	741	2,570
22	80	83	149	117	109	153	84	65	1,490	394	1,010	3,510
23	77	83	134	123	103	181	81	85	1,200	391	1,370	3,580
24	76	90	126	124	99	250	109	83	1,010	338	1,980	2,650
25	75	96	116	120	90	240	49	93	968	323	1,970	1,840
26	75	90	108	118	90	275	93	93	624	327	2,470	1,260
27	75	89	104	114	90	292	80	77	459	296	2,520	983
28	75	89	104	114	89	267	76	76	420	286	2,040	869
29	86	77	112	112	-----	236	77	76	409	274	1,370	767
30	80	80	99	110	-----	216	76	79	356	274	1,190	689
31		-----	100	102	-----	192	-----	83	-----	374	1,380	-----
TOTAL	2,720	2,511	3,145	4,112	3,070	4,745	4,105	2,441	14,989	12,492	27,877	43,996
MEAN	87.7	81.7	101.1	133.3	110.7	150.0	131.7	78.7	463.3	403.3	899.9	1,467.7
MAX	104	96	203	176	151	309	235	109	1,490	704	2,520	3,580
MIN	75	80	78	102	89	76	76	65	90	274	380	689
CFSM	26	25	30	40	33	48	41	24	149	120	268	438
IN.	30	28	35	46	34	55	46	27	166	139	309	488
AC-FT	5,400	4,960	6,240	8,160	6,090	9,310	8,140	4,840	29,730	24,780	55,280	87,260

CAL YR 1961 TOTAL 10,180 MEAN 102 MAX 1,130 MIN 57 CFSM .57 IN 7.79 AC-FT 139,200  
 WAT YR 1962 TOTAL 126,398 MEAN 346 MAX 3,580 MIN 65 CFSM 1.03 IN 14.03 AC-FT 250,700

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	UCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	653	146	196	171	202	1,280	144	136	270	998	542	424
2	908	184	195	168	199	1,640	193	142	290	798	500	380
3	208	182	191	164	183	1,160	145	147	290	619	763	332
4	469	197	177	160	242	1,770	175	160	250	493	866	116
5	451	208	170	160	238	1,400	171	164	577	412	927	301
6	433	193	168	166	298	1,700	165	153	523	345	822	310
7	415	131	164	205	290	958	168	143	311	338	649	118
8	402	186	168	223	285	111	171	130	316	328	460	307
9	404	387	166	208	274	742	164	119	296	293	418	277
10	458	442	162	197	267	964	159	110	271	326	376	249
11	390	395	160	188	254	947	156	110	247	383	336	230
12	346	319	158	187	475	353	153	103	230	380	326	220
13	336	384	155	188	1,220	774	146	200	206	490	297	213
14	323	379	153	188	1,900	665	144	206	274	411	297	204
15	301	334	152	194	1,790	595	139	158	220	373	316	214
16	273	303	155	220	1,740	562	135	134	185	367	307	238
17	257	200	158	212	925	510	130	121	197	683	303	210
18	237	262	170	214	811	448	128	111	177	648	366	220
19	226	260	162	218	757	412	125	110	156	592	819	498
20	223	247	156	216	794	365	120	101	144	498	739	475
21	218	236	160	223	734	345	118	114	138	440	681	544
22	225	250	159	236	660	318	115	281	128	433	1,180	741
23	250	266	160	231	611	292	110	210	143	720	952	996
24	240	229	162	254	724	272	108	180	578	1,120	849	916
25	226	213	166	258	475	243	105	164	958	1,000	827	864
26	216	213	171	246	689	238	102	271	962	871	731	864
27	208	205	172	241	1,570	234	100	351	973	737	598	860
28	204	202	175	237	1,800	228	100	352	1,150	608	517	801
29	190	197	175	225	-----	218	98	397	1,080	512	478	723
30	192	194	177	213	-----	211	100	336	1,110	532	496	662
31	186	-----	174	207	-----	199	-----	290	-----	574	474	-----
TOTAL	10,013	7,778	5,187	6,422	19,779	22,304	4,183	5,759	12,660	17,322	18,212	13,905
MEAN	323	259	167	207	706	719	139	186	422	559	587	464
MAX	633	462	196	258	1,900	1,980	194	397	1,150	1,120	1,180	996
MIN	186	181	152	160	188	199	99	101	128	293	297	204
CFSM	96	77	50	62	2.11	2.15	42	55	1.76	1.67	1.75	1.38
IN.	1.11	1.86	2.58	2.71	2.20	2.48	46	64	1.41	1.92	2.07	1.54
AC-FT	19,860	15,430	10,290	12,740	39,230	44,240	8,300	11,420	25,110	34,360	36,120	27,580

CAL YR 1962 TOTAL 141,000 MEAN 386 MAX 3,580 MIN 65 CFSM 1.15 IN 15.65 AC-FT 279,700  
 WAT YR 1963 TOTAL 143,524 MEAN 393 MAX 1,980 MIN 99 CFSM 1.17 IN 15.93 AC-FT 284,700

Note --Computed from once-daily staff-gage readings Oct 5 to Nov 7, Mar 15 to Apr 4



## 2-3015 Alafia River at Lithia, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
1	580	135	242	278	373	421	705	246	134	276	316	296			
2	506	135	224	266	355	425	556	788	132	301	282	297			
3	443	138	210	245	356	411	443	1,350	131	547	292	312			
4	400	143	203	234	511	373	380	1,140	130	419	313	361			
5	372	144	200	226	1,090	354	335	1,160	132	414	274	400			
6	341	174	192	230	1,450	348	313	952	138	408	255	414			
7	305	193	185	340	1,610	341	290	672	142	400	244	414			
8	272	182	185	483	1,730	313	264	510	143	354	306	408			
9	253	180	174	438	1,600	297	245	417	141	298	394	386			
10	235	552	174	410	1,300	278	236	354	142	259	438	408			
11	220	1,040	172	384	1,080	268	221	307	146	234	414	516			
12	213	844	171	1,430	840	258	209	273	146	221	456	600			
13	207	800	174	2,500	663	241	194	246	142	204	433	645			
14	204	660	175	2,320	589	234	181	242	146	188	398	700			
15	168	443	182	1,720	538	226	177	266	142	178	373	780			
16	182	405	174	1,190	516	225	172	233	134	174	352	820			
17	181	415	178	866	507	449	168	211	130	175	326	760			
18	176	370	215	756	531	445	165	199	145	180	372	720			
19	175	334	216	667	998	370	160	190	144	181	337	680			
20	175	264	220	658	900	383	156	185	134	171	408	600			
21	173	246	216	770	866	391	153	179	130	165	589	560			
22	168	231	211	716	744	340	148	168	130	165	678	500			
23	154	222	210	662	676	298	146	164	127	181	654	415			
24	154	219	403	555	595	271	142	158	125	217	549	380			
25	154	226	462	489	549	259	150	136	125	234	492	366			
26	153	251	442	471	507	247	144	159	126	322	428	380			
27	152	244	428	436	466	251	140	156	129	440	380	365			
28	160	236	390	415	447	520	149	153	137	408	344	338			
29	149	249	363	419	438	1,250	200	146	174	386	331	313			
30	140	262	322	411	-----	944	233	142	174	369	315	796			
31	138	-----	301	391	-----	884	-----	137	-----	352	303	-----			
TOTAL	7,323	10,055	1,618	21,576	22,445	12,315	7,180	11,059	4,151	8,823	12,046	14,430			
MEAN	236	325	246	696	780	397	239	376	138	285	389	481			
MAX	580	1,040	462	2,500	1,730	1,250	705	1,350	174	547	678	820			
MIN	138	135	171	226	355	225	140	137	125	165	244	296			
CFSM	.71	1.00	.73	2.08	2.35	1.19	.71	1.12	.41	.85	1.16	1.44			
IN.	.61	1.12	.85	2.40	2.54	1.37	.80	1.29	.46	.98	1.34	1.60			
AC-FT	14,520	19,940	15,110	42,800	45,310	24,430	14,240	23,130	8,230	17,500	23,890	28,420			
CAL YR 1963	TOTAL 145,542			MEAN 399		MAX 1,980		MIN 99		CFSM 1.19		IN 16.16		AC-FT 288,700	
MAT YR 1964	TOTAL 140,021			MEAN 383		MAX 2,500		MIN 125		CFSM 1.14		IN 15.54		AC-FT 277,700	

Note --Computed from once-daily staff-gage readings Oct 6 to Nov 4

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
1	289	177	182	191	255	320	205	180	144	226	1,900	401			
2	288	177	180	193	254	302	202	172	137	216	2,200	413			
3	286	177	176	193	290	366	201	171	130	211	1,850	403			
4	286	179	189	196	272	481	197	165	126	235	1,530	383			
5	286	176	237	197	650	618	192	161	126	231	1,370	339			
6	280	168	320	196	281	606	188	158	126	239	1,120	320			
7	272	167	348	190	237	513	186	155	124	269	932	336			
8	267	167	390	181	254	431	184	151	138	262	980	314			
9	264	164	418	178	273	372	179	149	189	285	1,290	522			
10	259	161	373	180	263	325	176	148	218	347	2,070	473			
11	251	160	324	190	246	295	174	146	264	314	2,210	377			
12	244	160	296	208	230	288	171	143	386	337	2,540	350			
13	236	160	284	219	220	269	169	143	489	406	2,160	352			
14	234	160	271	221	210	276	169	141	505	445	1,890	341			
15	234	159	258	246	200	292	175	142	533	467	1,670	319			
16	224	158	245	285	190	294	174	143	503	399	1,360	299			
17	223	155	233	284	190	276	173	144	431	344	1,080	281			
18	212	156	227	271	190	257	170	143	405	342	845	294			
19	207	159	222	260	180	249	170	142	422	326	716	289			
20	206	159	216	253	180	242	170	138	888	319	710	280			
21	206	160	210	242	180	233	170	135	999	393	1,090	262			
22	202	163	204	233	180	224	170	135	861	424	1,300	245			
23	199	167	200	229	190	218	180	131	699	439	1,040	267			
24	196	169	195	226	210	211	190	120	564	459	736	300			
25	194	177	189	230	250	202	190	128	449	506	604	432			
26	195	183	185	229	320	194	200	130	385	559	515	479			
27	212	184	185	224	350	190	210	130	357	539	455	532			
28	192	183	192	215	340	193	210	128	316	566	449	678			
29	190	182	193	204	-----	205	199	127	271	617	437	1,250			
30	185	183	190	200	-----	213	190	127	240	690	418	898			
31	182	-----	189	235	-----	212	-----	138	-----	1,300	407	-----			
TOTAL	7,206	5,050	7,525	6,799	7,085	9,367	5,534	4,464	11,720	12,712	37,874	12,399			
MEAN	232	168	243	219	253	302	184	144	391	410	1,222	413			
MAX	289	184	418	285	650	618	210	180	999	1,300	2,540	1,250			
MIN	182	155	178	178	180	190	169	120	124	211	407	245			
CFSM	.69	.50	.72	.65	.76	.90	.45	.43	1.17	1.22	3.45	1.23			
IN.	.80	.26	.84	.75	.79	1.04	.61	.50	1.30	1.41	4.20	1.38			
AC-FT	14,290	10,020	14,930	13,490	14,050	18,580	10,980	8,850	23,250	25,210	75,120	24,590			
CAL YR 1964	TOTAL 134,806			MEAN 368		MAX 2,500		MIN 125		CFSM 1.10		IN 14.97		AC-FT 267,400	
MAT YR 1965	TOTAL 127,735			MEAN 350		MAX 2,540		MIN 120		CFSM 1.04		IN 14.18		AC-FT 253,400	

Note --No gage-height record Aug 1, 2

## 2-3018 Sixmile Creek at Tampa, Fla

Location --Lat 27°57'59", long 82°22'07", in SW $\frac{1}{4}$  sec 12, T 29 S, R 19 E, on left bank 25 ft up-stream from bridge on State Highway 574, at southeastern city limits of Tampa, Hillsborough County, and 4 miles upstream from mouth

Drainage area --28 sq mi, approximately

Records available --September 1956 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Dec 10, 1958, staff gage at same site and datum

Average discharge --9 years, 62 0 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

## Annual maximum discharge (\*) and peak discharges above base (300 cfs), water years 1961-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Aug 28, 1961	1800	* 147	5 60	Feb 12, 1963	0230	* 496	8 23	July 26, 1964	1330	755	9 42
June 21, 1962	1230	444	7 91	Feb 26, 1963	1400	435	7 85	Aug 14, 1964	1930	300	6 85
Aug 19, 1962	1830	415	7 70	Sept 22, 1963	2130	368	7 30	Sept 10, 1964	1830	373	7 34
Aug 25, 1962	2100	* 842	9 77	Nov 10, 1963	0900	405	7 62	July 19, 1965	1700	334	7 05
Aug 28, 1962	1630	536	8 45	Jan 12, 1964	0630	* 779	9 52	July 31, 1965	1500	806	9 63
Aug 30, 1962	2200	609	8 80	Mar 28, 1964	1500	762	9 45	Aug 5, 1965	0230	341	7 10
Sept 11, 1962	2200	359	7 23	May 2, 1964	0900	444	7 91	Aug 9, 1965	2330	408	7 65
Sept 20, 1962	1900	702	9 20	June 30, 1964	1845	434	7 84	Aug 16, 1965	1230	509	8 30

## Annual minimum daily discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	July 28, Aug 3, Sept 26-29, 1961	23	a 4 02	1963	June 16, 1963	4 7	c 4 14
1962	May 27, 1962	4 4	b 3 98	1964	July 14-16, 1964	26	d 4 17
				1965	May 23-25, 28, 29, 1965	20	e 4 29

a Occurred May 25, 26, 1961

b Occurred Dec 14, 1961

c Occurred Apr 12, 13, 1963

d Occurred Apr 23, 1964

e Occurred Sept 22, 23, 1965

1956-65 Maximum discharge, 1,290 cfs Sept 11, 1960 (gage height, 11 47 ft), minimum daily, 4 4 cfs May 27, 1962, minimum gage height, 3 94 ft Dec 23, 1956

Remarks --Records fair

Revisions (water years) --WSP 1624 1957-58

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR LCTURE 1960 TO SEPTEMBER 1961

DAY	ULT	NOV.	DEC	JAN.	FEB	MAR.	APP.	MAY	JUNF	JULY	AUG.	SEPT.
1	87	63	40	40	36	33	31	26	25	40	24	58
2	81	36	36	40	36	34	25	25	36	38	26	49
3	79	32	39	39	43	33	30	17	26	47	23	42
4	74	30	39	39	42	33	30	27	27	53	26	37
5	71	30	39	39	52	33	30	26	26	54	26	34
6	69	49	39	38	47	33	29	26	25	48	24	32
7	67	49	39	38	76	32	30	26	28	52	27	30
8	63	46	39	39	83	32	30	26	28	54	42	38
9	90	46	39	42	62	32	30	26	17	53	50	44
10	90	46	39	41	55	32	30	26	33	60	48	39
11	71	46	40	40	52	32	30	28	34	73	46	32
12	72	46	42	40	48	31	31	28	39	80	44	28
13	67	43	40	43	40	34	34	28	31	53	52	26
14	62	44	40	48	43	42	32	24	63	54	69	25
15	62	44	41	44	41	37	31	28	68	44	61	34
16	60	43	42	42	40	35	32	27	54	32	53	35
17	58	52	40	41	39	34	30	26	48	34	48	30
18	58	48	40	40	39	33	30	26	39	30	54	28
19	55	46	40	40	38	33	29	26	34	45	55	27
20	53	44	40	44	37	30	28	26	34	78	64	26
21	53	43	43	40	37	32	28	28	32	66	46	25
22	52	43	43	39	36	32	26	28	32	47	36	24
23	50	42	42	37	36	31	28	28	33	34	43	24
24	49	42	42	36	36	30	28	34	39	33	39	24
25	48	42	41	37	36	30	28	26	41	30	33	24
26	49	42	41	38	34	30	28	26	47	31	40	23
27	49	42	40	38	33	30	27	29	46	30	46	23
28	49	40	40	37	33	30	27	30	48	23	122	23
29	49	40	40	37	-----	30	26	37	44	25	103	23
30	40	40	40	36	-----	30	26	31	43	28	85	24
31	60	-----	40	36	-----	30	-----	25	-----	26	73	-----
TOTAL	1,958	1,384	1,252	1,230	1,261	1,004	891	855	1,144	1,395	1,533	931
MEAN	63.2	40.1	40.4	39.7	45.0	32.4	29.4	27.7	38.1	45.0	49.5	31.0
MAX	90	63	43	48	83	42	34	37	68	80	122	58
MIN	48	40	39	36	33	30	26	25	25	23	23	23
CFSM	2.26	1.65	1.44	1.42	1.61	1.16	1.05	99	1.36	1.61	1.77	1.11
IN.	2.60	1.84	1.66	1.63	1.67	1.33	1.17	1.14	1.52	1.85	2.04	1.24

CAL YR 1960 TOTAL 31,997 MEAN 87.4 MAX 961 MIN 29 CFSM 3.12 IN 42.50  
 MAT YR 1961 TOTAL 14,831 MEAN 40.6 MAX 122 MIN 23 LFSM 1.45 IN 19.70

## 2-3018 Sixmile Creek at Tampa, Fla -Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	24	32	18	31	15	9.6	37	33	39	37	36	478
2	24	30	18	32	14	9.6	40	28	16	39	39	344
3	24	28	17	28	14	9.2	33	26	7.2	32	38	319
4	24	27	17	26	13	9.6	26	29	6.8	27	35	334
5	25	26	17	24	13	9.2	23	53	7.2	24	32	249
6	25	27	16	24	14	8.4	24	32	8.0	22	63	211
7	24	28	16	28	13	7.6	52	26	11	20	80	192
8	24	28	16	27	13	8.8	85	23	11	19	68	176
9	24	24	16	24	19	9.2	58	20	14	18	50	162
10	23	25	16	23	54	13	42	18	18	18	40	129
11	24	24	16	24	33	14	32	17	52	18	34	155
12	26	24	16	24	24	16	24	18	88	20	30	243
13	28	23	18	26	19	16	20	13	62	20	24	189
14	30	23	15	24	16	18	18	12	56	18	20	162
15	28	22	14	24	16	26	18	11	45	16	21	134
16	28	22	14	23	20	57	18	11	58	15	28	109
17	28	21	14	22	20	49	17	9.6	105	17	28	111
18	28	21	34	21	16	42	17	9.2	126	13	25	140
19	28	21	65	20	14	39	18	8.4	85	12	122	109
20	27	22	55	20	14	38	17	8.0	105	27	125	400
21	27	21	47	19	13	39	16	6.8	321	25	119	412
22	27	22	42	19	13	42	15	6.0	194	20	140	300
23	27	23	39	18	12	63	15	5.4	149	16	184	230
24	26	22	36	18	12	53	15	5.1	128	18	251	199
25	26	20	32	17	11	61	14	4.9	122	24	338	180
26	25	19	28	16	11	101	14	4.7	74	26	331	150
27	25	20	27	16	10	63	14	4.4	56	27	222	122
28	24	19	27	17	10	42	14	5.1	46	28	300	104
29	30	18	24	15	-----	32	16	6.8	40	28	251	90
30	36	18	22	15	-----	28	25	5.6	37	28	286	86
31	34	-----	24	15	-----	28	-----	6.0	-----	32	399	-----
TOTAL	823	700	776	684	465	961.2	787	464.0	2,087.2	704	3,759	6,117
MEAN	26.5	23.3	25.0	22.1	16.6	31.0	26.2	15.0	69.6	22.7	121	204
MAX	36	32	65	32	54	101	85	53	321	39	399	412
MIN	23	18	14	10	7	6	14	4.4	6.8	12	20	86
CFSM	.95	.83	.89	.79	.59	1.11	.94	.53	2.48	.81	4.33	7.28
IN.	1.09	.93	1.03	.91	.62	1.28	1.05	.62	2.77	.94	4.99	8.12
CAL YR 1961	TOTAL	17,536	MEAN	34.3	MAX	122	MIN	14	CFSM	1.23	IN	16.65
WAT YR 1962	TOTAL	18,327.4	MEAN	30.2	MAX	412	MIN	4.4	CFSM	1.79	IN	24.34

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	81	56	49	42	42	117	38	32	31	53	63	56
2	75	55	49	42	41	147	38	32	23	42	62	66
3	73	56	48	42	45	144	38	32	16	38	65	62
4	74	56	47	42	143	109	37	31	15	27	76	56
5	71	55	47	42	105	84	36	31	20	17	67	49
6	68	55	47	45	84	71	36	31	35	15	64	56
7	66	54	46	49	72	64	48	31	38	15	61	49
8	63	57	47	47	64	58	38	31	42	15	60	75
9	66	66	47	45	58	79	37	29	26	15	59	58
10	69	62	46	43	53	119	36	27	21	15	61	50
11	66	57	46	42	54	86	36	25	19	25	62	51
12	63	57	46	42	309	71	34	25	19	25	62	52
13	62	59	45	42	188	63	34	28	9.6	25	61	45
14	61	57	45	42	171	58	34	26	6.4	25	61	44
15	59	55	46	42	146	54	34	24	5.1	25	63	46
16	58	54	46	42	119	50	34	21	4.7	40	63	45
17	58	53	47	42	107	48	34	20	6.0	40	61	51
18	57	53	47	42	89	46	34	20	14	40	74	68
19	57	52	46	42	102	44	34	20	27	40	101	67
20	56	52	45	42	95	43	34	20	28	40	101	78
21	55	52	45	49	77	42	33	22	31	90	141	150
22	61	53	45	44	68	42	33	33	34	90	178	160
23	59	51	44	45	61	40	33	23	34	90	121	223
24	57	50	44	53	61	39	33	21	38	90	91	139
25	55	50	45	48	61	38	33	28	39	120	95	109
26	55	49	45	49	208	38	32	29	36	97	71	94
27	54	49	45	49	181	40	32	54	34	84	79	66
28	54	49	46	45	148	40	32	68	41	75	58	71
29	54	49	45	43	-----	38	32	56	39	70	56	76
30	55	49	44	43	-----	38	32	63	48	66	52	56
31	57	-----	43	42	-----	38	-----	41	-----	64	50	-----
TOTAL	1,921	1,622	1,422	1,370	2,952	2,005	1,049	974	779.8	1,513	2,326	2,281
MEAN	62.0	54.1	45.9	44.2	105	64.7	35.0	31.4	26.0	48.8	75.0	76.0
MAX	81	66	49	53	309	147	46	68	48	120	178	223
MIN	54	49	43	42	41	38	32	20	4.7	15	50	44
CFSM	2.21	1.93	1.64	1.58	3.77	2.31	1.25	1.12	.93	1.74	2.68	2.72
IN.	2.55	2.15	1.89	1.82	3.92	2.66	1.39	1.29	1.04	2.01	3.09	3.03
CAL YR 1962	TOTAL	20,993.4	MEAN	57.5	MAX	412	MIN	4.4	CFSM	2.05	IN	27.88
WAT YR 1963	TOTAL	20,214.8	MEAN	55.4	MAX	309	MIN	4.7	CFSM	1.98	IN	26.85

## 2-3018 Sixmile Creek at Tampa, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	48	35	38	47	52	54	156	42	31	162	85	66
2	41	39	35	43	48	54	116	203	30	146	85	97
3	39	37	33	39	54	56	89	159	31	156	68	79
4	38	37	33	38	142	57	70	126	30	104	58	66
5	37	38	33	35	188	53	61	99	31	76	51	90
6	35	45	32	35	200	49	55	79	31	67	49	128
7	35	39	31	83	146	47	51	66	32	56	50	94
8	33	38	31	80	184	45	48	59	33	44	46	78
9	33	38	31	72	127	46	46	53	33	37	45	66
10	35	45	29	72	95	54	45	46	33	33	65	197
11	35	176	28	64	79	50	43	43	33	30	85	184
12	35	153	28	433	67	48	42	41	33	28	85	144
13	33	108	28	192	62	52	41	38	33	28	62	182
14	35	78	28	170	57	46	41	42	33	26	92	135
15	32	64	30	150	55	44	40	39	33	26	105	119
16	33	55	29	140	55	44	40	37	33	26	155	110
17	35	49	33	156	50	83	39	36	35	31	105	101
18	35	45	35	146	122	67	39	35	35	48	82	92
19	35	41	33	129	54	54	39	35	35	39	147	85
20	35	39	31	125	99	67	37	35	35	38	178	78
21	35	37	31	116	85	63	38	34	35	36	161	69
22	33	35	31	102	108	52	37	32	35	36	132	62
23	33	35	60	92	110	47	35	31	33	43	105	57
24	32	33	116	85	104	46	36	31	31	64	117	52
25	32	41	82	77	91	45	36	31	31	100	138	49
26	32	47	67	73	68	48	36	31	31	445	87	45
27	32	43	61	68	60	54	37	31	31	352	67	44
28	33	40	56	70	65	436	39	31	31	222	58	43
29	35	47	54	64	60	248	39	31	61	190	51	42
30	33	41	50	58	-----	193	38	30	182	148	48	41
31	33	-----	50	54	-----	181	-----	30	-----	106	54	-----
TOTAL	1,080	1,798	1,287	3,108	2,787	2,483	1,509	1,054	1,154	2,943	2,716	2,690
MEAN	34.8	59.9	41.5	100	96.1	80.1	50.3	53.4	38.5	94.9	87.6	89.7
MAX	48	245	116	433	200	436	156	203	182	445	178	192
MIN	32	33	28	35	44	44	35	30	30	26	45	41
CFSM	1.24	1.48	1.48	3.58	3.43	2.86	1.80	1.91	1.37	3.39	3.13	3.20
IN.	1.43	2.39	1.71	4.13	3.70	3.30	2.00	2.20	1.53	3.91	3.61	3.57
CAL YR 1963	TOTAL 19,414.8			MEAN 53.2		MAX 309		MIN 4.7		CFSM 1.90		IN 25.79
WAT YR 1964	TOTAL 25,211			MEAN 68.9		MAX 445		MIN 26		CFSM 2.46		IN 33.49

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	40	39	37	36	33	27	40	36	22	33	315	60
2	52	39	39	35	37	38	39	35	22	33	202	69
3	64	40	39	36	39	43	39	35	24	35	184	95
4	58	40	39	37	36	39	39	35	26	33	181	69
5	57	40	80	37	35	34	39	34	30	82	232	62
6	52	40	61	37	34	31	40	34	29	153	183	59
7	49	40	44	37	38	29	41	34	25	83	176	57
8	45	40	40	36	40	28	41	32	54	54	178	56
9	44	40	39	35	39	32	43	32	34	47	222	115
10	43	40	39	35	36	36	43	32	38	69	284	71
11	43	40	37	36	34	36	44	37	55	65	238	61
12	43	40	37	36	32	34	45	30	76	86	231	56
13	43	40	37	36	32	37	46	28	80	126	203	53
14	45	41	37	37	31	42	45	27	70	74	188	51
15	53	40	37	41	29	35	44	26	70	51	158	51
16	50	39	37	43	28	35	46	25	59	38	295	55
17	47	41	37	39	27	40	46	24	53	42	225	54
18	45	41	37	36	28	39	46	24	88	51	176	53
19	43	41	38	35	27	38	46	23	162	87	127	51
20	43	40	38	35	24	37	45	23	90	123	110	49
21	42	40	39	35	25	37	55	23	60	138	87	48
22	41	40	38	35	25	35	52	22	48	74	83	47
23	41	42	38	35	29	36	44	20	41	52	73	49
24	41	43	37	36	38	36	43	20	43	43	89	58
25	40	40	36	37	40	36	54	20	79	87	98	66
26	40	39	37	35	35	36	53	22	98	144	111	102
27	39	38	41	35	31	37	46	22	66	97	71	71
28	39	37	42	32	29	38	43	20	51	78	67	126
29	39	37	39	32	-----	39	40	20	42	134	68	189
30	39	38	38	32	-----	39	39	22	37	378	73	139
31	39	-----	37	34	-----	40	-----	22	-----	483	63	-----
TOTAL	1,399	1,195	1,251	1,113	911	1,119	1,326	834	1,646	3,073	4,991	2,142
MEAN	45.1	39.8	40.4	35.9	32.5	36.1	44.7	26.9	54.9	99.1	161	71.4
MAX	64	43	80	43	40	43	55	36	162	483	315	189
MIN	39	37	36	32	24	27	39	20	22	33	63	47
CFSM	1.61	1.42	1.44	1.28	1.16	1.29	1.58	96	1.96	3.56	5.75	2.55
IN.	1.80	1.59	1.66	1.48	1.21	1.49	1.76	1.11	2.19	4.08	6.63	2.85
CAL YR 1964	TOTAL 24,891			MEAN 68.0		MAX 445		MIN 26		CFSM 2.43		IN 33.06
WAT YR 1965	TOTAL 21,000			MEAN 57.5		MAX 483		MIN 20		CFSM 2.05		IN 27.89

2-3019 Fox Branch near Socrum, Fla

Location --Lat 28°10'55", long 82°00'45", in NE¼ sec 33, T 26 S , R 23 E , near center of span on upstream side of bridge on Rock Ridge Road, 1 1 miles northeast of Socrum, Polk County, and 10 miles north of Lakeland

Drainage area --9 5 sq mi, approximately

Records available --December 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 110 00 ft above mean sea level, unadjusted Prior to Aug 24, 1965, graphic water-stage recorder at same site and datum

Extremes --1963-64 Maximum discharge during period December 1963 to September 1964, 685 cfs Sept 11 (gage height, 7 30 ft), from rating curve extended above 160 cfs on basis of velocity-area study, no flow May 24 to June 4, minimum gage height, 2 90 ft June 5  
1964-65 Maximum discharge during water year, 188 cfs Aug 9 (gage height, 5 99 ft), no flow for many days, minimum gage height, 2 71 ft May 24-27

Remarks --Records good below 200 cfs and fair above

## DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1			-	3.0	6.5	4.4	9.5	11	0	22	4.2	4.4
2			-	2.7	5.5	3.8	6.8	34	0	20	5.0	19
3			-	2.3	6.2	3.4	4.8	30	0	12	8.8	27
4			-	2.2	20	3 0	3.8	11	0	9.0	5.8	84
5			-	2.2	44	3.2	3.0	5.8	.10	7.2	21	71
6			-	1.9	60	3.4	2.3	3.4	.80	7.0	180	24
7			-	5.9	40	3 4	1 6	2.3	1 2	4.6	91	11
8			-	14	32	3.0	1.1	1 2	.50	12	31	7.0
9			-	8.8	32	2.5	1.0	80	.50	7.8	18	5.8
10			-	6.5	15	2.3	.80	.60	.60	3.2	9.5	212
11			-	4.8	11	2.1	.70	.50	3.4	2.8	15	418
12			1 2	266	8.5	2.0	.60	.50	1.2	8.8	33	121
13			1 2	206	7.2	1 8	.50	.50	.60	4.2	18	70
14			1 6	47	6 5	1.8	.50	.50	.50	2.0	8.8	39
15		* 3 5	2 3	23	6.2	1.6	.50	.50	.40	1.0	9.9	28
16			2 0	14	6.2	1 4	.50	.50	.30	1.1	9.8	34
17			2 4	15	6.2	15	.60	.50	.20	3.2	6.2	18
18	* 0 1		3 7	22	14	17	.50	.40	.20	7.2	5.5	10
19			3 9	15	39	9.2	.50	.30	.20	6.2	9.5	7.5
20			2 8	12	25	7.0	.40	.30	.20	4.0	12	5.5
21			2 3	11	11	6.8	.40	.20	.30	22	20	4.2
22			2 0	8 8	9 5	5 2	.40	10	.30	27	30	3.6
23			3 3	8.0	11	4.0	.40	.10	.10	30	15	3.4
24			19	7.5	9.2	3.2	.40	0	.20	30	8.0	2.6
25			21	7.0	7.2	2.8	.40	0	.20	27	9.0	2.1
26			10	7.0	6.0	2.8	.40	0	.10	73	8.5	1.6
27			6 5	7.2	5.5	5.2	.40	0	.40	188	6.8	1.2
28			5 0	9 5	5.8	45	.60	0	.80	58	7.5	2.0
29			4 3	10	5 8	97	1.1	0	5.5	22	7.2	1.2
30			3 7	8.2	-----	36	.80	0	17	12	4.8	.90
31		-----	3 5	7.2	-----	15	-----	0	-----	6.5	3.4	-----
TOTAL			-	765.7	466.0	314.3	45.30	105.00	35.80	640.8	622.1	1,234.00
MEAN			-	24.7	16.1	10.1	1.51	3.39	1.19	20.7	20.1	41.1
MAX			-	266	60	97	9.5	34	17	188	180	418
MIN			-	1.9	5 5	1 4	.40	0	0	1.0	3.4	.90
CFSM			-	2.60	1.09	1.07	.16	.36	.13	2.18	2.11	4.33
IN.			-	3.00	1.82	1.23	.18	.41	.14	2.51	2.44	4.83
AC-FT			-	1,520	924	623	90	208	71	1,270	1,230	2,450

\* Result of field estimate

## 2-3019 Fox Branch near Socrum, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.80	.30	.20	.90	1.2	5.0	.50	50	0	.80	152	4.5
2	1.0	.30	.10	.80	2.5	4.8	.50	.40	0	.50	112	3.0
3	3.0	.30	.30	.60	8.2	7.5	.40	30	0	.40	68	2.0
4	4.2	.40	1.8	.70	5.5	18	.40	.20	0	.40	34	1.0
5	4.8	.40	6.6	.80	4.0	17	.40	.20	0	.40	58	.60
6	4.0	.40	12	.80	3.6	9.5	.30	.10	0	.40	58	.50
7	4.0	.40	6.0	.70	4.4	8.0	.30	.10	0	.40	42	.50
8	3.0	.30	3.6	.60	6.0	5.8	.30	0	0	.80	94	.50
9	3.0	.30	2.6	.50	5.0	4.6	.20	0	0	8.2	143	2.4
10	2.6	.30	2.3	.50	3.8	3.8	.20	0	.50	4.0	162	3.7
11	2.3	.30	2.0	.50	3.0	3.4	.20	0	4.6	1.8	94	2.7
12	1.8	.30	1.6	.50	2.5	2.8	.20	0	10	1.0	45	1.3
13	1.2	.30	1.4	.50	2.3	4.5	.10	0	13	.70	31	.60
14	1.6	.30	1.2	.50	2.0	12	.10	0	7.2	1.1	16	1.2
15	1.8	.20	1.2	3.0	1.8	9.5	.10	0	7.5	3.6	8.8	12
16	1.4	.20	1.0	4.6	1.8	7.0	.10	0	5.5	4.0	6.0	7.4
17	.90	.20	1.0	3.4	1.4	5.0	.10	0	6.0	4.0	4.6	7.3
18	.60	.20	1.0	2.3	1.4	4.0	.10	0	54	4.6	3.0	7.6
19	.50	.20	1.0	2.1	1.6	3.2	.10	0	78	12	2.5	4.9
20	.50	.20	.80	2.0	1.0	2.6	0	0	33	24	20	3.2
21	.40	.20	.70	2.0	.90	2.3	0	0	12	24	40	2.0
22	.40	.20	.70	1.3	.90	2.0	0	0	5.8	33	38	1.0
23	.40	.20	.80	1.6	.50	2.0	.30	0	6.2	15	28	.60
24	.40	.20	.70	1.8	18	1.8	.30	0	9.5	6.2	13	.70
25	.40	.30	.60	4.2	23	1.6	2.7	0	10	4.4	7.6	.80
26	.40	.30	.60	3.6	18	1.0	9.5	0	7.0	8.0	4.5	1.3
27	.30	.30	1.0	2.8	10	.80	7.0	0	4.4	29	3.0	10
28	.30	.30	1.6	2.0	6.5	.90	3.4	0	3.8	42	3.7	12
29	.30	.20	1.6	1.4	-----	.90	1.1	0	3.0	18	8.6	16
30	.30	.20	1.2	1.4	-----	.80	.60	0	1.8	19	14	20
31	.30	-----	1.0	1.4	-----	.60	-----	0	-----	54	7.0	-----
TOTAL	48.10	8.20	58.20	50.30	145.30	152.70	29.50	1.80	282.80	325.70	1,321.3	131.30
MEAN	1.55	.27	1.88	1.62	5.19	4.93	.98	.058	9.43	10.5	42.6	4.38
MAX	4.8	.40	12	4.6	23	18	9.5	.50	78	54	162	20
MIN	.30	.20	.10	.50	.90	.60	0	0	0	.40	2.5	.50
CFSM	.11	.03	.20	.17	.55	.52	.10	.006	.99	1.11	4.49	.46
IN.	.11	.03	.23	.20	.57	.60	.12	.007	1.11	1.28	5.17	.51
AC-FT	.95	.16	115	100	288	303	.59	.36	56.1	646	2,620	260
CAL YR 1964	TOTAL 4,343.50	MEAN 11.9	MAX 418	MIN 0	CFSM 1.25	IN 17.00	AC-FT 8,620					
WAT YR 1965	TOTAL 2,555.20	MEAN 7.00	MAX 162	MIN 0	CFSM .74	IN 10.00	AC-FT 5,070					

## 2-3020 Crystal Springs near Zephyrhills, Fla

Location --Lat 28°10'30", long 82°11'20" in SE $\frac{1}{4}$  sec 34, T 26 S, R 21 E, at left bank of Hillsborough River, half a mile downstream from Crystal Springs,  $1\frac{1}{2}$  miles west of village of Crystal Springs, and 4 miles south of Zephyrhills, Pasco County

Records available --October 1934 to September 1965 (discharge measurements only) Miscellaneous discharge measurements for some periods prior to October 1934

Gage (corrected) --Since May 24, 1938, staff gage read only when discharge measurements are made Datum of gage is at mean sea level, datum of 1929 (Corps of Engineers bench mark), prior to May 15, 1964, at datum 34 67 ft higher Nov 16, 1935, to Nov 10, 1937, staff gage in springs pool at different datum July 19 to Sept 11, 1941, auxiliary reference point, and since Sept 12, 1941, auxiliary staff gage on Hillsborough River 0.2 mile upstream from Crystal Springs Nov 14, 1945, to Jan 19, 1953, additional auxiliary staff gages at upstream and downstream side of dam at springs outlet at datum 48 97 ft above mean sea level, datum of 1929

Extremes --1934-65 Maximum discharge measured, 147 cfs July 19, 1941, minimum measured, 20.3 cfs July 1, 1946

1938-65 Maximum gage height, unknown, minimum observed, 48.58 ft May 19, 1965  
1945-53 Maximum gage height at auxiliary gage upstream from dam at springs outlet, unknown, minimum observed, 2.07 ft Jan 28, 1947, maximum downstream from dam, unknown, minimum observed, 1.09 ft Nov 19, 1948

Remarks --Discharge measurements of Hillsborough River made both below and above Crystal Springs, measurements not made during periods of high river stages The discharge of springs is the difference between that of the river at each of two points Since 1945, flow regulated occasionally at springs outlet for recreational purposes

Revisions (water years) --WSP 1052 1935, 1937-42, 1944-45

Discharge measurements, in cubic feet per second, water years 1961-65

Discharge measurements, in cubic feet per second, water years 1960-65				
Date		Hillsborough River		Difference or spring flow
		Below springs	Above springs	
Water year 1960-61				
Oct 24, 1960		208	133	75 0
Dec 19		103	21 1	81 9
Feb 13, 1961		111	36 4	74 6
Apr 10		77 1	10 2	66 9
June 5		65 5	4 48	61 0
July 31		64 7	6 94	57 8
Sept 25		67 8	12 2	55 6
Water year 1961-62				
Nov 20, 1961		57 1	7 56	49 5
Jan 15, 1962		62 1	9 73	52 4
Mar 12		52 8	3 27	49 5
May 7		55 0	2 07	52 9
May 22		53 0	10 6	42 4
May 25		52 6	1 49	51 1
Aug 1		116	49 2	66 8
Water year 1962-63				
Oct 2, 1962		152	90 5	61 5
Nov 1		85 5	19 2	66 3
Dec 20		71 3	12 8	58 5
Feb 11, 1963		73 0	16 1	56 9
Apr 10		70 4	10 7	59 7
June 4		74 0	15 4	58 6
July 16		87 4	27 5	59 9
Aug 28		99 5	27 4	72 1
Water year 1963-64				
Oct 8, 1963		82 0	23 4	58 6
Nov 29		80 4	22 8	57 6
Jan 7, 1964		87 1	37 0	50 1
Mar 4		123	51 2	71 8
Apr 29		77 8	15 8	62 0
June 11		65 4	8 58	56 8
Aug 5		153	119	34 0
Water year 1964-65				
Oct 14, 1964		95 0	32 1	62 9
Dec 1		64 7	12 0	52 7
Jan 13 1965		71 3	16 4	54 9
Mar 3		93 6	40 8	52 8
Apr 14		60 0	9 82	50 2
May 19		53 6	8 03	45 6
19		59 0	8 03	51 0
27		60 2	7 70	52 5
July 14		109	55 2	53 8

2-3025 Blackwater Creek near Knights, Fla

Location --Lat 28°08'25", long 82°09'00" in sec 18, T 27 S, R 22 E, on downstream side of center pier of bridge on State Highway 39, 2.0 miles downstream from Itchepackesassa Creek and 4.4 miles northwest of Knights, Hillsborough County

Drainage area --110 sq mi, approximately

Records available --January 1951 to September 1965

Gage --Digital water-stage recorder Datum of gage is 70.56 ft above mean sea level, datum of 1929 Prior to Apr 15, 1965, graphic water-stage recorder at same site and datum

Average discharge --14 years, 106 cfs (76,740 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (1,000 cfs), water years 1961-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 9, 1960	2400	a 610	5.64	June 28, 1963	0600	* 1,110	7.05	Sept 11, 1964	0500	* 1,410	7.53
June 23, 1962	0130	* 1,330	7.41	Jan 13, 1964	0030	1,390	7.50	Aug 1, 1965	0030	1,500	7.33
Sept 21, 1962	0700	1,200	7.20	July 27, 1964	0230	1,040	6.93	Aug 5, 1965	1045	1,180	6.79
								Aug 8, 1965	0930	* 1,990	7.97

a Maximum peak discharge, maximum discharge during year, 750 cfs Oct 1, 1960 (gage height, 6.23 ft, stage falling)

Annual minimum discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 21-23, 1961	a 2.4	b 0.25	1964	June 23, 24, 1964	a 4.5	e 0.93
1962	Oct 23, 1961	a 2.6	c 36	1965	May 26, 27, 28, 1965	70	f 50
1963	Apr 30, 1963	a 9.3	d 63				

a Minimum daily

b Occurred May 21, 1961 (affected by pumpage)

c Affected by pumpage

d Occurred Oct 30, 1962

e Occurred Nov 1, 2, 1963

f Occurred May 28, 1965 (affected by pumpage)

1951-65 Maximum discharge, 5,400 cfs Mar 18, 1960 (gage height, 9.70 ft), minimum, 0.70 cfs May 23, 1952, May 26, 27, 28, 1965, minimum gage height, 0.23 ft May 18, 1960 (affected by pumpage)

Remarks --Records fair except those below 10 cfs, which are poor Several diversions above station For irrigation Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	66	104	15	28	32	20	23	4.6	8.5	19	13	157
2	402	73	18	26	37	26	26	3.1	7.4	17	70	117
3	355	75	27	58	28	20	3.1	6.7	13	77	85	
4	257	61	16	25	24	16	3.4	6.3	11	54	68	
5	199	52	15	25	47	22	16	3.3	7.2	9.1	42	63
6	167	47	16	30	45	19	15	4.9	6.1	7.3	32	70
7	377	16	30	164	18	16	7.1	5.6	2.6	26	61	
8	602	39	17	45	216	20	15	10.1	5.2	4.5	20	46
9	597	37	19	49	127	19	15	7.2	6.7	7.2	18	40
10	536	34	16	48	96	18	14	3.4	7.6	9.6	19	53
11	474	28	15	41	79	16	13	14	7.4	11	18	56
12	323	18	15	103	69	12	14	14	7.4	100	18	47
13	250	33	24	96	39	14	17	14	6.9	119	17	38
14	200	28	23	73	58	37	19	13	7.8	80	20	46
15	167	20	20	60	52	30	18	9.3	9.1	68	26	49
16	216	28	32	56	48	26	15	7.8	9.4	45	280	43
17	202	30	34	53	48	21	26	9.8	12	28	396	38
18	135	30	30	51	45	40	22	7.8	11	20	372	34
19	109	26	26	49	42	51	16	2.6	8.0	22	312	32
20	93	24	28	44	47	43	11	2.5	6.7	67	223	29
21	82	22	37	37	40	45	6.9	2.4	6.9	104	141	24
22	73	27	42	35	36	39	5.6	2.4	6.9	76	96	21
23	68	20	40	38	38	33	5.1	2.4	6.1	49	216	18
24	59	20	34	38	37	28	5.6	2.9	7.6	35	305	16
25	53	20	30	37	36	23	4.3	6.1	6.5	26	282	14
26	49	22	26	35	33	20	6.0	11	15	20	181	12
27	45	20	26	32	30	16	11	12	17	22	155	12
28	42	19	28	34	29	15	9.8	11	24	16	169	11
29	42	20	28	30	-----	15	6.8	11	22	14	276	11
30	39	20	30	30	-----	16	3.6	10	20	13	246	10
31	47	-----	30	32	-----	15	-----	9.1	-----	11	197	-----
TOTAL	7,022	1,094	774	1,335	1,704	777	413.7	226.2	285.0	1,046.3	4,317	1,321
MEAN	227	36.5	25.0	43.1	60.9	25.1	13.8	7.30	9.50	33.8	139	44.0
MAX	666	104	42	103	216	51	26	14	24	119	396	157
MIN	39	19	15	25	29	12	3.6	2.4	5.2	2.6	13	10
CFSM	2.06	33	23	39	55	23	13	07	09	31	1.27	4.40
IN-	2.37	37	26	45	58	26	14	08	10	35	1.46	4.45
AC-FT	13,930	2,170	1,540	2,650	3,380	1,540	821	449	565	2,080	8,560	2,620

CAL YR 1960 TOTAL 88,180.5 MEAN 241 MAX 5,080 MIN 5.4 CFSM 2-19 IN 29.81 AC-FT 174,900  
WAT YR 1961 TOTAL 20,115.2 MEAN 55.7 MAX 666 MIN 2.4 CFSM .51 IN 6.87 AC-FT 40,290



## 2-3025 Blackwater Creek near Knights, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10	3 8	7.1	27	19	16	23	9.5	12	42	36	531
2	4.5	6.9	8.5	34	16	17	24	2.3	25	30	35	443
3	8.0	6.7	7	28	14	18	21	8.5	30	22	38	304
4	5	5.8	6.0	24	18	17	19	4.5	38	20	36	262
5	8 1	5.0	5.4	25	14	17	19	14	44	19	30	200
6	7 6	6.3	6.3	25	14	16	18	16	38	14	24	165
7	7 8	6.3	6.3	30	17	16	22	9 8	31	10	22	195
8	7.3	6.3	7 0	32	14	10	26	8.1	26	11	43	184
9	7.3	6.3	7.6	30	16	14	28	8.7	28	10	39	153
10	7.1	6 0	13	26	30	14	27	8 1	32	22	49	132
11	5.1	5 5	11	27	27	14	25	9 3	41	64	49	189
12	8.3	5 6	8.8	30	20	7.3	23	8.1	89	64	43	228
13	8 3	5 6	16	30	18	4.4	24	7.1	147	71	35	184
14	4.5	5.4	19	24	20	9.3	21	6.7	179	44	27	140
15	11	5 0	17	27	17	14	19	6.7	201	32	27	130
16	12	5 4	16	26	17	28	18	7 6	106	28	34	96
17	10	5.4	16	28	21	30	17	6 2	142	34	54	100
18	9 0	5.2	9.8	25	21	18	16	5.8	105	32	66	140
19	8.1	5 4	45	26	18	28	15	5.2	61	36	56	257
20	7.6	5 8	71	25	16	21	13	4.9	56	64	50	587
21	7 1	5 6	44	24	19	17	12	5 1	394	139	53	1,100
22	7.3	5.6	33	23	18	16	12	10	478	107	82	791
23	7 0	5.0	28	26	19	21	11	32	930	58	85	573
24	4.5	7 3	20	25	18	26	10	17	486	38	323	372
25	3 3	9 3	14	23	18	34	8.1	6.7	269	30	546	248
26	3 6	11	11	24	19	38	6 3	5.4	170	28	264	168
27	0 0	9 0	11	24	15	32	8.3	5 1	112	21	191	128
28	3 9	7.6	19	22	16	29	9.8	5 4	81	20	173	100
29	2.6	6.9	18	17	-----	27	9.5	6.7	61	19	125	87
30	6.9	6.5	20	7.8	-----	26	9.5	7.3	48	16	117	71
31	4 9	-----	20	22	-----	24	-----	12	-----	20	196	-----
TOTAL	231.0	190.4	542.8	797	514	619.0	514.5	281.8	4,460	1,260	2,961	8,273
MEAN	7.47	6.35	17.5	25.7	18.4	20.6	17.7	9.09	149	40.6	95.5	276
MAX	12	11	71	34	30	36	28	32	930	166	546	1,100
MIN	2 6	3.8	5.4	17	14	4 4	6.3	4.9	12	10	22	71
CFSM	.07	.00	.16	.23	.17	.19	.16	.08	1.35	.47	.87	2.51
IN-	.03	.06	.18	.27	.17	.22	.17	.10	1.51	.43	1.00	2.80
AC-FT	459	378	1,080	1,580	1,020	1,270	1,020	559	8,850	2,500	5,870	16,410

CAL YR 1961 TOTAL 12,390.0 MEAN 33.9 MAX 396 MIN 2.4 CFSM .31 IN 4.19 AC-FT 74,580  
 WAT YR 1962 TOTAL 20,605.1 MEAN 36.6 MAX 1,100 MIN 2.6 CFSM .51 IN 6.99 AC-FT 60,990

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	61	15	13	22	27	204	18	15	24	338	170	99
2	55	14	13	21	26	219	18	23	21	236	147	281
3	48	14	12	21	24	368	20	17	18	150	225	125
4	53	16	11	21	32	302	19	16	16	109	195	80
5	51	16	12	20	36	184	19	16	16	163	164	59
6	43	16	13	21	34	124	20	12	52	117	87	53
7	30	15	13	22	34	96	22	9.8	50	94	55	22
8	16	14	12	22	29	14	19	37	61	44	43	34
9	31	10	14	24	30	93	19	12	29	50	36	34
10	34	31	12	23	30	392	22	12	23	71	43	28
11	30	20	11	22	27	275	22	11	19	118	68	25
12	27	24	12	23	224	167	21	14	16	94	55	22
13	25	24	12	20	310	115	20	15	15	78	51	20
14	22	26	14	19	170	90	20	18	18	80	50	19
15	20	24	14	24	98	72	20	16	21	81	53	20
16	18	21	16	25	75	61	15	14	16	59	59	19
17	18	19	18	22	79	52	16	14	13	229	48	17
18	17	17	20	28	65	44	16	11	11	155	63	18
19	17	16	21	27	71	38	16	12	10	91	134	28
20	16	14	21	24	104	36	17	11	10	64	111	32
21	14	16	21	25	78	34	17	12	9.5	51	334	60
22	16	16	22	30	61	30	12	16	9.8	148	788	57
23	18	15	22	28	51	23	11	21	9.8	335	408	95
24	19	14	22	31	43	24	15	21	40	420	310	92
25	19	14	22	30	44	19	16	20	173	382	237	86
26	18	13	21	30	200	20	16	44	378	229	163	82
27	16	12	22	30	507	26	15	70	356	134	123	74
28	14	12	22	28	364	27	14	69	945	94	92	66
29	12	13	22	24	-----	24	10	38	672	70	73	59
30	12	12	23	28	-----	22	9.3	32	520	63	56	55
31	14	-----	23	28	-----	21	-----	27	-----	176	45	-----
TOTAL	625	531	526	762	2,878	3,286	514.3	690.8	3,568.1	4,526	4,485	1,799
MEAN	20.0	17.7	17.0	24.6	103	106	17.1	21.0	119	146	145	60.0
MAX	61	31	23	31	507	392	22	70	945	420	788	281
MIN	12	11	19	26	19	9.3	9.8	9.5	50	30	36	17
CFSM	.24	.16	.15	.22	.93	.96	.16	.19	1.08	1.43	1.32	.55
IN-	.28	.18	.18	.26	.97	1.11	.17	.22	1.21	1.53	1.52	.61
AC-FT	1,640	1,050	1,040	1,510	5,710	6,520	1,020	1,290	7,080	8,980	8,900	3,570

CAL YR 1962 TOTAL 21,582.3 MEAN 59.1 MAX 1,100 MIN 4.4 CFSM .54 IN 7.30 AC-FT 42,810  
 WAT YR 1963 TOTAL 24,351.2 MEAN 66.7 MAX 945 MIN 9.3 CFSM .61 IN 8.23 AC-FT 48,300

## 2-3025 Blackwater Creek near Knights, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	47	11	32	43	76	72	202	68	9.0	109	149	65
2	40	12	28	38	69	65	146	195	8.3	79	111	92
3	36	13	28	37	63	65	112	191	11	110	101	118
4	32	17	28	38	204	62	96	123	12	63	75	421
5	2d	11	28	33	476	59	74	92	16	42	56	230
6	25	13	30	30	635	63	63	65	28	34	118	156
7	22	18	27	54	513	59	56	56	28	29	215	108
8	19	16	25	102	528	54	47	48	20	61	212	81
9	17	15	22	83	466	52	40	40	16	41	274	66
10	16	336	22	71	311	50	36	33	28	30	185	481
11	15	408	25	66	225	48	37	30	24	25	139	1,250
12	14	312	25	845	171	47	32	77	18	27	146	706
13	15	197	25	1,270	139	44	30	25	14	26	364	669
14	15	134	26	955	119	43	34	24	11	23	371	546
15	14	107	25	739	106	42	32	27	8.1	21	386	442
16	16	80	22	420	100	35	34	28	6.7	20	274	353
17	16	42	27	344	94	74	32	26	6.0	24	188	246
18	16	55	42	422	165	90	32	20	6.3	36	158	177
19	16	51	24	239	415	76	24	20	6.3	38	143	131
20	16	48	29	191	280	71	22	22	6.0	32	223	102
21	15	45	28	168	182	77	24	20	5.6	78	318	80
22	14	42	27	139	157	65	22	20	4.9	30	266	87
23	13	39	28	122	156	55	28	23	4.5	42	164	54
24	12	36	91	108	122	55	25	20	4.5	96	133	46
25	12	35	88	102	110	49	35	17	4.8	110	278	39
26	12	39	68	98	97	43	27	18	5.4	474	188	34
27	12	36	63	86	86	58	32	18	12	831	130	30
28	12	33	50	103	87	386	49	13	17	334	107	28
29	11	34	50	99	86	759	50	14	19	272	86	25
30	11	34	46	86	-----	423	46	13	108	202	69	22
31	11	-----	47	81	-----	286	-----	11	-----	201	73	-----
TOTAL	570	2,348	1,124	7,112	6,237	3,427	1,529	1,347	468.4	3,490	5,695	6,861
MEAN	18.4	75.3	36.3	229	215	111	51.0	43.5	15.6	113	184	229
MAX	47	463	91	1,270	635	759	202	195	108	831	386	1,250
MIN	11	11	22	30	63	35	22	11	4.5	20	56	22
CFSM	17	71	33	2,09	1.96	1.00	.46	.40	.14	1.02	1.67	2.08
IN	.19	.79	.48	2.40	2.11	1.16	.52	.46	.16	1.18	1.93	2.32
AC-FT	1,130	4,060	2,230	14,110	12,370	6,800	3,030	2,670	929	6,920	11,300	13,610
CAL YR 1963	TOTAL 26,511.2			MEAN 72.6	MAX 945	MIN 9.3	CFSM .66	IN 8.96	AC-FT 52,580			
WAT YR 1964	TOTAL 40,208.4			MEAN 110	MAX 1,270	MIN 4.5	CFSM 1.00	IN 13.59	AC-FT 79,750			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	10	11	17	13	28	16	12	5.6	9.3	1,300	99
2	21	10	11	13	22	28	15	13	3.3	7.3	1,340	83
3	20	11	10	12	16	37	14	8.5	2.5	6.7	880	64
4	21	11	14	12	22	58	12	6.7	3.2	14	578	51
5	20	12	20	11	19	51	8.3	9.3	5.4	54	1,050	49
6	19	11	38	13	14	43	5.0	4.1	6.2	61	658	37
7	19	11	32	13	11	35	4.5	8.1	4.4	38	1,070	33
8	18	11	23	14	25	29	5.0	1.6	5.1	32	1,850	35
9	18	10	19	16	15	30	6.7	4.1	16	68	1,450	78
10	18	11	17	13	14	28	5.6	1.9	14	66	1,680	73
11	17	10	16	12	13	22	11	1.2	22	42	1,550	52
12	15	9.8	13	13	15	23	8.3	1.3	50	49	1,540	41
13	14	10	13	12	22	28	6.9	6.7	67	92	1,200	37
14	15	9.8	12	12	20	36	12	19	43	121	760	37
15	16	9.3	14	20	19	29	8.1	21	34	82	425	61
16	18	9.0	14	27	8.2	27	9.8	20	30	49	302	54
17	15	9.0	14	22	13	29	12	8.1	22	47	242	56
18	13	9.0	15	18	9.6	25	12	1.7	72	61	232	66
19	12	9.3	14	19	8.9	25	6.2	4.4	173	61	223	59
20	19	9.0	14	18	16	26	5.0	4.8	90	74	204	47
21	15	8.8	12	18	15	22	11	9.0	37	129	210	38
22	13	9.5	13	17	12	16	11	17	20	146	202	34
23	13	9.8	14	18	14	17	9.5	17	21	76	156	31
24	13	9.5	15	14	41	19	9.5	8.5	34	42	114	45
25	12	11	15	16	47	20	11	.90	52	39	100	119
26	12	14	12	18	29	19	8.8	3.7	50	36	80	129
27	12	12	14	18	26	11	26	.90	26	81	196	365
28	11	11	16	18	33	20	15	80	20	55	265	438
29	11	11	15	16	-----	15	17	6.2	17	39	170	716
30	11	10	17	13	-----	12	16	8.5	12	167	205	518
31	10	-----	16	17	-----	16	-----	12	-----	780	117	-----
TOTAL	482	308.8	489	490	550.7	836	303.2	242.20	957.7	2,629.3	20,309	3,545
MEAN	15.5	10.3	15.8	15.8	19.7	27.0	10.1	7.81	31.9	84.8	655	118
MAX	21	14	38	27	47	58	17	21	173	780	1,850	716
MIN	10	8.8	10	11	8.2	12	4.5	.80	2.5	6.7	80	31
CFSM	.14	.09	.14	.14	.18	.25	.09	.07	.29	.77	5.96	1.07
IN	.16	.10	.17	.17	.19	.28	.10	.08	.32	.89	6.87	1.20
AC-FT	956	613	970	972	1,090	1,660	601	480	1,900	5,220	40,280	7,030
CAL YR 1964	TOTAL 37,446.2			MEAN 102	MAX 1,270	MIN 4.5	CFSM .93	IN 12.66	AC-FT 74,270			
WAT YR 1965	TOTAL 31,142.90			MEAN 85.3	MAX 1,850	MIN .80	CFSM .78	IN 10.53	AC-FT 61,770			

## HILLSBOROUGH RIVER BASIN

2-3030 Hillsborough River near Zephyrhills, Fla

Location (revised) --Lat 28°08'59", long 82°13'57" in W $\frac{1}{2}$  sec 8, T 27 S, R 21 E, Hillsborough County, on left bank 30 ft downstream from footbridge in Hillsborough River State Park, 1 2 miles downstream from Blackwater Creek, and 6 5 miles southwest of Zephyrhills, Pasco County

Drainage area -- 220 sq mi, approximately

Records available --October 1939 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 33 28 ft above mean sea level (Corps of Engineers bench mark) Prior to Mar 22, 1963, staff gage at same site and datum

Average discharge --26 years, 294 cfs (212,800 acre-ft per year)

Extremes --Maximum and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,500 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 11 1960	0603	a 1,210	6 30	Sept 21, 1962	1900	2 380	13 17	Mar 29 1964	1815	1,670	7 96
June 23, 1962	1900	2,220	9 77	Aug 22, 1963	1830	* 1,220	6 34	Sept 11, 1964	2100	* 3,500	11 90
Aug 25, 1962	1200	* 2,940	11 20					Aug 9, 1965	0530	* 3,460	11 85
Sept 12, 1962	0330	1,660	7 93	Jan 13, 1964	1800	2,020	9 15				

a Maximum peak discharge, maximum discharge during year, 1,870 cfs, Oct 1, 1960 (gage height, 8 63 ft, stage falling)

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	May 23-25, 1961	84	0 88	1964	June 23, 1964	76	0 94
1962	May 18,19, 1962	68	a 82	1965	May 28, 29, June 3, 1965	68	78
1963	June 19-22, 1963	91	b 1 09				

a Occurred Dec 4-6, 8, 1961

b Occurred Sept 17, 18, 1963

1939-65 Maximum discharge, 12,600 cfs Mar 18, 1960 (gage height, 15 33 ft), minimum discharge observed, 48 cfs June 11-17, 1945, minimum gage height observed, 0 78 ft June 3-6, 1944, June 11-17, 1945, May 28, 29, June 3, 1965

Remarks --Records good except those for periods of shifting control, which are fair Records include high-water diversions above station from the Withlacoochee River basin through Withlacoochee-Hillsborough overflow near Richland (station 2-3110 ) Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Cooperation --Prior to Mar 22, 1963, gage readings furnished by superintendent of Hillsborough River State Park

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,790	269	131	146	133	125	109	90	89	96	91	518
2	1,510	264	129	142	133	123	113	90	87	95	119	446
3	986	253	127	139	146	123	107	90	87	93	146	370
4	1,080	214	127	135	230	121	103	39	86	92	129	315
5	937	201	127	137	192	123	101	89	86	91	115	277
6	819	192	127	133	175	115	100	89	86	90	105	267
7	932	160	127	133	175	115	103	89	86	87	100	243
8	1,130	176	127	137	383	111	102	89	86	85	97	201
9	1,130	172	129	146	312	111	100	92	87	89	96	175
10	1,170	166	127	158	250	109	100	92	87	87	95	180
11	1,190	164	127	158	223	109	99	89	86	92	95	183
12	1,070	166	135	156	204	107	99	97	89	125	93	180
13	964	161	135	156	189	105	107	95	87	166	93	164
14	967	153	135	230	183	127	105	95	87	131	93	146
15	775	153	133	207	175	144	103	92	90	131	95	151
16	728	151	148	186	166	129	105	92	90	121	223	142
17	688	148	156	169	161	123	107	90	91	107	390	129
18	568	151	148	161	158	113	107	91	91	99	383	123
19	492	148	142	158	151	146	103	87	89	101	341	117
20	442	144	145	158	153	137	99	85	88	129	301	113
21	394	142	151	158	148	135	95	85	89	169	233	105
22	352	137	156	148	142	131	92	85	89	146	189	102
23	315	137	157	144	142	123	92	84	89	123	250	99
24	284	137	154	142	139	117	91	84	87	111	326	96
25	264	135	148	142	139	111	90	84	87	103	319	95
26	243	135	144	144	133	107	90	90	86	99	305	93
27	227	137	139	139	131	105	93	93	90	100	312	92
28	214	135	139	137	127	103	95	91	100	97	418	91
29	204	135	142	137	-----	102	92	91	100	95	643	91
30	192	135	139	135	-----	102	90	90	100	92	693	90
31	203	-----	144	133	-----	102	-----	89	-----	90	588	-----
TOTAL	22,160	4,991	4,297	4,704	4,993	3,654	2,992	2,778	2,672	3,332	7,476	5,394
MEAN	715	166	139	152	178	118	99.7	89.6	89.1	107	241	180
MAX	1,790	269	158	230	383	146	113	97	100	169	693	518
MIN	192	135	127	133	127	102	90	84	86	85	91	90
AC-FT	43,990	9,900	8,520	9,330	9,900	7,250	5,930	5,510	5,300	6,610	14,830	10,700
CAL YR 1960	TOTAL 260,982			MEAN 713		MAX 12,300	MIN 102	AC-FT 517,600				
WAT YR 1961	TOTAL 69,443			MEAN 190		MAX 1,790	MIN 84	AC-FT 137,700				

## 2-3030 Hillsborough River near Zephyrhills, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	90	82	73	90	79	74	91	74	70	426	151	1,140
2	69	91	73	95	74	74	91	74	109	341	149	1,000
3	67	81	71	91	72	74	81	74	86	267	243	746
4	87	81	70	85	77	77	91	77	81	217	430	790
5	86	80	70	86	81	79	84	70	91	189	341	523
6	86	81	70	88	79	79	84	71	86	156	293	496
7	86	80	72	91	79	81	86	74	91	135	247	1,120
8	89	79	76	91	79	81	96	77	79	125	240	1,120
9	86	78	72	90	79	77	93	74	84	123	230	864
10	86	76	74	90	71	77	93	77	93	113	230	683
11	86	79	74	87	76	79	91	70	109	175	348	740
12	86	77	72	90	80	84	89	72	200	375	305	1,460
13	87	76	74	91	81	72	89	76	253	243	247	775
14	87	76	76	87	71	72	84	70	233	201	195	740
15	87	77	76	91	80	71	84	70	292	178	305	808
16	89	76	76	86	84	125	81	70	144	156	240	618
17	89	76	86	86	84	70	84	70	298	144	247	460
18	86	75	76	94	74	112	81	68	430	142	348	444
19	86	74	83	84	81	103	79	63	250	137	281	428
20	86	72	103	84	77	93	74	70	223	151	294	956
21	83	72	104	81	77	86	77	70	460	201	252	2,180
22	83	72	93	81	74	86	77	70	792	230	402	2,110
23	86	72	89	86	77	93	77	81	1,890	190	440	1,550
24	86	71	84	89	77	101	77	81	2,060	148	538	1,090
25	84	72	84	89	77	103	77	83	1,680	133	2,450	846
26	84	75	80	81	79	122	74	74	1,100	137	1,380	688
27	83	75	80	81	77	114	74	70	813	127	951	526
28	84	74	82	84	74	103	74	70	596	158	824	430
29	84	74	82	77	-----	96	74	81	462	253	765	350
30	82	74	83	74	-----	93	74	77	418	178	603	299
31	84	-----	84	79	-----	93	-----	79	-----	158	530	-----
TOTAL	2,670	2,291	2,440	2,669	2,243	2,514	2,481	2,275	13,763	5,897	14,448	25,960
MEAN	86.1	76.4	78.7	86.1	74.3	80.4	82.7	73.4	459	190	466	865
MAX	90	81	104	95	96	130	96	89	2,060	426	2,450	2,180
MIN	67	71	70	74	72	74	76	68	113	131	151	299
AC-FT	5,300	4,546	4,840	5,290	4,450	5,580	4,920	4,510	27,300	11,700	28,600	51,450
CAL YR 1961	TOTAL 45,396			MEAN 124			MAX 673	MIN 70			AC-FT 90,040	
WAT YR 1962	TOTAL 79,951			MEAN 219			MAX 2,450	MIN 68			AC-FT 158,600	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	264	105	100	100	115	543	105	104	122	563	305	167
2	223	102	100	100	111	543	102	110	115	422	279	750
3	211	102	100	100	111	540	104	110	107	329	306	496
4	192	103	97	100	146	983	104	103	102	257	335	336
5	189	102	97	100	156	720	103	103	110	269	305	254
6	177	100	100	100	142	618	103	101	153	236	220	230
7	150	100	99	103	142	553	101	96	142	176	173	222
8	142	100	97	103	135	493	104	98	125	144	157	190
9	148	111	99	103	125	808	103	99	113	125	153	144
10	164	123	99	103	125	881	104	99	103	164	135	147
11	171	117	99	102	123	728	103	77	99	310	152	136
12	146	111	97	102	319	568	105	98	96	243	144	128
13	137	115	97	100	470	454	104	102	94	206	133	121
14	129	115	97	100	333	393	104	102	93	195	132	118
15	121	109	99	100	248	348	103	99	97	192	140	115
16	115	107	99	100	220	305	102	98	96	157	157	115
17	115	106	102	100	233	260	101	97	93	247	144	111
18	113	105	102	103	220	233	103	96	92	281	158	111
19	111	102	103	105	230	201	103	95	92	189	337	127
20	105	102	103	103	263	179	105	95	91	147	253	136
21	103	100	103	116	240	164	106	98	91	129	432	171
22	105	107	102	119	204	150	104	106	92	171	1,130	183
23	107	105	103	111	186	138	103	103	93	466	781	233
24	105	103	103	120	169	130	103	103	100	548	520	267
25	103	102	105	123	175	121	105	103	238	509	434	294
26	103	100	103	123	284	115	105	166	442	390	343	314
27	103	103	103	127	368	117	104	166	298	287	216	416
28	100	100	103	121	784	170	103	207	813	258	243	298
29	99	102	100	115	-----	115	102	150	927	235	214	280
30	97	102	102	113	-----	112	101	124	786	228	187	264
31	102	-----	100	115	-----	110	-----	119	-----	291	167	-----
TOTAL	4,261	3,154	3,113	3,330	6,964	12,011	3,111	4,672	6,065	8,395	8,856	6,787
MEAN	137	105	100	107	269	387	104	112	202	271	286	226
MAX	264	123	105	127	951	900	108	207	927	563	1,130	750
MIN	97	100	97	100	111	110	101	95	91	125	132	111
AC-FT	8,450	6,260	6,170	6,600	13,810	23,820	6,170	6,890	12,030	16,650	17,570	13,450
CAL YR 1962	TOTAL 83,078			MEAN 228			MAX 2,450	MIN 68			AC-FT 164,800	
WAT YR 1963	TOTAL 69,514			MEAN 190			MAX 1,130	MIN 91			AC-FT 137,900	

## 2 3030 Hillsborough River near Zephyrhills, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	248	97	128	159	281	262	853	147	86	314	673	274
2	233	100	121	147	260	241	751	347	86	167	540	278
3	218	99	118	138	242	229	622	377	86	211	448	278
4	198	99	115	140	376	218	502	278	86	167	375	709
5	179	99	115	133	784	208	412	241	89	137	310	811
6	160	105	116	128	1,110	203	343	217	92	129	291	874
7	147	106	114	147	1,100	196	291	205	97	114	377	565
8	137	106	112	221	1,070	183	248	196	92	134	367	457
9	129	104	108	208	1,110	173	218	177	92	120	453	410
10	121	460	104	191	929	166	193	162	92	103	464	1,180
11	115	722	106	179	808	160	175	147	98	97	447	3,080
12	111	520	108	971	704	159	159	134	92	96	454	3,050
13	109	498	108	1,910	614	147	146	124	87	93	557	3,030
14	108	332	109	1,780	546	144	138	118	86	89	610	2,940
15	107	298	111	1,460	491	140	134	111	84	86	602	2,400
16	111	264	107	1,130	450	133	127	109	82	86	547	2,060
17	108	233	108	976	410	176	123	107	81	88	477	1,720
18	106	205	119	975	473	221	118	100	80	97	438	1,490
19	106	184	116	874	948	200	114	96	80	98	450	1,320
20	106	170	112	787	800	191	109	97	79	95	523	1,160
21	104	159	112	732	611	205	107	95	80	94	583	1,030
22	103	150	111	654	510	191	109	95	79	95	546	920
23	101	142	118	583	492	172	109	95	79	95	443	810
24	101	137	196	524	434	164	106	96	80	133	374	708
25	100	140	229	477	348	158	108	92	78	191	508	618
26	100	140	197	436	350	150	110	92	77	510	513	548
27	99	137	182	389	314	172	114	93	79	1,330	467	491
28	99	129	175	381	402	578	120	91	85	960	416	444
29	98	132	168	365	289	1,570	131	89	88	709	376	397
30	97	133	163	327	-----	1,740	125	88	161	642	352	355
31	97	-----	162	302	-----	972	-----	87	-----	740	318	-----
TOTAL	3,956	6,100	4,072	17,824	17,196	9,417	6,915	4,503	2,613	8,020	14,274	34,408
MEAN	128	203	131	575	593	304	231	145	87.1	259	460	1,147
MAX	246	722	229	1,910	1,110	1,570	853	377	161	1,330	673	3,080
MIN	97	97	104	128	242	133	106	87	77	86	291	274
AC-FT	7,850	12,100	8,080	35,350	34,110	18,680	13,720	8,930	5,180	15,910	28,310	68,250

CAL YR 1963 TOTAL 73,114 MEAN 200 MAX 1,130 MIN 91 AC-FT 145,000  
 WAT YR 1964 TOTAL 129,298 MEAN 353 MAX 3,080 MIN 77 AC-FT 256,500

Note --Shifting-control method used Nov 12 to Jan 11, Feb 22 to Mar 28, Apr 4 to July 26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	315	108	104	131	121	136	102	85	72	104	1,500	380
2	297	108	104	129	119	140	99	84	70	101	1,520	384
3	288	108	104	125	128	166	96	83	69	98	1,540	324
4	294	108	108	125	120	184	96	80	70	96	1,440	269
5	245	108	179	123	123	180	93	81	70	125	1,940	735
6	227	108	226	123	118	167	90	78	70	158	2,010	211
7	202	108	173	123	118	151	89	77	70	141	1,910	192
8	186	108	149	123	134	138	86	75	74	131	2,840	184
9	177	108	138	124	131	133	86	73	75	151	3,230	266
10	165	106	132	124	120	134	86	74	78	165	2,600	259
11	155	107	128	120	116	129	87	72	90	146	2,650	219
12	147	106	127	120	115	121	89	72	97	158	2,870	190
13	141	106	125	119	119	142	87	72	108	231	2,740	170
14	141	105	123	118	121	214	86	75	103	312	2,030	157
15	140	104	123	141	118	183	88	77	97	284	1,430	166
16	136	10	124	167	111	157	87	78	90	238	1,110	172
17	132	103	124	151	108	151	87	75	87	221	955	163
18	129	104	127	138	108	140	87	72	171	267	827	176
19	121	104	148	134	103	132	86	72	330	242	763	174
20	123	104	127	132	102	129	83	75	226	224	672	160
21	123	103	124	129	109	124	86	73	154	287	625	147
22	118	104	123	128	102	116	73	122	334	587	587	139
23	115	104	124	125	112	110	87	75	115	269	526	137
24	114	104	124	128	164	111	86	76	170	221	455	150
25	112	106	123	133	186	111	87	77	189	221	406	208
26	111	108	120	132	155	108	88	79	181	207	371	268
27	109	110	140	131	151	110	86	75	144	233	371	567
28	109	108	150	125	145	110	86	72	126	233	592	666
29	110	107	140	123	-----	106	87	70	117	203	653	829
30	109	107	134	119	-----	102	87	73	110	273	666	758
31	108	-----	133	118	-----	102	-----	73	-----	687	472	-----
TOTAL	4,955	5,186	4,108	3,981	3,477	4,233	2,662	2,346	3,545	6,761	42,301	8,320
MEAN	160	166	133	128	124	137	88.7	75.7	118	218	1,365	277
MAX	315	110	226	167	186	214	102	85	330	687	3,230	829
MIN	108	103	104	118	102	102	83	70	69	96	371	137
AC-FT	9,830	6,520	8,150	7,900	6,900	8,400	5,280	4,650	7,030	13,410	83,900	16,500

CAL YR 1964 TOTAL 127,419 MEAN 348 MAX 3,080 MIN 77 AC-FT 252,700  
 WAT YR 1965 TOTAL 89,875 MEAN 246 MAX 3,230 MIN 69 AC-FT 178,300

2-3031 New River near Zephyrhills, Fla

Location --Lat 28°09'55", long 82°15'55", in NW¼ sec 1, T 27 S, R 20 E, Hillsborough County, near left bank 30 ft upstream from bridge on State Highway 579, 1½ miles upstream from small tributary, 1¼ miles upstream from mouth, and 7 miles southwest of Zephyrhills, Pasco County

Drainage area --15 sq mi, approximately

Records available --February 1964 to September 1965

Gage --Water-stage recorder Datum of gage is 50 00 ft above mean sea level, datum of 1929 (Corps of Engineers bench mark), staff gage at mean sea level datum

Extremes --1964 Maximum discharge during period February to September, 269 cfs Sept 12 (gage height, 8 52 ft), no flow June 12-19, minimum gage height, 3 12 ft June 20  
1964-65 Maximum discharge during water year, 220 cfs Aug 13 (gage height, 8 23 ft), no flow for many days, minimum gage height, 1 90 ft June 9, 10

Remarks --Records good except those for period of shifting control, which are fair Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1964

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					-	7.8	105	3 2	1.2	1.3	80	17
2					-	7 0	64	8 6	1.1	.70	60	16
3					-	6.6	36	12	1.0	.80	45	34
4					-	6.0	25	11	1.4	.60	35	78
5					-	5 6	20	8.6	1 1	3.0	25	46
6					-	5.2	18	8.4	.30	3.5	22	37
7	* 4 0				-	5 0	16	8 8	.20	3.5	20	22
8					-	4.7	14	8.8	.20	5.0	31	15
9				* 5 2	-	4 5	13	6.0	.10	5.0	54	12
10					-	4.5	12	6.7	.10	4.5	60	112
11					-	4.2	10	5.5	.10	4.5	56	183
12					-	4.0	9.2	4 7	0	4.0	51	216
13					-	3.8	8.2	3.9	0	4.0	66	218
14					-	3 6	7 2	3 4	0	3.5	98	173
15					-	3.5	6.4	2.9	0	3.5	111	149
16					-	3 3	5.5	2 4	0	5.0	105	118
17					-	3.2	4.8	2 0	0	10	87	84
18					-	3.2	4.3	1.6	0	30	92	54
19		* 15			-	3.0	3 9	1 3	0	25	98	35
20					-	3.5	3.5	1.0	.10	15	89	25
21					24 -	5.2	3 2	.70	.60	10	80	20
22					22 -	6.1	3.0	40	.10	9.0	68	15
23					20 -	6 6	2.6	60	.60	8.0	52	13
24					16 -	6 7	2.2	30	1.9	10	44	11
25					13 -	6 7	1.8	10	.20	15	45	8.8
26					11 -	6 7	1.8	.10	.10	50	45	7.4
27					10 -	7.4	3.5	.10	.10	120	34	6.2
28					9 6	70	2.8	1 2	.10	152	26	5.2
29					8 6	153	3 0	1.3	.10	151	23	4.7
30					-----	172	2.6	1.3	.90	125	20	3.6
31					-----	146	-----	1.3	-----	105	18	-----
TOTAL					-	678.9	412.5	120 20	11.60	887.40	1,740	1,738.4
MEAN					-	21.9	13.8	3.88	.39	28.6	56.1	57.9
MAX					-	172	105	12	1.9	152	111	218
MIN					-	3 0	1.8	.10	0	.60	18	3.6
CFSM					-	1 46	.92	.26	.03	1.91	3.74	3.86
IN.					-	1 68	1.02	.30	.03	2.20	4.31	4.31
AG-FT					-	1,350	818	238	23	1,760	3,450	3,450

\* Result of discharge measurement

## HILLSBOROUGH RIVER BASIN

2-3031 New River near Zephyrhills, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3 0	10	0	30	30	30	1.6	0	0	1.9	42	15
2	3.8	10	0	30	30	30	1.6	0	0	2.4	106	18
3	4.5	10	0	30	30	30	1.5	0	0	2.5	140	16
4	4.2	10	20	20	20	1.7	1.3	0	0	2.2	130	13
5	3.1	10	1.4	20	20	1.8	1.0	0	0	1.5	125	10
6	3.4	10	70	20	20	1.6	60	0	0	1.4	118	8.4
7	3 0	10	70	10	60	1.5	30	0	0	1.5	138	7.0
8	2.7	10	80	10	60	2 0	30	0	0	2.3	158	7.4
9	2 6	10	80	10	60	1.4	20	0	0	1.9	174	12
10	2.3	10	60	10	50	1.7	10	0	0	2.0	153	10
11	2.1	10	60	10	30	1.5	10	0	0	2.2	133	7.8
12	1.8	10	50	10	30	1.3	10	0	0	3.3	165	5.8
13	1.5	0	30	10	30	2 0	10	0	0	12	212	4.5
14	1.5	0	30	10	20	3.3	10	0	0	19	188	3.7
15	1.4	0	30	50	20	2.8	0	0	0	16	151	3.1
16	1.3	0	20	30	20	2.2	0	0	0	14	133	2.8
17	1.2	0	20	60	20	1.6	0	0	0	17	114	2.6
18	1.0	0	20	60	10	1.4	0	0	0	21	78	2.5
19	0.9	0	10	60	10	1.1	0	0	10	18	51	2.2
20	0.80	0	10	50	10	1.0	0	0	0	17	50	1.5
21	0.0	0	10	50	10	80	0	0	10	17	50	1.2
22	0.90	0	10	30	10	70	0	0	30	16	48	1.0
23	30	0	10	30	40	50	0	0	30	14	42	0.80
24	30	0	10	50	0	30	0	0	30	12	38	1.0
25	30	10	10	60	1.0	30	0	0	60	11	36	0.90
26	20	20	10	80	70	30	0	0	60	11	32	13
27	20	10	60	80	60	20	0	0	60	9.6	27	49
28	10	0	60	60	30	20	0	0	30	8.4	24	101
29	10	0	60	50	-----	40	0	0	30	7.6	20	106
30	11.3	0	50	30	-----	1.5	0	0	90	9.6	17	68
31	10	-----	50	30	-----	1.5	-----	0	-----	21	15	-----
TOTAL	49.60	1.60	11.40	11.60	10.00	40.00	8.30	0	4.40	296.3	2,910	495.20
MEAN	1.60	0.03	0.37	0.37	0.36	1.29	0.30	0	0.15	9.56	93.9	15.5
MAX	4	20	1.4	80	1.0	3.3	1.6	0	90	21	212	106
MIN	0	0	0	10	10	20	0	0	0	1.4	15	0.80
CFSM	11	104	0.02	0.02	0.02	0.09	0.02	0	0.01	0.64	6.26	1.10
IN	1.4	104	0.03	0.03	0.02	0.10	0.02	0	0.01	0.73	7.21	1.23
AC-FT	98	3.2	23	23	20	79	11	0	8.7	588	5,770	982
CAL YR 1964	TOTAL	MEAN			MAX	MIN	CFSM	IN	AC-FT			
WAT YR 1965	TOTAL	MEAN			MAX	MIN	CFSM	IN	AC-FT			

Note --Shifting-control method used June 18 to Aug 11

2-3034 Cypress Creek near San Antonio, Fla

Location --Lat 28°19'25", long 82°23'03", in SW¼ sec 11, T 25 S, R 19 E, at center on downstream side of box culverts on State Highway 52, 3¼ miles downstream from Bee Tree Branch, 6¼ miles west of San Antonio, Pasco County, and 12 miles west of Dade City

Drainage area --56 0 sq mi

Records available --December 1962 to September 1965

Gage --Digital water-stage recorder Datum of gage is 70 00 ft above mean sea level (State Road Department bench mark) Prior to Aug 25, 1965, graphic water-stage recorder at same site at datum 70 00 ft lower

Extremes --1962-63 Maximum discharge during period December 1962 to September 1963, 206 cfs July 31 (gage height, 74 58 ft), minimum, 0 60 cfs May 23-25, minimum gage height, 72 14 ft May 25  
 1963-64 Maximum discharge during water year, 560 cfs Sept 13 (gage height, 75 70 ft), minimum, 1 5 cfs June 28, minimum gage height, 72 27 ft June 19, 28  
 1964-65 Maximum discharge during water year, 372 cfs Aug 12, 14 (gage height, 75 15 ft), minimum, 0 30 cfs May 31 to June 9, minimum gage height, 72 03 ft June 3, 4, 7  
 1962-65 Maximum discharge, 560 cfs Sept 13, 1964 (gage height, 75 70 ft), minimum, 0 30 cfs May 31 to June 9, 1965, minimum gage height, 72 03 ft June 3, 4, 7, 1965

Remarks --Records fair Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT
1			-	3 2	29	73	17	5 6	9 0	17	158	18
2			-	2 9	28	83	16	5 6	9 3	17	141	17
3			-	2 7	28	107	14	4 5	9 6	17	123	16
4			-	2 6	40	126	12	3 8	9 6	17	109	14
5			-	2 6	39	139	11	2 9	9 6	17	97	13
6			-	2 7	40	130	10	2 2	9 3	17	86	15
7			-	3 4	40	117	9 4	1 8	9 3	16	75	17
8			-	3 4	39	104	8 3	1 7	9 0	16	69	18
9			-	3 2	38	102	7 5	1 5	8 7	17	63	20
10			-	3 2	37	109	6 8	1 3	8 2	40	61	17
11			-	3 2	35	108	6 4	1 2	7 7	70	59	15
12			-	3 2	48	104	5 6	1 6	6 4	79	55	13
13			-	3 2	47	98	4 9	3 4	5 4	76	49	11
14			-	3 2	48	91	4 5	2 2	4 4	76	46	10
15			-	3 2	48	84	4 2	1 6	3 9	79	43	9 6
16			-	3 2	48	78	3 4	1 3	3 4	84	40	8 7
17			-	3 4	47	73	3 2	1 2	2 8	104	37	8 2
18			-	4 2	44	66	2 9	1 0	2 3	126	35	15
19			4 2	4 2	49	61	2 7	9 0	2 1	108	32	3 3
20			4 2	3 8	48	56	2 6	8 0	1 7	103	32	4 4
21			3 8	4 9	48	52	2 6	8 0	1 4	9 5	35	6 9
22			3 8	4 5	47	49	2 4	8 0	1 2	100	33	7 8
23			3 8	9 4	45	44	2 2	7 0	1 2	126	30	8 5
24			3 4	19	44	42	2 0	6 0	1 6	138	28	8 1
25			3 2	19	42	37	1 8	9 0	3 7	160	26	4 1
26			3 8	24	60	33	1 7	2 9	7 4	159	24	9 2
27			3 8	30	72	29	1 6	2 0	8 0	153	22	8 8
28			3 8	30	74	26	1 4	2 8	9 3	140	20	8 4
29			3 8	30	-----	23	1 3	7 2	10	122	18	8 1
30			3 4	30	-----	21	1 4	8 2	12	116	18	7 6
31		-----	3 2	29	-----	19	-----	9 0	-----	184	18	-----
TOTAL			-	294 5	1,252	2,284	170 8	42 00	187 5	2,589	1,682	1,180 5
MEAN			-	9 50	44 7	71 7	5 69	2 65	6 25	83 5	54 3	39 4
MAX			-	30	74	149	17	9 0	12	184	158	92
MIN			-	2 6	28	19	1 3	6 0	1 2	16	18	8 2
CFSM			-	17	80	1 32	10	0 5	1 1	1 49	97	70
IN			-	20	83	1 52	11	0 5	12	1 72	1 12	78
AG-FT			-	584	2,480	4,530	339	163	372	5,140	3,340	2,340



## 2-3034 Cypress Creek near San Antonio, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

CAY	OCT.	NOV.	DEC	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	71	4 1	19	26	54	51	129	18	3.6	18	106	82		
2	66	4.1	17	25	51	48	121	42	3.4	30	105	80		
3	61	4 0	15	25	49	46	111	48	3.1	35	94	75		
4	55	3.9	14	24	55	43	102	51	4.2	33	86	72		
5	50	4.0	12	23	66	42	93	53	6.9	32	78	69		
6	46	5 4	11	22	95	40	84	54	6.4	32	71	65		
7	42	5.2	11	26	105	38	78	52	6.4	31	66	61		
8	38	4.8	10	27	130	36	71	49	6.2	30	61	56		
9	35	4 8	9 9	28	133	35	65	46	5.6	29	56	55		
10	32	2.8	9.0	29	129	32	59	44	5.0	27	55	144		
11	28	3.2	8.5	30	122	30	54	40	4.4	26	65	346		
12	26	3.5	8.0	79	114	28	49	37	4.0	25	74	480		
13	22	3.9	8 0	94	104	27	46	34	3.4	24	75	552		
14	17	4.0	7.7	103	96	24	43	32	2.9	22	90	536		
15	14	4.0	8.2	103	90	21	40	28	2.4	20	88	464		
16	12	4.3	8.5	96	83	20	37	22	2.1	19	83	379		
17	10	4.3	9.0	97	76	37	34	17	1.8	19	83	310		
18	9.6	3.8	9.0	96	85	43	29	14	1.8	24	84	246		
19	9.0	3.7	9.3	94	96	45	25	11	3.0	23	101	206		
20	8.0	3.4	9.3	91	94	46	21	10	5.2	28	121	167		
21	7.4	3.2	9.0	85	91	45	19	9.3	3 5	40	125	142		
22	6.7	3.0	9.0	81	85	43	16	8 5	2.7	42	118	125		
23	6 4	2.9	10	74	81	40	14	7.4	2.2	46	114	112		
24	6.0	2.7	16	73	74	38	12	6.4	2.7	46	117	100		
25	5 8	2.6	18	70	70	36	11	5 8	2 3	56	123	90		
26	5 4	2.6	19	68	65	36	11	6.0	1.8	95	112	82		
27	5 2	2.4	19	63	61	40	10	5 6	1.7	132	105	73		
28	5.0	2.3	20	67	59	73	11	5.2	1.8	152	101	67		
29	4.6	2.2	20	63	55	114	14	4 8	3.2	153	96	61		
30	4 4	2.1	20	60	-----	136	13	4.3	6 8	133	91	57		
31	4.3	-----	23	57	-----	139	-----	4.0	-----	117	87	-----		
TOTAL	712.8	702.3	396.4	1,899	2,468	1,472	1,422	769.3	110.5	1,539	2,831	5,354		
MEAN	23.0	23 4	12.8	61.3	85.1	47 5	47.4	24.8	3.68	49.6	91.3	178		
MAX	71	40	23	103	133	139	129	54	6.9	153	125	552		
MIN	4.3	3.9	7.7	22	49	20	10	4 0	1 7	18	55	55		
CFSM	41	42	23	1.09	1.52	.85	.85	.44	.07	.89	1.63	3.19		
IN-	47	47	26	1 26	1 64	.98	.96	.51	.07	1.02	1.88	3.56		
AC-FT	1,410	1,390	786	3,770	4,900	2,920	2,820	1,530	219	3,050	5,620	10,620		
CAL YR 1963	TOTAL	11,533.80	MEAN	31.6	MAX	184	MIN	.60	CFSM	.56	IN	7.66	AC-FT	22,880
WAT YR 1964	TOTAL	13,676.3	MEAN	53.8	MAX	552	MIN	1 7	CFSM	.96	IN	13 07	AC-FT	39,030

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.		
1	53	11	4.3	9.6	9.6	14	5.2	4.3	.30	25	140	100		
2	51	11	4 1	9.2	9 6	13	4 8	3.5	.30	25	184	97		
3	52	11	3.9	8.8	9.6	14	4 6	2 8	.30	23	223	106		
4	50	11	3 9	8.8	8.8	16	4.1	2 3	.30	21	249	93		
5	48	10	13	8.5	8 2	16	3 5	1.8	.30	19	277	83		
6	46	9 6	22	8.2	7.9	16	3.2	1.6	.30	17	277	74		
7	43	9.2	22	7.6	11	15	3.0	1.3	.30	17	259	66		
8	40	3.3	22	7.3	14	14	2.7	1 1	.30	25	265	60		
9	38	3.5	20	6 8	14	12	2.3	1.0	.30	35	295	58		
10	36	7 9	19	6 5	13	11	2.2	.90	.50	40	245	54		
11	33	7 6	16	6.7	12	10	2.0	.80	2.4	45	235	49		
12	30	7 6	15	6.2	11	9.2	1.8	.80	9.7	54	308	44		
13	28	7 3	13	6.2	10	9.2	1.7	.70	14	58	368	40		
14	27	7 0	13	6 2	10	13	1.6	.60	13	54	360	37		
15	26	6.8	12	13	12	17	1.4	.60	12	45	322	35		
16	25	6 5	12	20	12	15	1.4	.60	12	40	295	36		
17	24	5 2	11	20	11	13	1.4	.50	9 9	62	267	30		
18	22	6.2	11	18	9.9	11	1.3	.50	10	66	231	27		
19	21	5 6	9 9	16	9 2	10	1.2	.50	17	68	202	25		
20	19	5 6	9.6	15	8 2	11	1.1	.40	24	78	178	24		
21	18	5 6	9.2	13	7 6	14	1.3	.40	24	109	163	22		
22	16	6 2	8.5	12	7 0	14	4.1	.40	22	114	201	20		
23	16	5.9	8 2	11	9.2	12	5.4	.40	22	111	245	18		
24	15	5 9	7 9	11	17	11	4 1	.40	20	95	242	18		
25	14	5.9	7.6	12	22	9.9	4.3	.70	20	87	218	18		
26	14	5 6	7.6	13	20	8.8	7 6	1.0	23	78	192	19		
27	13	5.4	7.2	13	14	7.9	11	.60	24	69	166	24		
28	13	5 2	10	12	16	7.3	9 9	.50	24	62	145	26		
29	12	5.2	11	11	-----	7 0	7.6	.40	23	70	129	28		
30	12	4.8	10	11	-----	6.5	5.6	.40	23	84	117	30		
31	11	-----	9.9	10	-----	5.9	-----	.30	-----	109	108	-----		
TOTAL	866	220.1	355.6	337.1	327.8	363 7	111.4	32.10	352.20	1,805	7,106	1,361		
MEAN	27.9	7 34	11 5	10.9	11.7	11.7	3.71	1.04	11.7	58.2	229	45.4		
MAX	53	11	22	20	22	17	11	4 3	24	114	368	106		
MIN	11	4.8	3 9	6 2	7 0	5 9	1.1	.30	.30	17	108	18		
CFSM	.50	.13	.20	.19	.21	.21	.07	.02	.21	1.04	4.09	.81		
IN-	.58	.15	.24	.22	.22	.24	.07	.02	.23	1.20	4.72	.90		
AC-FT	1,720	437	706	669	650	721	221	64	699	3,580	14,090	2,700		
CAL YR 1964	TOTAL	13,306.7	MEAN	52.8	MAX	552	MIN	1.7	CFSM	.94	IN	12.82	AC-FT	38,290
WAT YR 1965	TOTAL	13,238.20	MEAN	36.3	MAX	368	MIN	30	CFSM	.65	IN	8.79	AC-FT	26,260

2-3038 Cypress Creek near Sulphur Springs, Fla

Location --Lat 28°05'20", long 82°24'33', in SE $\frac{1}{4}$  sec 33, T 27 S, R 19 E, near center of span on downstream side of bridge on State Highway 581, 1 2 miles downstream from Thirteenmile Run, 2 $\frac{1}{2}$  miles upstream from mouth, and 5 0 miles northeast of town of Sulphur Springs, Hillsborough County

Drainage area --160 sq mi, approximately

Records available --February 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (Florida State Road Department bench mark)

Extremes --1964 Maximum daily discharge during period February to September, 1,100 cfs Sept 16, maximum gage height, 31 13 ft Sept 17 (backwater from Hillsborough River), no flow June 8-26, minimum gage height, 25 27 ft June 23  
1964-65 Maximum daily discharge during water year, 1,750 cfs Aug 13, maximum gage height, 32 15 ft Aug 13 (backwater from Hillsborough River), no flow May 9 to June 17, minimum gage height, 24 33 ft June 3, 4, 8-10  
Flood of Aug 1, 1960, reached a stage of 34 13 ft, observed (discharge measured, 2,060 cfs, backwater from Hillsborough River)

Remarks --Records good Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1					-	300	440	40	0 8	30	925	404
2					-	278	469	126	5	58	915	380
3					-	260	505	194	3	65	856	366
4					-	245	523	170	2	59	788	436
5					-	239	523	152	1	45	721	550
6					-	230	505	142	1	36	649	680
7					-	221	478	132	1	27	586	667
8					-	209	448	120	0	20	514	590
9					-	200	412	112	0	15	448	496
10					538	194	376	107	0	14	400	518
11					-	179	345	100	0	20	376	667
12					-	167	306	86	0	28	388	800
13					-	155	269	71	0	35	412	900
14					-	145	239	61	0	35	452	1,000
15					-	135	206	51	0	32	492	1,080
16					-	122	173	42	0	30	514	1,100
17					-	124	148	33	0	32	518	1,080
18					-	130	124	28	0	64	510	1,000
19					-	135	102	24	0	86	514	950
20					500	148	88	21	0	89	672	880
21					456	152	71	18	0	80	748	800
22					424	152	58	15	0	83	658	750
23					400	155	49	12	0	98	608	700
24					380	167	42	9 2	0	110	577	660
25					370	170	35	7 6	0	206	559	620
26					359	176	30	6 0	0	452	550	580
27					348	191	25	4 5	1	631	541	550
28					334	254	23	3 4	1	631	514	514
29					317	373	31	4 0	6	626	482	460
30					-----	416	34	3 3	5 6	730	452	420
31					-----	432	-----	1 9	-----	883	428	-----
TOTAL					-	6,454	7,077	1,896 9	8 5	5,350	17,767	20,598
MEAN					-	208	236	61 2	28	173	573	687
MAX					-	432	523	194	5 6	883	925	1,100
MIN					-	122	23	1 9	0	14	376	366
CFSM					-	1 30	1 48	38	0018	1 08	3 58	4 29
IN					-	1 50	1 64	44	002	1 24	4 13	4 79
AC-FT					-	12,800	14,040	3,760	17	10,610	35,240	40,860

## HILLSBOROUGH RIVER BASIN

2-3038 Cypress Creek near Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	380	24	3 7	49	68	77	34	2 2	0	138	842	474
2	359	22	3 2	47	70	86	30	1 2	0	176	878	452
3	352	21	3 0	47	76	102	26	6	0	209	852	492
4	320	21	2 8	49	72	114	23	5	0	227	842	496
5	300	20	12	50	68	124	20	4	0	236	906	487
6	278	18	32	49	63	128	17	2	0	224	1,000	456
7	260	17	43	47	68	128	15	2	0	191	1,150	416
8	245	15	45	44	72	126	12	1	0	155	1,300	373
9	236	14	43	43	76	122	9 4	0	0	142	1,500	352
10	218	12	40	39	74	116	7	0	0	155	1,600	328
11	203	11	39	38	72	110	5 6	0	0	158	1,680	303
12	182	10	39	70	106	4	0	0	0	150	1,720	282
13	158	9 2	43	33	65	110	2 0	0	0	148	1,750	257
14	145	8 4	47	33	64	116	1 8	0	0	164	1,700	230
15	132	7 4	51	44	64	170	1	0	0	194	1,500	206
16	122	6 6	51	58	64	145	6	0	0	227	1,350	176
17	110	5 8	51	65	63	124	4	0	0	310	1,200	150
18	5102	5 4	64	66	103	107	3	0	1	352	1,100	138
19	94	5 0	48	64	61	98	2	0	5	348	1,000	124
20	86	4 5	45	64	59	90	1	0	24	362	950	112
21	76	4 5	43	60	55	84	2	0	80	384	850	104
22	65	6 0	42	61	51	80	1 8	0	83	408	800	97
23	58	6 4	39	64	59	74	2 4	0	64	408	750	92
24	51	5 8	38	74	89	68	2 2	0	48	412	700	110
25	47	5 7	36	86	96	61	2 9	0	48	487	698	130
26	42	5 6	35	95	92	55	5 7	0	47	564	694	132
27	37	5 1	43	94	84	51	6 4	0	55	590	644	150
28	33	4 3	53	88	68	48	6 8	0	68	586	608	242
29	30	4 5	55	88	-----	45	5 6	0	82	568	604	317
30	28	4 3	55	77	-----	42	3 9	0	107	582	550	324
31	26	-----	51	72	-----	37	-----	0	-----	685	-----	-----
TOTAL	4,775	3,100	1,182 7	1,815	1,958	3,004	248 7	5 4	701 6	9,940	32,228	8,000
MAX	154	10 3	38 2	58 5	69 9	96 9	8 29	17	23 4	321	1,040	267
MIN	26	4 3	2 8	33	51	37	1	0	138	510	92	92
CFSM	96	06	24	37	44	61	05	001	15	2 01	6 50	1 67
1N	1 11	.07	27	42	46	70	06	001	16	2 31	7 49	1 86
AC-FT	9,470	615	2,350	3,600	3,880	5,960	493	11	1,390	19,720	63,920	15,870
CAL YR 1964	TOTAL	-	-	-	-	-	-	-	-	-	-	-
WAT YR 1965	TOTAL	64,168 4	-	MEAN 176	-	MAX 1,750	MIN 0	CFSM 1 10	IN 14 91	AC-FT 127,300	-	-

2-3045 Hillsborough River near Tampa, Fla

Location --Lat 28°01'25", long 82°25'40", in sec 29, T 28 S, R 19 E, on left bank just upstream from spillway of Tampa Reservoir dam, at 30th Street, 5.5 miles northeast of Tampa, Hillsborough County

Drainage area --650 sq mi, approximately

Records available --October 1938 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (city of Tampa bench mark) Prior to Oct 1, 1945, at site 2.1 miles upstream at datum 0.66 ft higher

Average discharge --27 years, 671 cfs (485,800 acre-ft per year), adjusted for diversion

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Aug 31, 1961	a 1,260	b 21.45	May 25-27, June 4-7	11	c 16.66
1962	Sept 24, 1962	3,830	d 21.55	Many days	e 5	f 16.96
1963	Mar 6, 1963	3,080	g 21.69	do	e 5	h 18.22
1964	Sept 17, 1964	4,940	i 21.91	do	e 10	j 17.12
1965	Aug 15, 1965	6,340	k 21.94	June 5-14, 16-18	e 1	m 17.82

a Maximum daily discharge for flood event whose crest occurred in the water year indicated Maximum discharge, 3,420 cfs Oct 1, 1960, on the recession from the crest that occurred in the preceding water year  
 b Occurred Nov 7, 1960 c Occurred Oct 8, 1960 d Occurred Aug 11, 1962 e Estimated leakage (gates closed) f Occurred Feb 12, 1962 g Occurred Feb 12, 1963 h Occurred Oct 2, 1963  
 i Occurred June 26, 1964 j Occurred Sept 12 1964 k Occurred July 23, 1965 m Occurred Aug 5, 6, 1965

1938-65 Maximum discharge, 14,600 cfs Mar 21, 1960, maximum gage height, 22.89 ft Aug 2, 1960, no flow Nov 30 to Dec 2, 1945

Maximum stage known, 25.6 ft Sept 7, 1933, at former site and datum, from floodmarks, affected by backwater prior to failure of Tampa power dam, 2.1 miles below former gage A discharge of 16,500 cfs was measured Sept 9, 1933

Remarks --Records fair except those less than 30 cfs (usually gate leakage only), which are poor FLOW regulated at station since Oct 1, 1945, by manipulation of radial gates in spillways and on dam by city of Tampa Water Department Capacity of reservoir insufficient to effect monthly figures of runoff Daily diversions by pumping from Sulphur Springs at Sulphur Springs into reservoir by the city of Tampa Water Department and net monthly diversions at point 1.5 miles above station for water supply by city of Tampa are shown in tables below Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

Cooperation --Records of gate operation and diversions furnished by city of Tampa Water Department

Revisions --WSP 1234 Drainage area

Daily mean diversions, in cubic feet per second, from Sulphur Springs at Sulphur Springs, April to September 1964

Apr 13, 1964	1	June 10, 1964	4	June 12 1964	20	June 14, 1964	22
14	2	11	12	13	20	15	15

Daily mean diversions, in cubic feet per second, from Sulphur Springs at Sulphur Springs October 1964 to September 1965

Apr 14, 1965	12	May 8, 1965	35	May 20, 1965	32	June 1, 1965	35
15	26	9	35	21	28	2	35
16	28	10	35	22	35	3	35
17	28	11	35	23	35	4	35
18	28	12	35	24	35	5	35
19	28	13	35	25	35	6	35
20	35	14	35	26	35	7	35
21	35	15	35	27	35	8	35
22	24	16	35	28	35	9	28
May 5	18	17	35	29	35	10	35
6	35	18	35	30	35	11	15
7	35	19	35	31	35		

MONTHLY MEAN DIVERSIONS, IN CUBIC FEET PER SECOND, BY CITY OF TAMPA

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1961	42.9	43.9	39.3	34.7	40.5	50.6	50.6	57.7	57.7	48.0	43.0	45.9
1962	51.1	48.8	43.0	38.5	44.7	45.4	53.6	61.5	44.5	50.9	42.4	40.7
1963	49.5	43.0	44.1	41.8	39.3	47.7	68.6	66.1	60.7	51.1	54.0	50.7
1964	59.9	49.1	46.7	41.4	40.3	47.4	63.0	64.9	63.9	54.2	48.6	50.8
1965	54.7	63.3	56.2	46.5	46.2	50.7	57.8	44.2	44.2	50.5	48.6	48.7

## 2-3045 Hillsborough River near Tampa, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,380	332	192	210	199	134	100	30	12	34	59	568
2	3,350	262	192	203	209	153	102	33	12	37	44	591
3	3,260	060	189	220	258	170	102	36	17	42	12	683
4	3,100	050	186	223	308	178	98	36	11	47	13	682
5	2,900	230	186	215	308	175	95	33	11	48	45	576
6	2,650	312	178	209	308	170	88	34	11	47	60	613
7	2,480	404	175	205	316	162	86	32	11	44	59	556
8	1,980	770	170	202	408	155	86	30	12	40	61	371
9	1,930	351	168	212	470	148	84	26	14	34	113	415
10	2,150	592	165	209	456	144	79	33	16	30	95	415
11	2,350	155	172	209	474	136	73	40	17	26	39	417
12	2,310	354	139	209	514	128	78	42	23	30	39	343
13	2,320	423	189	226	517	134	88	42	32	32	74	254
14	2,220	328	189	240	494	148	84	42	41	38	163	188
15	2,180	293	192	247	433	150	79	42	44	51	50	239
16	2,090	317	203	247	464	150	79	38	43	56	63	286
17	1,990	317	206	255	413	152	80	34	46	65	114	236
18	1,970	317	206	259	362	152	76	30	46	64	81	188
19	1,940	314	206	263	363	155	75	26	46	127	146	217
20	1,900	317	206	301	363	155	69	23	42	244	189	71
21	1,600	300	249	307	315	148	66	19	40	258	164	273
22	1,700	293	260	297	342	146	62	17	38	178	168	276
23	1,380	262	242	282	384	140	57	12	32	171	247	228
24	914	275	234	272	614	136	54	12	10	141	279	228
25	565	270	234	262	271	130	48	11	14	93	348	150
26	947	262	234	239	217	124	45	11	33	95	538	176
27	861	258	196	224	122	118	41	11	33	127	517	91
28	664	192	200	224	92	108	37	12	36	113	460	38
29	525	170	214	226	-----	102	32	14	36	59	687	83
30	484	189	226	224	-----	96	30	14	34	59	542	55
31	529	-----	226	201	-----	92	-----	12	-----	59	1,260	-----
TOTAL	58,007	10,773	7,274	7,322	10,011	4,394	2,175	827	848	2,489	6,719	9,457
MEAN	1,871	359	232	236	318	142	72	26	23	80	217	315
MAX	3,380	604	260	307	614	178	102	42	46	258	1,260	683
MIN	404	155	165	201	92	92	30	11	11	26	17	38
MEAN*	1,914	403	241	271	398	193	123	84	86	128	260	361
CFSM*	2.94	62	37	42	61	30	19	13	13	20	40	56
IN*	3.39	69	64	64	34	21	15	15	23	46	62	62
ACFT*	117,700	23,980	14,820	16,660	22,100	11,870	7,320	5,190	5,120	7,870	15,990	21,480
CAL YR 1960	TOTAL 612,093	MEAN 1,672	MAX 13,500	MIN 17	MEAN* 1,715	CFSM* 2.64	IN* 35.90	AC-FT* 1,214,000				
WAT YR 1961	TOTAL 119,296	MEAN 327	MAX 3,380	MIN 11	MEAN* 373	CFSM* 57	IN* 7.79	AC-FT* 236,700				

\* Adjusted for diversion by city of Tampa

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	30			124	121	63				1,470		3,350
2	30			122	121	63				1,200	629	3,170
3	178			121	121	63				1,200		3,270
4	122			171	171	63				1,060	603	3,250
5				121	121	28				866	695	3,010
6	30		15	153	121					436	758	2,770
7				159	121					789	660	2,580
8				171	121				5.0	648	696	2,420
9	100			146	151					205	834	2,390
10				151	199					114	610	2,400
11				155	180					179	771	2,340
12				138	119					280	601	2,230
13				131	102					355	763	2,500
14	15			121	121					356	702	2,950
15		15.0		121	121				49	362	670	2,860
16				121	135		5.0	5.0	126	873	735	2,750
17			5.0	121	121				262	1,270	1,160	2,390
18				121	121				327	993	1,440	2,340
19				121	121				420	364	1,560	2,130
20	109			121	121				414	676	544	2,660
21				121	121				552		928	2,510
22				151	101				641		1,100	2,950
23				159	121	92			562	660	904	3,650
24				181	121	92			1,230		1,720	3,830
25	15			104	121	92			1,630		2,450	3,760
26				58	121	73			1,890		2,880	3,700
27				52	121	63			1,980		3,510	3,430
28				54	171	63			1,980	640	3,450	2,960
29				44	121	-----			1,910		3,530	2,600
30				45	121	-----			1,780		3,530	2,640
31				67	121	-----			-----		3,510	-----
TOTAL	1,004	490	1,340.0	3,991	3,277	410.0	150.0	155.0	15,873.0	21,236	43,174	85,790
MEAN	32.4	15.0	43.2	129	117	13.2	5.00	5.00	527	685	1,393	2,860
MAX	178		351	171	199	63			1,980	1,470	3,530	3,830
MIN				121	63					114	544	2,130
MEAN*	83.5	63.8	86.2	168	162	58.6	58.6	66.5	572	736	1,435	2,901
CFSM*	13	10	13	26	25	09	09	10	88	1.13	2.21	4.46
IN*	15	11	15	30	26	10	10	12	98	1.31	2.55	4.98
ACFT*	5,140	3,790	5,300	10,290	8,980	3,600	3,490	4,090	34,030	45,250	88,240	172,600
CAL YR 1961	TOTAL 47,036	0	MEAN 129	MAX 1,260	MIN -	MEAN* 177	CFSM* 27	IN* 3.69	AC-FT* 127,800			
WAT YR 1962	TOTAL 176,800	0	MEAN 484	MAX 3,380	MIN -	MEAN* 531	CFSM* 82	IN* 11.11	AC-FT* 384,800			

\* Adjusted for diversion by city of Tampa

## 2-3045 Hillsborough River near Tampa, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,990	209	79	158	260	1,150	185	5.0	198	484	1,310	505
2	1,250	179	135	80	229	1,900	124	5.0	178	790	1,200	439
3	1,570	162	78	159	348	1,730	175	215	116	798	1,160	530
4	1,120	204	140	90	448	1,810	70	19	119	750	1,260	487
5	883	160	79	79	421	2,040	5.0		169	627	1,200	870
6	701	141	156	79	510	2,090	347		163	559	1,210	666
7	1,080	205	110	177	558	1,740	325		149	402	780	662
8	873	138	104	79	559	1,650	102		165	343	1,109	542
9	574	204	154	101	557	1,650			159	298	943	387
10	479	153	154	79	477	1,450			252	477	879	334
11	527	362	154	79	477	1,440	5.0		128	400	834	358
12	489	229	154	79	1,160	1,500			111	446	810	300
13	533	255	103	116	805	1,560			111	534	734	280
14	444	230	79	99	387	1,470	30		96	496	549	149
15	616	287	145	138	901	1,170	76	5.0	91	534	475	255
16	354	196	79	99	917	1,450	18		71	806	528	150
17	798	247	141	79	973	1,350			77	837	397	120
18	216	168	79	60	353	833	5.0		93	930	448	358
19	784	196	121	21	866	370			79	932	294	112
20	791	147	123	124	572	831	46			979	314	476
21	232	169	149	206	843	769		5.0		981	434	177
22	223	189	125	184	483	655				922	1,000	290
23	360	203	159	238	795	623				1,400	725	304
24	213	238	109	119	626	468		9.0		1,000	955	300
25	43	190	111	185	592	248			181	1,100	1,160	333
26	196	187	154	229	968	311		74	65	1,280	943	434
27	273	17	155	205	829	301		389	127	1,320	999	535
28	273	170	221	186	1,130	284		260	167	1,340	887	574
29	266	134	98	229	-----	289		5.0	333	1,290	730	719
30	163	177	115	229	-----	312		93	475	1,320	672	600
31	153	-----	111	229	-----	226	-----	186	-----	1,340	504	-----
TOTAL	17,976	5,386	3,934	4,214	18,544	34,470	1,593.0	1,356.0	3,897.0	25,715	25,434	12,246
MEAN	580	196	127	136	662	1,112	53.1	43.7	130	830	820	408
MAX	1,990	362	231	238	1,160	2,090	347	389	475	1,400	1,310	870
MIN	43	124	78	29	226	226	-----	-----	298	294	112	-----
MEAN*	630	239	171	178	701	1,160	122	110	191	881	874	459
CFSM*	97	37	26	27	1 08	1 78	19	17	29	1 36	1 34	71
IN*	1 12	41	30	32	1 12	2 06	21	20	33	1 56	1 55	78
ACFT*	38,740	14,220	10,510	10,940	38,930	71,330	7,260	6,760	11,360	54,170	53,740	27,310
CAL YR 1962: TOTAL	201,802	0	MEAN 553	MAX 3,830	MIN -	MEAN* 600	CFSM* 92	IN* 12	53	AC-FT* 434,000		
WAT YR 1963: TOTAL	155,265	0	MEAN 425	MAX 2,090	MIN -	MEAN* 476	CFSM* 73	IN* 9	96	AC-FT* 345,300		

\* Adjusted for diversion by city of Tampa

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	JCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	629	10	291	474	1,030	987	2,160	303		364	2,750	1,290
2	672	58	236	453	949	742	2,070	900		467	2,810	1,130
3	558	31	242	470	902	762	1,980	850		565	2,750	1,100
4	625	47	195	390	1,220	711	1,960	800	10	537	2,640	991
5	725	47	260	423	1,390	874	1,810	746		577	2,400	1,290
6	496	72	201	390	1,630	922	1,620	584		571	2,250	1,610
7	432	95	226	468	1,740	528	1,430	572	17	547	1,990	1,810
8	397	47	193	424	1,910	645	1,350	547		540	1,730	2,190
9	428	47	153	466	2,220	581	1,240	525		453	1,510	1,960
10	344	365	153	462	2,140	583	1,140	491	10	335	1,310	2,030
11	256	435	167	486	2,270	554	970	403		423	1,200	2,420
12	250	605	150	904	2,400	522	818	304	46	366	1,110	2,780
13	234	856	143	1,470	2,320	325	782		22	296	1,160	3,690
14	214	930	333	1,810	2,130	429	856		10	263	1,290	4,120
15	75	951	247	2,380	2,030	360	990		22	226	1,560	4,810
16	73	378	368	2,660	1,880	381	857			247	1,710	4,920
17	118	797	21	2,760	1,720	348	999			439	1,700	4,940
18	118	766	206	2,680	1,710	378	1,060			317	1,790	4,820
19	116	722	305	2,620	1,550	391	704			326	1,830	4,720
20	138	927	245	2,510	1,510	439	328	169		265	1,860	4,610
21	25	521	278	2,360	1,700	436	271	200	10	267	2,200	4,060
22	57	367	231	2,210	1,920	453	229	219		179	2,450	3,800
23	44	407	330	2,110	1,680	453	193	140		130	2,490	3,440
24	24	456	269	1,980	1,580	472	195	97		372	2,470	3,100
25		334	276	1,850	1,460	464	205	113		444	2,370	2,830
26		396	314	1,720	1,210	466	199		402	1,270	1,880	2,580
27		341	310	1,510	1,280	472	130	128		1,080	1,560	2,190
28	10	303	310	1,400	1,200	1,100	238		255	1,550	1,890	1,930
29		339	300	1,290	1,160	1,020	196	10		80	2,180	1,770
30		362	290	1,100	-----	1,440	278			437	2,520	1,600
31		-----	270	1,080	-----	1,930	-----	-----	-----	2,830	1,430	-----
TOTAL	7,283	12,714	7,513	43,370	48,051	20,168	27,258	9,985	1,501	20,946	59,530	84,531
MEAN	235	424	242	1,399	1,657	651	909	322	50.0	676	1,920	2,818
MAX	725	951	368	2,760	2,400	1,930	2,160	900	437	2,810	2,810	4,940
MIN	10	10	21	390	902	325	130	130	-	130	1,110	991
CFSM*	295	473	280	1,440	1,697	758	972	387	114	730	1,968	2,869
MEAN*	45	73	45	2 22	2 61	1 07	1 50	60	18	1 12	3 03	4 61
IN*	52	81	51	2 55	2 82	1 24	1 67	69	20	1 29	3 49	4 92
ACFT*	18,130	28,140	17,770	88,570	97,630	42,920	57,820	23,800	6,780	44,880	121,100	170,700
CAL YR 1963: TOTAL	154,979	0	MEAN 425	MAX 2,090	MIN -	MEAN* 478	CFSM* 74	IN* 9	97	AC-FT* 345,800		
WAT YR 1964: TOTAL	342,850	0	MEAN 937	MAX 4,940	MIN -	MEAN* 950	CFSM* 51	IN* 20	71	AC-FT* 718,400		

\* Adjusted for diversion by city of Tampa

## 2-3045 Hillsborough River near Tampa, Fla --Continued

DISCHARGE, IN CUDIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,460	31	10	284	254	384	200			230	1,880	1,630
2	1,420	149	90	220	260	447	207		5.0	164	2,070	1,530
3	1,470	244	193	258	254	420	199			323	2,680	1,410
4	1,180	176	233	282	250	427	194		3.0	322	3,280	1,360
5	1,090	203	280	222	221	345	235			351	3,720	1,260
6	1,010	210	254	184	259	226	72			299	3,620	1,190
7	716	232	220	214	264	292				354	3,830	1,020
8	458	90	170	241	326	121				384	4,080	1,050
9	650	134	84	192	203	168				198	4,470	993
10	686	176	125	195	253	300			1.0	360	4,980	592
11	650	158	281	177	249	342				332	5,560	779
12	562	158	269	179	207	297				460	5,790	659
13	755	158	281	200	249	386	4.0			499	5,790	656
14	703	158	280	220	195	335				352	6,290	418
15	453	156	220	220	268	423			23	434	6,340	493
16	338	158	273	274	102	281				565	6,100	519
17	348	132	246	265	253	390			1.0	684	5,670	499
18	352	158	256	263	244	384				783	5,230	520
19	316	150	149	306	211	374				889	4,810	389
20	308	134	233	335	278	339				378	4,530	433
21	429	182	274	280	112	262				342	4,140	396
22	337	180	296	269	155	324				383	697	3740
23	363	138	350	261	323	250				410	976	3,550
24	441	158	187	254	300	279				395	1,010	3,150
25	340	177	247	301	195	246	5.0			537	1,070	2,870
26	270	196	194	154	438	245				501	1,110	2,600
27	241	158	301	288	407	168				271	1,110	2,350
28	87	212	182	298	377	247				329	952	2,120
29	24	173	275	234	-----	226	170			297	1,070	1,980
30	31	73	174	270	-----	208	127			238	1,830	1,610
31	10	-----	154	290	-----	213	-----			-----	1,880	1,590
TOTAL	17,149	4,392	10,790	7,644	7,152	9,467	1,500.0	155.0	4,353.0	21,504	120,420	23,140
MEAN	553	163	214	247	255	305	50.0	5.00	145	694	3,885	771
MAX	1,420	244	350	335	438	427	235	-	537	1,880	6,340	1,630
MIN	10	31	10	154	102	121	-	-	-	164	1,590	138
MEAN#	608	226	275	294	301	356	108	49	180	744	3,934	820
CFSM#	94	35	42	45	46	55	18	08	29	1.14	6.05	1.26
IN #	1.08	39	49	52	48	63	19	09	32	1.32	6.98	1.41
ACFT#	37,380	13,450	16,910	18,080	16,720	21,890	6,430	3,010	11,250	45,750	241,900	48,790
CAL YR 1964	TOTAL 344,171			MEAN 940	MAX 4,940	MIN -	MEAN# 994	CFSM# 1.53	IN# 20.83	AC-FT# 722,100		
WAT, YR 1965	TOTAL 224,166.0			MEAN 614	MAX 6,340	MIN -	MEAN# 665	CFSM# 1.02	IN# 13.90	AC-FT# 481,600		

‡ Adjusted for diversion by city of Tampa

Location --Lat 28°01'15", long 82°27'05", in NE<sup>1</sup>/<sub>4</sub> sec 25, T 28 S, R 18 E, at swimming pool 100 ft west of U S Highway 41 in Sulphur Springs, Hillsborough County, 500 ft upstream from Hillsborough County, and 500 ft upstream from Hillsborough River

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 (levels by city of Tampa) Prior to July 15, 1959, reference point at same site and datum

Extremes --Maximum and minimum daily discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 9, 1961	74	-	Apr 16, 1961	35	-
1962	Apr 10, 1962	73	-	May 22 1962	33	-
1963	Sept 4 1963	76	a - 62	Many days	e 29	-
1964		a 7	c 7 73	June 14, 1964	e 25	-
1965	Aug 14-19, 1965	b 6	d 7 91		f -	-

a Occurred Aug 11, 1963	b Maximum discharge measured 74.5 cfs Feb 14, 1964	c Occurred Sept 11, 1964
d Occurred Aug 6, 1965	e Affected by pumpage	f Minimum discharge measured 36.7 cfs Jan 25, 1965

1931-34, 1956-65 Maximum discharge measured, 111 cfs Aug 21, 1959, minimum measured, 12.9 cfs Feb 12, 1934

12 3583-65 Maximum gage height, 11 11 ft Mar 21, 1960 (wall at head pool flooded out by Hillsborough River), minimum gage height unknown (below 2 ft each year)  
Maximum discharge measured, 163 cfs Aug 3, 1945

Remarks --Records good except those prior to October 1961, those for period of indefinite star-  
discharge relation when the gates were open, and those for period when pump was operated in  
spring pool, which are poor. Discharge measurements made in spring run about 200 ft downstream  
from gage. Flow regulated by operating gates at swimming pool at head of springs. Some diversions  
by pumping from the spring pool into Hillsborough River above the dam by the City of  
Tampa Water Department (see station 2-3045 Hillsborough River near Tampa, Fla.) Records of  
chemical analyses for the water years 1964-65 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	08	02	57	53	51	53	53	43	41	41	46	57
2	07	01	56	53	51	53	53	43	41	42	46	57
3	0	01	56	53	51	53	53	43	41	42	46	58
4	07	01	56	53	51	53	53	43	41	42	45	57
5	07	01	56	53	51	53	52	43	41	42	46	57
6	00	01	56	53	51	53	52	43	41	42	46	56
7	06	01	56	53	51	53	52	43	42	42	46	56
8	00	00	55	52	52	53	52	43	42	42	46	56
9	00	00	55	52	52	53	52	43	42	42	46	56
10	00	01	55	52	52	53	53	43	42	41	46	56
11	06	01	55	52	52	53	72	43	42	41	46	56
12	06	01	54	52	53	53	47	43	42	41	46	56
13	00	00	54	52	53	53	70	43	42	41	46	55
14	06	00	54	52	53	53	69	43	41	46	55	
15	06	00	54	52	53	53	48	43	42	42	46	55
16	05	00	54	52	53	53	35	43	41	42	46	55
17	05	00	54	52	53	53	38	43	42	42	46	54
18	05	00	54	52	53	53	40	42	42	42	46	54
19	04	00	54	51	53	53	41	42	41	56	47	53
20	04	00	54	51	53	53	41	42	42	70	47	53
21	04	59	54	51	53	53	42	42	43	54	48	53
22	03	59	53	51	53	53	42	52	43	37	47	53
23	03	58	53	51	53	53	42	60	42	40	48	53
24	03	59	54	51	53	53	42	36	42	42	48	52
25	03	58	54	51	53	53	42	39	43	42	52	52
26	03	58	54	51	53	53	42	40	43	43	54	51
27	03	58	54	51	53	53	42	41	42	44	54	51
28	03	58	53	51	53	53	42	41	42	44	55	52
29	02	58	53	51	53	53	42	41	42	46	56	52
30	02	57	52	50	-----	53	42	42	42	46	56	52
31	02	-----	53	50	-----	53	-----	41	-----	45	57	-----
TOTAL	2,011	1,793	1,087	1,604	1,400	1,643	1,523	1,352	1,256	1,359	1,496	1,633
MEAN	66.9	57.8	54.4	51.7	52.4	53.0	50.8	43.0	41.9	43.8	48.3	54.4
MAX	68	62	57	53	54	53	74	50	43	70	57	74
MIN	62	57	53	50	51	53	35	36	41	37	45	51
AC-FT	3,990	3,350	3,350	3,180	2,910	3,260	3,020	2,640	2,490	2,700	2,970	3,240
CAL YR	1960	TOTAL	24,297									
WAT YR	1961	TOTAL	18,303	MEAN	60.4	MAX	74	MIN	30	AC-FT	48,190	1,633
				MEAN	51.3			MIN	35	AC-FT	37,300	



## HILLSBOROUGH RIVER BASIN

2-3060 Sulphur Springs at Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	52	46	42	39	36	42	46	39	37	47	44	51
2	51	61	42	38	36	42	46	39	37	47	44	53
3	51	72	42	38	36	42	46	39	38	48	43	53
4	51	53	42	38	36	42	46	39	38	48	43	54
5	51	37	42	38	37	42	46	39	38	48	43	55
6	51	39	42	38	37	42	46	39	39	48	43	54
7	50	40	42	38	37	42	46	38	39	48	44	53
8	50	42	42	38	37	42	46	38	39	48	44	55
9	50	43	41	38	38	43	58	38	39	48	44	56
10	50	42	41	38	38	43	73	37	40	47	44	56
11	49	42	41	38	38	43	69	37	42	48	45	56
12	49	42	40	38	38	43	48	37	42	48	45	56
13	49	42	40	38	38	43	37	37	42	48	45	56
14	49	42	40	37	39	43	39	37	43	48	45	56
15	48	43	40	37	39	44	42	38	43	48	45	56
16	48	43	40	37	39	44	42	38	43	48	45	56
17	48	43	40	37	39	44	42	38	43	48	45	56
18	48	43	40	37	39	44	42	38	43	48	45	56
19	48	43	40	37	40	44	42	38	44	48	45	55
20	48	42	40	36	40	44	42	46	44	48	45	56
21	48	41	40	36	40	44	40	54	44	48	45	57
22	47	42	40	36	40	44	39	33	45	48	46	58
23	47	42	40	35	40	45	39	34	45	47	46	60
24	46	42	40	35	41	45	39	34	45	47	46	60
25	46	42	40	35	41	45	39	35	45	46	47	61
26	46	43	40	36	41	46	39	35	45	46	47	61
27	46	43	39	36	41	46	40	35	45	46	48	61
28	46	43	39	36	41	46	40	34	46	45	48	61
29	46	42	39	36	-----	47	41	35	46	45	49	60
30	46	42	36	36	-----	47	39	35	47	45	50	60
31	46	-----	39	36	-----	47	-----	36	-----	44	51	-----
TOTAL	1,501	1,322	1,253	1,146	1,083	1,161	1,339	1,169	1,267	1,464	1,409	1,696
MEAN	48.4	44.1	40.4	37.0	38.7	43.9	44.6	37.7	42.2	47.2	45.5	56.5
MAX	52	72	42	39	41	48	73	54	47	48	51	61
MIN	46	37	36	35	36	42	37	33	37	44	43	51
AC-FT	2,980	2,520	2,490	2,270	2,150	2,700	2,660	2,370	2,510	2,900	2,790	3,360

CAL YR 1961 TOTAL 17,368 MEAN 47.6 MAX 74 MIN 35 AC-FT 34,490  
WAT YR 1962 TOTAL 16,010 MEAN 43.9 MAX 73 MIN 33 AC-FT 31,760

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	60	52	46	42	39	48	48	45	41	42	54	53
2	60	51	46	42	39	48	48	45	41	42	54	53
3	60	51	46	42	39	48	48	45	41	43	55	68
4	60	51	47	42	39	48	48	45	41	43	56	76
5	60	50	47	42	39	48	48	52	41	43	56	70
6	59	50	47	42	39	48	48	70	41	43	56	61
7	58	50	46	42	39	48	48	50	41	44	56	65
8	58	50	46	42	39	48	48	42	41	44	56	60
9	58	49	46	42	39	49	48	44	41	44	56	60
10	58	49	46	42	41	49	48	44	41	44	56	65
11	56	49	46	42	41	49	48	44	41	46	56	60
12	56	49	46	42	42	49	47	44	41	46	56	60
13	56	49	46	42	42	49	47	44	41	46	56	60
14	56	49	46	42	42	49	47	44	41	46	56	60
15	56	49	46	42	43	49	47	43	39	46	56	60
16	56	49	46	41	43	50	47	42	39	47	56	60
17	56	49	46	41	43	50	47	42	39	47	56	60
18	56	49	46	41	44	49	47	42	39	47	56	60
19	55	49	46	41	45	47	47	42	39	47	56	60
20	55	48	45	41	45	49	47	42	39	48	56	60
21	54	48	44	40	45	49	46	42	39	48	56	60
22	54	48	44	40	45	50	46	42	40	49	56	60
23	53	48	44	40	46	50	46	42	40	49	55	51
24	53	48	43	40	46	50	46	42	41	51	55	51
25	53	48	43	39	46	51	46	42	41	51	54	51
26	53	47	43	39	47	51	46	42	41	52	54	54
27	53	47	43	39	47	51	46	42	41	52	54	54
28	53	47	43	39	48	51	45	41	42	52	53	53
29	53	47	42	39	-----	51	45	41	42	53	53	53
30	53	47	42	39	-----	50	45	41	42	54	53	53
31	52	-----	42	39	-----	49	-----	41	-----	54	53	-----
TOTAL	1,733	1,467	1,395	1,268	1,192	1,527	1,408	1,369	1,215	1,463	1,711	1,836
MEAN	55.9	48.9	45.0	40.9	42.6	49.3	46.9	44.2	40.5	47.2	55.2	61.2
MAX	60	52	47	42	48	51	48	70	42	54	56	76
MIN	52	47	42	39	39	48	45	41	39	42	53	53
AC-FT	3,440	2,910	2,770	2,520	2,360	3,030	2,790	2,720	2,410	2,900	3,390	3,640

CAL YR 1962 TOTAL 16,529 MEAN 45.3 MAX 73 MIN 33 AC-FT 32,780  
WAT YR 1963 TOTAL 17,584 MEAN 48.2 MAX 76 MIN 39 AC-FT 34,880

Note --Stage-discharge relation indefinite Sept 3-30

## 2-3060 Sulphur Springs at Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1		33	38	37	40		70	49	49	47	54	57
2		33	38	37	40		65	53	49	47	55	57
3	65	33	38	37	40		55	53	49	47	56	57
4		34	38	37	40		30	53	49	47	56	57
5		34	38	37	40		41	50	49	46	57	57
6		34	38	38	40	70	43	50	49	46	57	58
7		34	38	38	40		44	50	49	46	57	59
8	60	33	38	38	40		45	51	49	45	57	59
9		33	38	37	40		45	51	49	45	57	59
10		35	38	37	40		46	52	45	44	57	59
11		46	34	38	37	58	46	52	36	43	57	60
12		34	35	38	38		47	52	26	43	57	61
13		40	35	38	38		46	53	27	42	58	61
14		36	36	38	38		46	53	25	42	58	62
15		31	36	37	38		47	53	31	47	58	63
16		31	36	37	38		46	53	47	42	58	63
17		31	37	37	39	75	48	53	47	42	58	63
18		32	37	37	39		49	52	47	43	58	64
19		32	37	37	39		49	52	47	43	58	64
20		32	37	37	40		49	52	47	43	59	63
21		33	37	37	40		49	51	47	43	60	63
22		33	38	37	40		49	51	47	43	60	63
23		33	38	37	40		49	51	47	44	60	62
24		33	38	37	40		49	51	47	44	60	61
25		33	38	37	40		49	50	47	45	60	61
26		33	38	37	40	70	49	50	46	46	60	60
27		33	38	37	40		49	50	46	48	59	60
28		33	38	37	40		49	50	47	49	59	59
29		33	39	37	40		49	48	47	50	58	58
30		33	38	37	40		49	49	47	52	58	58
31		33	37	37	40			49		53	57	
TOTAL	1,337	1,076	1,161	1,197	1,783	2,120	1,453	1,587	1,334	1,402	1,793	1,808
MEAN	43.1	34.9	37.5	38.6	51.5	68.4	48.4	51.2	44.5	45.2	57.8	60.3
MAX		39	38	40			70	53	49	53	60	64
MIN	31	33	34	37	40			48	25	42	56	
AC-FT	2,650	2,130	2,300	2,370	3,240	4,200	2,880	3,150	2,650	2,780	3,560	3,590
CAL YR 1963	TOTAL 16,503			MEAN 45.4	MAX 76		MIN 31	AC-FT 32,850				
WAT YR 1964	TOTAL 13,051			MEAN 49.3	MAX -		MIN 25	AC-FT 35,800				

Note --No gage-height record Feb 11 to Apr 3

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	47	42	37	35	36	40	43		45	52	61
2	58	46	42	35	35	37	40	43		45	53	61
3	58	46	42	35	35	36	40	43		45	53	61
4	58	46	42	34	36	36	40	43		45	53	61
5	57	46	43	34	36	36	40	34	5 0	45	55	60
6	57	46	42	34	36	37	40			46	57	60
7	56	45	42	34	36	37	40			46	57	58
8	55	45	42	34	36	37	40			46	60	57
9	55	45	42	35	35	37	40		10	46	61	57
10	55	45	42	35	35	37	41		5 0	46	62	57
11	55	45	42	34	35	37	41		24	46	63	57
12	54	45	42	34	35	38	41		39	47	64	57
13	54	45	40	34	35	38	41		40	47	65	57
14	53	45	40	34	35	38	37		40	47	66	57
15	53	45	40	35	35	38	20		41	47	66	57
16	52	45	40	35	35	38	18		41	47	66	57
17	52	45	40	35	35	38	18		47	47	66	57
18	52	45	39	35	35	37	18		42	47	66	56
19	50	44	39	35	35	37	18		42	48	66	56
20	50	43	39	35	35	57	5.0		42	48	65	56
21	50	43	39	35	35	58	5 0		42	48	65	56
22	49	42	39	36	36	35	24		43	48	65	56
23	49	42	39	36	36	38	42		43	48	65	57
24	49	42	39	36	36	40	42		43	48	65	57
25	48	42	39	36	36	40	43		43	48	64	57
26	47	42	38	36	36	41	43		44	48	63	57
27	47	42	38	36	36	41	43	5 0	45	48	62	57
28	47	42	38	36	36	41	43		45	48	62	57
29	47	42	38	36		41	43		45	49	62	57
30	47	42	37	36		41	43		45	50	61	57
31	47		37	35		40				50	61	
TOTAL	1,614	1,325	1,243	1,087	991	1,219	1,029.0	416.0	886.0	1,459	1,911	1,728
MEAN	52.1	44.2	40.1	35.1	35.4	39.3	34.3	13.4	29.5	47.1	61.6	57.6
MAX	58	47	42	37	36	58	43	43	45	50	66	61
MIN	47	42	37	34	35	36	5.0	-	-	45	52	56
AC-FT	3,210	2,830	2,470	2,160	1,970	2,420	2,040	825	1,760	2,890	3,790	3,430
CAL YR 1964	TOTAL 18,664			MEAN 51.0	MAX -		MIN 25	AC-FT 37,020				
WAT YR 1965	TOTAL 14,913.0			MEAN 40.9	MAX 66		MIN -	AC-FT 29,580				

Note --Some diversions by pumping from the spring pool into Hillsborough River above the dam by the City of Tampa Water Department causing stage-discharge relation to become indefinite May 5 to June 11

2-3065 Sweetwater Creek near Sulphur Springs, Fla

Location --Lat 28°02'33", long 82°30'44", in sec 16, T 28 S, R 18 E, on left bank near upstream side of bridge on Gunn Highway, 1½ miles downstream from Lake Ellen, and 4 1 miles northwest of Sulphur Springs Post Office, Hillsborough County

Drainage area --7 43 sq mi (revised)

Records available --October 1951 to September 1965

Gage --Water-stage recorder Datum of gage is 30 68 ft above mean sea level, datum of 1929

Average discharge --14 years, 9 02 cfs (6,530 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum	
	Date	Discharge (cfs)	Gage height (feet)	Date	Gage height (feet)
1961	Oct 9 1960	70	1 44	June 6 1961	-0 12
1962	Sept 20, 1962	158	2 08	May 28, 1962	a -1 11
1963	July 23, 1963	165	1 42	June 21, 1963	a 0 06
1964	Mar 28 1964	106	1 82	Oct 28, 1963	a -0 39
1965	Aug 21 1965	63	1 78	June 7, 1965	-1 43

a Affected by pumpage

No flow for many days each year

1951-65 Maximum discharge, 438 cfs Mar 17, 1960 (gage height 4 25 ft), no flow for many days in most years, creek dry at gage in June 1956

Remarks --Records fair except those above 20 cfs and those for the 1961 water year, which are poor. Some regulation by manipulation of stoplogs in controls above station. Since Feb 10, 1953, considerable flow diverted at times into basin above station from Hillsborough River basin. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND WATER YEAR (C) JUNE 1960 TO SEPTEMBER 1961

DAY	DATE	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	17	5 5	1 2	50	40	60	50	20	20	0	90	4 4
2	17	5 9	1 4	50	40	60	40	20	20	0	1 0	7 0
3	18	5 6	1 0	40	90	50	30	20	20	20	1 4	5 2
4	15	4 2	1 0	40	1 4	40	10	20	0	30	1 2	4 6
5	15	4 4	1 0	40	1 0	40	30	20	0	20	90	3 8
6	13	4 1	1 0	40	40	1 0	30	20	0	20	80	3 0
7	14	3 6	1 0	40	2 0	1 2	50	20	1 4	10	60	2 6
8	13	3 0	1 0	40	2 6	60	40	20	1 2	10	60	2 6
9	32	2 0	1 0	60	2 0	70	30	20	1 0	0	70	3 3
10	41	2 6	90	50	1 6	40	30	30	80	0	80	3 0
11	33	2 4	1 0	50	1 5	30	20	20	70	0	60	2 8
12	28	2 2	60	50	1 2	20	30	20	70	0	60	2 2
13	25	5 6	60	70	1 2	40	30	20	1 1	10	80	1 4
14	24	4 4	70	70	1 0	90	20	20	90	30	70	1 2
15	21	3 0	70	70	1 2	60	20	20	80	20	60	2 0
16	19	2 2	60	60	1 2	60	30	20	70	20	1 5	2 2
17	18	1 8	90	60	90	50	20	20	50	20	5 5	1 6
18	15	1 0	40	50	80	40	20	20	40	20	8 7	1 4
19	14	1 2	40	60	70	40	20	20	50	1 1	14	1 2
20	13	1 4	40	60	70	40	20	20	50	1 4	23	1 0
21	12	1 4	50	50	70	40	20	10	40	1 8	12	1 0
22	11	1 2	50	60	70	40	20	10	40	1 5	12	90
23	10	1 2	50	60	70	40	20	10	40	1 2	4 9	90
24	8 7	1 2	50	40	60	30	20	10	40	80	4 9	80
25	8 6	1 6	50	50	70	30	20	20	40	60	7 6	80
26	7 3	1 8	50	50	70	30	10	30	60	1 1	9 2	80
27	6 2	1 6	50	50	70	30	10	30	60	1 8	11	70
28	5 3	1 5	40	50	70	30	10	30	8 6	1 4	15	60
29	5 6	1 4	40	50	-----	40	10	30	16	1 8	11	70
30	4 6	1 4	40	50	-----	30	10	20	12	1 4	10	70
31	5 9	-----	40	40	-----	40	-----	20	-----	1 0	11	-----
TOTAL	438 2	43 9	21 70	16 20	28 90	15 30	7 40	6 20	51 30	19 60	169 10	68 40
MEAN	15 7	2 00	70	52	1 03	43	25	20	1 71	63	5 45	2 28
MAX	41	6 6	1 2	80	2 6	1 2	50	30	16	1 8	23	8 4
MIN	4 6	1 2	40	40	60	10	0	0	0	0	60	60
AC-FT	908	166	43	32	57	30	15	12	102	39	335	136
CAL YR 1960	TOTAL	9 2 1 70	MEAN	25 2	MAX	396	MIN	10	AC-FT	16 290		
WAT YR 1961	TOTAL	976 20	MEAN	26 7	MAX	41	MIN	0	AC-FT	1 940		

## 2-3065 Sweetwater Creek near Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.70	20	.20	.50	20	.30	.40	.20	60	.80	2.2	20
2	.60	20	20	.40	20	.40	.40	.10	50	.60	4.0	14
3	.60	20	20	.30	20	.30	.40	0	.40	.40	3.0	15
4	.60	20	20	.20	.20	.30	.40	0	.40	.40	3.0	15
5	.60	20	.20	20	.20	.30	.30	0	.30	.40	2.2	15
6	.60	60	.20	40	30	30	.30	20	.20	.40	2.0	17
7	.60	.50	20	.30	.20	.20	.60	.20	.30	.40	1.8	18
8	.60	.40	.40	.30	20	.20	.70	10	.20	.30	1.4	19
9	.60	.50	.20	.20	70	20	50	0	.20	.30	1.2	22
10	.60	40	.10	.20	1.0	.70	40	0	.40	.30	1.2	23
11	.50	30	10	.30	.50	20	.40	0	.40	.80	3.7	26
12	.60	.20	.10	.40	.30	.40	.40	0	.40	.50	7.3	33
13	.60	.20	20	30	30	.40	.20	.10	.30	.90	4.9	41
14	.60	.10	.20	.30	40	.20	30	.20	.20	.70	5.2	54
15	.50	20	.20	.30	.40	.60	20	.10	.20	.50	7.3	92
16	.40	.20	20	30	.50	1.3	20	.10	30	.40	10	93
17	.40	10	.20	.50	.20	.80	.20	0	.50	.40	21	84
18	.40	20	20	20	.40	.60	.20	0	.80	.30	24	77
19	.40	20	70	20	.40	50	.20	.3	.60	.50	19	72
20	.40	.20	.30	20	40	40	20	0	50	.40	16	105
21	.40	.20	30	.20	30	.30	.20	0	.80	.50	16	123
22	.40	.20	30	.20	.40	.20	0	0	.90	.40	19	111
23	.40	20	.20	.20	40	.60	.30	0	1.0	.30	26	104
24	.40	30	20	20	.40	60	10	.3	.70	30	27	102
25	.40	20	.20	.20	30	80	10	0	60	.20	34	94
26	.30	20	.20	.20	30	90	.10	.3	.50	.20	22	86
27	.30	20	.20	.20	.30	80	.10	0	50	.60	17	80
28	.20	20	.20	30	.30	.70	.20	0	.90	.50	17	72
29	.30	20	.20	.20	-----	.50	10	.20	1.1	.40	18	66
30	.30	20	.20	.20	-----	40	20	.70	.90	.30	19	61
31	.20	-----	30	.20	-----	40	-----	.30	-----	.50	23	-----
TOTAL	14.47	7.00	6.70	8.00	10.40	14.30	8.70	2.00	16.00	13.90	378.4	1,754
MEAN	.47	.25	.22	.26	.37	.46	.29	.065	.53	.45	12.2	58.5
MAX	.70	.60	.70	.30	1.0	1.3	.70	.30	1.1	.90	34	123
MIN	.20	10	10	20	.20	.20	.10	0	.20	.20	1.2	14
AC-FT	29	15	13	16	21	28	17	4.0	32	28	751	3,480
CAL YR 1961	TOTAL	411.40	MEAN	1.13	MAX	2.3	MIN	0	AC-FT	816		
WAT YR 1962	TOTAL	234.50	MEAN	0.12	MAX	1.23	MIN	0	AC-FT	4,430		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.38	.30	20	20	40	23	.40	70	.30	3.1	4.2	.80
2	.21	.24	.20	.20	40	27	.40	.60	.20	3.6	3.2	.70
3	.76	.20	.20	.20	1.2	32	.60	.20	60	1.4	5.1	.50
4	.35	.22	20	20	7.0	32	.70	50	.20	.80	10	.50
5	.40	1.6	.20	20	6.2	30	.60	.40	.30	.60	5.3	.40
6	.20	1.2	.20	.20	5.2	29	.40	40	.30	.40	5.5	1.6
7	.30	.30	.20	20	4.6	28	1.0	20	.30	.40	3.9	3.6
8	.20	1.0	.20	20	1.8	27	1.0	20	.30	.20	3.0	3.6
9	.90	1.6	.20	.20	3.0	30	.90	.20	.20	.70	2.4	3.0
10	1.4	1.6	.20	.20	2.6	36	.80	20	20	3.8	2.2	2.5
11	1.5	1.5	20	.20	2.6	38	.70	20	20	3.8	5.4	2.5
12	1.4	1.4	.20	20	17	36	.70	.20	10	3.8	4.7	2.4
13	1.3	1.4	20	20	21	33	.70	.20	.10	3.6	2.4	1.8
14	1.2	1.4	.20	.20	20	32	.70	.10	.10	4.6	2.2	1.5
15	1.0	1.0	20	20	3.0	30	.80	.10	.10	3.6	2.2	1.2
16	.92	.90	.20	.20	2.6	29	.70	10	10	5.3	2.0	1.0
17	.84	.90	.20	20	2.6	28	.80	10	0	9.6	1.7	1.0
18	7.6	.90	.20	.20	2.2	26	.80	60	0	8.7	1.4	2.4
19	6.0	.50	20	.20	3.3	24	.80	.30	0	7.6	1.2	10
20	5.9	.50	.20	.20	4.4	22	.80	20	0	4.9	1.0	11
21	5.2	.60	20	20	5.9	20	.80	10	0	3.0	1.0	7.1
22	6.6	1.4	20	.20	7.0	17	.80	90	0	3.3	1.2	5.7
23	7.0	1.0	20	.20	7.0	14	.70	90	0	43	.80	6.7
24	5.9	.80	20	30	7.6	12	.80	1.0	1.9	24	1.1	6.0
25	5.2	60	.20	30	9.2	11	.70	1.0	.70	10	2.5	5.3
26	4.4	.40	.20	.40	30	9.6	.70	50	.80	7.4	1.8	5.0
27	4.1	.40	20	.40	33	6.2	.70	.40	.70	5.0	1.5	5.0
28	3.3	.20	20	40	25	70	.60	.40	3.4	4.4	1.2	5.0
29	4.1	.20	20	40	-----	60	.20	.40	2.0	9.1	1.2	5.0
30	4.1	.30	.20	.40	-----	50	.50	.50	1.4	11	1.1	5.3
31	4.6	-----	.20	.40	-----	50	-----	.50	-----	7.1	1.0	-----
TOTAL	366.7	34.00	6.20	7.60	237.80	684.10	20.50	12.70	14.10	197.30	83.40	108.10
MEAN	11.8	1.13	.20	.25	8.49	22.1	.68	.41	.47	6.36	2.69	3.60
MAX	40	1.6	.20	.40	33	38	1.0	1.0	3.4	43	10	11
MIN	2.0	.20	.20	.20	50	50	.20	.10	0	20	.80	40
AC-FT	727	67	12	15	472	1,360	41	25	28	391	165	214
CAL YR 1962	TOTAL	2,612.60	MEAN	7.16	MAX	1.23	MIN	0	AC-FT	5,180		
WAT YR 1963	TOTAL	1,772.50	MEAN	4.86	MAX	.43	MIN	0	AC-FT	3,520		

## 2-3065 Sweetwater Creek near Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.3	0	.90	15	10	31	3.9	1.7	.60	1.7	23	17
2	5.7	0	.60	10	9.5	29	3.2	.28	.80	1.2	34	15
3	6.0	0	.50	8.0	9.5	32	4.4	.78	.80	1.1	26	14
4	6.0	0	.50	6.0	15	40	6.7	18	.70	.80	19	18
5	5.7	0	.40	5.0	24	41	7.7	12	.90	.70	15	23
6	4.7	.20	.40	4.0	29	39	7.4	9.5	1.1	.70	12	33
7	3.6	0	.20	6.0	28	36	7.4	7.4	1.0	.60	2.4	30
8	3.6	0	.20	4.0	33	36	6.4	6.0	.80	.50	7.4	29
9	3.2	0	.20	4.0	30	32	6.0	4.7	.80	.50	12	30
10	2.5	8.7	10	2.8	26	30	5.0	3.9	.80	.40	18	45
11	2.2	3.2	.10	2.8	25	37	4.4	3.2	1.4	.50	30	56
12	1.7	6.0	0	10	22	24	3.9	2.2	.30	.50	31	58
13	1.4	4.7	.10	18	22	57	4.2	.60	.20	.40	26	72
14	1.1	4.4	.10	16	22	29	5.0	.60	.40	.40	23	73
15	.90	3.6	.20	10	22	17	4.4	.50	.30	.40	21	70
16	.70	3.4	.10	3.6	22	14	3.9	.50	.20	.50	19	66
17	.60	3.2	0	15	20	18	3.2	.40	.30	.70	17	65
18	.40	2.0	.10	24	24	7.1	2.5	.40	.30	.80	15	60
19	.30	2.4	.10	19	32	1.4	2.4	.50	.20	.50	15	56
20	.20	2.4	0	18	26	5.9	2.0	.70	.20	.40	24	52
21	0	2.2	0	17	24	7.1	1.7	.80	.20	.40	41	48
22	0	1.6	0	15	22	5.0	1.4	.90	.20	.40	41	45
23	0	1.7	0	14	19	4.2	1.2	.80	.40	1.0	36	42
24	0	1.7	1.0	14	17	3.6	1.2	.80	.60	4.0	33	38
25	0	1.7	3.0	14	15	3.2	1.1	.70	.40	10	30	34
26	0	1.0	2.0	14	26	3.2	1.1	.60	.30	20	29	24
27	0	1.7	1.0	13	34	5.0	1.0	.50	.30	30	25	6.7
28	0	1.5	1.0	13	34	4.1	1.5	.50	.20	22	21	11
29	0	2.0	1.0	12	32	4.6	1.5	.60	.20	10	17	20
30	0	1.2	1.0	12	32	1.2	1.2	.60	1.0	5.3	16	21
31	0	-----	20	11	-----	18	-----	.70	-----	11	16	-----
TOTAL	55.60	62.30	43.90	362.2	676.0	749.7	106.9	136.30	15.90	127.40	692.8	1,171.7
MEAN	1.80	2.08	1.42	11.7	21.3	24.2	3.56	4.40	.53	4.11	22.3	39.1
MAX	6.0	8.7	6.0	24	34	56	7.7	28	1.4	30	41	73
MIN	0	0	0	0	4.5	1.4	1.0	0	.40	.20	2.4	6.7
AC-FT	111	124	67	718	1,340	1,490	212	270	32	253	1,370	2,320
CAL YR 1963	TOTAL	1,527.60	MEAN	4.19	MAX	43	MIN	0	AC-FT	3,030		
WAT YR 1964	TOTAL	4,200.90	MEAN	11.5	MAX	73	MIN	0	AC-FT	8,330		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	26	.70	1.0	1.1	.90	.80	.50	0	0	0	5.0	19
2	24	.70	1.0	1.1	1.4	1.8	.50	0	0	0	2.5	22
3	20	.80	.90	1.0	1.5	2.4	.50	0	0	0	2.2	32
4	18	.80	.90	1.0	1.1	2.8	.40	.10	0	0	2.6	21
5	18	.80	2.8	.90	.90	2.0	.10	0	0	0	5.3	17
6	10	.70	1.5	.90	.90	1.7	.20	0	0	0	2.8	14
7	13	.70	1.1	.90	1.4	1.5	.20	0	0	0	2.8	12
8	12	.70	1.0	.90	1.2	1.4	.30	0	0	0	3.9	12
9	12	.70	1.0	.90	1.0	1.1	.40	0	0	0	5.7	18
10	11	.70	.90	.90	.90	1.0	.40	0	0	0	7.4	18
11	9.9	.70	.70	.90	.80	.80	.50	0	.40	0	8.4	14
12	3.1	.80	.80	.90	.80	.90	.40	0	.40	0	10	12
13	8.4	.70	.80	.90	.80	1.5	.40	0	.20	0	15	11
14	4.4	.50	.90	.90	.80	2.2	.40	0	0	0	36	12
15	8.4	.40	1.0	1.2	.80	1.5	.10	0	0	0	54	14
16	7.7	.50	.70	1.2	.70	1.2	.20	0	0	0	54	12
17	7.1	.60	.40	.90	.70	1.2	.10	0	0	.20	50	12
18	6.0	.60	.70	.90	.80	1.2	.10	0	0	.10	46	12
19	5.7	.90	.70	.90	.70	.90	0	0	0	0	30	11
20	5.0	1.1	.70	.90	.50	.90	0	0	0	0	31	9.9
21	4.4	1.4	.80	.90	.90	.80	0	0	0	.30	43	9.1
22	3.9	1.2	.90	.90	.50	.80	.30	0	0	.20	51	8.8
23	3.6	1.0	.90	.90	1.2	.80	.20	0	0	0	43	8.8
24	3.0	1.0	.90	.90	1.8	.70	.20	0	0	0	37	12
25	3.2	1.1	.90	1.0	1.5	.70	.40	0	0	0	32	14
26	3.0	1.0	.90	.90	1.0	.60	.40	0	0	0	27	13
27	2.8	1.0	1.5	.90	.90	.50	.20	0	0	0	33	12
28	2.5	.90	1.4	.90	.90	.50	.10	0	0	0	35	10
29	2.0	1.0	1.2	.90	-----	.50	.10	0	0	.20	30	9.5
30	.70	1.0	1.1	.90	-----	.50	0	0	0	3.4	26	9.1
31	.70	-----	1.1	.90	-----	.50	-----	0	-----	8.1	22	-----
TOTAL	275.50	24.70	31.00	29.20	26.90	35.80	7.60	0.10	1.00	12.50	753.6	411.2
MEAN	8.89	.82	1.00	.94	.96	1.15	.25	.003	.033	.40	24.3	13.7
MAX	26	1.4	2.8	1.2	1.8	2.8	.50	.10	.40	8.1	54	32
MIN	.70	.40	.40	.90	.50	.50	0	0	0	0	2.2	8.8
AC-FT	546	49	61	58	53	71	15	.2	2.0	25	1,490	816
CAL YR 1964	TOTAL	4,370.10	MEAN	11.9	MAX	73	MIN	.20	AC-FT	8,670		
WAT YR 1965	TOTAL	1,609.10	MEAN	4.41	MAX	54	MIN	0	AC-FT	3,190		

2-3070 Rocky Creek near Sulphur Springs, Fla

Location --Lat 28°02'23", long 82°34'31", in N<sub>2</sub> sec 23, T 28 S, R 17 E, on left bank 100 ft up-stream from Seaboard Highway bridge, 2.5 miles downstream from Brushy Creek, and 7.7 miles north-west of Sulphur Springs Post Office, Hillsborough County

Drainage area --35 sq mi, approximately

Records available --January 1953 to September 1965

Gage --Water-stage recorder Datum of gage is 0.15 ft below mean sea level, datum of 1929

Average discharge --12 years, 45.0 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (350 cfs, revised), January 1953 to September 1965

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Aug 13, 1953	1430	358	8.40	Oct 3, 1957	1700	* 351	8.31	Aug 28, 1961	1900	* 245	6.31
Aug 17, 1953	1400	576	10.79					Aug 17, 1962	1930	558	9.68
Sept 17, 1953	1430	496	9.96	Mar 13, 1959	0600	362	8.44	Aug 23, 1962	2000	495	9.05
Sept 27, 1953	2130	a 697	12.00	June 19, 1959	0430	391	8.59	Sept 15, 1962	1230	542	9.52
Oct 1, 1953	1730	389	8.77	July 15, 1959	1600	371	8.30	Sept 21, 1962	0830	* 946	12.38
Aug 30, 1954	0900	* 492	9.92	July 20, 1959	1100	429	9.13				
Sept 3, 1955	1800	b 138	c 5.25	Aug 10, 1959	0700	* 1,380	14.23	July 24, 1963	0500	* 401	8.73
Sept 10, 1956	1430	* 46	d 3.87	Aug 18, 1959	1400	637	11.28	Mar 29, 1964	0930	354	8.05
June 10, 1957	0030	376	8.61	Sept 10, 1959	1030	745	11.90	July 27, 1964	1030	523	10.32
July 26, 1957	2100	356	8.38	Sept 16, 1959	2200	574	10.84	Aug 4, 1964	1830	356	8.09
Aug 6, 1957	0830	* 521	10.22	Aug 9, 1960	1330	559	9.69	Sept 11, 1964	1230	* 643	11.32
Sept 28, 1957	2100	379	8.65	Sept 11, 1960	1500	* 1,170	13.20	Aug 1, 1965	0830	* 747	11.91

a Maximum discharge for period Jan 1 to Sept 30, 1953

b Maximum peak discharge, maximum daily discharge during year, 142 cfs Oct 1, 1954 maximum gage height,

c 43 ft Oct 1, 1954 (affected by tide), stage falling

d Affected by tide

e Maximum gage height during year, 3.97 ft Sept 25, 1956 (affected by tide)

Annual minimum discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Apr 20, 1961	1.0	2.41	1963	Apr 30, 1963	1.1	a 1.78
1962	May 5, 8-12, 24-29, 1962	1.9	3.18	1964	June 22, 23, 1964	4.9	b 1.19
				1965	June 6, 1965	2.9	1.21

a Occurred Sept 17, 1963

b Occurred Nov 3, 1963

1953-65 Maximum discharge, 2,840 cfs July 29, 1960 (gage height, 17.03 ft) minimum daily, 0.40 cfs May 12-16, June 9, 10, 1955, minimum gage height, 1.19 ft Nov 3, 1963

Remarks --Records fair except those prior to Oct 1, 1961, those below 20 cfs and those for period of shifting control, which are poor Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	UCT	NLV.	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	76	21	5.6	5.8	5.0	4.7	5.2	1.8	1.6	3.7	45	119
2	71	18	5.4	5.9	5.0	4.9	5.3	1.4	1.7	3.9	31	91
3	67	16	5.2	5.7	5.8	5.2	4.9	1.4	1.8	3.7	76	85
4	60	14	5.0	5.3	14	5.3	4.1	1.3	1.9	4.0	72	76
5	54	13	4.9	5.0	12	5.2	3.6	1.4	2.1	3.8	50	68
6	50	12	4.4	4.9	11	0.0	3.6	1.4	2.1	4.2	30	61
7	50	12	4.7	4.8	13	6.0	3.8	1.2	2.2	4.0	18	54
8	51	11	4.6	4.9	27	7.2	3.8	1.6	2.5	4.1	14	48
9	50	11	4.5	5.7	20	7.0	4.0	1.9	2.8	4.2	17	57
10	66	11	4.3	7.2	13	0.5	3.2	2.5	3.5	4.3	16	60
11	62	10	4.2	6.2	17	6.0	2.7	2.4	3.8	4.4	16	48
12	47	10	4.7	5.8	11	6.3	3.2	2.4	3.3	4.4	18	43
13	39	10	4.1	6.0	9.8	6.1	3.1	1.4	4.0	4.3	20	43
14	34	7.8	4.0	8.6	1.2	14	2.8	1.4	3.9	4.1	18	37
15	30	7.6	4.2	8.5	6.6	17	2.8	2.2	3.5	5.0	16	37
16	29	9.4	7.0	7.0	8.3	10	1.6	1.8	3.8	4.8	20	54
17	29	9.2	6.7	6.3	7.7	9.6	1.4	1.7	3.5	4.6	26	54
18	26	7.0	5.4	5.7	7.5	9.0	1.4	1.6	3.0	4.5	34	48
19	23	3.6	4.5	5.5	7.0	8.5	1.2	1.7	3.5	5.4	42	43
20	22	8.4	4.2	5.4	6.3	8.3	1.1	1.6	3.2	10	179	39
21	21	8.0	6.2	5.7	5.9	8.5	1.2	1.7	3.0	70	124	35
22	21	7.6	11	5.7	5.2	8.8	1.3	2.1	2.7	100	46	32
23	17	7.2	8.1	5.4	5.3	8.3	1.4	2.1	2.5	84	44	29
24	18	7.0	7.0	5.3	5.2	7.9	1.4	2.3	2.5	60	54	26
25	17	7.4	6.5	5.2	5.2	7.2	1.5	2.2	2.5	40	105	24
26	17	8.0	6.0	5.0	5.2	5.9	1.6	2.2	3.0	30	126	22
27	14	7.2	5.7	5.4	5.2	5.7	1.6	2.2	2.9	52	139	21
28	14	6.6	5.7	5.3	4.7	5.3	1.6	1.8	3.5	80	191	19
29	14	6.2	5.5	5.3	-----	4.7	1.7	1.6	3.5	70	191	18
30	14	6.0	5.4	5.3	-----	4.1	1.7	1.7	3.5	90	107	16
31	16	-----	5.3	5.3	-----	4.3	-----	1.7	-----	80	124	-----
TOTAL	1,117	304.2	170.0	179.1	255.1	222.1	77.8	55.7	87.3	847.4	2,009	1,407
MEAN	36.0	10.1	5.48	5.78	8.11	7.16	2.39	1.80	2.71	27.3	64.8	46.9
MAX	76	21	11	8.6	27	14	5.3	2.5	4.0	100	191	119
MIN	14	6.0	4.0	4.8	4.7	4.1	1.1	1.2	1.6	3.7	14	16
CFSM	1.03	.29	.16	.17	.26	.20	.07	.05	.08	.78	1.85	1.34
IN.	1.19	.32	.18	.19	.27	.24	.08	.06	.09	.90	2.13	1.50
CAL YR 1960	TOTAL	34,463.3	MEAN	94.2	MAX	2,290	MIN	2.9	CFSM	2.69	IN	36.62
WAT YR 1961	TOTAL	6,731.7	MEAN	18.4	MAX	191	MIN	1.1	CFSM	.23	IN	7.15

Note --No gage-height record Nov 18 to Dec 15, June 8 to Aug 1

## 2-3070 Rocky Creek near Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV.	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	15	3.0	3.1	11	5.5	5.2	8.6	7.5	3.3	35	26	214
2	14	3.0	3.1	14	5.5	5.2	9.1	2.2	3.8	30	35	184
3	13	3.1	3.1	12	5.5	5.2	9.1	2.2	3.6	27	51	151
4	12	2.9	3.1	10	5.2	5.2	8.2	2.1	4.0	26	39	128
5	11	2.9	3.1	9.1	5.2	4.9	7.8	2.2	3.6	25	35	121
6	11	3.8	3.1	9.1	5.5	4.6	7.4	2.2	3.3	24	31	114
7	11	10	3.1	9.6	5.8	4.0	7.8	2.1	4.3	24	24	109
8	10	7.0	3.1	10	6.2	4.0	14	2.1	5.5	23	19	102
9	8.0	4.6	3.1	9.6	8.7	4.0	13	1.9	4.9	22	18	93
10	6.2	4.0	4.0	8.6	22	4.0	11	1.9	4.3	20	17	78
11	7.4	3.8	4.0	8.6	18	4.3	8.6	1.9	4.0	19	21	62
12	4.2	3.8	4.0	11	12	4.6	7.4	1.9	4.3	18	209	84
13	8.2	3.6	4.6	12	9.6	4.0	6.6	2.6	9.1	18	208	106
14	7.4	3.0	4.3	11	8.6	4.0	5.5	3.1	8.6	20	114	123
15	7.4	3.3	4.0	10	7.8	5.2	4.9	2.9	7.0	24	99	443
16	7.0	3.3	4.0	9.6	7.3	40	4.3	2.6	6.6	26	196	305
17	7.0	3.3	3.8	9.1	12	43	4.0	2.6	7.0	26	407	199
18	6.6	3.1	4.0	8.6	13	26	4.0	2.5	11	26	447	179
19	6.1	2.9	2.4	8.2	11	18	3.8	2.2	16	25	346	150
20	5.5	3.1	3.6	8.2	9.6	12	3.6	2.2	15	24	303	274
21	5.5	3.3	19	8.2	8.2	11	3.1	2.2	16	24	260	825
22	5.5	3.1	12	7.8	7.4	9.1	3.1	2.2	30	22	259	500
23	5.5	3.6	10	7.4	7.0	11	2.9	2.1	90	20	404	327
24	5.5	4.3	8.6	6.6	6.6	14	2.9	2.1	145	19	405	362
25	5.2	4.0	7.8	6.2	6.2	15	2.6	1.9	121	19	339	293
26	4.9	3.8	7.0	6.2	5.0	22	2.6	1.9	96	17	332	734
27	4.3	3.3	7.0	6.2	5.8	19	2.6	1.9	67	17	274	199
28	4.0	3.3	7.0	6.2	5.5	14	2.5	2.1	49	17	224	169
29	3.3	3.3	7.0	6.2	5.5	12	2.5	2.1	41	51	225	148
30	3.8	3.1	7.0	6.6	6.6	10	2.5	2.5	41	33	213	137
31	3.0	-----	7.0	5.8	-----	9.1	-----	2.6	-----	27	189	-----
TOTAL	237.8	114.1	724.0	273.5	237.0	353.6	176.0	69.5	825.2	745	5,764	6,393
MEAN	7.6	3.6	23.0	8.6	7.3	11.4	5.5	2.2	25.5	24.0	186	213
MAX	15	10	36	14	22	43	14	3.1	145	51	442	825
MIN	3.0	2.9	3.1	5.8	5.2	4.0	2.5	1.9	3.3	14	17	62
CFSM	2.6	11	21	25	24	33	17	0.6	79	69	5.31	6.09
IN.	2.5	12	24	29	29	38	19	07	88	79	6.12	6.79

CAL YR 1961 TOTAL 5,716.4 MEAN 15.7 MAX 191 MIN 1.1 CFSM .45 IN 6.07  
WAT YR 1962 TOTAL 1,412.7 MEAN 42.7 MAX 825 MIN 1.9 CFSM 1.21 IN 16.38

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

LAY	OCT	NOV.	DEC	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	132	11	7.0	7.0	8.6	95	12	1.6	1.4	8.9	74	14
2	122	10	7.6	6.6	8.2	96	11	1.8	1.5	9.2	67	14
3	115	10	7.4	6.3	8.6	179	11	1.9	1.4	9.4	58	14
4	109	11	7.0	6.0	21	139	9.4	2.1	1.4	8.4	59	14
5	104	11	6.8	5.8	26	118	8.9	2.1	1.4	7.2	52	14
6	98	10	6.8	6.0	21	111	8.2	2.0	1.6	5.6	39	15
7	95	9.4	6.5	8.4	20	108	7.8	1.7	1.8	4.4	32	22
8	72	9.4	6.3	9.2	20	101	7.4	1.6	3.0	3.9	28	23
9	60	14	6.5	8.2	19	98	6.6	1.6	6.6	4.7	24	20
10	49	16	6.3	7.6	19	129	6.3	1.6	4.3	9.3	21	18
11	40	14	6.1	7.2	20	119	6.0	1.6	3.4	59	22	17
12	35	12	6.3	6.8	74	103	5.5	1.6	2.8	38	26	15
13	30	13	6.5	6.8	93	95	4.6	1.6	2.5	24	20	14
14	27	13	6.8	6.6	51	109	4.1	1.6	2.3	22	18	13
15	25	11	6.8	6.5	36	95	3.6	1.5	2.1	26	19	13
16	22	11	6.8	6.5	32	62	3.3	1.5	2.0	44	20	11
17	20	10	6.8	6.3	33	51	2.8	1.5	1.9	75	19	11
18	19	9.4	6.8	6.0	32	43	2.7	1.5	1.7	100	18	14
19	17	9.4	6.6	5.8	33	36	2.4	1.5	1.6	91	19	21
20	16	9.4	6.5	5.4	47	32	2.4	1.5	1.6	82	19	22
21	14	9.2	6.3	5.8	37	28	2.4	1.6	1.6	72	18	24
22	14	11	6.1	6.8	31	25	2.0	1.6	1.6	72	17	20
23	15	11	6.0	6.8	27	24	1.8	1.8	1.7	217	17	20
24	14	9.4	6.0	14	26	21	1.7	1.8	2.0	378	16	25
25	13	4.9	6.0	13	26	20	1.6	2.0	3.3	341	16	31
26	12	8.2	8.8	11	62	19	1.5	2.6	7.4	241	24	29
27	11	8.0	13	13	206	17	1.4	2.8	7.2	170	21	27
28	10	7.8	11	13	117	16	1.2	2.0	10	133	18	27
29	9.4	7.8	9.4	11	-----	15	1.2	1.8	17	116	16	32
30	9.2	7.8	8.4	9.7	-----	14	1.2	1.6	12	105	15	25
31	11	-----	7.6	9.2	-----	13	-----	1.6	-----	87	15	-----
TOTAL	1,329.6	313.1	223.6	248.3	1,160.4	2,131	142.0	54.6	110.1	2,564.0	848	580
MEAN	42.9	10.4	7.21	8.01	41.4	68.7	4.73	1.76	3.67	82.7	27.4	19.3
MAX	132	16	13	14	206	179	12	2.8	17	378	74	32
MIN	9.2	6.0	6.0	5.4	8.2	13	1.2	1.5	1.4	3.9	15	11
CFSM	1.23	30	21	23	1.18	1.96	1.4	.05	1.0	2.36	.78	.55
IN.	1.41	33	24	26	1.21	2.26	.15	.06	.12	2.72	.90	.62

CAL YR 1962 TOTAL 16,703.1 MEAN 45.8 MAX 825 MIN 1.9 CFSM 1.31 IN 17.75  
WAT YR 1963 TOTAL 9,704.7 MEAN 26.6 MAX 378 MIN 1.2 CFSM .76 IN 10.31

Note --Stage-discharge relation affected by tide July 27 to Sept 23

## 2-3070 Rocky Creek near Sulphur Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	21	5.4	12	24	50	53	138	22	5.5	15	213	58
2	19	5.2	12	22	44	49	133	143	5.5	50	208	67
3	17	5.0	11	19	43	46	129	257	5.3	69	181	59
4	16	5.0	11	18	66	43	121	159	5.3	54	144	256
5	14	5.2	10	17	173	42	115	117	5.4	39	117	280
6	13	5.7	9.8	16	295	39	109	96	5.6	44	95	316
7	12	6.2	9.2	20	246	37	100	84	5.8	42	81	250
8	12	6.0	9.0	27	277	34	92	76	5.6	38	74	174
9	9	5.8	6.7	28	268	33	83	70	5.6	36	64	142
10	20	4.6	8.4	28	203	32	76	64	5.4	34	54	211
11	17	6.0	8.0	29	178	29	70	56	5.4	32	50	556
12	11	6.4	8.0	179	160	28	63	50	5.8	30	47	437
13	7.8	52	8.0	307	144	26	56	44	5.6	29	43	450
14	7.1	36	8.1	183	130	25	52	38	5.4	27	38	445
15	6.6	23	6.4	129	118	24	46	32	5.7	26	35	372
16	6.4	23	8.1	112	108	23	40	26	5.2	24	37	335
17	6.2	21	8.4	124	98	27	35	22	5.2	24	29	268
18	6.0	20	9.8	145	107	30	31	19	5.2	26	28	208
19	6.0	19	9.8	132	171	26	28	17	5.0	30	29	170
20	6.0	17	8.7	120	141	30	26	15	5.0	32	84	145
21	5.8	20	8.1	133	111	30	24	14	5.0	28	137	124
22	5.8	19	8.0	120	98	25	23	12	5.0	27	142	110
23	5.6	17	8.8	104	91	22	21	11	5.2	79	111	93
24	5.6	16	17	94	82	21	20	10	6.0	135	83	85
25	5.5	16	18	84	76	20	19	8.8	6.0	123	72	80
26	5.5	16	15	78	70	21	18	8.0	6.0	241	81	73
27	5.5	16	14	74	66	23	18	7.2	5.6	484	68	65
28	5.2	21	14	68	64	103	14	6.5	5.4	349	56	59
29	5.2	20	14	64	58	31.6	24	6.2	5.4	307	44	52
30	5.0	14	14	55	-----	200	24	6.0	5.6	269	33	49
31	5.1	-----	17	51	-----	155	-----	5.6	-----	237	29	-----
TOTAL	294.5	612.5	334.3	2,604	3,736	1,614	1,752	1,502.3	163.2	2,975	2,502	5,989
MEAN	204.4	18.5	86.0	124	124	52.1	58.4	48.5	5.44	96.0	80.7	200
MAX	21	6.4	18	307	295	316	138	257	6.0	484	213	556
MIN	5.0	3.0	8.0	16	43	20	18	5.6	5.0	15	28	49
CFSM	27	5.3	31	2.40	3.68	1.49	1.67	1.38	16	2.74	2.31	5.70
IN	31	65	36	2.77	3.97	1.71	1.86	1.60	17	3.16	2.66	6.36
CAL YR 1964	TOTAL	9,079.7	MEAN	24.9	MAX	37.6	MIN	1.2	CFSM	7.1	IN	9.65
WAT YR 1964	TOTAL	24,074.8	MEAN	65.8	MAX	556	MIN	5.0	CFSM	1.88	IN	25.59

Note --Stage-discharge relation affected by tide below 200 cfs during most of the year Shifting-control method used May 11 to July 3

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	45	7.5	4.4	10	5.0	10	8.0	3.1	3.0	8.4	664	58
2	47	7.5	4.8	8.8	6.3	11	7.8	3.1	3.1	7.5	486	50
3	53	6.8	7.2	14	8.1	14	7.5	3.1	3.1	10	444	44
4	50	7.2	4.8	7.8	8.1	18	7.0	3.2	3.0	14	402	46
5	50	7.4	2.0	7.5	7.4	16	6.8	3.2	3.0	15	444	46
6	47	7.2	3.1	7.2	7.2	14	6.3	3.2	2.9	13	421	31
7	43	18	18	6.9	9.1	13	5.8	3.2	3.1	11	325	22
8	49	6.4	13	6.6	11	12	5.4	3.1	4.4	10	270	18
9	47	6.1	10	6.4	12	12	5.1	3.0	4.4	9.8	230	30
10	54	6.0	8.6	6.3	10	12	4.8	3.0	4.3	9.3	205	54
11	32	5.9	7.8	6.0	8.5	11	4.6	3.0	12	9.3	190	31
12	31	5.7	7.4	6.0	7.4	10	4.4	3.0	19	10	178	22
13	26	5.5	7.2	6.0	7.2	11	4.2	3.0	15	19	190	18
14	27	5.3	7.0	6.0	7.4	28	4.1	3.0	13	28	196	24
15	27	5.2	8.1	10	8.1	24	3.9	3.0	10	23	188	46
16	26	5.0	7.5	16	7.8	17	4.8	3.0	9.0	17	180	50
17	24	4.9	6.9	13	7.4	15	3.8	3.0	7.5	18	174	46
18	22	4.8	6.6	11	7.2	13	3.3	3.0	6.8	81	166	54
19	22	4.8	6.4	9.7	7.0	12	3.3	3.0	8.0	58	146	50
20	21	4.8	6.0	8.5	6.6	17	3.2	3.0	11	29	125	42
21	19	4.9	5.9	7.8	5.9	12	3.2	3.0	9.6	24	106	31
22	18	5.4	5.8	7.2	5.8	11	3.2	3.0	8.0	60	96	24
23	16	5.3	5.6	6.9	7.8	11	3.2	3.0	7.2	97	93	22
24	16	5.2	5.6	7.2	7.2	10	3.2	3.0	7.2	43	88	30
25	16	5.7	5.6	12	21	10	3.5	3.1	6.8	26	78	37
26	15	5.1	5.4	12	15	9.8	4.2	3.2	6.9	23	70	36
27	13	5.0	12	11	13	9.4	4.5	3.3	9.4	22	65	31
28	12	4.9	24	9.1	12	9.2	4.0	3.1	12	31	65	29
29	11	5.0	18	8.5	-----	9.0	3.4	3.1	10	97	63	28
30	11	4.8	14	7.8	-----	8.7	3.2	3.3	9.0	238	66	26
31	9.4	-----	12	6.9	-----	8.4	-----	3.1	-----	447	68	-----
TOTAL	861.4	172.9	304.8	264.2	265.0	392.5	139.7	95.3	231.8	1,508.3	6,482	1,076
MEAN	27.8	5.76	9.83	8.52	9.46	12.7	4.66	3.07	7.73	48.7	209	35.9
MAX	53	7.5	31	16	22	28	8.0	3.3	19	447	664	58
MIN	4.4	4.8	6.0	5.3	8.4	3.2	3.0	2.9	7.5	6.3	18	18
CFSM	79	16	28	24	27	36	13	09	22	1.39	5.97	1.02
IN	97	14	32	28	28	42	15	10	25	1.60	6.89	1.14
CAL YR 1964	TOTAL	4,170.0	MEAN	66.1	MAX	556	MIN	4.8	CFSM	1.89	IN	25.69
WAT YR 1965	TOTAL	11,793.9	MEAN	32.3	MAX	604	MIN	2.9	CFSM	1.92	IN	12.53

Note --Stage-discharge relation affected by tide below 300 cfs during most of the year Shifting-control method used Dec 17 to Mar 3, Aug 20 to Sept 30



2-3073 59 (revised) Brooker Creek near Tarpon Springs, Fla

Location --Lat 28°05'45", long 82°41'15", in sec 27, T 27 S, R 16 E, on right bank 80 ft downstream from bridge on private road, 1.8 miles upstream from Lake Tarpon, and 5 miles southeast of Tarpon Springs, Pinellas County

Drainage area --30 sq mi, approximately

Records available --August 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to Apr 14, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 28 6 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Gage height (feet)	
1961	Oct 10, 1960	a 66	b 10 66	May 25, 26, 1961		6 72
1962	Sept 21, 1962	172	11 41	May 29, 1962		6 78
1963	July 24, 1963	154	11 32	June 21, 1963		6 69
1964	Sept 12, 1964	532	12 26	June 17, 18, 19, 1964		7 26
1965	Aug 1, 1965	700	12 35	June 7, 1965		6 81

a Maximum peak discharge, maximum discharge during year, 69 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960

No flow for many days each year

1950-65 Maximum discharge, 1,600 cfs Mar 17, 1960 (gage height, 13 32 ft), no flow for many days in most years, minimum gage height, 6 20 ft June 15, 1956

Remarks --Records fair above 2 cfs and poor below Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	67	13	1.5	3.2	1.6	1.7	.20	0	0	0	.40	9.2
2	64	15	1.3	2.9	1.6	1.6	10	0	0	0	.50	7.4
3	59	13	1.2	2.6	1.4	1.4	.10	0	0	0	.80	5.5
4	54	14	1.0	2.4	1.3	1.3	0	0	0	0	1.0	7.3
5	50	12	.80	2.2	5.1	1.2	0	0	0	0	.80	14
6	47	11	.80	2.1	6.0	1.0	0	0	0	0	.50	20
7	46	11	.80	2.0	9.1	.80	.10	0	0	0	.30	21
8	48	0 d	.50	1.9	13	70	0	0	0	0	.30	24
9	53	1.0	.40	2.6	16	.80	0	0	0	0	1.0	29
10	60	7.1	.40	2.6	17	30	0	0	0	0	1.4	32
11	64	6.4	.40	2.7	10	.20	0	0	0	0	1.2	31
12	61	7.8	.40	2.9	14	20	0	0	0	0	1.0	33
13	58	7.4	.30	3.5	11	40	0	0	0	0	.70	40
14	56	4.9	.20	3.8	9.5	1.8	0	0	0	0	.50	42
15	51	4.5	.30	3.7	8.5	1.9	0	0	0	0	.40	40
16	47	4.2	.40	3.7	6.4	1.9	0	0	0	0	.50	37
17	44	4.3	.30	3.6	5.9	1.8	0	0	0	0	.50	34
18	39	4.0	.30	3.4	5.1	1.8	0	0	0	0	.50	30
19	36	3.6	.20	3.1	4.4	2.1	0	0	0	.40	1.5	26
20	32	3.2	.20	3.1	3.9	2.0	0	0	0	1.6	4.6	23
21	29	3.1	1.9	2.9	3.5	1.8	0	0	0	1.3	4.1	19
22	25	2.9	4.1	2.6	3.2	1.6	0	0	0	1.2	4.2	16
23	22	2.8	5.0	2.4	2.8	1.4	0	0	0	.70	4.2	14
24	20	2.6	5.6	2.2	2.5	1.2	0	0	0	1.5	4.3	11
25	18	2.4	5.6	2.2	2.4	.90	0	0	0	3.5	6.6	9.1
26	16	2.2	5.3	2.0	2.2	.60	0	0	0	2.5	14	8.4
27	14	2.1	4.9	1.9	2.0	.40	0	0	0	2.9	36	9.5
28	12	2.0	4.5	1.8	1.8	.20	0	0	0	1.8	31	14
29	11	1.8	3.9	1.8	-----	.10	0	0	0	1.4	25	14
30	10	1.8	3.5	1.8	-----	0	0	0	0	1.3	18	14
31	12	-----	3.2	1.7	-----	0	-----	0	-----	.80	12	-----
TOTAL	1,236	183.9	59.00	81.3	181.9	32.90	0.50	0	0	20.90	177.80	634.4
MEAN	39.9	6.13	1.90	2.62	6.50	1.06	.017	0	0	.67	5.74	21.1
MAX	67	15	5.6	3.8	17	2.1	.20	0	0	3.5	36	42
MIN	10	1.8	.20	1.7	1.6	0	0	0	0	0	.30	5.5
CFSM	1.33	.20	.06	.09	.22	.04	.0005	0	0	.02	.19	.70
IN.	1.53	.23	.07	.10	.23	.04	.0006	0	0	.03	.22	.79
CAL YR 1960	TOTAL	26,259.70	MEAN	71.7	MAX	1,540	MIN	0	CFSM	2.39	IN	32.55
WAT YR 1961	TOTAL	2,608.60	MEAN	7.15	MAX	67	MIN	0	CFSM	.24	IN	3.23

2-3073 59 Brooker Creek near Tarpon Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12	.40	0	.80	.30	.20	1.2	0	0	.20	0	28
2	12	.30	0	1.0	.30	.20	1.2	0	0	.10	0	27
3	11	.20	0	1.0	.30	.40	.90	0	0	0	0	29
4	10	.20	0	.80	.30	.30	.80	0	0	0	0	29
5	9.5	10	0	.80	.30	.20	.60	0	0	0	0	32
6	8.8	.20	0	.80	.30	.20	.40	0	0	0	0	32
7	8.3	.30	0	1.0	.30	.20	1.0	0	0	0	0	32
8	7.4	.30	0	.80	.30	.10	1.9	0	0	0	0	32
9	6.5	.20	0	.70	.40	.10	1.8	0	0	0	0	36
10	5.9	.20	0	.70	.60	.10	1.5	0	0	0	0	41
11	5.4	10	0	.90	.40	.10	1.2	0	.10	0	0	46
12	5.6	.10	0	1.5	.40	.10	.90	0	0	0	0	55
13	5.5	0	0	1.6	.40	.10	.70	0	0	0	0	59
14	4.8	0	0	1.5	.40	.10	.40	0	.20	0	0	68
15	4.0	0	0	1.5	.40	.60	.30	0	.10	0	0	71
16	4.6	0	0	1.5	.80	3.3	.20	0	0	0	0	64
17	3.2	0	0	1.3	1.1	3.2	.10	0	.30	0	0	56
18	3.0	0	10	1.2	.90	2.4	.10	0	.30	0	0	50
19	2.6	0	.50	1.1	.80	1.9	0	0	.40	0	0	44
20	2.3	0	.50	1.0	.60	1.7	0	0	.40	0	0	71
21	2.0	0	.40	.90	.50	1.5	0	0	.80	0	0	160
22	1.8	0	.40	.90	.40	1.5	0	0	.90	0	0	154
23	1.6	0	.30	.80	.40	2.8	0	0	.60	0	0	148
24	1.4	0	.20	1.8	.40	3.2	0	0	1.3	0	.80	148
25	1.2	0	.20	1.0	.30	3.0	0	0	1.9	0	5.8	156
26	1.1	0	.20	.70	.30	1.0	0	0	1.7	0	16	128
27	.90	0	.20	.50	.20	2.6	0	0	1.5	0	23	103
28	.80	0	.20	.70	.20	2.0	0	0	1.0	0	34	85
29	.70	0	.20	.60	-----	1.7	0	0	.60	0	32	74
30	.50	0	.20	.40	-----	1.5	0	0	.30	0	28	71
31	.40	-----	.20	.40	-----	1.2	-----	0	-----	0	28	-----
TOTAL	143.80	2.00	3.80	30.20	12.30	39.50	15.20	0	12.40	0.30	167.60	2,129
MEAN	4.64	.067	1.2	.97	.44	1.27	.51	0	.41	.010	5.41	71.0
MAX	12	.40	.50	1.8	1.1	3.3	1.9	0	1.9	.20	34	160
MIN	.40	0	0	.40	.20	.10	0	0	0	0	0	27
CFSM	15	.003	.004	.03	.01	.04	.02	0	.01	.0003	.18	2.37
IN.	18	.003	.005	.04	.02	.05	.02	0	.02	.0003	.21	2.64
CAL YR 1961	TOTAL 1,279.90	MEAN 3.51	MAX 42	MIN 0	CFSM .12	IN 1.59						
WAT YR 1962	TOTAL 2,556.70	MEAN 7.00	MAX 160	MIN 0	CFSM .23	IN 3.17						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	74	4.0	1.9	1.4	6.9	58	10	0	0	0	39	8.4
2	72	1.4	1.8	1.4	6.8	66	9.1	0	0	0	32	11
3	65	5.6	1.7	1.5	7.4	112	8.0	0	0	2.6	29	13
4	60	9.3	1.7	1.4	10	112	6.9	0	0	7.2	26	14
5	55	9.8	1.7	1.4	11	90	6.0	0	0	9.1	26	11
6	50	9.3	1.7	1.5	12	77	5.0	0	0	8.3	27	12
7	46	8.7	1.7	1.6	12	67	4.4	0	0	6.6	25	15
8	42	4.7	1.6	1.5	11	57	3.6	0	0	4.7	22	16
9	39	10	1.6	1.5	10	54	2.8	0	0	3.5	19	13
10	36	10	1.5	1.6	9.1	75	2.3	0	0	9.4	17	11
11	34	9.3	1.4	1.6	8.4	78	1.7	0	0	31	19	9.0
12	32	9.3	1.4	1.6	23	70	1.4	0	0	64	20	7.6
13	30	9.1	1.2	1.7	21	64	1.1	0	0	52	18	7.0
14	28	8.3	1.2	1.7	18	59	.70	0	0	38	18	9.4
15	26	7.6	1.1	1.8	16	52	.50	0	0	30	20	16
16	24	7.2	1.0	1.8	14	44	.30	0	0	25	18	11
17	22	6.6	.90	1.8	15	39	.20	0	0	23	16	11
18	20	5.8	.80	1.9	14	35	.20	0	0	24	15	37
19	18	5.4	.80	1.9	17	32	.10	0	0	23	14	52
20	16	4.8	.80	1.9	23	30	.10	0	0	20	12	44
21	15	4.5	.80	2.1	25	27	.10	0	0	16	11	35
22	15	4.3	.70	2.1	24	25	0	0	0	15	10	33
23	16	3.7	.60	2.3	21	23	0	0	0	77	9.1	33
24	16	3.5	.60	3.4	20	21	0	0	0	150	8.4	36
25	15	3.2	.60	6.2	20	20	0	0	0	124	7.8	39
26	14	2.8	.90	9.1	31	19	0	0	0	82	7.2	39
27	13	2.6	1.0	10	71	18	0	0	0	59	6.8	36
28	11	2.4	1.0	10	69	17	0	0	0	46	6.4	32
29	10	2.1	1.2	9.7	-----	15	0	0	0	39	6.1	27
30	9.7	2.0	1.3	9.0	-----	14	0	0	0	42	5.4	23
31	16	-----	1.4	8.3	-----	12	-----	0	-----	46	5.3	-----
TOTAL	933.7	181.3	37.60	104.7	546.6	1,482	64.50	0	0	1,077.4	515.5	661.4
MEAN	30.1	6.04	1.21	3.38	19.5	47.8	2.15	0	0	34.8	16.6	22.0
MAX	74	10	1.9	10	71	112	10	0	0	150	39	52
MIN	9.7	1.4	.60	1.4	6.8	12	0	0	0	0	5.3	7.0
CFSM	1.00	.20	.04	.11	.65	1.59	.07	0	0	1.16	.55	.73
IN.	1.16	.22	.05	.13	.68	1.84	.08	0	0	1.34	.64	.82
CAL YR 1962	TOTAL 3,559.10	MEAN 9.75	MAX 160	MIN 0	CFSM .33	IN 4.41						
WAT YR 1963	TOTAL 5,604.70	MEAN 15.4	MAX 150	MIN 0	CFSM .51	IN 6.95						

2-3073 59 Brooker Creek near Tarpon Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	20	0	13	25	34	30	67	3.6	0	1.2	69	40
2	17	0	11	28	31	28	56	23	0	1.2	59	35
3	14	0	10	25	31	26	45	52	0	1.0	50	35
4	12	0	9.8	22	46	25	36	50	.10	.40	43	45
5	10	0	9.1	20	85	24	30	38	.10	1.6	33	60
6	8 7	10	8.5	18	150	23	25	29	.10	2.3	41	92
7	7.6	.10	8.0	21	140	22	23	23	.10	1.2	38	120
8	6 6	.10	7.6	24	148	21	21	19	0	.50	41	122
9	2.4	20	7.0	26	140	20	20	17	0	.20	41	116
10	4 6	12	6.5	27	115	19	18	14	0	.10	39	170
11	3.5	31	6.2	27	92	18	17	12	0	0	45	548
12	2.7	42	5.7	84	77	18	16	10	0	0	50	590
13	1.9	38	5.4	162	68	15	15	8.5	0	0	52	604
14	1.5	32	5.2	112	61	16	14	7.1	0	0	51	450
15	1 2	28	5.2	85	56	15	13	5.6	0	0	49	310
16	.90	24	4.8	75	55	15	12	4.7	0	0	46	250
17	.60	21	5 5	77	45	17	11	3 8	0	.10	43	202
18	.40	18	5.9	78	54	17	10	3.0	0	.20	42	172
19	.20	16	6.0	71	66	17	9.0	2 3	.10	.10	40	154
20	.20	15	5 9	65	67	17	7.7	1 6	0	0	48	134
21	.10	13	5.6	61	67	17	6.5	1 2	0	.10	170	121
22	.10	12	5.5	57	57	17	5.4	.60	0	.20	195	109
23	0	10	7 6	54	52	16	4.4	.30	.10	.50	157	96
24	0	9 8	14	51	48	15	3 6	.20	.20	1 2	116	86
25	0	14	18	49	44	14	3 2	.20	.20	3.0	104	80
26	0	23	19	46	41	13	2.7	.20	.20	56	99	73
27	0	19	18	44	37	14	2.0	.20	10	115	83	68
28	0	17	16	44	36	40	2.5	.10	.10	112	70	63
29	0	16	13	46	32	32	3 7	.10	.40	97	59	59
30	0	14	16	40	-----	109	3.1	0	.60	97	51	55
31	0	-----	20	37	-----	82	-----	0	-----	82	45	-----
TOTAL	119 20	425.30	302.2	1,577	1,972	850	502.8	330.30	2.40	574.10	2,069	5,059
MEAN	3.5	14.4	9 5	50 9	57 4	27 4	16.1	10.7	.080	18.5	66.7	131
MAX	20	42	20	142	150	109	67	52	.60	115	195	604
MIN	0	0	4.8	18	31	13	2.0	0	0	0	38	35
CFSM	13	47	42	1.70	2 27	91	56	.36	.003	.62	2.22	5 62
IN.	15	53	.37	1.95	2.44	1 05	.62	.41	.003	.71	2 56	6.27
CAL YR 1963	TOTAL	5,294 83	MEAN	14.5	MAX	150	MIN	0	CFSM	.48	IN	6.57
WAT YR 1964	TOTAL	13,783 50	MEAN	37.7	MAX	604	MIN	0	CFSM	1.26	IN	17.09

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	61	5 6	.20	2.0	3 5	3.9	1 3	.30	0	.10	666	77
2	65	5 4	.20	1.9	4 3	8.9	1.2	.30	0	.10	503	67
3	62	4 7	.10	1 8	4.4	9.4	90	20	0	.10	311	59
4	57	4 3	.10	1 9	4.0	17	70	20	0	.10	205	50
5	53	3 9	3.4	1.8	3.6	12	30	.20	0	.10	152	43
6	48	3.6	5.5	1 8	3.4	17	.20	.20	0	.10	141	38
7	43	3 3	6.7	1.7	4 9	12	.20	.20	0	.10	122	34
8	40	3 0	7 4	1.6	5.4	10	.20	.20	0	.10	119	31
9	38	2 5	6.9	1 5	5.8	8.9	.20	.20	0	.10	134	29
10	36	2 4	6.1	1.4	5.6	7.9	.20	.10	0	.10	140	26
11	33	2 3	5 3	1.3	5.2	7 0	.20	.10	.10	.10	131	25
12	30	2 0	4.4	1.2	4.6	6 1	.10	.10	.10	.10	136	24
13	28	1.9	3.8	1.2	4.1	6 4	.10	.10	.10	.10	111	22
14	26	1 6	3 6	1.2	4.0	9 8	.10	.10	.10	.10	97	22
15	24	1.4	3.5	2.7	4 0	9.1	.10	0	.10	.10	89	28
16	22	1.3	3 1	3 8	3 6	9 1	.10	0	.10	.10	144	29
17	20	1 2	3.0	4.6	3.5	8.8	.10	0	.10	1.0	257	36
18	18	1 0	2 9	5 3	3 3	8 0	.10	0	.10	2.2	277	70
19	17	.60	2.5	5 4	3.0	7 1	.10	0	.10	2.3	174	77
20	15	.70	2.4	5.2	2.7	6.7	.10	0	.10	2.5	138	62
21	14	.40	2 2	4 6	2.4	6 0	.10	0	.10	2.8	111	46
22	12	.50	2.0	4.2	2.2	5.2	.10	0	.10	4.3	90	36
23	11	.50	1.4	4 0	4 3	4 6	.10	0	.10	3.2	79	34
24	10	.90	1.8	4.6	8.6	3.9	.20	0	.10	2.6	76	46
25	9.6	1 1	1 6	5 5	11	3.3	.40	.10	.10	2.7	77	52
26	9 1	.60	1 5	5.8	12	2 9	.30	.10	.10	2.7	93	53
27	8 4	.80	2 0	6.1	11	2 5	.40	0	.10	2.4	89	53
28	7 8	.90	2.4	5.8	9.8	2.3	.40	0	.10	2.2	89	48
29	7.2	.60	2.3	5.2	-----	2.0	.40	0	.10	6.1	117	46
30	6 6	.40	2.2	4.8	-----	1 8	.40	0	.10	5 1	108	44
31	6.1	-----	2 1	4.2	-----	1 6	-----	0	-----	316	90	-----
TOTAL	837 3	59.20	93 10	104 1	144 2	216.7	9.30	2 70	2.00	405.60	5,006	1,307
MEAN	27.0	1.97	3.00	3.36	5.15	6.99	31	.087	.067	13.1	161	43.6
MAX	65	5 6	7 4	6 1	12	12	1.3	.30	.10	316	666	77
MIN	0	1	40	1.0	1.2	2.2	1.6	0	0	.10	76	22
CFSM	.90	.07	.10	.11	.17	.23	.01	.003	.002	.44	5.38	1.45
IN.	1 04	.07	12	13	18	27	.01	.003	.002	.50	6.21	1.62
CAL YR 1964	TOTAL	11,926.73	MEAN	38.1	MAX	604	MIN	0	CFSM	1.27	IN	17.26
WAT YR 1965	TOTAL	8,187.73	MEAN	22 4	MAX	666	MIN	0	CFSM	.75	IN	10 15

2-3076 97 (revised) All ator Creek at Safety Harbor, Fla

Location --Lat 27°58'45", long 82°41'45", in sec 9, T 29 S R 16 E on right upstream with wall of concrete control, 30 ft upstream from bridge on Bayshore Drive, and 0.8 mile southwest of Safety Harbor, Pinellas County

Drainage area --9.0 sq mi, approximately

Records available --October 1949 to April 1959, October 1960 to September 1965

Gage --Water-stage recorder and concrete control. Datum of gage is 1.19 ft below mean sea level datum of 1929. Oct 1, 1949, to Apr 5, 1959, at site of former control 180 ft upstream at datum 0.34 ft higher.

Average discharge --14 years (1949-58, 1960-65), c 76 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 9, 1960	52	6.80	June 7, 1961	0	6.02
1962	Sept 20, 1961	127	7.50	Mar 7, 1962	0	5.64
1963	Feb 12, 1963	113	6.86	June 23, 1963	0	5.70
1964	Mar 28, 1964	187	7.11	June 23, 1964	0	6.08
1965	July 31, 1965	252	7.34	Mar 24, 1965	0	5.31

a Maximum daily

b Estimated

c Wind affected

No flow for many days each year

1949-59, 1960-65. Maximum discharge c 490 cfs Sept 6, 1960 (gage height, 7.34 ft, present datum), no flow for many days in most years, minimum gage height, 5.32 ft Oct 6, 1949 present datum

Remarks --Records poor. Some diversions above station for irrigation. Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

DISTANCE FROM GAGE TO STATION, FEET												
STATION 1, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31												
LAY	LOC	1	2	3	4	5	6	7	8	9	10	11
1	10	1	1	1	1	1	1	1	1	1	1	1
2	10	1	1	1	1	1	1	1	1	1	1	1
3	10	1	1	1	1	1	1	1	1	1	1	1
4	10	1	1	1	1	1	1	1	1	1	1	1
5	10	1	1	1	1	1	1	1	1	1	1	1
6	10	1	1	1	1	1	1	1	1	1	1	1
7	10	1	1	1	1	1	1	1	1	1	1	1
8	10	1	1	1	1	1	1	1	1	1	1	1
9	10	1	1	1	1	1	1	1	1	1	1	1
10	10	1	1	1	1	1	1	1	1	1	1	1
11	10	1	1	1	1	1	1	1	1	1	1	1
12	10	1	1	1	1	1	1	1	1	1	1	1
13	10	1	1	1	1	1	1	1	1	1	1	1
14	10	1	1	1	1	1	1	1	1	1	1	1
15	10	1	1	1	1	1	1	1	1	1	1	1
16	10	1	1	1	1	1	1	1	1	1	1	1
17	10	1	1	1	1	1	1	1	1	1	1	1
18	10	1	1	1	1	1	1	1	1	1	1	1
19	10	1	1	1	1	1	1	1	1	1	1	1
20	10	1	1	1	1	1	1	1	1	1	1	1
21	10	1	1	1	1	1	1	1	1	1	1	1
22	10	1	1	1	1	1	1	1	1	1	1	1
23	10	1	1	1	1	1	1	1	1	1	1	1
24	10	1	1	1	1	1	1	1	1	1	1	1
25	10	1	1	1	1	1	1	1	1	1	1	1
26	10	1	1	1	1	1	1	1	1	1	1	1
27	10	1	1	1	1	1	1	1	1	1	1	1
28	10	1	1	1	1	1	1	1	1	1	1	1
29	10	1	1	1	1	1	1	1	1	1	1	1
30	10	1	1	1	1	1	1	1	1	1	1	1
31	10	1	1	1	1	1	1	1	1	1	1	1
TOTAL	316.7	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
MEAN	12.5	3.86	4.30	4.82	5.06	5.41	5.80	6.10	6.43	6.77	7.10	7.42
MAX	5.0	1.4	1.2	7.8	2.2	7.3	1.1	2.3	4.7	2.6	2.5	3.1
MIN	6.7	1.6	1.2	2.0	1.2	0	0	0	0	0	0	0
CFSM	1.46	4.5	4.6	4.2	6.7	2.1	0.04	0.5	0.5	0.43	1.13	1.76
IN	1.64	4.6	5.0	4.9	7.0	2.5	0.04	0.4	0.5	0.50	1.30	1.96
CAL YR 1960	TOTAL	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
WAT YR 1961	TOTAL	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
MEAN	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
MAX	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CFSM	59	59	59	59	59	59	59	59	59	59	59	59
IN	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

Note --No gage-height record Nov 4 to Dec 20, 1960

## COASTAL BASINS BETWEEN HILLSBOROUGH RIVER AND WITHLACOCHEE RIVER

2-3076 97 Alligator Creek at Safety Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.0	1.2	.50	4.7	1.6	2.0	3.7	.80	0	7.8	16	18
2	1.2	1.2	.50	3.2	1.6	2.6	2.6	.50	0	5.7	14	14
3	1.2	1.2	.50	2.6	1.6	3.2	2.0	.30	0	3.9	12	12
4	1.6	1.2	.50	2.6	1.6	2.6	2.0	0	0	3.2	9.1	10
5	2.0	1.2	.50	2.6	1.6	1.2	1.6	0	0	3.2	7.8	12
6	2.0	1.6	.50	3.2	2.0	0	1.6	0	0	7.6	6.7	12
7	2.6	2.0	.50	3.9	2.0	0	5.6	0	0	2.6	5.7	12
8	2.6	2.6	.50	2.6	1.6	0	12	0	0	2.0	121	13
9	2.6	1.6	.50	2.6	4.7	0	6.7	0	0	1.6	94	13
10	2.6	1.2	.50	2.6	12	0	4.7	0	.20	2.0	39	13
11	2.6	1.2	.50	2.6	5.7	0	3.9	0	1.1	2.6	24	12
12	3.2	1.2	.50	3.2	3.9	10	3.2	0	7.8	5.4	22	12
13	3.2	1.2	1.2	2.6	3.2	20	2.6	0	6.7	14	16	16
14	3.2	1.2	1.6	2.6	2.6	20	1.6	0	6.4	13	12	19
15	2.6	1.6	1.6	2.6	2.6	4.8	1.6	0	31	9.1	34	25
16	2.0	1.6	1.6	3.2	4.2	24	1.2	0	19	5.7	56	19
17	1.6	1.6	1.6	2.6	4.7	13	1.2	0	13	3.9	31	12
18	1.6	1.6	2.1	2.6	3.9	6.7	1.2	0	13	3.9	26	12
19	1.6	1.6	2.6	2.6	4.7	1.2	1.2	0	10	3.9	22	9.1
20	1.2	1.6	13	2.6	2.6	3.9	1.2	0	5.7	4.7	18	134
21	.80	1.6	5.7	2.6	2.6	3.9	1.2	0	15	6.7	34	187
22	.50	2.6	3.9	2.6	2.6	3.2	.80	0	39	7.8	86	72
23	.50	4.2	3.9	2.6	2.0	5.7	.80	0	24	4.7	102	58
24	.50	4.0	2.6	2.6	2.6	5.7	.80	0	14	3.9	136	54
25	.50	1.6	2.0	2.6	2.6	4.7	.80	0	10	7.8	54	89
26	.50	1.2	1.6	2.6	2.6	9.1	1.2	0	9.1	5.7	31	43
27	.50	1.2	1.6	2.6	2.6	5.7	1.2	0	5.7	3.9	24	28
28	.50	1.2	2.6	2.6	2.0	4.7	1.2	0	4.7	3.9	24	72
29	.50	.40	1.6	1.2	-----	3.9	1.2	0	3.9	14	30	18
30	.60	.50	1.6	1.2	-----	3.9	.80	0	5.7	30	28	22
31	1.2	-----	2.0	1.6	-----	3.2	-----	0	-----	18	19	-----
TOTAL	50.60	44.50	19.80	82.6	87.1	127.90	70.90	1.60	245.00	207.2	1,154.3	993.1
MEAN	1.63	1.48	2.57	2.66	3.11	3.96	2.36	.052	8.17	6.68	37.7	33.1
MAX	3.2	2.0	2.2	4.7	12	24	12	.80	39	30	136	187
MIN	.50	.50	.50	1.2	1.6	0	.80	0	0	1.6	5.7	9.1
CFSM	18	29	29	35	44	35	26	.006	.91	74	414	368
IN.	.21	18	33	34	36	51	29	.007	1.01	.86	4.77	4.10
CAL YR 1961	TOTAL	1,462.40	MEAN	4.01	MAX	31	MIN	0	CFSM	.45	IN	6.04
WAT YR 1962	TOTAL	3,159.60	MEAN	8.60	MAX	187	MIN	0	CFSM	.96	IN	12.97

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.6	3.9	2.6	3.2	3.9	19	2.0	10	.50	3.2	2.6	3.2
2	2.2	3.2	2.0	3.2	3.2	16	2.0	.30	.30	1.6	2.0	2.0
3	1.6	5.7	2.6	3.2	6.7	58	2.0	.50	.30	.80	1.6	2.0
4	14	6.7	2.6	3.2	16	37	2.0	.80	.30	.50	2.1	3.9
5	12	5.7	3.9	3.2	13	22	2.0	.50	0	.30	2.6	3.2
6	10	3.9	1.6	5.1	9.1	16	2.0	20	0	.20	1.6	3.9
7	9.1	1.2	1.4	6.7	9.1	13	2.0	0	0	0	1.6	3.9
8	9.1	4.7	2.0	4.7	7.8	9.1	1.6	0	0	0	1.2	2.0
9	7.8	9.4	3.2	3.9	6.7	16	1.6	0	0	0	1.2	1.2
10	7.8	6.7	1.6	3.9	4.7	58	1.6	0	0	8.4	2.0	1.2
11	7.8	.77	1.6	3.9	8.0	25	1.2	0	0	10	3.2	.80
12	6.7	5.3	2.6	3.9	89	18	1.2	0	0	3.9	2.6	.80
13	6.7	7.1	2.0	3.9	33	13	.50	.30	0	2.0	2.0	.50
14	6.7	6.7	2.6	3.2	22	9.1	0	30	0	1.6	3.5	.30
15	5.7	.77	2.6	3.2	16	9.1	0	30	0	1.2	18	.30
16	5.7	5.7	2.6	3.2	13	7.8	0	20	0	1.4	19	30
17	4.7	4.7	3.2	3.2	14	7.8	0	0	0	2.6	9.1	1.6
18	3.9	4.7	3.2	3.2	12	6.7	0	0	0	3.9	4.7	5.7
19	3.2	3.9	2.6	3.2	18	5.7	0	0	0	2.6	6.7	3.9
20	3.2	3.9	2.6	3.2	19	5.7	.20	0	0	1.2	10	2.0
21	3.2	3.9	2.6	4.7	13	3.2	30	0	0	.80	33	2.0
22	4.7	3.9	2.6	3.9	9.1	2.0	.30	0	0	1.2	47	2.6
23	5.7	3.2	2.6	5.9	7.8	2.6	0	0	0	62	20	3.9
24	3.2	2.6	2.6	7.8	9.1	2.6	.20	0	0	36	10	1.2
25	3.2	7.6	2.6	5.7	9.1	3.2	0	0	0	19	12	2.6
26	2.6	2.6	10	5.7	55	3.2	0	0	0	10	9.1	3.2
27	2.0	7.6	9.1	5.7	54	3.2	0	0	0	5.7	5.7	3.2
28	2.0	2.6	6.7	3.9	26	3.2	0	0	2.3	4.7	3.9	2.0
29	2.0	2.6	5.7	3.9	-----	3.2	0	2.5	8.4	3.9	2.6	2.6
30	2.0	7.6	3.9	3.9	-----	2.6	0	3.9	7.8	2.6	2.6	2.0
31	6.2	-----	3.9	3.9	-----	2.0	-----	1.6	-----	2.6	2.6	-----
TOTAL	225.6	157.7	100.8	129.4	511.3	398.0	23.00	11.50	19.90	193.90	255.8	70.00
MEAN	7.28	4.99	3.25	4.17	18.3	17.8	.77	.37	.66	6.25	7.93	2.33
MAX	26	9.4	10	7.8	89	58	2.0	3.9	8.4	62	47	5.7
MIN	2.0	2.6	1.4	3.2	3.2	2.0	0	0	0	0	1.2	.30
CFSM	.61	.51	.36	.46	2.03	1.43	.09	.04	.07	.69	.88	.26
IN.	.93	.37	.42	.53	2.11	1.64	.10	.05	.08	.80	1.02	.29
CAL YR 1962	TOTAL	3,428.80	MEAN	9.39	MAX	187	MIN	0	CFSM	1.04	IN	14.17
WAT YR 1963	TOTAL	2,066.90	MEAN	5.66	MAX	89	MIN	0	CFSM	.63	IN	8.54

2-3076 97 Alligator Creek at Safety Harbor, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.6	1.3	.30	10	4.7	4.7	18	5.8	.10	2.0	7.8	12
2	1.2	.3	.50	6.7	3.9	4.7	14	31	0	1.6	6.7	17
3	.80	2.0	1.6	5.7	5.1	4.7	12	20	0	1.2	5.7	10
4	.80	1.6	1.6	4.7	20	4.7	9.1	9.1	0	.80	4.7	25
5	.80	2.0	1.6	3.9	60	5.7	7.8	5.7	0	12	3.9	59
6	.80	3.9	1.6	3.9	93	4.7	6.7	4.7	.10	11	3.2	107
7	.80	3.2	1.6	10	42	4.7	5.7	3.9	.30	3.9	3.2	48
8	.80	2.0	1.6	9.1	77	3.9	4.7	3.2	.30	2.0	2.6	28
9	.80	2.4	1.6	7.8	57	3.9	3.9	2.6	.20	1.6	2.6	20
10	.80	.33	1.6	6.7	25	4.7	3.9	2.6	.20	1.2	3.2	34
11	1.2	2.4	1.6	8.3	19	3.9	3.2	2.0	.20	.80	4.7	62
12	1.2	1.9	1.6	82	16	3.9	2.0	2.6	.30	.50	5.7	39
13	1.2	1.2	2.0	49	14	3.9	2.0	2.6	.30	.30	4.7	52
14	1.2	6.7	2.5	24	13	3.9	2.0	3.2	.20	.20	5.7	34
15	1.6	5.7	2.6	18	12	3.2	2.0	2.0	10	0	7.8	42
16	1.6	5.7	2.0	14	12	3.2	1.6	1.6	0	0	6.7	54
17	1.6	4.7	3.2	21	9.1	3.9	1.2	1.2	0	0	15	31
18	1.2	3.9	3.2	20	27	3.9	1.2	.80	0	.30	12	72
19	1.2	3.9	2.0	16	40	3.2	1.2	.50	0	.50	7.8	19
20	1.2	3.9	2.0	14	22	7.0	.80	.50	0	.30	14	14
21	.50	3.9	2.0	13	16	5.3	.80	.50	0	.30	77	12
22	.50	3.9	2.0	12	14	2.6	1.2	.50	0	.30	79	9.1
23	.50	3.9	2.0	10	12	7.6	1.2	.30	1.0	1.4	47	6.7
24	.50	1.2	10	9.1	10	2.6	1.2	.50	5.7	2.0	30	5.7
25	1.2	3.2	6.7	7.8	9.1	2.6	.80	.80	2.6	8.2	52	4.7
26	1.6	3.9	4.7	6.7	7.8	4.1	.80	.50	1.6	53	54	4.7
27	2.0	3.2	3.9	6.7	7.8	6.7	.50	.50	1.2	3.9	30	3.9
28	2.0	2.6	3.9	6.7	7.8	115	3.1	.30	1.2	27	20	3.2
29	1.6	2.0	3.9	5.7	5.7	7.8	7.8	.30	.80	20	19	7.6
30	1.2	.30	3.9	5.7	-----	31	3.9	.20	1.3	14	14	2.6
31	.80	-----	9.9	5.7	-----	20	-----	.20	-----	10	13	-----
TOTAL	33.60	171.50	92.80	423.9	647.0	357.5	124.30	110.00	17.70	220.40	562.7	779.2
MEAN	1.08	5.78	2.99	13.7	27.3	11.5	4.14	3.55	.59	7.11	18.7	26.0
MAX	2.0	33	10	82	98	115	18	31	5.7	53	79	107
MIN	.30	.30	.30	3.9	3.9	2.6	.50	0	0	2.6	2.6	2.6
CFSM	12	.64	.53	1.57	2.48	1.28	.46	.19	.07	.79	2.02	2.89
IN.	.14	.72	.36	1.75	2.67	1.48	.51	.45	.07	.91	2.33	3.22

CAL YR 1963 TOTAL 1,702.70 MEAN 5.21 MAX 89 MIN 0 CFSM .58 IN 7.86  
 WAT YR 1964 TOTAL 1,742.60 MEAN 9.68 MAX 115 MIN 0 CFSM 1.08 IN 14.64

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.6	.60	20	2.0	1.2	3.2	.80	0	0	5.7	153	9.1
2	4.7	.80	20	2.0	2.6	15	.50	0	0	2.6	68	5.7
3	6.7	.80	.80	1.6	7.0	15	.50	0	0	3.2	36	4.7
4	4.7	.80	50	1.2	1.6	16	.50	0	0	2.6	34	3.9
5	3.9	.80	20	1.2	1.6	7.8	.50	0	0	7.6	60	3.9
6	3.2	.80	15	1.2	1.6	6.7	.50	0	0	2.0	34	3.9
7	3.2	.80	6.7	1.2	3.0	4.7	.30	0	0	1.6	25	2.6
8	3.2	.80	3.9	1.2	3.2	3.2	.30	0	0	3.9	34	2.0
9	3.2	.80	3.2	1.2	7.6	2.6	.30	0	0	13	45	2.6
10	3.2	.50	2.6	.80	1.6	2.6	.30	0	0	18	60	2.6
11	2.6	.80	2.6	.80	1.2	2.6	.30	0	4.2	21	50	2.6
12	2.0	.80	2.6	.80	.80	2.0	.30	0	12	34	31	2.0
13	2.0	.80	.80	.80	.80	5.5	.30	0	7.8	36	22	1.6
14	2.6	.80	2.0	1.2	1.2	14	20	0	3.9	45	22	2.3
15	4.7	.80	2.0	3.8	1.2	9.1	0	0	3.2	20	25	26
16	2.6	.80	2.0	3.2	.80	5.7	0	0	2.6	10	34	10
17	1.6	.80	2.0	1.6	.80	3.9	0	0	2.6	7.8	28	1.7
18	1.6	.80	2.0	1.2	.80	3.2	0	0	5.2	9.1	19	24
19	1.6	.50	1.6	1.6	.50	7.6	0	0	9.1	9.1	16	12
20	1.6	.50	1.2	1.6	.80	7.0	0	0	4.7	10	13	5.7
21	.80	.80	.80	1.6	.50	1.2	0	0	2.6	20	12	3.9
22	.80	.50	.80	1.6	.50	1.2	.50	0	2.0	39	12	3.6
23	1.2	.50	.80	1.6	11	1.2	.80	0	2.0	17	10	3.2
24	1.2	.50	.80	2.9	25	1.2	.80	0	2.0	9.1	9.1	1.6
25	1.2	1.0	.80	3.9	11	1.2	.50	0	2.0	6.7	7.8	16
26	1.2	1.0	.50	3.2	4.7	1.2	.50	0	4.0	5.7	6.7	10
27	1.2	.80	18	3.2	3.9	1.2	.50	0	15	4.7	7.8	7.8
28	1.2	.80	13	2.6	3.9	1.2	.30	0	10	13	7.8	6.7
29	1.2	.80	6.7	2.6	-----	1.2	.30	0	6.0	48	6.7	7.8
30	1.2	.80	3.9	2.0	-----	1.2	0	0	9.1	102	7.8	6.7
31	.80	-----	2.6	1.8	-----	.80	-----	0	-----	178	12	-----
TOTAL	74.50	22.50	121.30	57.20	90.70	140.20	9.70	0	110.0	701.7	908.7	235.6
MEAN	2.40	.73	3.91	1.85	3.24	4.52	.32	0	3.77	22.6	29.3	7.85
MAX	6.7	1.0	20	3.9	25	16	.30	0	15	178	153	26
MIN	.80	.50	.20	.80	.50	.80	0	0	0	1.6	6.7	1.6
CFSM	27	.08	.43	.21	.36	.50	.04	0	.41	2.52	3.26	.87
IN.	.31	.09	.50	.24	.37	.58	.04	0	.45	2.90	3.75	.97

CAL YR 1964 TOTAL 3,461.00 MEAN 9.46 MAX 115 MIN 0 CFSM 1.05 IN 14.30  
 WAT YR 1965 TOTAL 2,472.10 MEAN 6.77 MAX 178 MIN 0 CFSM .75 IN 10.22

2-3088 89 (revised) Seminole Lake Outlet near Largo, Fla

Location --Lat 27°50'20", long 82°46'50", in sec 27, T 30 S, R 15 E, on south shore of Seminole Lake, 250 ft west of highway bridge across spillway channel, and 5.2 miles south of Largo, Pinellas County

Drainage area --14 sq mi, approximately

Records available --August 1950 to September 1965

Gage --Water-stage recorder and concrete control Datum of gage is at mean sea level, datum of 1929 (Pinellas County bench mark)

Average discharge --15 years, 15.4 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Date	Maximum		Minimum	
		Discharge (cfs)	Gage height (feet)	Date	Gage height (feet)
1961	Aug 20, 1961	118	5.89	July 12, 14, 1961	4.72
1962	Sept 21, 1962	290	6.53	June 8, 1962	4.36
1963	Feb 13, 1963	171	6.09	June 22, 1963	4.14
1964	Feb 8 9, 1964	88	5.75	July 17, 1964	4.43
1965	Aug 1, 1965	236	6.33	June 5, 1965	4.43

a Affected by pumpage

No flow for many days each year

1950-65 Maximum discharge, 539 cfs Sept 5, 1950 (gage height, 7.44 ft), from rating curve extended above 270 cfs, no flow for many days each year, minimum gage height, 3.63 ft May 25, 1956

Remarks --Records poor Greater part of inflow to Seminole Lake is regulated by pumps at north dam 3.0 miles above station Pumpage at north dam represents natural flow of tributary above dam Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT.
1	16	1.1	1.7	1.2	1.0	3.4	3.4	0	0	0	5.4	54
2	14	1.4	4.0	1.0	6.0	0.0	2.2	0	0	0	7.5	75
3	14	1.1	0	9.0	13	5.4	1.0	0	0	0	9.0	70
4	12	9.0	0	7.5	32	5.4	1.0	0	0	0	7.5	75
5	11	1.2	0	5.4	28	5.4	3.0	0	0	0	5.4	64
6	9.0	0.0	0	5.4	25	4.1	0	0	0	0	4.9	58
7	12	0.0	0	5.4	37	4.9	6.0	0	0	0	3.4	47
8	31	1.1	0	6.0	37	4.1	3.0	0	0	0	2.8	38
9	09	3.4	0	12	56	6.0	0	0	4.0	0	8.2	35
10	76	4.1	10	12	46	1.0	3.0	5.4	4.0	0	7.5	42
11	02	4.1	4.0	11	34	3.0	10	4.9	3.0	0	6.8	67
12	47	4.9	6.8	9.8	33	3.0	2.0	4.9	0	0	7.5	78
13	39	4.9	3.4	14	19	4.8	1.7	4.9	0	0	7.5	73
14	31	4.9	2.2	16	25	2.0	1.0	4.9	0	0	9.8	58
15	27	1.1	2.7	16	22	2.0	3.0	2.8	0	0	11	48
16	21	4.1	6.8	16	20	18	2.8	2.8	0	0	9.0	42
17	20	1.1	5.4	16	16	16	4.0	1.7	0	0	11	33
18	16	3.4	5.4	14	14	16	3.0	1.0	0	0	7.0	27
19	1	1.1	5.4	11	14	14	3.0	4.0	0	13	31	20
20	16	2.8	5.4	12	12	11	0	3.0	0	39	93	18
21	11	1.2	11	7.5	11	1.0	0	0	0	46	102	14
22	13	1.2	14	6.0	9.4	9.0	0	0	0	39	80	14
23	03	1.2	14	9.4	8.2	7.5	0	0	0	33	60	12
24	03	2	14	5.4	8.2	6.8	0	0	0	29	53	9.8
25	03	2.2	12	0.8	9.0	5.4	0	0	0	25	60	11
26	3.4	1.2	11	4.9	3.2	4.1	0	2.0	0	20	56	9.0
27	3.4	1.1	11	9.0	6.0	2.8	0	1.0	0	18	50	8.2
28	4.9	1.1	11	7.5	4.9	1.7	0	6.0	0	14	43	7.5
29	4.9	1.7	3.8	9.0	-----	2.8	0	4.0	0	11	35	6.0
30	4.9	1.0	9.0	8.2	-----	2.0	0	1.0	0	9.8	32	5.4
31	1.7	-----	9.0	6.0	-----	1.3	-----	0	-----	7.5	39	-----
TOTAL	621.0	143.3	171.90	299.5	604.3	219.20	16.20	36.20	1.10	304.3	878.2	1,118.9
MEAN	20.1	4.60	5.55	9.66	21.6	7.03	0.54	1.17	0.37	9.82	28.3	37.3
MAX	76	16	14	18	67	20	3.4	5.4	4.0	46	102	78
MIN	4.9	1.7	0	4.9	4.9	3.0	0	0	0	0	2.8	5.4
CFSM	1.44	15	40	69	1.54	51	04	0.08	0.003	70	2.02	2.66
IN.	1.61	19	46	80	1.61	58	04	10	0.003	81	2.33	2.97

CAL YR 1961 TOTAL 13,154.63 MEAN 35.9 MAX 514 MIN 0 CFSM 2.57 IN 34.94  
 WAT YR 1961 TOTAL 4,420.00 MEAN 14.1 MAX 102 MIN 0 CFSM .87 IN 11.74

2-3088 89 Seminole Lake Outlet near Largo, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	3.4	0	0	6.0	1.7	1.3	5.4	0	0	.10	0	.25
2	4.9	0	0	9.8	1.7	1.0	7.5	0	0	.30	.10	.22
3	4.1	0	0	9.0	1.7		5.4	0	0	.10	.30	.18
4	5.4	0	0	8.2	1.0	1.0	3.4	0	0	0	.60	.16
5	4.9	0	0	6.8	60	1.0	2.2	0	0	0	.60	.16
6	2.8	0	0	7.3	1.3	70	1.0	0	0	0	.30	.14
7	1.7	0	0	12	2.2	0	6.9	0	0	0	.3.4	.16
8	1.3	0	0	12	2.8	0	16	0	0	0	.11	.18
9	1.0	0	0	11	5.4	0	18	0	0	0	.37	.18
10	.60	0	0	9.0	14	3	16	0	0	0	.39	.18
11	.10	0	0	9.0	9.0	0	12	0	0	0	.34	.16
12	0	0	0	9.0	6.8	0	9.8	0	0	0	.29	.16
13	0	0	0	11	6.8	0	9.8	0	0	0	.25	.14
14	0	0	0	9.0	6.8	0	6.0	0	0	0	.18	.16
15	0	0	0	7.5	6.8	1.6	2.2	0	0	0	.20	.27
16	0	0	0	6.0	6.8	18	2.8	0	0	0	.18	.25
17	0	0	0	5.4	9.0	18	1.0	0	0	0	.18	.20
18	0	0	0	4.9	7.5	12	.40	0	0	0	.20	.18
19	0	0	0	2.2	4.9	11	.60	0	.30	0	.18	.14
20	0	0	0	6.0	5.4	8.2	3.2	.30	0	0	.14	.115
21	0	0	0	5.4	5.4	6.0	6.8	10	0	1.1	0	.24
22	0	0	0	4.9	4.9	4.9	9.0	0	0	1.7	0	.68
23	0	0	0	3.4	4.4	4.1	14	0	0	2.2	0	.95
24	0	0	0	4.9	6.0	4.1	12	0	0	2.2	0	.113
25	0	0	0	2.8	4.9	4.9	9.8	0	0	1.7	0	.99
26	0	0	0	1.7	4.1	4.1	14	0	0	1.3	0	.80
27	0	0	0	1.0	2.8	3.4	12	0	0	1.0	0	.60
28	0	0	0	4.1	5.4	2.8	9.8	0	0	1.0	0	.47
29	0	0	0	2.2	2.8	-----	6.8	0	0	.40	0	.38
30	0	0	0	1.7	1.7	-----	5.4	0	0	.30	0	.29
31	0	0	0	1.7	1.7	-----	2.2	-----	0	-----	0	.26
TOTAL	32.60	0	42.0	208.3	141.90	177.50	127.40	0	13.30	0.80	985.30	1,968
MEAN	1.04	0	1.35	6.72	5.07	5.73	4.25	0	.44	.010	31.8	65.6
MAX	5.4	0	6.0	12	14	18	18	0	2.2	.30	113	285
MIN	0	0	0	1.7	60	0	0	0	0	0	0	14
CFSM	.07	0	.10	.48	.36	.41	.30	0	.03	.001	2.27	4.69
IN.	.03	0	.11	.55	.38	.47	.34	0	.04	.001	2.62	5.23
CAL YR 1961	TOTAL 3,552.40		MEAN 9.73		MAX 102	MIN 0	CFSM .70	IN 9.44				
WAT YR 1962	TOTAL 3,090.40		MEAN 10.1		MAX 285	MIN 0	CFSM .72	IN 9.82				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	38	40	4.1	6.8	9.0	00	1.3	0	0	0	12	1.7
2	34	.40	4.1	6.8	9.0	67	1.0	0	0	0	11	.60
3	28	.90	3.4	6.0	11	38	.60	0	0	0	9.8	1.0
4	23	5.4	3.4	5.4	29	76	.60	0	0	0	9.8	1.3
5	22	4.1	3.4	4.9	27	5	.60	0	0	0	9.8	1.0
6	18	4.1	4.9	6.1	26	50	.30	0	0	0	8.2	1.3
7	14	4.1	2.2	14	26	43	.60	0	0	0	6.8	1.7
8	14	6.0	14	14	27	13	.30	0	0	0	5.4	1.3
9	12	12	3.4	12	27	31	.30	0	0	0	4.1	.60
10	12	16	5.4	11	20	53	.30	0	0	0	2.8	.40
11	4.8	14	1.7	9.8	14	46	.30	0	0	0	2.2	10
12	7.5	13	2.8	9.0	12.8	19	.40	0	0	0	4.2	0
13	7.5	22	14.0	9.8	169	18	.40	0	0	0	5.3	0
14	6.0	20	.60	11	100	33	.10	0	0	0	11	0
15	6.0	16	1.0	9.8	129	28	0	0	0	0	11	0
16	3.4	14	1.0	9.8	82	25	0	0	0	0	11	0
17	3.4	12	1.3	6.2	67	22	0	0	0	0	9.8	0
18	3.4	11	1.7	6.8	52	20	0	0	0	0	8.2	.40
19	1.7	12	2.2	6.0	42	18	0	0	0	0	6.0	.22
20	1.0	11	2.2	4.1	48	14	0	0	0	0	4.9	2.2
21	.30	8.2	2.8	14	39	8.2	0	0	0	0	9.0	1.3
22	1.0	10	3.4	9.8	35	6.0	0	0	0	0	14	1.7
23	1.7	12	4.1	4.8	27	3.4	0	0	0	0	12	3.4
24	1.0	11	4.9	18	22	4.1	0	0	0	20	9.8	3.4
25	.30	9.0	3.4	16	26	3.4	0	0	0	22	6.8	2.2
26	.10	7.5	7.7	14	50	3.4	0	0	0	24	6.0	3.4
27	0	6.0	11	14	97	4.1	0	0	0	20	5.4	3.4
28	0	5.4	11	12	84	4.9	0	0	0	16	5.4	2.8
29	0	4.9	9.0	9.8	-----	4.9	0	0	0	14	4.1	3.1
30	0	4.1	11	9.0	-----	4.1	0	0	0	16	3.4	5.4
31	.40	7.5	9.0	9.0	-----	2.2	-----	0	-----	14	2.8	-----
TOTAL	275.80	280.50	126.30	304.7	1,466.0	890.7	7.10	0	0	154.3	232.0	455.90
MEAN	8.90	4.35	4.07	9.83	52.4	28.7	.24	0	0	4.98	7.48	1.53
MAX	38	22	11	18	169	88	1.3	0	0	24	14	5.4
MIN	0	.40	.60	4.1	9.0	2.2	0	0	0	0	2.2	0
CFSM	.64	.67	.29	.70	3.74	2.05	.02	0	0	.36	.53	.11
IN.	.73	.73	.34	.81	3.09	2.37	.02	0	0	.41	.62	.12
CAL YR 1962	TOTAL 4,304.80		MEAN 11.8		MAX 285	MIN 0	CFSM .84	IN 11.44				
WAT YR 1963	TOTAL 3,765.30		MEAN 10.4		MAX 169	MIN 0	CFSM .74	IN 10.05				



## 2-3088 89 Seminole Lake Outlet near Largo, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.9	0	2.6	8.2	12	13	44	1.4	0	0	32	14
2	4.1	0	1.3	9.0	12	16	38	6.8	0	0	25	12
3	3.4	0	1.3	8.2	12	17	29	12	0	0	22	13
4	2.6	0	1.7	8.2	14	1	25	14	0	0	18	20
5	2.2	0	1.3	8.2	36	12	20	14	0	0	16	22
6	1.3	0	1.3	8.2	67	17	18	12	0	0	14	26
7	.60	0	1.3	9.0	76	12	16	9.8	0	0	12	26
8	.20	0	1.0	11	84	12	12	8.7	0	0	12	25
9	0	0	1.3	14	88	11	17	7.5	0	0	9.8	22
10	0	.80	1.0	14	76	9.8	11	6.0	0	0	9.0	25
11	0	5.3	1.0	16	62	9.0	9.0	4.9	0	0	11	32
12	0	18	.60	34	50	9.8	8.2	4.1	0	0	9.8	37
13	0	18	.60	60	39	9.0	6.0	3.4	0	0	9.8	50
14	0	12	1.0	62	32	7.5	6.0	2.8	0	0	9.8	47
15	0	11	2.2	53	77	7.4	5.4	2.8	0	0	12	47
16	0	6.2	2.2	43	24	4.9	4.9	2.2	0	0	8.8	38
17	0	7.5	2.2	38	22	4.9	3.4	1.3	0	0	7.5	32
18	0	6.6	2.2	37	24	4.9	2.8	.60	0	0	8.2	27
19	0	6.6	1.7	32	46	4.9	1.7	.40	0	0	8.2	22
20	0	6.0	1.3	29	50	5.4	1.3	.20	0	0	6.0	18
21	0	6.0	1.3	29	50	8.2	1.0	.10	0	0	12	16
22	0	5.4	1.0	29	44	11	1.0	0	0	0	27	16
23	0	4.1	1.0	28	37	11	.60	0	0	0	34	11
24	0	4.9	5.1	26	29	11	.60	0	0	0	31	9.0
25	0	4.9	6.8	22	23	12	.60	0	0	0	35	9.0
26	0	4.1	6.8	22	20	14	.40	0	0	19	32	7.5
27	0	4.1	6.8	20	20	14	.30	0	0	43	27	6.8
28	0	3.4	6.0	18	34	14	10	0	0	39	20	7.4
29	0	6.2	6.9	13	20	73	.30	0	0	35	16	4.9
30	0	4.2	7.5	16	-----	73	.60	0	0	29	14	4.1
31	0	-----	7.5	14	-----	58	-----	-----	-----	35	12	-----
TOTAL	19.50	147.70	86.70	744.0	1,114	520.7	279.20	114.50	0	200	520.9	639.7
MEAN	63	4.92	2.80	24.0	38.4	16.8	9.31	3.99	0	6.45	16.8	21.3
MAX	4.9	18	7.5	62	88	78	44	14	0	43	35	50
MIN	0	0	.60	8.2	12	4.9	10	0	0	0	6.0	4.1
CFSM	.04	15	.20	1.71	2.74	1.20	.66	.26	0	.46	1.20	1.52
IN.	.05	7	.23	1.94	2.96	1.38	.74	.30	0	.53	1.38	1.70
CAL YR 1963	TOTAL 3,354.60			MEAN 9.19	MAX 169	MIN 0	CFSM .66			IN 8.91		
WAT YR 1964	TOTAL 4,386.90			MEAN 12.0	MAX 88	MIN 0	CFSM .86			IN 11.65		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.9	0	0	16	13	14	4.9	0	0	6.0	233	20
2	7.5	0	0	12	14	18	3.4	0	0	4.9	190	18
3	4.2	0	0	12	16	4.7	2.8	0	0	3.4	147	16
4	6.8	0	0	12	16	5.2	2.2	0	0	2.8	111	14
5	9.0	0	2.1	11	16	5.7	1.7	0	0	1.7	150	12
6	12	0	11	9.8	14	44	1.3	0	0	1.7	134	11
7	4.2	0	12	9.8	12	37	1.3	0	0	2.2	99	9.0
8	6.0	0	11	9.0	16	31	1.0	0	0	2.2	75	7.5
9	2.4	0	9.0	7.5	16	25	.60	0	0	1.7	59	9.8
10	4.9	0	8.2	6.8	14	20	.40	0	0	3.4	44	9.0
11	4.1	0	6.0	6.8	12	18	.30	0	0	5.4	37	9.0
12	3.4	0	5.4	6.8	11	16	.10	0	1.7	6.0	34	9.8
13	2.8	0	5.4	6.0	9.0	14	0	0	9.0	6.8	37	9.0
14	2.8	0	5.4	6.0	7.5	14	0	0	11	14	29	9.0
15	4.1	0	6.8	6.8	8.2	14	0	0	9.0	16	27	11
16	2.8	0	6.0	11	9.0	14	0	0	9.8	16	25	18
17	1.7	0	4.9	14	11	17	0	0	8.2	14	22	20
18	1.3	0	4.9	12	11	11	0	0	9.0	12	18	20
19	.60	0	4.9	12	11	11	0	0	11	9.0	16	20
20	2.8	0	4.9	11	9.8	11	0	0	9.0	7.5	18	20
21	.40	0	4.1	11	9.0	11	0	0	6.8	7.5	18	18
22	.10	0	4.1	11	7.5	9.0	0	0	6.0	6.8	16	16
23	0	0	4.1	9.8	9.0	6.8	0	0	6.8	6.0	14	14
24	0	0	3.4	9.0	18	6.0	0	0	6.0	4.1	12	14
25	0	0	2.6	12	24	6.0	0	0	4.9	2.8	18	24
26	0	0	1.7	12	25	6.0	0	0	5.4	2.8	28	26
27	0	0	6.8	12	20	6.0	0	0	6.0	2.8	25	26
28	0	0	20	12	16	6.0	0	0	5.4	5.4	25	26
29	0	0	22	9.0	-----	5.4	0	0	6.0	18	29	22
30	0	0	22	6.8	-----	5.4	0	0	6.8	40	27	22
31	0	0	18	12	-----	5.4	-----	-----	-----	129	27	-----
TOTAL	99.80	0	216.9	314.9	378.0	543.0	20.00	0	137.8	361.9	1,728	480.1
MEAN	3.22	0	7.00	10.2	13.5	17.5	67	0	4.59	11.7	55.7	16.0
MAX	12	0	22	16	25	52	4.9	0	11	129	233	26
MIN	0	0	0	6.0	7.5	5.4	0	0	1.7	12	7.5	4.1
CFSM	.23	0	.50	.73	.96	1.25	.05	0	.33	.83	3.98	1.14
IN.	.27	0	.58	.84	1.00	1.44	.05	0	.37	.96	4.59	1.28
CAL YR 1964	TOTAL 4,449.70			MEAN 12.2	MAX 88	MIN 0	CFSM .87			IN 11.82		
WAT YR 1965	TOTAL 4,280.40			MEAN 11.7	MAX 233	MIN 0	CFSM .84			IN 11.37		

## 2-3100 Anclote River near Elfers, Fla

Location --Lat 28°12'50", long 82°40'00", in NE 1/4 sec 23, T 26 S, R 16 E, on left bank 40 ft downstream from bridge on State Highway 54 and 3 1/2 miles east of Elfers, Pasco County

Drainage area --72.5 sq mi

Records available --May 1946 to September 1965

Gage --Digital water-stage recorder. Datum of gage is at mean sea level, datum of 1929 Prior to

May 6, 1965, graphic water-stage recorder at same site and datum

Average discharge --19 years, 87.9 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (450 cfs revised), water years 1950-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 7, 1949	1100	452	15 26	June 10, 1957	1800	737	17 97	Sept 13, 1960	0400	1,390	22 42
Sept 6, 1950	2300	* 3,500	26 02	Aug 8, 1957	0800	* 1,020	20 44				
July 30, 1951	2330	* 457	14 81	Aug 24, 1957	0200	518	15 64	Oct 11, 1960	1000	* 478	15 17
Mar 28, 1952	0800	* 881	19 36	Sept 20, 1957	0900	531	15 79	Aug 24, 1962	1000	482	15 23
				Oct 4, 1957	0630	* 572	16 25	Sept 25, 1962	0400	* 588	16 42
				Mar 4, 1958	1200	* 1,140	21 23				
Oct 23, 1952	0400	551	15 86					Feb 28, 1963	1100	478	15 18
Apr 14, 1953	0600	* 2,340	24 37	Mar 20, 1959	2100	* 1,790	23 38	Mar 4, 1963	1530	* 612	16 42
Aug 12, 1953	0230	694	17 40	Apr 4, 1959	1200	564	16 15	July 18, 1963	1400	515	15 61
Aug 17, 1953	2400	739	17 90	May 25, 1959	1400	711	17 71	July 26, 1963	0800	490	15 32
Aug 22, 1953	2200	476	14 72	June 20, 1959	0600	551	16 01				
Sept 19, 1953	2000	541	15 54	July 19, 1959	1600	523	15 70	Jan 14, 1964	1000	602	16 58
Sept 29, 1953	0700	766	18 20	Aug 12, 1959	0830	930	19 87	Feb 8, 1964	0500	608	16 64
				Aug 19, 1959	1800	830	18 90	Mar 30, 1964	1900	600	16 55
Dec 25, 1953	0900	* 699	17 50	Sept 2, 1959	0900	918	19 78	July 28, 1964	1800	960	20 07
				Sept 17, 1959	1500	1,720	23 25	Sept 7, 1964	1800	569	16 21
Sept 12, 1955	0200	* 466	15 02					Sept 12, 1964	0500	* 2,580	24 66
Aug 24, 1956	1630	* 366	13 78	Mar 18, 1960	0400	3,850	26 05	Aug 2, 1965	1200	* 1,580	22 92
				July 30, 1960	1230	* 3,890	26 09	Aug 9, 1965	-	800	18 60

Annual minimum discharge, water years 1961-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Many days	a 2 2	b 7 07	1964	Oct 29 to Nov 1, 1963	1 0	e 7 06
1962	May 29, 1962	1 60	c 7 34				
1963	June 20, 1963	1 3	d 7 48	1965	June 3, 1965	2 5	f 6 84

a Minimum daily b Occurred Apr 29 to May 1, 1961 c Occurred Oct 12-17, 1961 d Occurred Oct 31, 1962 e Occurred June 14-19, 1964 f Occurred May 19, 23, 1965

1946-65 Maximum discharge, 3890 cfs July 30, 1960 (gage height, 26 09 ft), minimum, 0 40 cfs May 19, 1956 (pumpage effect), minimum gage height, 6 84 ft May 19, 23, 1965

Flood of Aug 8 or 9, 1945, reached a stage of 27 7 ft from information by local residents and high-water marks (discharge, 5,000 cfs, from rating curve extended above 3,700 cfs)

Remarks --Records good except those for the 1962-64 water years, which are fair, and those for periods of shifting control, which are poor Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions --WSP 1434 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	182	45	5.8	13	13	11	3.4	2.2	4.2	5.7	76	201
2	181	45	5.6	13	12	10	4.2	2.8	4.0	5.9	58	237
3	163	41	5.4	13	14	9.8	4.0	3.0	3.0	5.5	88	184
4	142	38	5.2	13	22	9.1	3.9	3.0	3.0	6.1	90	149
5	121	35	5.0	12	28	8.5	3.9	2.9	3.0	5.9	76	130
6	101	33	5.0	11	33	8.1	3.9	2.9	3.0	6.3	61	133
7	98	30	4.8	11	34	6.6	3.9	2.8	3.6	6.1	49	106
8	128	28	4.6	11	48	5.4	3.9	2.9	4.0	6.3	44	88
9	269	25	4.5	15	70	4.7	3.9	3.0	3.9	6.4	63	90
10	412	24	4.5	16	76	4.2	3.9	4.2	4.7	6.4	62	84
11	470	22	4.5	17	62	3.7	3.9	3.4	5.2	6.6	63	106
12	402	20	4.5	16	51	3.9	4.0	3.3	4.8	6.6	58	127
13	313	19	4.2	18	44	3.9	4.0	3.2	5.5	6.3	50	183
14	224	18	4.0	22	38	13	4.0	3.2	5.4	6.4	42	150
15	709	16	4.0	24	34	15	4.0	3.2	5.0	7.2	35	133
16	180	15	4.0	24	31	14	4.0	3.2	5.2	6.8	31	197
17	157	15	4.0	24	28	13	3.9	3.2	5.0	6.6	36	200
18	137	13	4.0	23	25	11	3.7	2.4	5.0	6.4	62	164
19	120	13	3.8	22	24	10	3.7	2.2	4.8	7.4	94	129
20	166	12	3.8	22	22	8.9	3.6	2.3	4.7	21	187	100
21	92	11	8.5	21	21	9.6	3.4	2.3	4.7	115	260	78
22	82	10	22	20	19	8.7	3.2	2.3	4.5	140	219	64
23	70	9.2	21	19	18	6.3	2.7	2.4	4.7	125	160	52
24	60	8.8	21	18	17	5.4	2.6	2.4	4.7	103	124	39
25	52	3.2	18	17	16	4.4	2.6	2.4	5.0	78	179	32
26	46	7.6	16	16	15	3.9	2.5	2.5	5.2	60	240	24
27	40	7.2	14	16	13	3.3	2.5	2.7	5.0	70	237	20
28	37	6.8	13	15	12	3.3	2.7	2.7	5.4	104	260	22
29	34	6.4	12	15	11	3.4	2.2	2.7	5.5	88	351	16
30	31	6.2	11	14	10	2.6	2.2	2.8	5.5	119	317	14
31	34	11	13	13	13	2.6	2.2	3.2	104	249	249	14
TOTAL	4,723	590.4	260.7	524	840	227.3	104.3	87.7	137.2	1,247.9	3,921	3,252
MEAN	152	19.7	8.41	16.9	30.0	7.33	3.48	2.83	4.57	40.3	126	108
MAX	470	45	23	24	76	15	4.2	5.5	5.5	140	351	237
MIN	31	6.2	3.8	11	12	7.6	2.2	2.2	3.0	5.5	31	14
CFSM	2,10	27	12	23	41	10	05	04	06	56	1.74	1.50
IN.	2.42	30	13	27	43	12	05	04	07	64	2.01	1.67
CAL YR 1960 TOTAL	71,512.7			MEAN 195	MAX 3,710	MIN 2.5	CFSM 2.70	IN 36.68				
WAT YR 1961 TOTAL	12,915.5			MEAN 43.6	MAX 470	MIN 2.2	CFSM .60	IN 8.16				

## 2-3100 Anclote River near Elfers, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT.
1	14	4.5	4.5	12	6.8	5.8	7.6	3.3	1.6	12	30	154
2	13	4.5	4.5	15	6.3	5.1	7.0	3.3	1.4	34	44	174
3	12	4.5	4.5	11	6.1	5.4	5.8	3.2	1.5	53	54	192
4	10	4.4	4.7	9.8	5.9	5.3	5.1	2.9	1.4	54	53	182
5	9.3	4.4	4.7	9.3	5.9	5.1	4.5	2.4	1.0	42	47	158
6	8.3	4.7	4.7	10	6.3	5.0	3.8	2.5	1.5	31	38	133
7	7.0	4.7	4.7	11	7.0	4.8	3.4	2.8	1.9	23	28	111
8	6.3	4.7	4.7	11	7.0	4.7	6.8	3.0	1.3	17	21	98
9	5.6	4.4	4.7	10	7.4	4.7	8.6	3.0	1.3	13	16	94
10	5.3	4.4	4.7	9.3	9.0	4.5	8.1	3.0	1.4	8.6	11	98
11	5.0	4.4	4.8	11	7.6	4.4	7.6	4.0	1.7	7.2	14	110
12	4.8	4.4	4.7	17	9.0	4.4	7.0	2.9	2.2	6.3	72	136
13	4.8	4.4	5.1	18	8.8	4.5	6.1	2.8	3.9	4.4	85	150
14	4.7	4.4	4.6	17	8.6	3.3	5.6	3.3	5.8	3.8	50	175
15	4.7	4.3	5.0	16	8.1	3.6	5.3	3.1	3.4	9.1	34	186
16	4.7	4.3	5.0	14	7.9	9.3	5.0	3.6	2.5	18	36	164
17	4.8	4.3	5.1	13	8.3	14	4.8	3.6	2.9	21	46	134
18	4.0	4.3	5.3	11	9.3	14	4.7	3.2	4.5	18	95	118
19	4.8	4.3	6.5	10	8.1	13	4.4	3.0	3.7	15	159	105
20	4.7	4.3	7.4	9.6	7.9	11	3.7	2.7	3.8	11	168	161
21	4.7	4.4	7.6	9.0	7.6	9.6	3.1	2.6	22	12	164	308
22	4.8	4.3	6.5	8.3	7.4	8.3	3.0	2.4	32	21	256	477
23	5.0	4.8	6.1	8.1	7.2	14	3.0	2.2	27	21	411	453
24	5.0	4.7	6.1	7.9	7.0	7.2	3.0	1.3	25	22	475	524
25	4.8	4.7	5.8	7.6	6.8	26	3.0	1.0	23	19	410	566
26	4.8	4.5	5.6	7.4	6.5	28	3.0	.80	21	16	390	440
27	4.8	4.5	5.6	7.2	6.3	21	3.1	.80	20	12	342	322
28	4.7	4.4	5.4	7.9	6.1	19	3.1	.80	17	13	252	248
29	4.7	4.5	5.9	8.1	7.5	15	3.2	1.0	16	22	213	197
30	4.5	4.4	5.9	7.6	-----	12	3.2	1.2	10	20	179	167
31	4.5	-----	6.1	7.2	-----	9.3	-----	1.4	-----	19	141	-----
TOTAL	190.9	133.6	167.4	331.3	207.2	318.0	145.6	76.90	259.7	598.4	4,334	6,484
MEAN	6.16	4.46	5.40	10.7	7.40	10.3	4.85	2.48	8.66	19.3	44.0	216
MAX	14	4.8	7.6	18	9.0	14	8.6	4.0	3.9	54	159	566
MIN	4.5	4.3	4.5	7.2	5.9	3.3	3.0	.80	1.0	3.8	11	94
CFSM	.08	.06	.07	.15	.10	.14	.07	.03	.12	.27	1.93	2.98
IN	10	07	.09	17	.11	.16	.07	.04	.13	.31	2.22	3.33

CAL YR 1961 TOTAL 10,633.6 MEAN 29.7 MAX 351 MIN 2.2 CFSM .41 IN 5.56  
WAT YR 1962 TOTAL 13,247.3 MEAN 36.3 MAX 566 MIN .80 CFSM .50 IN 6.80

Note --Shifting-control method used Oct 1 to Aug 23

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEPT.
1	142	9.0	7.0	6.1	8.6	398	26	7.6	2.3	9.8	148	16
2	126	7.9	6.8	5.9	7.6	325	24	7.0	2.2	28	125	40
3	110	7.9	6.5	5.5	7.0	472	21	7.0	2.1	28	106	36
4	95	6.6	6.1	5.0	8.0	599	19	6.5	1.9	26	88	28
5	84	5.8	5.9	4.5	9.4	572	18	6.1	2.0	22	76	23
6	70	3.8	5.8	4.7	117	459	17	5.8	1.8	19	63	25
7	79	3.3	5.8	5.5	130	355	16	5.3	1.6	16	54	32
8	50	7.6	5.8	6.1	127	284	15	5.6	1.6	13	46	37
9	44	9.3	5.6	6.1	116	247	14	4.8	1.6	11	39	33
10	42	12	5.6	5.9	101	296	13	4.7	1.6	16	34	30
11	39	13	5.6	5.9	88	358	12	4.5	1.6	38	32	25
12	35	13	5.6	5.6	96	334	11	4.7	1.6	164	30	25
13	31	16	5.6	5.5	114	275	10	4.4	1.6	229	27	65
14	28	17	5.6	5.3	137	230	9	4.3	1.5	243	26	98
15	25	11	5.5	5.3	126	194	9.0	4.2	1.5	285	24	72
16	22	17	5.5	5.3	113	166	8.8	4.0	1.5	237	23	47
17	19	15	5.5	5.6	107	143	8.8	3.7	1.5	302	20	33
18	17	14	5.5	5.6	101	124	8.6	3.5	1.4	495	20	29
19	15	12	5.5	5.6	122	108	8.6	3.4	1.4	418	22	40
20	12	11	5.3	5.6	165	93	8.3	3.4	1.3	286	32	111
21	11	11	5.3	7.6	185	84	8.3	3.3	1.5	203	26	153
22	11	12	5.3	9.0	170	73	8.3	3.3	1.6	178	28	158
23	14	11	5.1	16	142	65	8.3	3.2	1.5	283	23	230
24	13	13	5.1	65	131	57	8.3	3.0	1.8	445	22	346
25	12	10	4.8	97	143	51	8.1	2.9	1.8	486	21	324
26	11	9.6	5.8	120	210	46	8.1	3.0	1.7	480	19	248
27	8.6	8.8	7.4	122	378	42	7.9	2.9	1.9	409	21	196
28	7.4	7.9	7.0	131	470	39	7.6	3.0	2.3	308	23	159
29	6.5	7.4	6.8	130	-----	35	7.2	2.8	2.2	235	21	127
30	5.9	7.2	6.8	116	-----	32	7.0	3.1	2.3	196	19	107
31	6.8	-----	6.5	99	-----	28	-----	2.6	-----	173	17	-----
TOTAL	1,172.4	329.1	182.0	1,023.2	3,997	6,614	356.8	133.0	52.2	6,281.8	1,275	2,893
MEAN	37.8	11.0	5.87	33.0	126	213	11.9	4.29	1.74	203	41.1	96.4
MAX	142	18	7.4	131	470	599	26	7.6	2.3	495	148	346
MIN	5.9	7.2	4.8	4.5	7.0	28	7.0	2.6	1.3	9.8	17	16
CFSM	.52	.15	.08	.46	1.97	2.94	.16	.06	.02	2.80	.57	1.33
IN	.60	.17	.09	.52	2.05	3.19	.18	.07	.03	3.22	.65	1.48

CAL YR 1962 TOTAL 14,438.6 MEAN 39.6 MAX 566 MIN .80 CFSM .55 IN 7.41  
WAT YR 1963 TOTAL 24,309.5 MEAN 66.6 MAX 599 MIN 1.3 CFSM .92 IN 12.47

Note --Shifting-control method used Nov 2 to Jan 24 Mar 20 to July 11, Aug 4 to Sept 19

## 2-3100 Anclote River near Eilers, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	70	10	19	25	104	75	391	37	44	42	443	86
2	73	12	18	115	74	27	287	38	44	56	363	74
3	61	10	18	108	77	63	219	48	44	36	291	65
4	50	12	16	92	107	58	173	45	48	30	230	94
5	41	12	18	78	193	56	142	42	44	48	183	210
6	34	14	14	70	400	34	115	36	43	80	145	355
7	27	15	13	85	541	30	94	29	41	78	147	248
8	24	16	13	100	607	46	78	23	40	48	214	491
9	19	16	12	115	574	43	64	15	39	26	254	355
10	14	20	12	118	470	39	54	15	34	16	223	584
11	7.9	107	11	113	367	36	45	12	34	10	211	1,430
12	4.4	171	10	246	293	14	38	9.6	3.8	7.9	216	2,340
13	2.4	173	10	460	238	31	32	8.3	3.8	6.4	195	2,280
14	1.5	151	10	590	203	29	27	7.6	3.7	5.2	169	1,800
15	1.5	121	12	491	179	21	23	6.6	3.7	4.6	152	1,300
16	2.2	53	12	359	164	25	20	5.7	3.7	4.4	165	362
17	3.3	73	14	303	143	36	16	5.1	3.7	4.9	234	721
18	3.1	65	16	290	151	35	14	5.0	3.7	6.2	323	534
19	2.5	54	17	231	187	32	12	4.7	4.1	16	259	411
20	2.4	45	17	251	207	30	10	4.6	4.1	17	258	333
21	1.8	33	18	227	170	23	8.8	4.4	3.8	22	292	276
22	1.6	34	15	200	171	27	7.5	4.4	3.8	21	257	230
23	1.4	31	18	162	154	24	6.8	4.4	3.8	24	209	196
24	1.3	23	33	170	133	22	6.2	4.2	4.3	34	177	167
25	1.3	20	46	164	119	20	5.7	4.3	4.6	130	192	143
26	1.1	24	56	161	105	20	5.4	4.2	5.8	423	247	126
27	1.2	23	57	151	96	14	4.3	4.1	5.4	751	276	113
28	1.2	22	52	145	89	103	5.8	4.1	5.0	934	272	98
29	1.0	27	50	134	81	31	8.4	4.2	6.5	360	171	86
30	1.0	20	51	130	72	22	8.6	4.3	6.2	685	134	74
31	1.0	62	117	117	540	540	4.3	4.3	500	104	104	104
TOTAL	478.7	1,396.4	1,396.4	6,156	6,468	2,570	1,922.1	419.2	126.0	4,798.4	6,970	17,182
MEAN	15.4	45.0	45.0	199	208	82.3	64.1	13.5	4.2	155	225	573
MAX	88	175	62	530	607	572	391	46	5.6	934	443	2,540
MIN	1.3	1.0	10	66	51	20	4.9	4.1	3.7	4.2	104	65
CFSM	4.1	14	33	2.74	3.08	1.15	8.8	1.7	0.6	2.13	3.10	7.90
IN.	25	72	31	3.16	3.32	1.42	99	22	0.6	2.46	3.58	8.81
CAL YR 1963	TOTAL 2,124.5	MEAN 65.2	MAX 599	MIN 1.0	CFSM 95	IN 12.95						
WAT YR 1964	TOTAL 49,232.2	MEAN 135	MAX 2,540	MIN 1.0	CFSM 1.86	IN 25.25						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	73	18	4.4	12	14	32	9.0	3.7	2.6	44	1,190	161
2	75	16	4.3	11	13	33	8.2	3.5	2.6	27	1,540	140
3	62	14	4.4	10	12	38	7.0	3.6	2.6	17	1,300	179
4	74	15	4.5	10	12	46	6.4	3.6	2.7	13	1,050	209
5	72	12	10	9.5	11	53	5.7	3.6	2.6	12	900	222
6	60	6.2	20	9.0	13	58	5.3	3.3	2.7	11	800	194
7	63	6.5	35	10	14	54	5.0	3.5	3.0	11	700	160
8	58	6.1	35	8.1	15	47	4.6	3.3	3.1	21	600	120
9	55	5.4	30	7.6	14	43	4.5	3.4	3.0	24	400	116
10	50	5.5	25	7.2	13	38	4.1	3.2	3.5	25	692	130
11	45	5.2	20	7.2	12	33	4.3	3.3	3.6	55	611	148
12	41	5.2	15	7.6	11	29	4.2	3.2	5.7	71	571	123
13	37	5.0	13	7.4	10	28	4.2	3.5	6.4	74	677	95
14	36	5.1	15	7.0	11	34	4.1	3.3	5.6	89	638	76
15	34	5.2	13	13	12	33	4.0	3.3	5.0	96	503	62
16	31	5.2	13	21	12	32	4.1	3.0	4.8	98	517	55
17	28	5.0	13	24	12	40	3.4	3.0	4.6	158	524	56
18	25	5.1	11	23	12	27	3.4	2.8	12	188	483	56
19	23	4.8	11	21	11	24	3.8	2.8	21	161	404	46
20	20	4.6	11	19	9.8	24	3.4	2.8	14	122	323	39
21	18	4.8	10	17	9.0	25	4.1	2.8	9.2	99	287	33
22	16	4.9	10	16	8.2	24	4.1	2.8	8.0	92	309	28
23	15	4.8	10	15	7.4	24	4.2	2.7	10	10	260	30
24	14	4.9	10	16	52	21	4.1	2.7	8.6	70	206	58
25	12	4.7	9.7	22	43	19	4.3	2.8	7.5	56	173	96
26	12	4.7	8.9	22	43	17	4.2	3.0	7.4	66	205	86
27	11	4.9	8.4	22	43	15	3.4	2.7	7.6	139	201	142
28	10	4.6	9.0	20	37	14	3.8	2.7	8.7	163	186	140
29	9.4	4.5	13	18	-----	13	3.8	2.7	9.0	179	238	218
30	8.2	4.5	15	17	-----	12	3.8	2.8	32	305	199	296
31	8.4	-----	13	15	-----	10	-----	2.7	-----	636	165	-----
TOTAL	1,145.7	166.4	420.6	443.2	405.0	930	140.7	36.4	224.3	3,208	17,259	3,534
MEAN	37.0	5.55	13.8	14.3	16.0	30.0	4.69	3.11	7.48	103	557	118
MAX	98	18	35	24	43	58	9.0	3.6	32	636	1,540	296
MIN	8.4	4.5	4.3	7.4	8.2	10	3.8	2.7	2.6	11	165	28
CFSM	5.1	08	19	20	23	41	06	04	10	1.43	7.68	1.62
IN.	5.9	09	22	23	24	48	07	05	12	1.65	8.85	1.81
CAL YR 1964	TOTAL 48,356.4	MEAN 132	MAX 2,540	MIN 3.7	CFSM 1.82	IN 24.81						
WAT YR 1965	TOTAL 21,039.3	MEAN 76.8	MAX 1,540	MIN 2.6	CFSM 1.06	IN 14.38						

Note --Shifting-control method used Apr 27 to July 15

## 2-3102 4 Jumping Gully at Loyce, Fla

Location --Lat 28°23'05" long 82°29'22", in NE $\frac{1}{4}$  sec 22, T 24 S, R 18 E, at center of span on upstream side of bridge on U S Highway 41, 100 ft downstream from concrete control at Pasco Lakes Estates, 0.3 mile north of Loyce, Pasco County,  $\frac{2}{3}$  miles upstream from Crews Lake, and 4.4 miles southwest of Masaryktown

Drainage area --43 sq mi, approximately

Records available --May 1964 to September 1965

Gage --Staff gage read once daily Datum of gage is at mean sea level, datum of 1929

Extremes --1964 Maximum discharge during period May to September, 920 cfs Sept 18 (gage height, 65.50 ft), from rating curves extended above 260 cfs by logarithmic plotting, no flow May 20 to June 8, June 16-23, gully dry at gage May 22 to June 6, June 16-22  
1964-65 Maximum discharge during water year, 210 cfs Aug 16 (gage height, 65.40 ft), no flow May 3 to July 9, gully dry at gage May 8 to July 8

Remarks --Records good except those above 300 cfs, which are poor Pasco Lake concrete control 100 ft upstream Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, MAY TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1								-	0	2.2	56	14
2								-	0	1.2	63	15
3								-	0	6.7	58	14
4								-	0	12	56	14
5								-	0	12	53	13
6								-	0	12	47	12
7								-	0	13	34	12
8								-	0	12	31	9.5
9								-	0	11	28	8.9
10								-	14	9.2	27	14
11								5.8	3.0	9.8	24	81
12								5.6	19	13	20	163
13								5.1	9.2	14	20	520
14								5.4	3.9	7.6	20	615
15								5.8	10	5.4	19	549
16								4.9	0	4.7	20	277
17								4.4	0	7.6	19	246
18								4.2	0	12	18	658
19								9	0	16	16	890
20								0	0	22	16	860
21								0	0	18	15	838
22								0	0	20	16	796
23								0	0	20	16	652
24								0	0	44	67	412
25								0	0	79	100	192
26								0	0	80	27	129
27								0	0	68	18	101
28								0	0	63	16	103
29								0	0	75	16	85
30								0	0	67	15	79
31								0	0	56	15	79
TOTAL								-	49.90	795.4	966	8,372.4
MEAN								-	1.66	25.7	31.2	279
MAX								-	19	80	100	890
MIN								-	0	1.2	15	8.9
CFSM								-	04	60	72	6.49
IN								-	04	69	84	7.24

2-3102 4 Jumping Gully at Loyce, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	11	.90	6.4	5.9	11	6.9	.10	0	0	41	63
2	50	9.3	.80	5.9	6.4	11	4.7	.10	0	0	52	62
3	49	9.0	.70	5.9	7.2	12	3.6	0	0	0	65	65
4	48	9.0	.80	6.2	7.9	15	3.2	0	0	0	69	65
5	48	8.7	10	5.9	7.9	14	2.8	0	0	0	119	62
6	48	8.4	12	5.7	7.9	14	2.2	0	0	0	111	58
7	45	7.9	12	5.6	7.4	14	1.6	0	0	0	85	57
8	41	5.9	12	5.0	6.9	14	1.2	0	0	0	78	57
9	37	5.6	12	4.5	5.9	14	.90	0	0	0	77	54
10	35	5.0	12	4.2	5.9	14	.70	0	0	.10	95	49
11	33	4.9	12	4.2	5.7	14	.60	0	0	.60	129	44
12	32	4.5	12	3.8	5.6	14	.60	0	0	2.6	175	42
13	28	4.2	12	3.6	5.2	15	.60	0	0	5.4	185	39
14	25	4.1	13	4.0	4.9	15	.60	0	0	11	182	37
15	24	3.8	12	7.2	4.5	16	.40	0	0	12	180	35
16	23	3.1	11	8.2	4.2	15	.30	0	0	13	200	32
17	22	2.7	11	7.4	4.1	15	.20	0	0	13	202	30
18	22	2.5	10	6.4	4.0	14	.20	0	0	12	178	28
19	21	2.3	10	6.2	3.6	14	.20	0	0	11	160	26
20	19	2.1	9.0	6.2	3.4	14	.20	0	0	11	140	24
21	18	1.9	8.4	5.9	3.0	14	.20	0	0	14	119	23
22	17	1.4	8.2	5.9	2.8	13	.20	0	0	13	113	21
23	16	1.2	7.9	6.2	3.4	13	.20	0	0	12	101	20
24	15	1.2	7.9	8.7	7.9	13	.20	0	0	13	87	22
25	15	1.1	7.9	9.0	11	12	.20	0	0	11	81	24
26	17	1.0	8.2	8.4	11	12	.20	0	0	12	79	25
27	18	.90	8.7	7.9	11	12	.20	0	0	11	77	28
28	18	.90	8.4	7.6	11	11	.20	0	0	11	74	34
29	16	1.2	7.9	7.2	-----	11	.10	0	0	16	72	40
30	13	1.2	7.9	6.4	-----	10	.10	0	0	21	67	51
31	11	-----	7.2	5.9	-----	9.3	-----	0	-----	34	66	-----
TOTAL	874	126.00	273.80	191.6	175.6	409.3	33.50	0.20	0	259.70	3,459	1,217
MEAN	28.2	4.20	8.83	6.18	6.27	13.2	1.12	.007	0	8.38	112	40.6
MAX	50	11	13	9.0	11	16	6.9	.10	0	34	202	65
MIN	11	.90	.70	3.6	2.8	9.3	.10	0	0	0	41	20
CFSM	.66	.10	.21	.14	.15	.31	.03	.0001	0	.19	2.59	.94
IN	70	.11	.24	.17	.15	.35	.03	.0001	0	.22	2.99	1.05
CAL YR 1966	TOTAL	7,019.70	MEAN	MEAN 19.2	MAX	MAX 202	MIN	MIN 0	CFSM	IN	IN 6.07	
WAT YR 1965	TOTAL								CFSM	IN		

2-3103 Pithlachascotee River near New Port Richey, Fla

Location --Lat 28°15'19", long 82°39'37", in NW¼ sec 1, T 26 S, R 16 E, near left bank just downstream from end of private road, 3.8 miles east of New Port Richey, Pasco County, and 8½ miles upstream from mouth

Drainage area --182 sq mi

Records available --March 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 7.06 ft above mean sea level, datum of 1929 Prior to May 20, 1965, graphic water-stage recorder at same site and datum

Extremes --1963 Maximum discharge during period March to September, 219 cfs Sept 23 (gage height, 8.28 ft), minimum, 0.30 cfs May 26, June 18, 19, 20 (gage height, 1.50 ft)  
 1963-64 Maximum discharge during water year, 1,410 cfs Sept 11 (gage height, 11.91 ft), minimum, 1.0 cfs June 17, 18, 19 (gage height, 1.59 ft)  
 1964-65 Maximum discharge during year, 672 cfs Aug 1 (gage height, 10.75 ft), minimum, 0.90 cfs June 6 (gage height, 1.52 ft)

Remarks --Records good except those below 5.0 cfs, which are fair

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1						-	11	1.7	.90	40	125	26
2						-	9.4	1.7	.80	40	118	25
3						-	8.4	1.8	3.5	33	113	23
4						-	7.6	2.7	6.0	26	105	25
5						-	6.9	3.4	5.3	22	102	23
6						-	6.1	3.4	4.2	19	90	21
7						-	6.6	3.2	2.8	16	81	20
8						-	6.7	2.6	2.1	13	74	19
9						-	6.1	2.2	1.7	11	68	22
10						-	5.6	1.7	2.1	14	63	23
11						-	5.2	1.5	2.9	26	59	25
12						-	4.8	1.3	2.5	45	58	24
13						138	4.6	1.4	1.8	91	52	21
14						116	4.4	1.2	1.3	91	50	21
15						99	4.1	1.1	.90	74	49	28
16						85	3.9	.90	60	63	46	32
17						72	3.6	.90	50	66	41	28
18						63	3.3	.80	.50	77	37	25
19						54	3.1	.70	.50	72	50	29
20						48	2.9	.70	.40	94	52	28
21						43	2.9	.70	.80	97	42	28
22						36	2.7	.60	1.0	91	42	34
23						31	2.6	.60	.90	114	36	150
24						28	2.5	.50	1.2	150	34	178
25						25	2.4	.50	1.4	204	32	164
26						22	2.3	.50	1.2	203	30	136
27						20	2.2	1.2	3.0	178	26	116
28						18	2.1	1.7	8.2	150	25	110
29					-----	16	1.9	1.3	19	134	27	102
30					-----	14	1.7	1.2	30	124	30	89
31		-----			-----	12	-----	1.1	-----	120	30	-----
TOTAL							137.6	44.80	108.00	2,498	1,787	1,595
MEAN							4.54	1.45	3.60	80.6	57.6	51.2
MAX							11	3.4	30	204	125	178
MIN							1.7	.50	.40	11	25	19
CFSP							.03	.008	.02	.44	.32	.29
IN.							.03	.009	.02	.51	.37	.33

## 2-3103 Pithlachascotee River near New Port Richey, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	76	2.3	17	52	57	50	99	15	1.3	4.6	227	34
2	66	2.7	16	62	51	47	83	45	1.3	10	179	42
3	58	2.4	14	58	43	44	70	54	1.3	55	138	36
4	50	2.5	14	52	59	42	61	44	1.4	64	104	34
5	43	2.5	14	45	105	40	52	34	3.7	87	81	80
6	37	3.9	13	40	207	41	46	25	6.8	125	65	128
7	32	4.8	12	48	230	38	39	20	9.5	57	76	84
8	28	4.5	11	54	253	37	33	16	5.5	38	68	64
9	25	4.1	11	57	250	34	29	13	2.7	28	87	51
10	21	4.5	10	61	223	32	25	10	2.2	20	89	197
11	19	73	9.3	60	133	30	27	8.1	1.9	15	75	1,080
12	17	84	8.9	145	158	27	19	6.7	1.7	12	61	1,170
13	15	84	8.6	238	128	25	16	5.9	1.4	9.4	50	890
14	13	73	8.8	227	103	23	14	6.9	1.3	7.3	45	750
15	12	62	9.7	145	85	22	12	6.8	1.3	6.0	40	564
16	11	52	10	145	72	21	10	6.1	1.2	5.7	35	468
17	9.5	44	11	139	66	74	8.8	5.4	1.2	4.8	34	400
18	8.5	40	12	154	68	75	7.5	4.6	1.1	13	35	338
19	7.7	35	13	150	79	77	6.5	3.8	1.2	14	35	294
20	7.3	30	12	130	81	50	5.7	3.2	1.3	15	40	258
21	6.6	25	12	117	74	44	5.0	2.7	1.6	22	47	227
22	5.8	23	11	98	70	37	4.5	2.3	3.0	36	51	208
23	5.3	21	13	86	66	32	4.1	2.1	2.4	40	46	195
24	4.9	19	21	81	63	27	3.8	1.9	3.2	53	45	184
25	4.7	19	27	81	62	24	3.6	1.8	10	79	46	175
26	4.3	21	33	81	58	24	3.3	1.7	7.9	257	45	178
27	4.0	20	33	73	50	33	3.3	1.6	12	422	42	164
28	3.6	17	31	73	54	59	4.7	1.5	6.7	374	44	156
29	3.3	20	30	70	52	132	11	1.4	5.5	308	42	149
30	2.9	19	29	65	-----	157	11	1.4	4.8	280	36	134
31	2.5	-----	30	62	-----	124	-----	1.4	-----	270	32	-----
TOTAL	604.9	d61.7	111.3	2,984	3,071	1,504	712.3	353.3	100.3	2,731.8	2,040	8,732
MEAN	19.5	23.7	10.5	96.3	100	44.5	23.7	11.4	3.34	88.1	65.8	291
MAX	76	89	36	238	253	157	99	12	12	422	227	1,170
MIN	2.3	2.3	8.6	43	21	3.3	3.3	1.4	1.1	4.6	32	34
CFSM	1.16	1.16	4.09	53	58	27	13	4.06	4.02	4.8	36	1.60
IN.	4.12	16	10	61	63	31	15	07	4.02	5.6	42	1.78
CAL YR 1963	TOTAL	24,235.6	MEAN	66.1	MAX	1,170	MIN	1.1	CFSM	36	IN	4.95

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	124	12	5.2	12	15	32	11	2.6	1.3	6.9	643	105
2	123	12	4.9	12	15	32	9.6	2.4	1.2	5.9	540	106
3	115	17	4.8	11	14	38	8.5	2.0	1.2	5.0	439	108
4	105	11	4.7	11	13	48	7.6	1.7	1.2	4.7	388	103
5	102	13	5.6	10	13	45	6.7	1.6	1.2	4.6	372	97
6	95	9.3	5.4	9.5	12	48	5.9	1.5	1.1	4.2	319	91
7	85	9.4	4.3	9.0	19	46	5.3	1.5	1.3	5.1	274	84
8	73	8.9	3.8	8.5	21	47	4.8	1.5	2.0	6.5	254	76
9	70	3.4	3.0	8.1	19	37	4.3	1.4	2.0	10	331	82
10	65	8.0	25	7.7	18	33	4.0	1.4	2.1	14	390	73
11	59	7.7	22	7.8	16	29	3.6	1.4	8.7	21	357	69
12	54	7.4	20	7.6	15	26	3.3	1.4	9.1	39	380	64
13	50	7.0	18	7.4	14	25	3.0	1.3	10	38	340	57
14	48	6.5	17	7.5	14	24	3.3	1.3	6.8	61	230	51
15	46	6.1	17	16	15	28	2.4	1.3	6.1	32	238	48
16	44	5.3	15	23	14	28	2.7	1.3	7.5	19	227	46
17	37	5.6	14	24	14	26	3.8	1.3	6.9	42	237	52
18	36	5.4	14	23	13	24	3.3	1.3	6.8	61	230	51
19	33	5.3	14	21	12	22	2.7	1.3	9.1	49	214	46
20	30	5.2	13	20	11	25	2.4	1.3	6.3	38	193	41
21	26	5.6	12	19	10	29	2.2	1.3	4.7	33	180	36
22	24	5.7	12	17	9.4	27	2.2	1.3	4.6	29	214	33
23	23	5.2	11	16	15	25	3.8	1.3	14.1	27	191	32
24	21	6.1	11	17	15	24	3.4	1.3	9.6	22	172	44
25	20	6.4	10	21	40	21	6.2	1.5	7.9	18	156	53
26	19	9.3	9.8	20	42	19	5.8	2.2	8.7	33	136	64
27	17	6.0	12	21	40	17	4.7	1.9	9.6	73	121	98
28	16	7.7	14	20	36	16	14	1.7	5.4	54	112	157
29	15	5.7	14	18	-----	15	3.8	1.5	11	55	103	151
30	14	5.6	14	17	-----	13	3.1	1.4	8.4	124	104	189
31	13	-----	13	16	-----	12	-----	1.3	-----	367	104	-----
TOTAL	1,610	223.9	544.4	456.1	524.4	881	137.0	47.5	185.3	1,285.9	8,238	2,301
MEAN	51.9	7.66	17.6	14.8	16.7	28.4	4.57	1.53	6.18	41.5	266	76.7
MAX	124	12	5.4	24	42	48	11	2.6	14	367	643	189
MIN	13	4.2	4.7	7.4	9.4	12	2.2	1.3	1.1	4.2	103	32
CFSM	2.7	0.4	1.0	0.8	1.0	1.6	0.3	0.08	0.3	23	1.46	4.42
IN.	5.33	05	11	09	11	18	03	01	0.04	0.26	1.68	4.7
CAL YR 1964	TOTAL	24,607.0	MEAN	67.2	MAX	1,170	MIN	1.1	CFSM	37	IN	5.03
WAT YR 1965	TOTAL	16,436.5	MEAN	45.0	MAX	643	MIN	1.1	CFSM	25	IN	3.36



## 2-3103 5 Bear Creek near Hudson, Fla

Location --Lat 28°19'10", long 82°39'06", in SE $\frac{1}{4}$  sec 12, T 25 S, R 16 E, at bridge on county road, 1.5 miles upstream from Bear Sink, and 4.2 miles southeast of Hudson, Pasco County

Drainage area --22 sq mi

Records available --March to September 1965

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

Extremes --1965 Maximum discharge during period March to September, 350 cfs Aug 1 (gage height, 16.30 ft), from rating curve extended above 180 cfs on basis of velocity-area study, minimum, 0.10 cfs May 16, 17, 20-24, June 2-7, minimum gage height, 12.22 ft June 3, 6, 7

Remarks --Records good except those above 180 cfs, which are fair. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1						-	5 2	0 5	0 2	5 4	336	24
2						-	4 0	4	1	4 2	332	20
3						-	4 0	4	1	3 4	294	19
4						-	3 5	3	1	3 1	226	20
5						-	2 9	3	1	2 6	193	20
6						-	2 6	2	1	2 3	166	17
7						-	2 2	2	1	2 0	135	15
8						-	1 9	2	4	2 1	118	13
9						-	1 7	2	4	2 3	151	13
10						-	1 6	2	4	5 3	171	12
11						-	1 4	2	7 4	15	155	11
12						-	1 2	2	6 4	49	142	9 4
13						-	1 1	2	4 8	53	128	7 8
14						-	1 1	2	3 8	50	109	7 8
15						-	8	2	4 5	46	90	11
16						-	1 5	1	6 4	38	111	15
17						15	1 9	1	4 2	46	135	21
18						14	1 2	2	3 2	72	115	23
19						12	1 0	2	3 7	64	94	22
20						13	8	1	2 6	52	77	19
21						15	7	1	1 8	41	68	16
22						14	1 1	1	1 9	33	69	13
23						13	1 3	1	6 6	24	66	12
24						12	1 2	1	5 8	18	60	16
25						10	2 6	9	7 8	14	54	20
26						9 0	2 2	1 1	9 0	13	50	21
27						8 0	1 6	5	11	19	44	39
28						7 7	1 3	4	11	19	41	45
29						7 2	1 0	3	7 6	20	37	46
30						6 5	7	2	7 7	50	32	46
31						5 8	-----	2	-----	184	28	-----
TOTAL						-	56 1	8 6	119 2	952 7	3,827	594 0
MEAN						-	1 87	78	3 97	30 7	123	19 8
MAX						-	5 2	1 1	11	184	336	46
MIN						-	7	1	1	2 0	28	7 8
CFSM						-	09	01	18	1 40	5 59	90
IN						-	09	01	20	1 61	6 47	1 00

## 2-3105 Weekiwachee Springs near Brooksville, Fla

Location --Lat 28°31'00", long 82°34'25", in NE $\frac{1}{4}$  sec 2, T 23 S, R 17 E, on west side of pool at spring at head of Weekiwachee River, 12 miles southwest of Brooksville, Hernando County

Records available --1917, 1929-30 (one discharge measurement in each year), February 1931 to September 1965 (discharge measurements only)

Gage --Staff gage read only when discharge measurements are made. Datum of gage is 8.12 ft above mean sea level, datum of 1929

Average discharge --293 measurements (1917, 1929-65), 173 cfs (112 mgd)

Extremes --1931-65 Maximum discharge measured, 275 cfs Oct 19, 1964, maximum gage height observed, 3.86 ft Sept 9, 1960, minimum discharge measured, 101 cfs July 24, 1956, minimum gage height observed, 0.58 ft Aug 5, 1932

Remarks --Discharge measurements made about 1 mile downstream from head of springs. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

Discharge measurements, in cubic feet per second, water years 1961-65

Nov 4, 1960	258	July 15, 1963	169
Jan 10, 1961	243	Sept 3	196
Mar 6	243		
May 4	216	Oct 11, 1963	198
June 20	208	Nov 21	172
Aug 17	216	Jan 10, 1964	170
		Mar 9	192
Oct 4, 1961	203	May 5	194
Nov 29	214	June 12	203
Jan 25, 1962	197	Aug 12	242
Mar 29	180		
May 25	155	Oct 19, 1964	275
July 19	182	Dec 3	247
Sept 13	242	Jan 12, 1965	238
		Mar 2	246
Nov 28, 1962	194	Apr 13	218
Dec 27	166	Apr 26	223
Feb 14, 1963	198	July 13	224
Apr 9	213	Aug 26	244
June 3	173		

2-3105 5 Weekiwachee River near Bayport, Fla

Location --Lat 28°31'56", long 82°37'38" in NW 1/4 sec 32, T 22 S, R 17 E, near left bank, just upstream from bridge on State Highway 595, 1 mile upstream from Mud River 1 1/2 miles southeast of Bayport, Hernando County, 1 9 miles upstream from mouth, and 5 3 miles downstream from Weekiwachee Springs

Records available --February 1964 to September 1965

Gage --Water stage and deflection-meter recorder Datum of gage is 10 00 ft below mean sea level, datum of 1929

Extremes --1964 Maximum daily discharge during period February to September, 430 cfs Sept 11, maximum gage height, 14 62 ft Sept 10, minimum daily discharge, 209 cfs Apr 6, 19, June 3, minimum gage height, 10 14 ft Feb 12

1964-65 Maximum daily discharge during water year, 353 cfs Aug 2 maximum gage height, 13 85 ft Feb 25, minimum daily discharge, 254 cfs June 6, 23, 24, minimum gage height, 10 47 ft Feb 5

Remarks --Records good Flow affected by tide Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1964

DAY	UCT.	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					-	213	222	216	216	211	270	277
2					-	226	225	245	210	216	269	280
3					-	222	220	209	221	221	283	283
4					-	222	218	237	213	218	276	290
5					-	213	210	224	221	242	264	286
6					-	213	209	223	224	231	261	275
7					-	212	212	229	231	227	266	280
8					-	211	219	233	236	231	269	271
9					-	215	219	238	229	233	260	275
10					-	219	212	241	226	235	265	301
11					236	218	215	247	224	235	263	430
12					222	218	220	238	223	239	267	423
13					226	216	220	216	223	234	265	414
14					240	220	226	226	222	228	268	354
15					232	230	218	232	218	227	257	338
16					236	220	216	226	212	225	260	329
17					220	220	215	224	213	227	263	334
18					235	220	215	217	211	233	266	334
19					236	220	209	213	214	229	272	339
20					231	230	218	219	215	272	278	331
21					221	219	218	223	214	264	277	327
22					222	219	223	223	218	253	280	332
23					216	212	222	222	214	257	276	334
24					220	215	221	235	221	271	276	330
25					226	218	220	235	233	283	280	324
26					235	235	221	233	224	361	278	313
27					231	220	225	235	223	328	275	307
28					247	227	235	235	218	293	270	308
29					219	228	228	234	218	279	274	305
30					-----	18	224	223	216	277	270	311
31					-----	215	-----	218	-----	273	271	-----
TOTAL					-	6,810	6,549	7,152	6,589	7,753	8,369	9,635
MEAN					-	220	218	231	220	250	270	321
MAX					-	235	228	247	236	361	283	430
MIN					-	211	209	207	209	211	257	271
AC-FT					-	13,510	12,990	14,100	13,070	15,380	16,600	19,110

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	UCT.	NOV	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	313	301	300	299	291	269	282	273	260	261	332	279
2	312	300	300	305	296	303	281	275	269	262	353	280
3	317	304	300	308	278	305	276	275	259	263	320	282
4	324	307	306	298	275	315	278	275	262	270	307	283
5	314	302	306	298	278	313	280	275	258	263	304	274
6	310	305	306	310	289	334	285	274	254	256	300	272
7	303	305	300	301	295	291	281	270	261	257	300	267
8	308	306	300	300	289	295	284	270	265	257	300	255
9	311	304	300	298	286	290	260	270	265	256	293	291
10	307	300	300	297	286	296	286	274	264	262	290	289
11	310	300	298	300	286	294	275	271	284	257	290	289
12	310	299	303	291	290	295	276	272	276	265	291	289
13	306	301	301	294	291	302	278	276	281	265	290	283
14	308	293	295	273	297	299	271	270	275	260	287	284
15	312	296	281	300	292	303	272	263	258	262	285	284
16	323	296	293	318	285	303	282	267	281	261	285	285
17	319	301	295	292	292	300	272	270	269	269	287	284
18	317	308	313	292	290	306	269	267	272	267	279	291
19	310	303	286	298	291	301	272	264	268	267	278	274
20	317	310	305	301	287	303	271	261	266	267	280	273
21	301	310	302	297	287	278	268	261	267	268	285	276
22	309	310	302	290	285	284	266	257	258	260	286	272
23	311	310	303	294	283	295	266	258	254	261	284	281
24	311	310	305	297	294	289	264	258	254	264	283	285
25	302	310	303	294	325	293	268	259	264	266	278	293
26	307	310	303	295	291	288	270	262	262	268	282	281
27	306	310	311	288	276	289	273	261	262	264	278	286
28	302	310	299	280	283	284	273	263	261	265	276	285
29	305	310	297	286	-----	282	276	261	260	275	279	288
30	304	310	297	293	-----	288	270	261	262	271	274	297
31	305	-----	299	308	-----	286	-----	262	-----	324	280	-----
TOTAL	9,634	9,151	9,301	9,208	8,093	9,198	8,242	8,275	7,954	8,273	9,031	8,454
MEAN	311	305	300	297	269	297	275	267	265	267	291	282
MAX	339	310	313	318	325	334	286	276	284	324	353	297
MIN	301	296	281	280	276	278	254	257	256	256	274	255
AC-FT	19,110	18,150	18,450	18,260	16,050	18,240	16,350	16,410	15,780	16,410	17,910	16,770
CAL YR 1964	TOTAL	9,634	TOTAL	9,301	MEAN	297	MAX	339	MIN	296	AC-FT	18,150
WAT YR 1965	TOTAL	104,814	MEAN	287	MAX	353	MIN	254	AC-FT	207,900		

## 2-3107 Homosassa River at Homosassa, Fla

Location --Lat 28°47'06", long 82°37'05", in NE¼ sec 31 T 19 S, R 17 E, near left bank on private pier, 0.3 mile northwest of town of Homosassa, Citrus County, 0.4 mile upstream from Otter Creek, and 5.3 miles upstream from mouth

Records available --January 1964 to September 1965 (discharge measurements only)

Miscellaneous discharge measurements of spring flow made at site about 2½ miles upstream for some periods prior to January 1964

Gage --Water-stage and deflection-meter recorder Datum of gage is 10.00 ft below mean sea level, datum of 1929

Extremes --1964 Maximum discharge measured during period January to September, 457 cfs Mar 4, maximum gage height, 14.84 ft Sept 10 minimum discharge measured 371 cfs July 15 minimum gage height, 9.29 ft Feb 12  
1964-65 Maximum discharge measured during water year, 780 cfs Oct 8 maximum gage height 13.24 ft Feb 25, minimum discharge measured, 528 cfs Apr 2 minimum gage height, 8.27 ft Sept 9  
Maximum discharge measured prior to January 1964, 222 cfs Mar 7, 1963, minimum measured, 125 cfs Apr 3, 1946

Remarks --Tide affected Discharge measurements made at gage site during period Jan 31, 1964, to Sept 30, 1965, are listed below Discharge measurements of flow of Homosassa Springs and Southeast Fork Homosassa Springs about 2½ miles upstream, and Halls River in NE¼ sec 29, T 19 S, R 17 E, for water year 1965, are given in tables below Records of chemical analyses for the water years 1964-65 and water temperatures for the water year 1965 are published in reports of the Geological Survey

Discharge measurements, in cubic feet per second, of Homosassa River at Homosassa, January 1964 to September 1965				
Mar 4, 1964	457	D 9, 1964		660
4	440			758
19	374	Apr 2, 1965		528
July 15	371			541
15	442			538
Oct 8, 1964	780			

Discharge measurements, in cubic feet per second, of Homosassa Springs and Southeast Fork Homosassa Springs, water year 1965					
Oct 8	239	Aug 4	257	Sept 1	224

Discharge measurements, in cubic feet per second, of Halls River near Homosassa, water year 1965					
Oct 8	227	Aug 2	227	Sept 1	120

## 2-3107 b Crystal River near Crystal River, Fla

Location --Lat 28°54'17", long 82°38'13", in SE¼ sec 13, T 18 S, R 16 E, at left bank, 0.1 mile upstream from Salt River, 2.7 miles west of town of Crystal River, Citrus County, and 4 miles upstream from mouth

Records available --February 1964 to September 1965

Gage --Water stage and deflection-meter recorder Datum of gage is 10.00 ft below mean sea level, datum of 1929 (Citrus County bench mark)

Extremes --1964 Maximum daily discharge during period February to September, 4,340 cfs Sept 11, maximum gage height 15.48 ft Sept 10 (from hurricane tide), minimum daily discharge, -1,520 cfs Sept 10, minimum gage height, 8.16 ft Feb 22  
1964-65 Maximum daily discharge during water year, 3,090 cfs Feb 26, maximum gage height, 13.60 ft Oct 5, minimum daily discharge, -610 cfs Nov 20, minimum gage height, 7.28 ft Sept 9

Remarks --Records poor Aquatic growth accumulated around the deflection meter and partially restricted its movement on many days Discharge computed from continuous velocity record obtained from recording deflection meter Flow is affected by tide Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

2-3107 5 Crystal River near Crystal River, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, FEBRUARY TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					-	1,100	1,020	650	1,020	-530	1,200	870
2					-	940	780	220	800	-330	1,190	1,030
3					-	1,230	1,140	2,250	510	-310	1,260	-270
4					-	780	780	1,750	610	380	1,230	-300
5					-	970	950	1,820	770	860	1,120	410
6					-	2,140	360	980	990	1,360	710	40
7					-	1,240	580	730	1,310	780	420	-260
8					-	880	680	1,140	820	730	530	500
9					-	980	2,080	780	800	720	700	-830
10					-	1,430	1,300	1,300	790	880	630	-1,520
11					-	1,740	1,590	920	680	1,060	640	4,340
12					-	1,580	1,180	550	480	340	870	950
13					-	1,260	710	580	610	20	870	3,240
14					-	700	1,020	1,310	530	1,380	1,210	2,010
15					-	800	1,100	1,410	70	880	1,100	1,400
16					-	1,600	1,340	1,100	520	1,300	960	890
17					-	760	940	900	730	700	1,490	860
18					690	1,100	740	900	360	1,290	1,070	510
19					630	570	540	460	700	1,400	1,110	-280
20					2,060	940	950	800	730	1,350	690	960
21					1,160	910	1,220	1,040	680	1,090	980	880
22					1,240	1,400	1,190	1,380	390	940	900	40
23					1,070	1,200	1,110	1,050	370	1,110	1,010	60
24					1,390	1,450	1,030	740	610	1,150	590	80
25					1,040	970	960	860	150	750	610	260
26					1,840	1,370	1,320	1,010	240	1,260	500	920
27					1,310	1,720	700	960	810	1,670	450	1,030
28					960	1,430	1,660	830	340	810	1,260	870
29					2,230	780	810	810	-550	1,120	800	210
30					-----	1,540	950	980	-500	1,020	870	1,140
31					-----	1,070	-----	870	-----	770	390	-----
TOTAL					-	36,580	30,730	31,080	16,370	25,950	27,360	20,040
MEAN					-	1,180	1,024	1,003	546	837	883	668
MAX					-	2,140	2,080	2,250	1,670	1,490	1,490	4,340
MIN					-	570	360	220	-550	-540	390	-1,520
AC-FT					-	72,560	60,950	61,650	32,470	51,470	54,270	39,750

Note --Negative figures indicate reverse flow

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	820	1,530	1,760	1,270	220	430	1,100	1,110	-150	470	1,170	710
2	920	1,150	850	910	1,920	1,120	1,060	1,210	360	700	710	750
3	40	760	490	1,350	2,020	1,800	1,170	1,260	780	700	940	750
4	-20	1,010	-300	1,910	1,920	520	990	1,040	980	700	980	750
5	1,270	70	-240	1,340	1,640	680	960	970	1,290	700	620	750
6	1,300	-580	950	840	600	1,600	940	1,030	260	700	1,160	1,200
7	1,060	-290	410	340	440	1,690	1,010	1,320	680	700	1,060	1,200
8	1,020	-430	1,620	1,030	1,350	2,360	630	1,210	1,250	700	760	2,200
9	1,040	560	1,770	1,020	920	1,720	470	1,200	840	900	900	750
10	1,790	830	1,680	880	1,020	1,360	1,060	1,390	1,180	1,020	820	750
11	1,710	500	1,420	1,520	560	1,300	1,160	1,540	710	610	1,080	750
12	940	420	1,030	950	690	680	1,200	1,020	1,030	920	990	750
13	1,630	970	1,320	570	1,460	1,820	930	1,490	760	860	820	750
14	1,270	550	2,660	1,180	720	1,230	1,730	1,190	1,280	1,100	1,010	750
15	560	840	2,590	520	1,480	1,380	580	1,360	440	810	840	750
16	1,480	850	1,090	570	840	1,190	1,120	1,300	1,340	590	950	750
17	1,420	70	520	1,570	670	500	1,510	1,090	1,020	1,080	860	750
18	1,590	350	800	400	1,100	820	1,100	1,180	1,370	540	830	750
19	1,120	-340	620	1,270	700	1,080	1,050	1,250	980	970	820	750
20	2,050	-610	410	780	1,330	1,370	1,410	890	890	760	860	750
21	440	950	600	1,080	960	2,060	1,510	1,180	680	860	590	650
22	980	1,410	690	1,280	960	1,360	1,240	1,420	860	780	1,240	650
23	280	1,270	700	630	1,170	1,030	1,000	2,200	590	650	930	650
24	380	110	700	670	280	1,220	1,130	-70	710	860	590	650
25	1,400	280	1,200	1,580	2,680	1,630	1,090	570	860	1,280	380	650
26	1,170	1,460	1,010	1,120	3,090	920	1,030	840	800	990	-260	650
27	1,090	1,310	2,260	2,830	1,970	1,240	1,690	1,130	700	690	140	650
28	1,190	810	1,280	1,750	1,670	1,420	1,290	760	130	100	240	650
29	1,190	1,570	1,700	1,490	-----	1,090	1,640	1,000	310	-250	40	650
30	720	2,230	1,890	760	-----	1,040	1,660	510	200	580	360	650
31	1,450	-----	1,560	1,800	-----	1,400	-----	460	-----	430	680	-----
TOTAL	33,300	19,610	35,040	35,210	34,380	39,060	34,480	33,830	23,490	22,440	23,020	23,810
MEAN	1,074	654	1,130	1,136	1,128	1,260	1,149	1,091	783	724	743	794
MAX	2,050	2,230	2,660	2,830	3,090	2,360	1,730	2,200	1,370	1,280	1,240	2,200
MIN	-20	-610	-300	340	220	430	470	-70	-150	-250	-260	650
AC-FT	66,050	38,900	69,500	69,840	68,190	77,470	68,390	67,100	46,590	44,510	45,660	47,230

CAL YR 1964 TOTAL  
 MAY YR 1965. TOTAL 357,670

MEAN

MEAN 980

MAX

MAX 3,090

MIN

MIN -610

AC-FT

AC-FT 709,400

Note --Negative figures indicate reverse flow

2-3108 Withlacoochee River near Eva, Fla

Location --Lat 28°21'38", long 81°49'08", in NW<sup>1</sup> sec 33, T 24 S, R 25 E, near center of span on upstream side of bridge on State Highway 33, 2½ miles north of Eva, Polk County, and 6½ miles upstream from small tributary

Drainage area --130 sq mi, approximately

Records available --July 1958 to September 1965

Gage --Digital water-stage recorder Datum of gage is 104.90 ft above mean sea level, datum of 1929 (unadjusted) Prior to Apr 9, 1965, graphic water-stage recorder at same site and datum

Average discharge --7 years, 95.8 cfs (69,360 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Mar 20, 1961	a 107	b 6.10	June 8, 1961	0	c 2.60
1962	Sept 24, 1962	260	5.35	May 16-27, 1962	0	c 2.36
1963	Mar 3, 1963	290	5.28	May 12, 1963	80	d 2.93
1964	Sept 13, 1964	1,310	6.40	June 23-26, 1964	e 10	f 2.65
1965	Aug 11, 1965	768	5.95	Many days	0	g 2.15

a Maximum peak discharge, maximum discharge, 500 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred May 28, 1962 d Occurred June 22, 1963  
e Minimum daily f Occurred June 26, 1964 g Occurred June 9, 1965

1958-65 Maximum discharge, 2,160 cfs Mar 17, 1960 (gage height, 6.90 ft), no flow at times in 1958, 1961, 1962, 1965, minimum gage height, 2.15 ft June 9, 1965

Remarks --Records fair Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	470	146	36	26	23	26	23	.90	.20	27	2.3	40
2	432	144	35	26	23	24	21	.90	.20	23	2.1	31
3	390	136	33	25	35	23	19	.80	.10	20	3.1	26
4	360	128	32	24	47	23	16	.80	.10	17	2.9	24
5	336	122	31	23	41	20	14	.70	.10	17	2.6	20
6	320	116	30	22	37	19	12	.60	.10	23	2.3	18
7	336	108	29	22	52	18	12	.60	.10	17	2.1	15
8	368	107	26	22	77	17	11	.50	.10	14	1.8	12
9	378	96	27	24	70	16	9	.50	.20	12	1.7	11
10	390	90	26	24	60	15	8.0	.90	.50	13	1.8	9.5
11	366	85	26	24	51	14	7.1	.90	.30	15	1.6	8.2
12	348	82	27	23	47	14	6.8	.80	.20	14	1.4	7.6
13	336	79	26	32	46	14	8.5	.60	5.2	12	1.1	7.4
14	315	76	25	43	44	16	7.4	.40	4.3	9.2	.90	6.8
15	300	73	27	40	42	15	6.6	.40	3.5	7.5	.70	6.1
16	290	70	30	38	40	14	6.1	.40	4.0	6.1	1.6	5.7
17	276	66	29	36	39	14	5.6	.40	4.6	5.0	4.1	6.2
18	266	64	29	33	37	14	4.9	.30	5.0	4.6	4.6	9.8
19	248	61	27	34	36	31	4.3	.30	4.8	6.1	4.6	8.9
20	240	58	27	33	35	105	3.8	.30	4.3	9.5	5.8	7.6
21	233	54	29	31	35	99	3.6	.20	3.8	9.5	5.4	6.8
22	219	52	30	29	37	78	3.2	.20	3.6	7.8	4.3	6.0
23	205	49	29	29	36	62	2.9	.20	7.0	6.1	3.6	5.2
24	193	47	28	28	36	46	2.5	.20	9.5	4.8	3.4	4.3
25	164	46	27	27	33	37	2.2	.20	8.0	3.9	5.7	3.8
26	160	46	27	27	31	31	1.8	.30	11	3.5	17	3.5
27	125	45	26	26	29	26	1.6	.40	13	3.3	16	3.0
28	144	43	26	25	27	23	1.4	.40	19	2.8	20	2.7
29	136	41	26	26	-----	20	1.2	.30	46	2.8	30	2.5
30	128	39	26	26	-----	18	1.0	.30	32	2.7	44	2.2
31	132	-----	26	24	-----	18	-----	.30	-----	2.4	41	-----
TOTAL	8,664	2,364	880	872	1,146	910	227.7	15.00	190.80	321.6	239.50	320.8
MEAN	277.3	73.8	28.4	28.1	40.9	29.4	7.59	.48	6.36	10.4	7.73	10.7
MAX	476	146	36	43	77	105	23	.90	46	27	44	40
MIN	128	39	22	22	23	14	1.0	.20	.10	2.4	.70	2.2
CFSM	2.15	.61	.22	.22	.31	.23	.06	.004	.05	.08	.06	.08
IN	2.48	.68	.25	.25	.33	.26	.07	.004	.05	.09	.07	.09
AC-FT	17,180	4,690	1,750	1,730	2,270	1,800	452	30	378	638	475	636

CAL YR 1960 TOTAL 8,379.3 MEAN 233 MAX 2,090 MIN 7.1 CFSM 1.79 IN 24.43 AC-FT 169,300  
WAT YR 1961 TOTAL 16,151.40 MEAN 44.3 MAX 476 MIN .10 CFSM 1.34 IN 4.62 AC-FT 32,040

2-3108 Withlacoochee River near Eva, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	2.1	2.2	.50	1.4	1.1	.90	3.9	30	2.5	27	6.1	62		
2	1.8	2.3	.50	2.2	1.1	.90	3.8	30	7.2	22	16	48		
3	1.6	2.0	.50	2.3	1.0	.80	3.6	.20	7.9	17	30	41		
4	1.5	1.9	.40	2.1	.90	.80	3.0	.20	6.2	14	24	37		
5	1.3	1.8	.40	1.9	.90	.70	2.6	.20	4.6	12	17	35		
6	1.2	2.2	.40	2.1	.90	.60	2.4	.20	5.7	9.2	13	32		
7	1.1	2.6	.40	3.5	.80	.50	2.6	.20	6.8	7.5	11	32		
8	1.0	2.6	.40	4.6	.80	.50	3.3	.10	7.4	7.2	10	28		
9	.90	2.4	.30	3.9	1.5	.50	3.1	.10	8.4	7.4	9.9	25		
10	.80	2.7	.30	3.0	5.1	.50	3.1	.10	13	6.8	8.4	22		
11	.80	1.9	.30	3.0	6.1	.40	2.5	.10	11	7.0	8.6	22		
12	.90	1.4	.30	3.8	5.0	.40	2.0	.10	10	7.4	10	30		
13	11	1.6	.40	4.3	4.3	.40	1.7	.10	22	7.5	13	24		
14	15	1.4	.50	3.9	3.8	.30	1.4	.10	24	17	12	24		
15	13	1.3	.50	3.6	3.6	.60	1.2	.10	15	13	10	42		
16	5.8	1.2	.50	3.5	3.1	6.9	1.1	0	14	11	8.6	40		
17	7.0	1.1	.40	3.3	3.0	10	.90	0	57	9.5	8.4	36		
18	6.5	1.1	.40	2.9	2.8	7.4	.80	0	52	7.9	8.6	31		
19	5.6	1.0	1.2	2.7	2.6	5.8	.70	0	35	7.0	11	29		
20	5.1	.90	1.4	2.6	2.3	4.8	.70	0	73	6.4	14	89		
21	4.1	.80	1.3	2.4	2.2	4.2	.60	0	21	6.0	14	155		
22	4.3	.80	1.2	2.2	1.9	3.8	.50	0	29	5.4	17	130		
23	4.3	.60	1.2	2.5	1.7	7.0	.50	0	30	6.1	67	145		
24	3.9	.90	1.1	2.4	1.6	9.0	.40	0	32	5.4	70	236		
25	3.6	.90	1.2	2.0	1.4	8.4	.40	0	29	4.8	70	187		
26	3.2	.80	1.7	1.8	1.3	10	.70	0	21	4.2	74	158		
27	2.9	.90	1.4	1.0	1.1	9.5	.60	0	17	3.8	59	142		
28	2.0	.70	1.1	1.5	1.0	7.0	.50	.20	14	3.6	64	130		
29	2.8	.60	.90	1.4	-----	5.8	.50	.80	12	3.2	62	111		
30	3.0	.60	.80	1.3	-----	5.0	.40	1.4	14	3.5	50	95		
31	2.8	-----	.80	1.2	-----	4.4	-----	2.7	-----	4.7	48	-----		
TOTAL	126.10	43.20	22.70	80.9	62.90	117.80	49.70	7.40	551.7	274.5	844.6	2,218		
MEAN	4.07	1.43	.73	2.61	2.23	3.80	1.66	.24	18.4	8.85	27.2	73.9		
MAX	15	7.6	1.7	4.6	6.1	10	3.9	2.7	57	27	74	236		
MIN	.80	.60	.30	1.2	.80	.30	.40	0	2.5	3.2	6.1	22		
CFSM	.03	.01	.006	.02	.02	.03	.01	.002	.14	.07	.21	.57		
IN.	.04	.01	.006	.02	.02	.03	.01	.002	.16	.08	.24	.63		
AC-FT	250	86	45	160	125	234	99	15	1,090	544	1,680	4,400		
CAL YR 1961	TOTAL	4,435.70	MEAN	12.2	MAX	105	MIN	.10	CFSM	.09	IN	1.27	AC-FT	8,800
WAT YR 1962	TOTAL	4,399.80	MEAN	12.1	MAX	236	MIN	0	CFSM	.09	IN	1.26	AC-FT	9,730

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	83	17	5.8	2.9	8.2	165	16	1.8	2.1	24	63	19		
2	70	12	5.8	2.8	7.9	202	13	2.1	2.2	25	53	17		
3	57	12	6.1	2.5	8.2	276	12	2.0	4.2	109	46	14		
4	49	12	5.5	2.3	17	252	11	2.2	4.8	68	41	12		
5	52	11	5.3	2.2	21	230	9.1	1.9	3.3	53	36	12		
6	59	9.9	5.0	2.2	21	208	7.5	1.4	4.1	50	33	11		
7	65	9.5	4.8	2.4	19	181	8.8	1.3	17	56	33	10		
8	68	9.9	4.7	2.3	18	160	10	1.7	13	99	28	9.1		
9	70	14	5.1	2.2	13	152	8.7	1.8	11	73	24	8.3		
10	67	15	5.3	2.1	16	216	7.2	1.3	11	92	21	7.4		
11	60	14	5.0	2.0	16	193	6.6	1.0	9.6	101	18	6.8		
12	52	14	4.8	1.9	58	168	9.8	1.7	8.5	97	17	6.8		
13	44	15	4.5	1.9	64	148	5.8	4.0	6.3	110	15	6.0		
14	39	15	4.5	1.9	56	134	5.4	4.0	4.8	158	14	5.4		
15	33	13	4.2	1.9	48	117	5.2	3.7	5.6	116	13	5.0		
16	27	12	4.0	2.0	44	105	4.8	3.7	4.6	110	13	4.8		
17	22	11	4.2	2.5	50	95	4.0	3.3	4.8	123	17	4.8		
18	19	11	4.2	2.6	46	81	3.5	1.9	4.3	102	29	6.6		
19	17	11	3.9	2.5	59	67	3.2	1.5	2.6	89	42	15		
20	14	9.9	3.6	2.4	70	56	2.8	3.2	1.6	75	55	16		
21	13	9.5	3.6	3.8	62	52	2.8	3.2	1.4	68	51	34		
22	13	10	3.5	3.8	56	46	2.2	2.6	1.3	80	51	30		
23	13	9.9	3.5	4.5	49	40	1.8	3.2	1.7	132	46	38		
24	11	8.9	3.6	9.2	46	34	1.7	2.2	6.9	119	42	63		
25	10	8.4	3.6	8.2	50	30	1.6	2.1	13	116	38	63		
26	9.5	4.2	3.6	9.7	105	26	1.6	1.9	14	104	34	62		
27	8.0	7.2	3.6	12	172	24	1.4	2.3	14	90	30	60		
28	7.0	6.5	3.5	12	165	23	1.2	5.2	23	85	28	59		
29	7.2	6.2	3.4	10	-----	19	1.4	5.6	29	80	31	55		
30	6.8	6.0	3.3	9.7	-----	18	1.4	4.5	26	68	27	53		
31	9.0	-----	3.0	9.0	-----	17	-----	2.8	-----	61	23	-----		
TOTAL	1,074.5	323.9	134.7	137.4	1,370.3	3,535	167.5	81.4	255.7	2,733	1,012	713.0		
MEAN	34.7	10.8	4.35	4.43	40.4	114	5.88	2.63	8.52	88.2	32.6	23.8		
MAX	63	15	6.1	12	172	276	16	5.6	29	158	63	63		
MIN	6.8	6.0	3.0	1.9	7.9	17	1.2	1.0	1.3	24	13	4.8		
CFSM	.27	.08	.03	.03	.38	.68	.06	.02	.07	.68	.25	.18		
IN.	.31	.09	.04	.04	.39	1.01	.05	.02	.07	.78	.29	.20		
AC-FT	2,130	642	267	273	2,720	7,010	332	161	507	5,420	2,010	1,410		
CAL YR 1962	TOTAL	5,740.60	MEAN	15.7	MAX	236	MIN	0	CFSM	.12	IN	1.64	AC-FT	11,390
WAT YR 1963	TOTAL	11,538.4	MEAN	31.6	MAX	276	MIN	1.0	CFSM	.24	IN	3.30	AC-FT	22,890

## 2-3108 Withlacoochee River near Eva, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	49	1.0	32	31	106	99	196	51	2.0	1.2	4.8	42		
2	46	1.4	29	29	99	95	177	97	1.7	1.7	4.1	46		
3	44	1.7	28	28	97	90	156	79	1.4	2.9	3.5	54		
4	40	4.0	26	26	116	86	139	69	1.1	2.8	3.0	95		
5	36	4.1	25	26	148	83	116	64	1.0	2.7	2.8	101		
6	31	5.0	24	25	180	80	102	59	1.0	2.4	6.8	108		
7	28	5.4	22	31	174	77	90	53	1.2	2.0	7.7	114		
8	26	5.2	21	37	232	73	79	48	1.4	1.6	9.8	114		
9	24	4.9	20	37	228	70	72	44	1.3	1.2	13	110		
10	21	7.3	18	35	213	67	64	39	1.4	.90	11	502		
11	18	95	17	33	199	63	58	34	1.5	.70	11	874		
12	16	85	16	214	182	59	50	31	1.3	.70	13	972		
13	14	80	16	256	163	55	44	29	1.0	.70	14	1,280		
14	13	77	16	244	151	53	40	28	.80	.60	17	1,200		
15	11	73	19	256	139	49	51	25	.70	.40	26	1,210		
16	10	70	19	256	127	46	43	23	.60	.30	25	1,230		
17	9.1	68	21	285	119	87	36	20	.40	.30	26	1,150		
18	8.5	64	22	295	125	89	30	17	.30	.30	26	1,030		
19	7.9	61	21	275	163	82	27	14	.30	.30	26	902		
20	7.2	58	19	260	153	106	23	12	.20	.30	28	740		
21	6.6	54	18	244	146	112	20	10	.20	.70	31	594		
22	6.1	50	17	220	141	93	17	8.5	.20	.70	34	500		
23	5.0	46	18	199	139	82	15	7.4	.10	.80	32	404		
24	5.3	44	34	182	127	74	13	6.4	.10	1.1	31	305		
25	5.2	44	36	165	119	67	12	5.6	.10	1.8	33	265		
26	4.9	42	33	156	112	62	11	4.9	.10	5.6	33	248		
27	4.6	40	31	139	108	69	11	4.3	.20	12	36	196		
28	4.3	37	30	141	106	168	11	3.7	.20	9.3	46	166		
29	3.9	37	30	130	104	260	12	3.2	.30	8.3	44	141		
30	3.4	35	29	121	-----	228	12	2.7	.40	7.0	43	127		
31	3.2	-----	30	112	-----	210	-----	2.3	-----	5.7	42	-----		
TOTAL	512.8	1,271.7	737	4,488	4,216	2,934	1,727	895.0	22.50	77.00	683.5	14,820		
MEAN	16.5	42.4	23.8	145	145	94.6	57.6	28.9	.75	2.48	22.0	494		
MAX	49	95	36	295	232	260	196	97	2.0	12	46	1,280		
MIN	3	3	16	25	46	46	11	2.3	.10	.30	2.8	42		
CFSM	.13	.33	.18	1.11	1.12	.73	.44	.22	.006	.02	.17	3.80		
IN.	.15	.36	.21	1.28	1.21	.84	.49	.26	.006	.02	.20	4.24		
AC-FT	1.020	2,520	1,460	8,900	8,360	5,820	3,430	1,780	.45	153	1,360	29,400		
CAL YR 1963	TOTAL	12,526.8	MEAN	34.3	MAX	276	MIN	1.0	CFSM	.26	IN	3.58	AC-FT	24,850
WAT YR 1964	TOTAL	32,384.50	MEAN	88.5	MAX	1,280	MIN	.10	CFSM	.68	IN	9.26	AC-FT	64,230

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	114	12	3.9	5.4	7.4	26	6.1	.40	.10	7.3	204	63		
2	108	11	3.7	4.9	7.5	27	5.6	.30	0	5.7	240	57		
3	97	11	3.5	4.5	7.5	30	5.4	.30	0	4.4	268	50		
4	87	10	3.5	4.3	7.0	34	4.5	.20	0	3.9	365	44		
5	79	9.8	7.9	4.1	6.6	29	4.0	.20	0	5.2	389	39		
6	73	9.6	14	3.9	6.6	28	3.5	.20	0	24	365	34		
7	68	9.1	14	3.6	8.8	25	3.0	.20	0	23	402	32		
8	63	8.5	14	3.4	11	23	2.6	.10	0	20	414	10		
9	59	7.9	12	3.2	10	21	2.2	.10	0	18	402	29		
10	54	7.5	11	4.2	10	19	2.0	.10	0	15	535	27		
11	49	7.2	10	5.8	9.6	18	2.6	.10	.70	17	736	24		
12	46	6.6	9.6	5.2	8.8	16	5.4	.10	.80	18	746	22		
13	42	6.1	8.8	4.2	8.7	16	2.9	.10	.80	14	696	20		
14	41	5.8	8.5	3.6	8.5	21	1.6	.10	.90	17	586	18		
15	40	5.4	8.7	7.6	8.1	21	1.0	.10	1.0	19	475	18		
16	38	5.2	8.5	12	7.5	20	.80	.10	1.0	18	377	15		
17	35	4.6	8.1	12	7.2	19	.70	0	.90	28	291	14		
18	33	4.2	7.7	11	7.0	18	.60	0	2.6	34	278	13		
19	31	4.0	7.2	10	7.0	17	.40	0	4.0	66	191	13		
20	29	3.7	6.7	9.8	6.6	16	.40	0	2.7	182	179	11		
21	28	3.6	6.3	9.1	6.0	17	.40	0	1.9	144	158	10		
22	26	3.4	5.8	8.7	5.6	17	.60	0	1.5	139	137	8.8		
23	24	4.2	5.7	8.7	10	14	.90	0	5.0	135	118	10		
24	23	4.2	6.0	9.3	25	12	.80	0	8.4	158	107	14		
25	21	4.0	5.6	12	28	11	.90	0	20	280	101	14		
26	20	3.5	5.2	12	28	10	1.1	0	23	408	89	14		
27	18	3.0	5.3	11	28	9.3	1.1	0	18	276	85	20		
28	17	2.9	5.7	10	27	10	.90	0	18	208	82	24		
29	16	3.7	5.8	9.3	-----	11	.60	0	14	179	74	24		
30	14	4.2	6.1	8.7	-----	8.5	.40	.10	10	165	66	29		
31	13	-----	6.0	8.3	-----	6.8	-----	.10	-----	170	62	-----		
TOTAL	1,406	185.9	214.8	229.8	319.0	570.6	63.00	2.90	135.30	2,801.5	9,168	740.8		
MEAN	45.4	6.20	7.57	7.41	11.4	18.4	2.10	.094	4.51	90.4	296	24.7		
MAX	114	12	14	12	28	34	6.1	.40	23	408	746	63		
MIN	13	2.9	3.5	3.2	5.6	8.8	.40	0	3.9	60	8.8	8.8		
CFSM	.35	.05	.06	.06	.09	.14	.02	.0007	.03	.70	2.27	.19		
IN.	.40	.05	.07	.07	.09	.16	.02	.0008	.04	.80	2.62	.21		
AC-FT	2,790	369	466	456	633	1,130	125	5.8	268	5,560	18,180	1,470		
CAL YR 1964	TOTAL	31,689.70	MEAN	86.6	MAX	1,280	MIN	.10	CFSM	.67	IN	9.07	AC-FT	62,860
WAT YR 1965	TOTAL	15,857.60	MEAN	43.4	MAX	746	MIN	0	CFSM	.33	IN	4.54	AC-FT	31,450

2-3109 Pony Creek near Polk City, Fla

Location --Lat 28°15'03", long 81°48'51", in center of sec 4, T 26 S, R 25 E, near center of channel, 20 ft downstream from culvert on private ranch road, and 4.9 miles north of Polk City, Polk County

Drainage area --9.5 sq mi, approximately

Records available --June 1960 to September 1962 (discontinued)

Gage --Water-stage recorder Datum of gage is 120.43 ft above mean sea level, unadjusted

Extremes --1960 Maximum discharge during period June to September, 234 cfs Sept 12 (gage height, 8.66 ft), minimum, 2.5 cfs June 8 (gage height, 5.34 ft), but may have been less during period of no gage-height record June 1-6  
 1960-61 Maximum discharge during water year, 35 cfs at 12.01 a.m. Oct 1 (gage height, 7.38 ft, stage falling), peak occurred Sept 12, 1960, maximum peak discharge during year, 16 cfs Oct 10 (gage height, 6.75 ft), no flow for many days, minimum gage height, 3.99 ft Aug 15  
 1961-62 Maximum discharge during water year, 18 cfs Aug 4 (gage height, 7.39 ft), no flow for many days, minimum gage height, 3.67 ft Dec 12, 13

Remarks --Records fair No flow observed on May 3, 1965

DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1									-	45	138	2.6
2									-	40	124	3.4
3									-	35	111	13
4									-	27	93	22
5									-	20	83	25
6									-	14	75	22
7									3.1	11	71	20
8									3.1	9.7	68	35
9									11	8.2	63	44
10									9.0	7.6	60	55
11									6.9	10	56	149
12									5.2	11	55	192
13									4.2	9.6	57	226
14									3.6	8.8	53	199
15									3.2	8.5	47	174
16									2.9	12	38	149
17									2.9	48	29	130
18									3.6	55	20	108
19									4.2	58	13	89
20									6.2	63	9.2	71
21									13	60	7.5	60
22									14	63	5.8	55
23									14	60	4.6	50
24									13	58	5.3	47
25									16	55	5.1	44
26									33	65	4.4	43
27									43	93	4.0	40
28									47	90	3.6	37
29									49	131	3.2	36
30									49	140	3.1	36
31									-----	143	2.8	-----
TOTAL									-	1,459.4	1,312.6	2,177.0
MEAN									-	47.1	42.3	72.6
MAX									-	143	138	226
MIN									-	7.6	2.8	2.6
CFSM									-	4.96	4.45	7.64
IN									-	5.71	5.14	8.52
AC-FT									-	2,890	2,600	4,320



## 2-3109 Pony Creek near Polk City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	34	3.6	1.5	.80	.40	.50	4.2	0	.10	1.0	0	2.5		
2	30	3.6	1.4	.80	.30	.50	2.6	0	0	.60	0	1.9		
3	27	3.5	1.3	.70	.30	.50	1.9	0	0	.30	0	1.4		
4	22	3.4	1.3	.60	.30	.40	1.4	0	0	.20	0	1.6		
5	17	3.3	1.2	.50	.30	.40	1.1	0	0	.20	0	1.4		
6	13	4.5	.90	.40	.30	.30	.80	0	0	.20	0	1.2		
7	11	3.4	.40	.40	.80	.30	.70	0	0	.10	0	1.0		
8	12	2.2	.30	.40	1.4	.30	.60	0	0	.10	0	1.0		
9	13	2.2	.30	.50	1.0	.30	.40	0	.10	0	0	.90		
10	16	2.4	.30	.50	.80	.30	.30	0	.20	0	0	.70		
11	14	2.2	.40	.50	1.1	.30	.30	0	.20	0	0	.40		
12	13	2.1	.80	.50	1.0	.30	.30	0	.50	0	0	.30		
13	11	1.8	.90	.80	.90	.30	1.0	0	2.1	0	0	.50		
14	9.4	1.5	.80	1.0	.80	.60	1.0	0	2.8	0	0	.70		
15	8.5	1.2	.90	1.0	.80	.50	.60	0	2.2	0	0	.70		
16	7.6	1.1	1.0	.80	.80	.40	.40	0	2.6	0	0	1.2		
17	6.8	1.2	1.0	.70	.80	.30	.30	0	2.3	0	3.4	1.4		
18	6.1	1.2	1.0	.60	1.0	.40	.30	0	1.5	0	4.4	2.1		
19	5.7	1.2	1.0	.60	1.0	.60	.40	0	1.0	0	4.2	1.9		
20	5.3	1.2	1.0	.50	.90	1.1	2.2	0	.70	0	5.4	1.5		
21	4.9	1.1	1.1	.50	.80	.90	.80	0	.40	0	4.3	1.1		
22	4.6	1.1	1.1	.50	.70	.80	.40	0	.30	0	3.0	.70		
23	4.3	1.1	1.0	.50	.70	.60	.20	0	.80	.10	2.6	.40		
24	4.0	1.1	1.0	.50	.70	.50	.20	0	1.8	.10	1.9	.20		
25	3.7	1.1	.90	.50	.60	.40	.10	0	2.1	0	2.0	.20		
26	3.4	1.1	.80	.50	.60	.40	.10	0	2.5	0	3.7	.10		
27	3.3	1.1	.80	.40	.60	.50	.10	.10	2.6	0	3.1	.10		
28	3.1	1.1	.80	.40	.60	.40	.10	.10	2.2	0	3.0	.10		
29	2.4	2.5	.80	.50	-----	3.1	.10	.10	1.8	0	3.8	.10		
30	2.4	2.2	.80	.50	-----	2.8	0	.10	1.3	0	4.1	0		
31	2.6	-----	.80	.40	-----	3.9	-----	10	-----	0	3.3	-----		
TOTAL	321.1	80.3	27.60	17.80	20.30	25.60	22.90	0.50	32.10	2.90	52.2	27.30		
MEAN	10.4	2.61	.89	.57	.73	.83	.76	-.016	1.07	-.096	1.68	.91		
MAX	34	4.5	1.5	1.0	1.4	3.9	4.2	.10	2.8	1.0	5.4	2.5		
MIN	2.4	1.1	.30	.40	.30	.30	0	0	0	0	0	0		
CFSM	1.09	.21	.09	.06	.08	.09	.08	.002	.11	.01	.18	.10		
IN.	1.26	.24	.11	.07	.08	.10	.09	.002	.13	.01	.20	.11		
AC+T	637	120	55	35	40	51	45	1.0	64	5.8	104	54		
CAL YR 1960	TOTAL	610.60	MEAN	1.67	MAX	34	MIN	0	CFSM	.18	IN	2.39	AC-FT	1,210
MAT YR 1961	TOTAL													

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	UCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
1	0	0	0	.10	.10	.10	.40	.10	1.5	1.9	13	13		
2	0	0	0	.10	.10	.10	.40	.10	5.9	2.5	16	13		
3	0	0	0	.20	.10	.10	.40	0	4.0	2.5	17	13		
4	0	0	0	.20	.10	0	.40	0	2.6	2.1	18	12		
5	0	0	0	.20	.10	0	.30	0	2.1	1.8	17	11		
6	0	0	0	.30	.10	0	.30	0	2.9	1.6	15	10		
7	0	0	0	.30	.10	0	.30	0	3.2	1.3	14	9.5		
8	0	0	0	.30	.10	0	.40	0	3.1	1.2	14	8.8		
9	0	0	0	.30	.10	0	.50	0	2.5	1.1	12	7.8		
10	0	0	0	.30	.20	0	.50	0	2.0	1.0	13	6.9		
11	0	0	0	.30	.20	0	.40	0	1.9	.90	16	5.8		
12	0	0	0	.40	.20	0	.30	0	1.9	.80	17	4.9		
13	0	0	0	.40	.20	0	.30	0	2.0	.90	17	4.0		
14	0	0	0	.40	.10	0	.20	0	1.9	.90	16	3.6		
15	0	0	0	.30	.10	0	.20	0	1.7	.80	15	4.6		
16	0	0	0	.30	.10	.50	.10	0	1.7	.70	14	4.2		
17	0	0	0	.30	.10	.70	.10	0	2.2	.60	13	3.4		
18	0	0	0	.30	.10	.50	.10	0	2.1	.90	12	2.8		
19	0	0	0	.20	.10	.30	.10	0	1.9	1.0	11	2.8		
20	0	0	0	.20	.10	.30	.10	0	1.8	1.0	11	4.4		
21	0	0	0	.20	.10	.20	.10	0	2.3	.90	10	9.1		
22	0	0	0	.20	.10	.20	.10	0	6.3	.90	10	11		
23	0	0	0	.20	.10	.50	0	0	8.1	1.1	12	12		
24	0	0	0	.20	.10	.90	0	0	7.8	1.0	12	14		
25	0	0	0	.10	.10	.90	0	0	6.2	.80	12	13		
26	0	0	0	.10	.10	1.1	0	0	4.5	.70	12	12		
27	0	0	0	.10	.10	.90	0	0	3.3	.80	11	11		
28	0	0	0	.10	.10	.70	0	0	2.6	2.6	12	11		
29	0	0	0	.10	-----	.80	.10	.10	2.2	3.4	12	10		
30	0	0	0	.10	-----	.60	.10	.90	2.1	3.6	12	8.6		
31	0	-----	0	.10	-----	.40	-----	1.3	-----	5.7	12	-----		
TOTAL	0	0	0	6.90	3.20	9.80	6.20	2.50	94.3	47.00	418	257.2		
MEAN	0	0	0	.22	.11	.32	.21	.081	3.14	1.52	13.5	8.57		
MAX	0	0	0	.40	.20	1.1	.50	1.3	8.1	5.7	18	14		
MIN	0	0	0	.10	.10	0	0	0	1.5	.60	10	2.8		
CFSM	0	0	0	.02	.01	.03	.02	.008	.33	.16	1.42	.90		
IN.	0	0	0	.13	.01	.04	.02	.01	.37	.18	1.64	1.01		
AC+T	0	0	0	14	6.4	19	12	5.0	187	93	829	510		
CAL YR 1961	TOTAL	201.60	MEAN	.55	MAX	5.4	MIN	0	CFSM	.06	IN	.79	AC-FT	400
MAT YR 1962	TOTAL	845.10	MEAN	2.32	MAX	18	MIN	0	CFSM	.24	IN	3.31	AC-FT	1,680

## 2-3110 Withlacoochee-Hillsborough overflow near Richland, Fla

Location (revised) --Lat 28°16'16", long 82°05'53", in NW¼ sec 34, T 25 S, R 22 E, near left bank at downstream side of bridge on U S Highway 98, three-quarters of a mile south of channel of Withlacoochee River, 2.9 miles east of Richland, Pasco County, and 8.5 miles southeast of Dade City

Records available --February 1930 to September 1931, September 1950 and July 1958 to March 1960 (discharge measurements or observation of no flow only), April 1960 to September 1965. Published as supplement to Hillsborough River near Zephyrhills (station 2-3030) July 1958 to September 1959

Gage --Digital water-stage recorder. Datum of gage is 75.42 ft above mean sea level, datum of 1929 (Florida State Road Department bench mark). Prior to July 17, 1958, staff gage at site 1 mile downstream at different datum. July 17, 1958, to Apr 24, 1960, reference point and Apr 25, 1960, to Aug 25, 1965, graphic water-stage recorder, at present site and datum

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum	
	Date	Discharge (cfs)	Gage height (feet)	Date	Gage height (feet)
1961	Oct 10, 1960	a 347	b 5 26	June 8, 1961	0 57
1962	Many days	c 68	d 3 86	May 28, 1962	51
1963	Mar 5, 1963	205	4 36	May 20, 1963	73
1964	Sept 15, 1964	968	6 01	July 22, 1964	76
1965	Aug 6, 1965	466	5 14	June 7, 8, 1965	49

a Maximum peak discharge, maximum discharge during year, 426 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Maximum daily d Occurred June 26, 1962

No flow for many days each year

1930-31, 1960-65. Maximum discharge, 1,880 cfs Mar 19, 1960 (gage height, 6.87 ft, from crest-stage gage), no flow for many days each year, minimum gage height, 0.49 ft June 7, 8, 1965

Remarks --Records poor. Flow is high-water diversion which is uncontrolled natural flow from the Withlacoochee River basin to the Hillsborough River basin. Records of chemical analyses for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	422	6.1	0	0	0	0	0	0	0	0	0	14
2	392	5.6	0	0	0	0	0	0	0	0	0	9.4
3	364	5.2	0	0	.30	0	0	0	0	0	0	4.9
4	322	4.9	0	0	1.2	0	0	0	0	0	0	3.1
5	281	4.5	0	0	.90	0	0	0	0	0	0	2.5
6	239	4.2	0	0	.60	0	0	0	0	0	0	1.6
7	221	3.5	0	0	.90	0	0	0	0	0	0	1.3
8	233	3.2	0	0	2.0	0	0	0	0	0	0	1.3
9	293	2.8	0	0	2.2	0	0	0	0	0	0	1.3
10	340	2.5	0	0	1.5	0	0	0	0	0	0	1.3
11	340	2.2	0	0	.90	0	0	0	0	0	0	1.3
12	319	1.7	0	0	.60	0	0	0	0	0	0	1.2
13	293	1.5	0	0	.50	0	0	0	0	0	0	1.2
14	257	1.2	0	0	.40	0	0	0	0	0	0	.80
15	221	1.0	0	0	.20	0	0	0	0	0	0	.50
16	190	.90	0	0	.20	0	0	0	0	0	0	.30
17	160	.70	0	0	.10	0	0	0	0	0	0	.10
18	130	.60	0	0	.10	0	0	0	0	0	0	.10
19	104	.50	0	0	.10	0	0	0	0	0	.20	0
20	81	.40	0	0	0	0	0	0	0	0	.60	0
21	63	.30	0	0	0	0	0	0	0	0	.60	0
22	48	.10	0	0	0	0	0	0	0	0	.30	0
23	38	0	0	0	.10	0	0	0	0	0	0	0
24	30	0	0	0	0	0	0	0	0	0	0	0
25	24	0	0	0	0	0	0	0	0	0	0	0
26	19	0	0	0	0	0	0	0	0	0	0	0
27	16	0	0	0	0	0	0	0	0	0	2.2	0
28	12	0	0	0	0	0	0	0	0	0	19	0
29	8.8	0	0	0	-----	0	0	0	0	0	13	0
30	6.1	0	0	0	-----	0	0	0	0	0	8.2	0
31	6.1	-----	0	0	-----	0	-----	0	-----	0	13	-----
TOTAL	5,473.0	53.60	0	0	12.80	0	0	0	0	0.10	57.10	46.20
MEAN	177	1.79	0	0	.46	0	0	0	0	.003	1.84	1.54
MAX	422	6.1	0	0	2.2	0	0	0	0	.10	19	14
MIN	6.1	0	0	0	0	0	0	0	0	0	0	0
AC-FT	10,860	106	0	0	25	0	0	0	0	.2	113	92

CAL YR 1960 TOTAL 5,473.0 MEAN 177 MAX 422 MIN 6.1 AC-FT 10,860  
WAT YR 1961 TOTAL 5,462.80 MEAN 15.5 MAX 422 MIN 0 AC-FT 11,190

## 2-3110 Withlacoochee-Hillsborough overflow near Richland, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV.	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	0	0	0	0	0	0	0	0	0	4.5	2.5	3.8
2	0	0	0	0	0	0	0	0	0	2.5	3.1	6.6
3	0	0	0	0	0	0	0	0	0	1.3	8.8	15
4	0	0	0	0	0	0	0	0	0	.60	11	21
5	0	0	0	0	0	0	0	0	0	.10	6.1	29
6	0	0	0	0	0	0	0	0	0	0	3.8	26
7	0	0	0	0	0	0	0	0	0	0	2.5	28
8	0	0	0	0	0	0	0	0	0	0	1.6	49
9	0	0	0	0	0	0	0	0	0	0	1.2	68
10	0	0	0	0	0	0	0	0	0	0	.60	64
11	0	0	0	0	0	0	0	0	0	0	.40	52
12	0	0	0	0	0	0	0	0	0	0	.10	40
13	0	0	0	0	0	0	0	0	0	0	0	30
14	0	0	0	0	0	0	0	0	0	0	0	25
15	0	0	0	0	0	0	0	0	0	0	.10	24
16	0	0	0	0	0	0	0	0	0	0	.40	18
17	0	0	0	0	0	0	0	0	0	0	.60	10
18	0	0	0	0	0	0	0	0	0	0	.90	4.9
19	0	0	0	0	0	0	0	0	0	0	.90	3.1
20	0	0	0	0	0	0	0	0	0	0	1.3	4.1
21	0	0	0	0	0	0	0	0	0	0	3.8	36
22	0	0	0	0	0	0	0	0	1.8	0	5.6	58
23	0	0	0	0	0	0	0	0	17	0	5.6	68
24	0	0	0	0	0	0	0	0	52	0	8.9	64
25	0	0	0	0	0	0	0	0	68	0	12	52
26	0	0	0	0	0	0	0	0	68	0	7.7	43
27	0	0	0	0	0	0	0	0	23	.30	4.9	36
28	0	0	0	0	0	0	0	0	8.8	1.5	3.5	30
29	0	0	0	0	0	0	0	0	6.1	3.1	4.2	24
30	0	0	0	0	0	0	0	0	6.1	3.8	3.8	20
31	0	0	0	0	0	0	0	0	0	3.8	3.5	0
TOTAL	0	0	0	0	0	0	0	0	250.8	21.50	109.40	956.5
MEAN	0	0	0	0	0	0	0	0	8.36	.69	3.53	31.9
MAX	0	0	0	0	0	0	0	0	68	4.5	12	68
MIN	0	0	0	0	0	0	0	0	0	0	0	3.1
AC-FT	0	0	0	0	0	0	0	0	497	43	217	1,900
CAL YR 1961	TOTAL	116.20	MEAN	3.2	MAX	19	MIN	0	AC-FT	230		
WAT YR 1962	TOTAL	1,338.20	MEAN	3.67	MAX	68	MIN	0	AC-FT	2,650		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV.	DEC	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	16	0	0	0	0	50	0	0	0	0	12	0
2	11	0	0	0	0	79	0	0	0	0	5.2	0
3	6.6	0	0	0	0	142	0	0	0	0	2.5	0
4	3.5	0	0	0	0	195	0	0	0	0	1.5	0
5	2.0	0	0	0	0	202	0	0	0	0	.60	0
6	.90	0	0	0	0	188	0	0	0	0	.10	0
7	.30	0	0	0	0	167	0	0	0	0	0	0
8	.30	0	0	0	0	130	0	0	0	0	0	0
9	0	0	0	0	0	104	0	0	0	0	0	0
10	0	0	0	0	0	106	0	0	0	0	0	0
11	0	0	0	0	0	108	0	0	0	.20	0	0
12	0	0	0	0	0	100	0	0	0	1.3	0	0
13	0	0	0	0	0	85	0	0	0	3.5	0	0
14	0	0	0	0	0	.10	0	0	0	5.2	0	0
15	0	0	0	0	0	45	0	0	0	4.9	0	0
16	0	0	0	0	0	31	0	0	0	4.2	0	0
17	0	0	0	0	0	21	0	0	0	4.5	.10	0
18	0	0	0	0	0	14	0	0	0	10	.10	0
19	0	0	0	0	0	.40	0	0	0	15	.50	0
20	0	0	0	0	0	1.3	0	0	0	16	.80	0
21	0	0	0	0	0	1.5	0	0	0	14	.50	0
22	0	0	0	0	0	1.5	0	0	0	14	.50	0
23	0	0	0	0	0	.90	0	0	0	23	.50	0
24	0	0	0	0	0	.60	0	0	0	36	1.5	1.5
25	0	0	0	0	0	.90	0	0	0	66	2.0	20
26	0	0	0	0	0	3.6	0	0	0	87	1.5	52
27	0	0	0	0	0	20	0	0	0	83	.90	77
28	0	0	0	0	0	40	0	0	0	64	.50	81
29	0	0	0	0	0	0	0	0	0	46	.10	68
30	0	0	0	0	0	0	0	0	0	29	0	53
31	0	0	0	0	0	0	0	0	0	21	0	0
TOTAL	40.80	0	0	0	70.90	1,847.00	0	0	0	547.80	31.30	352.5
MEAN	1.32	0	0	0	2.53	59.6	0	0	0	17.7	1.01	11.8
MAX	16	0	0	0	40	202	0	0	0	87	12	81
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	81	0	0	0	141	3,660	0	0	0	1,090	62	699
CAL YR 1962	TOTAL	1,379.00	MEAN	3.78	MAX	68	MIN	0	AC-FT	2,740		
WAT YR 1963	TOTAL	2,890.30	MEAN	7.92	MAX	202	MIN	0	AC-FT	5,730		

2-3110 Withlacoochee-Hillsborough overflow near Richland, Fla --Continued

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	35	0	0	0	21	9.6	239	1.1	0	0	87	19
2	21	0	0	0	16	6.1	195	10	0	0	75	14
3	12	0	0	0	12	4.5	160	38	0	0	48	12
4	5.6	0	0	0	14	3.1	120	63	0	0	29	20
5	2.8	0	0	0	24	2.2	85	68	0	0	16	38
6	1.2	0	0	0	55	1.5	55	59	0	0	10	106
7	.40	0	0	0	93	90	33	48	0	0	31	170
8	.10	0	0	0	172	50	21	33	0	0	106	198
9	0	0	0	.10	205	30	12	21	0	0	152	195
10	0	0	0	.10	210	.10	5.2	10	0	0	148	305
11	0	.60	0	20	202	0	2.8	3.8	0	0	135	585
12	0	1.2	0	6.4	182	0	1.2	1.2	0	0	122	762
13	0	.90	0	40	158	0	.40	.20	0	0	106	911
14	0	.60	0	135	110	0	0	0	0	0	97	946
15	0	.40	0	215	104	0	.1	0	0	0	97	960
16	0	.20	0	266	81	0	0	0	0	0	104	946
17	0	.40	0	296	59	0	0	0	0	0	108	883
18	0	.90	0	302	48	.10	0	0	0	0	120	807
19	0	1.2	0	284	58	.40	0	0	0	0	719	911
20	0	.90	0	260	73	1.5	0	0	0	0	111	634
21	0	.50	0	227	75	3.5	0	0	0	0	93	545
22	0	.10	0	198	68	4.5	0	0	0	0	83	474
23	0	0	0	168	59	4.5	0	0	0	0	100	410
24	0	0	0	142	49	3.8	0	0	0	0	145	350
25	0	0	0	115	39	3.1	0	0	0	0	170	302
26	0	0	0	93	30	2.5	0	0	0	0	165	263
27	0	0	0	75	22	3.1	0	0	0	0	150	224
28	0	0	0	61	18	23	0	0	0	24	125	192
29	0	0	0	49	14	165	0	0	0	63	91	158
30	0	0	0	39	-----	263	0	0	0	87	58	120
31	0	-----	0	28	-----	275	-----	0	-----	85	33	-----
TOTAL	78.10	7.90	0	2,999.80	2,291	781.80	929.60	356.30	0	259	3,037	12,268
MEAN	2.52	.26	0	96.8	79.0	25.2	31.0	11.5	0	8.35	98.0	409
MAX	35	1.2	0	302	210	275	239	68	0	87	170	960
MIN	0	0	0	0	12	0	0	0	0	0	10	12
AC-FT	159	16	0	5,950	4,540	1,550	1,840	707	0	514	6,020	24,330
CAL YR 1963	TOTAL	2,935.50	MEAN	8.04	MAX	202	MIN	0	AC-FT	5,820		
WAT YR 1964	TOTAL	23,008.50	MEAN	62.9	MAX	960	MIN	0	AC-FT	45,640		

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	87	0	0	0	0	.20	0	0	0	0	132	21
2	64	0	0	0	0	.50	0	0	0	0	239	21
3	53	0	0	0	0	1.2	0	0	0	0	333	16
4	33	0	0	0	0	1.3	0	0	0	0	382	12
5	22	0	0	0	0	1.2	0	0	0	0	426	7.6
6	16	0	0	0	0	.80	0	0	0	0	450	4.4
7	12	0	0	0	0	.60	0	0	0	0	458	2.5
8	8.9	0	0	0	0	.30	0	0	0	0	422	1.4
9	6.1	0	0	0	0	.20	0	0	0	1.7	375	.90
10	4.5	0	0	0	0	0	0	0	0	2.0	358	.20
11	3.5	0	0	0	0	0	0	0	0	.80	382	0
12	2.0	0	0	0	0	0	0	0	0	.10	442	0
13	1.2	0	0	0	0	0	0	0	0	.10	462	0
14	.60	0	0	0	0	0	0	0	0	.80	458	0
15	.20	0	0	0	0	0	0	0	0	2.0	442	0
16	.10	0	0	0	0	0	0	0	0	1.6	410	0
17	0	0	0	.10	0	0	0	0	0	1.6	375	0
18	0	0	0	10	0	0	0	0	0	3.1	330	0
19	0	0	0	0	0	0	0	0	0	2.8	284	0
20	0	0	0	0	0	0	0	0	0	.80	260	0
21	0	0	0	0	0	0	0	0	0	.20	212	0
22	0	0	0	0	0	0	0	0	0	0	182	0
23	0	0	0	0	.10	0	0	0	0	0	152	0
24	0	0	0	0	.60	0	0	0	0	0	165	0
25	0	0	0	0	.80	0	0	0	0	0	135	0
26	0	0	0	0	.80	0	0	0	0	0	106	0
27	0	0	0	0	.50	0	0	0	0	0	90	0
28	0	0	0	0	.40	0	0	0	0	0	70	.10
29	0	0	0	0	-----	0	0	0	0	0	42	.20
30	0	0	0	0	-----	0	0	0	0	7.9	27	.10
31	0	-----	0	0	-----	0	-----	0	-----	46	21	-----
TOTAL	314.10	0	0	0.20	3.20	6.30	0	0	0	71.50	8,622	87.40
MEAN	10.1	0	0	.007	11	.20	0	0	0	2.31	278	2.91
MAX	87	0	0	.10	.80	1.3	0	0	0	46	462	21
MIN	0	0	0	0	0	0	0	0	0	0	21	0
AC-FT	623	0	0	.4	6.4	13	0	0	0	142	17,100	173
CAL YR 1964	TOTAL	23,236.60	MEAN	63.5	MAX	960	MIN	0	AC-FT	46,090		
WAT YR 1965	TOTAL	9,104.70	MEAN	24.9	MAX	462	MIN	0	AC-FT	18,060		

## WITHLACOCOCHEE RIVER BASIN

2-3120 Withlacoochee River at Trilby, Fla

Location (revised) --Lat 28°28'47", long 82°10'40", in SE¼, sec 14, T 23 S, R 21 E, Hernando County, on right bank at downstream side of bridge on U.S. Highway 301, 1.6 miles north of Trilby, Pasco County, and 10 miles upstream from Little Withlacoochee River

Drainage area --580 sq mi (revised), approximately

Records available --August 1928 to February 1929, February 1930 to September 1965

Gage --Digital water-stage recorder. Datum of gage is 49.27 ft above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1938, staff gage at site 1½ miles downstream at datum 0.12 ft lower. Oct. 1, 1938, to Sept. 30, 1963, graphic water-stage recorder at present site and datum

Average discharge --35 years (1930-65), 395 cfs (286,000 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 7, 1961	a 372	b 15.27	July 2, 7, 8, 1961	c 38	d 1.83
1962	Sept 22, 1962	590	7.10	Apr 16, 1962	26	e 1.48
1963	Mar 12, 1963	1,400	10.83	June 24, 1963	26	f 1.70
1964	Sept 21, 1964	3,030	14.71	June 30, July 13	c 42	f 1.79
1965	Aug 22, 23, 1965	g 1,750	h 12.49	June 7, 1965	24	1.53

a Maximum peak discharge, maximum discharge during year, 3,250 cfs Oct. 1, 1960, stage falling

b Occurred Oct. 1, 1960

c Minimum daily

d Occurred July 9, 1961

e Occurred Dec. 13, 1961

f Occurred June 30, 1964

g Maximum peak discharge, maximum discharge during year, 1,970 cfs Oct. 1, 1964, stage falling

h Occurred Oct. 1, 1964

1928-29, 1930-65 Maximum discharge, 8,840 cfs June 21, 1934 (gage height, 20.5 ft, site and datum then in use), minimum, 8.6 cfs June 9-17, 1945, minimum gage height, 1.02 ft July 22, 1956

Remarks --Records good except those for periods of shifting control and those below 50 cfs, which are fair. High-water diversion above station into Hillsborough River basin through Withlacoochee-Hillsborough overflow near Richland (see station 2-3110). Records include considerable amount of waste water diverted from ground-water supplies during packing season by Evans and Pasco Packing Companies, in SW¼ sec 23, T 24 S, R 21 E, 5 miles upstream from Withlacoochee River

Discharge measurements, in cubic feet per second, of Pasco Packing Co. Canal at Dade City, for water years 1961-62, are given in table below

Water year 1960-61			
Dec 1, 1960	20.6	Apr 24, 1961	56.8
Jan 6, 1961	69.4	Aug 16	6.43
Feb 27	25.2	Sept 13	5.19

Water year 1961-62			
Oct 4, 1961	6.16	May 3, 1962	68.1
31	6.80	22	74.9
Nov 28	6.93	June 20	73.4
Dec 27	68.4	July 18	68.7
Jan 24, 1962	75.6	Aug 16	9.04
Feb 26	75.5	Sept 12	9.61
Mar 28	11.9		

Discharge measurements, in cubic feet per second, of Dade City Canal near Dade City (Evans and Pasco Packing Co. Canals combine to form Dade City Canal), for water years 1963-65, are given in table below

Water year 1962-63			
Oct 3, 1962	a 11.2	Apr 10, 1963	18.7
Nov 2	10.2	June 3	12.1
Dec 26	64.6	July 15	12.0
Feb 13, 1963	76.6	Aug 27	10.8

a Pasco Packing Co. Canal only

Water year 1963-64			
Oct 7, 1963	11.6	Apr 26, 1964	102
Nov 19	16.5	June 11	15.3
Jan 6, 1964	24.2	Aug 13	10.5
Mar 3	13.7		

Water year 1964-65			
Oct 15, 1964	5.48	Apr 13, 1965	43.8
Dec 2	0	May 26	49.7
Jan 12, 1965	11.2	July 13	17.8
Mar 2	56.3	Aug 24	0

2-3120 Withlacoochee River at Trilby, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,240	840	240	212	181	210	174	93	62	39	123	305
2	3,140	797	234	213	185	113	171	75	76	38	116	324
3	2,990	750	226	209	198	211	165	79	79	40	100	334
4	2,840	706	215	206	218	204	159	90	78	40	88	341
5	2,680	664	206	205	217	197	150	84	76	39	80	351
6	2,560	625	200	202	206	192	145	96	68	39	76	363
7	2,460	589	198	200	226	172	131	97	71	38	74	369
8	2,380	555	194	198	254	171	134	84	78	38	74	368
9	2,320	525	190	200	262	170	129	70	80	39	75	367
10	2,250	496	188	197	262	170	125	91	70	41	71	357
11	2,220	463	186	192	267	172	120	101	76	48	68	332
12	2,160	447	186	195	274	170	116	97	76	50	63	301
13	2,100	427	183	202	273	159	117	99	61	47	59	275
14	2,040	412	185	214	274	149	116	98	56	43	55	248
15	1,960	393	197	214	274	152	110	93	71	42	50	218
16	1,920	376	208	201	275	148	105	87	75	43	59	190
17	1,860	359	209	204	274	158	99	79	66	45	79	168
18	1,820	341	210	207	272	153	96	78	71	47	86	151
19	1,760	325	210	206	269	147	109	94	58	54	96	139
20	1,710	313	200	204	264	127	120	90	49	65	109	129
21	1,660	301	203	202	252	123	121	88	65	73	105	120
22	1,570	290	219	200	247	121	119	85	65	82	107	112
23	1,490	265	223	195	249	116	117	77	63	94	112	104
24	1,410	242	222	182	250	114	112	66	53	110	127	96
25	1,320	276	224	183	250	113	99	82	45	113	132	89
26	1,240	268	213	189	244	117	103	85	49	119	138	82
27	1,150	262	190	191	234	126	108	87	49	134	144	77
28	1,070	258	181	190	214	127	108	77	46	153	160	73
29	996	250	192	192	-----	191	107	63	42	162	179	70
30	923	244	202	189	-----	163	105	60	40	159	226	67
31	871	-----	204	197	-----	169	-----	59	-----	142	269	-----
TOTAL	60,170	13,125	3,362	6,171	6,870	4,895	3,698	2,594	1,914	2,216	3,295	6,520
MEAN	1,941	438	205	199	245	158	123	83.7	63.8	71.5	106	217
MAX	3,240	840	240	214	274	211	174	101	80	162	269	369
MIN	871	244	181	177	181	113	96	59	40	38	50	67
AC-FT	119,300	26,030	12,580	12,240	13,630	9,710	7,330	5,150	3,800	4,400	6,540	12,930
CAL YR 1960	TOTAL 44,326	MEAN 1,209	MAX 6,900	MIN 162	AL-FT 877,300							
WAT YR 1961	TOTAL 117,810	MEAN 323	MAX 3,240	MIN 38	AC-FT 233,700							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	63	34	31	79	80	62	34	55	74	343	54	414
2	60	34	31	70	79	64	37	54	94	395	62	414
3	57	33	30	67	80	67	37	55	104	380	67	410
4	54	32	30	77	82	68	34	55	96	347	73	407
5	50	32	30	84	79	63	33	56	85	318	78	410
6	48	35	30	86	70	43	31	55	85	294	83	411
7	47	39	30	86	78	38	31	52	87	268	88	422
8	45	40	30	80	75	52	34	43	74	238	100	438
9	44	40	29	76	73	58	35	46	64	206	118	463
10	44	39	29	83	85	61	34	50	78	172	148	478
11	43	36	29	90	88	67	33	51	84	172	141	489
12	44	37	29	92	80	60	32	52	74	167	134	504
13	44	36	30	76	59	44	31	55	85	147	124	516
14	44	35	29	71	64	38	29	57	89	131	113	533
15	46	34	29	65	76	50	28	54	90	117	100	551
16	45	34	29	82	73	69	27	52	116	101	91	564
17	44	34	30	91	80	70	38	53	144	81	85	570
18	42	33	30	91	75	61	56	54	119	77	89	564
19	40	32	35	91	53	51	62	56	94	91	81	551
20	39	32	37	90	42	38	62	56	102	88	74	564
21	38	32	47	90	58	34	61	54	122	67	73	587
22	37	32	63	88	71	34	60	45	155	59	111	586
23	36	34	79	84	74	42	54	57	200	56	200	566
24	36	34	86	88	72	72	36	63	186	52	189	542
25	35	34	70	92	65	75	38	63	195	48	248	530
26	35	34	50	92	69	67	52	62	202	50	284	533
27	34	34	42	91	51	51	57	61	243	47	301	545
28	34	34	89	67	41	58	58	59	285	54	324	557
29	34	33	61	85	-----	38	58	49	299	61	346	568
30	35	32	73	77	-----	35	57	64	323	59	364	578
31	34	-----	76	80	-----	34	-----	84	-----	55	379	-----
TOTAL	1,331	1,036	1,296	2,578	1,984	1,642	1,268	1,722	4,048	4,741	4,717	15,265
MEAN	42.9	34.5	41.8	83.2	72.9	53.0	42.3	55.9	133	124	152	478
MAX	63	40	86	92	88	75	62	84	323	395	379	587
MIN	34	32	29	62	42	34	27	43	64	47	54	407
AC-FT	2,640	2,050	2,570	5,110	3,740	3,260	2,520	3,420	8,030	9,400	9,350	30,280
CAL YR 1961	TOTAL 41,850	MEAN 115	MAX 369	MIN 29	AC-FT 82,980							
WAT YR 1962	TOTAL 41,623	MEAN 114	MAX 587	MIN 27	AC-FT 82,560							

Note --Shifting-control method used Feb 12 to June 16

## WITHLACOOCHEE RIVER BASIN

2-3120 Withlacoochee River at Trilby, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	586	86	68	93	101	582	285	51	50	50	542	300
2	588	83	67	94	112	615	239	60	53	55	560	298
3	586	83	65	94	108	715	207	64	52	70	572	293
4	575	84	63	92	153	924	188	69	50	86	581	290
5	560	81	62	91	218	1,070	178	56	46	105	576	286
6	542	78	61	91	246	1,130	161	43	44	125	563	281
7	518	76	60	92	212	1,170	167	39	42	147	540	275
8	488	75	59	79	182	1,200	148	36	46	163	520	261
9	459	77	60	88	162	1,240	124	35	50	174	498	236
10	428	78	59	93	150	1,310	113	34	50	187	469	222
11	397	77	59	94	146	1,380	109	33	47	190	431	206
12	366	77	61	94	212	1,390	119	33	44	188	386	189
13	334	80	63	92	271	1,370	108	34	40	182	340	174
14	300	75	59	80	302	1,340	97	34	38	175	293	160
15	270	77	55	73	293	1,290	88	34	36	174	246	158
16	243	77	62	73	275	1,230	82	35	34	186	222	156
17	217	76	84	71	269	1,180	74	48	32	213	206	151
18	194	76	92	76	268	1,120	70	36	31	246	192	151
19	174	74	91	83	275	1,050	76	35	30	258	177	163
20	158	74	92	85	308	962	82	34	30	273	180	180
21	144	74	94	84	338	916	76	32	29	287	200	203
22	130	79	94	65	354	850	64	33	28	311	218	209
23	132	75	94	84	368	787	56	35	28	334	274	222
24	122	73	94	141	382	722	52	34	27	358	237	243
25	115	72	95	122	392	664	51	36	32	387	242	253
26	108	71	97	115	420	599	62	40	35	403	244	256
27	101	69	90	123	505	540	57	44	40	408	252	256
28	99	68	94	113	557	490	53	70	39	424	266	264
29	67	67	99	105	-----	431	59	73	42	449	280	298
30	90	68	97	115	-----	378	48	56	49	486	293	353
31	89	-----	93	118	-----	336	-----	50	-----	516	299	-----
TOTAL	9,214	2,284	2,383	2,913	7,577	28,996	3,293	1,336	1,194	7,610	10,853	6,987
MEAN	297	76.1	76.9	94.0	271	935	110	43.1	39.8	245	350	233
MAX	588	86	99	141	557	1,490	285	73	53	516	581	353
MIN	89	67	55	65	101	436	48	32	27	50	177	151
AC-FT	18,780	4,530	4,730	5,780	15,030	57,510	6,530	2,650	2,370	15,090	21,530	13,860

CAL YR 1962 TOTAL 51,841 MEAN 142 MAX 588 MIN 27 AC-FT 102,800  
 WAT YR 1963 TOTAL 84,640 MEAN 232 MAX 1,390 MIN 27 AC-FT 167,900

Note --Shifting-control method used Apr 11 to Aug 18

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	429	58	261	156	1,020	776	833	201	68	45	275	835
2	491	58	248	161	973	746	910	263	63	47	350	873
3	541	56	233	153	918	714	1,010	296	59	50	410	900
4	573	54	208	161	980	681	1,080	290	57	50	465	913
5	592	52	187	167	860	656	1,140	288	55	50	508	893
6	566	54	173	172	883	627	1,170	324	55	50	544	845
7	587	53	162	181	905	596	1,170	382	55	50	566	792
8	572	52	153	179	933	566	1,130	440	53	49	576	744
9	549	50	146	193	993	536	1,100	491	52	48	582	712
10	511	108	139	192	1,020	508	1,030	526	50	46	587	816
11	471	169	134	200	1,020	477	973	546	50	44	594	1,110
12	434	201	133	288	1,030	447	895	545	49	43	612	1,350
13	391	204	143	374	1,060	418	818	542	48	42	630	1,630
14	347	198	156	431	1,100	389	744	546	46	44	651	1,850
15	307	200	168	440	1,120	366	675	531	45	47	669	2,080
16	269	220	188	458	1,130	343	623	500	44	49	684	2,320
17	235	244	146	516	1,130	352	576	466	45	52	702	2,570
18	203	261	151	624	1,140	357	524	426	45	56	744	2,760
19	176	263	137	762	1,170	355	473	376	48	55	774	2,920
20	154	265	144	883	1,170	346	431	324	58	52	802	3,000
21	137	270	142	973	1,130	341	374	290	54	53	820	3,020
22	121	285	142	1,060	1,070	340	328	262	50	63	830	2,980
23	108	295	151	1,130	1,020	340	305	233	47	66	850	2,890
24	100	306	174	1,190	963	341	284	200	46	63	875	2,760
25	91	319	158	1,230	923	352	263	148	46	58	888	2,640
26	84	323	138	1,260	885	382	247	116	44	67	875	2,510
27	73	316	129	1,260	850	435	233	113	44	101	858	2,380
28	73	307	131	1,230	826	413	196	121	44	131	850	2,260
29	69	307	149	1,200	804	651	199	115	43	154	845	2,140
30	65	288	171	1,130	-----	762	200	89	42	171	840	2,030
31	61	-----	162	1,070	-----	798	-----	75	-----	208	840	-----
TOTAL	9,411	5,836	5,017	19,426	28,924	15,511	19,934	10,067	1,505	2,104	21,096	55,523
MEAN	304	195	162	627	997	500	664	325	50.2	67.9	681	1,851
MAX	596	323	261	1,260	1,170	798	1,170	546	68	208	888	3,020
MIN	61	50	129	153	804	340	196	75	42	42	275	712
AC-FT	18,070	11,580	9,950	38,530	57,370	30,770	39,540	19,970	2,990	4,170	41,840	110,100

CAL YR 1963 TOTAL 91,023 MEAN 249 MAX 1,390 MIN 27 AC-FT 180,500  
 WAT YR 1964 TOTAL 194,354 MEAN 531 MAX 3,020 MIN 27 AC-FT 385,500

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DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,800	213	77	161	139	163	138	68	39	38	404	1,120
2	1,900	203	75	160	137	171	152	68	33	34	479	1,070
3	1,720	188	74	159	136	189	153	68	31	33	540	1,020
4	1,640	175	77	149	132	221	147	65	30	35	593	950
5	1,550	163	121	132	126	239	132	65	29	36	778	870
6	1,450	154	167	134	122	235	102	62	27	33	1,030	800
7	1,330	145	172	133	131	232	89	61	25	32	1,240	754
8	1,220	136	172	132	142	239	84	60	27	32	1,350	704
9	1,120	129	166	137	144	232	79	59	27	32	1,420	665
10	1,030	122	159	141	143	223	76	57	27	33	1,490	627
11	950	117	154	132	144	219	74	48	33	34	1,550	589
12	873	112	153	115	144	212	70	46	35	49	1,610	550
13	808	109	149	113	141	222	69	48	34	92	1,650	509
14	766	105	144	112	139	257	68	48	33	115	1,670	469
15	716	103	141	133	138	263	66	48	32	111	1,690	429
16	663	101	138	164	127	254	64	48	30	131	1,700	389
17	616	98	146	174	122	246	64	47	29	156	1,720	360
18	571	95	156	154	124	240	65	41	33	180	1,720	338
19	530	92	160	137	124	229	62	39	39	228	1,710	318
20	491	90	159	138	119	233	56	40	38	284	1,720	298
21	454	90	156	140	115	241	55	41	36	340	1,730	274
22	418	91	141	138	112	230	63	41	34	358	1,750	250
23	386	90	143	144	113	212	65	41	34	355	1,740	228
24	357	89	155	150	137	196	66	36	35	351	1,690	207
25	332	87	155	153	156	179	66	33	35	349	1,620	196
26	309	85	149	147	149	165	70	33	43	354	1,530	207
27	286	83	134	138	149	150	73	38	44	365	1,450	233
28	266	81	138	142	155	140	73	43	47	363	1,380	268
29	249	80	145	144	-----	133	73	45	47	347	1,310	301
30	233	80	153	145	-----	128	71	47	42	334	1,280	321
31	241	-----	162	144	-----	131	-----	46	-----	353	1,200	-----
TOTAL	25,255	3,506	4,381	4,395	3,760	6,424	2,485	1,530	1,028	5,587	42,744	15,318
MEAN	815	117	141	142	134	207	82.8	49.4	34.3	180	1,379	511
MAX	1,900	213	172	174	156	263	153	68	47	365	1,750	1,120
MIN	221	80	74	112	112	128	55	33	25	32	404	196
AC-FT	50,090	6,950	8,690	8,720	7,460	12,740	4,930	3,030	2,040	11,080	84,780	30,380
CAL YR	1964	TOTAL	207,232									
WAT YR	1965	TOTAL	116,413	MEAN	566	319	MAX	3,020	MEAN	425	AC-FT	411,000
							1,900			230,900	AC-FT	



## 2-3122 Little Withlacoochee River at Rerdell, Fla

Location --Lat 28°34'21", long 82°09'20", in E½ sec 13, T 22 S, R 21 E, near center of span on downstream side of bridge on U S Highway 301, a quarter of a mile north of Rerdell, Hernando County, and 3½ miles upstream from mouth

Drainage area --160 sq mi, approximately

Records available --July 1958 to September 1965

Gage --Digital water-stage recorder. Datum of gage is 59.02 ft above mean sea level, datum of 1929 Prior to Dec 11, 1963, graphic water-stage recorder at same site and datum

Average discharge --7 years, 130 cfs (94,120 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 10, 1961	a 106	b 9.03	June 2-8, 21-25, 1961	0	c 1.91
1962	Sept 23, 1962	160	4.88	Many days	0	d 1.10
1963	Mar 6, 1963	488	6.88	June 20, 21, 1963	f 10	e 1.98
1964	Sept 17, 1964	748	8.13	June 16, 17, 1964	f 50	g 2.23
1965	Aug 7, 1965	581	7.30	May 18-20, 1965	22	

a Maximum peak discharge, maximum discharge during year, 934 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Occurred June 7, 1961 d Occurred June 11, 1962  
e Occurred June 21, 1963 f Minimum daily g Occurred July 14, 15, 1964

1958-65 Maximum discharge, 3,400 cfs Mar 19, 1960 (gage height, 12.32 ft), no flow for many days in 1961, 1962, minimum gage height, 1.10 ft June 11, 1962

Remarks --Records fair. Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	931	148	30	33	20	36	4.8	.60	.10	.20	.70	7.6
2	910	145	27	31	21	32	4.4	.80	0	.20	1.9	11
3	868	145	25	28	22	29	3.8	.60	0	.50	1.6	14
4	808	140	23	27	26	27	3.7	.60	0	.30	1.4	14
5	751	133	22	26	36	25	3.2	.50	0	.20	1.2	12
6	695	125	21	25	46	24	2.8	.50	0	.20	1.1	10
7	660	118	20	23	64	22	2.8	.40	0	.10	1.0	8.6
8	624	111	19	24	85	21	2.5	.40	0	.10	.90	7.9
9	616	105	19	26	97	19	2.2	.40	.10	.20	.80	6.4
10	624	99	17	25	105	17	2.0	1.0	.10	.30	.70	5.4
11	615	95	18	28	101	15	1.8	.80	.10	.40	.70	4.7
12	609	87	22	31	95	14	1.9	.70	.10	1.3	.60	4.4
13	592	83	22	34	89	14	2.1	.60	.10	.50	.60	3.6
14	571	79	21	38	84	16	1.8	.40	.10	.40	.80	2.9
15	544	75	22	36	80	15	1.6	.40	.10	.40	.60	2.4
16	510	71	33	35	76	14	1.6	.30	.10	.30	.70	2.2
17	471	68	35	33	72	13	1.3	.30	.20	.30	.80	1.9
18	435	65	38	31	69	12	1.2	.20	.10	.40	.70	1.8
19	405	62	39	33	65	11	1.0	.20	.10	1.3	1.9	1.7
20	375	59	37	30	62	10	.80	.20	.10	1.0	2.5	1.6
21	343	55	38	29	59	10	.80	.20	0	.70	1.5	1.3
22	316	52	41	27	55	9.8	.80	.10	0	.60	1.3	1.8
23	288	49	39	26	52	9.1	.70	.10	0	.60	1.5	1.4
24	265	46	38	25	48	8.4	.70	.10	0	.50	2.9	1.0
25	239	44	38	23	46	7.7	.70	.10	0	.60	2.7	.90
26	216	42	36	22	43	7.1	.60	.10	.10	1.6	2.3	.80
27	197	40	34	21	42	6.3	.60	.30	.30	1.5	2.2	.80
28	181	38	33	19	38	5.7	.60	.30	.20	1.2	3.0	.70
29	166	35	32	20	-----	5.2	.50	.20	.10	1.0	4.3	.70
30	151	33	31	22	-----	4.7	.50	.20	.10	.70	4.8	.60
31	147	-----	32	21	-----	4.5	-----	.10	-----	.60	8.7	-----
TOTAL	15,124	2,445	902	852	1,698	464.5	53.80	11.70	2.20	18.20	56.20	134.10
MEAN	463	81.5	29.1	27.5	60.6	15.0	1.79	.38	.073	.59	1.81	4.47
MAX	931	148	41	38	105	36	4.8	1.0	.30	1.6	8.7	14
MIN	147	33	17	19	20	4.5	.50	.10	0	.10	.60	.60
CFSM	3.05	.51	.18	.17	.38	.09	.01	.002	.0004	.0004	.01	.03
IN.	3.52	.57	.21	.20	.39	.11	.01	.003	.0005	.0004	.01	.03
AC-FT	30,000	4,850	1,790	1,690	3,370	921	107	23	4.4	36	111	266

CAL YR 1960: TOTAL 118,164.5 MEAN 323 MAX 3,380 MIN 9.5 CFSM 2.02 IN 27.47 AC-FT 234,400  
WAT YR 1961 TOTAL 21,761.70 MEAN 59.6 MAX 931 MIN 0 CFSM .37 IN 5.06 AC-FT 43,160

## 2-3122 Little Withlacoochee River at Rerdell, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.60	0	.30	.90	1.1	1.1	.90	.10	0	6.3	1.4	2.3
2	.60	0	.30	1.0	1.0	.90	1.0	.10	0	5.1	1.0	2.1
3	.50	0	.30	.90	.90	.90	.80	0	0	3.7	.90	2.7
4	.50	0	.30	.80	.90	.80	.70	0	0	2.2	1.0	3.8
5	.40	.60	.30	.80	.80	.80	.60	0	0	1.5	2.5	4.0
6	.40	1.1	.30	1.0	.80	.60	.60	0	0	1.7	2.1	4.1
7	.40	1.4	.20	1.8	.70	.60	.70	0	0	.90	1.5	4.8
8	.30	.90	.20	1.5	.70	.60	1.0	0	0	.90	1.7	4.8
9	.30	.70	.20	1.3	1.9	.60	.80	0	0	.90	1.8	4.2
10	.30	.70	.20	1.3	4.9	.60	.70	0	0	.80	1.6	3.7
11	.30	.60	.20	1.6	3.8	.50	.60	0	0	.70	1.5	3.4
12	.40	.60	.20	2.3	3.2	.50	.50	0	0	.60	1.4	3.5
13	.40	.60	.40	2.1	3.2	.60	.40	0	0	.60	1.2	4.0
14	.30	.60	.50	1.9	3.2	.50	.30	0	0	.50	1.0	5.7
15	.30	.60	.40	2.0	3.0	.70	.30	0	0	.40	.90	6.5
16	.20	.50	.40	2.0	2.8	1.4	.20	0	0	.50	.80	7.0
17	.20	.50	.30	1.8	2.8	1.1	.20	0	0	.40	.80	7.2
18	.20	.40	.40	1.6	2.7	.90	.20	0	0	.40	.90	7.3
19	.20	.40	1.7	1.6	2.6	.80	.20	0	0	.60	.80	6.6
20	.10	.40	1.2	1.6	2.5	.80	.10	0	0	.90	1.8	7.0
21	.10	.50	.90	1.6	2.2	.70	.10	0	0	.70	4.3	10.3
22	.10	.50	.80	1.5	2.1	.70	0	0	0	.60	9.7	13.8
23	.10	.50	.80	2.0	2.0	1.8	0	0	.60	.50	2.0	15.8
24	.10	.70	.70	1.8	1.8	1.7	0	0	.70	.40	2.8	15.4
25	0	.60	.60	1.8	1.7	1.5	0	0	.60	.30	4.7	13.8
26	0	.60	.60	1.7	1.6	1.5	0	0	.50	.30	5.7	12.2
27	0	.50	.70	1.6	1.4	1.3	0	0	.50	.40	5.7	10.1
28	0	.50	.80	1.9	1.2	1.2	0	0	.50	.50	5.0	11.3
29	0	.40	.70	1.6	1.0	1.0	0	0	.2.3	.50	4.5	9.5
30	0	.40	.70	1.4	-----	.90	0	0	5.4	.50	3.7	8.9
31	0	-----	.70	1.3	-----	.80	-----	0	-----	.60	2.8	-----
TOTAL	7.30	15.80	16.30	48.00	57.50	28.40	10.90	0.20	11.10	34.40	409.60	2,153
MEAN	.24	.53	.53	1.55	2.05	.92	.36	.007	1.37	1.11	13.2	71.8
MAX	.60	1.4	1.7	2.3	4.9	1.8	1.0	.10	6.3	6.3	5.7	15.8
MIN	0	0	.20	.80	.70	.50	0	0	0	.30	.80	2.1
CFSM	.001	.003	.003	.01	.01	.006	.002	0	.002	.007	.01	.45
IN	.002	.004	.004	.01	.01	.007	.003	0	.003	.008	.10	.50
AC-FT	14	31	32	95	114	56	27	.4	22	68	812	4,270
CAL YR 1961	TOTAL	3,330.10	MEAN	9.12	MAX	105	MIN	0	CFSM	.06	IN	.77
WAT YR 1962	TOTAL	2,792.50	MEAN	7.65	MAX	158	MIN	0	CFSM	.05	IN	.65
										AC-FT	6,610	
										AC-FT	5,540	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	.86	7.0	3.2	2.6	2.3	245	52	3.7	1.2	4.1	2.9	2.8
2	.80	6.2	3.3	2.6	2.3	252	46	3.8	1.0	3.2	5.0	2.1
3	.74	5.7	3.1	2.4	2.6	309	41	3.6	.90	2.7	12	2.3
4	.69	5.9	2.8	2.2	4.5	419	36	3.8	.70	2.3	28	2.3
5	.65	5.2	2.7	2.1	3.2	474	32	3.6	.60	2.0	33	2.3
6	.59	4.7	2.9	2.2	6.2	486	28	3.1	.50	2.0	27	2.3
7	.54	4.3	2.6	2.7	7.8	477	45	2.5	1.0	2.2	19	2.4
8	.49	4.0	2.6	2.6	7.9	459	41	2.0	1.4	1.7	16	2.4
9	.49	4.6	2.7	2.5	7.2	443	33	1.7	1.1	3.9	16	2.4
10	.49	4.3	2.5	2.4	6.5	457	29	1.5	.90	9.0	13	2.3
11	.46	3.8	2.2	2.2	6.2	464	24	1.3	.80	7.2	10	2.2
12	.42	3.8	2.2	2.1	9.2	457	21	1.2	.70	5.4	8.1	2.0
13	.38	4.6	2.1	2.0	10.4	434	18	1.1	.60	4.4	8.1	1.8
14	.34	4.0	2.0	1.8	13.2	407	16	1.0	.50	4.1	9.2	1.8
15	.32	3.6	2.0	1.8	14.4	378	14	.90	.50	3.6	11	2.1
16	.28	3.3	1.9	1.7	14.1	343	12	.80	.40	3.7	14	2.4
17	.24	3.1	1.9	1.9	13.5	308	10	.70	.30	4.6	19	2.5
18	.21	2.8	1.9	1.9	13.2	275	8.5	.70	.20	4.6	24	2.6
19	.18	2.6	1.7	1.7	13.6	244	7.2	.60	.20	5.0	24	3.1
20	.15	2.6	1.7	1.7	16.8	217	6.2	.50	.10	4.1	34	3.4
21	.12	2.7	1.7	2.3	18.8	188	5.4	.60	.10	3.7	56	3.4
22	.13	4.6	1.7	2.4	166	162	4.6	.60	.20	5.7	82	3.7
23	.13	3.8	1.7	4.4	146	140	4.0	.50	.20	7.9	70	4.6
24	.11	3.8	1.7	1.2	136	120	3.6	.50	.40	7.9	65	6.1
25	.10	3.6	1.7	1.3	132	106	3.6	.50	.60	8.3	53	6.9
26	.8.5	3.2	2.5	1.7	146	96	4.1	.70	3.6	7.6	46	7.3
27	7.2	2.9	3.7	2.3	195	87	3.6	1.8	10	6.0	42	7.3
28	6.4	2.9	3.7	2.4	236	79	2.8	1.5	15	4.9	44	7.3
29	.5.7	2.9	3.6	2.5	-----	71	2.3	2.2	7.9	4.0	44	7.2
30	.5.2	3.2	3.4	2.4	-----	64	2.1	1.6	5.5	3.3	40	7.0
31	6.4	-----	3.1	24	-----	59	-----	1.4	-----	2.7	34	-----
TOTAL	1,030.4	119.5	76.5	214.4	3,111	8,720	556.0	51.30	57.10	143.8	918.3	1,083
MEAN	33.2	3.98	2.47	6.92	111	281	18.5	1.65	1.90	4.64	29.5	36.1
MAX	.86	7.0	3.7	2.5	234	486	52	3.8	15	9.0	82	7.3
MIN	.58	2.6	1.7	1.7	23	59	2.1	.50	.10	1.7	2.9	1.8
CFSM	.21	.02	.02	.04	.69	1.76	.12	.01	.01	.03	.19	.23
IN	.24	.03	.02	.05	.72	2.03	.13	.01	.01	.03	.21	.25
AC-FT	2,040	237	152	425	6,170	17,300	1,100	102	113	285	1,820	2,150
CAL YR 1962	TOTAL	3,979.50	MEAN	10.9	MAX	158	MIN	0	CFSM	.07	IN	.92
WAT YR 1963	TOTAL	16,083.30	MEAN	44.1	MAX	486	MIN	.10	CFSM	.28	IN	3.74
										AC-FT	7,890	
										AC-FT	31,900	

## 2-3122 Little Withlacoochee River at Rerdel, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	67	2.3	25	34	277	210	336	90	2.2	2.0	7.4	52
2	66	2.1	24	33	258	197	338	138	1.9	3.6	8.8	51
3	65	1.8	23	32	246	183	332	170	1.6	7.7	6.8	59
4	65	1.6	23	30	254	171	318	172	1.5	5.4	4.9	60
5	64	1.5	22	29	275	161	299	160	1.4	3.8	3.8	66
6	62	2.0	21	27	340	151	278	144	1.5	3.1	3.2	72
7	59	1.9	20	33	371	142	257	129	1.4	2.2	2.8	76
8	57	1.7	20	35	421	134	235	116	1.1	1.7	2.5	77
9	54	1.5	19	40	429	124	213	105	1.0	1.4	2.2	75
10	51	1.8	18	43	432	115	190	96	.90	1.2	2.2	141
11	48	24	17	43	432	108	170	88	.90	1.0	2.8	320
12	44	28	17	62	427	102	150	80	.80	1.0	4.0	373
13	40	29	16	131	417	97	133	73	.70	.90	4.6	542
14	37	31	17	144	401	93	118	67	.60	.80	5.0	619
15	34	32	20	143	381	88	107	60	.60	.70	5.7	674
16	31	32	20	176	359	85	97	53	.50	.80	5.9	719
17	27	32	21	207	335	101	89	47	.50	1.0	5.7	746
18	24	32	21	242	325	109	81	41	.70	1.4	5.0	737
19	22	31	20	274	341	112	73	36	.80	1.0	6.4	704
20	19	30	19	281	351	111	66	30	2.0	.90	6.6	650
21	17	30	18	278	346	106	59	25	3.1	.80	7.7	595
22	14	30	17	282	330	99	52	21	1.4	.90	8.4	547
23	12	30	19	283	313	93	47	17	1.5	1.3	7.4	501
24	11	30	25	303	296	88	41	14	.90	1.3	6.1	457
25	9.2	29	27	312	281	83	37	11	1.3	1.8	7.0	417
26	8.1	28	29	322	263	82	36	8.5	2.7	7.2	21	382
27	6.8	27	29	320	248	91	44	6.5	2.1	12	37	348
28	5.5	27	28	329	238	131	55	5.2	2.1	9.3	48	316
29	4.4	29	29	320	224	233	65	4.2	1.7	7.4	53	282
30	3.6	26	29	310	209	309	68	3.4	1.7	6.8	55	253
31	2.8	-----	33	297	-----	329	-----	2.7	-----	6.1	54	-----
TOTAL	1,030.4	621.4	686	5,415	9,611	4,238	4,384	2,013.5	41.10	96.50	400.9	10,911
MEAN	33.2	20.7	22.1	175	331	137	146	65.0	1.37	3.11	12.9	364
MAX	67	32	33	329	432	329	338	172	3.1	12	55	746
MIN	2.8	1.5	16	27	224	82	36	2.7	.50	.70	2.2	51
CFSM	.21	.13	.14	1.09	2.07	.85	.91	.41	.009	.02	.08	2.27
IN.	.24	.14	.16	1.26	2.23	.99	1.02	.47	.01	.02	.09	2.54
AC-FT	2,060	1,230	1,360	10,740	19,060	8,410	8,700	3,990	82	191	795	21,640

CAL YR 1963. TOTAL 17,194.70 MEAN 47.1 MAX 486 MIN .10 CFSM .29 IN 4.00 AC-FT 34,110  
WAT YR 1964. TOTAL 39,446.80 MEAN 108 MAX 746 MIN .50 CFSM .67 IN 9.17 AC-FT 78,250

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	212	17	2.5	35	19	32	47	3.9	2.9	20	98	340
2	200	16	2.3	34	18	32	43	3.2	3.2	20	148	373
3	190	15	2.5	33	17	33	39	3.5	3.3	19	176	373
4	172	14	3.7	32	16	33	36	3.0	3.6	19	225	360
5	151	13	1.2	30	15	32	32	2.9	3.9	20	342	346
6	128	12	17	28	14	31	28	2.7	4.1	18	441	328
7	112	11	20	27	17	30	25	2.6	3.9	16	565	308
8	102	9.7	20	25	17	30	22	2.7	4.2	15	527	285
9	95	8.8	20	23	18	30	19	2.9	4.5	15	475	263
10	88	8.1	20	21	18	31	17	2.7	4.8	15	435	241
11	82	7.4	19	20	19	32	15	2.6	7.4	15	399	206
12	78	6.8	18	19	21	32	13	2.5	7.6	20	392	187
13	73	6.3	19	18	21	36	12	2.4	7.4	22	407	172
14	69	5.8	20	17	22	44	10	2.5	8.2	21	402	156
15	66	5.4	21	23	22	51	9.6	2.6	9.0	21	404	143
16	62	5.0	22	26	21	57	8.2	2.6	8.6	23	408	129
17	58	4.7	23	27	20	60	8.0	2.5	8.4	35	413	124
18	54	4.4	24	27	19	60	7.2	2.3	12	44	403	127
19	50	4.2	25	27	18	61	5.6	2.3	13	45	384	126
20	45	3.9	24	26	17	63	5.0	2.3	11	48	360	123
21	42	4.0	23	24	15	66	4.7	2.4	10	59	342	115
22	38	4.0	22	23	14	71	5.4	2.7	9.6	71	329	113
23	36	3.9	21	23	18	77	5.9	2.7	10	63	331	111
24	33	3.7	21	24	26	78	5.7	2.6	10	63	344	115
25	31	3.6	20	25	29	78	6.6	2.4	9.8	58	349	124
26	29	3.4	19	25	31	76	7.4	2.5	13	55	347	118
27	27	3.2	23	24	32	71	6.8	2.7	15	55	338	132
28	25	2.9	29	24	33	67	6.0	2.7	15	58	339	143
29	23	2.9	33	23	-----	62	4.8	2.9	14	60	354	173
30	21	2.8	36	22	-----	57	6.1	3.3	13	64	351	156
31	19	-----	37	21	-----	52	-----	3.0	-----	76	344	-----
TOTAL	2,411	212.9	619.0	776	567	1,565	459.0	85.3	250.4	1,153	11,172	6,010
MEAN	77.8	7.10	20.0	25.0	20.3	50.5	15.3	2.75	8.35	37.2	360	200
MAX	212	17	37	35	33	78	3.9	3.9	15	76	565	373
MIN	19	2.8	2.3	17	14	30	4.1	2.3	2.9	15	98	111
CFSM	.49	.04	.12	.16	.13	32	.10	.02	.05	.23	2.25	1.25
IN.	.56	.05	.14	.18	.13	.36	.11	.02	.06	.27	2.60	1.40
AC-FT	4,780	422	1,230	1,540	1,120	3,100	910	169	497	2,290	22,160	11,920

CAL YR 1964. TOTAL 40,353.90 MEAN 110 MAX 746 MIN .50 CFSM .69 IN 9.38 AC-FT 80,040  
WAT YR 1965. TOTAL 25,280.6 MEAN 69.3 MAX 565 MIN 2.3 CFSM .43 IN 5.88 AC-FT 50,140

## 2-3125 Withlacoochee River at Croom, Fla

Location --Lat 28°35'33", long 82°13'20", in NE¼ sec 8, T 22 S, R 21 E, on left bank at upstream side of abandoned highway bridge at Croom, Hernando County, 2 miles downstream from Little Withlacoochee River

Drainage area --880 sq mi, approximately

Records available --October 1939 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 38.94 ft above mean sea level (Corps of Engineers bench mark) Prior to Feb 2, 1940, staff gage at railroad bridge 500 ft upstream at same datum Feb 2, 1940, to Sept 30, 1963, graphic water-stage recorder at present site and datum

Average discharge --26 years, 526 cfs (380,800 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 11-14, 1961	a 485	b 10.91	July 9, 1961	c 86	-
1962	Sept 23, 24, 1962	733	6.51	Apr 16, 17, 1962	44	2.05
1963	Mar 13, 1963	1,590	8.11	June 23, 1963	62	2.38
1964	Sept 22, 1964	3,640	10.20	July 14, 1964	89	2.68
1965	Aug 18, 19, 1965	d 2,060	e 9.12	June 7, 1965	64	2.52

a Maximum peak discharge, maximum discharge during year, 4,490 cfs Oct 1, 1960, stage falling  
b Occurred Oct 1, 1960 c Minimum daily d Maximum peak discharge, maximum discharge during year, 2,420 cfs Oct 1, 1964, stage falling e Occurred Oct 1, 1964

1939-65 Maximum discharge, 8,650 cfs Mar 23, 1960 (gage height, 13.78 ft), minimum, 16 cfs July 24, 25, 1956 (gage height, 1.73 ft)  
Maximum stage known, 15.2 ft in June 1934, from floodmark

Remarks --Records good except those for periods of shifting control and those below 500 cfs, which are fair Records include considerable amount of waste water diverted from ground-water supplies during packing season by packing companies upstream (see station 2-3120 Withlacoochee River at Trilby)

Revisions --WSP 1624 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,480	1,160	451	383	329	364	306	150	117	97	197	320
2	4,440	1,110	441	386	326	354	312	142	116	98	186	349
3	4,350	1,060	433	385	325	350	304	136	122	108	178	375
4	4,190	1,020	421	378	329	346	290	132	124	107	166	393
5	4,000	970	407	374	336	339	272	134	125	99	153	411
6	3,800	925	398	369	340	328	254	133	122	93	146	423
7	3,620	888	390	366	372	319	242	164	118	90	141	431
8	3,470	859	385	363	437	303	230	160	122	87	140	439
9	3,400	845	377	363	461	294	220	149	128	86	140	449
10	3,280	808	370	364	475	291	208	155	129	91	140	447
11	3,160	781	368	362	483	289	200	162	130	99	137	441
12	3,060	757	374	357	485	288	190	165	144	111	134	425
13	2,960	733	370	362	485	286	184	163	131	105	133	400
14	2,860	712	366	378	483	283	182	163	118	96	139	375
15	2,750	694	375	385	477	274	176	161	111	91	132	351
16	2,620	673	405	383	473	267	170	153	118	93	134	329
17	2,540	652	411	374	469	265	165	143	123	99	143	304
18	2,450	631	411	369	465	266	163	140	117	106	151	283
19	2,350	610	409	368	459	266	166	140	114	111	164	265
20	2,240	590	405	364	453	265	173	142	106	116	184	247
21	2,140	570	403	360	443	259	180	143	118	119	185	231
22	2,040	552	413	357	427	248	178	140	127	122	183	217
23	1,940	540	415	353	419	238	176	134	121	132	182	204
24	1,830	528	417	347	405	230	172	124	113	140	189	193
25	1,720	518	415	337	402	220	168	123	112	151	200	183
26	1,610	505	413	333	400	212	160	130	112	158	210	172
27	1,510	495	400	333	391	210	166	139	127	167	217	165
28	1,410	485	382	332	380	214	162	140	117	176	226	160
29	1,346	475	370	332	372	228	168	133	107	194	243	156
30	1,240	463	372	335	365	258	158	122	100	203	260	152
31	1,200	-----	377	335	-----	284	-----	116	-----	204	289	-----
TOTAL	86,010	21,599	12,344	11,167	11,725	8,638	6,103	4,431	3,589	3,749	5,422	9,290
MEAN	2,710	720	398	361	419	279	203	143	120	121	175	310
MAX	4,480	1,160	451	386	485	364	312	165	144	204	289	449
MIN	1,200	463	366	332	325	210	158	116	100	86	137	152
AC-FT	166,600	42,840	24,480	22,190	23,260	17,130	12,110	8,790	7,120	7,440	10,750	18,430
CAL YR 1960	TOTAL 585,621	MEAN 1,600	MAX 8,630	MIN 307	AC-FT 1,162,000							
MAT YR 1961	TOTAL 182,087	MEAN 499	MAX 4,480	MIN 86	AC-FT 361,200							

Note --Shifting-control method used May 13 to June 20, July 31 to Sept 1

## 2-3125 Withlacoochee River at Croom, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	146	87	79	116	113	86	56	64	68	317	128	451
2	141	87	79	118	113	93	54	61	71	355	128	462
3	136	85	77	112	112	97	51	61	74	394	136	472
4	131	82	77	105	111	98	50	62	82	416	142	479
5	128	91	75	111	111	97	50	65	81	419	146	477
6	123	101	75	121	110	93	50	67	75	410	152	474
7	119	103	75	127	105	82	53	67	71	396	161	488
8	116	99	74	127	105	73	55	60	70	376	170	495
9	113	95	74	125	109	81	54	55	60	351	182	493
10	111	94	73	119	123	91	51	54	52	317	199	497
11	111	93	73	122	124	98	49	60	62	294	213	506
12	112	92	73	130	124	99	49	65	75	278	220	523
13	111	89	73	133	115	98	48	62	61	262	270	529
14	109	87	73	127	105	87	48	61	56	242	214	541
15	107	86	73	119	104	80	46	63	57	221	207	568
16	107	83	73	112	105	87	45	61	59	201	200	590
17	109	81	72	111	112	97	45	57	87	179	194	608
18	107	80	74	118	118	99	48	56	101	160	188	618
19	104	80	73	123	105	95	60	56	86	154	185	618
20	101	79	75	127	100	87	65	55	71	155	187	632
21	99	80	75	129	95	76	67	56	67	152	193	662
22	96	80	80	129	111	70	65	58	77	139	196	691
23	97	80	94	129	111	76	64	59	118	125	251	727
24	95	81	110	129	109	74	61	53	146	116	294	721
25	95	82	123	128	109	93	50	54	146	106	317	688
26	94	82	116	128	104	99	46	53	149	103	350	664
27	92	82	99	128	99	93	53	53	159	105	376	643
28	92	81	89	128	93	81	59	54	188	111	398	640
29	94	81	83	127	-----	71	65	56	231	130	408	640
30	92	80	94	123	-----	64	72	49	285	133	421	643
31	89	-----	106	117	-----	60	-----	56	-----	131	434	-----
TOTAL	3,379	2,283	2,557	3,798	3,055	2,675	1,629	1,808	2,985	7,248	7,210	17,235
MEAN	109	86.1	82.5	123	109	86.3	54.3	58.3	99.5	234	233	575
MAX	146	103	123	133	124	99	72	67	285	419	434	727
MIN	79	79	72	105	93	60	45	50	52	103	128	451
AC-FT	6,700	5,120	5,070	7,530	6,060	5,310	3,230	3,590	5,920	14,380	14,300	34,190

CAL YR 1961 TOTAL 72,653 MEAN 199 MAX 485 MIN 72 AC-FT 144,100  
 WAT YR 1962- TOTAL 56,162 MEAN 154 MAX 727 MIN 45 AC-FT 111,400

Note --Shifting-control method used July 10 to Sept 30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	643	127	116	128	155	670	431	119	104	104	477	340
2	643	124	116	127	147	715	383	120	101	103	508	338
3	637	123	114	127	152	766	343	171	98	104	525	337
4	628	123	112	126	164	874	308	123	96	110	542	334
5	613	122	111	125	196	1,090	285	124	94	120	558	331
6	595	120	109	125	236	1,260	265	118	91	132	560	331
7	576	119	108	125	262	1,350	276	113	91	146	552	330
8	550	119	106	122	265	1,480	270	107	90	158	540	324
9	532	120	104	115	249	1,410	250	101	90	178	528	312
10	505	120	103	117	232	1,450	229	96	91	200	505	296
11	473	120	102	120	223	1,520	212	92	90	208	479	281
12	447	120	101	122	248	1,570	203	90	87	213	451	267
13	417	124	101	127	285	1,580	200	89	83	216	419	252
14	389	124	102	120	331	1,560	190	89	78	216	385	236
15	358	124	100	112	372	1,520	179	89	76	213	349	224
16	330	124	98	105	363	1,450	169	89	72	214	319	217
17	302	123	100	103	393	1,380	159	89	71	225	300	215
18	276	123	111	102	389	1,300	152	89	70	270	296	211
19	254	123	119	104	391	1,220	146	87	67	281	275	214
20	233	123	122	108	403	1,140	145	86	66	286	257	224
21	215	125	124	113	435	1,040	146	87	67	295	262	235
22	205	130	125	111	459	970	142	89	65	314	304	247
23	195	131	125	107	469	900	133	85	64	337	324	267
24	183	130	125	126	475	838	124	84	67	352	331	286
25	171	128	126	151	479	790	121	84	70	377	331	307
26	160	125	132	155	500	736	121	84	85	393	331	322
27	151	123	135	157	545	679	123	96	107	403	325	330
28	144	123	129	158	605	619	119	112	111	409	326	332
29	138	119	128	156	-----	570	114	124	113	419	330	340
30	132	117	131	152	-----	518	114	124	107	421	336	356
31	129	-----	130	154	-----	473	-----	111	-----	451	338	-----
TOTAL	11,228	3,696	3,565	3,895	9,456	33,338	6,052	3,110	2,562	7,878	12,361	8,636
MEAN	362	123	115	126	338	1,075	202	100	85.4	254	399	288
MAX	643	131	135	158	605	1,580	431	124	113	451	560	356
MIN	129	117	98	102	147	473	114	84	64	103	257	211
AC-FT	22,270	7,330	7,070	7,730	18,760	66,120	12,000	6,170	5,080	15,630	24,520	17,130

CAL YR 1962 TOTAL 66,142 MEAN 161 MAX 727 MIN 45 AC-FT 131,200  
 WAT YR 1963- TOTAL 105,777 MEAN 290 MAX 1,580 MIN 64 AC-FT 209,800

## 2-3125 Withlacoochee River at Croom, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	387	124	303	223	1,190	951	1,020	365	171	102	227	856
2	434	121	287	219	1,140	928	1,060	424	160	106	271	854
3	482	118	275	216	1,090	886	1,130	463	153	114	316	888
4	532	115	263	213	1,060	858	1,200	492	148	112	359	926
5	570	112	248	213	1,050	834	1,250	497	146	111	411	922
6	595	112	235	215	1,070	808	1,290	491	143	109	455	907
7	605	110	224	229	1,100	778	1,290	503	139	107	498	879
8	603	108	215	234	1,170	747	1,270	532	136	104	532	850
9	592	107	207	237	1,200	715	1,240	565	132	102	550	825
10	572	141	199	245	1,240	680	1,190	598	129	98	568	922
11	540	175	193	247	1,260	644	1,130	623	127	98	578	1,230
12	503	205	186	291	1,270	608	1,060	636	125	96	592	1,510
13	468	223	186	359	1,280	577	994	634	121	94	605	1,820
14	433	231	190	439	1,300	545	918	632	117	91	622	2,010
15	394	233	199	495	1,320	513	854	623	114	91	637	2,180
16	357	236	204	535	1,320	487	797	604	111	93	658	2,390
17	326	245	207	593	1,310	504	742	576	112	100	675	2,670
18	297	257	198	671	1,320	497	689	542	114	110	694	3,000
19	270	266	189	774	1,330	495	630	501	113	106	727	3,270
20	248	269	187	888	1,340	490	577	456	122	107	760	3,470
21	229	271	188	991	1,350	481	528	412	131	103	787	3,590
22	212	275	187	1,070	1,320	469	473	372	124	107	799	3,630
23	199	283	193	1,150	1,260	460	431	342	117	120	811	3,590
24	187	292	207	1,220	1,200	451	401	314	111	121	820	3,500
25	176	306	214	1,280	1,140	445	374	285	108	121	833	3,360
26	166	313	211	1,320	1,090	449	353	250	108	134	840	3,200
27	157	316	202	1,340	1,050	478	350	223	107	156	844	3,030
28	149	314	196	1,350	1,020	560	342	211	105	169	849	2,860
29	142	317	196	1,340	984	694	334	208	104	184	852	2,680
30	135	313	203	1,300	-----	835	326	199	103	193	852	2,510
31	129	-----	222	1,250	-----	953	-----	184	-----	203	854	-----
TOTAL	11,088	6,508	6,616	21,147	34,774	19,812	24,243	13,757	3,751	3,662	19,876	64,331
MEAN	358	217	213	682	1,199	639	808	444	125	118	641	2,144
MAX	605	317	303	1,350	1,350	953	1,290	636	171	203	854	3,630
MIN	107	186	186	213	984	445	326	184	103	91	227	825
AC-FT	21,990	12,910	13,120	41,940	68,970	39,300	48,090	27,290	7,440	7,260	39,420	127,600
CAL YR 1963	TOTAL 111,500			MEAN 305		MAX 1,530		MIN 64		AC-FT 221,200		
MAT YR 1964	TOTAL 229,565			MEAN 627		MAX 3,630		MIN 91		AC-FT 459,300		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,340	358	175	263	220	235	252	134	81	111	483	1,570
2	2,220	348	172	262	216	241	249	131	75	115	565	1,510
3	2,100	338	171	259	212	250	249	128	70	114	637	1,470
4	1,980	326	174	256	210	263	247	126	71	113	722	1,410
5	1,880	314	214	247	205	274	239	123	71	115	862	1,330
6	1,770	301	255	237	201	283	227	121	68	111	1,050	1,250
7	1,640	290	272	233	213	285	211	119	65	111	1,410	1,180
8	1,510	279	278	230	215	285	198	116	70	121	1,640	1,100
9	1,400	269	277	226	216	286	187	114	75	130	1,720	1,040
10	1,300	260	273	225	215	285	180	113	74	122	1,760	975
11	1,200	251	267	225	214	279	174	111	92	119	1,820	908
12	1,110	242	261	221	215	276	167	106	90	128	1,870	855
13	1,050	235	257	212	214	289	161	104	89	173	1,870	812
14	998	228	253	209	215	313	156	104	87	183	1,910	768
15	944	222	250	218	215	324	152	104	87	189	1,960	720
16	889	218	246	232	213	333	153	103	87	193	2,020	670
17	847	214	245	244	205	337	149	102	82	216	2,040	641
18	802	211	248	250	202	334	143	100	96	239	2,050	615
19	796	206	253	244	201	331	140	96	110	270	2,050	581
20	715	203	254	235	196	330	135	94	102	322	2,050	552
21	667	201	254	231	192	331	132	93	96	348	2,030	523
22	620	199	250	227	188	333	136	93	97	379	2,030	493
23	581	197	242	227	193	333	136	91	97	393	2,030	469
24	547	196	240	233	212	328	136	89	97	402	2,040	450
25	514	194	242	241	225	321	137	86	102	405	2,030	438
26	484	190	242	241	233	309	138	83	99	412	1,970	434
27	459	186	247	233	232	297	140	88	104	421	1,890	451
28	436	183	247	229	232	285	141	83	109	422	1,820	481
29	414	181	247	226	-----	276	140	86	111	429	1,760	509
30	393	178	252	226	-----	266	137	87	111	435	1,710	551
31	373	-----	258	224	-----	257	-----	86	-----	441	1,650	-----
TOTAL	32,939	7,218	7,516	7,266	5,920	9,169	5,142	3,214	2,664	7,682	51,429	24,756
MEAN	1,063	241	242	234	211	296	171	104	88.8	248	1,659	825
MAX	2,340	358	278	263	233	337	252	134	111	441	2,050	1,570
MIN	373	178	171	209	188	235	132	83	65	111	483	434
AC-FT	65,330	14,320	14,910	14,410	11,740	18,190	10,200	6,370	5,280	15,240	102,000	49,100
CAL YR 1964	TOTAL 253,026			MEAN 691		MAX 3,630		MIN 91		AC-FT 501,900		
MAT YR 1965	TOTAL 164,915			MEAN 452		MAX 2,340		MIN 65		AC-FT 327,100		

2-3126 4 Jumper Creek Canal near Bushnell, Fla

Location --Lat 28°41'45", long 82°06'34", in NE¼ sec 4, T 21 S, R 22 E, near center of span on downstream side of bridge on State Highway 475, 2 2 miles north of Bushnell, Sumter County

Drainage area --40 sq mi, approximately

Records available --September 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 55 00 ft above mean sea level, datum of 1929 Prior to Aug 17, 1965, graphic water-stage recorder at present site and datum

Extremes --1963-64 Maximum discharge during water year, 143 cfs Sept 13 (gage height, 5 06 ft), minimum, 4 0 cfs June 19 (gage height, 2 4 ft, estimated)  
1964-65 Maximum discharge during year, 97 cfs Aug 5 (gage height, 4 40 ft), minimum, 5 4 cfs May 20 (gage height, 2 25 ft)

Remarks --Records good except those for period Apr 1 to Sept 30, 1965, and those below 10 cfs, which are fair Some diurnal fluctuation at low flow

Discharge, in cubic feet per second, 1963

Sept 20	16	Sept 26	22
21	18	27	24
22	17	28	23
23	21	29	22
24	23	30	20
25	22		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	19	13	16	15	38	38	50	40	14	11	19	27
2	20	13	15	13	37	36	48	53	13	11	18	30
3	20	13	16	15	37	35	46	48	12	13	18	25
4	19	12	16	16	40	36	44	41	18	12	15	25
5	17	13	15	13	44	37	41	38	18	10	16	24
6	16	13	15	15	55	39	40	35	16	8.7	16	27
7	14	17	15	18	56	37	39	35	14	7.6	19	28
8	13	11	14	19	69	35	37	34	12	7.6	18	27
9	12	12	13	19	66	33	36	32	13	7.6	22	27
10	14	24	13	16	60	32	35	29	12	10	24	45
11	13	23	13	19	56	32	34	28	11	11	24	113
12	12	19	13	32	54	33	33	29	9.0	8.4	27	106
13	13	18	13	48	52	32	32	32	7.8	8.4	25	139
14	13	15	12	44	50	30	30	25	9.0	8.4	30	132
15	13	14	13	39	47	30	29	23	8.4	7.3	29	125
16	13	16	12	36	46	29	29	23	9.7	6.7	30	128
17	12	13	15	41	43	38	28	25	7.8	8.7	29	112
18	13	15	14	48	50	40	28	21	5.8	11	30	102
19	13	13	13	44	60	36	26	21	6.0	8.4	28	94
20	13	15	15	44	54	35	27	21	10	8.1	32	87
21	12	13	13	42	51	34	27	20	10	7.3	32	80
22	11	14	13	40	49	32	26	19	9.0	7.8	34	77
23	12	16	12	40	48	30	24	19	8.0	8.7	33	73
24	9.3	15	16	41	45	31	24	19	6.0	11	32	69
25	13	14	16	41	43	32	23	17	9.0	11	30	65
26	15	17	15	39	43	32	21	16	9.0	15	29	62
27	12	17	14	40	40	36	23	17	7.6	25	28	58
28	7.8	18	15	41	42	46	25	16	7.0	23	30	55
29	11	18	14	40	39	68	27	15	6.4	19	29	55
30	13	17	13	41	-----	58	23	16	8.4	19	26	52
31	12	-----	15	40	-----	52	-----	12	-----	19	27	-----
TOTAL	420.1	456	437	999	1,414	1,144	955	819	306.9	350.7	799	2,069
MEAN	13.6	15.2	14.1	32.2	48.8	36.9	31.8	26.4	10.2	11.3	25.8	69.0
MAX	20	24	16	48	69	68	50	53	18	25	34	139
MIN	7.8	11	12	13	37	29	21	12	5.8	6.7	15	24
CFSM	.34	.38	.35	.81	1.22	.92	.80	.66	.26	.28	.64	1.72
IN.	.39	.42	.41	.93	1.31	1.06	.89	.76	.29	.33	.74	1.92
AC-FT	8.33	9.04	8.67	1,980	2,800	2,270	1,890	1,620	609	696	1,580	4,100

CAL YR 1963	TOTAL	MEAN	MAX	MIN	CFSM	IN	AC-FT
WAT YR 1964	TOTAL 10,169.7	MEAN 27.8	MAX 139	MIN 5.8	CFSM .69	IN 9.46	AC-FT 20,170

## 2-3126 4 Jumper Creek Canal near Bushnell, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
1	52	25	20	20	18	20	18	11	9.0	21	35	47			
2	54	24	21	20	18	24	17	11	7.6	17	55	50			
3	54	25	20	20	17	23	17	12	6.7	15	47	42			
4	52	23	23	20	17	25	17	11	8.4	14	45	38			
5	50	22	32	19	16	23	16	13	8.1	11	90	38			
6	50	22	35	19	16	23	16	11	6.7	11	82	34			
7	47	21	30	20	20	22	15	11	8.1	13	77	30			
8	45	24	26	18	20	21	14	11	7.0	16	64	29			
9	43	26	26	18	19	21	15	10	7.8	25	59	29			
10	40	24	26	18	19	22	13	12	7.8	27	86	26			
11	39	23	24	17	18	19	14	12	12	24	86	25			
12	40	23	23	18	18	20	14	11	13	26	87	22			
13	39	22	22	19	17	23	14	11	11	40	83	24			
14	38	21	23	17	17	36	14	9.7	11	46	74	22			
15	36	20	24	20	16	29	13	8.7	13	36	69	22			
16	35	21	22	20	16	26	14	9.3	12	35	62	20			
17	36	24	21	22	16	24	13	8.4	8.7	41	55	23			
18	32	23	21	20	16	27	12	9.0	12	44	49	30			
19	31	22	23	19	17	25	10	10	14	40	44	27			
20	33	22	21	19	15	24	13	8.7	13	32	47	24			
21	31	23	21	17	16	23	13	9.3	11	32	53	23			
22	31	22	20	17	15	24	13	9.3	11	32	49	21			
23	30	22	22	16	17	24	15	9.3	16	26	45	21			
24	28	22	20	18	26	23	13	9.3	18	25	40	20			
25	27	20	19	19	25	21	13	9.0	16	21	38	19			
26	29	22	17	18	24	21	13	8.1	14	21	34	18			
27	28	22	23	18	23	21	15	7.6	13	21	36	20			
28	27	20	23	17	22	20	15	8.7	12	20	40	30			
29	26	21	20	18	-----	21	13	9.3	11	20	40	30			
30	26	20	22	17	-----	21	12	13	12	22	56	35			
31	25	-----	20	19	-----	21	-----	9.7	-----	27	48	-----			
TOTAL	1,154	671	710	577	514	717	424	313.4	330.9	801	1,775	839			
MEAN	37.2	22.4	22.9	18.6	18.4	23.1	14.1	10.1	11.0	25.8	57.3	28.0			
MAX	54	26	35	22	26	36	18	13	18	46	90	50			
MIN	25	20	17	16	15	19	10	7.6	6.7	11	34	18			
CFSM	.93	.56	.57	.67	.46	.58	.35	.25	.28	.65	1.43	.70			
IN.	1.07	.62	.66	.54	.48	.67	.39	.29	.31	.74	1.65	.78			
AC-FT	2,290	1,330	1,410	1,140	1,020	1,420	841	622	656	1,590	3,520	1,660			
CAL YR 1964	TOTAL	11,391.6		MEAN	31.1	MAX	139	MIN	5.8	CFSM	.78	IN	10.59	AC-FT	22,590
WAT YR 1965	TOTAL	3,826.3		MEAN	24.2	MAX	90	MIN	6.7	CFSM	.60	IN	8.21	AC-FT	17,510

## 2-3126 9 Chitty Chatty Creek near Wildwood, Fla

Location --Lat 28°48'40", long 81°58'50", in sec 26, T 19 S, R 23 E, near right bank on downstream side of bridge on State Highway 468, 2 miles upstream from Lake Okahumpka, and 5 miles southeast of Wildwood, Sumter County

Drainage area --25 sq mi, approximately

Records available --September 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 56.00 ft above mean sea level, unadjusted Prior to Aug 17, 1965, graphic water-stage recorder at present site and datum

Extremes --1963-64 Maximum discharge during water year, 112 cfs Sept 13 (gage height, 5.22 ft), no flow for many days, minimum gage height, 1.60 ft June 26  
 1964-65 Maximum discharge during water year, 102 cfs Aug 5 (gage height, 5.11 ft), no flow Apr 20, 21, May 8 to July 8, minimum gage height, 1.57 ft June 7, 8  
 Flood of March 1960 reached a stage of 6.55 ft, from floodmarks (discharge, 260 cfs)

Remarks --Records fair Small diurnal fluctuation at low flow

Discharge, in cubic feet per second, 1963

Sept 19	0	Sept 25	0
20	0	26	4
21	0	27	4
22	0	28	3
23	0	29	7
24	1	30	16



## 2-3126 9 Chitty Chatty Creek near Wildwood, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1.1	0	.40	9.2	20	18	39	9.5	.10	0	2.7	2.4
2	.60	0	.40	7.2	18	17	30	22	.10	0	2.5	2.2
3	.40	0	.30	5.8	17	16	26	18	.10	0	3.2	2.1
4	.30	0	.30	5.0	26	15	23	11	.10	0	2.8	2.1
5	.20	0	.30	4.8	33	16	20	7.2	.10	0	2.6	2.5
6	.20	0	.30	4.9	55	16	17	5.8	.10	.10	2.4	2.7
7	.10	0	.30	11	56	15	15	4.6	.10	.10	2.2	2.0
8	.10	0	.40	13	63	14	12	3.7	0	0	2.6	1.8
9	0	0	.40	15	61	13	10	3.3	0	0	2.2	2.0
10	0	.10	.40	20	48	12	8.4	2.8	0	0	2.1	1.4
11	0	.30	.40	18	38	11	7.6	2.6	0	0	2.4	.80
12	0	.30	.40	49	33	13	7.0	2.1	0	0	2.8	104
13	0	.10	.50	72	30	17	6.5	2.0	0	0	2.8	111
14	0	.10	.50	60	27	15	5.8	2.0	0	0	3.5	101
15	0	0	.50	42	26	13	5.2	1.6	0	0	6.0	88
16	0	0	.50	32	27	12	4.5	1.4	0	0	4.1	78
17	0	0	.60	39	24	25	3.8	1.3	0	0	3.3	61
18	0	0	.70	55	30	24	3.2	1.1	0	0	3.0	46
19	0	0	.70	48	46	19	2.8	1.0	0	0	3.2	36
20	0	0	.60	39	39	34	2.4	.90	0	0	3.3	28
21	0	0	.60	32	30	42	2.1	.80	0	0	5.3	24
22	0	0	.60	26	27	33	1.9	.70	0	0	5.0	22
23	0	0	1.0	75	26	25	1.7	.60	0	0	7.0	19
24	0	0	2.7	28	23	22	1.7	.50	0	0	4.3	17
25	0	0	2.5	26	22	20	2.0	.40	0	0	3.5	15
26	0	.10	2.1	24	22	20	1.7	.40	0	.10	3.0	14
27	0	.10	1.9	21	21	29	2.1	.30	0	.50	2.8	13
28	0	.10	2.0	28	21	54	3.8	.30	0	.60	2.6	11
29	0	.30	2.8	29	20	82	8.0	.20	0	2.4	2.7	10
30	0	.50	3.1	24	-----	70	4.9	.20	0	3.6	2.7	9.7
31	0	.50	6.6	21	-----	52	-----	.20	-----	3.2	2.5	-----
TOTAL	3.00	2.00	34.80	833.9	929	784	279.1	108.50	0.70	10.60	101.1	921.0
MEAN	.097	.067	1.12	26.9	32.0	25.3	9.30	3.50	.023	.34	3.26	30.7
MAX	1.1	.30	6.6	72	63	82	39	22	.10	3.6	7.0	111
MIN	0	0	.30	4.8	17	11	1.7	.20	0	0	2.1	1.8
CFSM	.004	.003	.04	1.08	1.28	1.01	.37	.14	.0009	.01	.13	1.23
IN.	.004	.003	.05	1.24	1.38	1.17	.42	.16	.001	.02	.21	1.37
AC-FT	6.0	4.0	69	1,650	1,840	1,560	554	215	1.4	21	201	1,830

CAL YR 1963 TOTAL 4,007.70 MEAN 11.0 MAX 111 MIN 0 CFSM 44 IN 5.96 AC-FT 7,950  
WAT YR 1964 TOTAL 4,007.70 MEAN 11.0 MAX 111 MIN 0 CFSM 44 IN 5.96 AC-FT 7,950

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9.7	1.8	2.5	15	8.8	19	4.2	1.0	0	0	44	22
2	11	2.4	2.2	14	9.7	20	3.8	.70	0	0	64	18
3	16	2.2	3.3	14	9.9	22	3.4	.50	0	0	60	20
4	19	1.8	8.6	13	9.0	23	3.1	.30	0	0	66	17
5	18	1.7	25	13	8.3	20	2.8	.20	0	0	98	14
6	14	1.7	40	12	8.1	18	2.4	.20	0	0	97	14
7	11	1.9	29	11	22	16	2.0	.10	0	0	92	13
8	9.7	1.9	19	11	25	15	1.5	0	0	0	80	10
9	9.1	1.8	15	10	19	14	1.1	0	0	.10	65	9.7
10	8.3	1.7	14	9.5	16	13	.80	0	0	.10	58	11
11	7.5	1.6	13	9.1	14	12	.70	0	0	.10	50	11
12	6.7	1.6	12	9.1	13	11	.50	0	0	1.0	50	9.2
13	6.1	1.5	11	8.6	12	14	.40	0	0	16	42	6.6
14	7.5	1.4	11	9.0	12	21	.30	0	0	21	36	5.4
15	7.2	1.4	10	18	13	18	.20	0	0	14	32	4.9
16	6.0	1.4	9.1	22	13	16	.20	0	0	11	31	3.9
17	4.8	1.5	8.6	18	12	18	.20	0	0	14	30	6.1
18	4.1	1.6	9.3	14	12	15	.10	0	0	12	28	8.0
19	3.4	1.6	9.1	13	11	12	.10	0	0	8.0	33	6.6
20	3.0	1.7	8.1	12	10	11	0	0	0	5.9	28	5.1
21	2.7	2.0	7.6	11	9.5	10	0	0	0	6.3	26	4.4
22	2.4	2.1	7.3	11	9.0	9.7	.20	0	0	9.9	23	4.2
23	2.3	2.1	7.0	11	15	9.1	.30	0	0	6.3	22	3.9
24	2.2	2.0	6.7	13	36	8.6	.30	0	0	4.7	20	4.2
25	2.0	1.8	6.2	17	37	7.6	.50	0	0	4.2	18	3.1
26	2.0	1.7	6.6	15	28	6.8	3.6	0	0	6.1	16	2.8
27	1.9	1.7	19	14	22	6.2	9.0	0	0	14	17	3.5
28	1.9	2.2	29	12	20	5.8	5.6	0	0	22	18	7.5
29	1.8	3.8	22	11	-----	5.5	2.8	0	0	16	16	7.1
30	1.8	3.1	18	10	-----	5.4	1.5	0	0	17	20	7.1
31	1.8	-----	16	9.7	-----	6.8	-----	0	-----	27	21	-----
TOTAL	204.9	56.7	405.2	390.0	434.3	407.5	51.60	3.00	0	236.70	1,301	263.3
MEAN	6.61	1.89	13.1	12.6	15.5	13.1	1.72	.097	0	7.64	42.0	8.78
MAX	19	3.8	40	22	37	23	9.0	1.0	0	27	98	111
MIN	1.8	1.4	2.2	8.6	8.1	6.8	0	0	0	0	16	2.8
CFSM	.26	.08	.52	.50	.62	.53	.07	.004	0	.31	1.68	.35
IN.	.30	.08	.60	.58	.65	.61	.08	.004	0	.35	1.94	.39
AC-FT	406	112	804	774	861	808	102	6.0	0	469	2,580	522

CAL YR 1964 TOTAL 4,834.70 MEAN 12.7 MAX 111 MIN 0 CFSM .51 IN 6.89 AC-FT 9,190  
WAT YR 1965 TOTAL 3,754.20 MEAN 10.3 MAX 98 MIN 0 CFSM .41 IN 5.58 AC-FT 7,450



## 2-3127 Outlet River at Panacocochee Retreats, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	37	22	71	88	171	366	344	310	242	182	243	265
2	38	21	72	90	170	359	347	319	240	182	247	267
3	37	21	71	90	171	356	345	320	237	185	249	271
4	37	21	72	90	176	354	344	320	238	182	248	276
5	37	21	72	90	300	353	339	320	240	181	246	277
6	37	23	70	91	400	352	336	320	237	180	244	276
7	36	22	70	94	480	343	335	310	234	176	244	273
8	36	22	71	98	477	340	333	310	230	174	242	269
9	36	22	69	101	471	336	330	310	226	170	240	261
10	36	64	69	105	462	343	323	310	223	167	237	296
11	34	77	70	105	453	330	320	303	220	163	237	331
12	33	77	70	124	444	324	318	302	218	161	237	358
13	32	74	71	128	437	325	315	300	214	159	238	387
14	31	73	70	132	432	323	311	299	210	157	240	410
15	31	72	70	134	424	319	304	297	206	154	238	427
16	31	72	68	136	417	319	303	294	203	152	238	439
17	31	72	70	144	412	323	300	292	199	152	241	452
18	31	71	69	150	412	322	297	288	196	158	243	444
19	31	70	71	152	412	320	293	286	194	159	244	440
20	31	70	69	156	410	330	291	283	191	189	246	428
21	31	71	69	158	401	331	288	280	189	186	253	423
22	29	70	69	160	397	324	286	276	185	185	263	411
23	28	70	71	162	393	324	283	272	180	182	267	405
24	28	70	73	164	391	323	282	268	176	185	268	393
25	28	73	72	165	386	322	281	265	174	190	269	387
26	28	73	74	167	378	323	281	261	176	215	268	376
27	28	73	74	167	377	325	280	257	175	234	267	370
28	26	74	75	170	370	338	290	253	175	237	265	359
29	24	70	77	171	368	348	300	247	181	237	267	353
30	24	71	76	171	368	348	300	247	181	236	267	359
31	23	-----	87	172	-----	350	-----	244	-----	237	266	-----
TOTAL	980	1,702	2,224	4,125	10,992	10,383	9,299	8,965	6,190	5,707	7,762	10,663
MEAN	31.6	56.7	71.7	133	379	345	310	289	206	184	250	355
MAX	59	77	97	172	480	347	320	324	264	269	452	476
MIN	23	21	68	88	170	319	280	244	174	152	237	261
CFSM	10	18	22	42	118	105	97	90	64	58	78	111
IN.	11	20	26	48	128	121	108	104	72	66	90	124
AC-FT	1,960	3,380	4,410	8,180	21,800	20,590	18,440	17,780	12,280	11,320	15,400	21,150
CAL YR 1963 TOTAL	32,733.00	MEAN 89.7	MAX 216	MIN 0	CFSM .28	IN 3.80	AC-FT 64,920					
WAT YR 1964 TOTAL	78,992	MEAN 216	MAX 480	MIN 21	CFSM .67	IN 9.18	AC-FT 156,700					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	347	292	202	230	200	246	184	158	124	181	312	478
2	358	289	202	225	200	246	179	161	119	188	363	476
3	365	287	209	220	200	248	174	161	112	204	386	471
4	372	285	236	218	200	248	172	161	108	202	414	462
5	377	278	276	214	200	241	168	158	108	195	434	453
6	379	273	296	209	204	234	161	158	105	190	453	448
7	384	269	301	207	232	236	156	158	103	190	487	441
8	386	264	301	202	239	225	154	156	124	200	499	434
9	391	260	301	200	243	225	149	154	156	197	501	430
10	393	253	299	195	246	220	144	151	161	197	501	420
11	395	250	292	193	246	218	142	149	190	200	512	411
12	398	248	289	188	246	211	135	147	209	195	538	398
13	398	246	282	188	243	220	135	144	211	202	538	391
14	400	241	273	188	243	230	135	144	216	216	533	386
15	402	236	266	200	243	227	133	142	218	220	529	393
16	400	232	262	197	241	227	131	140	220	227	526	384
17	400	227	255	193	239	227	133	135	216	248	519	388
18	400	223	248	195	236	223	131	133	223	262	512	391
19	400	218	241	195	230	223	128	133	234	262	506	384
20	391	216	234	195	225	223	126	131	230	260	499	379
21	386	218	232	190	223	220	128	133	223	260	494	374
22	379	216	227	190	216	218	138	131	214	266	487	370
23	370	214	220	190	227	216	142	128	207	262	483	363
24	363	211	216	195	248	211	144	128	202	257	478	365
25	354	211	211	204	236	209	149	124	202	253	473	365
26	347	211	214	204	244	207	154	124	202	248	476	374
27	338	211	227	202	248	204	161	122	197	248	476	374
28	331	209	236	200	248	200	161	122	200	248	476	374
29	322	208	236	197	-----	197	158	119	193	241	480	386
30	312	204	234	197	-----	193	158	124	190	246	478	400
31	303	-----	234	193	-----	186	-----	131	-----	269	478	-----
TOTAL	11,541	7,201	7,752	6,214	6,445	6,859	4,463	4,360	5,417	7,029	14,850	12,173
MEAN	372	240	250	200	230	220	141	133	181	227	479	410
MAX	402	292	301	230	248	248	184	161	234	269	538	478
MIN	303	204	202	188	200	186	126	119	103	181	312	363
CFSM	116	75	78	63	72	69	46	44	56	71	150	127
IN.	134	84	90	72	75	80	52	51	63	82	173	141
AC-FT	22,890	14,280	15,380	12,330	12,780	13,600	8,850	8,650	10,740	13,940	29,450	24,140
CAL YR 1964 TOTAL	100,580	MEAN 275	MAX 480	MIN 88	CFSM .86	IN 11.69	AC-FT 199,500					
WAT YR 1965 TOTAL	94,304	MEAN 258	MAX 538	MIN 103	CFSM .81	IN 10.96	AC-FT 187,000					

WITHLACOOCHEE RIVER BASIN

653

2-3130 Withlacoochee River near Holder, Fla

Location (revised) --Lat 28°59'19" long 82°20'59", in NW¼ sec 30, T 17 S, R 20 E, Marion County, near right bank on downstream side of bridge on State Highway 200, 4½ miles northeast of Holder, Citrus County

Drainage area --1,710 sq mi, approximately

Records available --August 1928 to February 1929, August 1931 to September 1965

Gage --Digital water-stage recorder Datum of gage is 27.52 ft above mean sea level (levels by Corps of Engineers) Aug 14, 1928, to Feb 15, 1929, staff gage at present site at datum 2.00 ft higher Aug 29, 1931, to May 19, 1961, graphic water-stage recorder at site 100 ft downstream at present datum and May 20, 1961, to Aug 8, 1965, at present site and datum

Average discharge --34 years (1931-65), 1,170 cfs (847,000 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 10, 1960	7,060	12.05	June 7, 8, 1961	455	1.10
1962	Sept 28, 1962	1,020	3.20	May 28, 1962	a 153	b - 13
1963	Mar 21, 1963	1,460	4.76	July 4, 1963	381	0.75
1964	Feb 11, 1964	c 2,170	d 9.10	Nov 5, 1963	378	0.61
1965	Oct 4, 1964	3,980	9.22	June 6, 1965	442	1.17

a Minimum measured year, 3,780 cfs Sept 30, 1964, stage rising b Occurred May 16, 1962 c Maximum peak discharge, maximum discharge during d Occurred Sept 30, 1964

1928-29, 1931-65 Maximum discharge, 8,660 cfs Apr 5, 1960 (gage height, 13.28 ft), minimum, 112 cfs June 18, 1966, minimum gage height, -0.41 ft June 19, 1945

Remarks --Records good except those for periods of shifting control, which are fair, and those for period of indefinite stage-discharge relation, which are poor Records of chemical analyses for the water years 1962-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions --WSP 1234 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,390	4,660	1,950	1,670	1,450	1,350	881	632	474	683	594	1,330
2	6,440	4,560	1,900	1,670	1,430	1,320	869	648	472	643	629	1,290
3	6,490	4,420	1,860	1,660	1,420	1,300	852	632	470	608	648	1,250
4	6,500	4,300	1,830	1,640	1,410	1,300	849	621	467	602	645	1,200
5	6,510	4,170	1,800	1,620	1,400	1,280	855	602	467	597	651	1,170
6	6,560	4,030	1,780	1,600	1,390	1,270	849	584	466	589	651	1,150
7	6,640	3,890	1,760	1,580	1,460	1,250	872	580	456	582	632	1,130
8	6,720	3,740	1,730	1,560	1,560	1,210	881	577	456	568	602	1,120
9	6,910	3,620	1,710	1,550	1,560	1,170	878	570	466	575	629	1,100
10	7,050	3,500	1,690	1,530	1,560	1,140	878	621	476	582	672	1,080
11	7,040	3,370	1,660	1,510	1,560	1,120	855	640	485	580	643	1,070
12	6,990	3,240	1,640	1,500	1,550	1,090	849	676	494	608	605	1,060
13	6,920	3,160	1,620	1,490	1,540	1,080	852	613	510	584	582	1,050
14	6,830	3,050	1,600	1,500	1,540	1,080	831	602	548	616	570	1,040
15	6,740	2,950	1,620	1,500	1,530	1,060	826	594	558	785	584	1,020
16	6,640	2,850	1,660	1,490	1,520	1,050	814	589	577	791	662	1,000
17	6,540	2,760	1,690	1,480	1,510	1,040	800	587	565	743	831	978
18	6,420	2,670	1,700	1,470	1,500	1,040	779	575	541	697	869	957
19	6,310	2,600	1,700	1,460	1,480	1,050	760	544	514	678	951	936
20	6,190	2,530	1,690	1,470	1,480	1,060	729	532	516	707	1,140	918
21	6,060	2,450	1,700	1,460	1,460	1,070	702	532	556	697	1,160	901
22	5,940	2,380	1,700	1,440	1,460	1,040	683	529	556	675	1,140	875
23	5,790	2,320	1,690	1,430	1,440	1,010	667	510	536	659	1,080	849
24	5,670	2,260	1,690	1,420	1,430	978	651	502	532	643	1,040	820
25	5,540	2,200	1,680	1,400	1,430	930	648	500	536	624	1,060	791
26	5,420	2,150	1,660	1,390	1,410	921	653	494	560	613	1,080	768
27	5,290	2,100	1,650	1,370	1,390	898	640	499	656	691	1,070	749
28	5,170	2,060	1,640	1,350	1,380	878	626	506	694	680	1,110	726
29	5,030	2,030	1,660	1,440	-----	863	618	514	702	659	1,160	729
30	4,880	1,990	1,650	1,480	-----	855	621	502	707	632	1,250	729
31	4,770	-----	1,650	1,480	-----	855	-----	488	-----	610	1,400	-----
TOTAL	192,390	92,030	52,960	46,610	41,250	33,558	23,268	17,545	16,013	20,001	26,340	29,786
MEAN	6,206	3,068	1,708	1,504	1,473	1,083	776	566	534	645	850	993
MAX	7,080	4,660	1,950	1,670	1,560	1,350	881	648	707	791	1,400	1,330
MIN	4,770	1,990	1,600	1,350	1,380	855	618	488	456	568	570	726
CSFM	3.773	1.79	1.00	.88	.86	.63	.45	.33	.31	.38	.50	.58
I.N.	4.18	2.00	1.15	1.01	.90	.73	.51	.38	.35	.43	.57	.65
AC-FT	381,600	182,500	105,000	92,450	81,820	66,560	46,150	34,800	31,760	39,670	52,240	59,080
CAL YR 1960	TOTAL 1,303,170	MEAN 3,561	MAX 8,660	MIN 1,180	CSFM 2.08	IN 28.34	AC-FT 2,585,000					
WAT YR 1961	TOTAL 591,751	MEAN 1,621	MAX 7,050	MIN .456	CSFM .95	IN 12.87	AC-FT 1,174,000					

## 2-3130 Withlacoochee River near Holder, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
1	716	556	520	470	462	404	378			461	502	670			
2	707	553	516	468	455	396	380			484	483	697			
3	686	556	522	467	455	386	368	175	160	459	474	700			
4	662	551	522	461	455	383	359			430	483	710			
5	640	558	499	458	456	388	348			418	490	723			
6	621	610	494	467	456	382	336			425	486	734			
7	613	713	492	478	449	377	330			443	483	745			
8	605	746	470	479	440	380	330	180	170	439	454	741			
9	602	724	460	470	436	374	324			439	429	730			
10	582	694	465	461	454	370	322			457	429	719			
11	577	664	469	464	488	368	323			479	436	715			
12	587	645	473	479	518	364	324			447	447	719			
13	605	632	484	485	524	364	317	165	200	430	452	719			
14	621	616	484	490	524	364	304			443	448	710			
15	620	599	482	499	506	380	299			465	430	723			
16	629	577	474	495	495	495	288			490	427	725			
17	618	503	479	488	492	384	287			490	438	723			
18	614	539	484	479	480	377		170	220	497	436	715			
19	624	536	484	473	472	372	250			490	429	708			
20	610	534	474	470	464	470				479	447	777			
21	584	532	466	464	455	478				477	465	756			
22	565	524	462	462	452	383				515	550	785			
23	548	532	461	464	443	398	200	180	250	533	548	852			
24	546	543	460	472	434	398				526	578	948			
25	551	558	458	476	426	396				515	622	980			
26	558	553	458	474	426	401				513	648	992			
27	563	551	460	478	419	394			330	504	656	1,000			
28	550	541	473	490	413	396	170	150		513	646	1,010			
29	572	536	473	487	-----	384				506	652	1,010			
30	584	529	464	479	-----	376			423	511	638	1,000			
31	577	-----	462	468	-----	372	-----			528	630	-----			
TOTAL	18,755	17,505	14,844	14,715	12,955	11,854	8,221	5,200	6,743	14,806	15,736	23,681			
MEAN	605	566	479	475	463	382	274	169	225	478	508	789			
MAX	716	746	522	499	529	404	380	-	423	533	656	1,010			
MIN	546	524	458	458	413	364	-	-	-	418	427	670			
CFSM	.35	.34	.28	.28	.27	.22	.16	.10	.13	.28	.30	.46			
IN-	.41	.38	.32	.32	.23	.26	.18	.11	.15	.32	.34	.52			
AC-FT	37,200	34,480	29,440	29,190	25,700	23,510	16,310	10,410	13,370	29,370	31,210	46,970			
CAL YR 1961	TOTAL 30,555			MEAN 337		MAX 1,670		MIN 456		CFSM .49		IN 6.65		AC-FT 606,100	
WAT YR 1962	TOTAL 105,145			MEAN 452		MAX 1,010		MIN -		CFSM .26		IN 3.59		AC-FT 327,600	

Note --Stage-discharge relation indefinite Apr 18 to June 29

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	UCT.	NOV	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
1	998	694	552	504	557	920	1,260	536	477	394	514	521			
2	992	679	546	501	543	947	1,220	529	465	390	514	545			
3	988	664	541	493	559	950	1,180	516	450	385	541	559			
4	990	648	538	479	630	956	1,140	510	440	387	561	568			
5	985	630	534	477	613	980	1,090	501	431	400	570	541			
6	975	620	529	479	604	998	1,050	493	428	398	554	554			
7	962	620	504	495	615	1,010	1,040	483	434	396	554	552			
8	950	633	495	493	617	1,020	1,030	473	440	392	561	534			
9	945	649	504	491	610	1,060	1,070	464	440	397	564	523			
10	938	657	491	483	612	1,150	1,020	454	434	454	564	510			
11	928	668	479	477	623	1,190	986	445	424	464	568	495			
12	925	696	473	471	706	1,240	950	447	413	447	580	491			
13	915	710	458	471	810	1,270	920	445	403	443	580	493			
14	900	668	441	475	784	1,300	881	433	409	456	580	491			
15	862	646	431	465	769	1,330	833	428	409	454	587	491			
16	878	641	426	464	755	1,360	807	429	416	464	582	487			
17	870	633	422	462	747	1,380	772	429	428	454	566	475			
18	852	630	441	454	744	1,410	724	421	422	462	599	471			
19	826	628	449	449	804	1,430	694	409	417	447	550	460			
20	809	615	445	447	854	1,450	677	403	409	447	529	458			
21	806	602	443	447	863	1,450	660	397	402	458	550	464			
22	890	615	441	440	836	1,450	644	394	411	475	602	475			
23	928	694	438	449	810	1,440	607	400	467	510	577	677			
24	892	592	431	521	913	1,440	575	408	465	523	580	655			
25	852	592	431	529	833	1,440	557	400	460	554	575	636			
26	811	584	479	541	863	1,430	554	391	441	541	559	625			
27	780	570	493	580	887	1,420	543	392	422	534	554	638			
28	759	564	504	597	899	1,400	529	413	421	538	563	677			
29	747	561	516	584	-----	1,360	516	445	408	541	538	607			
30	727	561	518	580	-----	1,330	508	481	400	541	536	607			
31	708	-----	510	580	-----	1,300	-----	491	-----	532	527	-----			
TOTAL	27,408	18,864	14,905	15,378	20,437	38,811	24,997	13,860	12,866	14,278	17,319	16,220			
MEAN	884	609	481	496	659	1,252	833	447	429	461	559	541			
MAX	998	710	552	597	899	1,450	1,260	536	477	554	602	677			
MIN	708	561	422	440	543	920	508	391	400	385	514	458			
CFSM	.52	.37	.28	.29	.43	.73	.49	.26	.25	.27	.33	.32			
IN-	.60	.41	.32	.33	.44	.84	.54	.30	.28	.31	.38	.35			
AC-FT	54,360	37,420	29,560	30,300	40,540	76,980	49,580	27,490	25,520	28,320	34,350	32,170			
CAL YR 1962	TOTAL 175,138			MEAN 480		MAX 1,010		MIN 150		CFSM .28		IN 3.81		AC-FT 347,400	
WAT YR 1963	TOTAL 235,343			MEAN 645		MAX 1,450		MIN 385		CFSM .38		IN 5.12		AC-FT 466,800	

Note --Shifting-control method used Nov 7 to Jan 2, July 20 to Sept 30

## 2-3130 Withlacoochee River near Holder, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	000	409	584	641	1,440	1,940	1,520	1,200	744	541	1,160	1,420
2	500	402	570	638	1,510	1,900	1,500	1,270	738	568	1,140	1,440
3	504	394	550	620	1,530	1,870	1,490	1,320	733	617	1,160	1,470
4	592	385	538	597	1,570	1,840	1,490	1,330	716	584	1,120	1,490
5	602	300	536	577	1,610	1,800	1,470	1,350	691	587	1,090	1,500
6	000	381	534	566	1,700	1,750	1,460	1,350	688	600	1,080	1,510
7	597	397	529	590	1,800	1,720	1,460	1,340	671	570	1,080	1,520
8	597	406	534	602	2,020	1,680	1,470	1,320	652	550	1,100	1,510
9	612	421	532	620	2,100	1,640	1,470	1,300	628	534	1,110	1,500
10	628	493	523	666	2,160	1,610	1,460	1,270	617	523	1,100	1,720
11	633	523	510	674	2,170	1,560	1,450	1,250	628	512	1,100	2,760
12	630	506	499	648	2,160	1,530	1,450	1,220	638	518	1,100	2,910
13	641	497	497	1,020	2,140	1,530	1,460	1,200	607	529	1,100	3,160
14	638	491	497	1,020	2,110	1,490	1,460	1,180	577	499	1,170	3,200
15	630	487	497	1,000	2,060	1,460	1,450	1,170	564	475	1,140	3,200
16	644	483	485	965	2,070	1,430	1,440	1,150	559	456	1,140	3,700
17	641	463	477	995	2,040	1,420	1,420	1,130	532	465	1,180	3,200
18	617	461	467	1,040	2,030	1,400	1,390	1,120	525	529	1,240	3,200
19	610	495	462	1,060	2,070	1,390	1,350	1,100	538	534	1,320	3,710
20	602	493	454	1,080	2,070	1,440	1,320	1,080	541	534	1,400	3,220
21	500	489	445	1,080	2,070	1,460	1,280	1,060	518	573	1,570	3,240
22	554	493	436	1,080	2,060	1,440	1,250	1,030	499	582	1,540	3,290
23	527	497	450	1,100	2,050	1,400	1,220	1,010	485	573	1,540	3,340
24	501	508	483	1,130	2,040	1,370	1,190	986	495	568	1,530	3,420
25	493	552	485	1,160	2,020	1,340	1,160	965	516	644	1,530	3,490
26	481	628	487	1,200	2,010	1,330	1,130	941	527	1,100	1,530	3,560
27	485	582	485	1,250	2,000	1,350	1,110	911	506	1,370	1,500	3,630
28	461	561	489	1,340	2,020	1,440	1,210	875	479	1,370	1,460	3,680
29	460	597	512	1,380	1,990	1,530	1,270	839	473	1,420	1,440	3,730
30	428	590	516	1,420	1,950	1,550	1,270	807	477	1,280	1,430	3,770
31	418	-----	561	1,450	-----	1,540	-----	775	-----	1,220	1,430	-----
TOTAL	17,700	14,564	15,626	29,409	56,690	48,150	41,020	34,849	17,582	21,325	39,480	81,490
MEAN	571	483	504	949	1,955	1,553	1,367	1,124	586	688	1,274	2,716
MAX	644	628	548	1,650	2,170	1,940	1,520	1,340	764	1,370	1,570	3,770
MIN	410	360	438	566	1,400	1,330	1,110	775	473	456	1,080	1,470
CFSM	3.3	2.8	2.9	5.5	1.14	.91	.80	.66	.34	.40	.74	1.59
IN	.38	.32	.34	.64	1.23	1.05	.89	.76	.38	.46	.86	1.77
AC-FT	35,110	26,770	30,990	58,330	112,400	95,500	81,360	64,120	34,870	42,300	78,310	161,600

CAL YR 1963 TOTAL 271,995 MEAN 608 MAX 1,450 MIN 380 CFSM .36 IN 4.83 AC-FT 440,300  
 WAT YR 1964 TOTAL 417,825 MEAN 1,142 MAX 3,770 MIN 380 CFSM .87 IN 9.09 AC-FT 828,700

Note --Shifting-control method used Oct 1 to Nov 20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,820	1,440	927	1,120	945	1,200	1,000	660	495	655	1,330	3,150
2	3,900	1,790	891	1,110	954	1,180	987	635	475	675	1,680	3,130
3	3,940	1,730	876	1,100	945	1,180	966	615	478	692	1,880	3,090
4	3,970	1,690	906	1,080	924	1,240	942	610	485	680	2,060	3,050
5	3,950	1,650	1,070	1,090	906	1,230	915	618	478	675	2,140	3,010
6	3,900	1,510	1,210	1,100	977	1,220	900	605	452	662	2,140	2,960
7	3,840	1,550	1,260	1,090	969	1,210	888	590	448	660	2,190	2,900
8	3,780	1,510	1,290	1,080	1,010	1,190	870	588	495	655	2,260	2,830
9	3,740	1,460	1,296	1,070	1,040	1,160	861	580	558	658	2,300	2,770
10	3,690	1,430	1,290	1,050	1,040	1,140	840	582	580	682	2,300	2,730
11	3,620	1,400	1,270	1,040	1,030	1,120	822	570	668	698	2,340	2,670
12	3,540	1,360	1,250	1,020	1,010	1,110	804	552	708	702	2,480	2,610
13	3,460	1,310	1,220	1,000	1,000	1,120	783	545	718	777	2,580	2,550
14	3,370	1,260	1,200	996	1,030	1,210	765	530	725	867	2,660	2,520
15	3,310	1,240	1,170	1,030	1,060	1,220	740	518	740	924	2,780	2,540
16	3,220	1,210	1,150	1,060	1,050	1,210	740	512	745	951	2,890	2,460
17	3,120	1,180	1,130	1,040	1,050	1,210	718	515	730	1,020	2,960	2,410
18	3,030	1,140	1,110	1,040	1,040	1,210	690	512	742	1,140	2,990	2,410
19	2,950	1,100	1,090	1,020	1,020	1,190	672	508	771	1,180	3,020	2,400
20	2,850	1,080	1,060	1,010	1,000	1,200	676	502	745	1,170	3,030	2,360
21	2,740	1,050	1,060	1,000	984	1,190	682	495	730	1,150	3,030	2,310
22	2,660	1,030	1,040	990	963	1,180	745	482	705	1,100	3,030	2,240
23	2,570	1,010	1,030	981	990	1,170	745	478	692	1,070	3,050	2,170
24	2,460	1,010	1,010	1,000	1,100	1,160	725	480	675	1,040	3,090	2,170
25	2,370	1,000	1,000	1,040	1,180	1,140	720	485	685	1,010	3,100	2,100
26	2,280	996	993	1,050	1,220	1,120	732	492	675	1,000	3,100	2,100
27	2,200	981	1,090	1,040	1,220	1,100	748	495	720	987	3,100	2,150
28	2,120	969	1,160	1,010	1,220	1,080	732	482	700	975	3,120	2,230
29	2,030	969	1,160	990	-----	1,060	705	480	680	969	3,130	2,270
30	1,960	966	1,160	975	-----	1,040	680	482	662	1,030	3,150	2,270
31	1,900	-----	1,140	963	-----	1,030	-----	492	-----	1,120	3,160	-----
TOTAL	96,290	38,547	34,523	32,185	28,797	36,020	23,795	16,710	19,160	27,574	82,080	76,560
MEAN	3,106	1,246	1,114	1,038	1,028	1,162	759	539	629	889	2,648	2,552
MAX	3,970	1,840	1,290	1,120	1,220	1,240	1,000	660	771	1,180	3,060	3,150
MIN	1,900	966	876	963	897	1,030	672	478	448	655	1,330	2,100
CFSM	1.82	.75	.65	.61	.60	.68	.46	.32	.37	.52	1.55	1.49
IN	2.09	.84	.75	.70	.63	.78	.52	.36	.42	.60	1.79	1.67
AC-FT	191,000	76,420	68,480	63,840	57,120	71,440	47,200	33,140	38,000	54,690	162,800	151,900

CAL YR 1964 TOTAL 534,235 MEAN 1,474 MAX 3,970 MIN 456 CFSM .86 IN 11.73 AC-FT 1,070,000  
 WAT YR 1965 TOTAL 512,221 MEAN 1,403 MAX 3,970 MIN 448 CFSM .82 IN 11.14 AC-FT 1,016,000

## WITHLACOOCHEE RIVER BASIN

2-3131 Rainbow Springs near Dunnellon, Fla

Location (revised) --Lat 29°06'08", long 82°26'16", in SE $\frac{1}{4}$  sec 12, T 18 S, R 18 E, at head of springs, 3.9 miles north of Dunnellon, Marion County, and 5.6 miles upstream from mouth

Records available (revised) --1898, 1904, 1907, 1917, 1929-30 (one discharge measurement each year), February 1931 to November 1964 (discharge measurements only), December 1964 to September 1965 Prior to October 1940, published as Blue Springs near Dunnellon

Gage (corrected) --Since Oct 8, 1930, staff gage read only when discharge measurements are made. Datum of gage is 28.34 ft above mean sea level (Corps of Engineers bench mark). Prior to Nov 19, 1948, at datum 1.63 ft higher. July 22, 1931, to Apr 1, 1933, water-stage recorder at same site at datum 1.63 ft higher.

Extremes --1964-65 Maximum daily discharge during period December 1964 to September 1965, 1,040 cfs Aug 29 to Sept 25, Sept 29, 30, minimum daily, 824 cfs Apr 15, 20, 21. 1931-65 Maximum discharge measured, 1,230 cfs Oct 12, 1964, maximum gage height observed, 5.90 ft Apr 5, 1960, minimum discharge measured, 487 cfs Oct 3, 1932, Apr 4, 1957, minimum gage height observed, 1.50 ft July 20, Sept 14, 1962

Remarks --Records good. Discharge measurements made at bridge on State Highway 484, 5 miles downstream from head of springs, surface inflow between springs and measuring site is negligible except after heavy rains. Discharge computed from relation between artesian pressure at Rainbow Springs well and discharge at measuring site. Records of artesian pressures are published in reports of Geological Survey entitled "Ground-Water Levels in the United States". Records of chemical analyses for the water years 1964-65 and of water temperatures for the water year 1965 are published in reports of the Geological Survey.

Discharge measurements in cubic feet per second, water years 1961-64

Nov 9, 1960	911	Nov 6, 1962	608
Jan 11, 1961	849	Jan 3, 1963	617
Mar 7	775	Feb 20	652
May 5	713	Apr 15	624
June 19	763	June 10	588
Aug 17	781	July 19	630
		Sept 4	697
Oct 5, 1961	850		
Nov 30	705	Oct 14, 1963	695
Jan 25, 1962	671	Nov 18	609
Apr 4	652	Jan 13, 1964	682
May 25	576	Mar 10	702
July 20	589	May 5	823
Sept 14	574	June 15	832
		Aug 17	1,020

DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			-	908	872	848	859	829	835	863	898	1,040
2			-	908	870	849	857	829	835	864	906	1,040
3			-	909	868	848	854	827	835	865	911	1,040
4			-	906	866	850	852	827	836	867	919	1,040
5			-	904	865	855	849	829	836	868	928	1,040
6			-	904	865	857	845	829	837	869	936	1,040
7			944	905	864	859	844	830	836	870	947	1,040
8			944	905	862	861	842	830	836	871	959	1,040
9			943	905	862	862	841	831	838	873	969	1,040
10			942	905	861	863	839	832	840	874	976	1,040
11			941	905	861	865	836	832	845	875	981	1,040
12	* 1 230		939	903	861	867	833	832	848	877	989	1,040
13			936	902	860	869	830	832	847	879	994	1,040
14			933	900	858	871	827	833	846	881	998	1,040
15			930	902	855	872	824	832	848	883	1,010	1,040
16			929	900	853	872	825	831	850	884	1,010	1,040
17			927	897	853	873	825	831	849	884	1,020	1,040
18			923	895	854	874	825	832	851	883	1,020	1,040
19			922	893	853	875	825	833	853	883	1,020	1,040
20			922	892	852	873	824	834	852	883	1,030	1,040
21			922	890	850	871	824	833	852	884	1,030	1,040
22			920	889	848	871	825	833	852	884	1,030	1,040
23			919	888	848	873	826	833	852	883	1,030	1,040
24			918	887	850	873	826	833	855	882	1,030	1,040
25			915	886	848	873	827	833	857	884	1,030	1,040
26			914	884	847	873	829	834	856	887	1,030	1,030
27			913	882	846	870	829	835	856	888	1,030	1,030
28			912	879	847	868	829	835	857	888	1,030	1,030
29			911	878	-----	865	828	835	859	889	1,040	1,040
30			910	879	-----	864	828	835	860	889	1,040	1,040
31			909	875	-----	862	-----	835	-----	892	1,040	-----
TOTAL			-	27,765	23,999	26,826	25,027	25,789	25,409	27,246	30,781	31,170
MEAN			-	896	857	865	834	832	847	879	993	1,039
MAX			-	909	872	875	859	835	860	892	1,040	1,040
MIN			-	875	846	848	824	827	835	863	898	1,030
AC-FT			-	55,070	47,600	53,210	49,640	51,150	50,400	54,040	61,050	61,820

\* Result of discharge measurement

## 2-3137 Waccasassa River near Gulf Hammock, Fla

Location --Lat 29°12'14", long 82°46'09", in SW 1/4 sec 2, T 15 S, R 15 E, near right bank at abandoned railroad grade, 0.5 mile upstream from Otter Creek, 4 miles upstream from mouth, and 4 miles southwest of Gulf Hammock, Levy County

Drainage area --400 sq mi, approximately (including that of Otter Creek)

Records available --March 1963 to September 1965

Gage --Water-stage and deflection-meter recorder Datum of gage is 0.51 ft below mean sea level, datum of 1929

Extremes --1963 Maximum daily discharge during period March to September, 581 cfs Mar 11, maximum gage height, 4.01 ft Sept 28, maximum daily reverse flow, 14 cfs Sept 28, minimum gage height, -2.15 ft Mar 22  
 1963-64 Maximum discharge during water year, 12,200 cfs Sept 12, 1964 (gage height, 6.96 ft), maximum daily reverse flow, 1,420 cfs Sept 10, 1964, minimum gage height, -2.60 ft Mar 22  
 1964-65 Maximum daily discharge during water year, 4,290 cfs Aug 3, maximum gage height, 4.27 ft Oct 5, Sept 9, minimum daily discharge, 20 cfs Nov 19, minimum gage height, -2.67 ft Sept 9  
 1963-65 Maximum discharge, 12,200 cfs Sept 12, 1964 (gage height, 6.96 ft), maximum daily reverse flow, 1,420 cfs Sept 10, 1964, minimum gage height, -2.67 ft Sept 9, 1965

Remarks --Records fair Flow affected by tide Discharge computed from continuous velocity record obtained from recording deflection meter Records include flow of Otter Creek Above bankfull stage, measurements are made along abandoned railroad fill and include all flow from about 1.5 miles northwest to 0.8 mile northeast of gaging station Records of chemical analyses for the water years 1964-65 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						-	146	209	155	172	180	150
2						-	114	172	121	179	150	106
3						-	156	164	145	123	163	91
4						-	182	196	106	95	92	87
5						-	141	139	100	67	55	76
6						-	100	99	78	90	34	71
7						-	100	92	86	68	91	91
8						-	100	79	77	55	87	86
9						347	62	43	25	-6.0	82	96
10						511	62	64	98	155	96	113
11						581	62	59	67	134	168	142
12						539	74	101	110	147	183	187
13						550	74	98	87	121	156	115
14						446	74	118	100	89	180	94
15						377	100	129	50	106	189	111
16						311	100	118	59	101	166	144
17						339	100	84	99	115	101	109
18						268	74	76	147	110	102	96
19						217	74	81	101	63	74	110
20						295	74	57	47	37	110	126
21						240	49	84	40	28	74	39
22						187	49	71	38	43	82	110
23						188	49	46	123	126	118	203
24						139	57	73	151	182	91	172
25						126	38	41	142	163	115	166
26						72	41	63	118	159	135	164
27						92	40	86	152	210	168	147
28						86	68	109	136	175	187	-14
29						129	137	189	173	155	184	184
30						146	184	157	168	189	127	314
31						134	-----	156	-----	172	169	-----
TOTAL						-	2,680	3,253	3,099	3,623.0	3,884	3,686
MEAN						-	89.3	105	103	117	125	123
MAX						-	184	209	173	210	189	314
MIN						-	38	41	25	-6.0	34	-14
AC-FT						-	5,320	6,450	6,150	7,190	7,700	7,310



## COASTAL BASINS BETWEEN WITHLACHOOCHIEE RIVER AND SUWANNEE RIVER

2-3137 Waccasassa River near Gulf Hammock, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	209	126	147	200	1,080	883	336	1,670	74	212	1,750	478
2	248	126	24	155	775	694	277	1,450	145	129	1,340	455
3	347	126	237	160	671	841	303	1,320	108	129	1,010	429
4	147	100	96	155	573	560	277	1,360	89	101	932	366
5	115	100	222	184	394	661	226	1,000	49	192	848	331
6	168	100	191	188	921	519	229	829	92	173	835	335
7	169	100	169	214	864	437	218	630	101	123	765	362
8	147	100	149	205	1,250	359	163	515	73	60	682	344
9	175	113	180	204	1,470	298	314	442	58	40	552	288
10	229	113	160	220	1,450	432	187	363	40	35	668	-1,420
11	179	113	77	161	1,290	362	175	279	29	92	1,180	5,950
12	135	113	72	323	461	356	136	224	39	252	1,270	11,400
13	163	113	115	310	385	310	129	145	67	598	1,330	10,700
14	179	100	184	416	659	288	129	240	87	772	1,290	9,390
15	175	100	173	371	517	244	131	214	64	561	1,400	7,100
16	163	100	169	313	584	311	110	234	116	405	1,220	4,780
17	154	100	179	395	698	293	116	114	100	346	921	3,540
18	159	100	163	474	370	288	160	184	92	621	1,180	2,770
19	155	74	204	448	533	238	129	141	144	906	1,470	2,180
20	161	113	187	384	553	403	130	147	125	889	1,680	1,810
21	64	120	205	356	453	550	99	191	110	714	1,750	1,510
22	102	131	184	313	401	422	120	160	87	535	1,630	1,380
23	183	166	180	323	348	324	94	121	83	466	1,540	1,050
24	108	192	216	386	320	352	99	86	141	442	1,310	1,000
25	59	137	196	514	241	275	79	89	76	466	1,170	945
26	64	101	91	469	393	264	115	96	111	1,530	1,090	811
27	118	27	136	505	382	352	72	58	74	6,500	867	6,980
28	55	-712	83	736	349	374	604	52	41	7,090	732	639
29	404	367	40	1,160	367	367	1,420	18	104	5,350	574	492
30	146	600	168	1,440	371	1,700	166	160	160	3,920	546	546
31	126	-----	69	1,200	-----	315	-----	144	-----	2,590	480	-----
TOTAL	4,733	3,239	4,694	13,115	20,777	12,728	8,085	13,260	2,679	36,229	33,894	70,658
MEAN	151	108	151	423	699	411	270	270	89.3	1,169	1,093	2,355
MAX	347	367	237	1,420	1,470	884	1,700	1,820	160	7,090	1,750	11,400
MIN	55	-712	22	15	241	238	77	18	29	35	618	-1,420
AC-FT	9,340	6,420	9,310	26,010	40,220	25,250	16,040	26,300	5,310	71,860	67,210	140,100
CAL YR 1963	TOTAL 225,583			MEAN 611		MAX 11,400	MIN -1,420	AC-FT 443,500				
WAT YR 1964	TOTAL 225,583			MEAN 611		MAX 11,400	MIN -1,420	AC-FT 443,500				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	512	268	190	1,080	423	1,190	451	179	47	433	2,260	939
2	444	412	130	1,400	332	1,700	385	168	60	596	3,490	1,040
3	421	163	130	1,300	454	1,360	346	92	60	594	4,290	962
4	161	186	150	1,400	432	1,350	326	118	146	773	3,640	819
5	514	166	600	1,700	427	1,500	335	84	129	553	3,050	734
6	757	134	700	900	354	1,770	284	120	74	542	2,550	676
7	531	111	600	800	698	1,600	342	173	24	493	2,170	112
8	531	145	503	800	343	1,560	307	170	84	584	2,000	442
9	512	188	454	768	395	1,340	307	137	139	650	1,730	60
10	505	217	419	661	467	1,140	336	95	152	613	1,610	888
11	477	226	386	795	739	1,000	151	105	105	635	1,560	525
12	418	220	356	605	549	829	250	123	168	416	1,530	381
13	427	209	354	574	805	901	255	144	290	853	1,550	339
14	384	222	462	587	1,120	848	288	94	290	621	1,500	323
15	353	174	356	408	1,370	854	77	72	130	753	1,480	327
16	421	155	268	943	1,410	766	213	79	420	904	1,480	460
17	447	105	248	598	1,420	606	224	58	590	838	1,500	668
18	418	84	377	523	1,450	611	164	62	590	757	1,450	664
19	327	20	310	567	1,310	632	129	72	610	853	1,350	696
20	389	155	290	464	1,130	632	160	100	960	869	1,280	844
21	298	200	290	493	873	546	244	100	500	877	1,110	839
22	246	190	280	477	929	547	265	100	470	931	1,040	776
23	231	120	250	338	909	538	226	90	350	1,040	1,080	775
24	226	60	180	475	692	531	166	112	410	1,050	1,260	776
25	246	60	233	493	1,370	486	210	87	460	896	936	1,140
26	261	190	172	482	1,630	453	159	39	410	867	959	1,330
27	272	170	589	514	1,510	474	172	130	440	423	1,290	1,310
28	244	140	824	360	1,400	451	299	110	442	403	676	1,560
29	213	170	1,900	392	-----	475	301	111	563	416	876	1,900
30	244	150	1,690	265	-----	436	228	159	429	1,180	1,080	2,590
31	271	-----	1,740	694	-----	451	-----	91	-----	1,560	972	-----
TOTAL	11,668	4,810	15,031	21,906	26,979	27,027	7,690	3,454	9,102	22,918	53,448	25,395
MEAN	377	164	485	707	872	872	256	111	303	739	1,724	847
MAX	757	268	1,740	1,680	1,720	1,720	451	179	610	1,560	4,290	2,590
MIN	161	20	130	265	358	436	77	39	24	403	876	60
AC-FT	23,180	9,540	29,810	43,450	53,510	53,610	15,250	6,850	18,050	45,460	106,000	50,370
CAL YR 1964	TOTAL 242,446			MEAN 662		MAX 11,400	MIN -1,420	AC-FT 480,900				
WAT YR 1965	TOTAL 229,448			MEAN 629		MAX 4,290	MIN 20	AC-FT 455,100				

2-3142 Tenmile Creek at Lebanon Station, Fla

Location --Lat 29°09'39" long 82°38'21" in SE $\frac{1}{4}$  sec 24, T 15 S, R 16 E, near center of span on downstream side of bridge on U S Highways 19 and 98, just downstream from North Prong Tenmile Creek, 0.2 mile south of Lebanon Station, Levy County, and 13 miles northwest of Dunnellon

Drainage area --26 sq mi, approximately (34 sq mi, approximately, including Horse Hole Creek)

Records available --October 1963 to September 1965

Gage --Digital water-stage recorder Datum of gage is 15.00 ft above mean sea level, datum of 1929 Prior to Aug 20, 1965, graphic water-stage recorder at present site and datum

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (300 cfs), water years 1964-65

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Feb 8, 1964	1430	327	8.59	Aug 7, 1964	0530	501	9.09	Aug 2, 1965	0200	* 1,440	10.65
Apr 29, 1964	0500	339	8.63	Aug 19, 1964	1900	1,370	10.57	Aug 16, 1965	1930	423	8.88
July 26, 1964	1800	3,710	12.16	Sept 11, 1964	0900	* 4,290	12.38	Sept 28, 1965	1800	1,020	10.11
Aug 3, 1964	0530	730	9.60								

Annual minimum discharge, water years 1964-65

Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1964	Many days	0	a 3.21	1965	Many days	b 0.10	c 3.41

a Occurred June 18, 1964

b Minimum daily

c Occurred June 3, 1965

1963-65 Maximum discharge, 4,290 cfs Sept 11, 1964 (gage height, 12.38 ft), no flow for many days in 1964, minimum gage height, 3.21 ft June 18, 1964

Remarks --Records fair Records do not include considerable amount of water diverted naturally above station through Horse Hole Creek (drainage area 8.1 sq mi, approximately), in E $\frac{1}{4}$  sec 36, T 15 S, R 16 E, at bridge on U.S. Highways 19 and 98, 1.9 miles south of Tenmile Creek station, Tenmile Creek and Horse Hole Creek drainage basins are interconnected above station

Discharge measurements, in cubic feet per second, of Horse Hole Creek near Lebanon Station, for water years 1964-65 are given in table below

Sept 30, 1963	0	July 14, 1964	a 0.04	Jan 14, 1965	0.11
Oct 14	0	July 27	575	Mar 5	18
Nov 18	0	July 29	106	Apr 16	0.1
Jan 13, 1964	a 15	Aug 17	29.9	May 24	0
Mar 10	5.13	Sept 11	1,270	July 16	0.02
Apr 24	0	Oct 1	50	Aug 18	23.1
Apr 29	a 7.5	Nov 10	05	Sept 16	3.56
June 5	0	Dec 7	40		

a Field estimate

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.0	0	.20	.70	73	204	78	206	0	.40	451	81
2	5.0	.10	.20	2.3	58	168	63	214	0	.60	599	70
3	4.0	0	.20	3.3	46	132	51	202	0	7.2	653	60
4	3.0	0	.20	3.7	42	105	40	162	0	5.7	440	54
5	2.5	.10	.10	4.1	47	84	31	125	0	3.2	324	87
6	2.0	.10	.10	4.2	101	69	23	90	0	2.8	290	160
7	1.5	.10	.10	4.7	106	57	17	87	0	1.6	458	141
8	1.0	.10	.10	5.9	292	47	13	90	0	1.0	381	113
9	.60	.10	.20	7.0	268	40	11	36	0	.70	295	87
10	.40	.30	.20	11	208	33	8.5	26	0	.80	265	323
11	.30	.20	.20	12	164	28	7.0	18	0	1.1	270	3,440
12	.20	.20	.20	34	123	27	5.7	13	0	4.4	280	2,730
13	.10	.10	.30	62	92	34	4.3	9.7	0	50	278	2,200
14	.10	.10	.20	76	76	30	3.5	9.4	0	46	260	1,120
15	.20	.10	.20	74	65	26	2.8	7.1	0	30	218	676
16	.20	.10	.20	60	63	22	2.2	5.4	0	19	190	545
17	.10	.10	.20	71	55	23	1.5	4.0	0	35	170	384
18	.10	.10	.20	82	59	21	1.0	2.7	0	210	267	295
19	.10	.10	.20	78	78	18	.70	2.2	0	142	856	242
20	.10	.10	.20	75	66	48	.50	1.5	.10	75	878	206
21	.10	.10	.10	66	57	73	.40	1.0	0	45	509	178
22	0	.10	.10	55	51	69	.20	.40	0	32	402	152
23	0	.10	.20	50	47	63	.20	.40	0	26	354	132
24	0	.10	.30	49	41	54	.20	.20	0	37	278	112
25	.10	0	.30	43	38	43	.20	.20	0	296	234	95
26	.10	.10	.30	43	37	42	.20	.10	0	2,260	206	80
27	0	.20	.30	45	48	63	.20	.10	0	2,200	183	71
28	0	.20	.30	117	248	96	.91	.10	0	1,050	160	65
29	0	.40	.50	130	240	149	306	0	0	612	141	56
30	0	.20	.50	115	125	125	236	0	.40	412	119	48
31	0	-----	.60	94	-----	99	-----	0	-----	360	99	-----
TOTAL	28.80	3.70	7.20	1,477.90	2,889	2,092	999.30	1,253.70	0.50	7,966.50	10,508	14,003
MEAN	.93	.12	.23	47.7	99.6	67.5	33.3	40.4	.017	257	339	467
MAX	7.0	.40	.60	130	292	204	306	214	.40	2,260	878	3,440
MIN	0	0	.10	.70	.47	.18	.20	0	0	.40	.99	.48
AC-FT	57	7.3	14	2,930	5,730	4,150	1,980	2,490	1.0	15,800	20,840	27,770

CAL YR 1963 TOTAL 41,229.60 MEAN MEAN 113 MAX MAX 3,440 MIN MIN 0 AC-FT AC-FT 81,780

## 2-3142 Tenmile Creek at Lebanon Station, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	41	7.3	4.3	18	11	59	9.0	.60	.10	18	867	41
2	37	7.2	4.1	16	11	53	7.7	.50	.10	13	1,200	43
3	34	7.0	4.0	15	11	43	6.8	.40	.10	12	730	102
4	32	7.1	4.5	17	11	201	6.0	.30	.10	13	525	78
5	42	6.9	56	15	10	186	5.1	.30	.20	10	378	54
6	46	6.6	97	13	9.9	153	4.4	.30	.20	8.0	306	38
7	42	6.3	71	12	54	127	3.8	.20	.20	7.1	250	27
8	38	6.0	52	11	71	102	3.2	.20	.40	6.5	238	18
9	36	5.8	41	10	46	80	2.8	.20	.80	5.8	226	13
10	31	5.7	34	9.9	37	65	2.5	.20	.90	5.1	198	12
11	28	5.5	28	9.4	29	54	2.3	.20	8.8	4.7	162	12
12	26	5.3	23	9.0	23	49	2.0	.20	20	4.6	156	11
13	23	5.0	20	8.5	26	45	1.7	.10	52	5.3	177	9.3
14	26	4.8	18	8.5	79	77	1.4	.10	54	10	201	9.5
15	30	4.5	18	14	135	80	1.2	.10	54	19	246	46
16	32	4.3	14	20	101	75	1.0	.10	79	24	357	81
17	29	4.2	13	17	81	67	.80	.10	89	34	354	120
18	25	4.0	12	14	76	58	.70	.10	97	49	265	257
19	22	3.8	11	13	70	51	.60	.10	145	61	210	219
20	18	3.6	10	12	58	53	.50	.10	142	65	169	182
21	16	3.8	9.9	11	48	52	.40	.10	118	70	135	146
22	14	4.0	9.7	11	39	42	.60	.10	76	58	108	121
23	13	3.9	9.4	10	46	37	1.0	.10	49	44	88	107
24	12	3.9	9.1	12	126	32	.70	.10	31	33	94	194
25	11	4.9	8.8	18	124	27	1.6	.20	29	23	116	207
26	10	5.3	8.4	16	102	23	2.4	.20	25	18	87	189
27	9.6	5.0	17	15	82	19	1.5	.20	27	16	81	190
28	9.0	4.9	34	13	70	16	1.9	.10	34	15	74	812
29	8.5	5.0	29	12	-----	14	1.3	.10	28	20	62	740
30	8.1	4.8	24	11	-----	12	.80	.10	22	133	53	471
31	7.6	-----	20	11	-----	10	-----	.10	-----	448	44	-----
TOTAL	756.8	150.4	714.2	402.3	1,588.9	1,978	75.70	5.80	1,182.90	1,253.1	8,157	4,549.8
MEAN	24.4	5.21	23.0	13.0	56.7	63.8	2.52	.19	39.4	40.4	263	152
MAX	46	7.1	97	20	135	201	9.0	.60	145	448	1,200	812
MIN	7.0	3.6	4.0	8.5	9.9	10	.40	.10	.10	4.6	44	9.3
AC-FT	1,500	310	1,420	798	3,150	3,920	150	12	2,350	2,490	16,180	9,020
CAL YR 1964	TOTAL	42,817.30	MEAN	117	MAX	3,440	MIN	0	AC-FT	84,930		
WAT YR 1965	TOTAL	20,820.90	MEAN	57.0	MAX	1,200	MIN	.10	AC-FT	41,300		

CAL YR 1960.	TOTAL	516,284	MEAN	1,411	MAX	4,190	MIN	194	CFSM	1.12	IN	15.24
WAT YR 1961	TOTAL	489,520	MEAN	1,341	MAX	7,100	MIN	194	CFSM	1.06	IN	14.45

## 2-3145 Suwannee River at Fargo, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	685	111	126	99	288	281	2,370	1,020	67	152	416	369
2	650	107	123	122	281	485	3,780	905	71	140	440	346
3	615	101	118	120	268	860	4,270	830	67	130	428	452
4	570	92	115	118	262	966	4,520	745	63	121	650	489
5	528	92	111	118	255	994	4,520	685	58	115	810	502
6	489	92	108	170	212	987	4,520	615	56	111	745	489
7	464	90	107	333	212	959	4,410	556	58	130	585	464
8	428	88	106	300	212	921	4,410	502	64	158	476	440
9	404	85	99	358	188	879	4,410	452	55	182	416	416
10	380	79	96	358	176	827	4,410	392	58	170	380	404
11	346	78	95	369	194	778	4,300	358	61	128	358	428
12	333	75	91	392	194	719	3,950	314	75	128	320	464
13	300	74	100	416	194	703	3,710	294	82	134	294	489
14	294	73	121	404	158	677	3,440	274	88	140	268	528
15	281	71	114	404	138	705	3,120	248	94	152	248	556
16	268	69	108	404	152	911	2,960	230	95	176	230	585
17	268	68	107	404	146	1,000	2,960	210	96	176	236	615
18	236	64	107	380	138	1,060	2,460	194	94	170	288	630
19	224	63	109	369	188	1,070	2,370	176	90	194	255	705
20	212	61	109	358	346	1,100	2,120	164	85	248	206	765
21	188	59	104	346	262	1,080	2,040	146	88	268	176	810
22	182	57	100	333	206	1,020	1,900	95	96	294	176	830
23	170	75	98	320	262	994	1,830	68	109	369	358	855
24	164	142	97	314	314	1,000	1,710	68	108	392	464	855
25	152	150	96	300	346	1,020	1,650	68	99	392	515	855
26	146	144	91	294	358	1,020	1,600	63	92	392	570	830
27	140	139	91	281	358	998	1,450	61	88	380	585	810
28	133	138	92	288	358	959	1,410	54	122	358	570	765
29	127	136	98	300	-----	912	1,250	62	176	333	515	745
30	122	132	98	294	-----	862	1,110	68	164	369	464	705
31	116	-----	90	288	-----	854	-----	65	-----	369	404	-----
TOTAL	9,595	2,313	3,221	9,422	6,666	27,601	88,640	9,978	2,619	6,948	12,846	18,196
MEAN	310	93.8	104	304	233	890	2,955	322	87.3	224	414	607
MAX	685	158	126	416	358	1,100	4,520	1,020	176	392	810	855
MIN	116	57	90	99	138	261	1,110	54	55	111	176	346
CFSM	225	.07	.08	24	.19	.71	2.34	.26	.07	.18	.33	.48
IN.	.28	.08	.10	.28	.20	.81	2.62	.29	.08	.21	.38	.54
CAL YR 1961	TOTAL	341,693	MEAN	1,073	MAX	7,100	MIN	57	CFSM	.85	IN	11.56
WAT YR 1962	TOTAL	196,545	MEAN	544	MAX	4,520	MIN	54	CFSM	.43	IN	5.66

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	665	146	170	255	600	3,610	1,410	200	136	380	333	108
2	630	140	212	255	615	3,710	1,350	212	122	392	281	107
3	600	133	218	248	650	3,830	1,280	194	110	392	230	102
4	570	128	218	242	725	3,830	1,290	176	97	358	188	98
5	528	123	224	236	810	3,830	1,180	164	85	320	152	95
6	502	117	236	236	1,050	3,830	1,050	158	80	294	127	94
7	476	111	255	255	1,410	3,830	990	146	80	274	106	89
8	452	107	255	274	1,720	3,710	905	136	79	404	91	86
9	440	109	255	274	1,810	3,610	855	126	84	464	82	82
10	440	116	262	262	1,860	3,440	810	115	98	428	98	77
11	428	111	255	255	1,880	3,100	765	104	94	369	128	71
12	416	106	255	307	2,100	2,950	725	95	88	320	152	66
13	392	108	255	464	2,110	2,790	685	89	80	281	136	62
14	380	118	255	556	2,170	2,700	650	87	69	248	123	57
15	358	111	248	570	2,200	2,660	600	85	57	242	121	52
16	346	103	242	556	2,200	2,540	556	81	48	392	118	50
17	333	100	242	542	2,160	2,520	515	73	47	392	170	47
18	307	97	236	542	2,120	2,460	476	65	76	464	188	44
19	294	95	236	542	2,130	2,410	440	88	121	515	158	40
20	268	90	230	528	2,380	2,340	404	118	120	515	130	38
21	248	88	224	528	2,420	2,260	380	106	103	745	164	36
22	236	96	218	528	2,420	2,200	358	106	108	935	230	34
23	224	115	218	528	2,360	2,110	333	110	128	1,020	218	32
24	212	104	212	515	2,320	2,020	294	158	164	880	188	29
25	200	98	206	502	3,200	1,930	268	164	230	685	170	26
26	188	94	200	502	3,440	1,830	248	158	294	542	158	23
27	176	91	212	515	3,610	1,770	230	152	369	489	141	22
28	164	88	236	542	3,610	1,700	212	146	392	570	128	22
29	158	92	242	556	-----	1,630	194	152	369	489	116	64
30	152	123	248	570	-----	1,540	176	158	358	416	107	152
31	152	-----	262	585	-----	1,480	-----	152	-----	369	106	-----
TOTAL	10,935	3,258	7,237	13,270	56,380	84,170	19,629	4,074	4,286	14,586	4,833	1,905
MEAN	353	109	233	428	2,014	2,715	630	131	143	470	156	63.5
MAX	665	146	262	585	3,610	3,830	1,410	212	392	1,020	333	152
MIN	152	68	170	236	600	1,480	176	65	47	242	82	22
CFSM	.28	.09	.19	.34	1.60	2.15	.52	.10	.11	.37	.12	.05
IN.	.32	.10	.21	.39	1.66	2.48	.58	.12	.13	.43	.14	.06
CAL YR 1962	TOTAL	204,346	MEAN	560	MAX	4,520	MIN	54	CFSM	.44	IN	6.03
WAT YR 1963	TOTAL	224,561	MEAN	615	MAX	3,830	MIN	22	CFSM	.49	IN	6.63

2-3145 Suwannee River at Fargo, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	164	12	33	224	3,830	4,630	1,830	1,380	685	170	5,070	3,710
2	158	13	30	218	3,610	4,850	1,770	1,690	650	170	5,070	3,610
3	158	14	29	212	3,440	5,070	1,710	1,530	585	218	5,180	3,520
4	152	13	26	206	3,280	5,180	1,650	3,020	542	281	5,180	3,360
5	146	13	26	206	3,120	5,290	1,590	3,280	489	314	5,290	3,280
6	140	18	25	218	3,040	5,290	1,450	3,710	440	333	5,180	3,200
7	134	25	23	230	2,960	5,180	1,330	4,190	428	314	5,290	3,120
8	127	24	24	464	2,960	5,070	1,250	4,300	452	288	5,600	2,960
9	116	22	24	600	2,960	4,960	1,220	4,300	428	262	5,700	2,880
10	108	22	25	800	2,880	4,740	1,180	4,190	404	242	5,700	2,880
11	99	22	24	950	2,560	4,630	1,150	3,950	369	242	5,600	3,040
12	70	22	25	1,250	2,450	4,410	1,050	3,610	333	314	5,600	5,290
13	61	20	29	2,000	2,350	4,190	1,020	3,360	307	404	5,600	8,140
14	74	18	164	2,400	2,220	3,950	990	3,040	281	464	5,900	9,040
15	66	16	230	2,700	2,090	3,710	935	2,800	248	502	5,390	9,580
16	61	14	248	3,000	2,020	3,610	905	2,550	224	515	5,100	9,760
17	54	12	242	3,710	1,930	3,440	855	2,370	218	542	4,750	9,940
18	48	12	236	4,300	2,000	3,360	855	2,120	182	705	4,450	9,850
19	42	11	236	4,630	2,460	3,200	810	1,970	170	1,050	4,170	9,760
20	38	11	230	4,960	2,720	3,120	745	1,900	164	1,500	4,450	9,580
21	36	10	224	5,070	2,800	2,960	705	1,770	164	1,770	4,960	9,310
22	32	7	224	5,180	2,880	2,800	650	1,650	144	1,970	4,960	8,950
23	30	8.4	218	5,180	2,880	2,720	600	1,550	123	2,190	4,960	8,680
24	26	9.3	224	5,070	2,880	2,550	556	1,450	107	2,370	4,960	8,320
25	24	13	224	5,070	2,800	2,460	502	1,370	106	2,500	4,850	7,960
26	22	15	218	4,850	2,400	2,280	476	1,290	115	3,040	4,630	7,600
27	20	14	218	4,740	2,380	2,200	464	1,180	128	3,520	4,410	7,300
28	13	13	212	4,630	3,440	2,120	665	1,070	132	4,070	4,300	6,900
29	16	19	206	4,410	4,190	2,040	1,000	905	194	4,520	4,190	6,500
30	14	30	200	4,300	-----	1,970	1,240	810	188	4,740	3,950	6,100
31	13	-----	200	4,070	-----	1,900	-----	745	-----	4,960	3,830	-----
TOTAL	2,407	474.8	4,329	85,848	82,440	114,880	31,143	74,000	9,032	44,453	153,870	194,120
MEAN	74.4	15.3	140	2,769	2,842	3,674	1,038	2,387	301	1,434	4,964	6,471
MAX	164	30	248	5,180	4,190	5,290	1,830	4,300	685	4,960	5,700	9,940
MIN	13	4.4	24	206	1,930	1,900	464	745	106	170	3,830	2,880
CFSM	.06	-----	.11	2.20	2.26	2.92	.87	1.89	.24	1.16	3.96	5.16
IN.	.07	.01	.13	2.53	2.43	3.36	.92	2.18	.27	1.31	4.54	5.73
CAL YR 1963	TOTAL	210,241.3	MEAN	576	MAX	3,830	MIN	8.4	CFSM	.46	IN	6.21
WAT YR 1964	TOTAL	795,686.3	MEAN	2,175	MAX	9,940	MIN	8.4	CFSM	1.73	IN	23.49

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT
1	5,800	3,610	935	2,670	1,170	2,960	4,850	1,670	194	1,180	542	739
2	5,900	3,420	880	2,670	1,170	2,960	4,850	1,670	194	1,180	542	663
3	5,160	3,460	580	2,680	1,500	4,070	4,850	1,540	158	1,120	502	679
4	4,960	3,240	935	2,670	1,500	4,960	4,740	1,510	142	1,060	476	643
5	4,740	3,120	1,150	2,630	1,500	5,400	4,740	1,460	170	1,000	464	591
6	4,520	2,760	1,690	2,560	1,500	5,700	4,630	1,410	176	972	542	556
7	4,300	2,790	1,690	2,510	1,620	5,700	4,520	1,350	152	965	665	529
8	3,990	2,430	1,950	2,460	1,770	5,700	4,300	1,300	136	955	745	508
9	3,710	2,330	2,270	2,370	1,900	5,700	4,070	1,230	170	935	765	492
10	3,440	2,220	2,340	2,320	1,900	5,000	3,950	1,160	212	888	725	489
11	3,280	2,040	2,740	2,260	1,830	5,400	3,710	1,090	300	855	650	489
12	3,120	1,960	2,910	2,200	1,830	5,180	3,520	1,050	355	880	855	467
13	2,880	1,800	2,960	2,080	1,900	5,070	3,360	960	353	960	1,110	445
14	2,860	1,750	3,000	2,030	2,040	4,850	2,900	880	311	990	1,290	426
15	2,860	1,670	3,040	1,940	2,370	4,630	2,690	830	365	1,110	1,600	407
16	3,200	1,580	3,030	1,480	2,350	4,520	2,530	765	503	1,180	2,120	386
17	3,520	1,520	2,940	1,790	2,550	4,190	2,420	705	827	1,050	2,280	375
18	3,830	1,440	2,910	1,720	2,640	3,950	2,260	650	1,290	968	2,280	370
19	4,190	1,380	2,840	1,660	2,640	4,070	2,160	585	1,500	894	2,120	352
20	4,410	1,370	2,740	1,590	2,720	4,300	2,120	542	1,450	845	1,900	335
21	4,520	1,170	2,660	1,530	2,720	4,630	2,060	492	1,330	842	1,570	375
22	4,630	1,130	2,570	1,480	2,720	4,740	1,960	453	1,180	860	1,460	314
23	4,740	1,250	2,680	1,410	2,640	4,850	1,860	419	1,150	835	1,410	307
24	4,740	1,220	2,380	1,420	2,720	4,850	1,760	387	1,150	730	1,380	314
25	4,630	1,150	2,300	1,440	2,800	4,740	1,680	359	1,410	612	1,330	314
26	4,520	1,110	2,260	1,500	2,900	4,740	1,640	320	1,830	528	1,760	294
27	4,410	1,080	2,460	1,450	3,040	4,740	1,680	294	1,650	475	1,180	274
28	4,300	1,050	2,710	1,450	3,040	4,740	1,790	274	1,550	464	1,150	346
29	4,190	1,020	2,760	1,370	-----	4,850	1,790	274	1,420	440	1,080	440
30	3,990	.990	2,760	1,330	-----	4,850	1,730	248	1,280	515	960	489
31	3,830	-----	2,690	1,330	-----	4,960	-----	218	-----	542	830	-----
TOTAL	128,670	57,400	71,845	60,410	61,710	147,840	91,120	26,025	22,890	26,830	35,783	13,358
MAX	4,151	1,313	2,318	1,949	2,204	4,769	3,037	840	763	865	1,154	445
MIN	2,800	990	880	1,330	1,370	2,960	1,640	1,830	1,180	2,280	739	314
CFSM	3.29	1.52	1.84	1.35	1.75	3.78	2.41	.67	.61	.69	.92	.35
IN.	3.80	1.69	2.12	1.78	1.82	4.36	2.69	.77	.68	.79	1.06	.39
CAL YR 1964	TOTAL	1,046,691	MEAN	2,860	MAX	9,940	MIN	106	CFSM	2.27	IN	30.89
WAT YR 1965	TOTAL	743,881	MEAN	2,038	MAX	5,800	MIN	136	CFSM	1.62	IN	21.96

## 2-3155 Suwannee River at White Springs, Fla

Location --Lat 30°19'32", long 82°44'18", in SW 1/4 sec 8, T 2 S, R 16 E, on left bank at downstream side of bridge on U S Highway 41, 1 mile southeast of White Springs, Hamilton County

Drainage area --About 2,390 sq mi (revised), (includes part of watershed in Okefenokee Swamp which is indeterminate)

Records available --May 1906 to December 1908, February 1927 to September 1965

Gage --Digital water-stage recorder Datum of gage is 48 54 ft above mean sea level (Corps of Engineers bench mark) May 28, 1906, to Dec 31, 1908 chain gage and Feb 8, 1927, to July 31, 1932, staff gage, at site 1 mile downstream at same datum Aug 1, 1932, to Sept 30, 1963, graphic water-stage recorder at present site and datum

Average discharge --40 years, 1,807 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 30, 1961	7,930	25 03	Dec 15, 1960	278	3 18
1962	Apr 10, 1962	9,850	28 65	May 30, 1962	90	2 00
1963	Mar 4, 1963	6,100	20 21	Sept 26, 27, 1963	a 47	b 1 67
1964	Sept 17, 1964	23,300	35 82	Nov 22, 23, 1963	a 38	c 1 56
1965	Mar 11, 1965	d 11,000	e 30 81	June 6, 1965	176	2 68

a Minimum daily charge during year, 12,600 cfs Oct 1, 1964, stage falling b Occurred Sept 27, 1963 c Nov 4, 5, 22, 23, 1963 d Maximum peak discharge during year, 12,600 cfs Oct 1, 1964, stage falling e Occurred Oct 1, 1964

1906-08, 1927-65 Maximum discharge, 28,500 cfs Apr 5, 6, 1948, maximum gage height, 36 65 ft  
Apr 5, 1948, minimum discharge, 4 8 cfs Nov 15, 1931, minimum gage height, 1 05 ft June 24-26, 1955

Remarks --Records good

Revisions (water years) --WSP 1504 1906, 1908

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG	SEPT.
1	7,170	1,670	390	462	2,160	2,930	1,260	7,900	830	2,000	890	4,560
2	7,170	1,670	378	515	2,140	2,870	1,240	7,900	803	2,180	794	4,660
3	7,210	1,420	360	510	2,170	2,800	1,220	7,640	755	2,150	719	4,740
4	7,240	1,250	36	490	2,240	2,720	1,210	7,390	699	1,900	658	4,940
5	7,230	1,200	326	465	2,220	2,610	1,200	7,080	635	1,610	591	4,910
6	5,180	1,140	313	445	2,180	2,500	1,210	6,770	575	1,480	535	4,960
7	5,290	1,110	308	430	2,290	2,390	1,240	6,330	522	1,390	495	5,000
8	5,760	1,120	299	428	2,920	2,280	1,280	5,910	480	1,290	470	5,020
9	6,210	777	290	435	3,190	2,160	1,310	5,400	445	1,180	470	5,000
10	6,180	752	286	432	3,270	2,020	1,360	4,850	420	1,120	676	4,970
11	6,010	763	286	428	3,360	1,920	1,340	4,130	395	1,230	1,490	4,910
12	5,660	791	284	415	3,410	1,800	1,660	3,490	375	1,370	1,500	4,830
13	5,740	743	282	425	3,440	1,690	2,320	2,990	355	1,360	1,240	4,930
14	5,620	731	280	463	3,400	1,560	2,210	2,420	341	1,340	992	4,730
15	5,490	684	290	1,600	3,110	1,480	2,270	2,070	360	1,280	815	4,580
16	5,340	650	345	1,750	3,180	1,400	2,700	1,300	452	1,220	693	4,410
17	7,160	621	365	1,800	3,020	1,350	3,170	1,590	624	1,170	602	4,180
18	4,940	599	395	1,800	2,850	1,310	3,700	1,430	1,010	1,090	525	3,930
19	4,700	570	382	1,760	2,660	1,260	4,250	1,290	1,030	1,040	475	3,650
20	4,450	535	368	1,750	2,490	1,250	4,780	1,170	827	1,240	498	3,460
21	4,150	520	392	1,730	2,330	1,240	5,270	1,060	776	1,680	502	3,040
22	3,830	495	430	1,700	2,190	1,240	5,680	944	1,060	1,900	500	2,740
23	3,530	480	430	1,650	2,200	1,230	6,040	839	1,270	1,940	535	2,450
24	3,240	470	428	1,620	2,700	1,230	6,440	761	1,260	1,900	1,180	2,190
25	2,960	465	415	1,610	2,840	1,240	6,850	722	1,110	1,750	2,630	1,950
26	2,700	455	405	1,620	2,890	1,290	7,220	693	956	1,550	3,200	1,760
27	2,480	452	395	1,710	2,920	1,330	7,520	860	911	1,560	3,500	1,580
28	2,270	445	385	1,770	2,440	1,340	7,750	914	1,050	1,440	3,580	1,470
29	2,120	430	378	1,880	-----	1,330	7,880	863	1,360	1,310	3,540	1,430
30	1,940	410	380	2,110	-----	1,300	7,920	860	1,680	1,180	3,810	1,310
31	1,780	-----	385	2,170	-----	1,270	-----	865	-----	1,020	4,260	-----
TOTAL	138,970	23,638	10,995	36,773	76,910	54,340	109,480	98,711	23,366	45,870	42,365	111,990
MEAN	4,483	788	355	1,186	2,747	1,753	3,649	3,184	779	1,480	1,367	3,733
MAX	6,210	1,670	430	2,170	3,440	2,930	7,920	7,900	1,680	2,180	4,260	5,020
MIN	1,780	410	280	415	2,140	1,200	693	341	1,020	470	1,310	1,180
CFSM	1.88	.33	.15	.50	1.15	.73	1.53	1.33	.33	.62	.57	1.56
IN.	2.16	.37	.17	.57	1.20	.85	1.70	1.54	.36	.71	.66	1.74

CAL YR 1960	TOTAL 910,268	MEAN 2,487	MAX 6,760	MIN 280	CFSM 1.04	IN 14.16
WAT YR 1961	TOTAL 773,408	MEAN 2,119	MAX 7,920	MIN 288	CFSM .89	IN 12.03

## 2-3155 Suwannee River at White Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,190	157	182	165	445	561	5,560	1,640	113	265	559	564
2	1,080	151	175	171	440	667	7,580	1,490	111	217	621	627
3	992	146	171	175	432	1,330	7,710	1,340	108	194	803	610
4	923	141	168	180	412	1,730	7,790	1,210	106	183	1,270	673
5	854	135	162	185	398	1,810	8,020	1,100	105	182	1,700	758
6	748	144	159	210	392	1,800	8,410	986	102	241	1,580	1,020
7	719	162	154	322	362	1,770	8,840	881	96	206	1,400	1,290
8	661	141	150	442	331	1,710	9,300	788	113	261	1,160	1,330
9	607	128	146	525	322	1,640	9,660	693	180	390	920	1,190
10	556	124	145	548	320	1,570	9,840	613	157	390	764	956
11	512	120	139	564	288	1,490	9,750	540	146	353	638	872
12	472	115	136	596	286	1,450	9,500	495	138	284	548	851
13	436	114	145	624	295	1,400	9,230	442	139	243	478	902
14	412	113	146	635	293	1,330	8,890	400	145	224	418	881
15	390	109	154	630	276	1,430	8,540	362	156	212	370	836
16	372	108	165	618	249	1,780	8,160	331	194	201	488	827
17	353	106	160	602	251	1,890	7,720	301	183	208	462	812
18	326	102	162	583	261	1,900	7,240	273	163	234	438	806
19	306	100	168	559	251	1,890	6,720	249	151	236	667	824
20	266	98	163	535	286	1,880	6,200	234	141	249	644	887
21	267	96	162	518	490	1,860	5,680	219	135	276	578	917
22	251	94	159	498	502	1,810	5,120	201	142	308	495	1,080
23	237	115	154	482	442	1,800	4,510	178	171	324	418	2,240
24	222	105	150	465	472	1,830	3,900	142	167	390	543	2,040
25	212	102	145	450	522	1,800	3,360	111	167	428	806	1,080
26	203	215	139	432	556	1,780	2,940	106	156	435	872	1,500
27	194	210	142	422	572	1,740	2,600	104	148	452	935	1,410
28	185	199	146	420	575	1,670	2,290	98	212	440	938	1,310
29	180	192	146	425	-----	1,580	2,000	94	185	428	866	1,220
30	173	187	149	442	-----	1,490	1,800	98	306	430	758	1,140
31	163	-----	154	448	-----	1,460	-----	115	-----	528	647	-----
TOTAL	14,529	4,189	4,792	13,871	10,721	49,848	198,860	15,824	4,536	9,412	23,784	31,963
MEAN	469	140	155	447	383	1,608	6,629	510	151	304	767	1,065
MAX	1,190	157	182	635	575	1,900	9,840	1,640	306	528	1,700	2,240
MIN	163	94	136	165	249	561	1,800	94	96	182	370	564
CFSM	.20	.06	.06	.19	.16	.67	2.77	.21	.06	.13	.32	.45
IN.	.23	.07	.07	.22	.17	.78	3.09	.25	.07	.15	.37	.50

CAL YR 1961 TOTAL 671,310 MEAN 1,708 MAX 7,920 MIN 94 LFSM .71 IN 9.70  
WAT YR 1962 TOTAL 322,324 MEAN 1,047 MAX 9,840 MIN 94 CFSM .44 IN 5.95

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,060	180	175	297	1,340	5,640	1,990	225	161	446	911	456
2	986	166	198	295	1,040	5,940	1,860	217	150	446	884	420
3	926	163	231	288	1,190	6,090	1,740	235	137	467	797	340
4	663	159	244	281	1,780	6,090	1,640	231	124	472	687	275
5	806	151	248	277	1,940	6,080	1,510	213	113	443	583	225
6	731	144	261	284	2,620	6,060	1,430	198	103	398	477	192
7	667	139	266	323	3,330	6,030	1,340	187	98	365	390	173
8	604	135	279	325	3,320	5,970	1,250	175	94	378	345	156
9	635	135	290	330	3,210	5,890	1,180	161	92	575	304	142
10	599	131	286	328	3,120	5,840	1,120	150	94	878	380	130
11	561	128	288	316	3,070	5,730	1,070	139	94	806	485	120
12	526	132	293	766	3,400	5,570	1,020	131	110	638	400	110
13	495	136	281	2,080	3,380	5,380	965	120	112	532	352	101
14	469	127	279	1,940	3,540	5,190	908	110	98	477	314	94
15	446	130	277	1,700	3,510	5,210	851	107	86	469	328	88
16	420	135	275	1,510	3,500	5,060	794	104	77	477	320	82
17	392	130	272	1,380	3,470	4,820	731	100	80	673	297	77
18	370	125	268	1,300	3,440	4,540	670	96	114	779	297	73
19	352	123	264	1,230	3,610	4,310	607	90	108	770	328	70
20	325	118	259	1,180	3,990	4,100	559	84	105	800	352	66
21	304	118	255	1,250	3,990	3,890	508	108	131	836	529	64
22	298	131	260	1,230	3,950	3,680	467	125	134	1,900	624	61
23	270	124	246	1,160	3,910	3,480	425	128	138	1,760	605	57
24	250	127	239	1,090	4,260	3,280	388	118	175	1,780	542	53
25	233	138	235	1,020	5,800	3,080	348	131	191	1,580	487	49
26	217	131	231	968	5,460	2,900	318	163	231	1,330	493	47
27	204	123	246	1,020	5,490	2,730	288	170	335	1,100	519	47
28	192	120	250	1,100	5,530	2,570	266	170	422	1,050	551	52
29	183	121	270	1,080	-----	2,410	242	170	451	1,180	493	373
30	175	139	300	1,060	-----	2,260	231	173	435	1,130	390	815
31	187	-----	293	1,050	-----	2,120	-----	170	-----	974	325	-----
TOTAL	14,796	4,057	4,047	28,458	95,570	141,940	26,736	4,699	4,793	25,309	14,799	5,008
MEAN	477	135	260	918	3,413	4,579	891	152	160	816	477	167
MAX	1,060	180	300	2,080	5,530	6,090	1,990	235	451	1,780	911	815
MIN	175	118	175	277	1,040	2,120	231	84	77	365	297	47
CFSM	.20	.06	.11	.38	1.43	1.92	.37	.06	.07	.34	.20	.07
IN.	.23	.06	.13	.44	1.49	2.21	.42	.07	.07	.39	.23	.08

CAL YR 1962 TOTAL 345,719 MEAN 1,057 MAX 9,840 MIN 94 CFSM .44 IN 6.00  
WAT YR 1963 TOTAL 374,202 MEAN 1,025 MAX 6,090 MIN 47 CFSM .43 IN 5.82



## 2-3155 Suwannee River at White Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	853	43	65	355	7,690	8,610	2,910	3,290	1,230	261	6,430	6,500
2	712	43	58	360	7,460	8,550	2,710	5,160	1,120	268	6,660	6,120
3	630	41	66	370	7,190	8,610	2,530	11,400	1,020	307	6,880	5,790
4	591	39	66	363	6,920	8,780	2,390	13,200	904	348	7,040	5,460
5	551	44	61	353	6,660	9,020	2,240	13,500	802	508	7,110	5,150
6	500	44	58	353	6,540	9,300	2,100	13,500	727	477	7,150	4,840
7	451	61	56	388	6,350	9,520	1,980	13,200	748	456	7,190	4,520
8	405	54	55	1,080	6,200	9,680	1,870	13,200	689	435	7,230	4,200
9	360	52	57	2,500	6,020	9,760	1,800	13,200	675	402	7,260	3,920
10	316	58	55	2,760	5,770	9,760	1,750	13,100	641	370	7,300	3,840
11	277	62	54	2,730	5,520	9,600	1,680	13,000	586	358	7,380	4,410
12	244	60	53	3,860	5,280	9,440	1,580	12,600	532	400	7,500	9,370
13	218	54	125	5,310	5,040	9,230	1,510	12,300	482	540	7,620	15,100
14	193	50	360	5,390	4,780	8,900	1,450	11,800	438	669	7,890	18,600
15	176	48	200	5,230	4,500	8,610	1,390	11,300	393	772	8,240	20,800
16	160	46	495	5,250	4,250	8,340	1,330	10,600	350	835	8,390	22,500
17	145	45	469	5,770	4,000	8,010	1,270	9,920	309	901	8,550	23,200
18	127	45	456	6,380	3,980	7,730	1,220	9,090	275	2,390	8,550	23,200
19	114	43	443	6,880	4,650	7,460	1,170	8,240	247	3,470	8,610	27,900
20	105	40	435	7,000	4,650	7,190	1,120	7,500	242	3,260	8,550	22,100
21	96	39	425	7,150	4,600	6,880	1,060	6,730	253	3,030	8,550	21,100
22	87	38	413	7,340	4,670	6,500	991	5,920	247	3,080	8,660	19,900
23	79	38	403	7,620	4,790	6,040	923	5,090	218	3,280	8,610	18,900
24	75	43	408	7,850	4,880	5,260	865	4,250	186	3,410	8,390	17,900
25	69	43	403	8,010	4,940	5,100	832	3,490	186	3,740	8,100	17,000
26	65	41	398	8,150	4,970	4,710	754	2,970	176	4,220	7,850	16,000
27	60	40	388	8,240	4,740	4,450	705	2,510	176	5,050	7,620	15,100
28	56	43	378	8,240	4,420	4,080	1,580	2,120	172	6,020	7,540	14,300
29	53	46	365	8,150	4,550	3,730	3,240	1,800	224	6,300	7,380	13,600
30	47	79	353	8,010	-----	3,420	3,370	1,580	242	6,280	7,150	13,000
31	45	-----	343	7,850	-----	3,140	-----	1,380	-----	6,310	6,850	-----
TOTAL	7,859	1,400	8,264	149,512	163,480	229,710	50,348	256,940	14,490	68,147	238,420	399,420
MEAN	254	44.7	267	4,823	5,267	7,410	1,678	8,248	483	2,198	7,685	13,310
MAX	853	79	500	8,240	8,550	9,760	3,370	13,500	1,230	6,310	8,660	23,200
MIN	45	38	53	353	3,980	3,140	733	1,390	172	261	6,430	3,840
CFSM	11	02	11	2.02	2.36	3.10	.70	3.47	.20	.92	3.22	5.57
IN.	.12	02	.13	2.33	2.54	3.57	.78	4.00	.23	1.06	3.71	6.21
CAL YR 1963	TOTAL	264,885	MEAN	1,000	MAX	6,090	MIN	38	CFSM	.42	IN	5.61
WAT YR 1964	TOTAL	1,587,760	MEAN	4,338	MAX	23,200	MIN	38	CFSM	1.82	IN	24.71

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	12,300	3,350	1,300	7,650	2,080	5,980	7,930	2,950	264	3,470	1,900	1,490
2	11,600	5,180	1,246	7,070	2,090	6,530	7,860	2,510	237	3,260	2,260	1,370
3	10,900	4,710	1,220	6,570	2,160	7,300	7,790	2,480	217	3,000	2,060	1,430
4	10,200	4,120	1,460	6,140	2,220	7,710	7,120	2,370	201	2,770	1,960	1,480
5	9,430	4,420	2,410	5,780	2,260	8,060	7,650	2,280	189	2,580	1,870	1,440
6	8,640	4,190	2,810	5,480	2,280	8,490	7,570	2,190	181	2,500	1,980	1,300
7	7,950	3,720	2,840	5,230	2,760	9,110	7,480	2,110	201	2,600	2,060	1,180
8	7,400	3,600	4,020	4,990	3,190	9,850	7,370	2,190	219	2,470	2,110	1,050
9	6,920	3,420	3,350	4,750	3,260	10,500	7,250	1,890	205	2,300	2,010	969
10	6,500	3,130	3,720	4,510	3,290	10,800	7,110	1,750	194	2,130	1,990	929
11	6,060	2,770	4,090	4,280	3,320	11,000	6,920	1,620	231	2,140	2,110	877
12	5,710	2,700	4,450	4,060	3,320	11,000	6,710	1,490	312	2,000	2,240	873
13	5,290	2,010	4,760	3,460	3,320	10,900	6,460	1,370	393	1,950	2,320	819
14	4,770	2,440	5,040	3,660	3,630	10,700	6,140	1,270	448	2,250	2,580	769
15	4,530	2,300	5,210	3,480	4,350	10,400	5,780	1,180	457	2,580	2,900	755
16	4,450	2,170	5,290	3,320	4,560	10,100	5,380	1,090	591	2,910	4,560	722
17	4,360	2,350	5,350	3,130	4,710	9,670	4,940	1,010	1,210	3,150	5,180	770
18	4,390	1,920	5,320	2,960	4,990	9,140	4,460	931	3,260	3,120	4,980	797
19	4,620	1,110	5,260	2,790	5,320	8,830	4,000	855	4,270	3,360	4,760	726
20	4,880	1,750	5,180	2,640	5,420	8,900	3,690	784	3,990	3,110	4,590	654
21	5,100	1,740	5,090	2,510	5,430	9,010	3,410	712	3,700	3,490	4,430	610
22	5,310	1,660	4,970	2,380	5,420	8,950	3,150	642	3,510	3,440	4,170	572
23	5,460	1,570	4,820	2,260	5,400	8,870	2,950	578	3,350	3,100	3,900	543
24	5,610	1,510	4,640	2,240	5,450	8,800	2,770	522	3,220	2,740	3,550	540
25	5,710	1,320	4,420	2,310	5,720	8,720	2,600	473	3,030	2,390	3,210	535
26	5,770	1,500	4,280	2,230	5,860	8,610	2,460	431	2,950	2,040	2,930	517
27	5,790	1,440	4,570	2,190	5,890	8,500	2,490	393	3,140	1,770	2,680	507
28	5,780	1,400	4,630	2,120	5,940	8,370	2,770	356	3,370	1,560	2,420	709
29	5,740	1,390	4,510	2,040	-----	8,740	2,750	330	3,480	1,400	2,170	1,210
30	5,670	1,360	4,880	2,000	-----	8,120	2,700	316	3,460	1,570	1,930	2,650
31	5,510	-----	4,300	2,090	-----	8,010	-----	293	-----	1,720	1,690	-----
TOTAL	202,100	80,320	145,510	116,730	113,640	279,120	158,660	38,956	50,492	78,874	89,500	28,623
MEAN	6,519	2,593	4,694	3,765	4,029	9,004	5,289	1,257	1,683	2,544	2,887	954
MAX	12,300	5,180	9,630	7,660	5,940	11,000	7,930	2,650	4,270	3,490	5,180	2,650
MIN	4,360	1,360	1,220	2,000	2,080	5,960	2,600	293	181	1,400	1,050	507
CFSM	2.73	1.13	1.56	6.15	1.58	4.77	2.21	.53	.70	1.06	1.21	.40
IN.	3.14	1.26	2.26	1.82	1.77	4.34	2.47	.61	.79	1.23	1.39	.45
CAL YR 1964	TOTAL	1,998,717	MEAN	5,461	MAX	23,200	MIN	172	CFSM	2.28	IN	31.10
WAT YR 1965	TOTAL	1,381,131	MEAN	3,789	MAX	12,300	MIN	181	CFSM	1.59	IN	21.52

## 2-3156 Suwannee Springs near Live Oak, Fla

Location --Lat 30°23'39", long 82°56'04", in SE $\frac{1}{4}$  sec 17, T 1 S , R 14 E , at swimming pool on left bank of Suwannee River at town of Suwannee Springs, 0 1 mile upstream from bridge on U S Highway 129, and 7 $\frac{1}{2}$  miles north of Live Oak, Suwannee County

Records available --1906, 1932, 1946, 1956, 1960 (one discharge measurement in each year), August 1961 to September 1965 (discharge measurements only)

Extremes --1961-65 Maximum discharge measured, 71 5 cfs June 4, 1964, minimum measured, 10 0 cfs Oct 31, 1963  
Maximum discharge measured, 71 5 cfs June 4, 1964, minimum measured, 2 35 cfs Apr 25, 1956

Remarks --Discharge measurements made at outlet of concrete-walled pool, undetermined amount of underground leakage not included Flow regulated in main outlet culvert by boards Measurements not made at high river stages

Discharge measurements, in cubic feet per second, water years 1963-65

Water year 1963			
Oct 19, 1962	11 6	Dec 17, 1962	10 4
Nov 27	11 5	May 17, 1963	19 2
Water year 1964			
Oct 8, 1963	11 5	Dec 19, 1963	11 5
Oct 31	10 0	June 4, 1964	71 5
Water year 1965			
June 16, 1965	32 9	Sept 22, 1965	49 6
July 28	61 7		

## 8-3160 Alapaha River near Alapaha, Ga

Location --Lat 31°23', long 83°10', near right bank on downstream side of bridge on State Highway 50, 2 miles east of Alapaha, Berrien County, and 6 miles upstream from Willacoochee River

Drainage area --663 sq mi

Records available --October 1936 to September 1965 Monthly discharge only some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 209.34 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Sept. 8, 1943, staff gage, and Sept. 8, 1943, to Apr. 29, 1965, graphic water-stage recorder at same site and datum

Average discharge --29 years, 517 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 18, 1961	7,060	14.7	Nov 8,10,11,18,1960	0.10	-
1962	Apr 6, 7, 1962	1,920	10.5	Aug 9-23, 1962	0	-
1963	June 28, 1963	2,440	11.2	Nov 2-5, 1962	10	-
1964	Mar 8, 1964	7,800	14.9	Nov 10,15,18, 1963	4.3	-
1965	Feb 20, 21, 1965	5,900	13.8	June 6, 7, 1965	2.8	-

1936-65 Maximum discharge, 12,700 cfs Apr. 4, 1948 (gage height, 16.8 ft), no flow July 23, 24, Sept. 1 to Nov. 28, 1954, Aug. 9-23, 1962

Maximum stage known since at least 1900, 18.0 ft in April 1928, from information by Georgia State Highway Department (discharge, 16,000 cfs)

Remarks --Records fair

Revisions (water years) --WSP 872 1937 WSP 1002 1939(M) WSP 1624 Drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.5	1.0	.30	12	75	250	885	915	486	78	.70	124
2	1.8	.90	.30	12	81	270	915	985	472	55	.60	90
3	1.2	.80	.30	10	81	270	1,110	1,020	408	42	.50	76
4	2.1	.70	.30	9.5	73	290	1,550	1,060	340	35	.70	64
5	1.8	.60	.30	8.5	73	310	1,800	1,110	280	40	.60	55
6	1.7	.30	.30	8.0	65	330	1,920	1,060	228	42	.60	81
7	2.7	.20	.30	14	81	350	2,120	985	183	36	.60	87
8	2.9	.20	.40	13	87	361	2,280	830	151	29	.40	74
9	1.9	.20	.40	11	87	372	2,200	720	124	23	.50	60
10	1.2	.20	.40	11	90	372	1,980	700	103	20	1.4	50
11	.80	.20	.60	12	93	361	1,750	680	87	19	.90	46
12	.50	.30	2.1	18	103	361	1,650	620	73	17	.70	45
13	1.9	.30	.90	26	120	340	1,700	582	60	15	.60	42
14	3.9	.30	.70	24	128	320	1,700	600	48	12	1.3	39
15	4.9	.30	1.0	20	117	300	1,920	600	40	9.5	1.1	36
16	7.0	.20	2.5	18	100	270	4,160	565	39	7.6	.80	30
17	6.8	.20	1.6	26	84	250	5,840	532	39	6.7	.60	26
18	6.5	.10	1.2	40	75	280	7,060	532	42	6.3	.40	25
19	6.0	.30	1.0	38	90	384	6,700	516	39	6.0	.50	22
20	5.6	.30	.70	34	96	408	6,000	472	35	5.5	2.6	20
21	4.8	.30	.70	28	103	445	5,520	408	46	4.8	2.9	18
22	3.9	.30	.90	24	106	486	4,960	340	50	4.1	2.3	15
23	3.4	.30	.70	24	171	532	4,160	290	52	3.8	2.1	12
24	3.1	.30	.80	26	270	582	3,200	250	76	3.2	2.1	9.7
25	2.7	.40	2.6	30	310	640	2,520	223	87	2.7	3.4	7.6
26	2.3	.30	3.1	34	290	700	1,980	228	87	2.2	37	7.2
27	2.0	.30	3.6	32	250	760	1,650	250	147	1.8	55	7.0
28	1.8	.30	3.9	55	232	805	1,400	260	280	1.6	66	5.7
29	1.5	.30	4.3	50	-----	780	1,160	270	218	1.4	93	5.0
30	1.3	.20	4.7	65	-----	720	985	350	124	1.2	110	4.9
31	1.2	-----	5.0	67	-----	680	-----	445	-----	1.1	117	-----
TOTAL	91.70	10.60	45.90	800.0	3,536	13,579	82,775	18,398	4,444	532.5	506.90	1,184.1
MEAN	2.96	.35	1.48	25.8	126	438	2,759	593	148	17.2	16.4	39.5
MAX	7.0	1.0	5.0	67	310	805	7,060	1,110	486	78	117	124
MIN	.50	.10	.30	8.0	65	250	885	223	35	1.1	.40	4.9
CFSM	.004	.0005	.002	.04	.19	.66	4.16	.90	.22	.03	.02	.06
IN.	.005	.0005	.003	.04	.20	.76	4.64	1.03	.25	.03	.03	.07

CAL YR 1960 TOTAL 223,470.10 MEAN 611 MAX 8,640 MIN .10 CFSM .92 IN 12.54  
WAT YR 1961 TOTAL 125,903.70 MEAN 345 MAX 7,060 MIN .10 CFSM .52 IN 7.06

## 2-3160 Alapaha River near Alapaha, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4.1	.10	1.6	44	192	985	950	234	8.2	4.2	.80	4.3
2	2.9	.10	1.5	48	252	985	1,240	200	7.9	3.5	.60	3.1
3	2.8	.10	1.4	44	252	985	1,240	168	8.4	2.9	.40	2.3
4	2.5	.20	1.3	40	208	950	1,600	146	8.6	3.0	.30	1.8
5	2.3	.20	1.3	38	168	985	1,850	126	7.6	2.3	.20	1.9
6	1.9	.20	1.2	62	136	1,070	1,920	114	6.4	1.8	.10	2.0
7	1.5	.40	3.1	90	117	1,180	1,920	102	8.4	1.3	.10	4.2
8	1.3	.30	2.5	81	111	1,240	1,850	93	18	1.1	.10	10
9	1.2	.10	1.6	72	114	1,360	1,850	84	30	.90	0	18
10	1.0	.10	1.4	72	129	1,420	1,720	75	39	.70	0	21
11	.90	.10	1.2	81	136	1,420	1,600	65	62	.90	0	18
12	1.0	.20	6.2	96	129	1,300	1,480	58	72	1.2	0	17
13	4.3	.20	43	96	123	1,180	1,360	49	60	.80	0	8.4
14	1.0	.30	20	87	123	1,070	1,240	40	46	.60	0	6.6
15	.60	.30	12	78	136	1,070	1,180	33	36	.60	0	5.2
16	.60	.40	11	72	168	1,070	1,240	28	27	.40	0	4.2
17	.50	.30	8.8	68	200	985	1,480	25	21	.60	0	3.4
18	.50	.30	40	62	178	880	1,600	21	17	.50	0	2.9
19	.60	.30	60	60	216	815	1,660	17	17	.30	0	2.4
20	1.0	.30	44	62	348	815	1,720	15	20	.30	0	1.9
21	.70	.30	40	62	388	785	1,720	12	20	.20	0	1.8
22	.60	.30	41	62	450	755	1,540	10	18	.20	0	1.8
23	.60	2.9	40	62	725	725	1,240	8.4	15	.10	0	2.0
24	.50	4.4	39	62	985	725	950	6.8	13	.10	.10	3.5
25	.30	2.6	35	68	985	695	725	5.4	10	.10	2.8	2.7
26	.20	1.9	32	68	950	645	545	4.6	8.2	.10	12	2.3
27	.10	1.8	30	70	985	595	440	3.8	7.0	.10	8.9	9.1
28	.10	2.0	43	120	985	545	378	2.9	6.7	.10	6.7	16
29	.10	1.8	38	129	-----	485	328	2.6	4.8	1.1	5.6	15
30	.10	1.7	35	123	-----	450	279	3.0	4.8	1.0	5.9	14
31	.10	-----	33	136	-----	450	-----	2.8	-----	1.0	5.4	-----
TOTAL	35.90	24.10	669.1	2,315	9,849	28,620	38,845	1,755.3	629.0	32.00	50.00	201.8
MEAN	1.16	.80	21.6	74.7	353	923	1,295	56.6	21.0	1.03	1.61	6.73
MAX	4.4	6.4	60	146	985	1,420	1,920	234	72	4.2	12	21
MIN	.10	.10	1.2	38	111	450	279	2.6	4.8	.10	0	1.8
CFSM	.002	.001	.03	11	.39	1.95	.09	.03	.03	.002	.002	.01
IN.	.002	.001	.04	13	.55	1.61	2.18	.10	.04	.002	.003	.01

CAL YR 1961 TOTAL 126,484.60 MEAN 347 MAX 7,060 MIN .10 CFMS .52 IN 7.09  
 WAT YR 1962 TOTAL 83,066.20 MEAN 228 MAX 1,920 MIN 0 CFMS .34 IN 4.66

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11	.20	26	36	880	1,420	534	142	249	2,050	1,660	56
2	8.8	.20	28	37	880	1,540	502	156	214	1,850	1,360	52
3	7.7	.10	33	38	815	1,600	470	156	194	1,600	1,020	56
4	6.8	.20	34	37	755	1,540	456	146	214	1,360	845	52
5	5.9	.20	31	35	725	1,420	428	156	231	1,120	660	40
6	5.2	.20	28	34	755	1,300	400	164	206	905	502	30
7	4.4	.20	25	35	445	1,180	428	150	174	720	364	24
8	3.5	.20	23	35	445	1,020	414	139	164	640	267	20
9	2.9	1.6	26	34	880	965	376	132	160	622	194	15
10	2.3	3.6	25	33	915	875	352	153	150	820	146	12
11	2.1	2.4	25	32	950	845	340	194	160	1,360	114	9.2
12	3.1	1.6	24	52	1,020	795	388	222	142	1,850	90	7.8
13	2.4	1.4	22	75	985	795	470	222	99	1,980	76	7.2
14	1.9	1.4	20	96	950	965	568	198	68	1,980	64	7.2
15	1.1	2.6	19	105	915	1,400	640	178	52	1,920	58	8.3
16	1.1	5.9	19	99	915	1,300	660	146	40	1,850	48	8.9
17	3.4	6.7	19	87	1,020	1,120	622	118	36	1,850	41	6.9
18	1.1	6.2	18	93	1,400	995	550	99	41	2,050	35	5.9
19	.40	6.1	18	105	1,360	905	456	96	64	1,980	30	5.2
20	.30	5.8	17	157	1,360	845	376	102	64	1,720	33	4.7
21	.30	5.5	17	348	1,300	770	296	102	54	1,300	160	4.6
22	.70	6.2	17	368	1,260	700	240	84	86	1,25	206	4.2
23	.70	6.7	17	348	1,120	622	190	114	222	1,020	178	3.9
24	.40	6.1	16	368	1,070	586	156	136	472	1,300	132	3.6
25	.30	6.1	16	430	1,120	586	128	206	770	1,300	93	3.3
26	.20	6.7	24	430	1,120	568	108	318	1,240	1,070	68	3.2
27	.20	7.1	24	368	1,120	586	93	456	2,280	965	57	2.5
28	.20	7.3	36	308	1,300	604	78	550	2,440	1,070	56	5.8
29	.20	7.8	37	270	-----	568	68	534	2,280	1,780	58	104
30	.20	14	41	378	-----	518	84	442	2,200	2,050	57	111
31	.20	-----	38	670	-----	518	-----	318	-----	1,920	54	-----
TOTAL	79.00	120.30	772	5,561	28,400	29,351	10,871	6,335	14,764	44,937	8,726	675.4
MEAN	2.55	4.01	24.5	179	1,014	947	362	204	492	1,450	281	21.5
MAX	11	14	41	670	1,360	1,600	660	550	2,440	2,050	1,660	111
MIN	.20	.10	16	32	725	518	68	90	36	622	30	3.2
CFSM	.004	.006	.04	.27	1.53	1.43	.55	.31	.74	2.19	.42	.03
IN.	.004	.007	.04	.31	1.59	1.65	.61	.36	.83	2.52	.49	.04

CAL YR 1962 TOTAL 83,308.40 MEAN 228 MAX 1,920 MIN 0 CFMS .34 IN 4.67  
 WAT YR 1963 TOTAL 130,591.70 MEAN 413 MAX 2,440 MIN .10 CFMS .62 IN 8.45

## 2-3160 Alapaha River near Alapaha, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	136	5.5	25	108	1,600	3,100	965	905	26	102	1,660	568
2	178	6.1	23	118	1,000	3,100	905	1,420	53	318	1,780	518
3	182	0.3	23	118	1,540	3,920	875	2,050	41	502	1,850	456
4	174	0.6	24	125	1,540	3,800	845	2,050	25	414	1,720	388
5	139	0.1	23	153	1,480	3,920	795	2,050	19	352	1,600	318
6	102	0.0	22	182	1,480	4,960	795	2,100	35	530	1,780	249
7	76	4.9	21	202	1,480	7,060	1,360	2,000	190	795	2,200	190
8	64	4.7	21	249	1,540	7,600	1,600	1,920	214	965	1,980	156
9	53	4.4	21	447	1,600	6,880	1,720	1,780	178	1,240	1,780	128
10	48	4.3	21	660	1,660	5,520	1,720	1,660	122	1,540	1,920	108
11	48	4.8	20	845	1,720	4,400	1,720	1,420	96	1,600	1,980	238
12	51	4.9	21	1,420	1,780	3,320	1,720	1,120	96	1,360	1,920	599
13	51	4.7	21	2,280	1,780	2,700	1,780	905	99	1,020	1,920	745
14	47	4.6	78	3,560	1,780	2,200	1,720	720	60	795	2,120	660
15	42	4.3	78	5,680	1,780	1,920	1,600	596	39	586	2,050	604
16	37	4.3	78	6,160	1,780	1,780	1,480	456	28	442	1,780	660
17	32	4.4	78	6,000	1,720	1,660	1,400	364	21	376	1,420	720
18	28	4.6	76	5,520	1,980	1,540	1,120	285	16	642	1,070	770
19	24	4.4	76	4,960	2,440	1,420	995	231	12	1,020	935	795
20	21	4.6	74	4,540	2,010	1,360	905	186	9.4	1,540	845	875
21	18	4.6	68	4,160	3,100	1,300	845	153	8.4	1,780	845	935
22	15	4.6	62	3,920	3,560	1,300	795	125	7.4	1,850	935	905
23	12	5.5	57	3,800	4,040	1,420	745	105	6.4	1,780	1,120	795
24	11	13	58	3,680	4,400	1,540	680	97	5.8	1,660	1,240	660
25	9.6	13	56	3,440	4,160	1,480	604	76	5.2	1,720	995	518
26	8.8	11	52	2,900	3,680	1,420	518	65	7.2	1,920	845	400
27	6.2	11	49	2,520	3,100	1,480	486	56	9.2	2,120	905	307
28	7.7	12	47	2,400	3,200	1,420	470	47	11	2,440	995	247
29	7.3	26	46	1,920	3,100	1,180	965	40	12	2,200	935	186
30	6.7	30	47	1,780	-----	1,070	905	33	18	1,980	795	156
31	5.9	-----	66	1,660	-----	795	-----	79	-----	1,780	660	-----
TOTAL	1,645.2	223.7	1,465	75,307	67,230	86,765	33,183	25,094	1,470.0	37,369	44,580	14,847
MEAN	53.1	7.1	47.3	2,429	2,144	2,759	1,106	809	49.0	1,205	1,438	495
MAX	182	30	78	6,160	4,400	7,600	1,780	2,120	214	2,440	2,200	935
MIN	5.9	4.3	20	108	1,480	995	486	29	5.2	102	660	108
CFSM	.08	.01	.07	3.66	3.50	4.22	1.67	1.22	.07	1.82	2.17	.75
IN.	.09	.01	.08	4.22	3.77	4.87	1.86	1.41	.08	2.10	2.50	.83
CAL YR 1963	TOTAL 152,958.3	MEAN 419	MAX 2,440	MIN 3.2	CFSM .63	IN 8.58						
WAT YR 1964	TOTAL 389,183.4	MEAN 1,063	MAX 7,600	MIN 4.3	CFSM 1.60	IN 21.83						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	137	390	265	2,430	1,420	2,330	3,140	457	4.4	781	110	23
2	111	345	245	2,140	1,320	2,230	3,470	383	3.6	938	92	19
3	129	245	1,900	1,420	2,330	2,330	3,470	324	3.2	939	65	20
4	265	795	1,180	1,760	1,100	2,430	3,250	275	3.4	839	47	32
5	435	275	1,700	1,580	1,020	2,830	3,030	738	3.1	719	36	55
6	465	235	1,320	1,420	1,060	3,140	2,630	215	3.0	594	32	56
7	390	210	1,100	1,180	1,840	2,930	2,230	195	2.8	497	28	46
8	265	1,270	1,020	1,900	1,900	2,730	2,050	170	2.8	432	72	34
9	405	205	1,420	880	1,700	2,530	1,830	139	35	381	223	28
10	435	133	1,420	765	2,050	2,140	1,700	111	48	361	281	30
11	420	185	1,376	725	2,230	1,970	1,520	91	46	324	133	35
12	390	175	1,370	685	2,250	1,760	1,370	75	58	277	71	33
13	390	161	1,470	665	2,530	1,700	1,270	63	108	308	122	30
14	420	153	1,700	625	2,930	1,640	1,100	53	111	361	305	29
15	448	149	1,520	605	3,360	1,580	915	45	193	512	197	30
16	1,220	141	1,376	570	4,070	1,640	790	37	345	680	122	31
17	1,180	137	1,180	540	4,700	1,830	685	30	480	764	76	28
18	1,220	129	1,060	510	5,300	2,050	605	25	540	728	56	36
19	1,370	125	950	495	5,500	2,050	525	21	555	651	78	49
20	1,420	145	880	480	5,900	2,230	540	18	493	580	99	43
21	1,370	157	850	480	5,400	2,330	525	14	390	522	99	35
22	1,370	157	850	465	5,500	2,730	495	11	429	427	93	29
23	1,370	161	820	450	5,150	3,140	480	9.2	571	332	78	41
24	1,320	169	765	665	4,550	3,030	510	7.7	661	301	62	87
25	1,180	210	765	820	4,070	2,930	465	6.9	656	249	49	102
26	1,020	245	790	915	3,470	2,830	450	6.0	597	202	41	78
27	850	245	915	1,270	2,930	2,730	510	5.4	553	133	49	76
28	705	235	1,020	1,580	2,630	2,830	585	4.9	546	99	47	108
29	585	265	1,970	1,700	-----	3,140	570	4.8	580	93	62	161
30	510	275	2,930	1,640	-----	2,830	525	4.8	620	95	69	165
31	450	-----	2,830	1,580	-----	2,730	-----	5.6	-----	100	32	-----
TOTAL	22,745	6,340	37,540	32,540	87,580	75,320	41,235	3,047.3	8,644.3	14,219	2,901	1,569
MEAN	734	211	1,211	1,050	3,128	2,430	1,375	98.3	288	459	93.6	52.3
MAX	1,420	390	2,930	2,430	5,900	3,140	3,470	457	661	936	305	165
MIN	111	125	245	450	1,020	1,580	450	2.8	2.8	93	28	19
CFSM	1.11	.32	1.83	1.58	4.72	3.66	2.07	.15	.43	.69	.14	.08
IN.	1.28	.36	2.11	1.83	4.91	4.22	2.31	.17	.48	.80	.16	.09
CAL YR 1964	TOTAL 452,470.0	MEAN 1,236	MAX 7,600	MIN 5.2	CFSM 1.86	IN 25.38						
WAT YR 1965	TOTAL 533,680.6	MEAN 914	MAX 5,900	MIN 2.8	CFSM 1.38	IN 18.72						

2-3175 Alapaha River at Statenville, Ga

Location --Lat 30°42', long 83°01', at downstream side of left bank pier of bridge on State Highway 94, a quarter of a mile west of Statenville, Echols County

Drainage area --1,400 sq mi, approximately

Records available --January to June 1921, October 1931 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 76 77 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Georgia State Highway Department) Jan 28 to June 30, 1921, staff gage at site 50 ft upstream at datum 2 10 ft higher Dec 10, 1931, to July 9, 1935, chain gage, July 10, 1935, to Nov 30, 1949, staff gage at site 200 ft upstream, Dec 1, 1949, to Nov 22, 1952, wire-weight gage and Nov 23, 1952, to May 21, 1965, graphic water-stage recorder at present site, all at present datum

Average discharge --34 years, 1,000 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 24, 1961	12,000	27 0	Dec 10, 11, 1960	47	-
1962	Apr 11, 1962	3,790	15 9	Nov 20-23, 1961	37	-
1963	Feb 26, 1963	2,380	11 1	Nov 7, 8, 1962	36	-
1964	Mar 9, 1964	10,200	26 4	Nov 20-22, 1963	45	-
1965	Mar 2, 3, 1965	9,600	26 1	June 7, 1965	95	-

1921, 1931-65 Maximum discharge, 27,300 cfs Apr 6, 1948 (gage height, 29 8 ft, from graph based on gage readings), minimum, 16 cfs Nov 13, 14, 1954

Maximum stage known since at least 1862, 29 8 ft Apr 6, 1948, from information by local resident

Flood of Apr 30 or May 1, 1928, reached a stage of 28 5 ft, from floodmarks (discharge, 18,400 cfs)

Remarks --Records good

Revisions (water years) --WSP 822 1936, drainage area

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	439	75	52	124	532	1,390	1,340	6,200	612	311	73	910
2	352	73	52	147	472	1,320	1,470	5,220	612	347	70	785
3	283	70	52	152	461	1,260	1,340	3,940	660	366	69	660
4	237	66	51	140	461	1,260	1,320	3,100	685	329	70	566
5	197	64	51	128	439	1,210	1,320	2,400	660	293	73	500
6	183	62	50	117	406	1,110	1,390	2,000	600	257	83	456
7	255	61	50	109	439	1,010	1,470	1,800	533	230	75	500
8	322	60	50	107	472	910	1,630	1,700	467	205	79	436
9	384	58	50	110	461	835	1,820	1,550	416	189	92	396
10	352	55	48	106	439	785	2,080	1,500	366	194	109	416
11	302	55	52	99	439	760	2,250	1,440	338	205	147	456
12	255	55	63	94	417	710	2,610	1,370	311	175	164	446
13	221	54	64	120	406	685	3,420	1,290	275	158	154	436
14	192	54	63	395	384	660	3,820	1,210	257	144	162	396
15	168	54	76	595	373	612	3,940	1,110	239	132	144	347
16	152	53	99	520	362	589	4,420	1,060	230	123	134	320
17	135	54	94	428	352	555	4,840	985	266	116	114	293
18	120	61	91	362	342	544	5,320	935	230	113	97	275
19	111	57	84	312	362	785	5,880	860	203	123	90	248
20	110	56	75	302	484	1,290	6,320	820	191	179	101	230
21	118	53	78	283	636	1,710	6,710	740	322	160	106	210
22	128	51	86	264	735	1,900	7,950	720	600	156	110	194
23	124	50	82	246	810	1,840	10,500	660	600	138	124	181
24	113	50	78	237	1,060	1,630	12,000	640	478	123	135	168
25	104	56	75	228	1,290	1,470	11,400	620	366	109	166	168
26	96	61	70	255	1,440	1,340	10,200	636	293	101	548	175
27	91	61	67	484	1,520	1,260	9,400	810	257	96	1,010	179
28	87	57	65	600	1,470	1,180	8,600	860	284	86	1,060	191
29	82	56	63	636	-----	1,160	7,800	885	284	83	785	173
30	80	54	65	660	-----	1,110	6,860	835	284	80	660	164
31	76	-----	71	600	-----	1,080	-----	710	-----	76	710	-----
TOTAL	5,869	1,746	2,067	8,920	17,464	33,960	149,420	48,626	11,919	5,395	7,514	10,875
MEAN	189	58.2	66.7	288	562	1,095	4,981	1,569	397	174	242	363
MAX	439	75	99	660	1,520	1,900	12,000	6,200	685	366	1,060	910
MIN	76	50	48	94	342	544	1,320	620	191	76	69	164
CFSM	.14	.04	.05	.21	.45	.78	3.56	1.12	.28	.12	.17	.26
IN.	.16	.05	.05	.24	.46	.90	3.97	1.79	.32	.14	.20	.29
CAL YR 1960	TOTAL 473,796			MEAN 1,295	MAX 14,600	MIN 48	CFSM .92	IN 12.59				
WAT YR 1961.	TOTAL 303,775			MEAN 832	MAX 12,000	MIN 48	CFSM .59	IN 8.07				

## SUWANNEE RIVER BASIN

2-3175 Alapaha River at Statenville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	156	56	42	129	386	1,260	3,000	1,010	74	69	69	51
2	152	56	41	144	376	1,500	3,540	760	73	66	125	50
3	208	49	41	146	366	1,760	3,480	636	72	61	138	50
4	257	47	40	138	376	1,840	3,450	555	72	60	168	50
5	248	48	40	140	396	1,820	3,360	490	72	59	144	56
6	266	53	40	171	426	1,790	3,230	430	74	59	112	87
7	275	50	42	284	426	1,730	3,170	382	79	63	91	96
8	275	49	41	446	406	1,710	3,290	344	85	79	79	113
9	248	50	39	446	366	1,630	3,510	316	91	100	72	112
10	266	49	38	446	338	1,580	3,660	288	115	87	64	94
11	266	47	38	436	311	1,580	3,760	262	108	72	58	89
12	257	46	39	396	293	1,580	3,760	244	108	60	53	90
13	248	44	68	347	284	1,580	3,630	228	99	54	50	86
14	222	43	75	320	293	1,600	3,390	211	95	51	47	86
15	222	43	73	311	293	1,790	3,110	195	103	49	44	103
16	203	43	69	302	302	2,110	2,860	185	107	47	44	82
17	191	42	64	293	320	2,190	2,640	173	113	46	49	81
18	179	41	103	275	338	2,170	2,440	159	113	46	80	78
19	165	39	171	266	376	2,140	2,250	147	111	47	72	141
20	150	37	167	257	612	2,080	2,030	138	102	46	62	91
21	140	37	142	239	735	2,030	1,870	129	94	52	59	69
22	126	37	135	230	760	1,950	1,790	119	94	46	89	60
23	109	54	158	230	835	1,870	1,760	111	92	44	80	118
24	101	74	158	230	485	1,760	1,760	104	86	43	102	187
25	84	57	144	222	935	1,650	1,760	99	86	41	95	179
26	74	53	132	222	985	1,520	1,760	92	87	40	99	164
27	68	49	124	222	1,060	1,420	1,730	87	85	42	87	236
28	64	47	130	257	1,160	1,340	1,650	84	85	48	82	253
29	66	44	128	302	-----	1,260	1,520	80	79	63	81	211
30	61	43	122	320	-----	1,210	1,260	79	72	89	68	179
31	56	-----	116	347	-----	1,240	-----	75	-----	72	58	-----
TOTAL	5,403	1,425	2,760	8,514	14,639	52,690	80,420	8,212	2,726	1,801	2,521	3,342
MEAN	174	47.5	88.0	275	472	1,700	2,681	265	90.9	58.1	81.3	111
MAX	275	74	171	446	1,160	2,190	3,760	1,010	115	100	168	253
MIN	56	37	38	129	284	1,210	1,260	75	72	40	44	50
CFSM	.12	.03	.06	.20	.37	1.21	1.91	.19	.06	.04	.06	.08
IN.	.14	.04	.07	.23	.39	1.40	2.14	.22	.07	.05	.07	.09
CAL YR 1961	TOTAL 303,681	MEAN 832	MAX 12,000	MIN 37	CFSM .59	IN 8.07						
WAT YR 1962	TOTAL 184,453	MEAN 505	MAX 3,760	MIN 37	CFSM .36	IN 4.90						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	153	41	84	171	935	2,140	1,080	325	735	1,260	1,420	228
2	138	39	98	166	860	2,220	1,060	354	835	1,420	1,420	211
3	122	39	96	164	885	2,190	1,040	334	810	1,600	1,500	195
4	109	39	89	156	1,010	2,140	960	354	660	1,790	1,630	182
5	112	38	89	148	1,140	2,140	910	344	512	1,950	1,710	173
6	108	38	95	144	1,390	2,170	860	344	440	2,030	1,760	168
7	92	37	96	146	1,580	2,190	835	344	392	2,080	1,730	156
8	85	37	95	146	1,680	2,190	785	354	372	2,030	1,580	148
9	89	42	98	147	1,790	2,190	735	344	354	1,870	1,320	141
10	92	44	96	146	1,840	2,190	760	334	334	1,680	1,040	129
11	85	42	95	144	1,870	2,140	760	306	306	1,470	760	119
12	76	41	95	195	1,980	2,030	735	279	279	1,290	578	111
13	69	40	94	253	2,000	1,920	710	270	262	1,210	490	104
14	63	40	92	288	2,030	1,900	660	288	253	1,240	440	111
15	59	39	91	306	2,050	1,920	660	334	236	1,370	401	107
16	55	38	90	306	2,030	1,900	660	344	228	1,550	354	98
17	54	38	87	306	1,980	1,900	685	334	203	1,730	354	98
18	51	38	86	306	1,920	1,980	685	316	203	1,920	354	91
19	48	39	85	316	1,980	2,000	735	297	187	2,030	297	87
20	45	39	82	354	2,030	2,060	735	279	187	2,110	262	85
21	44	39	80	612	2,000	2,140	735	279	195	2,170	262	84
22	48	43	79	960	1,950	2,170	685	279	228	2,110	262	82
23	44	46	78	1,110	1,920	2,110	600	270	244	2,060	262	79
24	49	46	76	1,240	2,060	1,980	522	253	244	2,080	306	76
25	43	48	74	1,290	2,360	1,760	460	253	253	2,170	401	73
26	42	47	76	1,290	2,380	1,580	401	279	392	2,250	480	72
27	42	47	113	1,240	2,300	1,470	363	306	660	2,190	480	70
28	42	46	148	1,210	2,220	1,370	325	334	760	1,980	420	75
29	41	164	51	164	1,180	-----	1,240	382	910	1,730	334	123
30	40	67	170	1,140	-----	1,160	270	480	1,080	1,580	297	125
31	40	-----	171	1,060	-----	1,110	-----	612	-----	1,470	244	-----
TOTAL	2,182	1,271	3,062	16,640	50,150	59,600	20,699	10,205	12,754	55,420	23,148	3,601
MEAN	70.4	42.4	98.8	537	1,791	1,923	690	322	428	1,788	767	120
MAX	153	67	171	1,290	2,380	2,220	1,080	344	1,080	2,250	1,760	228
MIN	40	37	74	144	860	1,110	270	253	187	1,210	244	70
CFSM	.05	.03	.07	.38	1.28	1.37	.49	.24	.30	1.28	.53	.09
IN.	.06	.03	.08	.44	1.33	1.58	.55	.27	.34	1.47	.61	.10
CAL YR 1962	TOTAL 141,380	MEAN 497	MAX 3,760	MIN 37	CFSM .36	IN 4.82						
WAT YR 1963	TOTAL 258,732	MEAN 709	MAX 2,380	MIN 37	CFSM .51	IN 6.87						

## SUWANNEE RIVER BASIN

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2-3175 Alapaha River at Statenville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	118	60	55	156	5,740	7,950	2,970	2,830	236	236	3,880	1,600
2	113	60	56	156	5,180	8,400	2,800	3,530	219	279	3,850	1,520
3	113	60	56	160	4,590	9,400	2,640	5,430	203	354	3,790	1,440
4	152	56	56	173	3,980	9,400	2,440	5,740	195	555	3,790	1,340
5	184	56	56	211	3,450	9,200	2,250	5,880	179	1,060	3,760	1,160
6	228	55	59	244	3,110	9,200	2,030	6,020	195	1,470	3,630	985
7	253	53	60	279	2,940	9,600	1,840	6,100	334	1,760	3,290	835
8	253	52	62	470	2,830	10,200	1,710	6,020	440	1,950	3,110	735
9	236	51	63	465	4,750	10,200	1,790	5,740	460	1,820	3,230	636
10	211	52	62	1,010	2,500	9,800	1,950	5,320	440	1,420	3,290	589
11	187	52	62	985	2,640	9,200	2,080	4,800	420	1,210	3,260	600
12	166	50	63	1,550	2,640	9,000	2,250	4,320	410	1,240	3,360	1,840
13	150	50	150	2,080	2,640	9,200	2,440	3,880	420	1,340	3,600	3,080
14	136	49	159	2,110	2,560	9,400	2,640	1,470	420	1,440	3,980	3,480
15	125	49	147	2,220	2,693	9,400	2,600	2,940	401	1,500	4,100	3,880
16	116	49	135	2,360	2,780	9,000	2,890	2,550	401	1,580	4,070	4,290
17	109	48	140	2,720	2,780	8,250	2,860	2,220	372	1,630	3,820	4,820
18	104	48	165	3,140	3,140	7,350	2,720	1,870	316	1,680	3,480	4,660
19	100	47	177	3,360	3,700	6,560	2,580	1,680	262	1,680	3,200	4,520
20	96	46	182	3,620	3,790	5,850	2,440	1,180	236	1,520	3,110	4,130
21	92	46	184	4,590	3,980	4,800	2,270	935	211	1,470	3,390	3,630
22	89	45	182	5,460	4,130	3,790	2,110	1,580	187	1,580	3,630	3,060
23	84	48	179	6,240	4,320	3,170	1,920	636	171	1,710	3,360	2,610
24	81	50	181	7,200	4,450	2,890	1,730	555	162	2,000	3,030	2,220
25	78	51	174	8,250	4,590	2,690	1,580	480	154	2,360	2,640	1,920
26	75	51	165	8,400	4,800	2,580	1,390	410	152	2,720	2,300	1,730
27	72	52	159	9,250	5,290	2,190	1,290	372	141	3,200	2,140	1,580
28	69	50	156	7,650	6,130	2,690	2,060	334	195	3,630	2,030	1,440
29	66	59	152	7,050	6,780	2,830	2,800	297	195	3,820	1,950	1,260
30	62	59	147	6,560	-----	3,030	2,920	279	-----	3,850	1,870	1,060
31	60	-----	147	6,100	-----	3,080	-----	253	-----	3,910	1,730	-----
TOTAL	3,983	1,554	3,796	103,839	110,990	211,350	68,296	80,596	8,355	55,474	99,670	66,420
MEAN	128	51.8	122	3,350	3,827	6,818	2,276	2,793	279	1,806	3,215	2,214
MAX	253	60	184	8,400	6,780	10,200	2,970	6,100	460	3,910	4,100	4,660
MIN	60	45	55	156	2,640	2,580	1,390	253	141	236	1,730	589
CFSM	0.08	0.04	0.09	2.39	2.73	4.37	1.63	2.29	0.29	1.29	2.30	1.80
IN.	11	04	10	2.76	2.95	5.61	1.81	2.30	0.22	1.49	2.65	1.76
CAL YR 1963	TOTAL 261,550	MEAN 717	MAX 2,380	MIN 45	CFSM .51	IN 6.95						
WAT YR 1964	TOTAL 820,817	MEAN 2,243	MAX 10,200	MIN 45	CFSM 1.60	IN 21.80						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	485	1,650	612	2,660	2,250	8,800	5,680	1,520	113	1,330	551	211
2	760	1,440	589	2,610	2,360	9,200	5,710	1,370	109	1,240	538	219
3	710	1,260	600	2,640	2,470	9,600	5,740	1,240	106	1,170	502	316
4	760	1,080	1,550	2,780	2,520	9,200	5,780	1,140	103	1,110	485	354
5	985	960	3,480	3,000	2,900	8,600	5,780	1,010	100	1,080	492	297
6	1,180	885	4,190	3,230	2,470	8,100	5,740	860	100	1,090	471	244
7	1,370	785	7,010	3,360	2,660	7,500	5,570	735	109	1,140	538	211
8	1,500	735	5,880	3,320	2,860	6,780	5,400	636	165	1,170	519	184
9	1,520	685	6,850	3,110	3,060	6,360	5,180	555	177	1,180	461	170
10	1,520	660	6,250	2,860	3,290	5,880	4,980	501	154	1,280	402	173
11	1,520	612	8,800	2,610	3,480	5,430	4,730	430	170	1,290	399	181
12	1,500	589	8,400	2,360	3,570	5,180	4,390	392	181	1,160	725	173
13	1,370	566	7,650	2,110	3,760	5,010	4,010	363	171	1,080	857	160
14	1,440	544	6,780	1,870	4,230	4,800	3,540	325	211	1,190	845	156
15	2,940	522	6,130	1,650	4,440	4,520	3,140	297	685	1,350	935	150
16	3,760	512	5,220	1,550	5,570	4,190	2,780	270	1,510	1,330	894	138
17	4,040	490	4,260	1,470	6,060	3,880	2,470	244	2,010	1,170	874	130
18	4,290	460	3,600	1,390	6,440	3,600	2,220	228	3,020	999	804	160
19	4,420	470	3,360	1,320	6,600	3,700	1,950	219	2,540	938	692	176
20	4,320	480	3,320	1,240	6,710	4,390	1,870	203	2,060	1,030	640	147
21	4,010	517	3,290	1,180	6,780	4,900	1,730	187	1,810	1,160	549	129
22	3,730	522	3,230	1,110	6,950	5,040	1,550	179	1,660	1,170	440	120
23	3,510	522	3,080	1,080	7,350	5,010	1,440	170	1,580	1,180	401	125
24	3,320	533	2,890	1,160	7,950	5,010	1,390	162	1,450	1,060	363	168
25	3,140	555	2,640	1,340	8,600	4,940	1,320	154	1,320	915	325	165
26	2,920	578	2,410	1,470	9,200	4,760	1,600	147	1,090	779	297	150
27	2,660	589	2,750	1,600	9,200	4,760	1,600	141	1,120	700	270	140
28	2,410	569	3,170	1,630	9,200	4,800	2,470	135	1,370	615	253	219
29	2,190	612	3,170	1,680	-----	5,080	2,190	132	1,670	582	279	344
30	2,000	612	2,970	1,820	-----	5,320	1,820	125	1,520	677	253	372
31	1,840	-----	2,780	2,140	-----	5,540	-----	119	-----	601	228	-----
TOTAL	72,529	210,29	126,711	63,350	143,230	179,820	104,200	14,189	28,384	32,766	16,282	5,882
MEAN	2,339	701	4,087	2,044	5,115	5,801	3,473	458	946	1,057	525	196
MAX	4,420	1,650	8,800	3,360	9,400	9,600	5,780	1,520	3,020	1,350	935	372
MIN	710	470	589	1,080	2,250	3,600	1,320	119	100	582	228	120
CFSM	1.67	.50	2.92	1.46	3.65	4.14	2.48	.33	.68	.75	.38	.14
IN.	1.93	.56	3.37	1.68	3.80	4.78	2.77	.38	.75	.87	.43	.16
CAL YR 1964	TOTAL 1,031,744	MEAN 2,819	MAX 10,200	MIN 141	CFSM 2.01	IN 27.41						
WAT YR 1965	TOTAL 808,363	MEAN 2,215	MAX 9,600	MIN 100	CFSM 1.58	IN 21.47						



2-3180 Little River near Adel, Ga

Location --Lat 31°09', long 83°33', on right bank 500 ft downstream from bridge on State Highway 37, half a mile downstream from Georgia & Florida Railroad bridge, 5 1/2 miles upstream from Bear Creek, 6 miles downstream from Warrior Creek and 7 miles west of Adel, Cook County

Drainage area --577 sq mi

Records available --June 1940 to September 1965

Gage --Digital water-stage recorder Datum of gage is 171.08 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to May 13, 1965, graphic water-stage recorder at same site and datum

Average discharge --25 years, 511 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 17, 1961	13,500	19 0	Nov 21, 1961	4 0	-
1962	Apr 4, 1962	3,440	15 22	Aug 16, 1962	30	-
1963	Mar 16, 1963	3,920	15 6	Aug 22, 1963	a 10	-
1964	May 4, 1964	6,950	17 25	Many days	b 0	-
1965	Mar 30, 1965	6,350	17 11	June 1-3, 1965	c 70	-

a Minimum daily, caused by construction above gage

b Caused by closing of gate at dam upstream

c Minimum daily

1940-65 Maximum discharge, 38,800 cfs Apr 2, 1948 (gage height, 21.0 ft), from rating curve extended above 13,000 cfs on basis of contracted-opening measurement of peak flow, minimum, unregulated, 0.29 cfs Oct 25-30, 1954, no flow at times in 1964 (caused by closing gate at dam upstream)

Maximum flood since at least 1927, that of Apr 2, 1948

Flood in August 1928, reached a stage of 20.5 ft, from information by Georgia State Highway Department (discharge, 33,200 cfs, from rating curve extended above 13,000 cfs as explained above)

Remarks --Records fair Flow affected at times by dam about a quarter of a mile upstream

Revisions (water years) --WSP 1082 1944

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	20	6.9	4.1	9.6	141	400	472	600	862	358	11	30
2	30	6.6	4.1	9.5	146	400	536	664	642	372	12	53
3	47	6.4	4.8	9.3	151	386	736	754	400	337	13	66
4	70	6.2	5.6	9.6	131	351	900	808	244	281	38	52
5	130	6.2	5.4	12	113	316	1,020	718	161	256	36	40
6	118	5.9	5.3	16	95	295	1,410	600	114	220	25	34
7	67	5.6	5.1	19	95	281	1,560	536	85	141	20	38
8	48	5.4	5.1	19	113	268	1,220	488	66	91	17	75
9	49	5.3	5.0	16	131	250	826	414	42	67	15	71
10	60	5.1	4.8	14	146	220	648	456	53	60	16	52
11	94	5.1	5.4	12	166	196	520	488	42	69	14	40
12	96	5.1	5.8	11	196	172	718	456	38	74	12	32
13	80	5.1	5.6	13	208	156	1,260	504	34	146	11	23
14	57	5.1	5.3	23	214	146	1,650	552	32	244	9.8	25
15	43	5.4	5.6	23	184	131	3,350	552	59	220	9.5	21
16	34	5.0	5.6	23	136	116	6,950	552	109	126	9.1	19
17	27	4.7	5.4	24	111	105	12,700	488	94	78	8.7	18
18	23	4.6	5.3	28	96	266	10,700	386	68	57	8.4	16
19	20	4.4	5.0	36	156	632	8,180	274	53	45	8.0	14
20	17	4.2	4.8	42	208	682	6,050	208	47	38	10	13
21	13	4.0	5.1	40	226	880	4,180	161	53	32	10	12
22	11	4.2	6.1	31	238	880	2,590	125	87	27	11	11
23	10	4.2	6.9	26	344	900	1,680	100	288	24	25	9.8
24	9.6	4.4	7.3	25	472	980	1,180	100	295	21	24	9.5
25	9.5	4.4	7.5	27	536	1,020	880	123	268	19	42	9.1
26	9.1	4.6	7.5	43	536	980	718	262	220	18	43	8.7
27	8.6	4.4	7.3	60	504	940	616	428	190	16	42	9.1
28	8.4	4.4	7.1	67	442	826	584	520	302	15	46	8.6
29	8.2	4.3	7.1	78	-----	600	568	790	337	14	46	7.7
30	7.8	4.2	7.7	95	-----	628	568	1,080	309	13	42	7.1
31	7.5	-----	8.6	122	-----	386	-----	1,080	-----	12	32	-----
TOTAL	1,232.7	151.4	181.3	983.0	6,235	14,589	74,970	15,267	5,584	3,491	666.5	829.6
MEAN	39.8	5.05	5.85	31.7	223	471	2,499	492	186	113	21.5	27.7
MAX	130	6.9	8.6	122	536	1,020	12,700	1,080	862	372	46	75
MIN	7.5	4.0	4.1	9.3	95	105	472	100	32	12	8.0	7.1
CFSM	.07	.009	.01	.05	.39	.82	4.33	.85	.32	.20	.04	.05
IN.	.08	.01	.01	.06	.40	.94	4.83	.98	.36	.23	.04	.05

CAL YR 1960- TOTAL 206,611.5 MEAN 565 MAX 13,400 MIN 4.0 CF5M .98 IN 13.32  
 MAY YR 1961 TOTAL 124,180.5 MEAN 340 MAX 12,700 MIN 4.0 CF5M .59 IN 8.00

2-3180 Little River near Adel, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7.7	2.1	1.9	22	175	863	1,110	271	6.8	5.2	9.3	7.0
2	8.0	1.8	2.4	21	193	806	1,960	123	6.4	4.9	6.0	6.5
3	7.6	1.8	2.0	22	205	812	3,050	12	6.3	6.8	4.6	6.0
4	6.9	1.8	2.1	26	221	887	3,360	11	6.3	8.2	7.8	5.5
5	6.5	1.9	2.4	27	243	877	2,870	45	6.2	6.8	7.4	8.5
6	6.0	1.9	1.7	31	226	864	2,440	70	5.5	6.1	4.6	17
7	5.9	1.9	.70	35	176	879	2,040	68	5.6	5.4	3.6	28
8	5.6	2.0	.70	62	148	908	1,640	49	6.6	14	3.2	63
9	5.5	2.0	.70	93	130	890	1,350	14	6.8	16	2.6	29
10	4.8	1.9	7.0	90	121	789	1,180	8 2	7.0	7.4	2.2	16
11	4.4	1.8	1.9	74	118	642	1,020	8.2	7.2	6.0	1.8	8.9
12	4.4	1.8	1.0	66	120	552	952	8.2	7.5	5.4	1.3	5.8
13	4.0	1.8	1.8	61	119	495	982	8 2	7.7	5.7	.90	4.9
14	3.9	1.8	1.1	56	116	475	1,010	55	7.4	10	.60	5.4
15	3.6	1.8	17	52	115	632	940	163	7.7	10	.40	4.5
16	3.4	1.8	7.1	48	126	877	837	151	7.1	9.0	.30	3.8
17	3.2	1.8	8.6	47	182	1,090	795	134	6.4	7.0	3.4	4.3
18	3.0	1.9	18	48	251	1,100	756	92	5.9	6.4	3.5	3.9
19	3.1	1.9	17	48	137	968	749	28	5.8	6.5	2.2	3.5
20	3.1	1.8	17	45	27	811	635	19	5.7	5.4	1.4	3.5
21	2.6	1.7	26	45	613	714	468	15	5.7	5.4	.80	5.6
22	2.6	1.7	26	44	878	645	358	12	6.1	5.6	.50	3.7
23	2.6	2.8	20	51	1,080	577	288	11	6.0	5.5	2.0	6.5
24	2.6	2.7	16	48	1,340	519	242	9.6	5.7	5.4	14	8.2
25	2.6	2.5	15	48	1,460	502	204	8.7	5.6	5.4	11	5.1
26	2.4	2.5	14	50	1,450	495	172	7.9	5.6	5.4	9.2	4.0
27	2.1	2.2	14	52	1,240	900	149	7.0	5.3	5.1	14	14
28	2.1	2.3	14	59	1,020	516	130	6.4	5.3	6.1	11	9.2
29	2.0	2.2	13	100	-----	484	108	6.8	5.3	18	8.6	5.8
30	2.0	1.8	13	160	-----	454	121	8.9	5.3	169	7.5	6.6
31	2.0	-----	17	175	-----	496	-----	7.5	-----	121	6.5	-----
TOTAL	126.2	59.7	300.10	1,806	12,230	22,119	31,916	1,438.6	187.8	504.1	150.20	303.7
MEAN	4.07	1.99	9.68	58.3	437	714	1,064	46.4	6.26	16.3	4.85	10.1
MAX	8.0	2.8	26	175	1,460	1,100	3,360	271	7.7	169	14	63
MIN	2.0	1.7	.70	21	27	454	108	6.4	5.3	4.9	.30	3.5
CFSM	.007	.003	.02	.10	.76	1.24	1.84	.08	.01	.03	.008	.02
IN.	.008	.004	.02	.12	.79	1.43	2.06	.09	.01	.03	.01	.02

CAL YR 1961 TOTAL 123,101.10 MEAN 337 MAX 12,700 MIN .70 CFSM .58 IN 7.93  
 WAT YR 1962 TOTAL 71,141.40 MEAN 195 MAX 3,360 MIN .30 CFSM .34 IN 4.59

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.3	2.1	136	68	472	1,100	512	112	334	990	602	26
2	217	1.6	118	57	472	1,100	476	140	364	930	494	18
3	141	.90	76	54	520	1,200	460	251	316	930	440	13
4	6.5	1.0	59	52	584	1,200	440	440	74	728	354	10
5	38	1.8	57	51	638	1,000	420	449	258	512	176	9.4
6	24	.60	46	51	728	900	400	440	181	458	168	9.4
7	19	.80	38	53	872	464	400	384	144	422	58	9.4
8	16	.80	51	55	1,010	550	334	79	374	374	1.9	9.4
9	22	5.3	61	53	1,050	700	650	179	40	394	1.4	9.4
10	30	10	59	50	1,030	650	600	147	28	404	.70	7.7
11	40	5.4	56	47	990	650	550	260	27	422	.50	7.0
12	34	8.4	55	106	930	600	550	287	9.4	839	.50	6.5
13	30	16	25	238	890	600	480	155	12	1,330	.50	5.5
14	24	6.1	33	232	836	650	440	92	3.1	1,480	.50	5.0
15	22	4.3	36	184	782	1,390	400	92	1.0	1,270	149	4.6
16	18	4.3	38	156	746	3,300	440	167	.5	782	324	4.2
17	15	4.3	38	141	746	3,310	420	242	75	530	104	3.8
18	12	.6.3	36	156	800	2,250	220	242	81	476	63	3.6
19	10	7.7	34	184	872	1,630	180	154	27	458	68	3.2
20	9.0	7.7	32	460	872	1,240	150	97	21	422	85	3.0
21	7.5	11	32	1,240	746	1,030	130	81	20	364	47	3.2
22	6.7	34	32	1,220	620	854	110	60	33	344	.10	3.2
23	9.8	15	32	970	620	728	90	46	208	364	90	3.4
24	13	14	30	854	674	566	75	46	836	431	87	3.6
25	4.5	21	34	818	850	602	58	95	1,220	458	48	3.6
26	4.7	26	60	872	900	566	49	137	1,780	476	42	3.8
27	3.6	23	100	854	950	530	39	173	2,250	494	40	5.3
28	2.8	14	94	746	1,000	530	33	242	1,930	494	36	7.0
29	2.6	16	85	638	-----	548	28	287	1,510	620	30	119
30	2.4	61	78	536	-----	548	43	314	1,220	890	28	107
31	4.7	-----	82	488	-----	530	-----	279	-----	890	28	-----
TOTAL	851.8	333.00	1,741	11,744	22,200	32,052	9,453	6,444	13,382.0	19,976	3,567.10	427.2
MEAN	27.5	11.1	56.2	379	724	1,034	315	208	444	644	115	14.2
MAX	217	61	146	1,460	1,050	3,310	650	449	2,250	1,480	602	119
MIN	2.4	.40	25	47	472	530	28	46	.50	344	.10	3.0
CFSM	.05	.02	.10	.66	1.37	1.79	.55	.36	.77	1.12	.20	.02
IN.	.05	.02	.11	.76	1.43	2.07	.61	.42	.86	1.29	.23	.03

CAL YR 1962 TOTAL 73,581.20 MEAN 202 MAX 3,360 MIN .30 CFSM .35 IN 4.74  
 WAT YR 1963 TOTAL 122,171.10 MEAN 335 MAX 3,310 MIN .10 CFSM .58 IN 7.87

## 2-3180 Little River near Adel, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	130	.10	8.0	107	1,240	5,160	1,030	2,520	0	344	2,300	384
2	170	.20	8.5	151	1,190	4,440	890	3,060	0	458	1,690	269
3	200	.30	9 0	200	1,070	4,700	764	5,940	0	512	1,240	203
4	180	.50	9.5	242	1,030	6,680	638	6,600	0	638	970	164
5	165	.80	10	296	1,010	5,940	548	5,160	0	620	818	153
6	132	1.5	11	334	1,120	5,940	494	4,050	18	638	836	111
7	93	2.6	12	384	1,270	6,180	692	2,900	38	800	818	75
8	69	4.8	13	440	1,660	4,840	2,430	2,160	54	566	814	48
9	24	5.0	16	718	2,080	3,540	4,310	1,640	47	324	890	98
10	43	5.5	19	1,640	2,200	2,580	4,570	1,140	28	214	930	65
11	35	6.0	22	2,720	2,120	2,040	4,180	354	12	203	1,070	18
12	29	6.0	26	3,790	1,930	1,750	3,310	674	74	181	1,010	476
13	20	6 0	31	4,700	1,750	1,540	2,400	544	29	164	910	872
14	16	6.0	56	6,180	1,570	1,360	1,900	548	19	187	1,760	1,120
15	12	6 0	73	6,050	1,360	1,300	1,540	530	0	189	2,400	1,220
16	9 5	6 0	98	4,840	1,190	1,300	1,270	476	0	194	2,160	1,220
17	7.0	6 0	123	4,570	1,070	1,270	1,160	422	3.8	192	1,720	1,190
18	5.5	6.0	143	4,440	1,760	1,420	1,160	29	160	242	1,480	1,120
19	4.0	6.0	151	4,440	1,700	1,450	1,160	8.4	13	476	1,780	930
20	3 0	6 0	140	4,180	4,310	1,390	1,070	47	13	818	1,330	656
21	2.2	6.0	120	3,660	4,700	1,270	930	21	12	990	1,050	440
22	1.6	10.5	103	3,310	4,050	1,160	746	17	0	1,050	1,810	305
23	1.2	6.5	92	2,720	1,050	956	95	4.6	0	1,050	1,840	234
24	.90	6.5	87	2,200	2,540	970	512	93	0	1,270	1,810	182
25	.70	7.0	86	1,640	2,080	872	494	42	0	1,450	1,690	141
26	.50	7.0	83	1,600	1,810	1,280	458	0	0	1,600	1,480	118
27	.40	7.5	81	1,480	1,900	1,780	449	0	33	1,420	1,140	100
28	.30	7.5	80	1,420	3,660	1,370	530	0	3.0	1,750	910	83
29	.20	7.5	80	1,330	4,840	1,670	1,480	0	23	2,120	818	73
30	.20	7.5	79	1,240	-----	1,630	3,000	0	166	2,900	728	61
31	.10	-----	85	1,220	-----	1,240	-----	-----	-----	3,200	566	-----
TOTAL	1,385.30	150.80	1,955.0	72,442	63,230	79,812	44,681	40,131.4	619.4	26,760	40,772	12,149
MEAN	44.7	5.03	63.1	2,337	2,180	2,575	1,689	1,295	20.6	863	1,315	405
MAX	200	7.5	151	6,140	4,840	6,680	4,570	6,800	166	3,200	2,400	1,240
MIN	.10	-----	8.0	107	1,010	872	449	0	0	164	566	18
CFSM	.08	.009	.11	4.05	4.78	4.46	2.28	2.24	.04	1.50	2.28	.70
IN.	.09	.01	.13	4.67	4.08	5.14	2.88	2.59	.04	1.72	2.63	.78

CAL YR 1963 TOTAL 122,736.40 MEAN 336 MAX 3,310 MIN 10 CFSM .58 IN 7.91  
WAT YR 1964 TOTAL 334,087.90 MEAN 1,049 MAX 6,600 MIN 0 CFSM 1.82 IN 24.76

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	48	236	248	2,590	1,060	1,900	3,150	625	.7	1,510	219	39
2	67	220	248	1,900	973	2,300	4,270	500	0	1,240	139	33
3	100	204	248	1,410	951	2,930	2,350	355	.7	1,060	97	28
4	333	167	3,380	1,130	951	3,920	1,950	270	3.8	883	73	24
5	568	170	4,800	973	929	4,350	1,730	214	18	654	91	21
6	415	160	5,250	885	973	4,060	1,650	170	12	494	211	18
7	432	156	4,060	805	1,650	3,070	1,530	134	1.0	360	92	49
8	566	147	3,150	745	2,350	2,300	1,390	112	.8	319	115	90
9	625	138	2,350	665	2,860	1,690	1,220	96	1.9	312	290	68
10	568	129	2,250	625	2,860	1,360	1,100	76	1.5	312	341	52
11	449	124	1,850	585	2,720	1,220	951	67	18	397	239	42
12	314	124	1,440	568	2,530	1,150	785	61	53	483	275	34
13	231	120	1,740	568	3,000	1,130	645	51	65	579	329	28
14	264	116	2,720	551	3,920	1,280	551	42	147	617	258	24
15	1,220	116	2,790	534	5,100	1,470	466	39	395	721	187	20
16	2,150	112	2,150	500	5,580	1,470	415	41	1,020	864	182	23
17	2,530	112	1,590	449	5,700	1,390	362	11	2,240	708	209	26
18	2,530	112	1,330	432	5,450	1,500	320	25	3,590	481	340	25
19	2,350	108	1,130	432	5,100	1,440	308	20	3,280	319	370	20
20	2,100	147	995	432	4,800	1,560	466	17	2,330	228	192	27
21	1,730	160	865	415	4,350	2,260	605	15	1,540	175	94	33
22	1,360	182	785	400	3,640	3,250	705	23	1,030	181	76	25
23	995	162	765	400	2,790	3,370	765	21	652	357	134	20
24	685	192	785	905	2,200	2,860	805	1.7	419	267	198	19
25	483	253	805	1,390	2,470	2,350	765	2.9	317	171	129	19
26	392	275	907	2,100	2,590	1,770	765	1.7	372	133	86	27
27	334	275	1,060	2,530	2,470	1,500	805	4.1	718	122	76	55
28	294	294	1,150	2,650	2,250	1,650	885	3.7	1,600	94	75	112
29	270	301	2,720	2,410	-----	3,670	845	12	2,090	215	68	165
30	258	294	4,650	1,850	-----	6,000	725	23	1,880	203	53	147
31	248	-----	3,500	1,360	-----	4,350	-----	1.6	-----	260	44	-----
TOTAL	24,911	5,346	61,711	33,189	82,217	74,720	31,729	3,035.7	23,802.1	14,719	5,280	1,313
MEAN	804	178	1,991	1,071	2,936	2,410	1,058	97.9	793	475	170	43.8
MAX	2,530	401	5,250	2,650	5,700	6,000	3,150	625	3,590	1,510	370	165
MIN	48	108	248	400	929	1,130	308	1.6	.70	94	44	18
CFSM	1.39	.31	3.45	1.86	5.09	4.18	1.83	.17	1.38	.82	.30	.08
IN.	1.61	.34	3.98	2.14	5.50	4.82	2.05	.20	1.53	.95	.34	.08

CAL YR 1964 TOTAL 472,564.80 MEAN 1,291 MAX 6,800 MIN 0 CFSM 2.24 IN 30.46  
WAT YR 1965 TOTAL 361,972.80 MEAN 992 MAX 6,000 MIN .70 CFSM 1.72 IN 23.33

2-3190 Withlacoochee River near Pinetta, Fla

Location --Lat 30°35'43", long 83°15'35", in NW¼ sec 7, T 2 N, R 11 E, on right bank 30 ft downstream from highway bridge, 0.1 mile downstream from small tributary, 0.3 mile west of Bellville, and 5.6 miles east of Pinetta, Madison County

Drainage area --2,120 sq mi (revised), approximately

Records available --October 1931 to September 1965 Monthly discharge only for October and November 1931, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 47.21 ft above mean sea level (levels by Corps of Engineers) Prior to Dec 3, 1941, chain or wire-weight gage, and Dec 3, 1941, to Sept 30, 1963, graphic water-stage recorder at same site and datum

Average discharge --34 years, 1,640 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 23, 1961	20,700	32.59	Nov 20-24, 1960	148	6.71
1962	Apr 11, 1962	8,510	20.02	Many days	131	6.65
1963	Mar 23, 1963	4,500	13.85	Sept 26, 27, 1963	112	6.45
1964	May 7, 1964	21,600	33.01	Nov 15, 16, 1963	112	6.46
1965	Dec 9, 1964	34,500	35.57	Sept 26, 27, 1965	290	7.04

1931-65 Maximum discharge, 79,400 cfs Apr 5, 1948 (gage height, 38.64 ft from floodmarks), minimum, 70 cfs Aug 23, 1955 (gage height, 6.27 ft)

Maximum stage known, that of Apr 5, 1948 Flood in August 1928 reached a stage of 36.75 ft, from floodmarks (discharge, 53,600 cfs)

Remarks --Records good except those for period of indefinite stage-discharge relation, which are fair. Records of chemical analyses for the water years 1962, 1965 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 972 1941-42

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	783	248	164	360	1,240	3,840	2,860	3,330	2,660	748	216	818
2	731	240	160	354	1,170	3,720	2,960	2,520	2,390	771	208	871
3	646	228	160	568	1,120	3,570	2,400	2,200	2,120	777	204	794
4	598	212	156	498	1,070	3,360	1,990	1,990	1,890	800	204	630
5	564	208	156	435	1,020	3,090	1,810	1,880	1,600	818	208	520
6	532	208	164	386	961	2,770	1,780	1,810	1,240	788	208	468
7	516	200	164	356	943	2,440	1,870	1,770	931	725	212	500
8	536	192	164	339	973	2,110	2,020	1,680	736	702	212	621
9	630	184	164	331	1,000	1,840	2,170	1,540	625	658	228	674
10	668	184	172	335	1,020	1,630	2,340	1,470	548	663	252	708
11	636	172	176	335	1,000	1,490	2,370	1,450	500	685	268	702
12	607	168	212	327	973	1,340	2,480	1,440	460	708	252	584
13	568	168	196	344	937	1,230	3,690	1,430	440	641	264	540
14	540	164	208	564	907	1,130	4,580	1,420	420	576	316	492
15	516	164	220	889	877	1,050	5,140	1,400	388	528	316	448
16	476	164	244	961	841	979	5,820	1,400	376	512	292	412
17	440	164	276	913	806	919	6,500	1,380	368	532	256	380
18	396	160	264	806	765	877	7,300	1,300	392	556	232	352
19	368	156	260	725	759	1,450	9,020	1,210	416	548	224	320
20	348	148	252	674	1,030	2,730	12,100	1,100	444	544	228	292
21	328	148	256	641	1,430	3,830	17,000	955	696	500	296	276
22	312	148	256	609	1,670	4,860	19,800	818	1,260	466	428	264
23	300	148	252	578	1,860	5,650	20,500	742	1,450	408	460	248
24	300	148	248	549	2,610	5,900	19,500	719	1,230	366	376	236
25	304	164	240	530	3,190	5,660	18,000	663	967	328	372	224
26	300	172	236	549	3,600	5,230	15,700	731	919	304	408	228
27	300	200	232	901	3,840	4,670	13,000	1,300	913	284	630	256
28	296	192	220	1,200	3,900	4,060	10,700	2,040	865	272	777	284
29	280	184	212	1,320	-----	3,460	8,570	2,490	794	252	625	260
30	268	176	216	1,360	-----	2,880	5,530	2,730	736	236	598	248
31	260	-----	236	1,300	-----	2,430	-----	2,780	-----	224	636	-----
TOTAL	14,347	5,412	6,536	20,227	41,512	90,195	229,500	49,688	28,774	16,916	10,406	13,650
MEAN	463	180	211	652	1,483	2,910	7,160	1,603	959	546	336	455
MAX	783	248	276	1,360	3,900	5,900	20,500	3,330	2,660	818	777	871
MIN	260	148	156	327	759	877	1,780	663	368	224	204	224
CF5M	.22	.09	.10	.31	.70	1.37	3.61	.76	.45	.26	.16	.21
IN.	.25	.09	.11	.35	.73	1.58	4.03	.87	.50	.30	.18	.24
CAL YR 1960	TOTAL 764,035			MEAN 2,088			MAX 29,400	MIN 148	CF5M .98	IN 13.40		
WAT YR 1961	TOTAL 527,163			MEAN 1,444			MAX 20,500	MIN 148	CF5M .68	IN 9.25		

2-3190 Withlacoochee River near Pinetta, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	236	134	144	254	655	2,110	3,230	726	214	196	550	234	
2	216	134	139	270	635	2,250	5,130	655	250	178	666	214	
3	212	136	139	278	625	2,650	5,900	615	250	166	682	206	
4	204	131	139	278	615	2,620	6,400	625	222	166	550	196	
5	196	131	139	270	610	2,740	6,910	610	192	203	465	192	
6	188	147	139	366	610	2,530	7,340	515	189	203	406	189	
7	184	163	136	942	605	2,340	7,620	460	200	234	452	203	
8	180	163	134	1,020	595	2,200	7,860	424	250	330	465	238	
9	176	163	131	886	585	2,130	8,100	406	234	535	411	322	
10	156	160	139	782	555	2,090	8,340	416	230	434	357	470	
11	144	153	139	737	525	2,020	8,490	375	270	339	352	501	
12	141	147	144	671	506	1,930	8,390	352	246	278	306	565	
13	144	144	169	620	478	1,820	8,040	326	246	230	266	535	
14	164	141	298	595	465	1,690	7,400	302	270	200	226	488	
15	168	141	298	570	452	1,690	6,380	286	270	186	206	447	
16	160	141	274	540	465	2,210	4,950	274	242	178	203	393	
17	156	139	258	501	550	2,410	3,790	258	210	172	294	352	
18	153	141	262	470	610	2,490	3,140	250	192	182	318	310	
19	150	141	318	438	660	2,470	2,760	298	186	175	286	302	
20	147	139	375	420	912	2,450	2,450	326	182	172	246	258	
21	147	136	366	393	1,310	2,500	2,190	318	160	258	222	222	
22	144	134	330	375	1,460	2,580	1,960	298	160	210	203	203	
23	141	163	310	366	1,430	2,630	1,770	270	163	182	200	226	
24	141	186	290	362	1,440	2,530	1,550	250	182	172	318	262	
25	139	234	270	366	1,600	2,260	1,330	242	182	156	545	222	
26	139	203	250	366	1,780	1,950	1,170	234	172	160	525	254	
27	136	178	242	370	1,920	1,690	1,050	226	160	160	465	388	
28	136	169	238	452	2,040	1,550	960	218	160	156	402	520	
29	136	160	238	635	-----	1,460	879	218	186	160	370	434	
30	136	150	242	704	-----	1,390	788	214	206	420	318	348	
31	134	-----	242	698	-----	1,430	-----	206	-----	575	270	-----	
TOTAL	5,004	4,002	6,932	15,995	24,693	67,010	136,267	11,193	6,276	7,366	11,545	9,694	
MEAN	161	153	224	516	802	2,162	4,542	361	209	238	372	323	
MAX	236	234	375	1,020	2,040	2,820	8,490	726	270	575	682	565	
MIN	134	131	131	254	452	1,390	788	206	160	156	200	189	
CFSM	.08	.07	.11	.24	.42	1.02	2.14	.17	.10	.11	.18	.15	
IN-	.07	.08	.12	.28	.43	1.18	2.39	.20	.11	.13	.20	.17	
CAL YR 1961	TOTAL 517,406			MEAN 1,418		MAX 20,500		MIN 131		CFSM .67		IN 9.08	
WAT YR 1962	TOTAL 306,577			MEAN 840		MAX 8,490		MIN 131		CFSM .40		IN 5.38	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

GAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	
1	298	153	298	693	2,450	2,990	1,720	286	605	2,840	936	182	
2	278	147	366	635	2,070	3,070	1,620	411	620	3,200	967	182	
3	250	147	384	580	1,860	3,180	1,530	545	645	3,350	995	182	
4	242	147	384	535	1,860	3,240	1,430	605	715	3,140	918	206	
5	230	144	460	492	1,930	3,220	1,300	640	742	2,530	770	200	
6	294	139	496	460	2,160	3,140	1,190	688	737	1,920	666	206	
7	434	139	452	442	2,550	3,070	1,100	770	704	1,530	590	196	
8	388	141	402	442	2,330	2,990	1,000	812	610	1,250	496	172	
9	352	153	370	434	3,050	2,860	1,000	806	501	1,180	452	160	
10	306	153	334	429	3,250	2,650	1,090	759	429	1,040	429	153	
11	286	153	314	420	3,460	2,450	1,180	660	366	918	370	144	
12	262	160	306	515	3,760	2,270	1,300	555	310	844	326	139	
13	238	156	310	770	4,080	2,130	1,380	465	266	830	286	136	
14	226	147	318	1,000	4,170	2,200	1,360	465	230	851	262	131	
15	210	144	314	1,150	4,010	2,450	1,280	474	214	936	250	128	
16	203	144	310	1,180	3,680	2,610	1,170	424	210	1,110	294	128	
17	200	144	286	1,170	3,340	2,610	1,050	357	200	1,360	344	126	
18	200	147	270	1,120	3,040	2,710	912	366	206	1,580	496	123	
19	192	150	262	1,050	2,900	2,970	788	457	196	1,550	595	123	
20	189	153	258	1,050	3,020	3,370	698	492	210	1,290	474	123	
21	192	160	258	1,580	3,080	3,810	620	478	218	1,120	357	123	
22	196	169	254	2,200	2,990	4,200	635	434	258	1,230	306	118	
23	192	175	250	2,550	2,790	4,450	565	384	246	1,320	286	116	
24	192	186	246	2,820	2,690	4,410	465	348	406	1,280	322	115	
25	178	172	242	3,150	3,050	3,810	411	330	570	1,420	322	113	
26	169	156	250	3,580	3,330	2,830	375	314	688	1,360	282	113	
27	160	153	318	4,030	3,250	2,270	334	290	1,080	1,220	262	113	
28	153	150	535	4,240	3,070	2,120	310	286	1,470	1,160	246	118	
29	153	163	671	4,100	-----	2,080	290	339	1,860	1,070	214	182	
30	153	206	688	3,670	-----	1,970	278	411	2,320	988	196	310	
31	153	-----	698	3,040	-----	1,820	-----	510	-----	942	182	-----	
TOTAL	7,169	4,651	11,304	49,527	83,710	89,950	28,381	15,156	17,832	46,359	13,891	4,561	
MEAN	231	155	365	1,582	2,604	2,902	916	489	594	1,495	448	152	
MAX	434	206	698	4,240	4,170	4,450	1,720	812	2,320	3,350	995	310	
MIN	153	139	242	420	1,860	1,820	278	286	196	830	182	113	
CFSM	.11	.07	.17	.75	1.41	1.37	.45	.23	.28	.71	.21	.07	
IN-	.13	.08	.20	.87	1.47	1.58	.50	.27	.31	.81	.24	.08	
CAL YR 1962	TOTAL 313,163			MEAN 858		MAX 8,490		MIN 139		CFSM .40		IN 5.49	
WAT YR 1963	TOTAL 372,491			MEAN 1,021		MAX 4,450		MIN 113		CFSM .48		IN 6.53	

2-3190 Withlacoochee River near Pinetta, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	276	117	150	375	5,550	11,500	6,140	7,390	639	1,110	5,900	2,470
2	408	120	145	391	4,630	12,600	6,380	8,300	605	1,270	6,370	1,890
3	488	117	142	421	4,060	14,100	6,300	11,400	569	1,820	6,580	1,980
4	574	118	136	479	3,690	15,500	5,840	14,700	535	2,100	6,560	1,320
5	619	123	133	547	3,460	16,700	4,930	18,600	504	2,370	6,430	1,120
6	595	125	131	624	3,400	17,800	3,740	20,900	533	2,680	6,200	985
7	530	123	132	723	3,410	19,300	2,850	21,600	1,370	2,850	5,770	884
8	461	120	134	970	3,370	20,800	2,400	21,100	1,900	2,840	5,020	801
9	394	117	133	1,450	3,370	21,000	2,240	20,100	1,810	2,710	3,960	732
10	332	119	130	1,820	3,470	19,800	2,290	18,800	1,540	2,550	3,470	704
11	279	119	129	2,060	3,630	18,600	2,550	17,200	1,320	2,280	3,360	860
12	240	116	135	2,510	3,820	17,200	3,060	15,200	1,150	1,980	3,520	1,870
13	211	114	131	3,280	4,370	15,500	3,860	12,900	1,010	1,580	3,960	3,120
14	189	114	131	3,930	4,320	13,500	4,690	10,800	963	1,400	4,510	3,610
15	176	113	130	4,590	4,560	12,000	5,430	8,220	967	1,300	4,700	3,790
16	168	113	393	5,250	4,740	10,600	5,940	5,070	981	1,170	4,570	3,880
17	163	114	513	6,020	4,750	9,240	6,180	3,330	1,030	1,080	4,070	4,020
18	153	115	564	6,720	4,710	7,730	6,060	2,590	995	1,130	3,630	4,280
19	151	116	591	7,510	4,860	6,280	5,280	2,140	813	1,760	3,580	4,380
20	145	116	588	8,780	5,140	5,390	4,030	1,820	644	2,160	3,730	4,730
21	138	117	552	9,970	5,480	4,980	2,900	1,500	572	2,200	3,840	4,560
22	133	118	521	10,700	5,930	4,650	2,480	1,260	550	2,200	3,940	4,040
23	130	125	510	11,000	6,610	4,340	2,260	1,130	505	2,270	3,200	3,200
24	129	129	479	11,100	7,300	4,060	2,050	1,030	469	2,360	4,370	2,310
25	128	127	442	10,900	8,060	3,760	1,800	950	434	2,580	4,170	1,690
26	125	139	410	10,400	8,860	3,550	1,540	905	432	2,960	4,040	1,330
27	124	144	391	9,770	9,470	3,610	1,500	864	511	3,380	4,370	1,130
28	124	148	376	9,100	9,100	4,010	1,417	845	3,780	4,730	1,000	1,000
29	120	157	364	8,370	10,900	4,410	5,340	757	672	4,140	4,790	918
30	116	150	346	7,600	-----	4,880	6,650	704	1,030	4,640	4,380	951
31	115	-----	350	6,630	-----	5,580	-----	673	-----	5,250	3,470	-----
TOTAL	7,933	5,703	9,984	163,990	155,820	333,190	120,070	252,770	25,598	73,900	142,260	68,455
MEAN	123	123	322	5,290	5,373	10,750	4,002	8,154	428	1,286	4,589	2,279
MAX	619	157	593	11,000	10,900	21,000	6,650	21,600	1,900	5,250	6,580	4,730
MIN	115	113	129	375	3,370	3,550	1,500	673	432	1,080	3,360	704
CFSM	12	12	12	12	12	12	12	12	12	12	12	12
IN.	14	14	14	14	14	14	14	14	14	14	14	14
CAL YR 1963	TOTAL	370,987	MEAN	1,016	MAX	4,450	MIN	113	CFSM	1.48	IN	6.51
WAT YR 1964	TOTAL	1,357,573	MEAN	3,709	MAX	21,600	MIN	113	CFSM	1.75	IN	23.82

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,010	1,680	1,410	5,380	5,540	9,560	7,840	6,490	374	3,860	1,590	458
2	1,020	1,560	1,390	5,360	5,790	9,770	7,890	5,900	359	4,010	1,670	462
3	988	1,450	1,360	5,490	5,910	10,700	8,100	5,080	351	4,150	1,530	455
4	1,140	1,560	2,260	5,770	5,770	11,100	8,630	4,920	349	4,720	1,370	347
5	1,490	1,290	5,290	6,050	5,880	11,300	9,400	3,070	346	3,960	1,270	411
6	1,860	1,220	7,760	6,120	4,780	11,600	9,680	2,320	343	3,440	1,200	388
7	2,220	1,160	13,100	5,790	4,530	11,900	9,310	1,850	341	2,880	1,050	366
8	2,560	1,120	23,800	4,970	5,110	11,900	8,630	1,570	334	2,550	932	347
9	2,790	1,070	32,800	3,950	5,620	11,600	7,800	1,370	339	2,470	1,030	339
10	2,870	1,030	30,700	3,270	6,100	11,300	6,930	1,220	340	2,670	1,080	349
11	2,830	963	25,300	2,980	6,710	11,000	5,960	1,110	370	2,640	1,180	370
12	2,700	945	21,600	2,840	7,310	10,500	5,230	1,010	443	2,550	1,900	409
13	2,450	906	19,100	2,650	7,910	9,820	4,450	916	466	2,640	2,290	396
14	2,190	868	17,100	2,490	8,740	9,030	3,730	834	638	3,100	2,590	363
15	3,210	842	14,800	2,360	9,810	8,030	3,080	764	1,410	3,580	2,900	354
16	4,830	823	12,700	2,280	11,100	6,790	2,550	710	3,320	3,650	2,990	345
17	5,670	804	11,200	2,180	12,700	5,690	2,140	665	4,820	4,510	2,820	324
18	6,260	785	10,300	2,090	14,600	5,080	1,870	627	6,400	3,310	2,480	341
19	6,930	766	9,870	2,000	16,000	5,190	1,670	596	7,720	3,090	2,190	328
20	7,490	791	9,910	1,910	16,600	6,330	1,760	567	9,110	2,890	1,960	415
21	7,910	868	9,960	1,840	16,700	7,310	1,960	541	10,100	2,550	1,760	311
22	8,210	1,000	9,740	1,790	16,000	7,950	2,040	518	10,300	2,020	1,540	303
23	8,330	1,090	9,200	1,750	15,000	8,500	2,090	497	10,100	1,570	1,250	307
24	8,240	1,100	8,350	1,960	13,900	9,660	2,190	477	9,510	1,300	988	311
25	7,910	1,170	7,120	2,620	13,000	9,310	2,290	460	8,810	1,200	820	298
26	7,260	1,260	5,740	3,020	12,100	9,210	2,980	446	7,900	1,180	717	294
27	6,000	1,310	5,340	3,420	11,300	9,120	4,670	435	6,580	1,210	684	311
28	4,040	1,350	5,660	3,860	10,400	8,820	5,990	421	4,960	1,160	632	363
29	2,640	1,370	5,740	4,330	-----	8,570	6,700	407	3,980	1,040	567	472
30	2,100	1,400	5,620	4,830	-----	9,230	6,790	397	3,850	1,030	510	564
31	1,850	-----	5,490	5,240	-----	7,960	-----	392	-----	1,220	469	-----
TOTAL	126,978	33,381	349,690	110,590	274,580	282,250	154,440	45,750	114,263	80,630	45,959	11,087
MEAN	4,096	1,113	11,280	3,567	9,808	9,105	5,148	1,476	3,809	2,601	1,483	370
MAX	8,560	1,600	32,800	6,120	16,700	11,900	9,680	6,490	10,300	4,200	2,990	564
MIN	988	766	1,360	1,750	4,530	5,080	1,670	342	334	1,030	469	294
CFSM	1.93	.52	5.32	1.68	4.63	4.29	2.43	.70	1.80	1.23	.70	.17
IN.	2.23	.59	6.13	1.94	4.82	4.95	2.71	.88	2.00	1.41	.81	.19
CAL YR 1964	TOTAL	1,846,002	MEAN	5,044	MAX	32,800	MIN	375	CFSM	2.38	IN	32.38
WAT YR 1965	TOTAL	1,629,598	MEAN	4,465	MAX	32,800	MIN	294	CFSM	2.11	IN	28.59

Note --Indefinite stage-discharge relation Feb 22 to Apr 11 caused by backwater from Suwannee River

## 2-3195 Suwannee River at Ellaville, Fla

Location --Lat 30°23'04", long 83°10'19", in NE 1/4 sec 24, T 1 S, R 11 E, on left bank at Ellaville, Suwannee County, 100 ft upstream from Seaboard Air Line Railroad bridge, 200 ft downstream from Withlacoochee River, and 900 ft upstream from bridge on U S Highway 90

Drainage area --6,850 sq mi (revised), approximately, (includes part of watershed in Okefenokee Swamp which is indeterminate)

Records available --January 1927 to September 1965

Gage --Digital water-stage recorder Datum of gage is 27 22 ft above mean sea level, datum of 1929 Prior to June 20, 1932, staff gage and June 20, 1932, to Sept 30, 1963, graphic water-stage recorder, at same site and datum Since Nov 8, 1955 auxiliary staff gage 1 1 miles downstream

Average discharge --38 years, 6,493 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 27, 1961	25,100	23 62	Dec 13-15, 1960	a 2,210	b 2 92
1962	Apr 13, 1962	21,000	20 41	Dec 11,12, 1961	1,690	2 40
1963	Mar 7, 1963	13,000	13 28	Sept 26-28, 1963	1,380	c 2 16
1964	May 11, 1964	33,800	29 67	Dec 11,12, 1963	1,190	d 1 86
1965	Mar 10, 1965	31,800	27 82	Sept 27, 1965	3,510	3 87

a Minimum daily b Occurred Dec 28-30, 1960 c Occurred Nov 29, 1962

d Occurred Dec 10, 11, 1963

1927-65 Maximum discharge, 95,300 cfs Apr 7, 8, 1948 (gage height, 40 88 ft, from flood-marks), minimum 882 cfs July 17, 1955 (gage height, 1 69 ft)

Remarks --Records good Since Nov 7, 1953, slight regulation at low water caused by diversions above control 0 7 mile downstream from gage by a steam-electric powerplant for cooling of condensers Total diverted flow is returned to river below control Records include flow of large spring on left bank about 200 ft downstream, spring flow may reverse during high stages

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7,030	4,920	2,510	2,450	5,670	9,330	7,660	22,200	7,060	4,630	3,280	6,690
2	7,270	4,670	2,460	2,700	5,650	9,410	7,810	21,200	6,860	4,880	3,160	7,140
3	7,380	4,570	2,420	2,740	5,610	9,420	7,740	20,300	6,610	5,020	3,020	7,170
4	7,460	4,410	2,400	2,790	5,600	9,370	7,460	19,400	6,360	5,070	2,990	7,480
5	7,530	4,290	2,370	2,750	5,600	9,250	7,170	18,500	6,060	4,950	2,900	7,510
6	7,600	4,120	2,340	2,680	5,570	9,060	6,980	17,600	5,690	4,720	2,810	7,520
7	7,770	3,990	2,310	2,620	5,570	8,770	6,920	16,800	5,230	4,550	2,720	7,560
8	8,040	3,840	2,290	2,600	5,750	8,480	6,950	16,100	4,800	4,430	2,640	7,690
9	8,410	3,730	2,270	2,560	6,040	8,100	7,110	15,300	4,570	4,300	2,590	7,830
10	8,750	3,640	2,260	2,530	6,230	7,710	7,280	14,600	4,300	4,140	2,590	7,900
11	8,880	3,500	2,240	2,510	6,330	7,340	7,480	13,800	4,140	4,060	2,680	7,980
12	8,840	3,460	2,230	2,510	6,410	7,010	7,760	13,100	3,970	4,100	3,020	7,970
13	8,860	3,350	2,210	2,510	6,450	6,700	8,560	12,300	3,810	4,120	3,260	7,940
14	8,790	3,290	2,210	2,720	6,480	6,410	9,740	11,500	3,700	4,190	3,300	7,930
15	8,700	3,210	2,210	3,280	6,470	6,140	10,600	10,800	3,620	4,060	3,180	7,850
16	8,580	3,120	2,270	3,930	6,420	5,930	11,500	10,100	3,530	3,930	3,020	7,710
17	8,430	3,040	2,320	4,300	6,320	5,700	12,500	9,520	3,530	3,810	2,900	7,530
18	8,260	2,990	2,330	4,380	6,220	5,520	13,500	8,700	3,630	3,750	2,770	7,320
19	8,060	2,940	2,340	4,380	6,080	5,500	14,700	8,480	3,750	3,740	2,670	7,080
20	7,850	2,870	2,340	4,320	6,030	6,120	16,500	8,010	3,790	3,700	2,610	6,800
21	7,600	2,840	2,340	4,300	6,140	6,990	18,500	7,560	3,820	3,720	2,590	6,500
22	7,360	2,790	2,340	4,260	6,360	7,840	20,200	7,090	3,990	3,870	2,660	6,210
23	7,100	2,760	2,340	4,210	6,550	8,590	21,700	6,690	4,740	4,050	2,770	5,930
24	6,850	2,710	2,320	4,190	7,030	9,080	23,200	6,350	5,290	4,100	2,730	5,630
25	6,590	2,670	2,310	4,060	7,800	9,260	24,300	6,040	5,220	4,100	3,060	5,330
26	6,357	2,660	2,290	4,100	8,360	9,250	24,900	5,850	4,880	4,000	3,870	5,030
27	6,120	2,640	2,270	4,210	8,830	9,160	25,100	5,900	4,600	3,850	4,600	4,760
28	5,930	2,620	2,260	4,660	9,160	8,940	24,900	6,430	4,470	3,790	5,420	4,570
29	5,690	2,590	2,230	5,110	-----	8,620	24,300	6,870	4,380	3,650	5,730	4,400
30	5,420	2,540	2,230	5,420	-----	8,260	23,400	7,110	4,380	3,480	6,010	4,240
31	5,160	-----	2,320	5,600	-----	7,880	-----	7,160	-----	3,330	6,250	-----
TOTAL	232,700	100,840	71,580	111,380	180,730	245,140	416,420	361,630	140,780	128,090	103,800	203,400
MEAN	7,506	3,361	2,309	3,593	6,455	7,908	13,880	11,670	4,693	4,132	3,348	6,780
MAX	8,890	4,920	2,510	5,600	9,160	9,420	25,100	22,200	7,060	5,070	6,250	7,980
MIN	5,160	2,540	2,210	2,450	5,570	5,500	6,920	5,850	3,530	3,330	2,590	4,240
CFSM	1.14	.51	.35	.55	.98	1.20	2.11	1.77	.71	.63	.51	1.03
IN.	1.32	.57	.40	.63	1.02	1.39	2.35	2.04	.80	.72	.59	1.15
CAL YR 1960	TOTAL 3,012,470	MEAN 8,231	MAX 31,700	MIN 2,210	CFSM 1.25	IN 17.03						
MAT YR 1961	TOTAL 2,296,480	MEAN 6,292	MAX 25,100	MIN 2,210	CFSM .96	IN 12.98						

## 2-3195 Suwannee River at Ellaville, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,080	2,020	1,750	1,800	2,570	4,300	8,840	8,990	2,630	2,240	2,460	2,360
2	3,920	2,000	1,750	1,780	2,560	4,600	12,800	8,390	2,600	2,230	2,230	2,230
3	3,770	1,980	1,750	1,780	2,550	5,190	15,000	7,820	2,590	2,160	2,720	2,220
4	3,620	1,940	1,750	1,810	2,550	5,890	16,400	7,320	2,540	2,120	2,790	2,220
5	3,510	1,920	1,730	1,810	2,540	6,310	17,400	6,920	2,470	2,080	3,000	2,250
6	3,400	1,920	1,730	1,850	2,530	6,490	18,200	6,490	2,420	2,080	3,170	2,360
7	3,340	1,940	1,720	2,060	2,510	6,490	18,800	6,090	2,400	2,140	3,190	2,590
8	3,230	1,950	1,720	2,520	2,490	6,430	19,200	5,760	2,400	2,190	3,160	2,760
9	3,130	1,920	1,700	2,650	2,470	6,400	19,700	5,440	2,460	2,360	3,040	2,860
10	3,020	1,900	1,700	2,500	2,440	6,340	20,100	5,170	2,520	2,490	2,850	2,880
11	2,960	1,860	1,690	2,680	2,370	6,280	20,600	4,880	2,540	2,470	2,670	2,850
12	2,870	1,840	1,690	2,680	2,320	6,220	20,900	4,600	2,560	2,400	2,530	2,810
13	2,820	1,830	1,700	2,680	2,300	6,120	21,000	4,410	2,490	2,290	2,400	2,920
14	2,770	1,830	1,720	2,670	2,270	6,020	20,900	4,320	2,460	2,180	2,290	2,950
15	4,700	1,810	1,790	2,660	2,250	5,990	20,700	4,140	2,440	2,120	2,190	2,860
16	2,640	1,800	1,800	2,640	2,270	6,270	20,100	4,000	2,470	2,060	2,130	2,770
17	2,590	1,800	1,800	2,610	2,260	6,790	19,300	3,850	2,490	2,030	2,150	2,710
18	2,570	1,790	1,800	2,570	2,290	7,140	18,500	3,740	2,420	2,030	2,210	2,650
19	2,510	1,780	1,800	2,560	2,320	7,330	17,700	3,640	2,360	2,030	2,190	2,600
20	2,460	1,790	1,880	2,510	2,410	7,410	17,000	3,590	2,320	2,040	2,260	2,610
21	2,420	1,750	1,900	2,460	2,740	7,470	16,200	3,470	2,270	2,050	2,290	2,590
22	2,370	1,750	1,900	2,420	3,240	7,480	15,400	3,370	2,220	2,110	2,230	2,570
23	2,320	1,730	1,880	2,390	3,430	7,510	14,700	3,260	2,240	2,080	2,150	2,780
24	2,270	1,730	1,870	2,370	3,470	7,500	13,900	3,150	2,260	2,060	2,130	3,280
25	2,220	1,790	1,850	2,340	3,570	7,430	13,000	3,060	2,250	2,060	2,340	3,370
26	2,170	1,820	1,800	2,320	3,750	7,210	12,200	2,930	2,200	2,080	2,580	3,320
27	2,120	1,830	1,780	2,320	3,950	6,910	11,500	2,900	2,170	2,100	2,650	3,300
28	2,080	1,850	1,780	2,330	4,140	6,650	10,900	2,820	2,150	2,100	2,650	3,370
29	2,060	1,830	1,780	2,390	4,220	6,420	10,200	2,750	2,120	2,080	2,640	3,370
30	2,050	1,810	1,780	2,490	4,220	6,220	9,610	2,710	2,220	2,130	2,590	3,270
31	2,030	1,790	1,790	2,560	4,190	6,190	9,000	2,660	2,200	2,130	2,480	3,270
TOTAL	86,020	55,470	59,080	73,410	76,560	201,000	490,750	142,640	71,780	66,960	78,660	83,690
MEAN	2,775	1,757	1,873	2,368	2,469	6,484	16,345	4,439	2,333	2,160	2,537	2,700
MAX	4,080	2,020	1,900	2,700	4,140	7,510	21,000	8,990	2,630	2,490	3,190	3,370
MIN	2,030	1,730	1,690	1,780	2,250	4,300	8,840	2,660	2,150	2,030	2,130	2,220
CFSM	.42	.28	.27	.36	.42	.99	2.49	.70	.36	.33	.39	.42
IN.	.49	.31	.31	.41	.43	1.14	2.77	.81	.41	.38	.44	.47
CAL YR 1961	TOTAL 2,087,940	MEAN 5,720	MAX 25,100	MIN 1,690	CFSM .87	IN 11.80						
WAT YR 1962	TOTAL 1,482,020	MEAN 4,060	MAX 21,000	MIN 1,690	CFSM .62	IN 8.38						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,210	1,730	1,570	2,160	5,920	12,100	8,610	3,040	2,500	4,160	4,820	2,280
2	3,090	1,720	1,700	2,160	5,970	12,200	8,260	2,560	2,480	4,160	4,730	2,260
3	2,990	1,700	1,770	2,120	5,310	12,500	7,910	3,040	2,630	4,980	4,660	2,230
4	2,900	1,690	1,810	2,080	5,290	12,700	7,580	3,080	2,730	5,240	4,600	2,150
5	2,810	1,690	1,850	2,050	5,610	12,800	7,240	3,100	2,760	5,250	4,500	2,070
6	2,730	1,640	1,900	2,050	6,070	12,900	6,910	3,100	2,680	5,050	4,360	2,020
7	2,730	1,620	1,920	2,020	6,800	13,000	6,610	3,100	2,640	4,820	4,220	1,970
8	2,720	1,610	1,900	2,020	7,430	12,900	6,290	3,120	2,580	4,600	4,100	1,930
9	2,670	1,620	1,900	2,010	7,780	12,900	6,050	3,110	2,530	4,540	3,910	1,870
10	2,570	1,610	1,880	2,010	8,060	12,900	5,870	3,070	2,420	4,530	3,790	1,810
11	2,570	1,600	1,840	2,000	8,340	12,800	5,760	3,000	2,350	4,540	3,540	1,770
12	2,420	1,600	1,810	2,230	8,680	12,600	5,700	2,900	2,290	4,420	3,380	1,730
13	2,360	1,600	1,810	2,830	9,110	12,400	5,630	2,780	2,230	4,190	3,110	1,690
14	2,300	1,580	1,810	3,470	9,460	12,300	5,490	2,680	2,180	4,010	2,960	1,670
15	2,250	1,560	1,810	3,660	9,640	12,300	5,320	2,670	2,130	3,930	2,860	1,640
16	2,190	1,540	1,810	3,710	9,880	12,300	5,130	2,640	2,100	3,980	2,750	1,610
17	2,130	1,550	1,800	3,710	9,640	12,300	4,940	2,560	2,090	4,160	2,720	1,580
18	2,090	1,560	1,780	3,690	9,560	12,300	4,750	2,500	2,060	4,490	2,700	1,550
19	2,060	1,560	1,760	3,590	9,570	12,200	4,720	2,490	2,060	4,720	2,790	1,530
20	2,020	1,530	1,730	3,550	9,730	12,200	4,570	2,520	2,030	4,780	2,780	1,520
21	1,990	1,530	1,730	3,670	9,980	12,200	4,380	2,490	2,000	4,760	2,700	1,490
22	1,980	1,500	1,730	4,140	10,100	12,700	4,250	2,460	2,010	4,850	2,760	1,480
23	1,930	1,540	1,720	4,680	10,000	12,200	4,120	2,440	2,030	5,200	2,740	1,460
24	1,890	1,560	1,690	5,040	10,100	12,200	3,930	2,390	2,020	5,430	2,710	1,430
25	1,860	1,550	1,690	5,340	10,600	12,000	3,730	2,350	2,180	5,520	2,680	1,410
26	1,820	1,550	1,690	5,660	11,300	11,500	3,570	2,310	2,510	5,590	2,620	1,380
27	1,790	1,520	1,690	5,960	11,700	10,800	3,390	2,310	2,540	5,490	2,570	1,380
28	1,770	1,520	1,770	6,240	11,900	10,300	3,310	2,300	2,900	5,360	2,550	1,380
29	1,740	1,500	1,950	6,370	12,200	9,200	3,210	2,300	3,000	5,210	2,530	1,500
30	1,730	1,540	2,070	6,380	12,200	9,420	3,110	2,360	3,700	5,090	2,460	1,560
31	1,730	1,500	2,120	6,220	9,020	9,020	2,820	2,420	3,700	4,910	2,370	1,500
TOTAL	71,040	47,660	50,010	112,810	242,930	372,270	160,340	83,620	72,730	148,410	101,970	51,350
MEAN	2,292	1,505	1,600	3,609	7,836	12,010	5,169	2,700	2,424	4,787	3,289	1,712
MAX	3,210	1,730	2,120	6,380	11,900	13,000	8,610	3,120	3,700	5,590	4,820	2,280
MIN	1,730	1,500	1,570	2,000	5,290	9,020	3,110	2,300	2,000	3,930	2,370	1,380
CFSM	.35	.24	.27	.55	1.32	1.83	.81	.41	.37	.73	.50	.26
IN.	.40	.27	.32	.64	1.37	2.10	.91	.47	.41	.84	.58	.29
CAL YR 1962	TOTAL 1,460,160	MEAN 4,000	MAX 21,000	MIN 1,500	CFSM .61	IN 8.25						
WAT YR 1963	TOTAL 1,521,140	MEAN 4,168	MAX 13,000	MIN 1,380	CFSM .63	IN 8.60						



## SUWANNEE RIVER BASIN

2-3195 Suwannee River at Ellaville, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,000	1,320	1,260	1,840	20,300	22,500	16,200	13,000	8,750	4,580	15,000	17,000
2	2,120	1,310	1,260	1,840	19,600	23,800	16,000	14,400	8,270	4,650	15,700	16,300
3	2,170	1,310	1,260	1,860	19,000	25,000	15,800	18,200	7,820	4,790	16,200	15,600
4	2,190	1,310	1,236	1,860	18,300	26,100	15,400	21,600	7,400	5,140	16,600	14,900
5	2,210	1,310	1,236	1,950	17,800	27,200	14,800	24,400	7,030	5,460	16,900	14,200
6	2,210	1,310	1,220	1,990	17,300	28,000	14,000	27,000	6,790	5,990	17,100	13,600
7	2,190	1,300	1,216	2,080	16,900	28,900	13,100	29,200	6,750	6,420	17,200	13,000
8	2,150	1,300	1,210	2,390	16,500	29,900	12,300	31,200	7,170	6,720	17,200	12,400
9	2,060	1,290	1,216	3,270	16,100	31,200	11,600	32,700	7,340	6,870	17,100	11,800
10	1,960	1,300	1,210	4,310	15,800	32,400	11,200	35,500	7,230	6,850	16,900	11,400
11	1,910	1,310	1,190	4,950	15,600	33,000	10,900	33,700	6,920	6,670	16,900	11,400
12	1,830	1,290	1,190	5,670	15,300	33,200	10,900	33,200	6,590	6,410	16,900	13,700
13	1,770	1,280	1,320	7,200	15,200	32,800	11,000	32,400	6,270	6,230	17,100	17,300
14	1,720	1,270	1,520	8,530	15,000	32,200	11,300	31,200	6,030	6,120	17,500	19,500
15	1,660	1,240	1,690	9,400	14,900	31,500	11,600	29,800	5,860	6,120	18,000	21,100
16	1,620	1,230	1,790	10,200	14,800	30,600	12,000	27,900	5,690	6,080	18,400	22,600
17	1,580	1,230	1,890	11,100	14,600	29,700	12,200	25,900	5,580	6,050	18,500	23,900
18	1,550	1,230	1,980	12,200	14,600	28,700	12,300	24,000	5,470	6,420	18,500	25,100
19	1,520	1,220	2,000	13,400	14,800	27,500	12,100	22,400	5,290	7,500	18,500	26,000
20	1,510	1,220	2,030	14,500	15,200	26,300	11,600	20,800	5,070	8,350	18,500	27,000
21	1,490	1,220	2,030	15,700	15,500	25,000	10,800	19,300	4,910	8,660	18,600	27,500
22	1,460	1,220	2,020	16,800	15,400	23,600	10,100	17,800	4,790	8,790	18,800	27,600
23	1,440	1,220	2,000	17,700	16,100	22,200	9,560	16,600	4,640	8,960	19,100	27,300
24	1,420	1,220	1,980	18,700	16,500	20,800	9,040	15,400	4,560	9,230	19,300	27,000
25	1,410	1,220	1,980	19,500	17,000	19,600	8,510	14,200	4,490	9,580	19,300	26,300
26	1,390	1,230	1,950	20,100	17,400	18,600	7,980	13,100	4,450	10,200	19,100	25,600
27	1,380	1,230	1,940	20,500	18,000	17,700	7,530	12,200	4,400	11,000	18,800	24,800
28	1,380	1,240	1,920	20,900	19,500	17,100	7,960	11,400	4,370	12,000	18,600	24,200
29	1,370	1,290	1,890	21,000	21,200	16,800	10,100	10,600	4,330	13,000	18,500	23,500
30	1,350	1,270	1,860	21,000	-----	16,400	11,900	9,910	4,410	13,700	18,100	22,900
31	1,330	-----	1,840	20,700	-----	16,400	-----	9,300	-----	14,300	17,700	-----
TOTAL	53,370	37,940	50,310	333,160	484,600	794,600	349,770	670,210	176,670	242,840	550,600	604,700
MEAN	1,722	1,263	1,623	10,780	15,710	25,330	11,660	21,810	5,956	7,834	17,760	20,160
MAX	2,210	1,320	2,030	21,000	21,200	33,200	16,200	33,700	8,750	14,300	19,300	27,600
MIN	1,330	1,220	1,190	1,840	14,600	16,300	7,530	9,300	4,330	4,580	15,000	11,400
CF5M	.26	.19	.25	1.63	2.54	3.90	1.77	3.32	.91	1.19	2.70	3.06
IN.	.30	.21	.28	1.88	2.74	4.49	1.98	3.62	1.01	1.37	3.11	3.42

CAL YR 1963 TOTAL 1,488,050

WAT YR 1964 TOTAL 4,356,770

MEAN 4,077

MEAN 11,900

MAX 13,000

MAX 33,700

MIN 1,190

MIN 1,190

CF5M .62

CF5M 1.81

IN 8.41

IN 24.62

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	22,200	15,600	6,910	20,500	12,000	25,700	27,100	16,000	4,640	12,500	7,090	6,060
2	21,900	15,100	6,810	20,500	12,000	26,200	27,000	15,700	4,560	12,300	7,370	5,700
3	20,900	14,600	6,710	19,700	12,500	27,100	27,000	15,100	4,460	12,200	7,470	5,570
4	20,300	14,300	6,960	19,300	12,600	28,200	27,000	14,300	4,360	11,900	7,240	5,480
5	19,800	13,500	9,170	19,100	12,700	29,200	27,200	13,500	4,270	11,600	6,970	5,430
6	19,300	13,000	11,900	18,800	12,600	30,300	27,300	12,700	4,140	11,200	6,880	5,310
7	19,000	12,500	11,900	18,500	12,500	31,100	27,300	11,900	4,100	10,900	6,960	5,120
8	18,600	12,300	17,500	18,100	13,000	31,500	27,200	11,200	4,050	10,500	6,960	4,930
9	18,200	11,600	20,500	17,600	13,400	31,700	26,700	10,500	4,030	10,200	7,000	4,770
10	17,800	11,100	24,200	17,000	14,000	31,800	26,000	10,000	4,010	10,100	6,850	4,620
11	17,300	10,700	27,400	16,200	14,200	31,600	25,100	9,540	3,950	9,980	6,720	4,610
12	16,800	10,300	28,700	15,700	14,900	31,300	24,100	9,060	3,950	9,860	7,080	4,520
13	16,300	9,880	28,900	15,100	15,500	30,900	23,100	8,640	4,000	9,640	7,850	4,450
14	15,700	9,490	28,600	14,600	16,000	30,300	22,100	8,220	4,030	9,640	8,340	4,350
15	15,600	9,130	27,900	13,900	16,800	29,700	21,000	7,830	3,960	10,000	8,830	4,290
16	16,400	8,800	26,900	13,400	17,900	28,900	19,800	7,490	5,560	10,400	9,500	4,210
17	17,100	8,510	25,700	12,800	19,200	28,000	18,500	7,180	7,320	10,700	10,300	4,100
18	17,800	8,220	24,500	12,300	20,600	27,100	17,400	6,900	9,390	10,700	10,700	4,050
19	18,500	7,950	23,400	11,600	21,800	26,400	16,400	6,620	11,800	10,600	10,600	4,020
20	18,900	7,730	22,600	11,300	22,900	26,200	15,500	6,400	13,300	10,500	10,500	3,940
21	19,300	7,560	22,200	10,900	23,700	26,400	14,900	6,190	14,100	10,400	10,300	3,850
22	19,500	7,480	21,800	10,500	24,400	26,700	14,400	5,970	14,500	10,300	10,100	3,760
23	19,700	7,400	21,400	10,200	24,800	27,200	13,800	5,790	14,700	9,940	9,690	3,660
24	19,800	7,300	20,900	10,000	25,100	27,500	13,300	5,610	14,700	9,470	9,240	3,630
25	19,700	7,250	20,100	10,100	25,300	27,800	12,900	5,450	14,600	8,940	8,750	3,600
26	19,600	7,230	19,100	10,400	25,400	27,900	12,800	5,300	14,200	8,430	8,280	3,550
27	19,200	7,190	18,700	10,600	25,500	27,800	13,600	5,160	13,800	7,960	7,850	3,510
28	18,900	7,140	19,400	10,800	25,600	27,700	14,600	5,030	13,400	7,550	7,470	3,550
29	17,600	7,070	20,100	11,100	-----	27,600	15,500	4,890	12,900	7,110	7,080	3,830
30	16,800	7,020	20,500	11,300	-----	27,400	16,000	4,770	12,600	6,930	6,710	4,370
31	16,200	-----	20,600	11,000	-----	27,300	-----	4,660	-----	6,960	6,360	-----
TOTAL	574,000	296,350	614,560	443,300	507,500	884,500	614,600	267,600	249,720	309,410	253,030	132,920
MEAN	18,200	9,578	19,820	14,300	16,300	28,530	20,490	8,632	8,324	9,981	8,162	4,431
MAX	22,200	15,600	28,900	20,500	25,600	31,800	27,300	16,000	14,700	12,500	10,700	6,060
MIN	15,600	7,020	6,710	10,000	12,000	25,700	12,800	4,660	3,950	6,930	6,360	3,510
CF5M	2.81	1.50	3.01	2.17	2.75	4.34	3.11	1.31	1.27	1.52	1.24	.67
IN.	3.24	1.67	3.47	2.51	2.87	5.00	3.47	1.51	1.41	1.75	1.43	.75

CAL YR 1964 TOTAL 5,700,060

WAT YR 1965 TOTAL 5,147,490

MEAN 15,570

MEAN 14,100

MAX 33,700

MAX 31,800

MIN 1,840

MIN 3,510

CF5M 2.37

CF5M 2.14

IN 32.22

IN 29.09

## 2-3205 Suwannee River at Branford, Fla

Location --Lat 29°57', long 82°56', in sec 17 or 20, T 6 S, R 14 E, near left bank on upstream side of bridge on U S Highways 27 and 129 at Branford, Suwannee County, 10½ miles upstream from Santa Fe River

Drainage area --7,740 sq mi (revised), approximately (includes part of watershed in Okefenokee Swamp which is indeterminate)

Records available --July 1931 to September 1965

Gage --Wire-weight gage read once daily Datum of gage is 4.81 ft above mean sea level, datum of 1929 Prior to June 15, 1933, chain gage at same site and datum

Average discharge --34 years, 6,783 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Many days	19,800	a 21 12	Jan 12, 1961	3,630	6 49
1962	Apr 16, 1962	16,800	18 98	Dec 31, 1961	2,610	4 40
1963	Mar 11-14, 1963	12,600	b 15 34	Nov 27, 1962	2,250	3 59
1964	Mar 16, 1964	28,700	25 36	Many days	c 1,980	d 3 06
1965	Mar 14, 1965	28,100	25 27	Sept 26, 1965	5,390	9 49

a Occurred Apr 30, 1961

b Occurred Mar 11, 1963

c Minimum daily

d Occurred Dec 10, 11, 1963

1931-65 Maximum discharge, 83,900 cfs Apr 11, 1948 (gage height, 34.07 ft), minimum, 1,530 cfs July 1, 2, 1955, minimum gage height, 1.97 ft Jan 10, 11, 14, 17, 1956  
Maximum stage known, that of Apr 11, 1948

Remarks --Records good Records of chemical analyses for the water years 1962 and 1965 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7,610	7,180	4,160	3,680	5,930	8,560	8,340	19,800	8,150	5,450	4,680	6,630
2	7,990	6,980	4,090	3,670	5,920	8,720	8,170	19,500	8,080	5,500	4,520	6,960
3	8,300	6,760	4,060	3,720	6,030	8,450	8,150	19,100	7,950	5,610	4,400	7,340
4	8,440	6,560	4,040	3,770	6,030	8,980	8,060	18,700	7,770	5,690	4,260	7,580
5	8,660	6,390	4,020	3,780	6,030	9,030	7,880	18,200	7,560	5,690	4,150	7,830
6	8,800	6,200	4,000	3,770	6,040	9,030	7,700	17,700	7,340	5,660	4,040	7,970
7	9,000	6,050	3,970	3,740	6,150	8,980	7,560	17,100	7,080	5,540	3,950	8,040
8	9,380	5,880	3,940	3,730	6,200	8,890	7,460	16,600	6,840	5,420	3,870	8,080
9	9,570	5,790	3,900	3,680	6,280	8,750	7,680	16,100	6,460	5,340	3,800	8,140
10	9,780	5,680	3,880	3,650	6,430	8,480	7,650	15,700	6,230	5,220	3,750	8,210
11	9,970	5,580	3,870	3,640	6,530	8,220	7,710	15,000	5,970	5,120	3,730	8,230
12	10,100	5,440	3,880	3,630	6,660	8,020	7,970	14,800	5,790	5,070	3,790	8,250
13	10,200	5,320	3,790	3,680	6,740	7,770	8,110	14,200	5,570	5,050	3,980	8,280
14	10,300	5,230	3,770	3,770	6,820	7,570	8,550	13,600	5,440	5,030	4,090	8,270
15	10,300	5,130	3,760	3,850	6,840	7,320	9,150	13,000	5,360	4,980	4,070	8,270
16	10,200	5,040	3,840	4,190	6,870	7,120	9,690	12,400	5,240	4,960	4,030	8,210
17	10,200	4,980	3,790	4,580	6,870	6,920	10,400	11,900	5,090	4,840	3,970	8,090
18	10,000	4,900	3,790	4,750	6,850	6,900	11,300	11,300	4,970	4,750	3,870	7,990
19	9,930	4,850	3,790	4,960	6,790	6,660	11,900	10,800	4,970	4,780	3,810	7,860
20	9,790	4,740	3,790	5,010	6,710	6,600	12,800	10,300	5,020	4,700	3,750	7,710
21	9,590	4,680	3,850	5,000	6,640	6,870	13,900	9,770	5,310	4,670	3,680	7,500
22	9,390	4,620	3,780	4,960	6,690	7,240	14,900	9,420	5,270	4,700	3,700	7,320
23	9,160	4,570	3,740	4,960	6,830	7,670	15,800	9,040	5,340	4,830	3,790	7,100
24	8,960	4,500	3,730	4,960	6,980	8,100	16,800	8,670	5,590	4,940	3,910	6,870
25	8,770	4,450	3,720	4,950	7,280	8,360	17,700	8,340	5,880	5,050	4,050	6,640
26	8,460	4,390	3,720	4,940	7,560	8,610	18,500	8,050	5,890	5,130	4,570	6,390
27	8,200	4,340	3,700	4,950	7,920	8,750	19,100	7,800	5,800	5,120	4,890	6,190
28	8,000	4,320	3,680	5,020	8,270	8,820	19,500	7,710	5,680	5,050	5,320	5,980
29	7,840	4,300	3,650	5,300	-----	8,790	19,800	7,870	5,530	5,020	5,660	5,750
30	7,570	4,230	3,660	5,480	-----	8,680	19,800	8,070	5,440	4,930	6,100	5,560
31	7,400	-----	3,650	5,650	-----	8,570	-----	8,190	-----	4,820	6,360	-----
TOTAL	282,040	159,080	119,010	135,420	186,790	251,840	352,030	398,730	182,600	158,660	132,540	223,250
MEAN	9,098	5,102	3,839	4,368	6,071	8,124	11,730	12,860	6,087	5,118	4,275	7,042
MAX	10,300	7,180	4,160	5,650	8,270	9,030	19,800	19,800	8,150	5,690	6,360	8,280
MIN	7,400	4,230	3,650	3,630	5,830	6,600	7,460	7,710	4,970	4,670	3,680	5,560
CFSM	1.18	.69	.50	.56	.86	1.05	1.52	1.66	.79	.66	.55	.96
IN.	1.36	.76	.57	.65	.90	1.21	1.69	1.92	.88	.76	.64	1.07

CAL YR 1960 TOTAL 3,483,210 MEAN 8,971 MAX 25,400 MIN 3,650 CFSM 1.16 IN 15.78  
WAT YR 1961 TOTAL 2,581,960 MEAN 7,074 MAX 19,800 MIN 3,630 CFSM .91 IN 12.41

## 2-3205 Suwannee River at Branford, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,490	3,220	2,780	2,670	3,070	4,190	6,790	10,900	4,120	3,200	3,110	3,270
2	5,330	3,200	2,780	2,660	3,090	4,330	8,080	10,500	4,080	3,200	3,240	3,200
3	5,200	3,170	2,770	2,640	3,080	4,460	9,880	9,960	3,990	3,170	3,290	3,150
4	5,040	3,140	2,750	2,660	3,080	4,760	11,300	9,500	3,930	3,130	3,420	3,110
5	4,890	3,110	2,750	2,660	3,090	5,160	12,300	9,150	3,860	3,140	3,510	3,090
6	4,750	3,130	2,770	2,760	3,100	5,440	13,100	8,690	3,820	3,080	3,660	3,110
7	4,660	3,130	2,750	2,760	3,050	5,620	13,800	8,320	3,770	3,080	3,810	3,160
8	4,560	3,100	2,690	2,860	3,040	5,740	14,200	7,960	3,700	3,100	3,860	3,350
9	4,470	3,040	2,690	3,020	3,040	5,850	14,700	7,620	3,740	3,140	3,860	3,480
10	4,380	3,020	2,710	3,130	3,040	5,900	15,200	7,310	3,750	3,180	3,800	3,540
11	4,280	3,020	2,710	3,170	2,980	5,990	15,500	7,080	3,750	3,250	3,660	3,620
12	4,180	3,020	2,690	3,210	2,950	6,000	15,900	6,820	3,790	3,250	3,530	3,620
13	4,120	2,990	2,720	3,210	2,920	5,980	16,300	6,490	3,740	3,200	3,450	3,660
14	4,100	2,980	2,660	3,220	2,900	5,930	16,500	6,290	3,680	3,150	3,330	3,720
15	3,970	2,940	2,660	3,240	2,900	5,960	16,700	6,090	3,620	3,080	3,230	3,740
16	3,890	2,930	2,680	3,220	2,890	5,960	16,800	5,880	3,600	3,040	3,160	3,660
17	3,840	2,900	2,710	3,190	2,860	6,070	16,600	5,720	3,580	3,000	3,110	3,640
18	3,800	2,870	2,780	3,170	2,880	6,300	16,400	5,560	3,540	2,970	3,090	3,590
19	3,750	2,860	2,750	3,160	2,930	6,520	16,000	5,420	3,500	2,970	3,090	3,540
20	3,700	2,850	2,710	3,150	2,940	6,700	15,800	5,340	3,450	2,950	3,090	3,520
21	3,640	2,820	2,720	3,140	3,020	6,840	15,400	5,260	3,420	2,940	3,130	3,470
22	3,590	2,810	2,730	3,080	3,230	6,910	14,900	5,100	3,380	2,950	3,120	3,460
23	3,560	2,780	2,760	3,070	3,500	7,010	14,300	4,980	3,330	2,950	3,120	3,540
24	3,520	2,720	2,740	3,030	3,620	7,020	14,200	4,840	3,280	2,930	3,040	3,590
25	3,470	2,650	2,710	3,010	3,670	7,060	13,700	4,720	3,270	2,920	3,010	3,900
26	3,430	2,640	2,680	2,980	3,770	7,090	13,200	4,630	3,230	2,900	3,160	4,010
27	3,390	2,660	2,690	2,980	3,910	6,180	12,800	4,440	3,200	2,910	3,300	4,060
28	3,320	2,660	2,700	2,990	4,020	6,870	12,300	4,380	3,230	2,970	3,370	4,040
29	3,290	2,640	2,660	2,930	-----	6,730	11,800	4,290	3,190	2,960	3,400	4,080
30	3,270	2,800	2,630	2,980	-----	6,620	11,400	4,250	3,190	3,010	3,380	4,070
31	3,240	-----	2,610	3,040	-----	6,550	-----	4,200	-----	3,020	3,330	-----
TOTAL	126,080	84,200	84,140	92,990	88,570	188,540	416,150	201,730	107,730	96,740	103,650	106,990
MEAN	4,067	2,973	2,714	3,000	3,163	6,082	13,870	6,507	3,591	3,056	3,344	3,366
MAX	5,490	3,220	2,780	3,240	4,020	7,090	16,800	10,900	4,120	3,250	3,860	4,080
MIN	3,240	2,800	2,610	2,640	2,860	4,190	6,790	4,200	3,190	2,900	3,010	3,090
CFSM	.53	.38	.35	.39	.41	.79	1.79	.84	.46	.39	.43	.46
IN.	.61	.43	.40	.45	.43	.91	2.00	.97	.52	.46	.50	.51
CAL YR 1961	TOTAL 2,321,270	MEAN 6,360	MAX 19,800	MIN 2,610	CFSM .82	IN 11.15						
WAT YR 1962	TOTAL 1,700,510	MEAN 4,659	MAX 16,800	MIN 2,610	CFSM .60	IN 8.17						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,030	2,500	2,380	2,650	6,090	11,100	10,400	4,820	3,420	4,090	5,660	3,560
2	3,980	2,560	2,350	2,680	6,000	11,400	10,100	4,620	3,460	4,420	5,540	3,460
3	3,890	2,540	2,400	2,690	5,970	11,500	9,860	4,540	3,500	4,720	5,490	3,430
4	3,810	2,440	2,450	2,680	5,900	11,800	9,560	4,530	3,560	5,000	5,410	3,390
5	3,710	2,510	2,490	2,650	5,780	11,900	9,300	4,520	3,610	5,200	5,360	3,340
6	3,640	2,420	2,540	2,670	5,990	12,200	9,030	4,500	3,670	5,340	5,250	3,310
7	3,570	2,450	2,540	2,680	6,230	12,300	8,740	4,480	3,590	5,330	5,170	3,250
8	3,550	2,460	2,580	2,690	6,610	12,300	8,650	4,370	3,550	5,330	5,060	3,170
9	3,530	2,320	2,590	2,620	6,973	12,500	8,230	4,430	3,510	5,240	4,950	3,110
10	3,460	2,480	2,550	2,650	7,200	12,500	7,990	4,340	3,450	5,180	4,830	3,060
11	3,393	2,430	2,540	2,650	7,600	12,600	7,780	4,330	3,370	5,140	4,690	3,010
12	3,330	2,460	2,540	2,720	7,890	12,600	7,630	4,270	3,300	5,110	4,900	2,940
13	3,260	2,490	2,480	2,770	8,160	12,600	7,480	4,190	3,230	5,040	4,360	2,880
14	3,220	2,340	2,480	3,230	8,460	12,600	7,350	4,070	3,180	4,930	4,220	2,830
15	3,150	2,170	2,490	3,580	8,720	12,500	7,200	4,000	3,110	4,860	4,070	2,810
16	3,090	2,380	2,510	3,810	8,920	12,400	7,040	3,940	3,090	4,800	3,940	2,720
17	3,030	2,380	2,510	3,950	9,050	12,500	6,870	3,890	3,090	4,800	3,850	2,670
18	2,970	2,190	2,470	4,030	9,120	12,500	6,730	3,820	3,120	4,490	3,820	2,640
19	2,920	2,350	2,450	4,050	9,290	12,400	6,530	3,750	3,050	5,050	3,800	2,600
20	2,860	2,330	2,430	4,050	9,350	12,400	6,340	3,720	2,990	5,200	3,840	2,550
21	2,880	2,330	2,410	4,080	9,470	12,400	6,160	3,700	2,970	5,290	3,830	2,540
22	2,800	2,170	2,460	4,160	9,590	12,300	6,000	3,660	2,970	5,370	3,820	2,540
23	2,820	2,300	2,400	4,300	9,670	12,300	5,880	3,640	2,940	5,430	3,820	2,550
24	2,760	2,270	2,370	4,710	9,920	12,400	5,740	3,590	2,920	5,560	3,840	2,440
25	2,700	2,280	2,360	4,940	9,960	12,300	5,520	3,520	2,970	5,720	3,860	2,400
26	2,680	2,270	2,360	5,180	10,300	12,200	5,370	3,470	3,040	5,800	3,860	2,390
27	2,650	2,250	2,390	5,480	10,600	11,900	5,200	3,470	3,110	5,880	3,820	2,390
28	2,630	2,260	2,370	5,600	10,900	11,600	5,050	3,450	3,270	5,880	3,770	2,400
29	2,620	2,270	2,460	5,780	-----	11,300	4,940	3,460	3,610	5,850	3,770	2,710
30	2,620	2,330	2,540	5,960	-----	11,000	4,840	3,430	3,760	5,820	3,760	2,530
31	2,680	-----	2,590	6,090	-----	10,700	-----	3,420	-----	5,760	3,700	-----
TOTAL	98,310	71,430	76,440	117,940	229,683	375,000	217,290	124,090	98,360	162,030	135,630	85,620
MEAN	3,171	2,398	2,465	3,805	8,203	12,100	7,243	4,003	3,279	5,227	4,375	2,854
MAX	4,030	2,600	2,590	6,090	10,900	12,600	10,400	4,820	3,760	5,880	5,660	3,560
MIN	2,620	2,350	2,420	2,620	5,780	10,700	4,840	3,420	2,920	4,090	3,700	2,390
CFSM	.41	.31	.32	.49	1.06	1.56	.94	.52	.42	.68	.57	.37
IN.	.47	.35	.37	.57	1.10	1.80	1.04	.60	.47	.78	.65	.41
CAL YR 1962	TOTAL 1,647,760	MEAN 4,514	MAX 16,800	MIN 2,250	CFSM .58	IN 7.92						
WAT YR 1963	TOTAL 1,792,310	MEAN 4,910	MAX 12,600	MIN 2,250	CFSM .63	IN 8.61						

## SUWANNEE RIVER BASIN

685

2-3205 Suwannee River at Branford, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,520	2,120	2,010	2,400	17,400	15,600	18,600	12,800	12,600	6,390	13,070	18,600
2	2,080	2,140	2,000	2,400	17,400	15,600	18,600	13,700	11,900	6,470	13,570	18,100
3	2,860	2,080	2,030	2,360	17,100	20,300	18,290	14,800	11,300	6,510	14,000	17,600
4	2,930	2,060	2,030	2,380	16,900	21,200	17,900	16,200	10,600	6,640	14,600	17,100
5	2,990	2,140	2,020	2,400	16,700	22,100	17,500	14,300	10,200	6,780	15,100	16,500
6	3,010	2,120	2,000	2,450	16,400	22,700	17,000	20,000	9,810	6,920	15,500	16,000
7	3,010	2,060	1,980	2,520	16,700	23,600	16,400	21,400	9,560	7,130	15,500	15,500
8	2,990	2,060	2,010	2,640	15,700	24,300	15,700	22,900	9,430	7,370	16,100	14,900
9	2,950	2,060	2,020	2,840	15,600	25,000	15,000	24,300	9,410	7,570	16,400	14,400
10	2,890	2,060	1,990	3,300	15,400	25,700	14,400	25,400	9,350	7,710	16,500	14,100
11	2,800	2,170	1,990	3,900	15,200	26,500	13,900	26,500	9,260	7,760	16,600	14,400
12	2,740	2,060	1,900	4,470	15,000	27,300	13,500	27,400	9,070	7,760	16,800	15,800
13	2,670	2,030	1,860	4,900	14,900	27,800	13,300	28,300	8,850	7,720	16,900	18,100
14	2,580	2,030	1,820	5,040	14,800	28,300	13,200	28,570	8,630	7,530	17,100	20,400
15	2,530	2,020	1,820	6,460	14,700	28,300	13,200	28,600	8,410	7,410	17,400	22,200
16	2,500	2,020	2,180	7,190	14,700	28,700	13,300	28,500	8,220	7,350	17,700	23,700
17	2,440	2,020	2,290	7,950	14,600	28,600	13,400	28,000	8,120	7,460	18,000	24,900
18	2,400	2,030	2,380	8,700	14,500	28,400	13,500	27,400	7,920	7,590	18,300	25,500
19	2,360	2,020	2,410	9,500	14,500	28,000	13,500	27,410	7,790	7,790	18,400	25,900
20	2,330	2,020	2,470	10,300	14,500	27,700	13,400	27,300	7,690	8,250	18,400	26,100
21	2,310	2,020	2,500	11,100	14,400	27,300	13,100	24,500	7,460	8,670	18,600	26,200
22	2,280	2,000	2,500	12,000	14,700	26,300	12,600	23,300	7,290	8,940	18,800	26,200
23	2,240	2,000	2,500	12,000	15,000	25,800	12,200	22,000	7,130	9,110	19,000	26,300
24	2,220	2,020	2,510	13,500	15,100	25,300	11,900	20,700	6,990	9,320	19,200	26,400
25	2,200	1,990	2,480	14,300	15,500	24,000	11,500	19,400	6,840	9,550	19,300	26,200
26	2,180	1,980	2,470	15,000	15,700	23,100	11,100	18,300	6,710	9,840	19,400	26,200
27	2,170	2,000	2,480	15,600	16,200	22,700	10,800	17,100	6,610	10,400	19,400	26,000
28	2,160	2,020	2,460	16,200	16,800	21,200	10,900	16,100	6,500	10,900	19,400	25,800
29	2,150	2,100	2,440	16,600	17,700	20,500	11,200	15,200	6,450	11,500	19,200	25,700
30	2,120	2,030	2,400	17,000	18,000	19,800	12,000	14,400	6,370	12,000	19,000	25,500
31	2,100	-----	2,370	17,200	-----	19,700	-----	13,400	-----	12,500	19,000	-----
TOTAL	78,330	61,440	67,220	256,020	453,500	757,400	421,000	667,300	256,470	258,440	536,400	640,300
MEAN	2,527	2,046	2,233	8,259	15,640	24,430	14,030	21,590	8,359	8,330	17,300	21,340
MAX	3,010	2,140	2,510	17,400	17,700	28,700	18,600	28,600	12,600	9,560	19,400	26,400
MIN	2,100	1,980	1,980	2,360	14,500	18,600	10,800	12,800	6,370	6,390	13,000	14,100
CFSM	33	26	29	1.07	1.02	3.16	1.81	2.79	1.10	1.08	2.24	2.76
IN.	.38	.30	.33	1.23	2.18	3.64	2.02	3.22	1.23	1.74	2.53	3.08

CAL YR 1963 TOTAL 1,794,630 MEAN 4,807 MAX 12,600 MIN 1,980 CF-SM 62 IN 8.43  
WAT YR 1964 TOTAL 4,458,220 MEAN 12,180 MAX 28,700 MIN 1,980 CF-SM 1.57 IN 21.42

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	25,100	19,100	10,200	21,200	12,300	23,300	26,200	16,400	7,010	12,600	9,060	8,120
2	24,700	18,300	10,100	21,300	13,300	23,900	26,100	16,500	6,870	12,600	9,050	7,930
3	24,500	18,100	10,000	21,300	13,100	24,100	26,000	15,400	6,740	12,600	9,110	7,760
4	24,100	17,700	10,100	21,100	13,200	24,500	25,900	16,100	6,630	12,400	9,120	7,550
5	23,500	17,100	10,500	20,900	13,500	24,800	25,600	15,700	6,530	12,300	9,020	7,440
6	23,200	16,300	11,500	20,700	13,400	25,500	25,800	15,000	6,510	12,100	8,940	7,360
7	22,700	16,300	12,700	20,400	13,300	26,000	25,800	14,400	6,400	11,900	8,920	7,300
8	22,300	15,700	14,300	20,200	13,400	26,400	25,800	13,700	6,360	11,700	8,940	7,200
9	21,300	15,300	16,000	19,900	13,600	26,400	25,800	13,100	6,310	11,500	8,940	7,090
10	21,300	15,100	17,800	19,500	13,900	27,300	25,700	12,000	6,240	11,300	8,920	7,010
11	20,900	14,600	19,500	18,900	14,200	27,600	25,500	11,200	6,230	11,200	8,860	6,780
12	20,300	14,200	20,600	18,400	14,500	27,900	25,000	11,800	6,240	11,100	8,890	6,580
13	19,800	13,400	21,900	17,800	14,800	28,000	24,600	11,400	6,300	11,000	9,070	6,490
14	19,300	13,000	22,900	17,300	15,200	28,100	24,100	11,300	6,270	10,900	9,190	6,350
15	19,000	13,100	23,500	16,800	15,600	28,300	23,500	10,600	6,350	10,900	9,430	6,330
16	18,700	12,400	24,000	16,300	16,700	27,400	22,600	10,200	6,500	11,100	9,710	6,230
17	18,800	12,400	24,200	15,700	17,000	27,700	21,900	9,920	7,120	11,300	9,980	6,090
18	19,000	12,200	24,300	15,000	17,900	27,400	21,000	9,730	8,070	11,400	10,300	5,970
19	19,300	11,700	23,700	14,700	18,700	27,100	20,100	9,440	9,130	11,400	10,500	5,850
20	19,600	11,700	23,400	14,200	19,600	26,900	19,200	9,170	9,130	11,400	10,600	5,740
21	19,900	11,400	23,000	13,700	20,300	26,100	18,200	8,950	11,300	11,400	10,700	5,660
22	20,100	11,200	22,500	13,400	21,000	26,100	17,500	8,770	11,900	11,300	10,600	5,580
23	20,300	11,000	22,200	13,000	21,500	26,100	16,800	8,440	12,400	11,200	10,600	5,530
24	20,500	10,700	21,900	12,700	21,900	26,100	16,300	8,260	12,700	11,000	10,400	5,530
25	20,600	10,300	21,600	12,400	22,400	26,200	15,600	8,060	13,000	10,800	10,100	5,440
26	20,800	10,700	21,200	12,400	22,600	26,300	15,500	7,980	13,100	10,500	9,890	5,390
27	20,600	10,000	21,000	12,400	22,900	26,300	15,200	7,770	13,200	10,000	9,590	5,440
28	20,800	10,500	20,600	12,400	23,100	26,400	15,500	7,620	13,100	9,770	9,250	5,680
29	20,300	10,500	20,200	12,400	-----	26,400	15,800	7,460	12,900	9,500	9,000	5,740
30	20,100	10,400	20,900	12,300	-----	26,300	16,200	7,290	12,700	9,740	8,700	5,870
31	19,600	-----	21,200	12,600	-----	26,300	-----	7,120	-----	9,030	8,390	-----
TOTAL	651,900	408,500	587,300	511,600	472,500	618,000	649,000	347,840	264,610	346,440	293,770	193,050
MEAN	21,020	13,020	18,950	16,500	16,880	26,390	21,630	11,060	8,814	11,180	9,476	6,435
MAX	25,100	19,100	24,200	21,300	23,100	28,100	26,200	16,500	13,200	12,600	10,700	8,120
MIN	18,700	10,400	10,000	12,400	12,800	23,300	15,200	7,120	6,230	9,030	8,390	5,390
CFSM	2.72	1.76	2.45	2.13	2.13	3.41	3.12	1.43	1.16	1.44	1.22	.83
IN.	3.15	1.96	2.82	2.46	2.27	3.93	3.12	1.65	1.27	1.66	1.41	.93

CAL YR 1964 TOTAL 5,896,530 MEAN 16,110 MAX 28,700 MIN 2,380 CF-SM 2.08 IN 28.33  
WAT YR 1965 TOTAL 5,538,910 MEAN 15,180 MAX 28,100 MIN 5,390 CF-SM 1.96 IN 26.61

## SUWANNEE RIVER BASIN

2-3207 Santa Fe River near Graham, Fla

Location --Lat 29°50'46" long 82°13'11" in NE $\frac{1}{4}$  sec 32, T 7 S, R 21 E, near left bank on upstream side of bridge on State Highway 285,  $\frac{1}{2}$  mile south of Graham, Bradford County, and 1 5 miles upstream from Sampson River

Drainage area --135 sq mi, approximately

Records available --August 1957 to September 1965

Gage --Digital water-stage recorder Datum of gage is 103 55 ft above mean sea level, datum of 1929 Prior to Nov 1, 1963, graphic water-stage recorder at same site and datum

Average discharge --8 years, 76 l cfs

Extremes --Maximum and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (400 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
July 19, 1961	0430	617	12 21	Sept 8, 1962	-	a 222	a 8 90	Sept 12, 1964	1915	* 2,360	14 97
July 21, 1961	2100	811	12 72			a 3 90					
Aug 30, 1961	0300	* 920	12 96	Mar 2, 1963	1230	* 144	7 79	Feb 14, 1965	2300	* 452	11 56

a Maximum observed

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 7, 8, 1961	0 50	4 05	1964	Nov 1, 1963	1 6	3 80
1962	June 6, 1962	a 10	a 3 64	1965	June 3, 1965	90	3 92
1963	Many days	b 10	c 3 64				

a Occurred May 16, 17, 1962

b Minimum daily

c Occurred May 21, 1963

1957-65 Maximum discharge, 2,360 cfs Sept 12, 1964 (gage height, 14 97 ft), minimum daily, 0 10 cfs May 19-21, June 12-23, 1964, minimum gage height, 3 64 ft May 21, 1963

Remarks --Records good except those below 10 cfs and above 1,000 cfs which are fair, and those for period Jan 4, 1962, to Sept 30, 1962, which are poor Records do not include diversions, during periods of high stages, from Santa Fe Lake through Lochloosa Creek in St Johns River basin

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	414	120	41	36	30	168	37	11	1.3	14	126	547
2	304	137	39	36	30	144	34	10	1.2	10	124	402
3	304	149	38	35	45	123	30	10	1.1	8.5	146	318
4	263	144	36	34	62	108	28	9.2	.80	7.0	146	271
5	228	133	35	32	59	94	26	8.9	.60	7.4	136	233
6	204	122	34	32	62	83	24	8.1	.60	7.7	114	202
7	237	112	33	31	104	74	24	7.6	.50	6.7	92	176
8	288	102	32	30	159	66	23	6.8	.80	6.1	72	155
9	306	94	31	30	154	59	23	6.3	1.3	8.7	58	136
10	298	88	31	29	158	52	26	6.8	.90	45	52	124
11	260	82	32	28	140	47	26	7.6	1.0	108	50	113
12	254	78	37	28	120	43	27	7.7	3.0	168	46	108
13	229	74	37	28	105	40	29	7.4	4.6	205	43	118
14	208	70	37	31	90	38	28	7.2	5.1	200	49	109
15	190	68	38	32	78	35	28	6.8	24	162	48	98
16	175	66	43	30	69	33	102	6.5	29	145	44	91
17	160	62	42	29	62	31	86	5.8	26	265	41	88
18	148	62	41	28	56	31	81	5.3	22	236	38	80
19	138	68	40	27	67	34	72	5.0	19	510	64	75
20	129	64	39	28	66	34	55	4.5	16	393	306	70
21	122	58	38	27	62	47	43	4.0	23	553	279	66
22	115	55	39	25	60	58	35	3.7	32	614	312	60
23	108	52	37	24	81	85	30	3.3	25	508	287	54
24	102	50	36	24	210	91	26	3.1	19	424	268	50
25	94	49	35	24	240	70	22	2.9	15	324	266	46
26	88	48	33	25	260	66	20	2.6	23	277	278	43
27	84	47	32	25	230	58	17	2.8	28	259	251	40
28	80	46	32	24	197	51	15	2.9	21	214	302	39
29	76	45	31	27	-----	46	14	2.5	17	201	442	37
30	72	44	30	32	-----	42	12	2.1	18	182	811	36
31	82	-----	30	32	-----	39	-----	1.8	-----	154	694	-----
TOTAL	5,830	2,369	1,109	903	3,056	1,998	1,043	180.2	379.80	6,225.1	5,984	3,980
MEAN	188	79.6	35.8	29.1	109	64.5	34.8	5.81	12.7	201	193	133
MAX	414	149	43	36	260	168	102	11	32	614	811	542
MIN	72	44	30	24	30	31	12	1.8	.50	6.1	38	36
CFSM	1.39	.59	.26	.22	.81	.48	.26	.04	.09	1.49	1.43	.98
IN.	1.61	.66	.31	.25	.84	.55	.29	.05	.10	1.71	1.65	1.10

CAL YR 1960 TOTAL 47,633.0 MEAN 124 MAX 979 MIN 4.0 CFSM .92 IN 12.52

WAT YR 1961 TOTAL 33,077.10 MEAN 90.6 MAX 811 MIN .50 CFSM .67 IN 9.11

## 2-3207 Santa Fe River near Graham, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	35	11	16	7.5	8.8	5.4	18	1.2	1.4	19	17	30
2	33	11	16	7.5	8.8	5.4	38	1.2	1.2	12	13	19
3	32	11	15	7.3	7.3	7.1	30	1.0	1.0	9.0	15	78
4	30	11	14	6.9	9.0	7.1	25	.70	.50	5.9	22	158
5	28	12	14	6.4	9.6	5.4	23	.80	.40	3.4	24	157
6	27	24	13	7.5	10	5.4	21	.80	.30	2.4	18	136
7	26	51	12	10	10	5.4	20	.60	.60	1.9	27	130
8	24	57	12	12	11	5.4	19	.80	1.5	2.1	48	206
9	23	56	11	12	13	5.4	18	.90	3.0	2.4	34	120
10	22	51	11	11	28	5.4	18	.80	3.0	1.5	32	92
11	21	44	10	15	25	5.4	13	1.2	2.0	1.2	28	108
12	20	38	10	20	20	3.9	8.8	.60	2.0	1.0	22	92
13	20	33	10	27	16	3.9	11	.50	2.5	.70	17	70
14	20	30	12	27	13	6.2	9.2	.50	2.0	.60	12	61
15	21	27	11	25	12	4.4	7.5	.50	1.3	.80	8.6	45
16	20	25	11	23	12	20	5.9	.40	28	1.0	6.4	35
17	19	23	11	21	14	7.1	5.4	.40	15	1.0	8.1	30
18	18	21	11	20	9.2	7.1	4.9	.40	13	8.7	8.1	27
19	17	19	11	18	7.1	4.5	4.8	.40	12	24	9.0	21
20	16	18	11	16	12	4.2	4.4	2.0	9.2	36	11	18
21	15	17	10	15	9.2	3.7	3.5	2.5	7.3	44	12	21
22	14	16	9.9	14	9.2	3.3	2.0	2.0	5.9	30	14	24
23	14	17	9.6	13	7.1	4.8	1.5	1.5	5.0	21	16	42
24	13	19	9.2	12	7.1	4.8	.80	.80	4.8	13	19	50
25	13	20	8.6	11	7.1	6.4	.80	1.0	4.3	7.3	26	42
26	13	20	8.4	7.9	5.4	8.4	1.5	.90	3.0	5.7	48	37
27	12	20	8.1	6.4	5.4	6.4	2.0	.80	2.0	7.9	42	36
28	11	19	8.4	11	5.4	4.8	1.6	.60	1.1	16	37	30
29	11	19	8.1	11	-----	4.8	1.5	.50	1.2	26	33	26
30	12	17	7.7	11	-----	4.5	1.4	.80	22	17	28	20
31	12	-----	7.3	8.6	-----	7.3	-----	.70	-----	18	25	-----
TOTAL	612	757	338.3	423.0	311.7	422.9	321.50	27.80	156.50	340.50	680.2	1,961
MEAN	19.7	25.2	10.5	13.6	11.1	13.6	10.7	.90	5.22	11.0	21.9	65.4
MAX	35	57	16	27	24	44	38	2.5	28	44	48	206
MIN	11	11	7.3	6.4	5.4	3.3	.80	.40	.30	.60	6.4	18
CFSM	.15	.19	.08	.10	.09	.05	.08	.007	.04	.08	.16	.48
IN.	.17	.21	.09	12	.09	06	.09	.008	.04	.09	.19	.54

CAL YR 1961 TOTAL 25,456.40 MEAN 69.7 MAX 811 MIN .50 CFSM .52 IN 7.01  
 WAT YR 1962 TOTAL 5,152.40 MEAN 16.9 MAX 206 MIN .30 CFSM .12 IN 1.69

Note --Bridge constructed and channel improvements in immediate vicinity Jan 4 to Sept 30

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	23	1.6	1.8	1.2	3.7	4.5	4.9	1.2	.90	94	31	107
2	20	1.5	1.6	1.1	3.5	132	4.4	.90	.80	76	31	99
3	20	1.6	1.4	9.0	113	3.5	.90	.60	.77	36	92	
4	19	1.7	1.3	1.1	48	111	3.5	.90	.40	82	26	79
5	16	1.7	1.2	1.1	46	94	3.0	.80	.30	86	21	60
6	15	1.6	1.3	1.5	44	74	2.7	.70	.30	80	17	64
7	13	1.5	1.3	2.5	51	60	3.4	.60	.30	66	15	55
8	12	1.4	1.2	2.4	49	50	3.4	.60	.20	62	13	43
9	11	1.6	1.1	2.3	42	47	2.9	.50	.20	55	34	35
10	10	1.4	1.1	2.2	35	64	2.5	.50	.20	50	54	29
11	9.0	1.7	1.2	2.1	32	58	2.3	.40	.20	45	92	25
12	8.1	1.3	1.5	2.0	38	53	1.9	.30	.10	40	98	20
13	7.3	1.9	1.5	2.0	34	48	1.8	.30	.10	35	80	17
14	6.6	1.7	1.4	2.0	47	43	1.6	.40	.10	30	66	15
15	5.7	1.5	1.4	1.9	45	39	1.4	.30	.10	25	62	12
16	5.0	1.4	1.3	1.8	40	35	1.2	.40	.10	23	84	11
17	4.6	1.3	1.2	1.6	35	31	1.1	.30	.10	28	81	9.9
18	4.0	1.2	1.1	1.7	31	28	1.0	.20	.10	25	78	12
19	3.5	1.2	1.2	1.8	34	25	.90	.10	.10	22	73	13
20	3.0	1.1	1.1	1.8	34	23	.90	.10	.10	20	74	13
21	2.5	1.1	1.1	2.3	30	20	.80	.10	.10	23	73	14
22	2.6	1.3	1.1	2.1	27	17	.80	.30	.10	27	70	16
23	2.7	1.2	1.2	1.8	25	15	.70	.40	.10	29	60	16
24	2.5	1.1	1.2	1.6	33	13	.60	.30	.40	30	54	18
25	2.2	1.0	1.2	1.6	34	12	.50	.30	.40	47	55	22
26	1.9	.90	1.2	1.6	47	10	.60	.20	.50	58	68	28
27	1.7	.90	1.7	3.7	43	9.1	.50	.30	.40	66	70	35
28	1.6	.90	1.9	6.0	44	8.1	.50	.30	25	54	66	41
29	1.6	.90	1.6	5.7	-----	7.2	.40	1.0	58	42	56	64
30	1.6	1.3	1.4	5.1	-----	6.3	.60	1.4	98	33	45	105
31	1.6	-----	1.3	4.5	-----	9.7	-----	1.1	-----	29	43	-----
TOTAL	238.5	39.80	41.1	71.7	1,048.4	1,298.4	54.70	16.10	188.30	1,459	1,724	1,176.9
MEAN	7.69	1.33	1.33	2.30	37.4	41.9	1.82	.52	6.28	47.1	55.6	39.2
MAX	23	1.9	1.9	6.0	58	132	4.9	1.4	.98	94	98	107
MIN	1.6	.90	1.1	1.1	3.5	5.7	.40	.10	.10	20	13	9.9
CFSM	.06	.01	.01	.02	.28	.31	.01	.004	.05	.35	.41	.29
IN.	.07	.01	.01	.02	.24	.36	.02	.004	.05	.40	.47	.32

CAL YR 1962 TOTAL 4,764.50 MEAN 13.1 MAX 206 MIN .30 CFSM .10 IN 1.31  
 WAT YR 1963 TOTAL 7,356.40 MEAN 20.2 MAX 132 MIN .10 CFSM .15 IN 2.03

## 2-3207 Santa Fe River near Graham, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	80	1 7	5 4	14	105	351	58	64	20	4.4	42	78
2	73	2.2	4.7	13	144	316	53	70	19	5.5	39	73
3	64	7 1	4 4	12	124	275	48	81	17	6 5	37	67
4	53	2.0	4.2	11	114	234	44	47	16	7.5	40	60
5	45	3.1	3.6	11	114	201	41	44	14	6.8	42	61
6	38	5.0	3.4	11	234	172	36	96	13	5.7	49	69
7	32	5.0	3.1	14	214	148	34	88	13	4.8	50	63
8	28	4.4	3.0	18	351	130	34	91	1.4	4 2	105	53
9	24	3.9	2.9	28	326	115	32	76	11	3.7	168	50
10	20	5 9	2 6	32	307	104	30	73	10	3.3	123	526
11	18	7 5	2.5	53	270	94	28	68	9.3	3.6	114	1,420
12	16	7 7	2.6	256	234	87	26	66	8.6	7 5	112	1,870
13	14	7.0	5.2	269	200	62	25	66	7.7	16	118	1,940
14	12	6.4	5.9	278	175	77	24	66	7.0	16	109	1,360
15	11	5 9	5 4	252	154	73	23	65	6.2	13	92	966
16	9.3	5.8	5.0	220	136	69	22	60	5.3	11	81	685
17	9.1	5 6	4 6	225	120	65	20	56	4 6	10	75	516
18	8.2	5.2	4.3	309	122	60	18	52	3.9	16	72	417
19	7.2	4.4	3.9	242	144	58	18	48	3.2	18	76	457
20	6.4	4.6	3 7	270	144	58	17	45	2.9	15	85	321
21	5.6	4.3	3.5	236	136	56	16	41	3.9	13	93	291
22	4.9	4 0	3.5	202	118	53	15	39	5.6	13	100	271
23	4.4	3 7	3.0	174	105	50	14	36	5.4	12	91	257
24	4.2	3 6	4 7	152	92	47	14	34	4.7	11	80	238
25	3.7	3.5	4 9	132	65	44	16	33	4.0	13	83	220
26	3.5	3.6	4.7	120	80	43	18	37	3 7	18	91	206
27	3.1	4.6	4.0	90	74	42	34	34	3.8	40	67	197
28	2.9	3 4	4.4	209	479	73	46	31	3.9	46	66	188
29	2.4	5 3	4.3	211	345	73	60	28	4 1	38	78	179
30	2.0	5 9	4.3	208	-----	69	60	25	3 9	31	77	171
31	1.8	-----	7.4	187	-----	64	-----	22	-----	30	79	-----
TOTAL	607 2	136.7	130.3	4,590	5,181	3,418	914	1,764	245.7	443.5	2,534	13,070
MEAN	19.6	4.56	4 20	148	171	110	30.2	56.9	16.19	14.3	81.7	436
MAX	80	7.7	7 4	309	351	451	60	96	20	46	168	1,870
MIN	1 8	1.7	2.5	11	80	44	14	22	2.9	3.3	37	50
CFSM	15	0.03	0.3	1.10	1 32	82	23	42	0.6	1.11	61	3 23
IN.	17	04	04	1 26	1 43	44	25	49	0.07	0.12	70	3.60
CAL YR 1963	TOTAL	7,911 20	MEAN	1.7	MAX	132	MIN	10	CFSM	16	IN	2.18
WAT YR 1964	TOTAL	33,034.4	MEAN	90 3	MAX	1,870	MIN	1.7	CFSM	67	IN	9.10

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	165	60	54	134	50	206	104	25	1 6	64	73	220
2	161	73	50	159	55	192	98	24	1.3	59	136	200
3	160	78	49	141	60	200	91	27	1.1	53	148	150
4	164	71	126	126	58	320	86	21	1 2	46	169	124
5	170	78	192	113	56	407	80	19	1.4	40	185	100
6	170	76	232	104	54	280	75	18	1.2	36	177	90
7	160	72	247	96	100	255	70	16	1.3	34	154	80
8	150	68	225	89	131	223	66	15	2.5	37	135	70
9	140	66	144	84	145	156	61	14	3.9	41	139	66
10	132	60	106	79	150	177	57	13	6.7	41	129	59
11	124	58	145	75	133	164	54	12	27	44	126	52
12	118	55	126	71	114	152	50	11	45	54	122	47
13	113	52	111	68	123	145	48	10	76	63	120	43
14	113	51	102	65	108	143	43	9.1	78	59	117	40
15	119	49	93	64	993	136	40	8.0	44	63	129	38
16	127	48	85	62	361	129	37	7.4	129	65	133	37
17	127	47	80	59	317	121	34	6.4	177	62	115	35
18	122	46	77	55	276	114	32	5 8	134	58	95	34
19	114	45	72	53	239	233	30	5 0	122	55	81	32
20	107	45	68	51	206	325	28	4 3	113	47	71	30
21	98	53	65	49	177	350	26	3.7	103	46	61	28
22	90	60	63	47	153	316	26	3.1	91	60	54	26
23	95	60	60	46	158	270	29	2 5	78	60	49	25
24	80	59	56	51	283	232	27	2.1	68	53	53	24
25	75	61	56	58	304	202	26	1.7	61	47	68	23
26	70	60	55	57	301	177	27	1.4	57	42	92	21
27	56	70	305	60	275	158	28	3 3	56	37	99	41
28	60	54	271	58	239	143	28	2.9	63	34	235	84
29	64	58	255	55	-----	131	27	2 9	69	37	224	143
30	61	58	241	54	-----	120	26	2 5	68	43	228	222
31	58	-----	213	53	-----	112	-----	2.1	-----	50	230	-----
TOTAL	3,573	1,783	4,074	2,386	5,221	6,227	1,450	293 2	1,721.2	1,530	3,947	2,182
MEAN	115	59.4	131	77.0	180	201	48.3	9.46	57.4	49.4	127	72.7
MAX	170	79	305	146	393	350	104	25	177	65	235	222
MIN	58	45	49	46	50	112	26	1 4	1.1	34	49	21
CFSM	65	46	49	57	1 38	1.49	36	2.07	4.62	3.7	54	54
IN.	98	49	1.12	0.66	1.44	1.72	4.40	0.08	0.47	0.42	1 09	0.60
CAL YR 1964	TOTAL	41,590.2	MEAN	114	MAX	1,870	MIN	2.9	CFSM	84	IN	11.46
WAT YR 1965	TOTAL	34,397.4	MEAN	94.2	MAX	393	MIN	1.1	CFSM	70	IN	9.48

## 2-3210 New River near Lake Butler, Fla

Location --Lat 30°00', long 82°17', in sec 2, T 6 S, R 20 E, near right bank on downstream side of bridge on State Highway 100, 4 4 miles southeast of village of Lake Butler, Union County

Drainage area --212 sq mi

Records available --January 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 83 8 ft above mean sea level, datum of 1929 Prior to Feb 12, 1964, graphic water-stage recorder at same site and datum

Average discharge --15 years, 160 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,200 cfs revised), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 9, 1960	0830	1,440	8 53	Aug 23, 1963	0300	a 1,140	8 31	Sept 12, 1964	2300	* 11,400	15 33
July 22, 1961	1800	1,880	8 99	Oct 1, 1963	0900	1,570	8 78	Dec 7, 1964	2130	1,770	8 96
July 27, 1961	1600	1,450	8 54	Jan 13, 1964	0230	2,170	9 30	Dec 28, 1964	0115	2,000	9 16
Aug 20, 1961	1730	* 2,470	9 53	Jan 18, 1964	0900	1,430	8 64	Feb 15, 1965	0845	* 2,150	9 28
Aug 27, 1961	1200	2,200	9 31	Feb 28, 1964	2130	2,260	9 37	Feb 27, 1965	0815	1,450	8 66
Sept 25, 1962	1400	* 128	4 91	May 4, 1964	1245	5,190	11 61				

a Maximum peak discharge, maximum discharge, 1,550 cfs Sept 30, 1963 (gage height, 8 76 ft, stage rising)

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 6, 7, 1961	a 1 5	b 0 82	1964	June 25, 26, 1964	2 2	0 99
1962	May 20, 1962	1 3	c 74	1965	June 2, 3, 1965	1 2	84
1963	May 21, 1963	1 7	75				

a Minimum daily

b Occurred June 7, 1961

c Occurred about July 15, 1962

1950-65 Maximum discharge, 11,400 cfs Sept 12, 1964 (gage height, 15 33 ft), minimum, 0 20 cfs for several days in June 1955, minimum gage height, 0 52 ft Aug 20, 21, 1954

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

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,350	35	6 2	20	63	336	48	14	2 6	93	323	1,750
2	1,170	39	5 7	21	56	280	42	13	2 3	83	296	988
3	948	15	5 5	20	88	196	35	11	2 0	77	238	763
4	714	30	5 2	18	199	154	31	10	1 8	74	167	555
5	510	27	5 2	16	271	124	26	8 9	1 6	70	117	407
6	582	24	5 0	15	207	105	23	6 6	1 5	64	88	305
7	379	22	4 8	14	227	90	24	7 7	1 5	48	78	227
8	818	29	4 8	14	392	76	22	5 7	1 8	37	67	184
9	1,350	19	4 6	16	440	65	24	6 1	2 0	31	52	151
10	1,100	18	4 6	17	368	53	51	1 7	1 7	28	46	122
11	1,040	16	5 8	16	343	44	64	14	2 0	27	39	105
12	988	16	8 5	16	305	37	104	12	3 6	33	32	96
13	818	15	7 4	19	245	33	211	10	6 3	58	45	86
14	610	14	7 4	28	190	30	195	8 4	2 0	99	104	90
15	444	14	11	33	152	27	142	7 1	4 2	84	65	98
16	340	13	17	30	122	25	186	6 0	5 8	74	53	92
17	257	12	16	26	102	22	294	5 2	6 7	94	41	88
18	194	11	15	24	86	37	251	4 6	6 2	135	38	87
19	196	11	13	23	75	87	213	4 3	6 0	250	68	71
20	129	13	12	24	79	143	202	4 0	7 4	634	1,660	61
21	110	4 2	15	24	96	252	177	3 9	9 9	1,120	1,720	52
22	96	8 7	18	23	142	309	140	4 4	11 5	1,790	1,360	45
23	84	8 5	18	21	243	330	100	3 5	108	1,720	1,350	40
24	73	8 1	17	20	500	401	74	3 2	95	1,320	1,560	34
25	64	7 7	16	22	640	388	53	4 5	78	1,090	1,270	30
26	55	7 4	15	28	555	285	40	6 0	85	1,100	1,070	26
27	48	7 2	14	34	490	191	32	5 0	97	1,230	2,010	23
28	42	7 2	14	33	414	135	26	4 5	102	1,090	1,690	20
29	37	7 0	13	42	-----	96	21	3 9	81	872	1,510	18
30	33	6 9	14	68	-----	70	17	3 4	90	652	1,680	15
31	32	-----	16	75	-----	53	-----	3 0	-----	440	1,550	-----
TOTAL	14,371	479 9	334 7	800	7,090	4,456	2,868	220 9	1,364 7	14,517	20,387	6,124
MEAN	466	16 0	10 8	25 8	253	144	95 6	7 13	45 5	468	658	204
MAX	1,350	39	18	75	640	401	294	17	11 5	1,790	2,010	1,250
MIN	32	6 9	4 6	14	56	27	17	3 0	1 5	27	32	15
CFSM	2 19	.08	.05	.12	1 19	.68	.45	.03	.21	2 21	3 10	.96
IN.	2 52	.08	.06	.14	1 24	.78	.50	.04	.24	2 55	3 58	1 07

CAL YR 1960 TOTAL 14,263.3 MEAN 285 MAX 4,290 MIN 1 3 CFSM 1.34 IN 18.29  
WAT YR 1961 TOTAL 73,013.2 MEAN 200 MAX 2,010 MIN 1.5 CFSM .94 IN 12.81



## 2-3210 New River near Lake Butler, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	2.8	6.3	5.6	7.2	5.8	29	3.7	3.0	3.9	11	6.0
2	12	2.7	6.3	5.8	7.0	7.5	53	2.8	2.7	3.3	8.4	5.0
3	11	2.6	5.9	5.7	6.7	12	53	2.4	2.7	2.8	19	14
4	9.6	2.6	5.7	5.5	6.8	15	33	2.1	2.4	2.5	31	27
5	8.7	3.0	5.5	5.3	6.3	13	25	2.1	2.0	2.5	15	27
6	7.7	8.4	5.3	5.7	7.0	10	22	2.0	1.7	2.0	11	21
7	7.1	23	5.1	7.3	7.9	1.8	20	1.9	6.8	2.2	19	20
8	6.7	23	4.9	9.1	9.4	7.6	19	1.8	17	9.8	54	24
9	6.3	16	4.7	8.0	9.4	7.3	17	1.7	9.3	5.1	58	18
10	5.7	10	4.6	7.9	12	7.1	14	1.6	7.3	3.4	30	13
11	5.3	9.1	4.6	10	12	7.0	12	1.7	5.8	2.4	21	9.7
12	5.1	9.4	4.6	14	10	6.7	10	1.9	5.0	1.9	17	8.9
13	5.0	9.6	6.1	17	8.8	6.4	11	1.9	4.3	1.6	13	7.3
14	5.0	9.1	6.4	14	8.4	6.2	11	1.7	3.5	1.5	10	7.2
15	5.1	3.5	6.4	12	7.8	9.4	9.6	1.6	6.3	1.4	7.6	5.7
16	4.5	8.0	6.3	11	7.8	12	8.0	1.5	13	5.7	6.1	4.8
17	4.3	7.6	6.3	10	4.0	17	6.7	1.5	8.9	4.6	5.7	3.9
18	4.1	7.0	6.3	9.6	4.0	10	5.8	1.4	6.4	3.8	5.1	3.4
19	3.9	6.6	6.6	9.1	7.8	8.5	5.2	1.4	4.3	32	5.1	3.2
20	3.7	6.2	6.8	8.6	9.0	7.6	4.9	1.5	3.2	27	5.3	3.2
21	3.4	6.1	6.6	8.8	8.0	7.3	4.6	2.1	2.5	19	4.4	3.3
22	3.2	5.7	6.3	8.6	7.8	7.3	4.0	1.9	3.2	15	6.8	4.3
23	3.1	7.0	6.1	8.5	7.2	16	3.7	1.8	5.3	12	18	19
24	3.0	10	5.6	4.4	7.0	24	3.4	2.9	3.7	11	22	71
25	3.0	10	5.7	8.2	6.8	24	3.2	4.0	3.0	10	26	170
26	2.8	9.3	5.5	7.9	6.7	20	3.1	3.1	2.2	9.8	23	91
27	2.6	8.2	5.3	7.8	6.4	18	3.3	2.3	1.8	9.5	21	94
28	2.3	7.6	5.7	8.4	6.2	17	4.3	1.9	2.5	10	17	97
29	2.5	7.2	5.6	8.4	6.4	15	4.1	2.2	2.6	12	13	26
30	2.9	6.8	5.3	7.9	-----	14	4.0	2.0	7.6	12	9.8	20
31	2.8	-----	5.1	7.6	-----	13	-----	2.9	-----	13	7.4	-----
TOTAL	166.6	263.1	177.9	271.7	223.2	355.2	406.9	65.9	145.0	252.7	520.7	675.9
MEAN	5.37	8.77	5.74	8.6	7.97	11.5	13.6	2.13	4.87	8.15	16.8	22.5
MAX	14	28	6.8	17	12	24	53	4.0	17	32	58	120
MIN	2.5	7.6	4.6	5.3	6.2	5.8	3.1	1.4	1.7	1.4	4.4	3.2
CFSM	0.3	0.4	0.3	0.4	0.4	0.5	0.6	0.1	0.2	0.4	0.8	1.1
IN.	0.3	0.5	0.3	0.5	0.4	0.6	0.7	0.1	0.3	0.4	0.9	1.2
CAL YR 1961	TOTAL	58,435.2	MEAN	160	MAX	2,010	MIN	1.5	CFSM	.76	IN	10.25
WAT YR 1961	TOTAL	3,524.8	MEAN	9.66	MAX	120	MIN	1.4	CFSM	.05	IN	.62

Note --No gage-height record June 20 to July 31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	16	3.8	11	11	18.9	325	17	4.5	6.3	71	127	259
2	14	3.8	12	9.7	158	390	16	4.2	6.3	85	109	897
3	13	3.8	12	9.7	143	582	14	3.4	5.3	85	220	917
4	21	4.3	10	9.3	379	522	13	3.2	4.4	134	134	774
5	25	4.4	9.0	8.9	931	480	12	2.9	3.9	196	82	582
6	41	4.2	8.7	10	945	446	11	2.4	3.8	466	57	582
7	37	3.8	8.5	20	994	371	14	2.6	3.8	334	40	653
8	56	3.7	8.4	34	839	296	14	3.9	3.6	338	37	482
9	46	3.9	8.4	27	635	242	13	3.1	3.6	594	595	358
10	44	3.9	8.2	21	482	744	12	2.7	6.8	685	435	274
11	34	3.7	7.9	20	473	252	11	2.5	5.3	582	287	210
12	26	3.7	8.5	22	442	218	10	2.4	4.8	442	229	156
13	21	4.3	8.9	46	666	186	9.5	2.2	6.0	329	217	117
14	17	4.4	9.2	80	586	163	8.7	2.1	5.0	242	186	90
15	14	4.3	9.2	81	526	145	7.8	2.4	3.9	177	155	70
16	12	4.3	9.0	65	463	128	7.0	2.5	3.3	130	247	55
17	11	4.2	9.7	60	379	114	6.3	2.4	3.5	140	612	45
18	9.0	4.0	8.4	59	302	99	5.8	2.2	4.5	441	486	39
19	7.8	4.0	8.2	57	278	86	5.3	2.0	4.4	486	510	34
20	6.7	4.2	8.4	53	385	75	5.0	1.8	3.7	478	695	29
21	5.7	4.6	8.4	49	399	65	4.6	1.8	3.4	502	730	26
22	5.7	6.1	8.4	46	360	56	4.4	2.2	4.0	474	1,020	23
23	5.4	6.0	8.4	43	334	48	3.9	2.5	5.1	429	1,080	24
24	4.9	5.8	8.2	41	321	42	3.7	2.4	8.5	399	1,010	27
25	4.4	5.8	8.1	42	452	36	3.6	2.3	29	371	904	26
26	4.0	5.6	7.9	44	482	32	3.4	2.2	47	329	741	28
27	3.8	5.1	10	62	402	29	3.3	10	46	278	599	40
28	3.6	5.0	13	158	363	26	3.3	39	33	237	470	75
29	3.4	5.4	14	300	-----	23	2.9	26	46	196	373	220
30	3.2	8.7	13	248	-----	21	2.9	12	67	165	291	1,340
31	3.6	-----	12	208	-----	19	-----	7.8	-----	182	218	-----
TOTAL	541.2	138.8	294.0	1,943.9	13,204	5,767	248.1	164.0	381.0	9,936	12,891	8,452
MEAN	17.5	4.03	9.48	62.7	472	186	8.7	5.20	12.7	321	416	282
MAX	57	6.7	14	300	994	582	17	39	67	685	1,080	1,340
MIN	3.2	3.7	7.9	8.9	143	19	2.9	1.8	3.3	64	37	23
CFSM	0.8	0.2	0.4	30	2.22	88	0.4	0.2	0.6	1.51	1.96	1.33
IN.	0.09	0.2	0.5	34	2.32	1.01	0.4	0.3	0.7	1.74	2.26	1.48
CAL YR 1962	TOTAL	3,491.2	MEAN	10.7	MAX	120	MIN	1.4	CFSM	.05	IN	9.47
WAT YR 1963	TOTAL	53,961.0	MEAN	148	MAX	1,340	MIN	1.8	CFSM	.70	IN	9.47

## 2-3210 New River near Lake Butler, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,540	11	28	48	363	2,030	55	230	11	3.6	186	559
2	1,360	11	24	65	325	1,670	49	285	9.8	11	350	502
3	1,090	11	22	55	274	1,130	43	2,980	8.2	20	382	444
4	815	10	20	50	229	803	39	5,010	6.7	14	329	367
5	617	19	20	49	208	616	36	3,910	5.8	11	415	291
6	474	39	19	49	418	477	33	2,490	6.3	8.2	398	220
7	355	36	17	54	582	369	31	1,530	9.6	6.4	272	162
8	276	29	17	75	820	293	28	1,010	10	5.2	379	122
9	212	24	16	134	1,010	237	27	727	8.7	4.3	352	103
10	164	25	15	296	874	197	25	544	7.5	3.7	276	1,630
11	131	30	14	366	797	164	23	400	6.2	4.4	222	6,920
12	108	48	14	993	666	141	20	299	5.2	7.8	171	10,300
13	90	55	30	1,910	528	125	18	224	4.7	8.8	135	10,400
14	75	45	52	1,610	413	112	18	174	4.2	9.6	134	7,470
15	66	38	46	1,510	316	100	23	139	3.9	13	118	5,010
16	62	34	35	1,080	289	90	20	111	3.4	9.6	89	3,230
17	56	31	28	924	255	81	17	90	3.1	8.8	70	2,080
18	48	28	26	1,350	261	73	14	73	2.9	9.8	59	1,370
19	41	26	24	1,150	430	64	12	60	2.6	14	58	974
20	36	24	22	1,070	414	65	11	49	2.7	13	88	729
21	31	23	21	945	344	66	9.8	40	2.8	11	124	565
22	27	21	19	758	309	62	9.0	34	2.7	10	127	436
23	24	20	19	612	272	54	8.1	29	2.9	8.5	145	337
24	22	19	24	494	232	48	7.5	24	2.6	7.2	135	267
25	21	19	27	405	200	44	7.3	21	2.3	17	108	210
26	19	18	26	355	181	44	7.2	25	2.3	58	97	171
27	18	18	24	321	219	60	8.4	26	2.9	129	127	150
28	16	17	23	350	1,550	78	99	19	3.7	248	135	128
29	14	22	22	470	2,020	79	349	16	4.2	283	345	110
30	13	29	22	414	-----	72	334	13	4.0	214	558	96
31	12	-----	24	382	-----	64	-----	12	-----	176	569	-----
TOTAL	7,833	760	740	18,344	14,823	9,508	1,381.4	20,594	152.9	1,367.9	6,953	55,353
MEAN	255	26.0	23.4	592	511	307	46.0	664	5.10	44.1	224	1,845
MAX	1,540	55	52	1,910	2,020	2,030	369	5,010	11	283	569	10,400
MIN	12	10	14	48	181	44	7.2	17	2.3	3.6	58	96
CFSM	1.17	.12	.11	2.79	2.41	1.45	.22	3.13	.02	.21	1.06	8.70
IN.	1.37	.14	.13	3.22	2.60	1.67	.24	3.61	.03	.24	1.22	9.71

CAL YR 1963 TOTAL 62,340.0 MEAN 171 MAX 1,540 MIN 1.8 CFSM .81 IN 10.94  
WAT YR 1964 TOTAL 137,830.1 MEAN 377 MAX 10,400 MIN 2.3 CFSM 1.78 IN 24.18

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	95	28	52	735	53	792	132	8.1	1.5	43	425	554
2	95	60	49	606	54	619	115	7.2	1.3	39	721	535
3	90	95	54	476	58	584	101	6.7	1.2	37	856	597
4	94	93	232	375	59	629	88	6.2	1.8	32	749	430
5	106	81	1,140	300	54	700	79	5.7	3.3	25	651	309
6	96	78	1,650	245	51	627	71	5.0	3.8	32	605	231
7	81	76	1,700	197	82	574	64	4.8	3.1	60	546	177
8	69	71	1,590	170	165	495	57	4.8	5.8	118	412	143
9	60	64	1,180	146	206	403	50	4.1	10	120	394	123
10	54	57	850	128	183	324	44	3.8	7.1	93	462	110
11	47	50	644	114	170	265	38	3.5	18	75	324	98
12	42	44	511	102	152	215	34	3.3	25	74	264	83
13	39	59	407	91	161	182	30	3.1	40	71	248	69
14	41	35	345	83	668	172	25	2.9	48	79	235	58
15	57	33	312	77	2,030	168	21	2.7	55	109	247	50
16	76	33	279	72	1,990	151	18	2.6	139	201	741	43
17	85	30	234	66	1,840	131	16	2.5	324	273	999	45
18	79	27	201	61	1,290	117	14	2.3	386	721	761	48
19	71	25	182	50	969	158	13	2.3	315	628	658	44
20	64	24	162	51	753	504	12	2.2	307	555	570	41
21	53	25	144	48	589	633	11	2.0	352	427	462	38
22	52	30	141	45	566	592	10	2.0	298	354	368	36
23	46	29	139	43	590	438	10	2.0	205	286	304	33
24	41	27	127	44	576	451	8.8	1.9	137	212	290	30
25	37	34	116	47	1,110	374	7.9	1.9	97	165	231	27
26	33	42	106	51	1,450	306	9.4	1.9	78	140	186	24
27	31	45	1,010	60	1,410	255	11	1.6	109	132	156	52
28	28	45	1,700	59	1,120	211	11	2.3	80	116	138	287
29	27	49	1,320	54	-----	195	11	2.4	65	131	171	710
30	25	52	1,280	51	-----	177	9.1	1.9	55	218	374	1,400
31	23	-----	1,040	53	-----	153	-----	1.8	-----	328	625	-----
TOTAL	1,846	1,421	18,897	4,758	17,399	11,690	1,121.2	105.7	3,171.9	5,894	14,153	6,425
MEAN	59.5	47.4	610	153	543	377	37.4	3.41	106	190	457	214
MAX	106	95	1,700	785	2,030	792	132	8.1	386	721	999	1,400
MIN	23	24	45	43	51	117	7.9	1.8	1.2	25	138	24
CFSM	.28	.22	2.88	.72	3.03	1.78	.18	.02	.50	.90	2.16	1.01
IN.	.32	.25	3.31	.83	3.16	2.05	.20	.02	.56	1.03	2.49	1.13

CAL YR 1964 TOTAL 120,641.1 MEAN 412 MAX 10,400 MIN 2.3 CFSM 1.94 IN 26.43  
WAT YR 1965 TOTAL 87,501.8 MEAN 240 MAX 2,030 MIN 1.2 CFSM 1.13 IN 15.35

## 2-3215 Santa Fe River at Worthington, Fla

Location --Lat 29°55', long 82°26', on line between secs 32 and 33, T 6 S, R 19 E, near center of span on downstream side of bridge on State Highway 23, half a mile south of Worthington, Union County, and three-quarters of a mile downstream from New River

Drainage area --630 sq mi, approximately

Records available --October 1931 to September 1965 Monthly discharge only for October 1931, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is 42 74 ft above mean sea level (levels by Corps of Engineers) Prior to Jan 16, 1939, staff gage at site a quarter of a mile downstream at same datum Jan 16, 1939 to July 23, 1953, wire-weight gage and July 24, 1953, to Feb 11, 1964, graphic water-stage recorder, at present site and datum

Average discharge --34 years, 433 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 1, 1961	4,250	19 36	June 7, 10, 1961	13	a 7 09
1962	Aug 7, 1962	795	14 16	May 20, 29, 1962	3 6	6 87
1963	Aug 24, 1963	1,890	18 83	May 21, 22, 1963	8 8	b 7 00
1964	Sept 13, 1964	20,000	28 40	June 25, 26, 1964	17	7 22
1965	Feb 17, 1965	3,550	18 92	June 3, 4, 1965	9 8	7 35

a Occurred June 7, 1961

b Occurred June 22, 1963

1931-65 Maximum discharge, 20,000 cfs Sept 13, 1964 (gage height, 28 40 ft), minimum discharge, 0 50 cfs June 24, 1955 (gage height 6 74 ft)

Remarks --Records good prior to Oct 1, 1963, fair thereafter Records do not include diversions, during periods of high stages, from Santa Fe Lake through Lochloosa Creek in St Johns River basin Records of chemical analyses for the water year 1965 and of water temperatures for the water years 1962, 1965 are published in reports of the Geological Survey

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	3,000	347	115	138	224	1,100	273	92	18	152	1,090	4,160
2	2,790	176	110	158	214	966	244	90	17	176	948	3,680
3	2,410	381	104	151	264	832	212	86	16	153	984	2,960
4	2,010	375	101	141	392	702	184	78	15	132	960	2,270
5	1,660	363	98	129	423	602	169	70	14	117	828	1,780
6	1,400	345	95	121	455	516	151	64	14	108	660	1,470
7	1,230	320	92	115	554	448	151	58	13	103	548	1,240
8	1,190	295	83	113	761	392	149	53	17	96	472	1,070
9	1,490	274	86	118	805	342	146	48	14	99	439	936
10	2,100	257	84	117	868	295	186	57	13	197	770	822
11	2,190	242	87	113	875	258	194	72	14	420	792	734
12	1,930	228	115	109	305	229	231	75	27	324	589	680
13	1,770	218	129	113	724	207	372	63	30	334	497	656
14	1,670	210	124	142	653	188	399	54	56	342	1,390	643
15	1,460	199	119	146	582	176	404	48	62	363	1,420	641
16	1,270	188	150	143	508	162	608	44	70	368	993	618
17	1,110	178	157	138	445	151	832	38	76	323	782	576
18	975	171	148	129	386	148	842	35	124	299	624	530
19	855	165	136	120	349	159	775	33	138	494	537	487
20	741	159	128	125	334	205	651	32	146	777	1,450	453
21	663	156	129	124	334	371	542	30	164	1,310	2,830	417
22	600	155	138	117	366	525	459	29	190	1,580	3,640	379
23	544	148	135	110	494	611	388	27	180	2,170	3,130	340
24	497	141	129	108	790	619	318	25	165	2,600	2,600	310
25	456	137	124	128	1,000	606	256	25	146	2,610	2,350	282
26	418	134	119	144	1,180	614	203	25	150	2,310	2,260	260
27	386	130	115	146	1,250	602	163	32	156	2,480	2,190	239
28	360	127	111	141	1,190	532	139	40	157	2,300	2,510	223
29	336	122	107	168	-----	442	120	27	161	1,990	2,840	207
30	313	120	107	228	-----	356	104	23	147	1,600	3,390	191
31	302	-----	115	227	-----	292	-----	20	-----	1,310	4,060	-----
TOTAL	38,126	6,664	3,596	4,220	17,245	13,648	9,869	1,493	2,510	27,637	48,573	29,254
MEAN	1,230	222	116	136	556	440	329	47.8	83.7	892	1,567	975
MAX	3,000	381	157	228	1,250	1,100	842	92	190	2,610	4,060	4,160
MIN	302	120	84	108	214	148	104	20	13	96	439	191
CFSM	1.95	.35	.18	.22	.98	.70	.52	.08	.13	1.42	2.49	1.55
IN.	2.25	.39	.21	.25	1.02	.81	.58	.09	.15	1.63	2.87	1.73
CAL YR 1960	TOTAL 268,915	MEAN 735	MAX 7,390	MIN 30	CFSM 1.17	IN 15.87						
WAT YR 1961.	TOTAL 202,824	MEAN 556	MAX 4,160	MIN 13	CFSM .88	IN 11.97						

## 2-3215 Santa Fe River at Worthington, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	179	49	55	33	44	36	83	13	12	78	485	151
2	170	47	52	34	42	39	139	12	10	83	386	171
3	161	44	50	34	42	61	152	12	10	54	297	179
4	152	43	48	33	41	65	156	10	9 4	36	239	154
5	143	46	46	32	40	60	138	9 4	9 0	36	269	197
6	136	66	44	35	49	54	113	8 6	7 9	31	254	278
7	129	133	42	44	56	47	98	8 3	13	35	608	366
8	123	156	41	45	52	42	95	7 1	20	137	706	462
9	113	150	40	44	51	39	86	8 3	36	112	480	505
10	111	137	38	46	51	38	75	8 6	44	59	356	566
11	106	122	37	54	74	37	62	7 2	32	37	269	497
12	101	110	36	73	71	38	54	6 9	24	26	202	380
13	93	101	40	79	64	45	55	6 2	23	20	151	305
14	97	92	44	76	58	41	41	5 9	21	16	111	261
15	110	85	45	72	53	52	42	5 5	21	15	83	720
16	107	81	43	67	52	61	38	4 8	87	16	77	186
17	95	75	42	61	51	55	34	4 5	101	17	147	157
18	87	70	40	57	49	49	30	4 2	84	18	123	131
19	82	66	40	54	46	44	28	3 9	64	78	82	115
20	78	63	46	51	48	39	25	4 2	41	188	64	101
21	73	60	38	50	50	37	22	4 5	30	317	56	92
22	69	58	36	46	53	35	21	4 8	37	278	76	86
23	66	61	35	47	49	58	19	6 2	121	225	94	96
24	63	64	34	47	46	104	18	5 2	74	162	123	125
25	61	82	33	46	44	104	17	4 3	43	108	163	191
26	58	74	32	46	41	107	16	4 5	29	77	174	243
27	55	69	31	46	40	90	16	4 8	22	66	176	279
28	52	60	33	47	38	73	15	4 5	53	70	186	267
29	50	61	33	43	-----	62	14	4 5	70	147	167	222
30	50	58	32	47	-----	54	14	7 9	58	138	138	180
31	51	-----	32	46	-----	49	-----	8 6	-----	379	119	-----
TOTAL	3,031	2,409	1,213	1,542	1,412	1,715	1,723	211 4	1,206 3	3,191	6,856	7,108
MEAN	97.8	80.3	39.8	49.7	50.4	55.3	57.4	6 8	40 2	103	221	237
MAX	179	156	55	79	74	107	156	13	171	379	706	566
MIN	40	43	31	32	36	35	14	3 9	7 9	15	86	86
CFSM	16	13	06	08	08	09	09	001	06	16	35	38
IN.	18	14	00	09	08	10	10	01	07	19	40	42

CAL YR 1961 TOTAL 161,112 MEAN 441 MAX 4,160 MIN 13 CFSM .70 IN 9.51  
 WAT YR 1962 TOTAL 31,637.7 MEAN 36.7 MAX 706 MIN 3.9 CFSM .14 IN 1.87

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	143	37	94	59	334	820	94	27	30	215	460	657
2	124	36	89	56	310	915	66	32	24	358	437	593
3	110	34	76	53	299	1,740	74	27	21	543	368	630
4	99	35	71	51	435	1,120	74	25	19	636	379	777
5	94	35	66	49	591	1,180	68	22	17	537	354	1,110
6	93	34	64	53	596	1,090	63	20	17	445	307	1,130
7	91	32	62	74	973	984	77	17	21	446	275	1,010
8	98	41	59	104	1,120	860	79	15	24	581	177	948
9	110	32	57	94	1,130	792	72	14	19	647	146	903
10	109	31	55	91	1,030	782	65	13	17	718	251	768
11	109	30	53	82	890	750	60	17	16	825	567	641
12	93	30	56	78	973	720	56	12	20	875	616	547
13	82	35	57	95	1,000	672	55	11	22	796	553	464
14	73	37	56	113	960	617	49	10	18	678	509	391
15	66	34	55	124	999	560	45	11	15	592	577	327
16	59	33	54	136	921	507	41	11	14	515	782	275
17	54	32	53	137	925	464	38	11	14	468	834	236
18	51	32	52	126	748	422	36	10	14	458	981	210
19	46	33	51	118	738	380	19	9 6	14	434	1,070	189
20	44	33	50	114	808	340	31	12	13	543	951	173
21	42	33	49	124	792	301	30	9 2	12	617	933	164
22	44	37	48	138	766	262	29	6 8	11	662	1,560	157
23	46	37	47	124	723	240	27	13	12	726	1,770	143
24	41	36	46	112	720	205	25	41	20	696	1,880	142
25	38	35	45	100	698	183	24	26	32	738	1,630	147
26	36	33	44	96	930	164	22	16	89	724	1,500	157
27	35	32	43	147	942	146	21	15	91	659	1,360	164
28	34	31	73	228	903	134	20	31	87	603	1,160	175
29	33	40	74	246	-----	121	19	48	84	546	999	314
30	32	60	68	271	-----	112	19	54	92	488	862	515
31	35	-----	63	320	-----	103	-----	40	-----	474	744	-----
TOTAL	2,157	1,040	1,841	3,733	22,519	16,998	1,437	623 6	899	18,261	24,886	14,242
MEAN	69.6	34.7	59.4	120	804	548	47 4	20 1	30 0	589	803	475
MAX	145	60	94	320	1,180	94	54	92	87	875	1,880	1,310
MIN	32	30	44	49	299	103	19	8 8	11	215	146	142
CFSM	11	06	09	19	1 24	87	08	03	05	04	1 27	75
IN.	13	06	11	22	1 33	1 00	08	04	05	1 08	1 47	84

CAL YR 1962 TOTAL 30,002.7 MEAN 298 MAX 706 MIN 3.9 CFSM .13 IN 1.77  
 WAT YR 1963 TOTAL 106,336.6 MEAN 298 MAX 1,880 MIN 8.8 CFSM .47 IN 6.41

## 2-3215 Santa Fe River at Worthington, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	615	62	89	110	1,220	3,400	377	589	72	21	463	723
2	1,510	66	87	127	1,220	3,480	336	617	67	21	407	855
3	1,660	65	83	145	1,030	3,190	299	637	62	23	457	861
4	1,510	61	77	149	957	2,540	270	1,450	55	32	540	794
5	1,270	78	73	138	892	2,110	245	4,270	50	39	636	715
6	1,040	154	68	127	1,010	1,700	225	4,700	49	36	819	636
7	852	172	66	141	1,110	1,410	209	3,540	55	29	968	557
8	708	153	64	168	1,620	1,200	192	2,430	51	24	1,630	481
9	600	128	62	270	2,000	1,040	179	1,600	46	21	1,440	413
10	511	126	59	455	2,340	913	166	1,270	42	20	1,150	886
11	434	133	57	512	2,250	902	154	951	39	21	1,190	4,010
12	372	137	54	901	2,900	721	142	764	35	28	1,220	12,600
13	520	132	76	1,550	1,760	662	131	637	32	49	1,220	19,000
14	274	136	102	2,410	1,590	615	121	265	29	62	1,150	18,900
15	243	133	124	2,670	1,330	574	115	462	27	55	1,030	15,200
16	236	120	126	2,490	1,180	538	112	393	24	49	874	10,900
17	222	109	111	2,320	1,070	500	107	437	22	50	698	7,510
18	195	99	98	2,310	1,010	464	99	288	20	70	566	5,110
19	172	94	85	2,390	1,080	430	91	245	19	66	496	3,770
20	153	88	76	2,420	1,080	438	84	210	20	57	465	2,940
21	137	82	71	2,250	1,110	446	78	182	21	53	453	2,390
22	124	78	67	2,060	1,060	417	73	159	21	53	527	2,040
23	113	75	67	1,810	972	381	68	147	20	46	561	1,760
24	106	73	79	1,560	906	347	64	130	19	41	551	1,550
25	100	70	84	1,340	910	320	67	118	18	44	514	1,380
26	93	68	84	1,200	763	321	61	112	18	74	461	1,230
27	67	67	84	1,070	775	409	67	103	19	192	422	1,120
28	81	66	79	1,130	1,490	453	170	106	22	327	445	1,020
29	75	76	77	1,210	2,400	479	425	98	22	378	488	952
30	69	88	76	1,280	-----	460	520	68	21	449	502	882
31	65	-----	79	1,300	-----	420	-----	43	-----	482	590	-----
TOTAL	14,147	4,990	2,484	38,014	37,915	31,280	5,237	27,327	1,017	2,912	22,923	120,985
MEAN	455	99.7	80.1	1,226	1,308	1,009	175	852	33.9	93.9	739	4,033
MAX	1,660	172	126	2,670	2,400	3,480	520	4,700	72	482	1,630	19,000
MIN	65	61	54	110	763	320	61	43	18	20	407	413
CFSM	7.12	1.65	1.15	1.95	2.08	1.60	2.6	1.40	4.05	3.15	1.17	6.40
IN.	2.84	18	15	2.24	2.24	1.85	3.31	1.61	.06	1.17	1.35	7.14

CAL YR 1963 TOTAL 123,219.0 MEAN 338 MAX 1,880 MIN 8.8 CFSM .54 IN 7.27  
WAT YR 1964 TOTAL 307,250 MEAN 839 MAX 19,000 MIN 18 CFSM 1.33 IN 18.14

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	778	211	246	2,250	310	2,310	584	83	12	264	496	694
2	738	273	222	1,900	318	2,090	535	76	11	252	825	873
3	728	308	216	1,550	352	1,970	486	71	11	228	1,120	1,950
4	716	317	313	1,740	338	1,940	436	66	17	249	1,350	2,670
5	682	326	896	1,100	323	2,090	394	42	16	741	1,380	2,170
6	660	318	1,630	971	310	2,140	358	53	21	198	1,420	1,580
7	640	299	2,230	860	558	2,000	326	54	19	198	1,400	1,160
8	606	282	2,350	764	750	1,740	290	50	33	208	1,310	910
9	568	271	2,320	690	786	1,490	272	47	77	211	1,220	748
10	535	257	2,070	620	810	1,290	248	44	56	225	1,050	614
11	496	241	1,700	564	786	1,150	226	41	83	219	941	684
12	459	225	1,460	517	728	1,030	208	39	147	203	890	556
13	427	213	1,150	477	762	941	191	36	301	279	784	427
14	418	199	1,000	439	1,320	895	173	33	361	772	692	346
15	448	189	910	412	2,420	848	158	31	340	840	730	296
16	513	187	816	390	3,250	790	146	28	561	855	875	261
17	514	181	744	364	3,510	740	134	26	1,150	794	1,030	314
18	492	174	690	340	3,260	686	124	24	1,190	738	1,360	439
19	466	164	626	318	2,780	726	115	22	1,090	774	1,320	332
20	432	158	570	299	2,260	971	107	20	959	971	1,120	276
21	394	166	534	282	1,850	1,280	101	19	788	1,230	971	241
22	365	175	502	268	1,520	1,580	96	17	650	1,070	845	213
23	338	179	472	257	1,290	1,630	95	16	570	900	734	191
24	314	183	448	263	1,460	1,460	95	15	511	780	640	176
25	292	203	427	298	1,490	1,290	91	14	426	644	555	164
26	276	231	427	304	2,430	1,140	97	14	397	519	514	151
27	277	225	2,070	332	2,600	995	105	13	447	427	466	301
28	254	217	3,130	334	2,400	885	111	12	481	366	418	1,460
29	248	247	3,430	316	-----	108	106	12	600	351	412	1,900
30	225	258	3,100	298	-----	710	91	14	305	338	530	2,160
31	214	-----	2,610	310	-----	646	-----	13	-----	395	594	-----
TOTAL	14,503	6,877	39,201	19,369	41,621	40,261	6,508	1,070	11,425	15,739	27,992	24,297
MEAN	468	229	1,265	625	1,486	1,299	217	34.5	381	508	903	810
MAX	778	326	3,430	2,430	3,510	2,310	596	83	1,190	1,230	1,420	2,670
MIN	214	158	216	257	310	646	91	12	11	198	412	151
CFSM	7.74	36	2.01	.99	2.36	2.06	.34	05	.60	.81	1.43	1.29
IN.	2.86	4.41	2.31	1.14	2.46	2.38	.38	06	.67	.93	1.65	1.43

CAL YR 1964 TOTAL 348,210 MEAN 951 MAX 19,000 MIN 18 CFSM 1.51 IN 20.56  
WAT YR 1965 TOTAL 248,863 MEAN 682 MAX 3,510 MIN 11 CFSM 1.08 IN 14.69

2-3220 Santa Fe River near High Springs, Fla

Location --Lat 29°51', long 82°38', in sec 29, T 7 S, R 17 E, near right bank at upstream side of bridge on U S Highway 27, 150 ft upstream from Atlantic Coast Line Railroad bridge, and 2 miles northwest of High Springs, Alachua County

Drainage area --950 sq mi, approximately

Records available --January 1931 to September 1965

Gage --Graphic water-stage recorder Datum of gage is 26.36 ft above mean sea level, datum of 1929 (levels by Florida State Road Department) Prior to Jan 9, 1933, staff gage and Mar 14, 1964 to Sept 28, 1964, digital water-stage recorder, at same site and datum since Oct 1, 1947, water-stage recorder for station near Fort White (station 2-3225), used as an auxiliary gage for this station

Average discharge --34 years, 809 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 4, 1961	3,150	6.63	June 11-14, 1961	435	1.50
1962	Sept 11, 12, 1962	a 590	b 2.44	June 4, 1962	149	c 76
1963	Aug 25, 1963	1,440	3.65	June 24, 1963	142	d 1.04
1964	Sept 15, 1964	20,000	e 18.96	Dec 30, 1963	162	81
1965	Jan 1, 1965	4,000	7.67	June 6, 1965	725	2.31

a Maximum peak discharge, maximum discharge during year, 900 cfs Oct 1, 1961, stage falling  
b Occurred Oct 1, 1961 c Occurred May 24, 29, June 4, 1962 Occurred Nov 23, 24, Dec 24, 1962  
e Occurred Sept 16, 1964 (backwater from Suwannee River)

1931-65 Maximum discharge, 20,000 cfs Sept 15, 1964, maximum gage height, 18.96 ft Sept 16, 1964 (backwater from Suwannee River, minimum discharge, 31 cfs Apr 28 to May 5, 1956, minimum gage height, 0.38 ft May 21, 22, 1957

Remarks --Records good except those for 1963 water year, which are fair

Revisions (water year) --WSP 1704 1948

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,960	1,380	885	710	675	1,320	875	725	466	523	1,620	2,720
2	2,340	1,360	870	700	685	1,320	840	710	462	518	1,530	2,960
3	2,550	1,330	860	695	690	1,310	825	695	458	528	1,440	3,110
4	2,610	1,310	855	700	690	1,280	810	675	453	523	1,390	3,140
5	2,580	1,300	845	705	715	1,240	774	660	448	518	1,350	3,060
6	2,500	1,290	840	710	769	1,180	764	646	448	509	1,300	2,870
7	2,400	1,280	830	700	820	1,140	742	636	444	504	1,230	2,610
8	2,360	1,230	825	690	855	1,100	725	631	448	499	1,160	2,370
9	2,300	1,220	810	675	910	1,040	725	626	448	499	1,170	2,180
10	2,320	1,200	805	665	965	986	720	631	444	504	1,080	2,020
11	2,520	1,180	810	665	1,020	950	710	611	444	518	1,110	1,880
12	2,710	1,160	795	665	1,060	920	756	602	440	572	1,130	1,780
13	2,770	1,140	774	685	1,070	890	764	602	435	592	1,100	1,680
14	2,760	1,120	785	690	1,070	870	785	597	444	602	1,100	1,600
15	2,710	1,100	810	675	1,060	845	820	587	448	611	1,280	1,540
16	2,610	1,100	810	660	1,040	825	835	577	448	626	1,400	1,480
17	2,470	1,080	774	660	1,010	810	870	567	453	636	1,370	1,420
18	2,320	1,060	774	665	986	790	950	552	453	646	1,300	1,390
19	2,200	1,040	769	675	950	774	991	552	466	650	1,260	1,340
20	2,100	1,020	774	660	925	760	1,010	548	480	690	1,220	1,290
21	1,980	1,010	785	650	910	780	991	543	514	769	1,360	1,240
22	1,890	996	747	636	905	820	975	538	514	890	1,740	1,190
23	1,820	991	742	641	925	870	955	528	518	1,060	2,100	1,140
24	1,750	970	742	641	960	905	925	518	523	1,280	2,240	1,110
25	1,680	965	742	626	1,060	920	895	514	528	1,540	2,250	1,080
26	1,610	950	742	641	1,120	940	860	518	528	1,710	2,200	1,040
27	1,560	935	736	641	1,200	955	830	494	533	1,740	2,160	996
28	1,520	925	720	636	1,280	965	790	485	528	1,780	2,130	970
29	1,470	920	720	650	-----	960	764	480	518	1,820	2,180	945
30	1,430	905	725	641	-----	935	736	476	523	1,800	2,340	915
31	1,420	-----	720	655	-----	915	-----	471	-----	1,720	2,510	-----
TOTAL	67,420	33,447	24,421	20,708	26,325	30,335	25,014	17,995	14,257	27,377	48,700	53,066
MEAN	2,168	1,115	788	668	940	979	834	580	475	883	1,571	1,769
MAX	2,770	1,380	885	710	1,280	1,320	1,010	725	533	1,820	2,510	3,140
MIN	1,420	905	720	626	675	774	710	471	435	499	1,080	915
CFSM	2.28	1.17	.83	.70	.99	1.03	.86	.61	.50	.493	1.65	1.86
IN.	2.03	1.31	.96	.81	1.03	1.19	.98	.70	.56	1.07	1.91	2.08
CAL YR 1960	TOTAL 520,446			MEAN 1,422	MAX 5,680	MIN 627	CFSM 1.50	IN 20.37				
WAT YR 1961	TOTAL 388,865			MEAN 1,065	MAX 3,140	MIN 435	CFSM 1.12	IN 15.22				

## 2-3220 Santa Fe River near High Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	890	522	423	363	262	294	280	210	166	200	345	338
2	875	510	424	348	256	291	266	203	162	196	374	345
3	855	498	419	341	252	291	266	200	156	207	385	345
4	830	494	416	341	252	294	276	196	152	214	389	374
5	800	494	416	345	252	298	294	196	162	214	385	385
6	780	510	416	352	245	291	302	193	162	207	385	382
7	765	502	408	338	234	287	305	190	159	203	408	412
8	750	506	404	334	234	280	298	190	162	210	478	443
9	735	506	400	330	245	276	287	190	166	224	531	478
10	720	514	400	334	234	273	284	186	162	231	522	522
11	706	510	404	334	220	270	284	183	166	224	466	577
12	692	506	404	338	224	270	276	183	166	220	462	586
13	687	502	400	334	228	259	270	183	166	214	439	573
14	677	494	389	341	224	256	259	176	162	207	412	551
15	654	490	389	348	220	262	262	176	166	203	393	535
16	649	482	389	341	231	259	252	179	162	203	378	518
17	644	478	397	334	234	256	252	176	162	200	363	498
18	635	474	397	334	238	256	252	173	173	203	359	474
19	626	466	389	338	234	259	256	173	183	196	352	458
20	612	458	382	327	227	262	245	173	186	196	341	450
21	599	450	374	320	227	266	234	169	183	220	334	427
22	590	454	374	323	223	262	231	166	179	252	334	423
23	581	470	378	327	220	259	234	166	179	273	330	416
24	573	450	370	323	216	252	228	166	186	274	330	404
25	564	443	363	323	212	262	224	166	193	276	338	404
26	551	443	359	320	309	273	224	162	190	270	348	416
27	543	446	370	323	305	266	220	166	179	262	352	439
28	539	446	367	316	298	266	214	162	183	256	352	439
29	535	435	346	294	-----	262	210	166	200	262	348	443
30	531	427	345	273	-----	262	210	166	200	273	345	443
31	526	-----	348	266	-----	266	-----	162	-----	302	338	-----
TOTAL	20,714	14,380	12,061	10,203	7,656	8,380	7,695	5,562	5,173	7,094	11,936	13,498
MEAN	668	479	389	323	273	270	257	179	172	229	385	450
MAX	890	522	423	363	262	298	305	210	200	302	531	586
MIN	526	427	345	266	220	252	210	162	152	196	330	338
CFSM	.70	.50	.41	.35	.29	.28	.27	.19	.18	.24	.41	.47
IN.	.81	.56	.47	.40	.30	.33	.30	.22	.20	.28	.47	.53
CAL YR 1961	TOTAL	210,932	MEAN	852	MAX	3,140	MIN	345	CFSM	.90	IN	12.17
WAT YR 1962.	TOTAL	124,332	MEAN	341	MAX	890	MIN	152	CFSM	.36	IN	4.87

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	439	248	207	183	397	1,140	498	298	207	173	612	1,120
2	423	242	207	186	408	1,160	496	284	203	166	599	1,040
3	404	242	210	186	419	1,140	470	284	196	238	586	986
4	393	234	214	176	439	1,180	462	284	193	291	560	965
5	384	228	217	173	494	1,260	454	276	196	352	526	1,030
6	374	224	207	183	574	1,310	454	276	193	393	506	1,100
7	367	220	200	180	687	1,300	444	273	190	412	486	1,130
8	359	228	207	183	810	1,270	423	270	190	439	454	1,100
9	356	234	207	183	915	1,240	419	266	183	482	427	1,060
10	345	217	193	186	975	1,210	412	262	183	518	408	1,030
11	341	210	196	190	1,020	1,170	404	266	183	556	404	965
12	338	220	193	196	1,030	1,140	397	259	176	594	458	890
13	334	220	186	207	1,010	1,110	385	252	173	640	498	820
14	330	207	196	200	1,020	1,090	374	248	173	663	506	740
15	323	207	196	207	1,020	1,040	367	248	173	644	514	677
16	316	207	196	217	1,030	1,010	359	248	173	617	599	626
17	312	210	193	256	1,020	960	352	245	169	581	687	581
18	312	210	190	309	1,000	925	348	238	162	568	725	547
19	305	207	190	334	1,010	890	345	234	159	564	770	518
20	298	207	186	338	970	855	338	228	156	564	835	494
21	294	210	190	320	965	795	334	224	156	573	865	466
22	302	203	190	305	960	740	327	220	152	608	920	439
23	284	190	186	316	955	706	323	217	149	626	1,060	419
24	273	190	179	305	991	668	312	210	145	644	1,230	400
25	266	196	176	309	980	644	309	207	149	654	1,390	385
26	262	196	179	316	1,040	626	305	210	152	658	1,400	378
27	256	196	179	323	1,050	604	302	210	159	663	1,380	370
28	256	196	176	305	1,090	573	298	207	166	668	1,360	363
29	256	200	186	323	-----	567	291	210	169	663	1,340	376
30	259	207	186	348	-----	526	298	210	169	635	1,280	382
31	270	-----	179	374	-----	514	-----	210	-----	622	1,200	-----
TOTAL	10,029	6,406	5,997	7,827	24,278	29,343	11,292	7,574	5,197	16,499	24,585	21,399
MEAN	324	214	193	252	867	947	376	244	173	532	793	713
MAX	439	248	217	374	1,090	1,310	498	298	207	668	1,400	1,130
MIN	250	190	176	173	397	514	291	207	145	173	404	363
CFSM	.34	.22	.20	.27	.91	1.00	.40	.26	.18	.56	.83	.75
IN.	.39	.25	.23	.31	.95	1.15	.44	.30	.20	.65	.96	.84
CAL YR 1962	TOTAL	99,609	MEAN	273	MAX	586	MIN	152	CFSM	.29	IN	3.90
WAT YR 1963.	TOTAL	170,426	MEAN	467	MAX	1,400	MIN	145	CFSM	.49	IN	6.67

## 2-3220 Santa Fe River near High Springs, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	467	248	182	168	1,380	2,090	909	793	660	399	864	1,340
2	795	239	182	164	1,350	2,210	885	923	644	396	875	1,390
3	1,100	230	190	168	1,310	2,840	859	983	626	394	885	1,430
4	1,270	230	188	172	1,270	2,990	832	1,010	609	392	905	1,460
5	1,290	245	182	176	1,250	3,030	806	1,310	595	391	920	1,450
6	1,220	239	180	180	1,230	2,900	788	2,030	590	386	965	1,400
7	1,130	236	180	188	1,210	2,710	769	2,550	575	385	1,060	1,340
8	1,040	236	180	185	1,260	2,480	753	2,870	563	385	1,230	1,270
9	945	236	176	192	1,170	2,290	722	2,820	551	384	1,470	1,220
10	855	239	170	200	1,610	2,100	704	2,640	541	384	1,620	1,760
11	770	230	170	239	1,820	1,900	689	2,350	533	381	1,600	1,630
12	705	228	172	325	1,910	1,760	676	2,070	520	397	1,560	2,670
13	641	225	176	435	1,940	1,630	663	1,850	509	389	1,580	6,400
14	562	218	172	550	1,890	1,530	647	1,660	502	384	1,600	14,800
15	542	215	168	1,100	1,800	1,450	633	1,510	494	392	1,640	19,600
16	507	218	170	1,500	1,710	1,350	617	1,380	436	402	1,720	18,500
17	475	220	176	1,680	1,610	1,290	607	1,290	478	416	1,690	15,200
18	451	218	180	1,690	1,580	1,230	598	1,200	471	420	1,620	12,200
19	423	212	176	1,710	1,530	1,180	584	1,130	462	421	1,560	9,570
20	403	208	178	1,790	1,470	1,150	573	1,030	454	428	1,560	7,870
21	381	205	176	1,870	1,470	1,110	561	1,030	445	436	1,640	6,690
22	356	202	172	1,900	1,490	1,060	557	979	433	445	1,670	5,790
23	342	200	174	1,870	1,470	1,030	546	926	427	460	1,610	5,090
24	326	196	176	1,800	1,420	1,010	536	881	428	482	1,550	4,560
25	314	195	168	1,700	1,390	992	528	845	418	497	1,560	4,110
26	297	192	168	1,570	1,310	984	520	810	412	500	1,560	3,730
27	290	192	170	1,480	1,290	944	516	776	412	516	1,520	3,330
28	281	192	170	1,410	1,210	922	515	757	405	529	1,450	3,190
29	266	198	166	1,340	1,190	951	502	733	403	578	1,370	3,000
30	257	185	162	1,330	-----	938	662	704	401	699	1,330	2,840
31	251	-----	172	1,350	-----	922	-----	679	-----	816	1,310	-----
TOTAL	18,974	6,529	5,416	30,512	43,360	51,303	19,925	47,515	15,047	13,884	43,494	168,430
MEAN	612	218	175	984	1,495	1,655	664	1,371	502	448	1,403	5,481
MAX	2,900	248	190	1,900	1,940	3,030	909	2,820	660	816	1,720	19,600
MIN	251	185	162	164	1,210	922	519	679	401	381	864	1,220
CFSM	64	23	16	1.04	1.57	1.74	.70	1.44	.53	47	1.48	5.77
IN	74	.26	.21	1.19	1.70	2.01	.78	1.66	.59	.54	1.70	6.44
CAL YR 1963	TOTAL	178,913	MEAN	490	MAX	1,400	MIN	145	CFSM	.52	IN	7.00
CAL YR 1964	TOTAL	455,389	MEAN	1,244	MAX	19,600	MIN	162	CFSM	1.31	IN	17.83

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV.	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	2,710	1,320	985	3,960	1,730	3,110	2,040	1,070	749	1,130	1,290	1,590
2	2,600	1,310	985	3,830	1,230	3,220	1,960	1,060	742	1,100	1,310	1,610
3	2,510	1,310	985	3,640	1,200	3,190	1,890	1,040	738	1,080	1,380	1,690
4	2,460	1,290	990	3,400	1,210	3,150	1,830	1,020	742	1,050	1,470	1,940
5	2,410	1,280	1,070	3,130	1,210	3,180	1,760	1,010	735	1,030	1,580	2,780
6	2,330	1,290	1,190	2,890	1,220	3,240	1,720	1,000	731	1,020	1,710	2,420
7	2,260	1,270	1,420	2,690	1,300	3,260	1,670	987	734	1,010	1,740	2,430
8	2,210	1,260	1,700	2,520	1,380	3,240	1,630	974	742	1,010	1,860	2,360
9	2,160	1,240	1,930	2,360	1,470	3,160	1,590	961	745	1,020	1,890	2,240
10	2,100	1,220	2,060	2,240	1,600	3,030	1,550	945	758	1,010	1,950	2,080
11	2,040	1,200	2,120	2,120	1,690	2,850	1,510	935	777	1,020	1,970	1,950
12	1,970	1,190	2,120	2,020	1,730	2,700	1,470	929	819	1,020	1,980	1,870
13	1,920	1,180	2,060	1,920	1,740	2,560	1,440	918	861	1,020	1,980	1,820
14	1,880	1,140	1,980	1,850	1,800	2,430	1,410	902	894	1,080	1,960	1,780
15	1,850	1,120	1,890	1,770	1,950	2,330	1,390	883	929	1,260	1,950	1,700
16	1,820	1,120	1,830	1,710	2,260	2,240	1,370	869	990	1,350	1,960	1,600
17	1,790	1,110	1,760	1,630	2,160	2,170	1,340	865	1,100	1,430	1,960	1,520
18	1,760	1,110	1,680	1,580	2,040	2,110	1,310	850	1,270	1,490	2,020	1,500
19	1,730	1,090	1,610	1,540	2,270	2,110	1,280	848	1,390	1,530	2,140	1,500
20	1,690	1,070	1,570	1,490	2,340	2,170	1,250	841	1,430	1,550	2,230	1,460
21	1,650	1,040	1,520	1,450	2,300	2,190	1,220	831	1,440	1,590	2,230	1,420
22	1,620	1,030	1,480	1,410	2,310	2,120	1,190	814	1,410	1,670	2,180	1,380
23	1,580	1,030	1,440	1,390	2,290	2,000	1,180	810	1,370	1,700	2,110	1,340
24	1,550	1,030	1,400	1,380	2,280	2,020	1,160	805	1,340	1,670	2,030	1,310
25	1,510	1,040	1,360	1,340	2,270	2,060	1,150	819	1,290	1,620	1,920	1,270
26	1,480	1,020	1,380	1,330	2,230	2,060	1,140	815	1,240	1,560	1,820	1,230
27	1,450	1,010	2,040	1,320	2,840	2,060	1,130	798	1,200	1,480	1,740	1,280
28	1,430	1,010	2,550	1,300	2,990	2,440	1,110	783	1,200	1,400	1,670	1,380
29	1,410	1,010	3,160	1,300	-----	2,330	1,090	776	1,200	1,380	1,630	1,700
30	1,380	1,000	3,640	1,290	-----	2,220	1,080	769	1,180	1,300	1,580	2,100
31	1,340	-----	3,930	1,260	-----	2,130	-----	758	-----	1,270	1,580	-----
TOTAL	58,600	34,320	55,835	63,030	60,150	82,060	42,860	27,691	30,746	39,850	56,860	51,750
MEAN	1,890	1,144	1,801	2,033	2,148	2,647	1,429	893	1,025	1,285	1,834	1,725
MAX	2,710	1,320	3,930	3,960	3,140	3,260	2,040	1,070	1,440	1,700	2,230	2,430
MIN	1,340	1,000	985	1,260	1,200	2,110	1,080	758	1,010	1,290	1,230	1,230
CFSM	1.99	1.20	1.90	2.14	2.26	2.79	1.50	.94	1.08	1.35	1.93	1.82
IN	2.29	1.34	2.19	2.47	2.35	3.21	1.68	1.08	1.20	1.56	2.23	2.03
CAL YR 1964	TOTAL	573,225	MEAN	1,566	MAX	19,600	MIN	164	CFSM	1.65	IN	22.44
CAL YR 1965	TOTAL	603,752	MEAN	1,654	MAX	3,960	MIN	731	CFSM	1.74	IN	23.64



2-3225 Santa Fe River near Fort White, Fla

Location --Lat 29°51', long 82°43', in sec 28, T 7 S, R 16 E, on left bank 2 miles upstream from bridge on State Highway 47, 5 miles south of Fort White, Columbia County, and 17 miles (revised) upstream from mouth

Drainage area --1,080 sq mi, approximately

Records available --October 1927 to January 1930, June 1932 to September 1965

Gage --Digital water-stage recorder Datum of gage is 20.86 ft above mean sea level (levels by Corps of Engineers) Prior to June 3, 1932, staff gage at several sites within 200 ft of present site at various datums June 3, 1932, to Oct 31, 1963, graphic water-stage recorder at present site and datum Oct 1, 1947, to Feb 10, 1949, auxiliary wire-weight gage, Feb 11, 1949, to Oct 31, 1963, auxiliary graphic water-stage recorder, and since Nov 1, 1963, digital water-stage recorder, at bridge on State Highway 49, 13.1 miles downstream

Average discharge --35 years (1927-29, 1932-65), 1,622 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 5, 1961	3,760	4 50	June 12, 13, 1961	a 1,260	1 15
1962	Sept 11, 1962	c 1,280	d 1 68	Many days	864	e 68
1963	Mar 6, 1963	2,070	2 10	June 23-25, 1963	768	f 69
1964	Sept 16, 1964	17,000	15 34	Many days	862	64
1965	Jan 1, 1965	5,100	g 6 90	June 7, 8, 1965	1,510	1 45

a Minimum daily year, 1,730 cfs Oct 1, 1961, stage falling  
b Occurred June 13, 14, 1961  
c Maximum peak discharge, maximum discharge during year, 1,730 cfs Oct 1, 1961, stage falling  
d Occurred Oct 1, 1961  
e Occurred June 7, 8, 1962  
f Occurred Jan 10, 15, 1963  
g Estimated

1927-30, 1932-65 Maximum discharge, 17,000 cfs Sept 16, 1964 (gage height, 15.34 ft), minimum, 609 cfs May 22, 1957, minimum gage height, 0.45 ft Mar 20, 1957

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,780	2,340	1,790	1,590	1,520	2,100	1,730	1,500	1,310	1,340	2,360	3,200
2	3,020	2,290	1,770	1,570	1,520	2,130	1,690	1,500	1,310	1,330	2,370	3,400
3	3,220	2,270	1,760	1,570	1,530	2,120	1,680	1,490	1,300	1,340	2,200	3,620
4	3,340	2,240	1,750	1,570	1,530	2,100	1,660	1,470	1,300	1,330	2,150	3,730
5	3,370	2,220	1,740	1,570	1,550	2,080	1,620	1,460	1,290	1,330	2,120	3,750
6	3,340	2,210	1,730	1,570	1,590	2,040	1,620	1,430	1,280	1,320	2,070	3,630
7	3,340	2,180	1,720	1,560	1,660	1,990	1,600	1,420	1,280	1,310	2,020	3,400
8	3,320	2,150	1,710	1,550	1,690	1,950	1,570	1,410	1,280	1,310	1,960	3,190
9	3,280	2,130	1,700	1,540	1,730	1,910	1,580	1,400	1,280	1,310	1,910	3,010
10	3,260	2,120	1,690	1,530	1,800	1,850	1,570	1,420	1,270	1,340	1,890	2,870
11	3,360	2,090	1,700	1,520	1,840	1,810	1,560	1,400	1,270	1,340	1,900	2,750
12	3,550	2,070	1,680	1,530	1,880	1,780	1,610	1,390	1,260	1,390	1,920	2,640
13	3,670	2,050	1,650	1,550	1,900	1,750	1,610	1,400	1,260	1,400	1,900	2,550
14	3,710	2,040	1,660	1,560	1,900	1,720	1,620	1,410	1,270	1,410	1,880	2,460
15	3,690	2,020	1,690	1,530	1,890	1,700	1,660	1,410	1,280	1,420	2,000	2,380
16	3,610	2,010	1,670	1,520	1,880	1,690	1,690	1,420	1,280	1,430	2,120	2,330
17	3,500	1,990	1,650	1,520	1,860	1,660	1,700	1,420	1,280	1,440	2,120	2,270
18	3,340	1,980	1,640	1,520	1,840	1,640	1,800	1,410	1,280	1,460	2,080	2,220
19	3,200	1,960	1,640	1,520	1,800	1,620	1,840	1,390	1,290	1,470	2,040	2,180
20	3,090	1,940	1,640	1,520	1,770	1,620	1,860	1,390	1,300	1,500	2,010	2,130
21	2,980	1,930	1,650	1,500	1,750	1,640	1,860	1,380	1,370	1,560	2,060	2,080
22	2,900	1,910	1,620	1,490	1,740	1,660	1,830	1,370	1,340	1,670	2,320	2,030
23	2,820	1,900	1,610	1,490	1,780	1,700	1,780	1,360	1,340	1,820	2,630	1,990
24	2,750	1,900	1,620	1,490	1,800	1,740	1,740	1,340	1,340	1,980	2,800	1,940
25	2,670	1,880	1,610	1,480	1,870	1,760	1,680	1,340	1,350	2,280	2,870	1,910
26	2,600	1,860	1,610	1,500	1,930	1,780	1,630	1,350	1,340	2,400	2,860	1,880
27	2,550	1,850	1,600	1,490	2,000	1,800	1,590	1,340	1,350	2,410	2,840	1,850
28	2,500	1,840	1,590	1,480	2,070	1,810	1,560	1,330	1,340	2,450	2,830	1,810
29	2,440	1,820	1,590	1,510	-----	1,810	1,520	1,330	1,340	2,500	2,840	1,780
30	2,390	1,810	1,590	1,490	-----	1,790	1,510	1,330	1,340	2,490	2,850	1,750
31	2,360	-----	1,590	1,500	-----	1,770	-----	1,320	-----	2,440	3,060	-----
TOTAL	95,950	61,000	51,660	47,320	49,620	56,510	49,970	43,330	39,120	51,460	70,980	76,730
MEAN	3,095	2,033	1,666	1,526	1,772	1,823	1,666	1,398	1,304	1,660	2,290	2,558
MAX	3,710	2,340	1,790	1,590	2,070	2,130	1,860	1,500	1,370	2,500	3,060	3,750
MIN	2,360	1,810	1,590	1,480	1,520	1,620	1,510	1,320	1,260	1,310	1,880	1,750
CFM	2.87	1.88	1.54	1.41	1.64	1.69	1.54	1.29	1.21	1.56	2.12	2.37
IN#	3.30	2.10	1.78	1.63	1.71	1.95	1.72	1.49	1.35	1.77	2.44	2.64

CAL YR 1960 TOTAL 847,250 MEAN 2,315 MAX 6,290 MIN 1,430 CFSM 2.14 IN 29.18  
WAT YR 1961 TOTAL 693,650 MEAN 1,900 MAX 3,750 MIN 1,260 CFSM 1.76 IN 23.89

## 2-3225 Santa Fe River near Fort White, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,720	1,360	1,240	1,150	1,020	1,060	1,020	928	888	896	1,010	1,000
2	1,700	1,350	1,240	1,110	1,020	1,060	984	928	888	888	1,050	1,000
3	1,690	1,340	1,230	1,100	1,020	1,050	992	920	880	896	1,060	1,010
4	1,660	1,340	1,230	1,110	1,020	1,060	1,000	920	880	904	1,060	1,050
5	1,640	1,340	1,230	1,110	1,010	1,050	1,010	920	872	904	1,060	1,060
6	1,620	1,360	1,220	1,120	1,010	1,040	1,020	920	872	904	1,050	1,060
7	1,610	1,340	1,220	1,100	992	1,040	1,020	920	872	904	1,080	1,080
8	1,580	1,340	1,200	1,100	992	1,030	1,020	920	872	896	1,120	1,110
9	1,570	1,340	1,200	1,100	1,010	1,030	1,000	920	888	904	1,180	1,140
10	1,560	1,340	1,200	1,100	1,000	1,030	1,000	920	880	912	1,190	1,180
11	1,550	1,340	1,200	1,100	984	1,020	1,000	920	880	912	1,160	1,230
12	1,530	1,340	1,200	1,100	984	1,020	1,000	920	872	904	1,130	1,240
13	1,520	1,340	1,200	1,100	992	1,000	1,000	912	872	896	1,110	1,230
14	1,520	1,330	1,180	1,100	984	1,010	1,000	904	872	896	1,090	1,220
15	1,490	1,320	1,190	1,110	984	1,020	1,010	896	872	896	1,070	1,200
16	1,490	1,310	1,190	1,100	984	1,000	1,000	896	872	896	1,050	1,180
17	1,490	1,310	1,190	1,100	1,080	1,000	1,010	896	872	896	1,030	1,160
18	1,470	1,300	1,190	1,100	1,090	992	1,000	888	872	896	1,030	1,150
19	1,460	1,290	1,170	1,100	1,090	1,000	1,000	888	872	896	1,020	1,140
20	1,450	1,280	1,170	1,090	1,080	1,010	1,000	888	888	888	1,020	1,110
21	1,440	1,270	1,160	1,080	1,080	1,010	984	896	880	896	1,010	1,100
22	1,430	1,270	1,160	1,090	1,090	1,000	968	896	888	928	1,000	1,100
23	1,420	1,300	1,160	1,090	1,030	1,010	968	888	888	944	992	1,090
24	1,410	1,270	1,160	1,090	1,080	984	968	896	888	944	992	1,080
25	1,390	1,260	1,150	1,080	1,070	1,000	960	888	888	944	1,000	1,070
26	1,390	1,260	1,140	1,040	1,070	1,000	952	880	880	936	1,010	1,090
27	1,380	1,260	1,150	1,080	1,060	992	952	880	872	936	1,020	1,100
28	1,370	1,260	1,140	1,080	1,060	992	944	880	888	928	1,020	1,110
29	1,370	1,250	1,120	1,060	1,060	984	936	896	888	944	1,010	1,120
30	1,360	1,240	1,110	1,030	-----	984	936	904	896	944	1,010	1,120
31	1,360	-----	1,120	1,030	-----	984	-----	896	-----	968	1,000	-----
TOTAL	46,640	39,250	36,660	33,870	28,936	31,462	29,646	29,016	26,416	28,288	32,634	33,530
MEAN	1,505	1,308	1,183	1,093	1,033	1,015	988	904	881	913	1,053	1,110
MAX	1,720	1,360	1,240	1,150	1,090	1,060	1,020	928	904	968	1,190	1,240
MIN	1,360	1,240	1,110	1,030	984	984	936	880	872	888	992	1,000
CFSM	1.39	1.21	1.09	1.01	.96	.94	.92	.84	.82	.84	.97	1.03
IN.	1.61	1.35	1.26	1.17	1.00	1.08	1.02	.96	.91	.97	1.12	1.15
CAL YR 1961 TOTAL 607,590 MEAN 1,665 MAX 3,750 MIN 1,110 CFSM 1.54 IN 20.92												
WAT YR 1962 TOTAL 395,348 MEAN 1,083 MAX 1,720 MIN 872 CFSM 1.00 IN 13.61												

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
1	1,120	968	920	880	1,060	1,890	1,270	1,020	840	784	1,290	1,830	
2	1,110	952	912	888	1,070	1,910	1,260	1,010	832	792	1,280	1,750	
3	1,100	936	912	888	1,100	1,900	1,250	1,010	832	788	1,260	1,700	
4	1,090	920	888	888	1,110	1,940	1,230	1,010	832	896	1,240	1,660	
5	1,080	920	880	860	1,160	2,010	1,220	1,000	824	952	1,210	1,700	
6	1,070	944	912	888	1,230	2,060	1,220	1,000	840	1,000	1,180	1,770	
7	1,060	944	904	888	1,340	2,060	1,210	992	832	1,020	1,160	1,810	
8	1,060	952	904	880	1,440	2,040	1,190	984	824	1,060	1,130	1,800	
9	1,050	952	904	880	1,540	2,040	1,180	984	824	1,100	1,100	1,750	
10	1,050	936	904	872	1,620	2,020	1,170	976	816	1,150	1,070	1,710	
11	1,050	936	904	880	1,680	1,980	1,160	976	808	1,170	1,070	1,660	
12	1,040	944	896	880	1,700	1,950	1,150	968	800	1,220	1,110	1,600	
13	1,040	936	896	888	1,690	1,930	1,120	960	792	1,260	1,160	1,530	
14	1,030	928	896	880	1,700	1,900	1,110	944	784	1,300	1,160	1,480	
15	1,020	928	904	872	1,710	1,870	1,100	944	784	1,310	1,180	1,420	
16	1,020	936	912	880	1,720	1,830	1,100	928	784	1,290	1,260	1,360	
17	1,020	936	912	912	1,720	1,790	1,100	928	784	1,270	1,330	1,330	
18	1,010	936	912	968	1,710	1,740	1,090	920	784	1,260	1,380	1,290	
19	1,000	928	912	992	1,740	1,700	1,080	904	776	1,240	1,440	1,260	
20	992	920	912	1,010	1,700	1,650	1,080	904	776	1,250	1,490	1,220	
21	992	928	912	984	1,700	1,600	1,070	888	776	1,260	1,540	1,190	
22	1,000	920	904	976	1,690	1,540	1,060	888	776	1,290	1,580	1,180	
23	984	912	904	964	1,700	1,510	1,060	880	776	1,320	1,700	1,160	
24	968	904	896	976	1,750	1,470	1,050	872	768	1,330	1,860	1,130	
25	976	904	896	976	1,740	1,440	1,050	864	776	1,340	2,010	1,110	
26	968	904	896	984	1,780	1,430	1,040	864	776	1,340	2,040	1,100	
27	968	904	896	1,000	1,800	1,400	1,030	856	776	1,340	2,020	1,090	
28	968	904	888	984	1,840	1,360	1,020	856	776	1,340	2,010	1,080	
29	968	912	888	1,000	-----	1,340	1,020	856	776	1,340	2,000	1,130	
30	976	920	888	1,020	-----	1,320	1,020	848	764	1,320	1,960	1,100	
31	992	-----	880	1,040	-----	1,290	-----	848	-----	1,310	1,900	-----	
TOTAL	31,772	27,900	28,016	28,918	43,740	53,910	33,710	28,882	23,928	36,702	45,120	42,900	
MEAN	1,025	932	904	933	1,562	1,739	1,124	932	798	1,184	1,455	1,430	
MAX	1,120	968	920	1,040	1,840	2,060	1,270	1,020	840	1,340	2,040	1,830	
MIN	968	904	880	872	1,060	1,390	1,020	868	768	784	1,070	1,080	
CFSM	.95	.86	.84	.86	1.45	1.61	1.04	.86	.74	1.10	1.35	1.32	
IN.	1.09	.96	.96	1.00	1.51	1.86	1.16	.99	.82	1.26	1.55	1.48	
CAL YR 1962	TOTAL 360,546			MEAN .988		MAX 1,240		MIN 872		CFSM .91		IN 12.42	
WAT YR 1963	TOTAL 425,558			MEAN 1,106		MAX 2,060		MIN 768		CFSM 1.08		IN 14.05	

## 2-3225 Santa Fe River near Fort White, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,200	1,010	903	876	2,140	2,670	1,880	1,590	1,550	1,200	1,630	2,170
2	1,440	994	906	870	2,120	3,000	1,840	1,730	1,500	1,190	1,660	2,220
3	1,690	981	913	875	2,100	3,780	1,800	1,790	1,470	1,190	1,680	2,260
4	1,860	777	906	884	2,070	3,460	1,760	1,790	1,440	1,190	1,690	2,290
5	1,910	1,010	903	892	2,060	3,540	1,740	1,930	1,420	1,190	1,700	2,300
6	1,880	992	899	897	2,060	3,500	1,710	2,390	1,410	1,180	1,730	2,270
7	1,820	986	898	912	2,040	3,170	1,690	2,790	1,390	1,180	1,800	2,230
8	1,750	963	898	907	2,090	3,180	1,660	3,070	1,370	1,170	2,000	2,180
9	1,670	982	891	917	2,170	2,990	1,640	3,150	1,350	1,170	2,200	2,140
10	1,600	978	886	921	2,140	2,820	1,610	3,050	1,340	1,170	2,400	2,220
11	1,530	978	886	972	2,530	2,640	1,600	2,840	1,340	1,170	2,400	2,640
12	1,480	972	886	1,060	2,630	2,510	1,580	2,620	1,320	1,200	2,300	3,580
13	1,420	960	896	1,170	2,680	2,400	1,570	2,450	1,310	1,180	2,310	5,080
14	1,370	955	888	1,350	2,660	2,310	1,540	2,310	1,300	1,170	2,340	10,100
15	1,330	951	880	1,660	2,620	2,220	1,520	2,200	1,290	1,170	2,360	15,000
16	1,300	954	882	2,000	2,560	2,170	1,490	2,100	1,280	1,180	2,380	16,900
17	1,270	954	889	2,200	2,490	2,120	1,480	2,060	1,270	1,190	2,380	16,300
18	1,240	951	895	2,270	2,470	2,110	1,470	2,010	1,260	1,210	2,330	14,800
19	1,210	946	892	2,320	2,420	2,070	1,450	1,990	1,250	1,200	2,400	13,100
20	1,180	952	894	2,400	2,350	2,080	1,440	1,960	1,250	1,200	2,280	11,100
21	1,160	934	890	2,470	2,340	2,060	1,430	1,950	1,240	1,200	2,340	9,400
22	1,130	932	882	2,540	2,360	2,070	1,410	1,890	1,230	1,210	2,430	8,010
23	1,120	931	888	2,570	2,340	2,060	1,390	1,860	1,220	1,220	2,400	6,950
24	1,100	926	879	2,560	2,290	2,030	1,370	1,800	1,220	1,240	2,320	6,220
25	1,090	922	876	2,500	2,260	2,000	1,360	1,760	1,210	1,260	2,300	5,660
26	1,070	918	876	2,380	2,190	1,990	1,350	1,720	1,210	1,280	2,320	5,220
27	1,060	918	877	2,380	2,170	1,960	1,340	1,680	1,210	1,320	2,300	4,850
28	1,050	919	878	2,420	2,290	1,940	1,340	1,660	1,200	1,320	2,260	4,590
29	1,030	924	874	2,410	2,380	1,950	1,440	1,610	1,200	1,350	2,190	4,370
30	1,010	906	870	2,110	-----	1,940	1,480	1,580	1,190	1,450	2,170	4,180
31	1,010	-----	886	2,120	-----	1,910	-----	1,570	-----	1,560	2,160	-----
TOTAL	41,980	28,702	27,569	52,263	67,260	76,370	46,500	64,830	39,240	38,110	67,060	190,330
MEAN	1,354	757	889	1,686	2,139	2,464	1,550	2,091	1,260	1,229	2,161	6,344
MAX	1,910	1,010	913	2,570	2,680	3,540	1,800	3,150	1,550	1,560	2,430	16,900
MIN	1,010	906	870	870	2,340	1,910	1,340	1,570	1,190	1,170	1,630	2,140
CFSM	1.25	.89	.82	1.56	2.12	2.28	1.44	1.94	1.21	1.14	2.00	5.87
IN.	1.45	.59	.95	1.80	2.32	2.63	1.60	2.73	1.35	1.31	2.31	6.55
CAL YR 1963	TOTAL 436,061			MEAN 1,195	MAX 2,060	MIN 768	CFSM 1.11	IN 15.02				
WAT YR 1964	TOTAL 740,214			MEAN 2,022	MAX 16,900	MIN 870	CFSM 1.87	IN 25.49				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,020	2,420	1,840	5,100	2,760	3,870	3,090	2,040	1,560	2,090	2,280	2,580
2	3,890	2,440	1,820	4,800	2,780	3,960	3,030	2,010	1,550	2,100	2,320	2,590
3	3,800	2,380	1,800	4,600	2,740	4,030	2,970	1,990	1,550	2,110	2,360	2,640
4	3,710	2,370	1,800	4,300	2,740	4,040	2,900	1,980	1,550	2,040	2,430	2,790
5	3,630	2,350	1,900	4,100	2,730	4,040	2,830	1,970	1,540	2,030	2,520	3,080
6	3,550	2,330	2,000	3,900	2,750	4,080	2,760	1,960	1,530	2,020	2,630	3,280
7	3,460	2,310	2,000	3,700	2,730	4,090	2,730	1,950	1,520	2,010	2,710	3,340
8	3,380	2,300	2,500	3,540	2,780	4,070	2,660	1,940	1,520	2,000	2,800	3,320
9	3,370	2,290	2,800	3,400	2,760	4,040	2,620	1,930	1,520	2,000	2,840	3,320
10	3,300	2,270	3,100	3,300	2,760	3,960	2,590	1,920	1,530	1,970	2,930	3,090
11	3,240	2,250	3,200	3,220	2,650	3,850	2,540	1,910	1,540	1,980	2,950	2,950
12	3,180	2,230	3,200	3,120	2,710	3,750	2,510	1,890	1,580	1,980	2,950	2,840
13	3,130	2,210	3,150	3,040	2,760	3,660	2,490	1,850	1,630	2,000	2,960	2,780
14	3,100	2,180	3,100	2,960	2,830	3,550	2,470	1,810	1,650	2,050	2,950	2,760
15	3,080	2,180	3,000	2,900	2,940	3,470	2,430	1,780	1,690	2,180	2,940	2,680
16	3,040	2,100	2,900	2,840	3,130	3,400	2,380	1,760	1,770	2,290	2,990	2,570
17	2,970	2,080	2,800	2,760	3,430	3,330	2,360	1,740	1,860	2,360	2,980	2,480
18	2,930	2,050	2,750	2,700	3,720	3,310	2,350	1,730	2,010	2,440	3,010	2,430
19	2,870	2,020	2,700	2,640	3,950	3,320	2,330	1,710	2,130	2,500	3,110	2,420
20	2,810	2,000	2,650	2,590	4,060	3,350	2,310	1,700	2,210	2,540	3,220	2,390
21	2,760	1,960	2,600	2,540	4,060	3,370	2,290	1,680	2,250	2,570	3,260	2,350
22	2,710	1,930	2,550	2,510	4,000	3,380	2,250	1,660	2,250	2,630	3,250	2,310
23	2,670	1,920	2,500	2,480	3,880	3,480	2,220	1,650	2,260	2,680	3,180	2,290
24	2,630	1,920	2,450	2,480	3,770	3,570	2,200	1,640	2,250	2,680	3,110	2,280
25	2,590	1,920	2,400	2,440	3,670	3,630	2,190	1,650	2,210	2,620	3,010	2,250
26	2,560	1,890	2,400	2,420	3,620	3,600	2,160	1,650	2,170	2,560	2,910	2,200
27	2,530	1,870	3,000	2,400	3,560	3,570	2,140	1,620	2,150	2,500	2,810	2,330
28	2,510	1,870	3,500	2,370	3,750	3,460	2,120	1,610	2,130	2,410	2,720	2,480
29	2,490	1,860	4,000	2,360	-----	3,370	2,080	1,600	2,140	2,360	2,660	2,680
30	2,470	1,860	4,500	2,350	-----	3,270	2,060	1,590	2,120	2,300	2,600	2,970
31	2,440	-----	5,000	2,320	-----	3,180	-----	1,570	-----	2,260	2,560	-----
TOTAL	94,820	63,680	86,110	96,180	85,810	113,070	74,040	55,470	55,370	70,260	87,950	80,380
MEAN	3,059	2,123	2,778	3,103	3,065	3,647	2,468	1,789	1,846	2,266	2,837	2,679
MAX	4,020	2,420	3,000	5,100	4,060	4,090	3,090	2,020	2,260	2,680	3,260	3,340
MIN	2,440	1,860	1,800	2,320	2,230	3,180	2,040	1,570	1,520	1,970	2,280	2,200
CFSM	2.83	1.97	2.57	2.87	2.64	3.38	2.29	1.66	1.71	2.10	2.63	2.48
IN.	3.27	2.19	2.97	3.31	2.95	3.89	2.55	1.91	1.91	2.42	3.03	2.77
CAL YR 1964	TOTAL 886,573			MEAN 2,422	MAX 16,900	MIN 870	CFSM 2.24	IN 30.52				
WAT YR 1965	TOTAL 963,140			MEAN 2,659	MAX 5,100	MIN 1,520	CFSM 2.44	IN 33.17				

Note --No gage-height record Dec 2 to Jan 6

## 2-3227 Ichatucknee Springs near Hildreth, Fla

Location --Lat 29°58', long 82°47', in sec 23, T 6 S, R 15 E, on Ichatucknee River, near center of span on upstream side of bridge on U S Highway 27, 1 mile east of Hildreth, Suwannee County, 2 miles upstream from mouth, and 2½ miles downstream from head of springs

Records available --1917, 1929-30 (one discharge measurement in each year), January 1931 to September 1965 (discharge measurements only)

Gage --Reference point Elevation of reference point is 34 53 ft above mean sea level, datum of 1929 Prior to Oct 23, 1963, at elevation 2 58 ft higher Observations of stage made only when discharge measurements are made

Extremes --1931-65 Maximum discharge measured, 578 cfs Apr 29, 1948, maximum elevation, 34 05 ft Apr 12, 1948, from floodmarks (backwater from Santa Fe River), minimum discharge measured, 241 cfs Jan 28, 1956, minimum elevation observed, 14 67 ft July 11, Aug 22, 1956, Feb 13, 1957

Remarks --Discharge measurements made at bridge on U S Highway 27 Surface inflow between springs and measuring section is negligible except after heavy rains

## Discharge measurements, in cubic feet per second, water years 1961-65

Water year 1961			
Nov 8, 1960	480	Apr 19, 1961	375
Jan 4, 1961	457	June 14	401
Feb 21	407	Sept 5	380
Water year 1962			
Nov 3, 1961	383	June 5, 1962	326
Dec 27	375	July 31	330
Feb 13, 1962	353	Sept 24	358
Apr 10	312		
Water year 1963			
Nov 20, 1962	322	June 13, 1963	301
Jan 9, 1963	306	July 25	318
Mar 7	345	Sept 12	281
Apr 25	368		
Water year 1964			
Oct 23, 1963	348	May 13, 1964	292
Dec 5	327	June 11	406
Jan 29, 1964	308	Aug 7	387
Mar 27	434		
Water year 1965			
Oct 8, 1964	563	Apr 29, 1965	495
Nov 18	506	June 17	463
Jan 7, 1965	520	July 29	488
Mar 11	425	Sept 23	525

## SUWANNEE RIVER BASIN

2-3235 Suwannee River near Wilcox, Fla

Location --Lat 29°36', long 82°56', in sec 29, T 10 S, R 14 E, on left bank about 400 ft downstream from Fort Fannin Bridge on U S Highway 19 and 2 miles southwest of Wilcox, Gilchrist County

Drainage area --9,730 sq mi (revised), approximately Includes part of watershed in Okefenokee Swamp which is indeterminate

Records available --October 1930 to September 1931, October 1941 to September 1965 Monthly discharge only for some periods, published in WSP 1304

Gage --Digital water-stage recorder Datum of gage is at mean sea level, datum of 1929 Prior to July 4, 1931, staff gage at site 400 ft upstream at same datum July 4 to Sept 30, 1931, and Mar 26 to May 14, 1942, graphic water-stage recorder at present site and datum May 15, 1942, to Jan 24, 1951, staff gage and Jan 25, 1951, to Sept 30, 1963, graphic water-stage recorder, at present site and datum Feb 1, 1951, to Sept 30, 1963, auxiliary graphic water-stage recorder and since Oct 1, 1963 digital water-stage recorder at site about 9 miles downstream

Average discharge --25 years (1930-31, 1941-65), 10,560 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum daily		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	May 3, 1961	21,300	10 35	Jan 10, 1961	6,780	2 95
1962	Apr 19, 1962	17,100	a 8 65	Dec 31, 1961	4,830	b 1 99
1963	Mar 12, 13, 1963	14,700	c 7 39	Nov 27, 1962	4,170	d 1 33
1964	Sept 22, 23, 1964	36,700	e 14 96	Dec 8, 1963	3,780	f 94
1965	Mar 19, 1965	g 32,500	h 14 09	June 11, 1965	8,810	i 5 26

a Occurred Apr 19, 1962 b Occurred Jan 3, 1962 c Occurred Mar 12, 1963  
d Occurred Sept 25, 1963 e Occurred Sept 22, 1964 f Occurred Dec 16, 1963  
g Maximum peak discharge, maximum discharge during year, 33,200 cfs Oct 1, 1964, stage falling  
h Occurred Oct 1, 1964 i Occurred June 10, 1965

1930-31, 1941-65 Maximum discharge, 84,700 cfs Apr 14, 1948 (gage height, 22 38 ft)  
1951-65 Minimum daily, 3,270 cfs Feb 24, 1957, minimum gage height, 0 5 ft Jan 19, 1957

Remarks --Records good above 15,000 cfs and fair below Flow generally affected by tide when discharge is less than 15,000 cfs

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11,700	11,900	8,020	7,280	9,010	11,800	11,500	20,700	11,100	8,420	8,210	10,100
2	12,200	11,900	7,730	7,130	9,270	12,200	12,200	21,200	11,000	8,380	8,230	10,700
3	12,600	11,700	7,650	7,090	9,440	12,300	11,800	21,300	11,000	8,330	8,150	11,000
4	12,800	11,300	7,780	7,080	9,640	12,300	11,900	21,200	11,000	8,430	7,870	11,400
5	13,000	11,000	7,690	7,060	9,810	12,400	11,700	21,000	10,900	8,570	7,690	11,600
6	13,800	10,300	7,680	7,110	9,530	12,400	11,400	20,800	10,500	8,520	7,730	11,800
7	14,300	10,300	7,700	7,070	9,590	12,500	11,400	20,800	10,300	8,450	7,810	11,700
8	14,700	10,400	7,550	7,010	10,100	12,300	11,300	20,000	10,000	8,400	7,520	11,600
9	14,900	10,200	7,550	7,060	10,100	12,700	10,800	19,600	9,640	8,440	7,370	11,600
10	15,000	10,000	7,450	6,780	10,200	12,700	11,100	19,600	9,390	8,320	7,290	11,600
11	15,000	9,900	7,340	6,890	10,300	12,400	11,300	19,000	9,140	8,230	7,180	12,000
12	15,100	9,740	7,950	6,960	10,300	11,900	10,600	18,500	8,890	7,990	7,160	12,000
13	15,200	9,710	7,390	6,970	10,500	11,500	11,200	18,000	8,650	8,080	7,280	12,000
14	15,400	9,460	7,190	7,430	10,500	11,300	11,600	17,400	8,560	8,170	7,500	11,800
15	15,400	9,320	7,030	7,440	10,700	11,300	11,400	16,900	8,360	8,010	7,570	11,900
16	15,500	9,040	7,860	7,630	10,700	10,900	11,900	16,400	8,250	7,990	7,570	12,200
17	15,400	8,990	7,450	7,830	10,700	10,500	12,800	15,800	8,400	7,880	7,670	12,300
18	15,400	8,850	7,430	8,110	10,500	10,700	13,100	15,200	8,130	7,630	7,630	12,000
19	15,400	8,430	7,330	8,010	10,800	10,700	13,600	14,700	7,890	7,680	7,600	11,700
20	15,400	8,790	7,360	8,760	10,700	10,500	14,200	14,200	7,690	8,020	7,480	11,300
21	15,200	8,610	7,370	8,400	10,500	10,400	14,200	13,700	7,890	7,900	7,330	11,200
22	14,900	8,240	7,540	8,410	10,600	10,700	14,800	13,300	8,900	7,970	7,330	11,000
23	14,500	8,460	7,320	8,340	10,700	11,000	15,400	12,800	8,550	7,970	7,340	10,400
24	14,300	8,500	7,190	8,480	10,900	11,400	16,100	12,600	8,460	7,990	7,540	10,500
25	14,000	8,320	7,140	8,530	10,600	11,900	16,900	12,000	8,590	8,090	7,770	10,000
26	13,700	8,130	7,110	8,320	11,400	11,800	17,700	11,400	8,560	8,140	8,030	9,830
27	13,100	8,130	7,140	8,580	11,400	12,000	18,400	11,600	8,630	8,310	8,400	9,680
28	12,900	8,060	7,130	8,420	11,600	12,100	19,200	11,200	8,650	8,300	8,680	9,750
29	12,600	7,990	7,000	8,650	-----	12,000	19,700	10,900	8,550	8,270	9,290	9,580
30	12,300	8,350	7,150	8,900	-----	12,100	20,200	11,000	8,390	8,340	9,540	9,560
31	12,000	-----	7,030	9,030	-----	11,700	-----	11,000	-----	8,350	9,590	-----
TOTAL	437,700	285,720	230,420	240,960	290,080	362,400	409,400	503,500	273,960	253,570	243,350	333,800
MEAN	14,120	9,224	7,427	7,773	10,360	11,690	13,650	16,240	9,132	8,180	7,850	11,130
MAX	15,500	11,900	8,020	9,030	11,600	12,700	20,200	21,300	11,100	8,570	9,590	12,400
MIN	11,700	7,900	7,000	6,780	9,010	10,400	10,600	10,900	7,690	7,630	7,160	9,760
CFSM	1.45	.98	.76	.80	1.06	1.20	1.40	1.67	.94	.84	.81	1.14
IN.	1.67	1.09	.88	.92	1.11	1.39	1.56	1.92	1.05	.97	.93	1.28
CAL YR 1960	TOTAL	4,802,390	MEAN	13,120	MAX	28,600	MIN	7,000	CFSM	1.35	IN	18.36
WAT YR 1961	TOTAL	3,068,090	MEAN	10,950	MAX	21,300	MIN	6,780	CFSM	1.09	IN	14.77

## 2-3235 Suwannee River near Wilcox, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC	JAN	FEB	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	9,330	6,270	5,160	5,460	5,510	6,320	8,740	13,700	6,730	5,740	5,670	5,680
2	9,190	6,180	5,290	5,240	5,540	6,580	9,200	13,200	6,730	5,760	5,720	5,820
3	8,820	6,220	5,410	5,010	5,580	6,560	9,940	13,100	6,670	5,730	5,720	5,690
4	8,630	6,270	5,380	5,180	5,600	6,790	10,800	12,600	6,710	5,810	5,880	5,660
5	8,500	6,100	5,340	5,400	5,570	7,170	11,800	12,300	6,560	5,740	6,010	5,690
6	8,310	5,920	5,470	5,000	5,690	7,790	12,300	11,800	6,530	5,670	6,020	5,550
7	8,160	6,130	5,470	5,160	5,600	7,660	13,200	11,400	6,510	5,730	6,210	5,730
8	8,220	6,150	5,420	5,640	5,440	7,770	14,200	11,000	6,450	5,730	6,130	5,960
9	7,920	6,020	5,216	5,470	5,500	7,780	14,600	10,700	6,270	5,760	6,180	6,070
10	8,020	5,960	5,380	5,630	5,470	7,360	14,900	10,400	6,490	5,810	6,260	6,080
11	7,770	5,950	5,300	5,370	5,700	7,360	15,200	10,000	6,390	5,750	6,770	5,990
12	7,530	6,030	5,360	5,470	5,330	7,950	19,700	9,890	6,320	5,720	6,140	6,100
13	7,540	5,980	5,370	5,500	5,450	8,370	10,100	9,520	6,260	5,750	5,880	6,020
14	7,400	6,030	5,270	5,630	5,340	8,350	16,200	9,240	6,260	5,560	5,830	6,190
15	7,520	5,750	5,166	5,870	5,420	8,120	16,500	8,900	6,220	5,580	5,680	6,020
16	7,150	5,860	5,220	5,760	5,310	8,220	16,800	8,740	6,170	5,600	5,770	6,710
17	7,230	5,900	5,110	5,670	5,510	8,110	16,900	8,790	6,440	5,750	5,660	6,050
18	7,170	5,760	5,440	5,530	5,450	8,040	17,000	8,350	6,070	5,640	5,690	6,240
19	7,040	5,750	5,760	5,700	5,273	8,240	17,100	8,260	5,880	5,590	5,700	6,020
20	6,960	5,900	5,810	5,730	5,540	8,290	17,100	7,900	5,790	5,600	5,690	6,050
21	6,990	5,830	5,390	5,640	5,360	8,220	16,900	7,840	5,720	5,590	5,760	6,350
22	6,720	5,460	5,270	5,720	5,460	9,010	16,700	7,840	5,890	5,580	5,650	5,300
23	6,730	5,360	5,330	5,710	5,640	9,090	16,600	7,760	5,880	5,450	5,810	6,230
24	6,790	6,450	5,680	5,610	6,120	8,940	16,300	7,700	5,760	5,550	5,750	6,230
25	6,730	5,950	5,280	5,470	6,020	8,730	16,100	7,420	5,740	5,450	5,550	6,030
26	6,610	5,500	5,330	5,340	5,760	8,820	15,700	7,360	5,740	5,430	5,580	6,250
27	6,720	5,410	5,340	5,430	6,200	9,240	15,400	7,230	5,820	5,370	5,660	6,550
28	6,360	5,430	5,510	5,630	6,230	8,310	15,000	7,130	5,440	5,560	5,760	6,720
29	6,360	5,500	5,200	5,150	-----	8,750	14,600	6,950	5,820	5,490	5,730	6,530
30	6,360	5,410	6,870	5,700	-----	8,660	14,200	7,060	5,700	5,620	5,820	6,410
31	6,260	-----	4,810	5,310	-----	8,370	-----	6,930	-----	5,620	5,760	-----
TOTAL	231,203	170,410	165,640	171,080	150,730	250,690	441,820	291,010	185,210	174,760	180,940	181,480
MEAN	7,458	5,480	5,343	5,519	5,198	8,087	14,730	9,387	6,174	5,637	5,837	6,049
MAX	9,330	6,270	5,810	5,870	6,250	9,240	17,100	13,700	6,730	5,810	6,270	6,720
MIN	6,260	5,410	4,810	5,010	5,240	7,360	8,730	6,930	5,700	5,550	5,560	6,020
CFSM	.77	.60	.55	.57	.53	.63	1.51	.96	.63	.58	.62	.67
IN.	.88	.67	.63	.65	.60	.96	1.69	1.11	.71	.67	.69	.69
CAL YR 1961	1	1	1	1	1	1	1	1	1	1	1	1
WAT YR 1962	1	1	1	1	1	1	1	1	1	1	1	1
	4,810	CFSM .98	IN 13.32									
	4,810	CFSM .73	IN 9.96									

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6,220	4,650	4,750	4,050	8,440	13,100	13,400	7,680	5,450	5,630	8,060	6,170
2	6,140	4,050	4,690	4,620	8,500	13,300	13,000	7,180	5,270	5,970	7,890	5,960
3	6,170	4,550	4,640	4,700	8,710	13,700	12,600	7,000	5,460	6,280	7,750	5,950
4	5,960	5,030	4,360	4,750	8,320	13,900	12,500	6,980	5,600	6,640	7,540	5,860
5	5,870	4,720	4,770	4,670	8,030	13,900	12,100	6,790	5,670	6,750	7,450	5,900
6	5,740	4,590	5,150	4,570	8,340	13,800	12,000	6,900	5,640	7,220	7,250	6,010
7	5,760	4,480	4,690	5,290	8,020	14,400	11,500	6,970	5,540	7,110	7,440	5,930
8	5,610	4,490	4,780	4,950	8,320	14,500	11,600	6,940	5,690	7,290	7,310	5,870
9	5,600	4,490	5,160	4,750	8,250	14,300	11,100	6,900	5,590	7,200	7,120	5,710
10	5,720	4,490	4,870	4,750	9,480	14,300	10,800	6,480	5,570	7,440	7,050	5,620
11	5,430	4,650	4,650	5,040	9,780	14,500	10,600	6,720	5,540	7,420	7,080	5,440
12	5,420	4,390	5,110	5,030	10,390	14,000	10,500	6,600	5,540	7,410	6,840	5,460
13	5,520	5,110	4,430	5,120	10,700	14,700	10,500	6,550	5,360	7,280	6,620	5,460
14	5,670	4,240	4,600	5,600	10,700	14,500	10,400	6,390	5,330	7,250	6,510	5,360
15	5,430	4,430	4,630	5,110	11,700	14,500	10,100	6,340	5,220	7,210	6,390	5,290
16	5,440	4,540	4,540	5,390	11,400	14,400	10,000	6,240	5,200	7,120	6,280	5,060
17	5,240	4,630	4,720	5,440	11,600	14,400	9,670	6,130	5,380	7,060	6,270	5,000
18	5,060	4,670	5,510	5,920	11,700	14,400	9,990	6,230	5,440	7,090	6,230	4,960
19	5,150	4,590	4,540	6,110	11,700	14,400	9,380	6,150	5,360	7,050	6,110	4,880
20	4,920	4,490	4,540	6,150	11,700	14,400	9,210	5,870	5,190	7,100	6,260	4,800
21	4,910	4,570	4,430	7,050	11,800	14,300	9,100	5,980	5,090	7,380	6,220	4,830
22	5,140	5,100	4,540	5,900	12,300	14,100	8,840	5,860	5,140	7,370	6,280	5,090
23	5,220	4,930	4,710	5,960	12,100	14,100	8,870	5,870	5,130	7,720	6,250	5,120
24	5,240	4,490	4,540	6,950	12,000	14,200	8,590	5,950	4,970	8,010	6,350	4,460
25	4,820	4,450	4,440	6,490	12,300	14,300	8,240	5,660	4,940	7,810	6,390	4,260
26	4,870	4,390	4,270	6,910	12,300	14,500	8,140	5,610	5,010	8,020	6,410	4,280
27	4,800	4,170	4,520	7,510	12,900	14,500	7,940	5,110	5,110	8,120	6,300	4,380
28	4,760	4,410	4,700	7,770	12,700	14,300	7,770	5,580	5,150	8,040	6,330	4,300
29	4,780	4,490	4,500	7,760	-----	14,100	7,580	5,810	5,430	8,140	6,190	4,910
30	4,800	4,600	4,900	8,040	-----	13,900	7,580	5,570	5,600	8,140	6,340	5,580
31	4,930	-----	4,550	8,380	-----	13,700	-----	5,570	-----	8,140	6,390	-----
TOTAL	166,340	137,080	144,120	180,990	295,490	439,800	302,800	196,700	160,640	226,410	208,900	157,400
MEAN	5,366	4,389	4,649	5,838	10,550	14,190	10,090	6,345	5,355	7,304	6,739	5,263
MAX	6,220	5,110	5,160	8,380	12,900	14,700	13,400	7,680	5,690	8,140	8,060	6,170
MIN	4,760	4,170	4,270	4,570	8,030	13,100	7,580	5,570	4,940	5,630	6,110	4,260
CFSM	.55	.47	.48	.60	1.08	1.46	1.06	.65	.55	.75	.69	.54
IN.	.64	.53	.55	.69	1.13	1.68	1.16	.75	.61	.87	.80	.60
CAL YR 1962	1	1	1	1	1	1	1	1	1	1	1	1
WAT YR 1963	1	1	1	1	1	1	1	1	1	1	1	1
	4,410	TOTAL 2,461,560	MEAN 6,800	MAX 17,100	MIN 4,170	CFSM .70	IN 9.49					
	4,410	TOTAL 2,617,770	MEAN 7,172	MAX 14,700	MIN 4,170	CFSM .74	IN 10.01					

## 2-3235 Suwannee River near Wilcox, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	4,800	4,160	4,220	4,590	17,900	19,000	22,800	15,300	18,100	10,100	15,500	22,300
2	4,740	4,600	3,880	4,340	18,100	19,600	22,200	15,800	17,300	10,100	15,800	22,200
3	5,090	4,290	4,020	4,250	18,300	20,400	21,800	16,400	16,600	10,200	16,200	21,900
4	5,360	4,170	4,060	4,290	18,400	21,100	21,400	16,800	16,000	10,200	16,000	21,600
5	5,690	4,260	4,040	4,730	18,500	21,800	21,100	17,400	15,600	10,300	17,600	21,400
6	5,580	4,430	4,030	4,150	18,700	22,400	20,800	18,400	15,300	10,500	17,700	21,200
7	5,520	4,420	3,800	4,570	18,600	23,100	20,400	19,600	15,000	10,500	18,200	20,600
8	5,530	4,250	3,780	4,590	18,500	23,800	20,100	20,800	14,600	10,500	18,500	20,100
9	5,560	4,160	4,220	4,730	18,200	24,500	19,500	22,100	14,400	10,600	18,800	19,500
10	5,610	4,400	3,830	5,150	17,900	25,200	18,900	23,500	14,200	10,900	19,100	19,300
11	5,220	4,470	3,900	4,980	17,800	25,800	18,200	24,800	13,800	11,000	19,800	20,800
12	5,120	4,230	3,970	6,080	17,600	26,500	17,700	25,900	13,700	11,100	20,100	22,400
13	5,220	4,170	4,160	7,200	17,500	27,000	17,300	27,000	13,600	11,300	20,200	22,800
14	5,110	4,120	4,390	7,480	17,600	27,600	17,000	27,800	13,400	11,500	20,200	23,500
15	4,860	4,020	4,240	8,370	17,600	28,100	16,700	28,400	13,500	11,400	20,200	25,000
16	4,860	4,040	4,010	9,270	17,600	28,700	16,500	28,900	13,500	11,300	20,300	27,300
17	4,800	4,110	3,960	9,920	17,500	29,100	16,400	29,200	13,200	10,800	20,500	30,000
18	4,740	4,070	4,010	11,300	17,500	29,300	16,400	29,400	12,900	11,200	20,800	32,500
19	4,610	4,080	4,210	11,800	17,600	29,500	16,400	29,200	12,800	11,500	21,100	33,500
20	4,550	4,060	4,190	12,200	17,400	29,800	16,400	28,800	12,600	11,500	21,400	34,400
21	4,560	4,110	4,330	13,200	17,100	29,700	16,400	28,300	12,300	11,800	21,600	36,500
22	4,680	3,910	4,250	13,600	17,100	29,300	16,300	27,700	12,000	12,000	21,900	36,700
23	4,600	3,980	4,300	14,200	17,100	28,900	16,100	27,000	11,500	12,100	22,100	36,600
24	4,310	4,200	4,680	14,400	17,100	28,400	15,800	26,000	10,800	12,400	22,200	36,400
25	4,340	3,860	4,220	15,000	17,400	27,800	15,500	25,100	10,800	12,500	22,300	36,000
26	4,360	3,850	4,110	15,500	17,700	27,400	15,200	24,000	10,600	12,500	22,400	35,600
27	4,340	3,990	4,450	15,900	18,000	26,800	15,000	22,800	10,500	12,800	22,500	35,100
28	4,260	4,200	4,400	16,500	18,600	26,000	15,200	21,800	10,300	13,700	22,500	34,600
29	4,600	4,570	4,650	16,800	18,800	25,200	15,200	20,800	10,200	14,200	22,500	34,000
30	4,090	4,170	4,430	17,000	-----	24,400	15,000	19,900	10,200	14,800	22,400	33,500
31	4,120	-----	4,000	17,400	-----	23,500	-----	19,000	-----	15,100	22,400	-----
TOTAL	150,830	125,350	128,740	302,990	517,700	799,700	533,700	727,700	399,300	360,400	622,800	837,300
MEAN	4,880	4,178	4,153	9,774	17,850	25,800	17,790	23,470	13,310	11,630	20,090	27,910
MAX	5,690	4,600	4,600	17,400	18,400	29,800	22,800	29,300	18,100	15,100	22,500	36,700
MIN	4,090	3,850	3,780	4,150	17,100	19,000	15,000	15,300	10,200	10,100	15,500	19,300
CFSM	.50	.43	.45	1.00	1.83	2.65	1.83	2.41	1.37	1.19	2.06	2.87
IN.	.58	.48	.49	1.16	1.98	3.06	2.04	2.78	1.53	1.38	2.38	3.20
CAL YR 1963	TOTAL 2,574,550			MEAN 7,054		MAX 14,700	MIN 3,780	CFSM .72	IN 9.84			
WAT YR 1964	TOTAL 7,506,510			MEAN 15,050		MAX 36,700	MIN 3,780	CFSM 1.55	IN 21.05			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	32,900	22,900	14,500	25,000	16,800	26,300	30,400	20,300	10,300	16,300	14,800	13,400
2	32,200	22,400	14,100	25,300	17,000	27,100	30,200	20,400	10,200	16,300	14,700	13,100
3	31,500	21,900	13,400	25,600	16,900	27,600	30,100	20,600	9,820	16,200	14,400	12,900
4	31,100	21,500	13,200	25,700	16,900	28,000	30,000	20,600	9,720	16,100	14,200	12,800
5	30,500	21,100	14,000	25,600	16,900	28,300	29,800	20,600	9,690	16,000	14,000	12,900
6	29,800	20,700	14,400	25,500	17,000	28,500	29,700	20,300	9,450	15,900	13,800	12,900
7	28,900	20,300	14,300	25,400	17,400	28,800	29,600	19,800	9,230	15,700	13,700	12,900
8	28,100	19,900	14,600	25,100	17,500	29,200	29,500	19,300	9,140	15,600	13,600	12,900
9	27,500	19,400	15,500	24,900	17,400	29,700	29,400	18,700	9,210	15,500	13,700	11,900
10	27,000	18,900	16,300	24,600	17,500	30,200	29,400	18,000	9,130	15,400	13,800	11,500
11	26,400	18,400	17,600	24,200	17,600	30,700	29,300	17,400	8,810	15,200	13,800	11,700
12	25,900	17,900	19,100	23,800	17,900	31,100	29,200	16,900	9,190	15,200	13,900	11,800
13	25,300	17,500	20,500	23,300	18,400	31,500	29,000	16,400	9,590	15,100	13,900	11,700
14	24,900	17,100	21,700	22,800	18,900	31,800	28,700	15,900	9,460	15,000	13,900	11,500
15	24,400	16,700	22,800	22,200	19,200	32,000	28,400	15,500	9,130	15,000	14,100	11,400
16	24,000	16,400	23,700	21,800	19,300	32,100	28,000	15,100	9,550	15,000	14,300	11,200
17	23,500	16,100	24,600	21,200	19,700	32,100	27,500	14,700	9,950	15,000	14,400	11,100
18	23,100	15,900	25,300	20,600	20,300	32,000	26,900	14,300	10,500	15,100	14,600	11,100
19	22,900	15,700	25,600	20,100	20,800	32,300	26,300	14,200	11,300	15,200	14,700	10,800
20	22,900	15,700	25,700	19,600	21,400	32,300	25,600	13,900	12,300	15,300	14,900	10,600
21	22,900	15,400	25,800	19,200	22,100	31,800	24,900	13,700	13,100	15,300	15,100	10,400
22	23,000	14,900	25,700	18,700	22,900	31,400	24,200	13,500	14,000	15,300	15,200	10,200
23	23,200	14,400	25,600	18,300	23,600	30,900	23,300	13,300	14,700	15,200	15,200	9,970
24	23,400	14,200	25,400	18,100	24,400	30,600	22,500	13,100	14,400	15,200	15,200	10,100
25	23,500	14,400	25,200	17,700	25,100	30,500	21,800	12,700	14,900	15,200	15,200	10,000
26	23,600	14,200	25,100	17,300	25,500	30,400	21,400	12,200	15,400	15,100	15,100	9,970
27	23,700	14,200	25,800	17,100	25,700	30,400	21,100	12,000	15,800	14,900	14,900	10,300
28	23,700	14,100	25,500	16,800	26,000	30,400	20,800	11,600	16,000	14,700	14,700	10,900
29	23,700	14,100	25,100	16,600	-----	30,500	20,500	11,300	16,200	14,600	14,400	11,100
30	23,500	14,100	24,900	16,700	-----	30,500	20,300	11,100	16,300	14,600	14,200	11,100
31	23,200	-----	24,900	16,900	-----	30,500	-----	10,600	-----	14,600	13,800	-----
TOTAL	800,200	520,400	650,000	665,700	560,100	938,400	797,800	488,000	346,470	474,800	446,300	344,140
MEAN	25,810	17,350	20,970	21,470	18,000	30,300	26,990	15,740	11,550	15,320	14,400	11,470
MAX	32,900	22,900	25,800	25,700	26,000	32,300	30,400	20,600	16,300	16,300	15,200	13,400
MIN	22,900	14,100	13,200	16,600	16,800	26,300	20,300	10,600	8,810	14,600	13,700	9,970
CFSM	2.65	1.78	2.15	2.21	2.06	3.11	2.73	1.62	1.19	1.57	1.48	1.18
IN.	3.06	1.99	2.48	2.54	2.14	3.59	3.05	1.87	1.32	1.81	1.71	1.32
CAL YR 1964	TOTAL 7,072,190			MEAN 19,320		MAX 36,700	MIN 4,150	CFSM 1.99	IN 27.03			
WAT YR 1965	TOTAL 7,033,310			MEAN 19,270		MAX 32,900	MIN 8,810	CFSM 1.98	IN 26.88			

## 2-3240 Steinhatchee River near Cross City, Fla

Location --Lat 29°47'11", long 83°19'18", in NE¼ sec 16, T 8 S, R 10 E, on right bank 0.7 mile downstream from Atlantic Coast Line Railroad bridge, 0.7 mile south of Clara, and 16 miles northwest of Cross City, Dixie County

Drainage area --350 sq mi, approximately (see Remarks)

Records available --February 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 7.84 ft above mean sea level, datum of 1929 Prior to Mar 12, 1964, graphic water-stage recorder at same site and datum

Average discharge --15 years, 326 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 11, 1960	2,940	14.77	June 12, 1961	10	2.50
1962	Sept 16, 1962	1,010	9.95	May 20, 1962	5.1	a 2.50
1963	Mar 2, 1963	1,120	9.83	June 3, 1963	9.4	2.54
1964	Sept 13, 14, 1964	17,600	18.90	June 20, 1964	14	2.62
1965	Aug 6, 1965	1,350	10.76	June 6, 7, 1965	9.9	2.49

a Occurred Nov 16-23, 1961

1950-65 Maximum discharge, 17,600 cfs Sept 13, 14, 1964 (gage height, 18.90 ft), minimum, 3.4 cfs June 27, 28, 1950, minimum gage height, 2.44 ft June 27, 28, 1950, June 23, 24, 1955

Remarks --Records good except those for periods of shifting control, which are fair Below about 500 cfs all of flow enters sinkhole 0.5 mile downstream from gage Above about 4,000 cfs, discharge measurements are made along U S Highway 19 (98 and Alternate 27), measurements include all flow from about 3 miles northwest to 5 miles southeast of main channel (drainage area is increased by about 30 sq mi)

Revisions (water years) --WSP 1234 1950

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,670	212	34	116	446	420	152	142	14	33	34	486
2	1,870	191	32	118	429	385	136	144	13	30	28	576
3	1,920	172	31	114	494	349	122	122	13	26	32	628
4	1,800	155	31	105	509	324	115	104	12	24	31	611
5	1,620	140	31	98	494	301	102	90	12	21	31	559
6	1,420	129	31	92	474	274	91	79	12	19	37	510
7	1,420	116	30	87	582	253	96	65	11	17	45	482
8	1,810	104	30	88	680	233	88	54	12	17	40	406
9	2,190	98	30	94	675	207	172	48	12	22	37	356
10	2,660	92	29	86	662	184	493	49	12	43	73	311
11	2,920	87	31	82	629	168	484	50	12	79	122	326
12	2,840	82	40	78	582	157	499	51	12	72	81	268
13	2,600	78	39	139	534	145	505	48	12	55	60	246
14	2,280	74	37	140	486	142	469	42	13	54	54	232
15	1,930	68	40	356	444	132	453	38	12	46	49	212
16	1,630	64	46	344	408	121	560	34	15	42	43	196
17	1,360	59	43	323	373	122	562	30	16	52	37	166
18	1,130	56	41	304	345	197	548	27	15	69	33	142
19	965	52	40	296	369	243	524	24	15	98	32	125
20	840	48	38	318	344	262	481	23	14	88	48	116
21	746	46	56	296	319	262	425	21	22	72	44	104
22	656	44	77	276	301	250	364	20	48	69	40	91
23	570	43	76	260	344	233	318	19	62	61	39	78
24	497	42	72	257	455	217	273	18	61	51	39	66
25	433	41	66	278	491	194	232	18	46	46	39	56
26	378	41	62	311	497	177	199	17	39	56	88	50
27	339	41	59	316	468	162	176	19	49	99	136	45
28	303	40	56	307	444	150	205	20	52	74	111	54
29	270	38	52	410	-----	136	171	17	41	60	123	45
30	241	37	54	463	-----	125	144	17	37	49	382	40
31	225	-----	61	463	-----	123	-----	15	-----	41	451	-----
TOTAL	41,534	2,490	1,395	7,214	13,274	6,648	9,164	1,465	716	1,585	2,439	7,583
MEAN	1,340	83.0	45.0	233	474	214	305	47.3	23.9	51.1	78.7	253
MAX	2,920	212	77	463	680	420	562	144	62	99	451	628
MIN	225	37	29	78	301	121	88	15	11	17	28	40
CFSM	3.83	.24	.13	.66	1.35	.61	.87	.14	.07	.15	.22	.72
IN.	4.41	.26	.15	.77	1.41	.71	.97	.16	.08	.17	.26	.81

CAL YR 1960 TOTAL 186,431 MEAN 509 MAX 2,920 MIN 14 CFSM 1.46 IN 19.81  
WAT YR 1961 TOTAL 95,507 MEAN 262 MAX 2,920 MIN 11 CFSM .75 IN 10.15



## 2-3240 Steinhatchee River near Cross City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	37	12	26	43	46	35	81	14	8.9	22	116	78
2	31	12	24	44	45	44	85	14	8.9	19	171	81
3	29	12	24	44	44	76	78	13	8.3	16	267	66
4	27	11	23	43	43	73	71	13	7.8	15	340	55
5	25	12	23	40	42	71	66	12	7.8	15	347	55
6	23	13	22	58	43	64	64	12	8.3	16	323	128
7	22	14	22	85	46	59	64	11	10	16	355	180
8	21	14	22	85	48	57	64	10	10	17	364	412
9	19	13	21	81	62	54	58	10	10	24	398	507
10	18	12	21	75	106	53	53	10	10	25	358	523
11	18	12	20	75	91	51	48	11	13	24	316	592
12	17	12	20	93	81	53	45	10	20	23	275	576
13	18	11	34	91	75	54	68	10	25	20	236	521
14	18	11	39	86	68	51	62	9.4	28	18	206	598
15	21	11	38	81	64	86	53	8.9	29	18	176	767
16	21	10	37	76	68	100	46	8.4	46	18	172	934
17	19	10	35	71	80	91	39	7.8	37	17	190	717
18	18	10	36	66	75	81	36	7.3	35	17	190	740
19	17	10	52	62	69	75	33	7.3	27	18	161	677
20	16	10	49	59	64	69	31	7.3	23	19	155	799
21	15	10	47	57	58	66	28	7.3	22	30	142	743
22	15	10	43	54	54	63	25	6.8	19	27	134	639
23	15	22	40	53	52	118	23	6.8	21	25	187	656
24	14	40	38	52	48	138	21	6.4	44	23	193	611
25	14	39	36	49	46	130	20	6.4	52	18	217	508
26	14	37	34	48	45	124	18	6.4	43	17	190	441
27	13	33	33	47	42	110	18	5.9	34	16	163	444
28	13	30	44	55	37	98	18	5.9	26	19	143	412
29	13	28	46	55	-----	85	16	5.9	23	22	158	363
30	13	27	44	52	-----	77	15	7.8	22	39	109	321
31	12	-----	42	49	-----	67	-----	10	-----	68	91	-----
TOTAL MEAN	586 18.9	508 16.4	1,033 33.3	1,929 62.2	1,642 56.4	2,373 76.5	1,349 45.0	281.9 9.09	679.0 22.6	684 22.1	6,833 217	14,144 471
MAX	37	40	52	93	106	138	85	14	52	68	398	934
MIN	12	10	20	40	37	35	15	5.9	7.8	15	91	55
CFSM	.05	.05	.10	.18	.17	.22	.13	.03	.06	.06	.63	1.35
IN.	.06	.05	.11	.20	.17	.25	.14	.03	.07	.07	.73	1.50

CAL YR 1961 TOTAL 52,215 MEAN 143 MAX 680 MIN 10 CFSM .41 IN 5.55  
 MAY YR 1962 TOTAL 32,041.9 MEAN 87.8 MAX 934 MIN 5.9 CFSM .25 IN 3.40

Note --Shifting-control method used Jan 25 to Sept 15

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	291	36	161	91	276	946	122	24	11	146	510	134
2	205	33	171	88	264	1,090	107	31	10	128	433	131
3	235	31	166	85	293	1,100	96	29	10	120	369	118
4	209	33	154	81	348	1,080	86	28	12	112	328	106
5	187	32	148	78	390	1,030	77	26	13	106	291	92
6	161	30	137	91	539	986	69	25	12	140	286	85
7	140	29	125	119	634	928	76	23	11	164	289	81
8	124	28	124	116	670	844	75	22	12	244	265	75
9	110	30	130	110	697	819	68	20	19	414	240	66
10	95	33	122	106	697	901	63	18	18	669	222	57
11	86	31	114	105	667	851	56	18	18	712	196	49
12	71	34	119	107	936	802	53	17	18	614	184	44
13	63	45	110	137	938	752	48	15	18	508	164	39
14	57	44	106	140	926	700	43	15	18	422	179	35
15	57	40	105	137	960	639	37	15	17	377	164	32
16	46	38	102	137	816	577	35	14	16	486	166	33
17	44	36	99	149	752	528	31	13	17	566	206	30
18	39	34	96	166	691	488	30	13	25	585	198	28
19	36	33	93	176	765	446	28	13	26	537	171	26
20	33	31	91	179	812	408	26	13	26	467	149	23
21	31	32	88	232	788	364	25	12	26	441	155	22
22	55	45	85	224	745	326	24	12	29	577	161	21
23	46	46	82	217	682	300	23	12	38	584	156	22
24	43	45	78	208	818	276	21	12	38	675	144	24
25	45	43	75	209	1,010	252	20	12	52	831	156	23
26	40	40	75	203	1,010	233	20	12	76	895	182	21
27	36	37	105	214	1,010	214	19	11	92	862	172	20
28	33	39	103	340	971	193	18	10	106	802	164	23
29	31	39	103	326	-----	174	18	10	131	686	152	368
30	30	59	102	305	-----	154	18	10	152	587	137	658
31	34	-----	95	289	-----	137	-----	11	-----	529	125	-----
TOTAL MEAN	2,769 90.0	1,106 36.9	3,451 111	5,247 169	20,035 716	18,538 598	1,434 47.8	516 16.6	1,067 35.6	14,986 483	6,714 217	2,486 82.9
MAX	291	59	171	340	1,010	1,100	127	31	152	895	510	658
MIN	26	28	75	78	264	137	18	10	10	106	125	20
CFSM	.26	.11	.32	48	2.04	1.71	.14	.05	.10	1.38	.62	.24
IN.	.30	.12	.37	56	2.13	1.97	.15	.05	.11	1.59	.71	.26

CAL YR 1962 TOTAL 37,260.9 MEAN 102 MAX 934 MIN 5.9 CFSM .29 IN 3.96  
 MAY YR 1963 TOTAL 78,369 MEAN 215 MAX 1,100 MIN 10 CFSM .61 IN 8.33

Note --Shifting-control method used Mar 30 to July 7, Aug 30 to Sept 28

## 2-3240 Steinhatchee River near Cross City, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	831	27	66	88	823	1,730	465	1,490	38	239	3,540	810
2	790	27	62	87	751	1,860	420	1,670	35	172	3,040	690
3	670	26	58	84	685	1,870	379	1,760	32	248	2,570	600
4	559	24	56	81	678	1,780	345	1,730	28	339	2,170	510
5	459	27	53	80	682	1,650	315	1,630	26	443	1,800	440
6	380	34	52	79	893	1,480	288	1,470	39	404	1,600	380
7	323	34	50	190	908	1,300	264	1,260	68	328	1,590	330
8	278	30	48	236	1,150	1,150	244	1,080	62	257	1,480	290
9	242	28	47	323	1,220	1,020	223	900	50	206	1,340	290
10	214	34	45	368	1,230	909	197	760	42	251	1,210	600
11	185	38	44	382	1,170	809	176	638	39	404	1,330	3,000
12	164	44	44	838	1,070	745	159	530	34	762	1,650	10,000
13	145	42	63	1,100	962	689	143	454	30	1,260	2,030	16,200
14	127	39	129	1,230	884	622	131	395	28	1,370	2,360	16,400
15	113	36	129	1,270	808	558	148	331	24	1,340	2,400	12,600
16	102	34	119	1,240	877	510	144	284	21	1,100	2,300	9,470
17	93	33	110	1,300	848	456	129	244	19	873	2,130	7,430
18	84	32	102	1,410	956	412	115	212	18	1,310	1,920	5,990
19	74	48	93	1,420	1,140	371	105	182	17	1,440	1,730	5,050
20	66	33	88	1,430	1,120	728	93	158	19	1,440	1,720	4,340
21	59	28	84	1,400	1,090	760	84	136	48	1,460	1,720	3,740
22	54	27	80	1,330	1,040	700	75	118	53	1,470	1,720	3,190
23	50	28	81	1,260	962	673	67	101	39	1,380	1,720	2,730
24	46	33	92	1,220	868	636	62	95	42	1,240	1,730	2,300
25	44	35	89	1,130	816	590	58	75	36	1,280	1,740	1,870
26	42	35	87	1,030	780	615	54	75	38	1,510	1,700	1,510
27	39	34	84	949	821	714	62	66	33	2,010	1,640	1,230
28	36	34	80	1,040	1,400	675	486	57	32	3,070	1,500	1,020
29	34	29	78	985	1,570	670	938	51	32	4,280	1,300	854
30	32	68	75	926	---	593	1,220	46	27	4,500	1,100	745
31	29	---	76	868	---	515	---	42	---	4,080	950	---
TOTAL	6,360	1,051	2,364	25,374	28,202	27,790	7,589	18,030	1,119	40,466	56,730	114,609
MEAN	205	33.0	76.3	819	972	896	253	582	37.3	1,305	1,830	3,820
MAX	831	68	129	1,430	1,570	1,870	1,220	1,760	97	4,500	3,540	16,400
MIN	29	24	37	679	678	371	47	46	17	172	250	290
CFSM	.59	.10	.22	2.34	2.78	2.56	.77	1.66	.11	3.73	5.23	10.9
IN.	.68	.11	.25	2.70	3.00	2.95	.81	1.92	.12	4.30	6.03	12.2
CAL YR 1963 TOTAL	80,804			MEAN 221		MAX 1,100	MIN 10	CFSM .63	IN 8.59			
WAT YR 1964 TOTAL	329,690			MEAN 901		MAX 16,400	MIN 17	CFSM 2.57	IN 35.03			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	723	134	117	482	195	286	305	305	11	168	450	225
2	656	124	108	490	232	758	279	291	10	220	808	274
3	596	120	117	425	235	942	258	274	10	250	1,010	298
4	588	114	208	399	222	1,150	237	255	10	243	1,070	294
5	772	108	537	369	208	1,250	219	235	10	246	978	279
6	697	101	638	348	211	1,270	201	214	10	261	1,310	256
7	648	95	746	326	255	1,210	181	192	10	232	1,170	228
8	612	94	835	305	256	1,100	165	168	12	255	1,030	196
9	577	94	850	286	255	969	148	144	15	308	882	177
10	521	98	819	271	246	859	134	122	17	385	784	151
11	466	83	763	258	235	774	121	106	30	346	714	134
12	418	79	700	241	226	687	107	91	79	409	636	121
13	375	75	661	229	228	614	94	78	148	441	570	107
14	377	73	743	220	260	562	81	66	138	561	505	95
15	455	70	699	213	337	510	69	56	144	572	497	88
16	506	68	649	204	345	458	64	47	198	540	689	82
17	462	64	615	189	345	418	56	40	225	478	601	122
18	449	61	577	177	342	385	49	34	246	415	498	229
19	407	58	524	169	337	414	45	29	231	417	426	214
20	358	65	487	162	422	596	57	24	202	457	348	189
21	316	62	462	156	306	577	55	21	175	401	300	166
22	291	71	436	151	289	551	51	19	150	350	267	141
23	270	65	410	148	276	550	49	16	132	300	228	136
24	250	62	390	165	291	534	45	15	117	250	193	201
25	229	92	366	172	327	503	42	13	114	230	165	204
26	213	103	346	178	306	465	132	12	115	192	145	183
27	199	97	320	204	297	430	222	13	145	185	142	237
28	181	101	540	190	289	402	283	12	138	174	141	599
29	169	136	545	180	---	370	288	11	174	153	129	863
30	157	129	532	174	---	342	302	11	156	219	186	971
31	144	---	510	201	---	321	---	11	---	298	210	---
TOTAL	13,104	2,706	16,420	7,642	7,693	20,262	4,339	2,925	3,173	9,960	17,082	7,455
MEAN	423	90.2	530	247	275	654	145	94.4	106	321	551	249
MAX	772	136	850	482	345	1,270	305	305	246	572	1,310	971
MIN	144	58	108	148	195	286	42	11	10	153	129	82
IN.	1.21	.26	1.51	.70	.79	1.87	.41	.27	.30	.92	1.57	.71
CFSM	1.39	.29	1.74	.81	.82	2.15	.46	.31	.34	1.06	1.82	.79
CAL YR 1964 TOTAL	352,139			MEAN 962		MAX 16,400	MIN 17	CFSM 2.75	IN 37.42			
WAT YR 1965 TOTAL	112,761			MEAN 309		MAX 1,310	MIN 10	CFSM .88	IN 11.98			

2-3244 Fenholloway River near Foley, Fla

Location --Lat 30°05'53", long 83°26'19", in NE 1/4 sec 36, T 4 S, R 8 E, near left bank at downstream side of bridge on U S Highway 27, 1 1/8 miles upstream from small tributary, and 4 miles northeast of Foley, Taylor County

Drainage area --About 60 sq mi (revised)

Records available --February to August 1955 (discharge measurements only), September 1955 to September 1965

Gage --Digital water-stage recorder Datum of gage is 53 59 ft above mean sea level, datum of 1929 (Florida State Road Department bench mark) Prior to Mar 13, 1964, graphic water-stage recorder at same site and datum

Average discharge --10 years, 73 1 cfs (52,920 acre-ft per year)

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (300 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 8, 1960	2000	* 587	11 67	Jan 18, 1964	0900	319	9 02	Aug 23, 1964	1200	354	9 51
				Feb 28, 1964	1100	654	11 82	Sept 12, 1964	1000	* 3,210	15 21
Sept 23, 1962	1200	* 138	5 71	Apr 29, 1964	1700	465	10 75				
				July 19, 1964	1515	400	10 10	Dec 6, 1964	0745	* 265	8 12
Jan 12, 1963	2400	* 284	8 49	July 27, 1964	1945	676	11 93				
				Aug 2, 1964	0745	503	11 02				
Jan 13, 1964	0500	317	8 98	Aug 11, 1964	2400	630	11 70				

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Sept 26, 30, 1961	2 3	0 97	1964	(c)	1 8	0 86
1962	(a)	1 4	b 84	1965	June 4-10, 1965	2 7	0 92
1963	June 6, 1963	1 8	87				

a Many days during November and December 1961

b Occurred Dec 3, 1961

c Oct 29 to Nov 5 and Nov 16-23, 1963

1955-65 Maximum discharge, 3,210 cfs Sept 12, 1964 (gage height, 15 21 ft), minimum, 1 4 cfs for many days during November and December 1961, minimum gage height, 0 84 ft Dec 3, 1961

Remarks --Records fair

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	414	45	7.4	22	88	60	11	7 8	2.5	4.9	4.4	22
2	349	41	7.1	27	80	54	11	7.8	2.5	4.1	3 8	14
3	217	38	6.6	26	83	48	9 8	7.1	2.5	3.6	3.4	14
4	257	34	6.2	23	86	43	9.0	6 2	2.4	3.3	3.1	11
5	224	30	6.0	17	82	38	8.3	5.7	2.4	3.0	3.0	9 0
6	195	27	5 7	15	78	34	7 6	6.0	2.4	3.0	5.1	8.5
7	303	24	5.5	14	114	30	8.3	6 6	2 5	2.9	7.2	8.3
8	561	22	5.2	13	148	23	11	5 6	2.7	2.7	4.4	7.1
9	573	19	5 1	14	141	25	12	5 1	2.6	3.0	3.8	6.2
10	529	17	4.9	14	122	22	12	5 0	2 8	4.1	4.1	7.2
11	476	15	4 9	13	114	19	12	4 7	2 6	4.7	4 0	11
12	415	15	4.9	12	101	16	3.	4.4	2.5	4.4	3.7	11
13	351	14	4.7	26	90	16	60	4.1	2.5	5.3	4.5	11
14	291	13	4.6	115	81	15	57	3.9	2 5	7.1	7.4	9.6
15	246	12	5.7	116	74	15	52	3.7	2.6	5.7	4.4	8.3
16	215	12	9.2	108	68	15	54	3.5	4.5	4.6	3.6	7.9
17	190	11	11	99	61	16	50	3.2	9.0	3.9	3.1	6.6
18	171	11	12	91	55	27	43	3.1	6.9	3.6	2.9	5.3
19	155	9.8	11	83	54	36	35	3.0	5.9	6.0	2.8	4.3
20	145	10	10	81	53	35	29	2.9	4.7	17	4 9	3.9
21	134	9.4	12	74	50	31	25	2 8	16	22	4.2	3.5
22	119	3.7	14	67	46	26	21	2.7	32	23	3.8	4.1
23	106	4.1	14	61	58	22	18	2.8	28	22	3.5	2.9
24	95	7.6	13	57	88	19	15	3.0	27	20	3.3	2.6
25	65	7.8	13	62	91	17	13	2 9	16	18	3.5	2.4
26	76	8 1	12	74	85	15	12	2.8	12	18	5.6	2.3
27	69	8.8	11	80	76	13	10	2.8	8.8	22	5 9	2.8
28	63	7.0	10	79	68	12	10	2.7	7 9	15	4 7	3.0
29	50	4.7	9.4	94	-----	11	9.4	2.6	7.1	11	4.1	2.6
30	51	4.1	9.8	99	-----	9.8	8.1	2.6	5.9	7.8	22	2.4
31	47	-----	12	94	-----	9.4	-----	2.5	-----	5.7	29	-----
TOTAL	7,264	505 1	267.9	1,772	2,542	779 2	665.5	1,30.2	224 7	281.4	173.2	217.8
MEAN	234	16 8	8.64	57.2	81.6	25 1	22 2	4 20	7.49	9.08	5.59	7.26
MAX	573	45	14	116	148	60	60	7.8	32	23	29	22
MIN	47	7.6	4.6	12	46	9 4	7 6	2.5	2.4	2.7	2.8	2.3
AC-FT	14,410	1,100	531	3,510	4,650	1,550	1,320	258	446	558	344	432

CAL YR 1960. TOTAL 38,160.2

WAT YR 1961 TOTAL 14,623.0

MEAN 104

MEAN 40.1

MAX 573

MAX 573

MIN 2.0

MIN 2.3

AC-FT 75,690

AC-FT 29,000

## 2-3244 Fenholloway River near Foley, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2.2	1.5	1.4	1.6	2.3	1.6	64	4.6	2.1	3.2	4.6	8.0
2	2.0	1.5	1.4	1.6	2.1	1.2	83	4.2	2.1	2.8	10	6.8
3	2.0	1.5	1.4	1.5	2.5	2.2	80	3.7	2.1	2.6	18	5.9
4	1.8	1.4	1.5	1.5	2.2	1.4	75	3.3	2.0	2.3	15	5.2
5	1.8	1.4	1.5	1.5	2.0	1.0	67	3.2	2.0	2.3	11	7.0
6	1.5	1.6	1.5	3.1	2.0	8.3	67	3.0	2.2	2.2	8.8	27
7	1.7	1.6	1.5	4.2	2.3	7.0	61	2.7	2.1	2.2	6.8	36
8	1.7	1.5	1.5	3.0	1.9	6.3	59	2.5	2.0	2.4	5.6	83
9	1.7	1.4	1.4	3.2	1.9	6.8	56	2.3	2.0	3.1	5.4	92
10	1.7	1.4	1.5	3.0	1.8	5.7	52	2.3	2.2	3.3	7.0	91
11	1.7	1.4	1.5	2.4	1.8	5.6	50	3.1	2.4	3.2	5.9	59
12	1.7	1.4	1.5	2.8	1.7	4.9	46	3.1	2.3	2.8	4.9	83
13	1.7	1.4	1.5	2.7	1.7	4.6	46	3.9	2.6	2.4	4.2	136
14	1.6	1.5	1.7	2.6	1.6	4.6	42	3.2	2.5	2.2	3.7	72
15	1.7	1.5	1.6	2.6	1.6	8.4	38	3.0	2.6	2.2	3.3	78
16	1.7	1.4	1.6	2.5	1.7	15	33	2.9	3.6	2.1	3.0	87
17	1.7	1.4	1.6	2.1	2.0	13	30	2.6	3.2	2.1	3.6	82
18	1.6	1.4	1.6	2.6	1.8	11	26	2.4	4.1	2.3	4.0	82
19	1.6	1.5	1.6	2.7	1.8	8.8	22	2.3	2.9	2.3	3.3	80
20	1.8	1.5	1.6	2.0	1.7	7.5	19	2.2	2.7	2.2	3.0	112
21	1.8	1.5	1.5	2.0	1.6	6.7	16	2.4	2.6	2.2	2.8	175
22	1.7	1.4	1.5	2.0	1.8	6.0	14	2.8	2.5	2.2	2.7	126
23	1.6	1.5	1.5	2.0	1.6	13	12	2.8	2.4	2.1	2.9	136
24	1.6	1.6	1.4	2.0	1.6	14	10	2.7	2.4	2.1	6.7	130
25	1.7	1.6	1.4	2.0	1.6	15	9.1	2.6	2.3	2.0	8.6	118
26	1.7	1.5	1.4	2.5	1.5	14	8.1	2.3	2.2	2.0	14	102
27	1.7	1.5	1.4	2.1	1.6	12	7.6	2.2	2.2	2.0	16	93
28	1.7	1.5	1.4	2.6	1.8	9.6	7.3	2.1	2.8	2.4	16	79
29	1.7	1.4	1.4	2.6	1.8	8.1	6.0	2.0	3.7	4.0	14	73
30	1.6	1.4	1.4	2.5	1.8	7.2	5.2	2.0	3.4	4.3	12	64
31	1.5	1.5	1.5	3.0	1.8	6.5	5.2	2.1	3.4	3.7	9.6	-----
TOTAL	54.1	44.2	46.6	74.3	50.8	294.9	1,105.3	85.8	75.2	79.2	236.4	2,252.9
MEAN	1.75	1.47	1.50	2.40	1.61	9.51	36.6	2.77	2.51	2.55	7.63	75.1
MAX	2.2	1.6	1.8	4.2	2.5	22	83	4.6	3.7	4.3	18	136
MIN	1.5	1.4	1.4	1.5	1.6	1.0	5	2.0	2.0	2.0	2.7	5.9
AC-FT	107	38	92	147	101	585	2,190	170	149	157	469	4,470

CAL YR 1961 TOTAL 6,730.9 MEAN 13.4 MAX 148 MIN 1.4 AC-FT 13,350  
WAT YR 1962 TOTAL 4,397.7 MEAN 12.1 MAX 136 MIN 1.4 AC-FT 8,730

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	56	12	48	16	83	180	17	6.5	2.3	16	17	14
2	50	11	40	14	77	194	15	6.4	2.7	16	16	8.1
3	44	10	34	13	81	186	14	5.6	2.2	14	16	5.7
4	38	9.9	29	12	95	175	13	5.1	2.0	12	15	4.6
5	33	9.1	26	11	95	166	11	4.3	1.9	10	13	4.0
6	28	8.1	25	14	186	164	10	3.8	1.8	8.9	12	3.7
7	25	7.5	23	210	195	149	9.9	3.4	2.6	7.5	16	3.4
8	23	6.8	21	28	199	143	9.2	3.3	4.6	6.7	13	3.2
9	38	7.5	21	1.3	179	142	8.6	3.7	5.4	6.4	11	2.8
10	108	7.6	19	22	161	149	8.0	3.1	4.6	7.5	9.4	2.6
11	93	7.0	18	22	155	140	7.6	2.7	3.6	6.0	8.0	2.3
12	76	6.6	18	227	222	132	7.0	2.6	3.1	4.8	7.0	2.2
13	63	7.8	17	273	217	123	6.5	2.3	2.7	4.0	6.4	2.0
14	51	7.3	16	253	159	114	5.7	2.4	2.3	3.6	6.4	2.4
15	41	6.8	15	218	182	114	5.1	3.4	2.2	3.6	8.8	2.0
16	33	6.4	14	190	160	108	4.6	3.6	1.9	4.6	9.2	1.9
17	26	6.0	14	169	154	100	4.3	3.2	2.2	8.3	10	1.9
18	23	5.7	13	153	142	92	4.0	2.7	2.7	6.8	8.9	1.9
19	19	5.4	13	140	172	83	3.6	2.9	4.1	5.6	7.6	1.9
20	17	5.2	12	129	176	76	3.3	3.1	3.8	6.4	6.8	1.9
21	15	5.1	12	146	166	68	3.3	4.2	3.1	25	5.9	1.9
22	14	6.2	11	134	153	60	3.2	4.5	2.9	44	5.4	2.0
23	13	6.2	10	120	140	52	2.8	4.2	4.1	37	4.9	2.3
24	11	5.9	10	107	192	45	2.7	4.0	5.9	38	4.3	2.5
25	10	5.4	9.6	96	230	39	2.6	3.7	5.7	43	4.1	2.2
26	8.8	5.1	9.6	88	221	34	2.4	3.4	13	37	7.2	2.2
27	7.8	4.8	17	104	204	30	2.4	3.2	21	32	5.4	2.0
28	7.2	4.6	21	113	187	27	2.3	2.6	19	35	4.5	2.3
29	6.5	4.8	21	105	-----	23	2.3	2.6	17	30	4.0	2.1
30	6.0	24	19	96	-----	21	2.8	2.8	15	24	3.6	1.4
31	9.7	-----	17	90	-----	18	-----	2.6	-----	20	6.4	-----
TOTAL	1,044.0	226.0	593.2	3,057	4,644	3,153	194.2	111.6	164.9	523.7	273.2	124.7
MEAN	33.7	7.33	19.1	98.6	166	102	6.47	3.60	5.50	16.9	8.81	4.16
MAX	108	24	48	273	230	194	17	6.5	21	44	17	21
MIN	6.0	4.6	9.6	11	77	18	2.3	1.8	3.6	3.6	3.6	1.9
AC-FT	2,070	448	1,180	6,060	9,210	6,250	385	221	327	1,040	542	247

CAL YR 1962 TOTAL 6,118.0 MEAN 16.8 MAX 136 MIN 1.5 AC-FT 12,130  
WAT YR 1963 TOTAL 4,109.5 MEAN 13.7 MAX 273 MIN 1.8 AC-FT 27,990

## 2-3244 Fenholloway River near Foley, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	8.5	1.8	3.7	6.8	134	444	72	429	9.0	27	400	142
2	6.7	1.8	3.5	6.6	124	412	62	437	8.1	98	489	121
3	5.5	1.8	3.6	5.9	114	378	53	419	7.2	115	424	109
4	4.6	1.8	3.9	5.4	105	360	46	379	6.4	84	359	87
5	4.2	1.8	3.6	5.3	103	345	40	346	5.8	69	357	72
6	3.7	1.9	3.4	5.4	139	324	35	316	15	51	288	65
7	3.4	1.9	3.2	7.1	150	307	33	291	48	36	301	57
8	3.1	1.9	3.2	5.3	170	293	30	270	45	28	401	47
9	2.9	1.9	3.1	1.04	166	281	29	248	38	23	363	37
10	2.7	1.9	3.0	139	154	268	27	221	31	27	331	72
11	2.9	2.0	2.8	136	140	248	25	196	26	31	507	483
12	5.0	2.3	2.8	260	128	225	23	174	21	51	606	2,710
13	2.8	2.0	4.9	307	113	204	21	154	16	142	526	2,110
14	2.5	1.9	14	256	109	183	18	132	13	153	445	1,880
15	2.2	1.9	11	209	99	166	18	109	11	114	365	1,540
16	2.2	1.8	8.0	184	98	157	16	86	9.5	85	315	1,230
17	2.1	1.8	6.7	257	98	141	15	67	8.0	75	275	996
18	2.0	1.8	5.9	316	51	121	13	53	6.8	273	245	819
19	2.0	1.8	5.4	291	216	104	12	41	6.1	386	214	694
20	2.0	1.8	5.0	259	215	176	11	32	5.4	342	203	613
21	2.0	1.8	4.8	732	194	208	8.7	27	4.9	269	226	530
22	2.0	1.8	4.6	202	178	202	7.5	23	4.6	214	303	453
23	2.0	1.9	4.8	186	165	180	7.1	19	4.5	182	350	382
24	2.0	2.1	5.8	178	150	158	7.1	15	4.4	164	317	325
25	2.0	2.1	5.5	170	145	139	6.8	13	5.3	208	282	283
26	1.9	2.0	5.2	163	140	125	6.7	13	6.8	301	253	247
27	1.9	2.0	5.2	156	206	126	9.4	12	8.7	568	232	212
28	1.9	3.0	5.0	172	616	124	187	11	13	609	218	182
29	1.8	2.4	4.6	164	550	113	442	10	14	514	203	155
30	1.8	4.8	4.4	152	-----	98	441	11	23	420	182	156
31	1.8	-----	4.4	141	-----	83	-----	10	-----	342	162	-----
TOTAL	92.1	64.9	155.0	4,727.5	5,075	6,693	1,722.3	4,564	425.5	6,001	10,131	16,809
MEAN	2.97	2.16	5.00	153	175	216	57.4	14.2	194	327	327	560
MAX	8.5	5.4	14	316	616	444	442	437	48	609	606	2,710
MIN	1.8	1.8	2.8	5.3	93	83	6.7	10	4.4	23	162	37
AC-FT	183	129	307	9,380	10,070	13,280	3,420	9,050	844	11,900	20,090	33,340
CAL YR 1963	TOTAL 12,558.3				MEAN 34.4	MAX 273	MIN 1.8	AC-FT 24,930				
WAT YR 1964	TOTAL 56,460.3				MEAN 154	MAX 2,710	MIN 1.8	AC-FT 112,000				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	170	19	36	45	47	51	81	113	2.8	197	131	13
2	162	17	32	41	44	126	69	98	2.8	215	195	11
3	142	16	34	37	41	188	59	83	2.8	192	174	10
4	137	14	101	33	36	225	51	72	2.8	157	139	10
5	174	13	232	30	33	215	48	59	2.7	125	111	9.4
6	184	13	260	28	32	192	31	47	2.7	104	132	8.1
7	162	12	232	26	41	170	29	38	2.7	86	151	7.1
8	136	11	205	24	46	151	28	31	2.7	91	133	5.3
9	116	11	189	22	45	132	25	26	2.7	84	106	4.4
10	99	10	178	20	40	117	23	23	2.8	73	92	4.0
11	80	9.6	167	19	35	107	20	20	3.7	63	92	4.0
12	69	9.1	155	18	32	98	18	17	5.2	71	115	5.3
13	59	8.7	145	16	34	92	22	17	4.3	77	120	5.9
14	56	8.4	155	16	69	90	15	15	4.8	78	110	5.2
15	77	8.0	149	15	92	84	8.0	12	11	72	95	5.9
16	91	7.8	137	14	96	75	7.0	9.4	32	64	83	8.0
17	97	7.5	124	14	92	68	6.7	7.9	44	56	77	11
18	100	7.1	113	13	86	63	6.2	6.8	59	50	64	11
19	94	6.8	102	12	88	114	5.8	5.9	65	56	56	9.4
20	85	6.0	92	12	84	191	8.1	5.3	47	62	48	8.1
21	75	11	86	12	77	226	8.3	4.8	31	57	47	7.2
22	64	10	82	11	68	209	7.8	4.5	27	83	40	6.5
23	54	9.2	77	11	58	185	7.4	4.3	21	63	32	5.9
24	44	8.8	74	16	55	164	26	3.9	18	29	14	4.1
25	36	13	70	23	72	145	16	3.6	25	43	21	6.2
26	32	15	65	24	73	127	38	3.2	56	34	18	5.5
27	30	14	66	29	67	128	110	3.1	124	32	16	6.2
28	28	22	64	25	58	129	165	3.0	172	29	14	4.1
29	25	50	60	23	-----	121	155	3.0	177	26	15	65
30	23	44	55	29	-----	108	133	3.0	161	49	17	55
31	21	-----	50	51	-----	93	-----	2.9	-----	49	15	-----
TOTAL	2,717	414.0	3,587	709	1,641	4,184	1,227.3	745.6	1,115.5	2,488	2,487	360.8
MEAN	87.6	13.8	116	22.9	58.6	135	41.9	24.1	37.2	80.3	80.2	12.0
MAX	184	50	260	51	96	226	165	113	177	215	195	65
MIN	21	6.8	32	11	32	51	5.8	2.9	2.7	26	14	4.0
AC-FT	5,390	821	7,110	1,410	3,250	8,300	2,430	1,480	2,210	4,930	4,930	716
CAL YR 1964	TOTAL 62,806.3				MEAN 172	MAX 2,710	MIN 4.4	AC-FT 124,700				
WAT YR 1965	TOTAL 21,676.2				MEAN 59.4	MAX 260	MIN 2.7	AC-FT 42,990				

## 2-3245 Fenholloway River at Foley, Fla

Location --Lat 30°03'53", long 83°32'01", in NW¼ sec 9, T 5 S, R 8 E, near center of span on downstream side of bridge on State Highway S356 in Foley, Taylor County, 0.4 mile south of Foley School, 0.8 mile downstream from clarifier flume of the Buckeye Cellulose Corp plant, and 13 miles upstream from Spring Creek

Drainage area --About 110 sq mi (revised)

Records available --September 1946 to September 1965

Gage --Water-stage recorder Datum of gage is 29.36 ft above mean sea level, datum of 1929. Prior to June 24, 1947, staff gage and June 24, 1947, to Jan 19, 1954, water-stage recorder, at same site and datum Jan 20, 1954, to May 5, 1959, water-stage recorder at site 900 ft upstream at same datum

Average discharge --19 years, 125 cfs (unadjusted)

Extremes --Maximums and minimum (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (400 cfs), water years 1961-65							
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Oct 9, 1960	1100	* 1,020	14 47	Jan 19, 1964	0300	462	13 73
				Feb 29, 1964	0400	1,010	14 78
Sept 25, 1962	0900	* 204	12 72	May 1, 1964	0600	797	14 34
				July 20, 1964	0230	665	14 10
Feb 26, 1963	1400	* 319	13 47	July 28, 1964	1500	1,110	14 85
				Aug 2, 1964	1800	1,200	15 00
Jan 14, 1964	0300	470	13 75	Aug 23, 1964	2200	792	14 33
				Sept 12, 1964	2230	* 4,810	18 52
				Oct 1, 1964	1100	423	14 10
				Dec 8, 1964	1530	504	14 43
				Mar 5, 1965	0630	430	14 32
				Mar 21, 1965	2230	426	14 31
				July 2, 1965	1600	* 539	14 42

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Aug 19, 1961	a 2 8	-	1964	Dec 26, 1963	4 8	10 86
1962	Jan 17, 1962	a 10	b 9 02	1965	Apr 7, 1965	34	c 11 70
1963	Dec 26, 1962	16	9 35				

a Minimum daily  
b Occurred Aug 1, 1962  
c Occurred June 3, 1965

1946-65 Maximum discharge, 4,810 cfs Sept 12, 1964 (gage height, 18.52 ft), minimum daily, 2.8 cfs Aug 19, 1961, minimum gage height, 6.40 ft Jan 8, 9, 1950

Remarks --Records fair except those below 200 cfs and those for 1963 water year, which are poor. Since Feb 1, 1954, natural flow of stream affected by large ground-water withdrawals by cellulose plant upstream. Records include return flow from plant.

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	724	118	90	39	222	172	81	79	71	80	72	94
2	505	106	89	47	213	164	70	80	62	79	76	88
3	500	102	88	52	210	155	82	78	75	81	75	87
4	414	105	88	80	215	147	83	78	72	75	75	85
5	378	102	88	91	212	131	92	74	71	82	74	83
6	345	99	87	92	212	119	84	72	72	83	78	84
7	390	96	86	93	232	122	83	73	71	78	77	81
8	806	94	86	93	287	120	83	73	71	81	70	79
9	1,010	94	86	93	247	116	85	69	73	86	45	79
10	950	94	84	91	273	110	86	75	73	79	8.8	81
11	812	92	86	92	261	107	86	75	76	76	4.0	83
12	665	92	87	86	248	105	97	80	75	74	3.7	81
13	558	90	87	98	232	102	124	75	68	77	5.0	81
14	479	97	88	166	215	101	131	75	76	64	9.0	83
15	430	100	89	226	202	98	124	76	72	75	5.9	90
16	390	94	90	230	192	94	128	75	68	74	4.0	84
17	360	98	91	232	184	96	129	74	82	74	3.1	83
18	334	98	92	224	175	100	125	74	85	74	2.9	79
19	312	98	86	217	172	106	117	73	82	74	2.8	78
20	298	98	87	208	168	109	110	72	79	79	5.2	77
21	280	96	92	197	161	107	104	73	89	97	5.5	80
22	262	95	93	188	153	105	94	74	96	92	16	73
23	250	94	90	178	156	101	96	76	102	91	33	79
24	232	94	55	166	198	96	85	74	100	90	42	75
25	214	93	38	167	213	96	64	75	91	88	47	75
26	200	92	36	185	215	92	59	75	92	94	58	73
27	186	92	31	196	202	89	54	78	88	88	66	73
28	178	90	30	202	188	89	56	74	85	90	71	76
29	167	92	32	215	-----	87	62	74	82	82	78	76
30	147	89	36	228	-----	86	61	74	81	77	86	79
31	136	-----	36	227	-----	84	-----	73	-----	70	95	-----
TOTAL	12,992	2,894	2,324	4,701	5,898	3,406	2,725	2,320	2,380	2,504	1,293.9	2,419
MEAN	412	96.5	75.0	152	211	110	90.8	74.8	79.3	80.8	41.7	80.6
MAX	1,010	118	93	232	287	172	131	80	102	97	95	94
MIN	136	89	30	39	153	84	54	69	62	64	2.8	73
AC-FT	25,770	5,740	4,610	9,320	11,700	6,760	5,400	4,600	4,720	4,970	2,570	4,800
CAL YR 1960	TOTAL 72,329			MEAN 198		MAX 1,010		MIN 30		AC-FT 143,500		
WAT YR 1961	TOTAL 45,856.9			MEAN 126		MAX 1,010		MIN 2.8		AC-FT 90,960		

## 2-3245 Penholloway River at Foley, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV.	DEC.	JAN	FEB	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.
1	73	65	70	76	84	88	30	79	10	81	13	79
2	76	74	71	72	85	99	15	82	79	77	14	80
3	71	72	67	71	86	87	97	82	79	80	14	81
4	70	71	70	71	82	85	108	79	79	79	15	81
5	71	72	71	72	85	83	106	78	78	80	14	83
6	74	73	71	76	83	82	167	71	79	75	17	82
7	72	72	70	73	86	81	100	75	78	65	49	84
8	72	71	71	76	86	83	100	79	78	68	71	82
9	73	67	68	75	86	80	99	75	81	77	75	99
10	75	67	74	75	87	78	99	79	80	80	74	125
11	72	68	67	72	86	76	98	82	79	78	76	131
12	71	68	71	73	85	75	96	87	78	79	77	132
13	70	69	75	75	86	76	94	82	77	78	78	134
14	72	70	75	72	91	76	93	83	78	79	76	130
15	72	70	70	66	88	78	92	79	76	78	76	128
16	71	68	66	76	88	74	91	79	78	78	78	135
17	73	70	70	76	85	74	88	81	77	77	76	107
18	71	71	73	73	11	76	93	77	77	78	77	116
19	70	73	72	72	84	76	82	79	77	77	77	134
20	72	70	70	70	87	75	79	79	76	76	75	148
21	71	70	71	74	83	78	79	80	79	75	73	177
22	70	72	71	77	11	72	76	78	78	61	77	188
23	71	78	71	86	86	72	71	73	80	28	78	195
24	74	72	72	86	86	73	59	79	50	16	78	201
25	63	71	73	80	86	74	60	77	79	16	80	195
26	67	71	75	83	87	74	51	80	78	13	80	186
27	70	71	75	86	86	74	55	81	78	20	79	178
28	70	73	72	84	89	73	61	76	79	17	79	166
29	70	70	71	83	-----	72	69	71	77	14	78	157
30	70	70	73	84	-----	73	79	79	79	13	71	147
31	71	-----	72	81	-----	75	-----	80	-----	12	75	-----
TOTAL	2,207	2,114	2,206	2,138	2,603	2,414	2,522	2,441	2,351	1,825	1,975	3,961
MEAN	71.2	70.0	71.2	69.0	85.7	77.9	84.1	78.7	78.4	58.9	63.7	132
MAX	76	76	75	86	91	99	108	83	83	81	80	201
MIN	63	63	66	10	11	72	51	71	76	12	13	79
AC-FT	4,360	4,200	4,380	4,240	4,760	4,790	5,000	4,840	4,660	3,620	3,920	7,860

CAL YR 1961 TOTAL 3,178.9 MEAN 71.5 MAX 287 MIN 2.8 AC-FT 67,790  
WAT YR 1962 TOTAL 2,559 MEAN 76.2 MAX 201 MIN 10 AC-FT 56,650

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	141	57	67	71	190	263	100	87	79	85	101	88
2	125	55	85	90	179	292	97	77	81	88	101	87
3	122	80	89	87	177	301	96	76	80	88	107	86
4	115	66	106	87	187	294	91	77	80	86	96	87
5	111	73	94	86	194	280	86	77	82	94	53	92
6	106	78	94	38	237	275	89	75	80	91	30	92
7	104	77	92	93	218	269	87	74	84	87	28	84
8	97	84	92	98	296	262	86	87	86	91	34	84
9	111	76	90	97	254	253	85	70	85	88	29	89
10	163	84	89	96	269	257	83	70	87	88	26	98
11	168	84	89	95	258	258	81	73	87	85	22	88
12	160	86	88	139	288	249	81	76	86	84	35	89
13	140	86	90	268	307	240	80	73	88	81	36	86
14	129	85	88	319	301	231	80	70	90	79	56	83
15	119	86	85	309	248	228	79	68	88	82	75	82
16	110	88	83	288	275	228	77	65	91	86	87	80
17	106	86	85	266	262	221	78	64	92	88	87	81
18	101	89	88	255	253	211	77	68	93	89	85	81
19	97	86	85	240	258	200	71	94	89	89	84	81
20	97	86	87	231	213	191	77	71	90	89	82	77
21	92	82	89	233	269	190	78	71	86	94	83	77
22	93	86	89	231	260	167	70	74	79	91	84	78
23	91	86	85	221	251	157	72	74	89	95	82	75
24	91	86	53	209	258	149	51	66	89	140	34	73
25	90	83	19	197	307	137	55	67	86	128	84	69
26	89	85	19	187	317	131	70	73	92	134	85	70
27	88	84	41	193	307	123	74	74	92	120	86	69
28	88	84	69	209	301	116	74	76	92	124	85	71
29	84	89	84	209	-----	111	74	76	94	124	86	80
30	89	92	92	203	-----	108	86	79	85	115	87	69
31	82	-----	89	195	-----	104	-----	80	-----	109	89	-----
TOTAL	3,399	2,449	2,518	5,630	7,334	6,506	2,365	2,261	2,607	3,012	2,190	2,446
MEAN	110	81.3	81.2	182	262	210	78.8	72.3	86.9	97.2	70.6	81.5
MAX	168	92	106	319	317	301	100	87	94	140	107	98
MIN	82	55	19	86	177	104	51	65	79	79	22	69
AC-FT	6,740	4,840	4,990	11,170	14,550	12,900	4,690	4,440	5,170	5,970	4,340	4,850

CAL YR 1962 TOTAL 30,383 MEAN 83.2 MAX 201 MIN 10 AC-FT 60,260  
WAT YR 1963 TOTAL 42,707 MEAN 117 MAX 319 MIN 10 AC-FT 84,710

## 2-3245 Fenholloway River at Foley, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	69	77	68	59	243	884	180	742	76	106	660	407
2	67	82	69	62	225	775	169	736	77	125	736	376
3	69	81	74	63	210	687	162	692	73	266	736	322
4	67	75	77	64	195	605	145	650	73	220	665	275
5	73	74	78	65	190	555	133	585	70	204	640	242
6	64	67	75	65	234	515	127	535	78	173	595	220
7	42	77	73	68	261	479	124	488	116	147	555	206
8	55	77	73	81	279	456	117	448	140	113	625	186
9	28	77	72	182	285	430	116	430	127	107	665	167
10	57	77	71	291	267	416	112	402	111	105	575	175
11	75	80	73	294	252	394	109	356	104	112	698	590
12	74	80	72	349	240	372	105	319	97	212	1,130	3,670
13	84	74	76	442	219	336	97	296	92	225	1,130	4,300
14	82	78	79	454	205	305	94	257	79	299	950	3,600
15	78	81	74	394	150	281	87	230	78	254	775	3,260
16	85	81	68	332	190	272	70	202	72	214	635	2,760
17	90	81	66	352	190	251	70	175	70	198	550	2,220
18	84	81	67	438	234	255	74	152	69	364	492	1,820
19	82	85	68	450	338	210	75	132	64	590	492	1,550
20	88	87	67	414	363	275	72	127	63	655	488	1,290
21	90	59	65	370	338	340	72	111	64	565	520	1,090
22	88	14	72	338	314	352	72	105	62	461	620	916
23	91	7.2	59	310	291	322	72	98	60	384	736	785
24	88	6.6	27	294	270	290	68	93	64	340	764	691
25	90	6.4	8.4	279	255	269	75	85	58	344	698	614
26	88	14	5.2	267	255	254	66	78	62	466	635	562
27	91	55	7.5	258	288	251	64	75	90	698	555	520
28	94	67	29	264	616	251	238	75	86	1,060	530	471
29	91	77	50	270	960	238	575	78	90	1,020	515	437
30	94	70	59	258	-----	214	753	86	94	848	470	407
31	87	-----	61	240	-----	198	-----	77	-----	709	430	-----
TOTAL	2,365	1,948.2	1,883.1	8,067	8,397	11,712	4,293	8,915	2,459	11,584	20,265	34,124
MEAN	76.3	64.9	60.7	260	290	376	143	288	82.0	374	654	1,137
MAX	94	87	79	454	960	384	753	742	140	1,060	1,130	4,300
MIN	24	6.4	5.2	59	190	198	64	75	58	62	430	167
AC-FT	4,690	3,860	3,740	16,000	16,660	23,230	8,520	17,680	4,880	22,980	40,200	67,680
CAL YR 1963	TOTAL	40,547.3	MEAN	111	MAX	319	MIN	5.2	AC-FT	80,420		
WAT YR 1964	TOTAL	116,012.3	MEAN	317	MAX	4,300	MIN	5.2	AC-FT	230,100		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	413	118	135	160	144	162	184	248	70	382	210	105
2	394	118	128	159	140	246	160	213	70	450	333	101
3	364	118	142	154	134	341	144	188	69	417	333	100
4	347	116	217	136	126	410	132	158	76	353	297	93
5	388	112	413	107	125	423	123	128	76	294	259	91
6	407	108	497	84	132	388	117	115	79	251	264	92
7	379	102	486	87	158	344	79	101	76	215	294	93
8	339	97	433	82	153	310	81	93	77	215	355	96
9	312	99	391	82	160	277	84	86	77	223	328	91
10	267	94	379	84	152	255	84	83	77	207	273	88
11	255	87	350	87	135	229	78	60	81	189	255	90
12	231	84	328	76	128	213	74	75	83	189	282	90
13	217	87	310	89	131	204	70	72	88	167	307	90
14	200	88	320	99	176	195	71	74	88	137	302	85
15	225	88	325	95	241	184	68	85	99	121	277	90
16	275	84	307	93	229	171	59	86	140	108	241	93
17	284	92	287	89	217	153	60	83	180	99	226	93
18	284	94	273	92	229	150	58	82	210	88	208	88
19	273	95	255	85	237	213	58	79	230	92	190	83
20	250	92	237	83	233	323	60	78	199	94	173	93
21	244	93	225	84	219	417	60	77	151	93	167	89
22	213	94	213	86	202	404	60	77	137	139	172	90
23	191	95	206	84	186	358	56	73	124	163	152	103
24	178	95	196	80	168	328	60	74	110	158	141	91
25	147	98	190	109	183	297	67	77	121	148	122	100
26	125	96	183	118	198	273	99	79	142	143	114	97
27	117	101	181	103	190	259	219	75	247	128	105	102
28	112	115	186	104	176	259	336	76	323	118	104	121
29	104	150	181	96	-----	250	328	75	261	123	106	208
30	111	167	176	102	-----	223	290	78	333	127	108	196
31	121	-----	175	136	-----	202	-----	79	-----	144	106	-----
TOTAL	7,787	3,077	3,325	3,155	4,887	8,461	3,414	3,047	4,194	5,770	6,804	3,042
MEAN	251	103	105	102	175	273	114	96.3	136	186	219	101
MAX	413	167	497	160	241	423	336	248	361	450	355	208
MIN	104	84	128	82	125	150	56	72	69	88	104	83
AC-FT	15,450	6,100	16,510	6,260	9,690	16,780	6,770	6,040	8,320	11,440	13,500	6,030
CAL YR 1964	TOTAL	129,005	MEAN	352	MAX	4,300	MIN	58	AC-FT	255,900		
WAT YR 1965	TOTAL	61,963	MEAN	170	MAX	4,497	MIN	56	AC-FT	122,900		



## 2-3260 Econfina River near Perry, Fla

Location --Lat 30°10'14", long 83°49'26", in NE¼ sec 4, T 4 S, R 5 E, on right bank 10 ft downstream from highway bridge, 3.0 miles downstream from Natural Well Branch, 3.9 miles upstream from bridge on U S Highway 98, and 14.7 miles northwest of Perry, Taylor County

Drainage area --198 sq mi (revised)

Records available --February 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 14.35 ft above mean sea level, unadjusted Prior to June 18, 1965, graphic water-stage recorder at same site and datum

Average discharge --15 years, 134 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Oct 11, 1960	740	10 60	(a)	b 17	c 2 33
1962	Apr 9, 1962	710	10 58	(d)	b 9 2	e 2 12
1963	Mar 2, 1963	203	5 92	Nov 17, 18, 1962	8 6	f 2 01
1964	Sept 17, 1964	1,250	11 59	Many days	b 17	f 2 39
1965	Mar 6, 1965	838	10 92	June 3, 1965	33	2 81

a Aug 22, Sept 25-27, 29, 1961

b Minimum daily

c Occurred Sept 27, 1961

d Dec 9-11, 1961, July 24, 1962

e Occurred Nov 21, 22, 1961

f Occurred Oct 30, 1963

1950-65 Maximum discharge, 2,540 cfs Sept 17, 1957 (gage height, 12.78 ft) minimum, 2.3 cfs July 8, 1955, minimum gage height, 1.87 ft Mar 2, 3, 1957

Remarks --Records good except those for period of shifting control and those for water years 1962 and 1963, which are fair

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	545	103	60	74	224	402	62	39	27	35	24	27
2	612	96	56	86	228	372	65	39	26	34	22	27
3	612	90	52	93	226	331	62	38	25	34	21	27
4	594	84	50	96	218	295	58	36	24	32	20	27
5	562	78	48	96	204	272	56	35	24	31	20	26
6	521	74	47	93	190	248	54	34	23	31	20	24
7	504	70	45	88	197	227	59	33	23	29	20	24
8	566	66	44	84	208	210	61	32	27	28	19	23
9	660	63	43	82	209	192	61	32	22	28	19	23
10	724	60	42	79	211	175	60	33	21	28	19	24
11	738	58	42	76	213	159	58	33	21	28	19	28
12	730	56	43	74	214	146	60	34	21	28	19	28
13	710	55	43	75	203	135	68	33	20	27	19	28
14	680	53	44	100	188	126	65	32	20	26	18	30
15	640	52	47	114	173	117	65	31	20	25	19	31
16	588	50	56	128	160	109	67	30	21	24	20	28
17	534	49	63	153	149	102	69	29	24	23	20	26
18	474	48	68	193	140	100	68	28	23	25	19	24
19	409	47	69	213	136	98	64	28	24	26	18	22
20	393	45	68	208	139	94	59	27	24	28	18	21
21	312	44	65	190	133	91	55	27	41	29	18	20
22	280	43	62	171	137	87	52	27	60	28	17	19
23	251	42	60	154	157	83	49	26	60	28	18	18
24	226	42	57	144	228	78	46	26	56	27	19	18
25	202	41	56	142	261	74	44	28	54	28	18	17
26	179	43	55	147	326	70	43	31	52	28	18	17
27	160	55	53	155	384	66	41	31	48	27	19	17
28	143	65	52	160	406	63	42	31	44	30	19	18
29	132	69	51	179	-----	60	41	31	41	31	19	17
30	120	65	50	205	-----	57	40	29	38	28	21	18
31	111	-----	53	218	-----	57	-----	28	-----	26	23	-----
TOTAL	13,954	1,806	1,644	4,070	5,855	4,696	1,694	971	949	880	602	697
MEAN	450	60.2	53.0	131	209	151	56.5	31.3	31.6	28.4	19.4	23.2
MAX	738	103	69	218	406	402	69	39	60	35	24	31
MIN	111	41	42	74	132	57	40	26	20	23	17	17
CFSM	2.27	30	.27	.66	1.06	.77	.29	.16	.16	.14	.10	.12
IN.	2.02	.34	.31	.76	1.10	.88	.32	.18	.18	.17	.11	.13

CAL YR 1960 TOTAL 79,627  
WAT YR 1961 TOTAL 37,818

MEAN 218  
MEAN 104

MAX 785  
MAX 738

MIN 28  
MIN 17

CFSM 1.10  
CFSM .52

IN 14.96  
IN 7.10

## 2-3260 Econfina River near Perry, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	10	9.6	12	19	17	92	62	20	19	12	12
2	17	10	9.8	12	19	19	192	57	23	19	12	11
3	16	10	9.6	12	19	21	350	57	21	18	13	11
4	16	10	9.4	12	18	26	439	48	21	17	15	11
5	16	10	9.4	12	18	30	506	45	20	17	15	12
6	16	10	9.6	14	18	30	575	42	20	16	14	12
7	16	10	10	14	18	29	643	40	20	15	13	12
8	15	10	9.4	17	13	28	688	38	19	15	14	16
9	15	10	9.2	18	19	26	704	36	20	17	14	23
10	14	10	9.2	19	19	25	702	34	20	19	15	32
11	14	10	9.2	19	18	24	676	33	20	19	15	42
12	14	10	9.4	20	18	24	636	33	22	17	14	52
13	14	10	11	20	18	23	589	32	24	15	13	51
14	13	9.8	10	20	18	23	534	32	24	14	12	43
15	13	9.6	11	20	17	24	487	30	24	13	12	38
16	13	9.6	12	20	17	24	430	28	24	12	11	34
17	13	9.6	12	20	17	26	365	27	22	12	11	32
18	13	9.6	12	19	17	28	311	27	24	11	11	30
19	12	9.4	12	19	18	27	267	26	26	11	11	29
20	12	9.4	12	19	18	27	233	25	24	10	12	29
21	12	9.4	12	19	18	26	204	24	22	10	11	28
22	12	9.4	12	19	18	26	175	24	21	10	11	26
23	12	10	12	19	18	27	150	23	21	9.8	11	26
24	11	10	12	19	18	27	131	22	21	9.2	11	26
25	11	10	11	19	18	29	113	22	20	10	14	26
26	11	10	11	19	18	31	99	21	20	12	16	25
27	11	10	11	19	18	31	69	20	19	11	15	25
28	11	10	11	19	18	30	80	20	19	11	14	24
29	11	10	11	19	-----	30	74	19	19	11	14	24
30	10	10	11	19	-----	40	68	19	19	11	13	23
31	10	-----	11	19	-----	31	-----	19	-----	12	17	-----
TOTAL	410	295.4	331.2	547	503	819	10,606	980	639	423.0	401	785
MEAN	13.2	9.46	10.7	17.0	18.0	26.4	354	31.6	21.3	13.6	12.9	26.2
MAX	17	10	12	20	19	31	704	62	26	19	16	52
MIN	10	9.4	9.2	12	17	17	68	19	19	9.2	11	11
CFSM	.07	.05	.05	.09	.09	.13	1.79	.16	.11	.07	.07	.13
IN.	.08	.06	.06	10	.09	15	1.99	.18	.12	.08	.09	.15
CAL YR 1961	TOTAL 21,451.0	MEAN 58.8	MAX 406	MIN 9.2	CFSM .30	IN 4.03						
WAT YR 1962	TOTAL 16,742.0	MEAN 45.9	MAX 704	MIN 9.2	CFSM .23	IN 3.14						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	23	11	13	14	60	197	57	24	19	48	57	37
2	23	11	15	18	64	203	54	23	19	43	52	35
3	22	10	17	18	62	199	51	23	18	40	49	34
4	22	11	18	18	61	190	48	23	18	36	50	32
5	22	10	16	18	61	188	46	22	18	36	59	30
6	21	9.8	18	18	69	193	43	21	17	33	57	30
7	21	9.8	16	14	77	187	43	21	18	33	52	30
8	20	9.2	16	13	83	174	42	20	18	32	48	28
9	21	10	16	20	93	163	41	19	19	32	43	27
10	22	9.8	18	21	98	165	39	19	19	32	43	26
11	21	9.2	18	21	101	163	38	18	18	32	47	24
12	21	9.8	18	38	103	156	36	18	18	30	51	23
13	20	9.8	18	69	106	153	35	18	18	28	52	23
14	19	9.2	18	84	108	151	33	21	17	27	56	22
15	19	9.2	16	110	115	147	32	22	16	27	73	21
16	13	8.8	18	141	124	141	30	23	17	28	85	21
17	16	8.8	18	150	124	139	30	23	18	30	78	20
18	17	9.2	16	129	114	136	28	23	21	30	84	20
19	16	9.2	16	102	111	132	28	24	25	30	88	20
20	16	9.0	17	92	113	124	27	23	27	28	82	19
21	15	9.5	17	97	114	115	26	23	28	28	82	19
22	15	10	17	89	120	106	25	22	30	34	74	18
23	14	10	16	89	124	98	25	22	32	42	68	18
24	14	10	16	86	130	92	24	22	33	52	62	18
25	13	10	16	82	142	86	23	21	42	67	56	18
26	13	10	16	77	147	82	22	21	48	80	52	18
27	13	10	16	74	160	77	22	21	47	85	48	18
28	12	10	16	72	182	72	21	20	47	88	45	25
29	12	10	17	70	-----	67	20	20	52	90	43	38
30	12	13	16	69	-----	64	22	20	51	81	42	49
31	12	-----	18	68	-----	60	-----	20	-----	68	39	-----
TOTAL	547	298.0	535	1,991	2,971	4,222	1,011	660	790	1,368	1,817	761
MEAN	17.6	9.95	17.2	64.2	106	136	33.7	21.3	26.3	44.1	58.6	25.4
MAX	23	15	18	150	162	203	57	24	52	90	88	49
MIN	12	9.8	13	18	61	60	20	18	27	39	39	18
CFSM	.08	.08	.09	.12	.14	.17	.19	.11	.13	.22	.30	.13
IN.	10	.06	.10	.37	.56	.79	.19	.12	.15	.26	.34	.14
CAL YR 1962	TOTAL 17,083.6	MEAN 46.8	MAX 704	MIN 8.8	CFSM .24	IN 3.21						
WAT YR 1963	TOTAL 16,969.6	MEAN 46.5	MAX 203	MIN 8.8	CFSM .23	IN 3.19						

## 2-3260 Econfina River near Perry, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	50	18	24	30	319	910	211	814	58	90	380	434
2	47	18	24	30	304	910	194	860	55	90	351	363
3	42	17	25	30	283	898	179	860	52	98	315	313
4	39	17	25	30	265	874	165	828	49	109	280	280
5	36	17	25	30	258	852	157	791	46	102	252	247
6	34	17	25	30	279	818	142	755	113	90	247	217
7	33	17	25	31	280	782	133	722	212	80	265	187
8	31	17	25	77	284	738	126	694	161	72	237	162
9	30	17	25	129	293	702	134	656	147	66	227	140
10	29	17	25	135	297	656	127	612	141	68	241	149
11	28	17	25	153	291	597	116	567	131	73	305	447
12	27	18	25	254	280	543	107	516	112	88	360	738
13	26	17	26	326	266	485	100	448	100	108	420	1,050
14	25	17	31	342	251	418	96	376	98	102	483	1,170
15	25	17	36	357	238	362	98	313	78	92	515	1,220
16	24	17	39	367	246	329	94	265	69	83	539	1,240
17	24	17	36	404	242	301	88	227	63	82	549	1,250
18	23	17	37	437	280	276	83	196	58	235	552	1,230
19	22	17	35	446	345	253	78	167	54	288	552	1,170
20	21	17	34	457	371	311	73	145	50	277	582	1,080
21	21	17	33	466	398	333	69	128	50	263	624	958
22	20	17	32	463	426	335	65	114	48	255	664	870
23	20	19	32	449	437	341	62	101	45	249	706	788
24	20	19	32	428	427	341	59	92	49	235	728	724
25	20	19	32	407	410	324	57	84	66	211	726	668
26	20	20	32	388	390	306	57	80	62	208	708	592
27	19	20	31	366	428	295	60	76	66	229	670	527
28	19	21	30	364	674	278	351	70	59	401	640	455
29	14	22	30	358	656	261	632	66	57	417	590	375
30	13	23	29	341	-----	244	718	64	64	407	542	311
31	18	-----	28	327	-----	227	-----	61	-----	392	496	-----
TOTAL	829	540	917	8,452	10,118	15,300	4,626	11,746	2,401	5,617	14,756	19,355
MEAN	26.7	18.0	29.6	273	349	494	154	379	80.0	181	476	645
MAX	50	23	39	466	856	910	718	860	212	417	728	1,250
MIN	14	17	24	30	238	227	57	61	45	66	227	140
CFSM	1.14	.09	1.15	1.38	1.76	2.49	.78	1.91	.40	.92	2.40	3.26
IN.	.16	.10	.17	1.59	1.90	2.87	.87	2.21	.45	1.06	2.77	3.64

CAL YR 1963 TOTAL 17,877 MEAN 49.0 MAX 203 MIN 16 CFSM .25 IN 3.36  
 WAT YR 1964 TOTAL 94,657 MEAN 259 MAX 1,250 MIN 17 CFSM 1.31 IN 17.78

Note --Shifting-control method used Oct 4 to Jan 8

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

CAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	274	112	81	196	115	146	287	400	35	316	162	57
2	242	105	80	187	115	404	270	409	34	310	165	54
3	218	99	80	178	117	326	251	397	34	340	166	54
4	235	95	104	167	117	758	232	374	35	295	183	64
5	305	90	201	157	114	824	215	339	35	254	224	70
6	339	86	228	149	114	938	199	302	35	222	279	70
7	350	82	245	141	120	883	163	341	34	195	210	65
8	335	78	366	153	122	806	169	228	34	174	212	60
9	306	74	402	127	126	779	155	196	36	163	209	55
10	270	71	403	121	127	750	143	167	46	157	196	52
11	234	68	385	117	127	714	132	144	62	158	200	49
12	205	66	358	112	124	676	123	124	82	176	190	46
13	187	64	350	108	124	636	112	108	90	226	182	47
14	191	61	382	103	139	596	102	96	95	260	172	44
15	254	59	390	100	150	552	95	85	144	238	181	43
16	278	58	399	98	156	506	92	76	218	247	223	43
17	313	57	417	94	170	456	89	69	323	289	256	46
18	331	55	417	90	197	410	81	63	479	327	257	52
19	326	54	399	87	215	388	76	58	582	350	238	52
20	307	54	376	84	210	366	102	54	617	356	208	53
21	274	57	352	82	195	385	106	51	602	348	182	53
22	248	58	330	80	184	378	102	48	561	342	157	52
23	227	57	308	78	174	379	96	46	507	320	139	49
24	207	56	290	86	166	378	89	44	438	278	124	47
25	190	65	270	96	166	360	82	43	366	241	109	49
26	176	70	252	98	159	339	119	41	308	217	98	53
27	162	71	247	102	153	340	176	40	274	207	88	52
28	150	72	239	104	150	338	246	39	262	198	80	70
29	139	79	227	104	-----	330	284	38	260	176	74	98
30	130	80	216	105	-----	317	360	37	263	169	67	108
31	120	-----	206	116	-----	302	-----	36	-----	162	62	-----
TOTAL	7,516	2,153	9,042	3,602	4,146	15,921	4,768	4,417	6,891	7,711	5,243	1,707
MEAN	242	71.8	292	116	148	514	159	142	230	249	169	56.9
MAX	350	112	417	196	215	838	360	409	617	356	257	108
MIN	120	54	80	78	114	146	76	34	157	62	43	-----
CFSM	1.22	.36	1.47	.59	.75	2.59	.80	.72	1.16	1.26	.85	.29
IN.	1.41	.40	1.70	.68	.78	2.99	.90	.83	1.29	1.45	.98	.32

CAL YR 1964 TOTAL 111,082 MEAN 364 MAX 1,250 MIN 30 CFSM 1.53 IN 20.86  
 WAT YR 1965 TOTAL 73,117 MEAN 200 MAX 836 MIN 34 CFSM 1.01 IN 13.73

## 2-3265 Aucilla River at Lamont, Fla

Location --Lat 30°22'11", long 83°48'25", in NE¼ sec 27, T 1 S, R 5 E, near left bank on downstream side of bridge on U S Highway 19, 0.6 mile southeast of Lamont, Jefferson County

Drainage area --747 sq mi (revised)

Records available --February 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 42.90 ft above mean sea level, unadjusted. Prior to Jan 30, 1958, at site 65 ft upstream at same datum. Jan 30, 1958, to Mar 10, 1964, graphic water-stage recorder at present site and datum

Average discharge --15 years, 385 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Feb 28, 1961	860	9.03	June 14, 15, 1961	37	2.48
1962	Apr 3, 1962	4,100	12.57	Many days	11	a 1.99
1963	Feb 27, 1963	769	8.38	Sept 26, 1963	4.6	b 1.91
1964	May 8, 1964	5,860	13.29	Many days	0	c 5.50
1965	Mar 5, 1965	6,000	13.30	Sept 27, 1965	131	7.03

a Occurred Sept 1, 1962

b Occurred Aug 26, 27, 1963 prior to completion of dam on Aug 27

c Occurred Nov 16-18, 1963

1950-65 Maximum discharge, 6,580 cfs Sept 18, 1957 (gage height, 14.93 ft), no flow for many days in 1955, 1957, 1963, river dry at gage June 13-16, 1955

Remarks --Records good except those prior to October 1964, which are fair. Pumpage above and below station for irrigation during dry seasons. Since Aug 27, 1963, low-head rock and concrete dam 0.6 mile downstream

Revisions (water years) --WSP 1204 Drainage area WSP 1504 1953

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	752	97	71	198	283	954	548	497	83	223	72	117
2	715	89	63	238	290	940	537	458	78	196	69	107
3	604	83	58	242	294	915	519	409	72	170	65	100
4	600	77	56	254	298	896	499	366	67	148	60	94
5	532	72	54	261	312	881	468	334	62	138	56	91
6	466	69	53	258	322	860	440	308	57	151	54	106
7	482	65	52	248	280	828	455	276	54	136	52	120
8	582	63	52	242	240	797	424	250	52	130	50	134
9	660	60	51	237	232	759	408	255	50	128	49	149
10	666	58	50	224	231	701	428	274	47	144	53	218
11	629	56	54	211	234	646	422	259	44	149	56	275
12	600	55	63	202	242	598	452	242	42	138	58	252
13	573	54	65	211	252	557	490	229	40	128	62	225
14	535	54	63	283	268	519	473	212	38	119	69	215
15	492	52	76	322	286	482	466	194	38	113	80	211
16	443	50	102	322	306	446	584	175	44	107	105	202
17	396	49	107	327	325	418	604	154	50	98	121	183
18	357	48	102	326	338	411	590	137	50	104	162	159
19	320	46	97	320	360	396	568	124	48	120	151	137
20	298	46	96	318	369	381	546	111	52	121	148	121
21	276	44	98	310	366	370	598	101	166	113	131	106
22	234	44	100	294	369	360	715	91	315	108	116	88
23	232	44	96	282	517	342	795	94	313	99	107	74
24	211	44	96	274	764	326	828	122	282	90	116	63
25	190	65	94	277	842	307	825	112	287	81	132	55
26	170	71	92	306	890	287	795	106	306	86	129	50
27	155	65	90	338	940	276	742	132	309	121	129	50
28	141	59	88	336	957	316	690	128	298	116	122	46
29	128	63	86	309	-----	415	622	109	277	100	111	43
30	116	82	88	287	-----	490	551	97	251	84	121	39
31	106	-----	100	283	-----	524	-----	90	-----	77	124	-----
TOTAL	12,747	1,824	2,415	8,540	11,407	17,398	17,082	6,446	3,872	3,836	2,930	3,830
MEAN	411	60.8	77.9	275	407	561	569	208	129	124	94.5	128
MAX	752	97	107	338	957	954	828	497	315	223	162	275
MIN	106	44	50	198	231	276	408	90	38	77	49	39
CFSM	555	108	110	337	555	755	765	285	117	117	113	117
IN.	6.3	69	112	443	57	87	85	32	19	19	15	19

CAL YR 1960 TOTAL 133,229

MEAN 503

MAX 3,560

MIN 25

CFSM .67

IN 9.16

WAT YR 1961 TOTAL 92,327

MEAN 253

MAX 3,957

MIN 38

CFSM .34

IN 4.60

## 2-3265 Aucilla River at Lamont, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	35	16	18	29	77	124	2,250	343	29	26	26	12
2	32	15	17	29	82	190	3,830	308	36	22	27	12
3	29	15	17	28	66	224	4,080	275	37	20	23	16
4	29	15	16	26	84	209	4,010	247	32	18	21	14
5	27	15	16	26	82	196	3,750	224	26	19	19	13
6	25	16	16	61	88	189	3,430	203	27	18	17	17
7	24	19	16	93	89	185	3,240	183	28	18	17	27
8	19	16	16	102	84	180	3,060	165	54	18	17	55
9	22	18	16	92	81	174	2,930	148	51	19	20	94
10	21	17	16	36	81	167	2,820	138	55	18	28	82
11	20	17	16	85	77	160	2,640	209	66	17	29	60
12	19	16	16	72	72	152	2,450	176	53	16	23	44
13	19	16	26	89	69	141	2,260	137	53	15	19	38
14	19	16	29	88	67	129	2,040	120	50	15	16	36
15	19	16	26	87	63	163	1,820	110	46	15	14	31
16	18	15	26	85	78	188	1,590	104	57	16	13	27
17	18	15	24	62	48	180	1,420	95	71	16	13	24
18	18	15	26	78	82	176	1,290	86	66	15	13	26
19	17	15	28	75	93	178	1,180	75	55	15	13	27
20	17	15	27	72	124	179	1,080	67	47	16	13	24
21	17	15	25	69	130	179	996	68	41	18	12	20
22	17	17	24	67	135	174	912	59	38	20	12	18
23	17	28	23	64	142	196	822	53	42	19	12	21
24	17	29	23	63	144	198	732	48	40	17	13	27
25	17	28	23	61	144	186	646	42	34	15	14	27
26	16	25	24	58	143	178	573	38	29	15	15	24
27	16	22	25	58	136	172	509	32	26	19	14	25
28	16	21	27	78	130	164	454	29	26	17	13	27
29	16	19	27	84	-----	156	415	28	29	18	13	27
30	16	18	26	80	-----	148	379	29	30	26	12	24
31	16	-----	25	78	-----	272	-----	29	-----	27	11	-----
TOTAL	631	543	682	2,160	2,747	5,507	57,608	3,808	1,274	563	522	919
MEAN	20.4	16.1	22.0	69.7	98.1	178	1,920	125	42.5	18.2	16.8	30.6
MAX	35	29	29	102	144	272	4,080	343	71	27	29	94
MIN	16	15	16	63	72	124	2,450	42	15	11	12	12
CFSM	.03	.02	.03	.09	.13	.24	2.57	.17	.06	.02	.02	.06
IN.	.03	.03	.03	.11	.14	.27	2.87	.19	.06	.03	.03	.05
CAL YR 1961	TOTAL 77,197	MEAN 211	MAX 957	MIN 15	CFSM .28	IN 3.86						
WAT YR 1962	TOTAL 77,024	MEAN 211	MAX 4,080	MIN 11	CFSM .28	IN 3.83						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	23	13	21	29	142	752	299	42	12	20	13	7.7
2	22	13	20	40	137	759	277	39	13	17	12	7.7
3	22	12	19	31	141	752	259	35	12	15	12	7.7
4	21	13	16	30	142	744	240	32	12	15	12	7.7
5	20	13	17	30	143	735	221	29	13	14	11	7.3
6	20	12	17	32	201	723	206	28	12	13	11	7.3
7	18	12	17	39	268	699	205	26	16	12	11	7.3
8	17	12	17	39	295	664	196	24	16	12	11	8.5
9	20	13	18	36	304	633	183	22	16	13	11	8.5
10	19	14	18	34	303	627	172	21	23	13	12	8.1
11	17	13	18	32	301	606	163	20	22	13	11	8.1
12	16	14	16	90	368	584	156	18	20	12	12	7.7
13	15	14	18	166	400	566	148	17	18	11	12	7.7
14	15	14	17	206	418	566	138	17	15	11	12	7.3
15	14	14	17	207	426	592	130	16	13	11	13	6.9
16	14	13	17	216	418	588	122	16	13	11	13	6.6
17	14	13	17	219	399	594	114	15	15	12	13	6.2
18	13	13	17	216	378	600	106	15	27	12	12	5.9
19	13	13	17	208	462	590	98	15	40	12	11	5.9
20	13	14	16	199	548	575	91	14	35	11	10	5.5
21	13	14	16	194	553	553	84	14	26	13	9.7	5.2
22	12	14	16	183	548	517	77	15	24	18	12	5.2
23	13	15	16	173	535	483	70	14	23	18	13	5.5
24	13	14	16	169	581	452	65	14	20	17	12	5.5
25	12	14	16	162	687	425	58	14	18	20	10	5.2
26	12	13	16	154	742	400	53	13	19	31	9.5	5.2
27	12	13	20	162	764	386	49	13	23	22	9.0	6.2
28	12	13	24	166	762	374	45	13	21	18	9.0	14
29	12	13	25	159	-----	355	42	12	19	17	8.5	34
30	12	18	26	153	-----	332	40	12	19	15	8.5	32
31	13	-----	28	146	-----	313	-----	12	-----	14	8.0	-----
TOTAL	482	403	573	3,910	11,366	17,539	4,103	607	575	463	344.2	263.6
MEAN	15.5	13.4	18.5	126	406	566	137	19.6	19.2	14.9	11.1	8.79
MAX	23	18	28	219	764	759	295	42	40	31	13	34
MIN	12	12	16	29	137	413	40	12	12	11	8.0	5.2
CFSM	.02	.02	.02	.17	.54	.76	.18	.03	.03	.02	.01	.01
IN.	.02	.02	.03	.19	.57	.87	.20	.03	.03	.02	.02	.01
CAL YR 1962	TOTAL 76,626	MEAN 210	MAX 4,080	MIN 11	CFSM .28	IN 3.81						
WAT YR 1963	TOTAL 40,628.8	MEAN 110	MAX 764	MIN 5.2	CFSM .15	IN 2.02						

## 2-3265 Aucilla River at Lamont, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	29	0	8.8	12	570	2,530	854	1,200	408	58	1,300	928
2	24	0	9.5	14	548	2,620	707	1,530	361	66	1,180	832
3	18	0	9.1	17	516	2,760	744	2,290	309	202	1,070	770
4	13	0	8.8	18	489	2,870	701	3,220	273	254	988	693
5	6.8	0	8.4	17	476	2,910	666	4,050	241	292	945	632
6	5.2	0	7.6	14	538	2,860	641	4,960	240	326	1,160	571
7	5.8	0	6.8	20	548	2,720	621	5,600	260	291	1,250	506
8	5.8	0	6.1	45	548	2,580	611	5,820	232	261	1,330	447
9	5.2	0	5.8	72	538	2,490	623	5,730	206	226	1,310	388
10	4.9	0	5.8	94	520	2,390	608	5,460	189	201	1,370	398
11	4.3	0	5.5	99	494	2,240	586	5,050	170	205	1,520	891
12	3.8	0	5.8	147	472	2,060	556	4,580	148	228	1,740	1,830
13	4.0	0	18	176	444	1,840	523	4,100	132	296	1,940	2,730
14	4.0	0	31	178	424	1,630	497	3,620	114	302	2,210	3,060
15	4.0	0	35	176	404	1,470	513	3,180	97	276	2,490	3,140
16	3.8	0	34	178	428	1,340	480	2,770	84	246	2,450	3,010
17	2.5	0	31	276	420	1,230	436	2,380	74	231	2,380	2,780
18	0	0	25	352	534	1,120	399	2,020	66	465	2,250	2,470
19	0	0	21	363	696	1,020	364	1,710	58	693	2,280	2,170
20	0	0	18	381	766	1,120	330	1,450	52	787	2,770	1,880
21	0	0	15	404	788	1,130	297	1,230	49	850	2,650	1,650
22	0	4.0	14	389	799	1,090	265	1,050	46	969	2,520	1,450
23	0	1.7	13	370	794	1,030	234	883	43	1,060	2,460	1,280
24	0	3.0	13	349	772	966	209	765	42	1,030	2,300	1,120
25	0	3.5	13	334	772	915	192	672	43	988	2,110	988
26	0	4.3	12	324	777	1,050	178	614	51	988	1,900	858
27	0	4.9	11	356	891	1,190	199	557	54	1,250	1,690	766
28	0	4.3	11	476	1,720	1,110	567	497	63	1,380	1,510	687
29	0	6.8	10	543	2,320	1,060	839	442	72	1,450	1,360	627
30	0	9.9	9.5	561	-----	995	1,020	397	62	1,480	1,210	571
31	0	-----	9.9	566	-----	919	-----	404	-----	1,420	1,060	-----
TOTAL	145.00	38.80	432.4	7,321	20,006	53,255	15,550	78,231	4,239	18,771	56,703	40,123
MEAN	4.68	1.29	13.9	236	690	1,718	518	2,524	141	606	1,765	1,337
MAX	29	9.9	35	566	2,320	2,910	1,020	5,820	408	1,480	2,770	3,140
MIN	0	0	5.5	12	404	915	178	397	42	58	945	388
CFSM	.006	.007	.02	.32	.92	2.30	.69	3.38	.19	.81	2.36	1.79
IN.	.007	.002	.02	.36	1.00	2.65	.77	1.89	.21	.93	2.72	2.00

CAL YR 1963 TOTAL 34,787.00 MEAN 109 MAX 764 MIN 0 CFSM .15 IN 1.98  
 MAT YR 1964. TOTAL 292,815.20 MEAN 800 MAX 5,820 MIN 0 CFSM 1.07 IN 14.58

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	519	624	258	1,310	629	1,900	2,330	5,130	255	2,240	998	317
2	474	579	251	1,250	613	2,300	2,190	5,100	223	2,010	1,010	310
3	454	535	282	1,160	745	5,200	2,070	5,040	200	1,840	998	348
4	490	490	950	1,090	799	5,470	1,980	4,860	228	1,680	963	387
5	541	447	2,470	1,020	805	6,000	1,890	4,610	198	1,510	907	391
6	549	408	3,800	972	816	5,900	1,870	4,310	188	1,390	876	371
7	549	368	4,330	926	877	5,700	1,750	3,990	161	1,310	852	341
8	542	334	4,560	884	919	5,400	1,680	3,660	203	1,340	858	296
9	524	303	5,150	846	964	5,090	1,590	3,330	270	1,330	882	261
10	493	285	5,500	805	996	4,770	1,500	3,010	220	1,330	876	225
11	458	263	5,450	761	1,000	4,440	1,400	2,700	252	1,330	864	203
12	423	241	5,230	725	1,010	4,120	1,310	2,420	273	1,400	858	180
13	386	222	4,940	696	1,120	3,820	1,220	2,150	252	1,680	888	169
14	428	211	4,700	660	1,310	3,530	1,120	1,930	246	1,710	963	157
15	642	198	4,400	633	1,500	3,260	1,030	1,720	840	1,710	1,080	153
16	779	187	4,050	606	1,650	3,010	956	1,540	2,120	1,770	1,100	145
17	948	176	3,700	575	1,730	2,810	876	1,380	2,740	1,900	1,070	143
18	1,070	165	3,400	552	1,910	2,690	804	1,240	3,200	2,030	998	190
19	1,100	154	3,130	525	2,180	2,640	756	1,100	3,330	2,020	928	228
20	1,070	147	2,880	498	2,340	2,650	870	998	3,350	1,860	858	208
21	1,020	152	2,660	476	2,350	2,600	900	894	3,460	1,710	810	193
22	980	163	2,460	456	2,350	2,490	894	804	3,610	1,570	774	178
23	947	167	2,280	440	2,300	2,420	882	720	3,630	1,450	720	165
24	921	172	2,120	480	2,200	2,390	858	655	3,480	1,310	680	157
25	898	215	1,960	512	2,050	2,440	846	580	3,300	1,190	640	151
26	876	227	1,820	539	1,950	2,530	984	507	3,300	1,100	585	139
27	849	226	1,770	570	1,850	2,730	1,380	444	3,030	1,060	534	135
28	809	237	1,670	579	1,850	2,730	2,720	399	2,980	1,010	476	231
29	768	262	1,570	575	-----	2,680	4,110	363	2,850	977	419	341
30	721	266	1,480	575	-----	2,560	4,890	327	2,550	1,060	375	395
31	675	-----	1,400	588	-----	2,430	-----	285	-----	1,010	341	-----
TOTAL	21,903	8,420	90,619	22,264	40,883	109,100	47,606	66,246	50,769	46,837	25,181	7,108
MEAN	707	281	2,923	718	1,460	3,519	1,587	2,137	1,692	1,511	812	237
MAX	1,100	624	5,500	1,310	2,350	6,000	4,890	5,150	3,630	2,240	1,100	395
MIN	386	167	251	440	629	1,900	756	285	161	977	341	135
CFSM	.495	.38	3.91	.96	1.95	4.71	2.12	2.86	2.27	2.02	1.09	.32
IN.	1.09	.42	4.51	1.11	2.04	5.43	2.47	3.30	2.53	2.33	1.25	.35

CAL YR 1964 TOTAL 413,141 MEAN 1,129 MAX 5,820 MIN 12 CFSM 1.51 IN 20.57  
 MAT YR 1965. TOTAL 536,936 MEAN 1,771 MAX 6,000 MIN 135 CFSM 1.97 IN 26.73

## 2-3269 St Marks River near Newport, Fla

Location --Lat 30°16'00", long 84°09'00", near center of sec 32, T 2 S, R 2 E, on left bank  
0.9 mile downstream from Rhodes Springs, 6 miles north of Newport, Wakulla County, and 11 miles  
upstream from Wakulla River

Drainage area --535 sq mi (revised), approximately Includes drainage for Lake Miscoosukee  
(290 sq mi), which contributes to St Marks River at high stages

Records available --October 1956 to September 1965

Gage --Digital water-stage recorder Datum of gage is 3.53 ft above mean sea level, datum of 1929  
Prior to June 17, 1965, graphic water-stage recorder at same site and datum

Average discharge --9 years, 736 cfs (532,800 acre-ft per year)

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following  
table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 1, 1961	2,580	8.52	June 16, 1961	375	a 4.52
1962	Apr 3, 1962	1,980	7.71	June 21, 1962	325	b 4.39
1963	Sept 29, 1963	1,010	c 6.03	June 17, 1963	345	d 4.36
1964	July 20, 1964	3,250	9.47	Apr 25, 1964	310	e 4.45
1965	June 17, 1965	2,900	8.61	Nov 18, 1964	805	e 4.57

a Occurred Dec 9-11, 1960

b Occurred Dec 8, 9, 1961

c Occurred June 30, 1963

d Occurred Nov 27, 28, 1962

e Occurred Dec 10, 11, 1963

1956-65 Maximum discharge, 4,010 cfs Sept 18, 1957 (gage height, 10.01 ft), minimum,  
310 cfs Apr 25, 1964, minimum gage height, 4.20 ft Mar 17, 1957

Remarks --Records poor

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,730	735	625	630	655	865	590	575	430	525	560	2,550
2	1,570	725	615	635	650	825	595	580	425	515	525	2,380
3	1,410	715	610	645	645	800	600	575	420	515	520	2,080
4	1,290	705	605	660	640	785	605	570	420	515	515	1,800
5	1,180	695	600	655	635	780	595	565	415	520	510	1,580
6	1,120	685	595	645	630	770	585	555	420	515	505	1,450
7	1,140	675	590	630	660	755	590	550	420	515	495	1,360
8	1,220	665	585	625	675	740	585	545	420	520	490	1,280
9	1,200	660	580	620	670	725	585	555	415	540	495	1,240
10	1,160	650	580	615	675	705	590	555	410	575	495	1,200
11	1,140	650	595	610	675	690	585	545	410	580	505	1,160
12	1,100	645	600	610	665	675	595	545	400	575	500	1,140
13	1,050	645	595	620	655	665	600	550	390	580	490	1,120
14	1,010	640	595	635	645	660	605	545	385	575	500	1,100
15	975	635	615	640	640	650	630	530	380	570	500	1,060
16	935	630	625	635	635	640	670	520	410	565	530	1,030
17	910	625	620	640	630	630	675	505	435	565	530	990
18	890	620	620	640	630	650	655	495	415	575	510	950
19	895	620	620	635	645	655	650	485	400	600	505	910
20	915	620	620	630	655	660	640	480	415	590	505	880
21	915	620	615	620	660	665	625	480	615	585	540	850
22	900	615	610	615	670	665	615	480	660	600	600	820
23	890	615	605	605	770	650	605	475	605	600	640	785
24	870	615	600	610	855	635	595	465	600	590	655	755
25	850	615	595	620	935	620	590	460	620	575	650	725
26	825	615	595	630	1,050	600	585	480	605	575	745	700
27	810	630	590	640	1,010	590	585	470	565	585	805	690
28	795	635	590	640	925	580	585	460	555	575	790	675
29	780	640	585	655	-----	575	580	455	540	570	775	655
30	760	635	585	670	-----	570	575	445	535	560	1,260	635
31	755	-----	600	665	-----	575	-----	440	-----	550	2,330	-----
TOTAL	31,990	19,475	18,660	19,625	19,885	21,050	18,165	15,935	14,135	17,395	19,955	34,550
MEAN	1,032	649	602	633	710	679	606	514	471	561	644	1,152
MAX	1,730	735	625	670	1,050	865	675	580	660	600	2,330	2,550
MIN	755	615	580	605	630	570	575	440	380	515	490	635
AC-FT	63,450	38,630	37,010	38,930	39,440	41,750	36,030	31,610	28,040	34,900	39,580	68,530

CAL YR 1960- TOTAL 289,705

MEAN 792

MAX 2,180

MIN 465

AC-FT 574,600

WAT YR 1961 TOTAL 250,620

MEAN 687

MAX 2,550

MIN 380

AC-FT 497,500

2-3269 St Marks River near Newport, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	620	420	425	440	405	445	1,740	665	440	370	465	460
2	605	420	430	440	400	460	1,610	655	430	370	500	450
3	590	415	430	430	390	470	1,920	645	425	375	500	440
4	575	415	435	430	390	470	1,870	635	415	375	525	430
5	565	410	435	430	390	470	1,620	625	400	375	520	425
6	550	415	440	440	390	460	1,450	615	385	375	505	420
7	540	410	440	445	385	455	1,380	605	375	365	500	425
8	530	410	440	445	380	450	1,320	600	370	370	515	465
9	525	405	440	435	380	450	1,240	590	370	365	535	525
10	515	400	445	435	380	455	1,200	580	370	360	535	610
11	505	400	445	435	375	460	1,160	570	360	365	535	665
12	500	400	455	430	370	460	1,110	555	360	365	540	685
13	495	400	470	425	370	450	1,040	545	365	365	540	660
14	490	400	465	420	370	445	990	540	360	365	535	635
15	480	405	465	425	370	465	950	530	360	365	535	620
16	475	405	460	420	385	475	910	520	355	365	535	610
17	470	400	465	415	385	470	885	515	345	365	540	610
18	465	400	480	415	390	470	855	505	345	370	535	610
19	465	400	475	415	395	470	830	505	340	385	530	610
20	460	400	470	415	400	470	805	500	340	385	525	605
21	455	400	470	415	405	475	775	500	335	390	525	585
22	450	405	465	415	420	470	760	500	345	400	520	575
23	445	425	460	420	435	480	745	495	365	405	515	595
24	440	420	455	415	450	480	730	490	355	405	515	655
25	440	420	450	415	450	485	715	485	350	415	515	770
26	435	420	445	415	445	480	705	480	350	420	520	1,010
27	435	420	445	415	445	475	695	475	360	425	515	1,100
28	430	420	440	420	445	470	690	470	370	430	505	1,020
29	425	420	440	420	-----	470	685	465	365	435	495	915
30	425	425	435	415	-----	465	675	465	370	440	485	850
31	425	-----	430	410	-----	719	-----	450	-----	460	470	-----
TOTAL	15,225	12,305	13,945	13,160	11,200	14,639	32,060	16,765	11,075	12,030	16,030	19,035
MEAN	491	410	450	425	400	474	1,069	541	369	388	517	635
MAX	620	425	480	465	430	719	1,920	665	440	460	540	1,100
MIN	425	400	425	410	370	445	675	450	335	360	465	420
AC-FT	30,200	24,410	27,660	26,100	22,210	29,140	63,590	33,250	21,970	23,860	31,800	37,760
CAL YR 1961	TOTAL	222,170	MEAN	609	MAX	2,550	MIN	380	AC-FT	440,700		
WAT YR 1962	TOTAL	187,519	MEAN	514	MAX	1,920	MIN	335	AC-FT	371,900		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	810	420	470	540	540	810	495	415	375	865	560	620
2	790	415	470	540	540	795	485	405	370	780	555	570
3	765	420	475	535	540	765	480	410	365	725	560	540
4	740	415	485	530	535	750	470	405	370	710	560	525
5	725	415	485	530	535	750	460	405	370	700	540	520
6	705	405	485	545	575	745	460	400	365	680	535	515
7	680	410	480	560	590	725	460	395	365	660	525	490
8	665	410	500	560	590	710	450	395	365	655	495	480
9	675	425	505	550	580	705	455	390	365	660	470	465
10	660	415	505	555	595	705	455	395	365	655	465	450
11	620	410	500	560	595	700	450	400	355	640	450	435
12	595	420	490	665	660	690	440	405	355	625	440	430
13	575	415	490	745	650	680	435	400	360	610	485	425
14	555	410	485	785	635	675	430	405	360	600	540	415
15	535	405	485	885	630	670	420	415	355	600	680	410
16	515	410	485	875	620	665	415	410	355	590	610	405
17	490	410	490	770	605	660	415	410	360	590	630	405
18	475	420	485	690	590	650	415	415	375	585	685	405
19	470	415	490	640	670	640	410	410	380	565	660	400
20	460	415	490	625	675	630	410	405	385	555	685	395
21	460	425	490	610	670	610	410	400	375	545	665	395
22	455	420	490	590	665	595	410	400	405	550	655	415
23	450	420	490	585	670	580	410	400	405	535	635	405
24	440	415	490	570	755	565	405	395	410	645	610	395
25	435	415	490	570	805	555	405	395	430	655	590	400
26	425	415	505	565	795	550	405	395	510	615	585	395
27	425	415	525	570	800	540	405	395	620	595	585	400
28	420	415	540	555	820	525	400	395	715	595	580	515
29	415	430	550	550	-----	515	405	395	825	590	585	945
30	425	460	545	545	-----	505	425	390	900	570	570	755
31	425	-----	540	540	-----	500	-----	380	-----	570	615	-----
TOTAL	17,280	12,510	15,405	18,935	17,925	20,160	12,990	12,430	12,910	19,515	17,800	14,320
MEAN	557	417	497	611	640	650	433	401	430	630	574	477
MAX	810	460	885	885	820	810	495	415	900	865	685	945
MIN	415	405	470	530	535	500	400	380	355	535	440	395
AC-FT	34,270	24,810	30,560	37,560	35,550	39,990	25,770	24,650	25,610	38,710	35,310	28,400
CAL YR 1962	TOTAL	191,239	MEAN	524	MAX	1,920	MIN	335	AC-FT	379,300		
WAT YR 1963	TOTAL	192,180	MEAN	527	MAX	945	MIN	355	AC-FT	381,200		



## 2-3269 St Marks River near Newport, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	675	420	365	405	640	1,490	715	1,450	620	550	1,260	1,020
2	660	410	365	400	620	1,470	685	1,510	610	575	1,200	1,000
3	655	405	370	395	610	1,330	665	1,420	600	590	1,150	985
4	625	400	360	390	600	1,200	640	1,320	585	585	1,110	955
5	595	405	355	385	615	1,100	620	1,270	575	590	1,080	930
6	560	405	350	395	645	1,020	605	1,230	610	580	1,120	905
7	545	400	350	445	635	975	585	1,160	610	570	1,160	875
8	530	395	350	700	630	940	595	1,100	600	570	1,160	840
9	525	395	350	800	625	920	580	1,050	595	570	1,160	810
10	515	400	350	810	610	905	565	1,020	610	590	1,160	825
11	505	400	345	825	600	865	545	990	620	630	1,240	1,120
12	500	395	355	1,110	585	850	525	975	605	660	1,280	1,240
13	490	385	405	1,130	575	825	500	970	585	650	1,400	1,380
14	480	380	415	1,030	570	810	480	955	565	630	1,620	1,440
15	475	375	400	990	565	800	470	940	555	615	1,680	1,360
16	470	375	390	965	570	795	450	915	540	610	1,670	1,260
17	465	375	395	1,120	550	785	425	885	530	620	1,520	1,160
18	455	375	400	1,060	765	770	405	850	525	2,230	1,600	1,080
19	455	395	370	980	795	770	380	825	515	3,030	1,610	1,020
20	450	370	390	975	765	875	360	805	510	3,210	1,580	965
21	445	370	385	940	800	855	345	785	505	3,050	1,540	925
22	440	370	385	885	855	830	340	765	500	2,710	1,480	895
23	435	375	400	820	810	845	325	740	500	2,430	1,460	860
24	435	395	395	775	740	850	320	720	505	2,170	1,450	835
25	435	375	395	745	710	815	325	700	500	1,950	1,400	800
26	435	375	390	715	675	820	320	690	515	1,790	1,300	775
27	430	380	390	690	885	825	380	680	530	1,760	1,220	745
28	430	390	385	695	1,290	815	400	670	545	1,640	1,150	725
29	425	405	380	670	1,300	780	1,080	665	570	1,520	1,110	700
30	415	380	375	660	-----	765	1,200	645	545	1,420	1,080	685
31	415	-----	390	650	-----	740	-----	630	-----	1,340	1,040	-----
TOTAL	15,370	11,635	11,725	23,555	20,635	28,435	16,430	29,330	16,800	40,435	40,990	29,115
MEAN	496	368	378	760	712	917	568	946	560	1,304	1,322	971
MAX	675	420	415	1,130	1,300	1,490	1,200	1,510	620	3,210	1,680	1,440
MIN	415	370	345	385	550	740	320	630	500	550	1,040	685
AC-FT	30,490	23,080	23,260	46,720	40,930	56,400	32,590	58,180	33,320	80,200	81,300	57,750
CAL YR 1963	TOTAL 185,715			MEAN 509		MAX 945	MIN 345	AC-FT 368,400				
WAT YR 1964	TOTAL 284,455			MEAN 777		MAX 3,210	MIN 320	AC-FT 564,200				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	670	685	640	995	890	1,100	1,120	2,560	1,040	1,360	1,260	790
2	660	680	635	970	900	2,000	1,110	2,450	1,020	1,390	1,290	780
3	665	670	685	945	900	2,270	1,090	2,290	1,000	1,470	1,300	765
4	735	665	1,360	925	890	2,470	1,080	2,090	990	1,390	1,290	760
5	770	660	2,040	910	880	2,300	1,060	1,960	970	1,350	1,270	775
6	725	655	2,530	900	895	2,150	1,050	1,880	955	1,440	1,260	785
7	720	650	2,590	890	935	2,050	1,030	1,800	935	1,420	1,230	780
8	720	645	2,370	880	935	1,890	1,020	1,730	920	1,400	1,200	755
9	715	640	2,150	870	965	1,720	1,000	1,660	935	1,390	1,160	740
10	695	635	1,910	865	985	1,610	990	1,600	955	1,400	1,120	730
11	660	635	1,670	860	970	1,510	975	1,540	1,070	1,400	1,100	715
12	670	630	1,490	860	960	1,460	965	1,480	1,090	1,380	1,160	700
13	660	630	1,410	855	1,000	1,420	955	1,430	1,060	1,420	1,260	690
14	705	625	1,460	855	1,060	1,380	945	1,380	1,080	1,500	1,280	690
15	835	620	1,580	855	1,100	1,350	935	1,340	1,550	1,560	1,310	685
16	855	620	1,720	850	1,120	1,310	920	1,300	2,180	1,590	1,280	685
17	910	615	1,710	845	1,130	1,280	910	1,260	2,680	1,540	1,200	705
18	980	610	1,670	835	1,120	1,290	900	1,240	2,720	1,470	1,130	705
19	955	610	1,580	830	1,110	1,300	895	1,210	2,520	1,440	1,090	700
20	885	610	1,500	825	1,090	1,300	930	1,190	2,270	1,380	1,060	685
21	840	615	1,410	820	1,080	1,300	950	1,180	2,040	1,320	1,020	680
22	815	610	1,320	820	1,080	1,300	980	1,160	1,830	1,280	995	670
23	795	610	1,270	825	1,060	1,260	1,010	1,140	1,700	1,250	975	660
24	770	620	1,220	870	1,080	1,240	990	1,130	1,620	1,210	950	655
25	760	645	1,170	885	1,100	1,220	960	1,120	1,560	1,180	925	660
26	750	645	1,140	920	1,100	1,210	950	1,100	1,530	1,200	905	655
27	745	640	1,120	985	1,100	1,220	985	1,080	1,500	1,300	880	650
28	730	645	1,080	960	1,100	1,200	1,260	1,100	1,450	1,340	860	700
29	720	650	1,060	925	-----	1,180	1,880	1,120	1,410	1,320	845	745
30	705	650	1,060	910	-----	1,160	2,440	1,100	1,380	1,350	825	760
31	695	-----	1,020	895	-----	1,140	-----	1,070	-----	1,300	805	-----
TOTAL	23,530	19,120	45,570	27,430	28,535	46,590	32,295	45,690	43,960	42,740	34,235	21,455
MEAN	759	637	1,470	885	1,019	1,503	1,077	1,474	1,465	1,379	1,104	715
MAX	980	685	2,590	995	1,130	2,470	2,440	2,560	2,720	1,590	1,310	790
MIN	660	610	635	820	880	1,100	895	1,070	920	1,180	805	650
AC-FT	46,670	37,920	90,390	54,410	56,600	92,410	64,060	90,620	87,190	84,770	67,900	42,560
CAL YR 1964	TOTAL 333,945			MEAN 912		MAX 3,210	MIN 320	AC-FT 662,400				
WAT YR 1965	TOTAL 411,150			MEAN 1,126		MAX 3,270	MIN 610	AC-FT 815,500				

## 2-3270 Wakulla Spring near Crawfordville, Fla

Location (revised) --Lat 30°14'05", long 84°18'05", in SE $\frac{1}{4}$  sec 11, T 3 S, R 1 W, near right bank on boat dock at head of spring, 6 miles northeast of Crawfordville, Wakulla County, and 14 miles south of Tallahassee

Records available --1907, 1917, 1929, 1930 (a single measurement in each year), February 1931 to June 1932, July 1941 to September 1965 (discharge measurements only)

Gage (corrected) --Since Aug 12, 1930, staff gage read only when discharge measurements are made. Datum of gage is 4.20 ft above mean sea level, datum of 1929, July 17, 1931, to July 27, 1932, water-stage recorder at same site and datum. Sept 10, 1941, to Mar 12, 1953, auxiliary reference points or staff gage at McBrides Slough at different datums and since Mar 12, 1953, auxiliary staff gage at McBrides Slough, at datum 5.56 ft above mean sea level, datum of 1929.

Extremes --1931-32, 1941-65 Maximum discharge measured, 1,730 cfs Oct 8, 1957 (gage height, 5.32 ft), minimum measured, 25.2 cfs June 18, 1931, minimum gage height observed, 1.05 ft Apr 14, 1932

1941-65 (McBrides Slough) Maximum discharge measured, 291 cfs Oct 8, 1957, no flow observed May 4, June 14, 1954, and May 16, 1955  
1953-65 (McBrides Slough) Maximum gage height observed, 3.40 ft Oct 8, 1957, minimum observed, 0.31 ft May 16, 1955

Remarks --Discharge measurements of Wakulla River made at bridge 3 miles below spring, discharge measurements of inflow made at two culverts near head of spring and at McBrides Slough,  $\frac{1}{2}$  miles below spring. The discharge of spring is the difference between that of river and the combined inflow at head of spring and at slough. Prior to 1941, discharge measurements of inflow not made. Slight tide effect at station.

Discharge measurements, in cubic feet per second, water years 1961-65

Date	Wakulla River	McBrides Slough and other surface inflow	Difference or spring flow
Water year 1961			
Oct 3, 1960	1,370	250	1,120
Nov 28	362	28.8	333
Jan 16, 1961	375	25.4	350
Mar 13	432	27.4	405
May 8	290	4.7	285
June 26	576	45.6	530
Aug 30	551	14.0	517
Water year 1962			
Oct 16, 1961	353	7.7	345
Dec 4	564	10.7	553
Jan 29, 1962	318	8.3	310
Mar 21	480	12.5	468
May 16	325	9.7	315
July 11	246	2.4	244
Aug 29	347	5.9	341
Water year 1963			
Oct 17, 1962	435	5.4	430
Dec 11	405	9.3	395
Jan 29, 1963	396	26.8	369
Mar 27	415	18.0	397
May 14	233	2.3	231
June 25	352	7.2	345
Aug 13	420	17.8	402
Sept 26	142	5.1	137
Water year 1964			
Oct 30, 1963	351	10.7	340
Dec 17	144	2.7	141
Feb 12, 1964	371	20.9	350
Apr 8	370	22.4	348
June 2	300	13.2	287
July 29	1,210	206	1,000
Sept 14	1,060	170	890
Water year 1965			
Nov 4, 1964	422	28.2	394
Dec 3	343	20.3	323
6	1,720	231	1,490
Jan 21, 1965	376	33.6	342
Mar 3	1,280	239	1,050
Apr 22	482	43.5	439
June 8	328	17.2	311
July 27	759	82.0	657
Aug 31	455	67.5	387

## 2-3271 Sopchoppy River near Sopchoppy, Fla

Location --Lat 20°07'45", long 84°29'40", on line between secs 13 and 24, T 4 S, R 3 W, near left bank on downstream side of bridge on U S Forest Road 346A, 4 7 miles north of Sopchoppy, Wakulla County, and 5 2 miles upstream from Duval Branch

Drainage area --97 9 sq mi (revised)

Records available --Annual maximums, water years 1961-64 June 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level, datum of 1929 Jan 27, 1961, to June 3, 1964, crest-stage gage at same site at datum 9 63 ft higher

Extremes --Annual maximums for the water years 1961-65 and minimum discharges for the period June 1964 to September 1965 are contained in the following table

Water year	Date	Maximum		Minimum		
		Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Sept 1, 1961	1 820	15 10	-	-	-
1962	Apr 1, 1962	2,980	19 90	-	-	-
1963	Nov 30, 1962	1,590	13 91	-	-	-
1964	Mar 1, 1964	2,730	19 01	June 1, 1964	5 2	a 8 41
1965	Dec 5, 1964	4,880	33 78	June 6, 7, 1965	2 6	b 7 94

a Estimated

b Occurred June 4, 5, 1965

1961-65 Maximum discharge, 4,880 cfs Dec 5, 1964 (gage height, 33 78 ft), from rating curve extended above 2,700 cfs by velocity-area study

1964-65 Minimum discharge, 2 6 cfs June 1, 1964, minimum gage height, 7 94 ft June 4, 5, 1965

Remarks --Records fair except those above 2,700 cfs and those for periods of no gage-height record, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1964

DAY	UCT.	NUV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1									5.2	62	425	50
2						* 1,600			5.4	52	383	38
3									5.4	90	302	54
4									5.4	160	231	98
5									5.6	190	220	112
6									117	160	275	130
7	* 150								101	104	505	104
8									60	67	620	76
9									44	52	566	54
10									34	89	485	50
11									43	92	502	928
12									44	78	506	1,490
13									35	88	532	2,050
14				* 1,050					27	87	596	1,860
15									20	64	490	1,320
16									15	51	393	921
17									12	51	314	641
18									9.8	1,450	307	474
19									8.0	2,260	396	355
20									7.2	2,100	512	258
21									6.8	1,480	596	189
22									8.0	1,080	640	124
23									7.6	1,090	671	87
24									7.2	1,200	661	62
25									26	955	537	47
26									29	714	412	36
27									41	759	307	29
28							* 5 1		112	815	217	24
29							*1,320		117	808	150	20
30									76	632	101	18
31									-----	495	70	-----
TOTAL									1,034.6	17,375	12,922	11,699
MEAN									34.5	560	417	390
MAX									117	2,260	671	2,050
MIN									5.2	51	70	18
CFSM									.35	5.73	4.26	3.98
IN.									.39	6.60	4.91	4.44

\* Result of discharge measurement

## 2-3271 Sopchoppy River near Sopchoppy, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	16	26	106	200	285	399	115	404	2.9	253	543	32
2	16	22	88	170	255	1,490	97	305	2.9	220	740	31
3	17	20	118	140	228	2,530	81	220	2.8	200	913	24
4	85	18	2,140	120	196	2,460	67	155	2.8	210	939	20
5	420	16	4,720	100	163	1,780	56	106	7.0	231	812	19
6	446	15	4,380	87	250	1,170	46	74	2.7	264	767	14
7	367	14	3,020	75	662	794	39	53	4.0	286	723	12
8	307	13	1,880	66	751	588	32	39	4.1	308	669	9.8
9	240	12	1,250	58	744	459	26	29	3.5	308	578	8.6
10	174	11	869	53	645	365	22	22	30	297	578	7.6
11	128	10	660	56	527	294	19	17	341	297	652	7.0
12	92	10	528	51	432	234	16	14	473	418	646	6.2
13	74	9.8	594	45	540	188	13	12	473	638	594	6.0
14	167	9.5	770	42	901	157	11	9.5	451	561	548	5.6
15	894	9.0	671	39	1,180	132	9.5	7.8	550	473	539	5.4
16	1,240	9.6	561	36	1,170	108	8.2	6.6	924	418	473	6.0
17	1,330	8.4	473	34	946	90	7.0	5.6	1,360	418	394	6.4
18	1,110	8.2	385	32	735	114	6.4	5.0	2,130	407	315	5.4
19	792	8.0	308	30	603	205	6.6	4.6	1,860	385	243	5.0
20	572	9.2	264	28	504	251	22	4.4	1,240	363	209	4.7
21	429	12	231	26	421	254	42	4.1	814	385	175	4.4
22	328	14	200	25	351	227	54	3.8	574	528	155	4.2
23	243	13	170	24	288	193	56	3.6	429	506	130	4.1
24	177	24	151	110	243	164	49	3.5	352	440	104	4.1
25	128	82	134	253	310	140	41	3.4	319	330	73	4.1
26	95	145	126	337	484	122	48	3.3	429	220	51	4.0
27	74	165	151	364	535	171	150	3.3	759	156	38	4.7
28	58	162	242	341	463	194	495	3.2	627	120	29	79
29	46	148	330	317	-----	180	664	3.1	473	96	23	222
30	38	129	392	295	-----	157	536	3.0	330	216	20	390
31	32	-----	264	312	-----	132	-----	2.9	-----	428	19	-----
TOTAL	10,155	1,151.7	26,136	3,866	14,812	15,762	2,834.7	1,530.7	14,970.7	10,380	12,692	956.3
MEAN	328	30.4	843	125	529	508	94.5	49.4	499	335	409	31.9
MAX	1,330	165	4,720	364	1,180	2,530	664	404	2,130	638	939	390
MIN	16	8.0	86	24	163	90	6.4	2.9	2.7	96	19	4.0
CFSM	3.35	.39	8.61	1.27	5.40	5.19	.97	.50	5.10	3.42	4.18	.33
IN.	3.86	.44	9.93	1.47	5.63	5.98	1.08	.58	5.69	3.94	4.82	.36

CAL YR 1964 TOTAL MEAN MAX MIN CFSM IN  
WAT YR 1965 TOTAL 115,227.1 MEAN 316 MAX 4,720 MIN 2.7 CFSM 3.22 IN 43.77

Note --No gage-height record Dec 6 to Jan 4, June 23 to July 26

## 2-3275 Ochlockonee River near Thomasville, Ga

Location --Lat 30°52', long 84°03', on downstream side of left bank pier of bridge on U S Highway 84, 2 miles upstream from Atlantic Coast Line Railroad bridge, 4 miles upstream from Barnett's Creek, 5 miles northwest of Thomasville, Thomas County and 6 miles downstream from Little Ochlockonee River

Drainage area --550 sq mi, approximately

Records available --August 1937 to September 1965

Gage --Digital water-stage recorder Datum of gage is 133.6 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Jan 7, 1947, wire-weight gage, and Jan 7, 1947, to May 18, 1965, graphic water-stage recorder at same site and datum

Average discharge --28 years, 513 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 17, 1961	19,200	20.8	Sept 29, 30, 1961	18	-
1962	Apr 3, 1962	4,980	15.5	Oct 31, 1961	7.0	-
1963	Jan 23, 1963	5,140	15.6	Sept 24-26, 1963	12	-
1964	May 3, 1964	14,800	18.8	Nov 19, 1963	11	-
1965	Dec 5, 1964	19,000	20.4	Sept 13, 1965	26	-

a From floodmark

1937-65 Maximum discharge, 72,000 cfs Apr 2, 1948 (gage height, 29.1 ft. from floodmark), from rating curve extended above 25,000 cfs by logarithmic plotting, minimum observed, 2.6 cfs Oct 17, 18, 1938

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

Revisions (water years) --WSP 1112 1937, 1939, 1945(M)

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,330	74	39	178	444	760	660	420	1,180	860	32	91
2	978	67	37	218	392	660	800	500	780	700	31	96
3	720	65	37	223	368	594	820	600	486	458	30	124
4	530	62	35	198	380	562	720	500	344	344	28	102
5	404	58	34	156	380	486	562	420	238	320	29	80
6	332	55	33	128	356	430	472	360	169	296	26	74
7	320	51	35	115	356	392	430	300	133	284	28	68
8	356	48	37	106	416	368	430	240	110	233	27	62
9	380	48	37	115	458	344	430	200	94	243	31	70
10	404	46	36	115	430	320	546	500	84	248	32	88
11	380	44	37	115	392	296	500	800	76	260	32	78
12	344	42	52	102	344	260	1,130	1,500	90	278	30	65
13	296	39	67	102	308	228	2,860	1,300	84	260	26	60
14	238	39	70	146	284	213	3,080	1,200	94	248	24	52
15	193	38	75	198	260	198	3,520	900	76	213	84	48
16	160	39	85	243	223	183	9,470	700	90	198	458	42
17	133	39	95	233	198	169	16,800	550	115	156	530	37
18	120	39	90	193	183	492	9,310	440	138	120	356	35
19	106	39	80	164	344	1,980	6,030	340	146	106	218	32
20	124	30	73	160	610	2,440	4,280	260	160	88	160	30
21	174	34	74	160	700	2,490	2,930	200	254	84	138	28
22	254	34	75	164	700	2,390	2,010	160	530	72	142	26
23	296	35	70	151	740	2,130	1,450	100	594	61	120	26
24	218	36	65	142	1,180	1,800	978	124	546	63	102	23
25	160	36	60	138	1,330	1,510	720	160	458	73	89	20
26	124	39	55	220	1,360	1,150	560	284	416	62	110	20
27	106	44	54	486	1,240	840	400	546	404	52	138	20
28	93	44	54	578	1,000	660	480	780	578	45	128	19
29	85	43	56	610	-----	578	500	1,180	860	41	124	18
30	75	42	66	578	-----	562	440	1,630	952	37	106	18
31	67	-----	98	500	-----	530	-----	1,600	-----	34	91	-----
TOTAL	9,500	1,355	1,811	6,935	15,376	26,015	73,318	18,794	10,279	6,537	3,500	1,552
MEAN	306	45.2	58.4	224	549	839	2,444	606	343	211	113	51.7
MAX	1,330	74	98	610	1,360	2,490	16,800	1,630	1,180	860	530	124
MIN	67	34	33	102	183	169	400	100	76	34	24	18
CFSM	+36	+08	+11	+41	1.00	1.53	4.44	1.10	+62	+38	+31	+09
IN.	+64	09	-12	-47	1.04	1.76	4.96	1.27	+70	+44	-24	+10

CAL YR 1960. TOTAL 225,900 MEAN 617 MAX 9,540 MIN 26 CFSM 1.12 IN 15.27  
WAT YR 1961 TOTAL 174,972 MEAN 479 MAX 16,800 MIN 18 CFSM .87 IN 11.83

Note --No gage-height record Apr 26 to May 23

2-3275 Ochlockonee River near Thomasville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	17	3.7	15	76	272	562	3,340	102	21	25	43	30
2	14		15	72	248	562	4,820	88	17	23	41	77
3	14	10	14	96	223	760	4,820	77	15	22	29	46
4	14	11	13	98	203	860	4,160	66	14	24	31	27
5	14	10	13	92	193	860	3,320	61	21	26	26	26
6	14	4.5	14	98	198	800	2,600	54	21	25	29	24
7	15	12	16	120	109	720	2,090	50	17	25	20	29
8	13	14	16	146	142	642	1,730	46	16	21	20	42
9	12	12	15	156	124	562	1,480	43	17	21	18	48
10	11	13	14	151	120	500	1,270	40	20	19	16	44
11	11	14	12	133	115	438	1,090	36	38	17	14	55
12	11	12	13	115	115	430	904	34	48	15	13	57
13	11	9.8	54	106	115	404	840	31	77	14	12	52
14	12	8.9	66	96	110	360	800	28	90	16	11	54
15	12	10	79	87	106	416	780	34	128	14	12	44
16	9.8	11	76	84	133	720	720	39	77	12	29	33
17	8.5	12	69	82	178	928	610	35	52	12	18	28
18	8.5	12	146	81	223	1,030	514	31	48	12	14	28
19	8.9	12	183	81	344	1,060	472	28	48	27	12	32
20	9.6	11	178	78	626	1,000	430	26	46	20	14	27
21	10	10	156	72	743	820	392	24	41	35	12	22
22	9.6	11	133	67	760	626	332	24	36	22	18	20
23	8.3	15	102	69	740	594	266	23	36	18	17	32
24	8.1	20	76	73	740	500	223	22	33	16	58	32
25	8.5	20	62	74	820	472	188	21	27	14	69	27
26	8.7	20	56	74	882	472	164	19	27	12	151	34
27	7.2	14	54	76	900	458	146	17	26	12	128	128
28	10	16	55	110	660	458	124	15	25	12	83	290
29	10	16	58	133	444	120	15	34	11	56	308	308
30	8.5	16	76	254	406	106	19	31	30	42	203	203
31	7.4	-----	76	266	-----	596	-----	18	-----	51	34	-----
TOTAL	338.6	388.9	1,927	3,386	10,104	19,498	38,855	1,168	1,147	623	1,090	1,899
MEAN	10.9	13.0	62.2	109	361	629	1,295	37.7	38.2	20.1	35.2	63.3
MAX	17	25	183	266	982	1,060	4,820	102	128	51	151	308
MIN	7.6	8.5	12	67	106	360	106	15	14	11	11	20
CFSM	.02	.02	.11	.20	.66	1.14	2.35	.07	.07	.04	.06	.12
IN.	.02	.03	.13	.23	.68	1.37	2.63	.08	.08	.04	.07	.13
CAL YR 1961 TOTAL	164,960.5			MEAN 452		MAX 16,800	MIN 7.4	CFSM .82	IN 11.15			
WAT YR 1962 TOTAL	304,924.5			MEAN 220		MAX 4,820	MIN 7.4	CFSM .40	IN 5.44			

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	126	25	333	360	784	1,150	420	151	420	321	185	54
2	141	24	497	321	762	1,120	375	420	465	298	149	41
3	309	23	568	298	806	1,180	321	514	435	276	112	33
4	435	22	497	248	898	1,180	287	420	270	208	90	29
5	360	21	390	212	978	1,090	248	309	153	149	78	28
6	260	20	265	194	1,180	950	227	309	120	112	70	43
7	173	20	217	194	1,450	874	375	243	84	93	63	32
8	126	20	198	203	1,570	806	532	165	73	84	62	26
9	106	35	227	217	1,570	740	586	123	81	87	66	22
10	87	38	287	212	1,450	660	586	96	56	102	66	20
11	93	32	309	194	1,240	604	532	81	66	123	58	20
12	123	38	276	360	1,150	550	465	68	66	208	66	20
13	116	45	222	700	1,180	550	405	60	53	248	106	20
14	87	50	190	924	1,150	740	346	61	45	203	84	21
15	73	46	169	1,060	1,060	1,300	276	161	40	141	73	18
16	63	44	153	1,030	924	1,980	222	84	35	120	107	16
17	56	43	145	850	762	2,790	185	60	31	120	378	15
18	50	42	145	660	660	2,930	161	53	34	181	568	15
19	45	40	145	622	660	2,390	141	48	82	254	481	15
20	41	35	141	930	784	1,840	123	44	93	321	346	15
21	36	35	134	2,050	850	1,390	109	45	52	375	238	15
22	32	52	130	3,940	806	1,010	99	62	41	465	161	14
23	32	51	123	4,980	700	784	90	106	46	420	123	13
24	30	78	120	3,920	680	622	84	109	132	635	93	12
25	28	90	116	2,930	898	532	76	84	173	514	76	12
26	28	90	134	2,340	1,060	465	70	66	270	514	66	12
27	31	80	187	1,940	1,180	550	66	56	405	481	58	13
28	30	45	450	1,570	1,210	568	50	420	497	24	60	24
29	25	78	497	1,240	-----	532	54	48	465	532	50	276
30	25	161	497	978	-----	514	52	84	420	435	44	346
31	26	-----	420	828	-----	465	-----	264	-----	298	44	-----
TOTAL	5,193	1,455	8,282	36,511	28,402	32,856	7,573	4,444	5,126	8,615	4,218	1,240
MEAN	10.3	48.5	267	1,178	1,014	1,063	252	163	171	278	136	41.3
MAX	435	161	568	4,980	1,570	2,930	586	514	465	532	568	346
MIN	25	20	116	194	660	465	52	44	31	84	44	12
CFSM	.19	.09	.49	2.14	1.84	1.93	.46	.26	.31	.51	.25	.08
IN.	.22	.10	.56	2.47	1.92	2.22	.51	.30	.35	.58	.29	.08
CAL YR 1962 TOTAL	90,700			MEAN 248		MAX 4,820	MIN 11	CFSM .45	IN 6.13			
WAT YR 1963 TOTAL	141,915			MEAN 389		MAX 4,980	MIN 12	CFSM .71	IN 9.60			

## 2-3275 Ochlockonee River near Thomasville, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	420	16	66	381	840	7,350	1,530	2,600	72	660	3,840	357
2	540	18	70	495	780	5,130	1,120	4,520	78	680	3,240	298
3	555	17	78	540	720	4,500	860	17,000	104	760	2,360	260
4	450	14	77	585	680	6,350	680	12,700	89	1,020	1,680	250
5	287	14	71	600	640	8,850	570	8,850	79	1,530	1,090	321
6	187	17	66	600	820	7,100	525	5,980	114	1,840	740	255
7	143	18	61	660	1,040	5,040	495	3,840	345	1,720	620	195
8	1.6	18	55	760	1,260	3,720	465	2,660	345	1,320	660	175
9	104	17	52	1,200	1,500	2,860	540	1,800	255	820	660	155
10	83	15	47	1,840	1,760	2,180	760	1,230	179	450	740	143
11	69	13	47	2,760	1,880	1,720	860	860	126	345	940	230
12	60	13	52	4,410	1,720	1,410	965	620	101	309	1,040	435
13	51	14	126	4,950	1,440	1,170	1,020	510	122	357	1,040	800
14	42	15	245	5,400	1,170	1,020	900	420	89	495	1,060	1,090
15	38	16	298	5,220	990	880	900	369	69	525	1,090	1,320
16	36	16	357	4,080	900	860	920	333	60	465	1,120	1,410
17	34	15	393	3,520	840	880	900	287	55	405	1,020	1,200
18	32	12	405	3,420	1,300	880	800	255	58	465	920	940
19	30	12	381	3,840	2,790	920	640	225	55	1,140	920	740
20	26	14	321	3,920	4,000	990	555	203	51	1,880	880	555
21	22	15	260	3,420	4,590	1,020	480	179	134	2,300	880	420
22	20	16	207	2,790	3,720	965	420	171	126	2,660	1,320	345
23	19	17	179	2,440	2,930	840	357	159	92	2,600	1,600	276
24	20	32	163	1,840	2,240	720	298	136	70	2,240	1,720	240
25	20	34	155	1,530	1,720	640	255	122	160	1,800	1,680	212
26	20	54	151	1,290	1,530	920	225	113	116	1,550	1,500	191
27	18	60	147	1,140	1,600	2,360	490	107	92	1,120	1,120	171
28	16	59	143	1,060	4,100	4,080	2,040	98	191	1,380	800	159
29	14	72	140	1,020	7,350	3,720	2,860	92	357	2,080	570	151
30	15	71	132	965	-----	2,790	4,720	83	540	3,240	465	143
31	16	-----	171	880	-----	2,040	-----	77	-----	3,520	405	-----
TOTAL	3,514	736	5,116	67,356	56,850	83,905	26,170	61,599	4,324	41,556	37,720	13,437
MEAN	113	24.5	165	2,173	1,960	2,707	877	1,987	144	1,341	1,217	448
MAX	555	72	405	5,400	7,350	8,850	2,860	12,700	540	3,520	3,840	1,410
MIN	14	12	47	381	640	640	225	77	51	309	405	143
CFSM	2.21	.04	.30	3.95	3.56	4.92	1.59	3.61	.76	2.44	2.21	.81
IN.	2.24	.05	.35	4.95	3.84	5.67	1.77	4.17	.29	2.81	2.55	.91
CAL YR 1963	TOTAL	138,351	MEAN	379	MAX	4,980	MIN	12	CFSM	.69	IN	9.36
WAT YR 1964	TOTAL	402,283	MEAN	1,099	MAX	12,700	MIN	12	CFSM	2.00	IN	27.20

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	141	340	451	2,620	1,700	2,270	4,640	1,520	36	885	156	37
2	141	318	429	1,900	1,420	3,570	3,400	1,000	35	831	146	40
3	224	300	396	1,420	1,260	5,600	2,480	704	35	720	136	46
4	352	282	3,020	1,110	1,460	6,780	1,900	526	35	543	132	47
5	580	264	15,100	950	1,000	5,920	1,520	429	35	446	110	50
6	686	250	16,000	820	1,000	4,760	1,200	363	31	417	92	45
7	740	238	9,250	722	2,760	3,700	1,020	318	29	406	92	38
8	704	224	6,090	668	3,700	2,760	880	270	34	371	132	35
9	597	212	4,400	597	4,520	2,080	780	224	41	455	264	32
10	500	205	3,140	565	4,040	1,600	704	188	64	556	270	34
11	440	194	2,410	552	3,300	1,300	632	161	94	515	396	32
12	374	188	1,800	539	2,980	1,110	565	146	182	478	396	30
13	318	183	1,650	539	5,750	1,020	487	128	304	615	330	27
14	318	178	2,550	526	7,140	1,050	440	110	409	736	352	29
15	1,470	172	3,800	500	8,100	1,080	407	96	1,070	821	363	28
16	3,300	172	4,160	487	7,140	1,110	374	84	4,030	867	341	28
17	4,520	172	3,220	474	6,090	1,140	341	73	7,640	833	282	31
18	4,520	178	2,270	474	5,300	1,260	306	64	7,910	731	238	47
19	3,600	172	1,650	462	5,000	1,750	294	63	6,640	632	218	40
20	2,760	200	1,230	491	4,760	3,120	513	57	4,890	481	183	35
21	2,020	306	1,020	440	4,160	4,400	668	55	3,510	430	183	34
22	1,380	363	950	429	3,400	4,640	704	51	2,300	666	136	32
23	950	374	900	429	2,620	4,280	650	46	1,420	513	96	32
24	722	352	900	940	2,080	3,400	565	43	896	363	73	38
25	565	385	925	1,900	2,480	2,620	513	42	617	276	73	39
26	487	462	925	2,980	3,060	1,960	738	40	806	212	70	40
27	429	513	1,140	3,600	3,140	1,600	2,340	40	2,240	178	53	53
28	487	1,600	3,300	2,830	2,830	1,850	3,300	39	2,910	161	50	96
29	365	462	2,200	2,760	-----	2,800	2,980	38	2,050	178	44	156
30	363	451	2,900	2,140	-----	4,400	2,270	39	1,190	188	40	212
31	341	-----	3,140	2,020	-----	5,400	-----	37	-----	194	37	-----
TOTAL	34,334	8,587	99,616	37,314	101,870	90,330	37,611	6,994	51,483	15,698	5,488	1,463
MEAN	1,108	286	3,213	1,204	3,288	2,914	1,254	226	1,716	506	177	48.8
MAX	4,520	513	16,000	3,600	8,100	6,780	4,640	1,520	7,910	885	396	212
MIN	141	172	396	429	1,000	1,020	294	37	29	161	37	27
CFSM	2.01	.52	5.84	2.19	6.61	5.30	2.28	.41	3.12	.92	.32	.09
IN.	2.32	.58	6.74	2.52	6.89	6.11	2.54	.47	3.48	1.06	.37	.10
CAL YR 1964	TOTAL	535,454	MEAN	1,463	MAX	16,000	MIN	51	CFSM	2.66	IN	36.21
WAT YR 1965	TOTAL	490,788	MEAN	1,345	MAX	16,000	MIN	27	CFSM	2.44	IN	33.19

## 2-3280 Tired Creek near Cairo, Ga

Location --Lat 30°54', long 84°16', on left bank 140 ft upstream from highway bridge, a quarter of a mile downstream from Wolf Creek, 1 mile downstream from Atlantic Coast Line Railroad bridge, and 3 miles west of Cairo, Grady County

Drainage area --60 sq mi, approximately

Records available --July 1943 to September 1965

Gage --Digital water-stage recorder Datum of gage is 159 0 ft above mean sea level, datum of 1929, supplementary adjustment of 1936 Prior to Oct 1, 1962, graphic water-stage recorder at same site and datum

Average discharge --22 years, 72 7 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,800 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Apr 13, 1961	0200	* 1,620	7 28	Feb 28, 1964	0500	2,560	8 37	Oct 15, 1964	0700	2,680	8 15
Mar 31, 1962	2400	* 5,390	9 6	Mar 23, 1964	1700	2,450	8 38	Dec 4, 1964	1300	* 18,200	b14 6
				Mar 26, 1964	2000	5,660	8 53	Dec 27, 1964	1300	1,370	7 68
				Apr 27, 1964	2200	2,900	8 21	Mar 2, 1965	1400	3,450	8 58
Jan 21, 1963	0200	* 2,280	7 80	May 2, 1964	2000	* 12,400	a12 6	June 15, 1965	1600	2,740	8 18

a From floodmark inside gage house, 15 0 ft from floodmark outside well  
b From floodmark inside gage house, 15 0 ft from floodmark outside well

Annual minimum discharge, water years 1961-65					
Water year	Date	Discharge	Water year	Date	Discharge
1961	Aug 2, 1961	3 1	1964	Oct 29, 30, 1963	2 2
1962	May 28, 1962	1 6	1965	June 3 1965	9 7
1963	Sept 26, 1963	2 6			

1943-65 Maximum discharge, 28,100 cfs Apr 1, 1948 (gage height, 16 3 ft, from floodmark), from rating curve extended above 6,100 cfs on basis of slope-area measurement of peak flow, minimum, 0 1 cfs June 10, 1955

Remarks --Records good except those for period of indefinite stage-discharge relation, which are fair

Revisions (water years) --WSP 1052 1944 WSP 1624 Drainage area

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	150	43	23	92	52	77	117	36	14	12	3 7	55
2	100	32	22	67	48	75	97	67	12	9 0	3 3	29
3	79	27	22	42	74	61	58	58	11	7 6	34	20
4	67	24	23	32	85	55	49	37	11	14	40	15
5	61	24	23	29	58	52	42	28	9 5	14	34	12
6	76	23	23	29	50	49	39	25	7 4	10	46	11
7	294	22	23	28	98	46	52	23	6 5	15	27	11
8	242	22	23	33	114	46	44	21	6 0	33	20	26
9	117	22	23	43	69	49	37	56	5 9	47	18	18
10	77	23	22	32	55	40	37	135	6 5	35	15	21
11	61	23	34	29	49	35	36	81	6 0	39	51	14
12	95	24	56	28	46	33	621	60	5 1	23	20	11
13	50	25	37	39	43	33	987	43	4 5	18	12	10
14	44	26	28	104	42	35	230	31	4 6	19	20	9 5
15	42	25	33	82	40	31	227	26	11	18	130	10
16	38	24	44	50	38	29	1,000	22	39	12	60	10
17	35	24	33	37	36	29	476	18	44	10	22	8 1
18	33	24	28	32	38	381	182	16	28	11	15	6 2
19	34	25	26	31	210	844	94	15	17	10	12	5 4
20	94	24	25	40	185	437	71	13	16	12	11	5 9
21	115	24	28	36	89	560	62	12	46	9 5	9 7	5 9
22	62	23	28	30	61	245	55	11	60	7 8	11	5 3
23	44	23	25	30	215	117	49	11	27	9 8	10	4 9
24	38	29	24	31	333	79	44	28	16	9 5	15	4 7
25	33	28	25	40	179	66	40	36	12	6 1	24	4 3
26	30	28	25	139	102	61	36	43	21	7 4	23	9 4
27	29	26	25	265	69	56	45	92	36	12	26	22
28	28	26	27	117	62	66	87	78	28	9 0	18	8 4
29	25	26	26	87	69	87	29	20	20	6 4	13	6 8
30	26	25	42	81	-----	77	42	21	15	5 3	29	5 0
31	28	-----	67	60	-----	79	-----	17	-----	4 2	85	-----
TOTAL	2,189	763	913	1,815	2,540	3,930	5,025	1,189	546 0	455 6	857 7	384 8
MEAN	70 6	25 4	29 5	58 5	90 7	127	168	38 4	18 2	14 7	27 7	12 8
MAX	294	43	67	265	333	844	1,000	135	60	47	130	55
MIN	26	22	22	28	36	29	36	11	4 5	4 2	3 3	4 3
CFSM	1 18	4 42	4 9	9 8	1 51	2 11	2 79	6 4	3 0	2 4	4 6	2 1
IN.	1 36	4 7	5 7	1 12	1 57	2 44	3 11	7 4	3 4	2 8	5 3	2 4
CAL YR 1960	TOTAL 40,930 1	MEAN 112	MAX 1,710	MIN 5 6	CFSM 1 86	IN 25 37						
WAT YR 1961	TOTAL 20,608 1	MEAN 56 5	MAX 1,000	MIN 3 3	CFSM 9 94	IN 12 77						



## 2-3280 Tired Creek near Cairo, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5.1	3.9	10	39	30	33	2,680	22	3.8	4.7	22	3.8
2	4.0	3.5	10	43	28	99	681	17	4.3	3.4	20	5.3
3	4.2	4.7	10	31	29	262	265	15	4.6	2.8	12	98
4	4.2	3.9	11	26	26	150	156	12	3.3	5.0	40	38
5	4.3	4.2	10	25	27	69	106	12	8.1	24	71	30
6	4.3	4.6	10	29	27	50	94	11	5.3	29	24	17
7	4.3	19	15	37	20	46	133	8.0	5.1	19	12	17
8	4.5	22	14	34	24	40	454	7.4	4.4	92	13	32
9	4.0	11	11	33	24	38	294	7.2	13	166	20	20
10	4.3	8.2	11	28	31	38	136	6.6	44	93	11	14
11	3.3	7.5	25	26	32	38	85	6.4	20	32	6.8	12
12	3.5	7.2	36	24	26	40	92	5.4	37	14	5.1	9.0
13	3.4	6.9	178	24	24	38	167	5.3	66	9.5	4.2	8.4
14	3.5	7.2	161	23	23	30	97	5.1	38	7.5	3.7	7.5
15	3.5	7.8	54	24	22	102	66	4.6	23	7.0	3.3	48
16	3.2	9.0	46	28	60	210	55	4.1	29	5.2	2.9	38
17	3.2	7.3	40	25	74	103	49	4.0	17.6	6.0	2.6	16
18	3.3	7.4	94	21	81	50	46	3.9	8.6	15	2.8	17
19	3.3	7.2	106	23	1.5	42	43	3.5	6.2	17	3.4	78
20	3.4	5.8	56	23	294	38	39	3.3	6.3	21	3.1	33
21	3.2	6.6	33	22	113	38	34	3.3	16	176	2.7	14
22	3.3	6.6	28	23	60	36	29	2.8	13	45	5.4	10
23	3.3	27	27	23	48	46	27	2.6	8.4	15	8.9	24
24	3.4	56	26	23	54	54	25	2.3	6.5	9.8	14	35
25	3.5	27	24	21	60	40	24	2.2	5.2	8.4	17	20
26	3.6	10	23	23	49	46	23	2.0	4.5	18	13	17
27	3.4	13	23	28	42	40	29	2.0	3.9	13	10	38
28	3.2	12	32	129	37	32	26	1.7	3.4	9.4	8.9	39
29	3.3	11	40	103	-----	28	28	1.7	3.9	7.8	6.9	20
30	3.8	10	29	60	-----	26	28	1.7	8.7	22	5.4	14
31	3.9	-----	26	36	-----	1,190	-----	1.8	-----	38	4.4	-----
TOTAL	116.6	343.0	1,219	1,061	1,528	3,090	6,011	187.9	420.5	935.5	379.5	773.0
MEAN	3.76	11.4	39.3	34.2	54.5	99.7	200	6.06	14.0	30.2	12.2	25.8
MAX	5.1	56	178	294	294	1,190	2,680	22	66	176	71	98
MIN	3.2	3.5	10	22	22	20	23	1.7	3.3	2.8	2.6	3.8
CFSM	.06	.19	.66	.57	.91	1.66	3.34	.10	.23	.50	.20	.43
IN.	.07	.21	.76	.66	.95	1.92	3.73	.12	.26	.58	.24	.48
CAL YR 1961	TOTAL 13,421.7	MEAN 50.5	MAX 1,000	MIN 3.2	CFSM .84	IN 11.42						
WAT YR 1962	TOTAL 16,005.0	MEAN 44.0	MAX 2,680	MIN 1.7	CFSM .73	IN 9.96						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14	7.7	198	34	62	76	33	113	23	13	14	18
2	26	7.0	93	30	73	142	30	65	14	11	12	12
3	26	7.3	40	29	97	109	29	22	9.2	11	9.8	7.8
4	20	8.8	28	28	105	73	27	17	6.8	9.5	9.1	6.6
5	20	9.3	26	27	79	65	26	13	6.2	8.6	8.1	6.5
6	16	8.5	27	36	131	85	35	11	6.5	5.2	7.5	6.5
7	13	8.2	24	45	160	90	160	11	6.3	4.4	13	7.6
8	12	8.8	28	35	101	64	107	8.9	9.4	9.8	12	6.8
9	17	20	51	29	63	54	52	8.8	10	60	10	5.1
10	15	27	34	28	60	56	36	8.7	9.5	104	52	4.2
11	11	15	26	29	68	54	31	7.0	7.1	48	16	4.1
12	9.8	12	25	264	206	53	29	6.8	8.7	19	42	3.9
13	9.2	13	23	312	144	116	28	6.1	7.6	13	19	3.4
14	9.0	11	22	126	83	392	24	13	5.4	10	15	3.2
15	8.3	9.9	23	60	64	433	21	14	4.3	11	10	3.2
16	8.1	9.2	24	49	58	217	19	10	3.6	10	9.0	3.3
17	6.0	9.3	25	43	56	111	18	8.1	4.0	74	7.6	3.7
18	7.5	9.5	23	57	53	83	16	6.0	7.0	64	9.3	4.0
19	7.1	10	22	140	165	71	16	6.8	20	47	8.8	4.2
20	6.7	12	21	860	204	69	15	9.0	13	28	24	4.1
21	7.0	15	21	1,590	105	61	15	22	8.1	30	14	3.7
22	7.8	52	21	568	65	52	14	15	20	44	9.7	6.2
23	9.1	36	21	236	55	48	13	23	18	21	7.9	5.6
24	7.7	18	20	144	142	47	11	13	14	35	9.0	4.0
25	6.3	15	21	101	228	46	9.8	12	15	125	7.2	3.0
26	6.3	14	95	89	128	49	9.6	11	24	63	5.4	2.7
27	6.1	13	128	91	94	90	9.1	7.8	44	26	8.2	3.4
28	6.3	13	75	80	70	83	8.7	6.8	25	26	64	31
29	6.4	18	55	70	-----	52	8.4	24	21	19	88	477
30	7.1	113	76	67	-----	42	11	106	17	15	29	414
31	7.7	-----	44	83	-----	37	-----	90	-----	17	27	-----
TOTAL	341.5	541.5	1,360	5,380	2,944	3,020	861.6	695.8	387.7	981.4	577.6	1,068.8
MEAN	11.0	18.1	43.9	174	105	97.4	28.7	22.4	12.9	31.7	18.6	35.6
MAX	26	118	198	1,590	228	433	160	113	64	125	88	477
MIN	6.1	7.0	20	27	53	37	8.4	6.0	3.6	4.3	5.4	2.7
CFSM	.18	.30	.73	2.89	1.75	1.62	.48	.37	.22	.53	.31	.59
IN.	.21	.34	.84	3.33	1.82	1.87	.53	.43	.24	.61	.36	.66
CAL YR 1962	TOTAL 16,629.4	MEAN 45.6	MAX 2,680	MIN 1.7	CFSM .76	IN 10.31						
WAT YR 1963	TOTAL 18,159.9	MEAN 49.8	MAX 1,590	MIN 2.7	CFSM .83	IN 11.26						

Note --Indefinite stage-discharge relation May 6 to Sept 30

2-3280 Tired Creek near Cairo, Ga --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	79	3.5	25	245	75	236	89	142	17	18	104	39
2	29	5.0	20	173	69	173	82	4,190	29	22	80	34
3	20	7.4	19	84	64	1,260	79	1,410	21	16	55	32
4	17	7.1	19	54	62	1,230	81	405	15	20	107	29
5	15	6.8	17	71	90	530	78	229	12	26	728	26
6	12	7.8	17	69	290	318	73	151	20	17	629	26
7	11	6.6	16	118	210	212	69	110	64	11	404	23
8	10	7.8	17	185	204	161	68	95	38	7.7	138	22
9	8.9	7.1	21	746	172	150	75	85	20	7.1	88	20
10	8.0	7.7	19	734	114	137	85	77	15	10	76	21
11	6.4	9.4	17	248	81	124	59	71	13	31	203	146
12	5.0	9.2	21	686	73	105	50	65	11	60	130	383
13	4.8	7.7	150	716	66	95	47	60	10	73	106	523
14	4.5	9.4	395	240	79	87	97	57	9.6	77	130	210
15	4.2	7.5	129	142	81	100	299	49	8.6	53	69	95
16	4.0	8.4	69	116	83	160	178	45	8.0	21	51	63
17	3.9	9.4	43	337	76	121	72	42	7.7	16	96	52
18	3.5	11	36	454	385	89	51	39	7.1	191	770	47
19	3.1	10	32	240	572	76	45	36	6.0	315	848	44
20	3.5	10	30	147	210	516	40	32	6.1	139	386	41
21	4.2	9.5	29	116	120	449	36	30	16	163	192	36
22	3.6	9.2	28	97	99	163	33	28	32	895	196	35
23	3.1	17	28	92	93	91	31	25	18	220	259	32
24	3.5	55	30	88	81	83	35	23	15	110	251	31
25	4.2	37	28	97	111	87	36	23	36	82	136	27
26	4.7	24	26	118	142	1,510	30	21	33	59	79	23
27	4.6	21	26	95	410	1,120	874	19	23	67	60	24
28	3.8	21	26	95	1,580	365	1,420	17	15	264	53	25
29	4.7	41	25	83	500	189	622	16	12	309	65	24
30	2.3	40	23	73	-----	119	266	14	12	606	56	24
31	2.7	-----	79	73	-----	95	-----	15	-----	245	46	-----
TOTAL	292.2	435.5	1,466	6,832	6,152	10,151	5,170	7,621	550.1	4,150.8	6,591	2,157
MEAN	9.4	14.5	47.3	220	212	327	172	246	18.3	134	213	71.9
MAX	79	55	395	746	1,580	1,510	1,420	4,190	64	895	848	523
MIN	2.3	3.5	16	54	62	76	30	14	6.0	7.1	46	20
CFSM	.16	.24	.79	3.67	3.54	5.46	2.87	4.10	.31	2.23	3.54	1.26
IN-	.18	.27	.91	4.23	3.81	6.29	3.20	4.72	.34	2.57	4.09	1.34

CAL YR 1963: TOTAL 18,110.6 MEAN 49.6 MAX 1,590 MIN 2.3 CFSM .83 IN 11.23  
 MAY YR 1964: TOTAL 51,568.6 MEAN 141 MAX 4,190 MIN 2.3 CFSM 2.35 IN 31.96

Note --Indefinite stage-discharge relation Oct 1 to May 1

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	23	49	47	147	188	160	218	76	11	62	43	16
2	51	48	45	132	184	2,200	156	67	10	70	45	17
3	196	48	51	156	201	799	121	60	10	61	32	16
4	228	47	7,090	143	407	112	55	11	60	63	33	18
5	245	45	1,660	119	113	290	108	51	14	65	100	18
6	129	43	415	110	286	212	95	48	15	99	58	15
7	66	42	273	105	902	175	84	44	34	109	36	13
8	48	42	202	102	404	160	41	58	101	33	11	9
9	43	42	164	98	269	149	72	37	43	137	33	10
10	39	41	143	95	200	140	69	35	24	179	36	12
11	35	39	132	100	158	146	64	33	175	237	30	25
12	32	39	143	95	261	145	60	30	408	120	26	20
13	30	39	412	85	1,030	160	54	27	167	216	34	15
14	262	41	628	83	1,110	166	48	24	121	318	30	14
15	2,020	40	263	83	718	140	45	23	1,560	194	60	16
16	745	40	174	82	315	118	46	21	882	105	144	15
17	515	39	147	78	484	110	43	20	1,140	69	127	14
18	176	38	143	74	614	288	40	19	564	58	41	13
19	116	36	126	73	351	523	67	17	214	46	37	20
20	98	64	116	72	228	637	209	16	130	42	207	14
21	84	102	113	71	177	390	222	15	93	41	61	12
22	78	116	116	71	159	186	92	15	75	38	36	12
23	74	46	116	124	144	144	62	14	66	33	29	16
24	69	50	126	1,230	220	140	53	14	60	30	23	20
25	62	125	122	486	526	132	86	13	84	28	20	61
26	60	129	136	224	292	123	501	12	201	29	18	33
27	59	74	1,010	181	168	300	834	19	315	35	17	20
28	57	58	583	135	144	445	366	23	110	45	19	63
29	55	61	254	114	-----	340	158	17	73	33	34	124
30	53	55	196	187	-----	195	93	16	61	29	21	66
31	51	-----	160	344	-----	167	-----	13	-----	43	18	-----
TOTAL	5,579	1,633	15,306	5,176	9,989	9,687	4,255	915	6,729	2,732	1,481	739
MEAN	180	54.4	494	167	357	312	142	29.5	224	88.1	47.8	24.6
MAX	2,020	129	7,090	1,230	1,110	2,200	834	76	1,560	318	207	124
MIN	23	36	45	71	113	110	40	12	10	28	17	10
CFSM	3.00	.91	8.23	2.78	5.95	5.21	2.36	.49	3.74	1.47	.80	.41
IN-	3.46	1.01	9.49	3.21	6.19	6.00	2.64	.57	4.17	1.69	.92	.46

CAL YR 1964: TOTAL 71,892.9 MEAN 196 MAX 7,090 MIN 6.0 CFSM 3.27 IN 44.56  
 MAY YR 1965: TOTAL 64,221 MEAN 176 MAX 7,090 MIN 10 CFSM 2.93 IN 39.81

## 2-3290 Ochlockonee River near Havana, Fla

Location (revised) --Lat 30°33'14" long 84°23'03", in SE<sup>1</sup> sec 24 T 2 N R 2 W near left bank on downstream side of bridge on U S Highway 27 three-quarters of a mile upstream from Seaboard Air Line Railroad bridge, 4 miles downstream from Mill Creek and 5 miles southeast of Havana, Gadsden County

Drainage area --1,140 sq mi (revised), approximately Area at site used prior to January 1929, 1,220 sq mi (revised), approximately

Records available --June 1926 to September 1965 Published as "at Ochlockonee" June 1926 to December 1929 Records published for both sites December 1928 to December 1929

Gage --Wire-weight gage read once daily Datum of gage is 59 36 ft above mean sea level, unadjusted Prior to Jan 1, 1930, staff gage at site about 10 miles downstream at datum 9 36 ft lower Dec 12, 1928, to Aug 11, 1934, chain gage and Aug 12, 1934, to Nov 17, 1963, wire-weight gage, at site 100 ft upstream at present datum

Average discharge --39 years, 1,015 cfs

Extremes --Maximum and minimum discharges for the water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 19, 1961	16,000	30 20	Sept 28, 1961	125	11 76
1962	Apr 5, 1962	7,380	27 25	Nov 5, 1961	51	11 03
1963	Jan 27, 1963	5,520	26 01	Sept 27, 1963	53	11 04
1964	May 5, 1964	17,400	30 11	Nov 18, 1963	61	11 12
1965	Dec 7, 1964	19,600	30 64	Sept 24, 1965	137	11 97

1926-65 Maximum discharge, 55,900 cfs Apr 4, 1948 (gage height, 35 08 ft), minimum, 17 cfs Oct 23-28, Nov 1, 1954, minimum gage height, 10 81 ft Oct 24-28 Nov 1, 1954  
Maximum stage known, 35 08 ft (discharge, 55,900 cfs) Apr 4, 1948

Remarks --Records good Records of chemical analyses for the water years 1962, 1965 and of water temperatures for the water year 1965 are published in reports of the Geological Survey

Revisions (water years) --WSP 822 1929(M) WSP 1504 1928

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	5,690	401	219	539	1,120	1,940	1,660	1,630	1,140	1,090	168	1,700
2	4,860	389	209	611	1,050	1,910	1,490	1,490	1,230	1,120	153	1,330
3	4,130	396	200	644	972	1,830	1,420	1,360	1,320	1,160	151	936
4	3,440	377	191	611	910	1,720	1,390	1,260	1,340	1,140	205	647
5	2,860	352	188	546	890	1,560	1,380	1,200	1,200	1,010	168	520
6	2,420	324	187	486	886	1,410	1,370	1,140	894	852	192	518
7	2,170	300	187	432	906	1,260	1,340	1,070	626	771	178	595
8	1,950	279	186	394	936	1,130	1,210	994	478	699	188	478
9	1,750	266	184	393	990	1,020	1,070	908	396	809	214	432
10	1,660	257	184	393	1,030	926	1,280	978	377	1,170	201	459
11	1,580	252	192	398	1,010	862	1,160	1,000	317	1,410	177	699
12	1,450	248	217	374	940	798	1,200	1,130	295	1,590	245	615
13	1,310	244	232	352	868	740	1,810	1,220	256	1,690	266	481
14	1,150	243	295	401	791	692	2,460	1,250	246	1,500	219	430
15	1,010	241	300	503	726	647	3,860	1,260	230	1,150	193	356
16	896	239	349	597	681	609	5,280	1,220	218	816	188	322
17	813	234	354	604	647	573	5,900	1,100	240	692	330	276
18	734	227	364	566	606	653	8,400	924	338	671	377	744
19	667	223	340	525	834	1,290	15,400	764	428	784	490	215
20	669	214	319	493	1,070	1,620	13,900	645	391	725	490	197
21	694	209	306	459	1,160	1,900	10,300	546	450	590	408	183
22	699	206	306	445	1,290	2,230	7,980	474	629	536	472	171
23	755	201	309	423	1,390	2,750	6,310	418	748	550	351	159
24	764	202	309	404	1,690	3,230	4,980	386	840	440	308	147
25	728	230	285	401	1,700	3,460	3,990	388	858	384	301	137
26	665	257	268	459	1,760	3,240	3,220	513	822	319	348	130
27	586	252	252	721	1,840	2,890	2,680	651	761	279	410	144
28	525	244	241	924	1,900	2,550	2,260	862	793	248	401	125
29	479	236	235	1,040	-----	2,290	1,980	1,030	984	222	411	146
30	438	230	239	1,130	-----	2,070	1,780	1,120	1,110	201	1,200	136
31	410	-----	308	1,140	-----	1,830	-----	1,110	-----	183	1,940	-----
TOTAL	47,972	7,973	7,955	17,407	30,613	51,630	118,460	30,041	19,955	24,801	11,343	12,928
MEAN	1,547	266	257	562	1,093	1,665	3,949	969	665	800	366	431
MAX	5,690	401	364	1,140	1,900	3,460	15,400	1,630	1,340	1,690	1,940	1,700
MIN	410	201	184	352	606	573	1,070	386	218	183	151	125
CFSM	1.36	.23	.23	.49	.84	1.46	3.46	.85	.58	.70	.32	.38
IN.	1.56	.26	.26	.57	1.00	1.68	3.86	.98	.65	.81	.37	.42

CAL YR 1960 TOTAL 479,366  
WAT YR 1961 TOTAL 381,078

MEAN 1,310  
MEAN 1,044

MAX 12,800  
MAX 15,400

MIN 143  
MIN 125

CFSM 1.15  
CFSM .92

IN 15.64  
IN 12.43

2-3290 Ochlockonee River near Havana, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	115	52	96	234	508	1,070	2,080	394	78	84	105	116
2	105	52	109	259	484	1,100	2,350	367	87	95	174	102
3	99	52	98	280	452	1,210	4,060	330	83	102	230	99
4	95	52	84	282	423	1,240	6,990	296	85	91	208	104
5	90	51	81	268	393	1,320	7,290	266	78	102	174	124
6	88	53	79	274	374	1,350	6,700	241	75	125	159	151
7	85	58	79	295	359	1,350	5,860	224	77	151	180	130
8	82	65	77	328	348	1,320	5,120	206	87	163	174	128
9	80	69	76	359	333	1,230	4,160	191	102	156	252	125
10	79	73	79	365	311	1,120	3,600	175	93	180	175	119
11	77	75	87	359	300	1,010	3,190	165	88	235	131	128
12	75	70	109	334	295	928	2,480	172	102	222	115	127
13	74	67	193	309	293	866	2,630	172	143	172	101	127
14	70	67	246	284	274	813	2,320	153	157	134	92	125
15	67	65	343	273	260	702	2,100	157	226	110	84	108
16	66	66	357	263	249	956	1,920	142	240	102	77	104
17	66	64	319	256	410	994	1,730	136	228	97	75	108
18	64	61	317	249	503	1,120	1,540	128	202	92	75	121
19	62	60	432	245	566	1,700	1,370	127	169	91	80	115
20	62	60	564	239	719	1,250	1,210	116	140	101	83	102
21	54	61	563	232	844	1,200	1,040	116	124	109	74	114
22	57	61	466	231	960	1,290	908	110	118	108	73	137
23	57	72	384	227	1,060	1,770	811	106	122	156	93	136
24	57	101	328	227	1,090	1,090	714	99	114	194	109	137
25	56	115	286	223	1,090	1,040	636	94	109	160	100	154
26	56	141	253	227	1,080	724	566	89	105	133	153	218
27	55	131	228	234	1,080	350	517	85	98	118	156	227
28	53	117	217	293	1,070	794	476	82	94	124	153	180
29	54	104	205	351	-----	759	447	73	86	128	154	201
30	53	95	209	450	-----	725	422	74	82	110	151	301
31	52	-----	214	501	-----	737	-----	76	-----	102	-----	-----
TOTAL	2,210	2,227	7,180	8,956	16,190	33,202	75,657	5,162	3,582	4,047	4,093	4,168
MEAN	71.3	74.2	232	289	519	1,071	2,522	167	119	131	132	139
MAX	115	141	564	501	1,090	1,350	7,290	394	240	235	252	301
MIN	52	51	76	223	266	725	422	74	86	73	84	99
CFSM	+0.06	+0.07	+0.20	+0.25	+0.31	+0.94	2.21	+1.1	+1.0	+1.1	+1.2	+1.2
IN.	+0.07	+0.07	+0.23	+0.29	+0.53	+1.08	2.47	+1.17	+1.12	+1.13	+1.13	+1.14
CAL YR 1961	TOTAL 328,795	MEAN 901	MAX 15,400	MIN 51	CFSM .79	IN 10.73						
WAT YR 1962	TOTAL 106,674	MEAN 457	MAX 7,290	MIN 51	CFSM .40	IN 5.44						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	354	64	337	800	2,570	1,700	1,060	181	176	617	674	254
2	325	62	459	778	2,210	1,760	972	210	245	566	581	250
3	265	61	602	684	1,920	1,770	884	327	326	509	459	214
4	222	61	686	602	1,760	1,780	798	431	394	460	369	180
5	261	62	722	545	1,610	1,600	714	568	431	423	304	161
6	356	62	726	513	1,590	1,800	662	600	394	374	251	146
7	398	61	646	505	1,640	1,780	686	529	310	320	223	128
8	359	62	541	513	1,700	1,740	786	453	240	283	198	118
9	302	71	464	513	1,740	1,690	948	409	198	250	188	116
10	247	78	426	480	1,870	1,610	1,030	343	179	236	177	109
11	210	79	440	469	1,940	1,520	1,060	283	184	276	158	101
12	190	98	473	674	2,070	1,420	1,020	238	159	328	237	94
13	168	109	480	842	2,100	1,320	962	238	140	354	301	87
14	156	100	452	962	2,080	1,240	872	452	138	372	220	82
15	157	95	412	1,090	2,050	1,290	776	448	134	390	243	78
16	151	95	375	1,190	1,990	1,470	680	330	129	362	236	73
17	141	94	346	1,250	1,880	1,660	589	324	141	330	213	71
18	129	95	324	1,280	1,780	1,840	502	354	139	326	198	66
19	117	95	310	1,290	1,730	2,020	440	286	172	342	236	64
20	108	92	295	1,320	1,730	2,250	388	270	201	407	362	61
21	100	90	288	1,640	1,670	2,550	354	204	194	502	450	60
22	97	109	280	1,640	1,640	2,760	326	179	229	668	477	59
23	91	118	270	1,620	1,640	2,720	301	174	229	627	401	61
24	85	142	259	2,420	1,630	2,510	277	164	296	700	534	56
25	84	163	250	3,200	1,690	2,140	252	196	258	804	268	54
26	77	158	265	4,730	1,640	1,810	233	219	258	786	226	54
27	74	150	350	5,420	1,640	1,470	216	197	326	840	202	53
28	68	147	468	4,750	1,670	1,760	202	188	376	876	180	141
29	68	144	623	3,980	-----	1,720	193	206	520	870	185	596
30	66	114	722	3,400	-----	1,210	181	197	672	790	308	688
31	66	-----	764	2,940	-----	1,140	-----	158	-----	720	318	-----
TOTAL	5,495	3,031	14,055	52,040	51,220	54,250	18,364	9,292	7,802	15,708	9,183	4,275
MEAN	177	101	453	1,679	1,679	1,750	612	300	250	507	296	143
MAX	398	214	764	5,420	2,570	2,760	1,060	600	672	876	674	688
MIN	66	61	250	469	1,590	1,140	181	158	129	236	158	53
CFSM	.16	.09	.40	1.47	1.60	1.54	.54	.26	.23	.44	.26	.13
IN.	.18	.10	.46	1.70	1.67	1.77	.60	.30	.25	.51	.30	.14
CAL YR 1962	TOTAL 177,638	MEAN 487	MAX 7,290	MIN 61	CFSM .43	IN 5.80						
WAT YR 1963	TOTAL 244,715	MEAN 670	MAX 5,420	MIN 53	CFSM .59	IN 7.98						

2-3290 Ochlockonee River near Havana, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	902	72	174	590	2,000	7,600	5,580	3,510	306	336	2,590	1,680
2	1,040	72	182	700	1,860	9,300	4,700	5,100	289	456	2,830	1,330
3	1,040	71	171	874	1,740	11,000	3,780	6,720	268	578	3,370	1,050
4	880	71	172	976	1,640	10,600	3,210	13,800	276	700	4,020	842
5	782	72	150	1,030	1,570	10,300	2,760	17,400	318	802	4,410	720
6	684	75	144	1,040	1,600	11,300	2,380	15,800	310	898	4,140	632
7	572	75	137	1,180	1,600	11,800	2,050	13,000	392	994	3,850	599
8	455	73	131	1,320	1,670	11,100	1,800	10,700	550	1,120	3,670	566
9	359	72	132	1,600	1,780	9,480	1,600	8,350	652	1,240	3,380	510
10	300	75	128	1,710	1,890	7,880	1,440	6,660	706	1,380	3,100	492
11	258	75	127	1,790	2,010	6,660	1,320	5,310	654	1,470	2,800	736
12	223	75	172	2,130	2,110	5,540	1,260	4,290	534	1,480	2,340	1,070
13	199	72	492	2,760	2,160	4,650	1,300	3,500	418	1,340	2,060	1,230
14	179	69	479	3,460	2,210	3,860	1,380	2,960	338	1,190	1,940	1,340
15	160	65	566	5,320	2,250	3,480	1,530	2,440	293	1,060	1,880	1,500
16	145	63	676	7,180	2,220	3,320	1,620	2,010	272	1,000	1,840	1,640
17	136	62	770	7,780	2,170	2,980	1,690	1,640	249	994	1,810	1,720
18	126	61	748	7,440	2,190	2,680	1,740	1,340	217	1,300	1,770	1,730
19	118	62	664	6,820	2,440	2,520	1,720	1,140	199	2,110	1,780	1,740
20	112	63	622	6,320	2,430	2,580	1,650	990	179	2,150	1,950	1,710
21	108	63	592	5,840	2,790	2,590	1,520	874	164	2,180	2,350	1,600
22	103	63	550	5,540	3,570	2,520	1,340	772	157	2,390	2,850	1,440
23	98	67	504	5,190	4,680	2,520	1,160	686	193	2,530	2,980	1,210
24	94	91	452	4,880	5,310	2,540	998	620	235	2,690	2,840	964
25	90	89	414	4,240	5,280	2,420	864	574	237	3,060	2,710	750
26	87	108	383	3,680	4,720	2,320	740	526	210	3,650	2,660	611
27	85	129	362	3,270	4,140	2,270	756	482	252	3,630	2,730	530
28	84	148	462	2,950	5,620	2,240	1,380	442	306	3,440	2,450	492
29	82	170	326	2,610	5,840	2,760	1,800	404	312	3,190	2,480	448
30	78	170	316	2,370	-----	4,160	2,400	366	255	2,940	2,250	412
31	76	-----	326	2,150	-----	5,540	-----	336	-----	2,700	1,970	-----
TOTAL	9,655	2,493	11,404	104,700	81,490	170,510	57,466	132,742	9,739	55,038	84,000	31,293
MEAN	311	83.1	368	3,377	2,610	5,500	1,916	4,282	325	1,775	2,710	1,062
MAX	1,040	170	770	7,780	5,840	11,800	5,580	17,400	706	3,650	4,410	1,740
MIN	76	61	127	550	1,570	2,240	740	336	157	336	1,770	412
CFSM	.27	.07	.32	2.96	2.46	4.82	1.68	3.76	.28	1.56	2.38	.92
IN.	.31	.08	.37	3.42	2.66	5.56	1.87	4.33	.32	1.80	2.74	1.02
CAL YR 1963: TOTAL	245,686				MEAN 673							
WAT YR 1964 TOTAL	750,532				MEAN 2,051		MAX 5,420	MIN 53	CFSM .59	IN 8.01		
							MAX 17,400	MIN 61	CFSM 1.80	IN 24.48		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	382	882	892	3,340	3,880	5,300	4,580	5,880	220	2,580	694	281
2	356	802	812	3,470	3,860	6,620	5,520	4,960	205	2,700	804	270
3	359	740	774	3,530	3,710	7,740	6,340	4,080	198	2,680	828	253
4	570	696	2,400	3,460	3,420	9,840	3,420	4,900	183	2,470	768	271
5	904	652	4,300	3,240	3,100	10,400	4,820	3,010	171	2,220	635	270
6	1,140	622	16,700	2,980	2,980	10,600	3,990	2,530	163	1,900	566	293
7	1,280	590	19,500	2,670	3,370	9,780	3,460	2,120	166	1,620	548	257
8	1,370	562	18,200	2,630	3,300	8,320	3,000	1,780	160	1,420	644	237
9	1,390	538	15,400	2,130	4,060	7,060	2,730	1,380	204	1,280	950	212
10	1,420	515	12,500	1,920	5,160	5,980	2,450	1,170	241	1,240	1,130	190
11	1,220	497	9,750	1,780	5,560	5,060	2,170	1,040	435	1,350	1,200	187
12	1,100	480	7,620	1,630	6,340	4,470	1,920	930	708	1,530	1,170	178
13	964	462	6,980	1,520	9,020	3,940	1,700	832	806	1,780	1,030	178
14	916	447	5,800	1,440	10,100	3,550	1,500	742	940	1,810	1,090	178
15	1,230	438	5,080	1,360	12,000	3,240	1,330	674	1,680	1,730	1,110	164
16	2,270	434	4,780	1,310	12,900	3,000	1,160	618	2,560	1,720	1,010	159
17	2,950	428	4,780	1,250	13,200	2,860	1,020	575	4,020	1,780	942	171
18	4,470	420	5,160	1,210	12,300	2,950	888	542	5,500	1,840	940	156
19	5,180	413	5,320	1,170	11,200	3,460	845	503	9,020	1,800	942	146
20	5,420	431	5,000	1,130	9,870	3,460	2,380	456	11,400	1,670	836	143
21	5,320	484	4,360	1,100	9,080	3,780	2,360	427	10,100	1,500	748	157
22	4,660	526	3,730	1,070	7,980	4,540	2,420	406	7,900	1,300	702	162
23	3,900	580	4,300	1,110	7,140	5,460	2,540	378	6,160	1,110	656	150
24	3,360	632	2,980	1,580	6,520	6,120	2,440	359	4,940	990	557	137
25	2,910	754	2,640	1,770	6,160	6,140	2,340	335	3,900	980	478	148
26	2,480	832	2,490	1,950	5,380	5,480	2,960	314	3,310	934	414	164
27	2,040	876	2,430	2,520	5,200	5,060	3,240	401	2,950	852	368	171
28	1,720	922	2,420	3,130	5,260	4,540	5,200	286	2,620	762	348	272
29	1,380	944	2,420	3,540	-----	4,090	5,700	266	2,450	702	371	423
30	1,140	934	2,640	3,800	-----	3,920	6,160	253	2,470	748	318	500
31	994	-----	3,060	3,900	-----	4,090	-----	238	-----	658	300	-----
TOTAL	65,435	18,533	187,758	68,410	192,250	170,940	92,963	40,815	85,810	47,656	23,097	6,478
MEAN	2,111	618	6,057	2,207	6,066	5,514	3,099	1,317	2,860	1,537	745	216
MAX	5,420	944	19,500	3,900	13,200	10,600	6,340	5,880	11,400	2,700	1,200	500
MIN	356	413	774	1,070	2,980	2,860	845	238	163	658	300	137
CFSM	1.85	.54	5.31	1.94	6.02	6.84	2.72	1.15	2.51	1.35	.45	.19
IN.	2.13	.60	6.13	2.23	6.27	5.58	3.03	1.33	2.80	1.55	.75	.21
CAL YR 1964 TOTAL	998,706				MEAN 2,729							
WAT YR 1965 TOTAL	1,000,145				MEAN 2,740		MAX 19,500	MIN 137	CFSM 2.39	IN 32.58		
									CFSM 2.40	IN 32.63		

2-3295 Little River near Quincy, Fla

Location --Lat 30°35'14", long 84°29'48", in NW 1/4 sec 12, T 2 N, R 3 W, near right bank at downstream side of bridge on State Highway 12, 0.5 mile southwest of Shady Rest, 1.1 miles downstream from confluence of Willcoochee and Atapulcus Creeks, and 4 1/2 miles east of Quincy, Gadsden County

Drainage area --237 sq mi (revised), approximately

Records available --April 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 83.19 ft above mean sea level, unadjusted Prior to Mar 9, 1964, graphic water-stage recorder at same site and datum

Average discharge --15 years, 283 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1500 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Mar 19, 1961	2300	2,620	12.75	Feb 20, 1964	0700	1,640	11.64	Jan 25, 1965	0730	3,450	12.98
Apr 13, 1961	0830	* 6,320	14.96	Feb 28, 1964	2000	5,680	14.64	Feb 8, 1965	0430	3,010	12.62
Apr 17, 1961	0030	2,580	12.72	Mar 4, 1964	2100	4,080	13.72	Feb 13, 1965	1630	4,200	13.53
Aug 31, 1961	0330	1,560	11.60	Mar 28, 1964	0815	2,580	11.49	Feb 26, 1965	0830	1,900	11.55
				Apr 29, 1964	0845	2,400	12.59	Mar 5, 1965	0115	7,940	15.77
Apr 1, 1962	1900	* 9,420	16.26	May 3, 1964	1600	* 6,660	15.13	Mar 21, 1965	0330	2,310	11.96
Jan 22, 1963	0130	* 4,400	13.93	Oct 5, 1964	0900	3,040	12.64	Apr 20, 1965	1845	1,970	11.61
July 25, 1963	2330	2,310	12.53	Oct 15, 1964	2045	7,580	15.59	Apr 27, 1965	2345	5,760	14.57
Jan 10, 1964	2000	2,120	12.37	Dec 4, 1964	2245	* 25,400	20.81	June 16, 1965	1045	4,000	13.39

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	Aug 3, 1961	56	2.01	1965	June 3, 1965	91	2.45
1962	May 31, 1962	20	1.20				
1963	Oct 29, 1962	32	a 1.38				
1964	Oct 30, 31, 1963	37	1.54				

a Occurred June 17, 1963

1950-65 Maximum discharge, 25,400 cfs Dec 4, 1964 (gage height, 20.81 ft), minimum, 6.8 cfs June 9, 1956, minimum gage height, 0.82 ft June 16, 1955

Remarks --Records good except those for 1961 water year and those for period of no gage-height record, which are fair

Revisions (water years) --WSP 1704 1958, 1959

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	1,500	238	170	474	309	393	485	232	116	194	64	1,420
2	1,130	254	160	599	271	397	405	267	116	145	58	1,250
3	866	236	157	536	292	369	323	298	105	114	64	955
4	641	210	158	351	311	331	274	271	96	151	187	474
5	496	192	161	250	364	301	241	223	88	325	193	241
6	451	186	164	218	313	282	227	190	81	208	189	231
7	486	180	166	206	386	268	270	170	78	227	204	240
8	745	175	166	213	469	262	269	156	74	241	228	236
9	888	174	166	259	471	273	244	166	77	180	316	190
10	776	179	163	260	386	256	225	304	92	364	243	146
11	576	182	178	227	305	227	208	389	104	403	138	240
12	445	184	246	206	261	212	498	372	85	479	108	318
13	377	188	262	214	243	208	4,820	286	76	514	126	257
14	342	193	223	306	234	211	1,940	214	70	347	221	183
15	321	191	223	367	229	209	1,260	178	72	198	169	179
16	303	166	273	334	223	199	1,680	158	89	143	227	187
17	287	162	261	268	218	194	2,020	136	115	124	190	156
18	275	179	225	224	213	469	1,320	122	132	126	135	124
19	273	181	199	204	501	1,600	952	112	126	159	101	107
20	373	176	186	213	713	1,970	617	103	108	144	89	104
21	426	173	198	218	752	1,280	407	96	172	113	84	103
22	368	170	220	205	612	964	333	92	305	98	105	98
23	336	169	206	192	649	738	296	96	295	100	167	90
24	302	175	192	193	910	538	271	116	194	92	144	84
25	265	188	183	219	993	378	252	162	130	82	203	77
26	242	199	180	326	912	304	237	268	148	79	244	77
27	231	202	181	332	657	276	230	414	289	186	227	94
28	223	194	182	694	437	269	315	582	295	131	188	103
29	219	188	180	700	-----	401	378	541	463	93	150	124
30	212	185	190	551	-----	496	357	303	386	80	728	104
31	210	-----	303	396	-----	500	-----	171	-----	72	1,460	-----
TOTAL	14,602	5,711	6,122	10,155	12,694	14,775	21,354	7,236	4,599	5,912	6,950	8,192
MEAN	471	190	197	328	453	477	712	233	191	191	224	273
MAX	1,500	254	303	700	993	1,970	4,820	582	463	514	1,460	1,420
MIN	210	169	157	192	213	194	208	92	70	72	58	77
CFSM	1.99	.80	.83	1.38	1.91	2.01	3.00	.98	.65	.80	95	1.15
IN.	2.29	.90	.96	1.59	1.99	2.32	3.35	1.14	.72	.93	1.09	1.29
CAL YR 1960	TOTAL 171,146			MEAN 468		MAX 14,200	MIN 69	CFSM 1.97	IN 26.86			
WAT YR 1961	TOTAL 118,302			MEAN 324		MAX 4,820	MIN 58	CFSM 1.37	IN 18.56			

## 2-3295 Little River near Quincy, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	83	58	81	154	239	179	5,110	146	29	37	84	38
2	73	60	81	181	174	223	4,170	119	33	34	103	33
3	70	58	82	174	156	451	1,520	99	61	33	85	35
4	68	55	81	135	148	452	1,000	84	54	32	60	36
5	66	58	81	139	145	389	736	77	40	63	47	80
6	66	60	79	145	143	299	486	74	38	87	42	114
7	65	59	82	172	168	223	440	71	39	79	37	109
8	63	98	80	160	149	188	506	66	36	60	83	226
9	60	84	77	190	138	174	560	62	38	52	405	268
10	60	74	77	174	153	168	588	50	48	52	465	162
11	56	70	123	162	167	167	522	58	52	46	219	108
12	54	70	196	148	154	177	403	60	62	37	97	86
13	52	68	376	136	140	168	421	60	80	34	66	77
14	53	71	461	127	123	150	461	76	140	37	55	76
15	54	77	511	127	122	204	453	59	153	71	48	123
16	50	67	376	134	206	362	478	52	68	84	71	171
17	50	63	266	135	325	429	271	46	61	108	71	157
18	51	77	274	128	306	229	225	47	53	78	67	138
19	51	75	403	124	305	236	203	42	48	86	57	170
20	50	72	379	122	467	176	188	39	40	68	54	122
21	48	66	274	121	480	162	172	37	37	63	51	92
22	48	65	200	119	446	156	154	35	80	80	162	73
23	47	92	162	120	350	162	142	32	80	87	154	128
24	51	211	146	122	258	167	131	30	58	96	152	234
25	52	216	134	122	282	162	174	28	70	69	100	159
26	52	130	127	121	288	158	119	26	74	54	88	114
27	51	129	126	126	252	149	114	24	69	72	89	110
28	49	104	144	334	206	137	131	23	46	96	73	126
29	50	90	159	481	-----	136	123	24	42	80	58	109
30	40	84	146	487	-----	116	160	21	41	63	48	89
31	57	-----	134	332	-----	309	-----	21	-----	78	43	-----
TOTAL	1,752	2,602	5,925	5,498	6,505	6,984	20,159	1,689	1,749	2,036	3,233	3,562
MEAN	56.5	83.7	191	177	232	225	672	54.5	59.6	65.7	104	119
MAX	83	216	511	481	480	452	5,110	146	153	108	465	268
MIN	48	55	77	119	172	116	119	21	29	42	37	33
CFSM	24	37	81	75	98	95	284	23	25	28	44	50
IN.	.27	42	.93	.86	1.02	1.13	3.16	.27	.28	.32	.51	.56

CAL YR 1961 TOTAL 102,206 MEAN 230 MAX 4,820 MIN 48 CFSM 1.18 IN 16.04  
WAT YR 1962 TOTAL 61,794 MEAN 169 MAX 5,180 MIN 21 CFSM .71 IN 9.70

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	60	37	496	210	319	375	135	115	126	199	379	200
2	72	35	545	187	308	346	126	118	85	126	390	154
3	49	35	401	154	310	356	121	97	65	81	712	124
4	142	39	266	139	345	328	114	79	55	63	214	86
5	166	44	187	134	351	798	107	62	46	54	149	67
6	111	42	160	144	310	285	102	56	42	46	117	73
7	80	40	137	221	415	238	265	54	50	44	106	75
8	64	41	128	234	424	206	403	64	46	50	111	74
9	60	73	155	198	307	250	482	31	42	59	118	64
10	70	146	167	164	300	257	337	68	56	116	126	56
11	65	150	156	146	274	250	216	56	122	154	168	51
12	58	107	146	415	451	240	163	56	121	185	146	48
13	50	103	126	657	511	234	145	67	59	162	146	46
14	46	84	114	738	470	274	128	459	49	71	262	44
15	43	73	112	574	411	470	114	394	43	65	260	60
16	42	64	113	414	320	700	104	351	38	180	165	52
17	40	63	111	262	264	671	96	196	36	191	119	48
18	40	62	113	219	240	407	91	152	67	313	113	45
19	42	65	111	255	423	300	86	153	119	393	128	44
20	40	66	109	516	365	254	83	100	230	311	147	42
21	41	74	106	1,740	608	225	80	171	266	520	118	40
22	45	147	103	2,500	522	198	78	200	198	1,110	132	44
23	47	184	102	1,410	190	178	74	196	236	781	148	52
24	48	155	96	986	374	169	66	117	257	416	137	77
25	38	111	96	631	495	164	60	86	163	1,030	87	56
26	34	86	165	418	517	165	58	75	165	1,780	71	47
27	33	73	388	351	479	186	56	76	181	1,180	62	46
28	33	68	474	366	399	204	69	216	69	705	106	82
29	33	71	418	349	-----	198	52	69	248	474	264	448
30	38	735	322	334	-----	170	56	167	310	442	238	589
31	37	-----	206	314	-----	140	-----	194	-----	374	158	-----
TOTAL	1,628	2,574	6,377	14,857	11,233	8,842	4,134	4,200	3,737	11,675	5,197	2,934
MEAN	59.0	85.8	206	479	401	285	128	135	121	377	168	97.8
MAX	166	235	539	2,500	608	700	485	459	310	1,780	390	589
MIN	33	35	96	134	240	146	52	56	36	44	62	40
CFSM	.25	.30	.87	2.02	1.69	1.20	.58	.57	.53	1.59	.71	.41
IN.	.29	.40	1.00	2.33	1.76	1.39	.65	.66	.59	1.83	.82	.46

CAL YR 1962 TOTAL 62,234 MEAN 171 MAX 5,180 MIN 21 CFSM .72 IN 9.77  
WAT YR 1963 TOTAL 77,588 MEAN 213 MAX 2,500 MIN 33 CFSM .90 IN 12.18

## 2-3295 Little River near Quincy, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	664	59	195	489	315	1,510	520	967	80	146	400	124
2	503	55	148	631	305	1,100	420	877	99	111	307	112
3	250	72	132	645	288	1,060	370	4,210	109	127	225	102
4	143	63	122	468	274	2,270	360	2,580	89	150	176	94
5	113	59	106	329	288	2,560	350	1,300	75	184	243	89
6	93	64	94	292	488	1,440	340	882	97	180	287	90
7	81	70	86	479	559	1,100	335	570	184	142	512	90
8	74	66	89	607	646	848	360	395	193	93	695	88
9	63	61	104	678	657	662	370	328	145	72	654	84
10	63	59	106	1,700	600	559	360	294	109	73	530	82
11	60	62	103	1,700	469	503	330	271	91	114	416	436
12	55	64	105	1,450	369	486	310	249	78	213	437	924
13	53	62	295	1,620	315	475	300	229	67	266	482	1,340
14	52	57	476	1,600	307	645	410	218	60	280	504	1,300
15	51	53	573	1,160	326	456	520	199	55	221	343	1,070
16	49	53	587	808	333	532	680	183	51	155	238	628
17	47	56	470	788	316	552	550	170	65	126	197	332
18	46	58	299	510	351	435	425	158	62	238	234	246
19	45	59	204	1,070	988	478	405	147	52	631	417	216
20	42	59	173	1,030	1,550	659	355	137	47	788	640	196
21	41	59	162	790	1,130	800	270	128	46	831	752	176
22	41	58	158	560	766	934	250	123	56	786	657	163
23	40	79	152	438	503	806	235	120	154	557	534	154
24	41	159	154	396	405	550	225	110	149	389	489	147
25	44	189	156	407	419	450	220	108	136	324	379	136
26	48	160	146	431	487	579	350	114	111	546	275	121
27	49	141	142	415	602	500	136	156	156	606	306	116
28	47	128	138	391	3,610	1,470	1,000	130	93	744	170	116
29	43	186	137	371	3,360	1,110	1,980	85	137	587	151	119
30	38	223	131	339	-----	860	1,360	81	150	661	142	119
31	38	-----	189	317	-----	670	-----	79	-----	636	136	-----
TOTAL	3,022	2,573	6,138	23,607	21,256	27,579	14,560	15,511	3,073	11,054	11,828	8,960
MEAN	97.5	85.8	198	762	733	890	465	500	101	357	382	299
MAX	664	223	587	1,700	3,610	2,560	1,980	4,210	193	831	752	1,340
MIN	38	59	88	292	274	450	220	79	46	72	136	82
CFSM	.41	.36	.84	3.21	3.09	3.75	2.05	2.11	.43	1.50	1.61	1.26
IN.	.47	.40	.96	3.70	3.34	4.33	2.28	2.43	.48	1.73	1.86	1.41

CAL YR 1964 TOTAL 78,542 MEAN 215 MAX 2,500 MIN 36 CFMSM .91 IN 12.32  
WAT YR 1964 TOTAL 149,121 MEAN 407 MAX 4,210 MIN 38 CFMSM 1.72 IN 23.40

Note --No gage-height record Mar 29 to Apr 28

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	108	243	242	513	945	716	735	800	101	378	543	177
2	107	232	222	449	1,100	3,880	693	541	93	335	661	166
3	241	231	222	428	864	5,730	650	431	93	541	627	175
4	1,030	231	11,200	413	690	2,520	560	382	100	682	423	194
5	2,740	222	14,200	392	602	1,620	478	348	132	507	488	201
6	1,640	215	3,160	371	627	1,210	432	319	129	587	476	165
7	1,020	210	1,580	356	1,580	995	393	295	210	699	301	145
8	686	208	1,070	343	2,660	828	362	270	354	449	361	131
9	281	206	862	332	1,580	713	339	254	217	469	810	121
10	289	202	684	337	1,060	650	321	240	200	481	711	125
11	249	199	578	381	854	614	306	228	438	548	675	160
12	225	197	544	358	930	620	292	216	763	606	654	160
13	209	196	670	326	3,500	675	273	203	698	744	468	144
14	378	199	828	310	3,690	687	250	189	619	806	391	131
15	5,190	200	953	302	3,590	644	229	179	1,760	666	427	123
16	5,010	198	930	301	2,170	595	221	170	3,700	732	505	120
17	2,350	195	737	298	1,400	547	213	165	2,420	690	604	140
18	1,360	193	575	284	1,400	662	204	163	2,000	446	604	160
19	953	190	486	276	1,590	973	243	156	1,950	300	477	180
20	675	200	444	272	1,250	1,700	1,430	147	1,130	252	424	150
21	447	275	436	270	983	2,080	1,340	143	760	257	428	130
22	416	289	435	268	794	1,400	850	138	475	272	409	120
23	375	247	427	314	663	975	543	138	378	741	323	110
24	349	258	420	1,220	648	740	362	134	386	207	246	115
25	326	403	415	3,110	1,170	624	465	129	294	189	214	120
26	309	486	624	1,780	1,750	575	1,520	124	326	202	192	130
27	298	482	644	1,160	1,210	644	3,720	127	717	254	178	120
28	287	382	875	905	908	798	4,040	170	933	382	177	180
29	276	319	1,270	663	-----	1,070	1,910	115	838	470	201	500
30	264	276	975	538	-----	1,130	1,130	117	561	457	217	800
31	254	-----	677	595	-----	900	-----	110	-----	375	216	-----
TOTAL	28,437	79,100	47,185	174,865	40,208	37,515	24,504	7,090	22,755	14,224	13,427	5,393
MEAN	917	254	1,522	576	1,436	1,210	817	229	759	459	433	180
MAX	5,190	486	14,200	3,110	3,690	5,730	4,040	800	3,700	806	810	800
MIN	107	190	222	268	602	547	204	110	93	189	177	110
CFSM	3.87	1.07	6.42	2.44	6.06	5.11	3.45	.97	3.20	1.94	1.83	.76
IN.	4.46	1.19	7.40	2.80	6.31	5.89	3.85	1.11	3.57	2.23	2.11	.85

CAL YR 1964 TOTAL 220,620 MEAN 603 MAX 14,200 MIN 46 CFMSM 2.54 IN 34.62  
WAT YR 1965 TOTAL 200,213 MEAN 729 MAX 14,200 MIN 93 CFMSM 3.08 IN 41.77



## 2-3297 Rocky Comfort Creek near Quincy, Fla

Location --Lat 30°32'44", long 84°38'09", in NE¼ sec 28, T 2 N, R 4 W, at center of bridge on downstream side of State Highway 274, 1 3 miles upstream from Vote Creek, 4 5 miles southwest of Quincy, Gadsden County, and 9 2 miles upstream from mouth

Drainage area --9 46 sq mi

Records available --October 1964 to September 1965

Gage --Water-stage recorder Datum of gage is 100 00 ft above mean sea level, unadjusted

Extremes -Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (\*) and peak discharges above base (300 cfs), water year 1965

Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Dec 4, 1964	0905	*2,140	41 00	Feb 24, 1965	2300	341	38 27	Apr 27, 1965	1230	1,420	40 29
Jan 24, 1965	0300	353	38 31	Mar 2, 1965	0530	686	39 17	June 15, 1965	1630	359	38 33
Feb 12, 1965	1930	474	38 67	Apr 25, 1965	2030	848	39 48	Aug 4, 1965	1830	300	38 12

1964-65 Minimum discharge, 6 2 cfs June 3 1965 (gage height, 34 57 ft)

Remarks --Records fair

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	13	11	13	18	20	72	27	28	7 5	12	53	15
2	13	11	13	17	22	46 1	25	25	7 2	14	21	15
3	57	10	16	17	19	56	24	22	7 0	13	17	17
4	100	11	747	16	19	50	24	21	10	47	78	16
5	47	11	139	16	19	34	24	19	9 4	20	25	15
6	23	11	42	16	113	30	23	18	8 6	17	18	14
7	15	11	32	16	73	28	22	16	12	17	21	14
8	13	11	28	16	32	27	22	16	13	19	23	14
9	12	11	25	16	26	25	22	15	11	17	22	13
10	10	11	24	21	24	24	22	14	17	16	22	21
11	10	11	23	18	22	24	22	14	70	50	19	16
12	9 9	11	36	16	164	32	21	13	22	38	19	15
13	9 5	11	36	16	139	29	20	12	14	26	31	14
14	50	11	25	16	156	25	19	12	53	23	22	14
15	82	11	22	16	45	24	19	12	160	24	19	14
16	36	11	21	17	35	24	19	12	36	23	18	14
17	25	11	21	16	46	24	19	12	49	21	17	14
18	20	11	20	16	51	88	20	11	42	20	16	14
19	16	11	19	16	36	41	27	10	22	19	16	14
20	14	19	20	16	31	51	98	10	17	18	17	14
21	13	13	20	16	30	30	24	10	15	18	17	14
22	12	12	19	16	28	28	23	11	14	18	16	14
23	12	11	20	67	30	28	35	10	16	18	16	13
24	11	23	21	158	88	28	22	9 7	15	17	15	15
25	11	37	19	28	84	27	225	9 1	13	17	15	15
26	11	16	45	31	33	30	148	8 9	15	24	14	14
27	10	14	71	24	30	39	453	8 9	14	21	14	16
28	10	14	24	22	29	38	138	8 6	13	19	16	64
29	10	14	21	21	-----	29	44	8 4	13	44	18	25
30	10	13	20	25	-----	27	36	8 3	12	32	15	24
31	10	-----	18	22	-----	28	-----	7 6	-----	70	15	-----
TOTAL	695 4	394	1,620	762	1,444	1,501	1,667	412 5	727 7	752	665	511
MEAN	22 4	13 1	52 3	24 6	51 6	48 4	55 6	13 3	24 3	24 3	21 5	17 0
MAX	100	37	747	158	164	461	453	28	160	70	78	64
MIN	9 5	10	13	16	19	24	19	7 6	7 0	12	14	13
CFSM	2 36	1 38	5 51	2 59	5 43	5 09	5 85	1 40	2 56	2 56	2 26	1 79
IN	2 72	1 54	6 34	2 98	5 65	5 88	6 53	1 61	2 85	2 94	2 60	2 00
CAL YR 1964: TOTAL	-	-	-	-	-	-	-	-	-	-	-	-
WAT YR 1965: TOTAL	11,151 6	-	-	MEAN 30 6	-	MAX 747	-	MIN 7 0	-	CFSM 3 22	-	IN 43 66

2-3299 Lake Talquin near Bloxham, Fla

Location --Lat 30°23'15", long 84°38'45", in SW<sup>1</sup>/<sub>4</sub> sec 16, T 1 S, R 4 W, at left upstream end of Jackson Bluff Dam on Ochlocknee River, 1 0 mile northwest of Bloxham, Leon County, and 3<sup>1</sup>/<sub>2</sub> miles downstream from Oklawaha Creek

Surface area --6,850 acres (10 7 sq mi), at elevation 60 0 ft above mean sea level, from data furnished by Florida Power Corp

Drainage area --1,720 sq mi (revised), approximately

Records available --January 1930 to September 1965 Monthly contents only for some periods, published in WSP 1304

Gage --Staff gage Datum of gage is at mean sea level (levels by Florida Power Corp )

Extremes --Maximums and minimums (contents in acre-feet, elevation in feet) for the water years 1961-65 are contained in the following table

Water year	Maximum daily			Minimum daily		
	Date	Contents	Elevation	Date	Contents	Elevation
1961	Dec 26, 1960	73,700	68 89	Oct 16, 1960	63,320	67 85
1962	Apr 2, 1962	70,200	68 54	Oct 10, 1961	50,720	66 50
1963	July 26, 1963	69,900	68 51	June 15, 1963	65,800	68 10
1964	Many days	70,800	68 60	Sept 10, 1964	55,280	67 00
1965	Dec 4, 1964	72,500	68 77	Oct 1, 1964	55,660	67 04

1930-65 Maximum daily contents, 96,320 acre-ft Sept 24, 1932 (elevation, 70 90 ft), minimum daily elevation after January 1930, 48 70 ft Oct 22, 23, 1957 (earth embankment breached)

Remarks --Lake is formed by concrete dam with riprapped earth embankments. Spillway is equipped with seven taintor gates, each 16 ft high by 25 ft wide. Storage began in June 1929, water in lake first reached minimum operating level January 1930. Usable capacity, 69,800 acre-ft between elevations, 60 0 ft (minimum operating level) and 68 5 ft (top of closed taintor gates). Contents given herein are contents above minimum operating level. Dead storage is unknown. Water is used to produce electric power.

Cooperation --Records furnished by Florida Power Corp

## MONTH-END ELEVATION AND USABLE CONTENTS, WATER YEARS 1961-65

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31, 1960	67 91	63,900	-1,800	Oct 31, 1963	68 50	69,800	+500
Nov 30	68 40	68,800	+4,900	Nov 30	68 50	69,800	0
Dec 31	68 46	69,400	+600	Dec 31	68 48	69,600	-200
Calendar year 1960	-	-	-5,000	Calendar year 1963	-	-	+800
Jan 31, 1961	68 44	69,200	-200	Jan 31, 1964	68 44	69,200	-400
Feb 28	68 41	68,900	-300	Feb 29	68 40	68,800	-400
Mar 31	68 31	67,900	-1,000	Mar 31	68 50	69,800	+1,000
Apr 30	68 36	68,600	+700	Apr 30	68 50	69,800	0
May 31	68 44	69,200	+600	May 31	68 50	69,800	0
June 30	68 44	69,200	0	June 30	68 50	69,800	0
July 31	68 50	69,800	+600	July 31	68 40	68,800	-1,000
Aug 31	68 50	69,800	0	Aug 31	68 00	64,800	-4,000
Sept 30	68 50	69,800	0	Sept 30	67 06	55,640	-8,960
Water year 1961	-	-	+4,100	Water year 1964	-	-	-13,460
Oct 31	67 10	56,220	-13,560	Oct 31	68 40	68,800	+12,960
Nov 30	68 50	69,800	+13,580	Nov 30	68 50	69,800	+1,000
Dec 31	68 37	68,500	-1,300	Dec 31	68 50	69,800	0
Calendar year 1961	-	-	-900	Calendar year 1964	-	-	+200
Jan 31, 1962	68 45	69,300	+800	Jan 31, 1965	68 50	69,800	0
Feb 28	68 42	69,000	-300	Feb 28	68 50	69,800	0
Mar 31	68 49	69,700	+700	Mar 31	68 50	69,800	0
Apr 30	68 47	69,500	-200	Apr 30	68 50	69,800	0
May 31	68 50	69,800	+300	May 31	68 50	69,800	0
June 30	68 50	69,800	0	June 30	68 50	69,800	0
July 31	68 50	69,800	0	July 31	68 40	68,800	-1,000
Aug 31	68 50	69,800	0	Aug 31	68 40	68,800	0
Sept 30	68 50	69,800	0	Sept 30	68 28	67,600	-1,200
Water year 1962	-	-	0	Water year 1965	-	-	+11,760
Oct 31	68 50	69,800	0				
Nov 30	68 50	69,800	0				
Dec 31	68 40	68,800	-1,000				
Calendar year 1962	-	-	+500				
Jan 31, 1963	68 50	69,800	+1,000				
Feb 28	68 40	68,800	-1,000				
Mar 31	68 40	68,800	0				
Apr 30	68 47	69,500	+700				
May 31	68 48	69,600	+100				
June 30	68 40	68,800	-800				
July 31	68 46	69,400	+600				
Aug 31	68 40	68,800	-600				
Sept 30	68 45	69,300	+500				
Water year 1963	-	-	-500				

## 2-3300 Ochlockonee River near Bloxham, Fla

Location --Lat 30°23'00", long 84°39'15", in NE¼ sec 20, T 1 S, R 4 W, on downstream side of right pier of bridge on State Highway 20, 3,000 ft downstream from powerplant and dam, and 1½ miles southwest of Bloxham, Leon County

Drainage area --1,720 sq mi (revised), approximately

Records available --June 1926 to September 1965 Prior to October 1954, low-flow records based on discharge measurements made at various sites within 3,000 ft upstream from gage, subsequent low-flow records based on discharge measurements made at site three-quarters of a mile downstream from gage Low-flow records not equivalent owing to seepage inflow

Gage --Digital water-stage recorder Datum of gage is 24.69 ft above mean sea level, datum of 1929 Prior to Apr 9, 1930, staff gage at site 2,700 ft upstream at datum 5.00 ft higher Apr 9, 1930, to Jan 19, 1939, graphic water-stage recorder at site 2,000 ft upstream and Jan 20, 1939, to Sept 30, 1954, at present site at datum 5.00 ft higher Oct 1, 1954, to Sept 30, 1963, graphic water-stage recorder at present site and datum

Average discharge --28 years (1926-54), 1,614 cfs (unadjusted), 11 years (1954-65), 1,832 cfs (unadjusted)

Extremes --Maximum and minimum discharges for water years 1961-65 are contained in the following table

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	Apr 20, 1961	16,900	21.77	Sept 14, 1961	44	3.42
1962	Apr 2, 1962	14,800	21.26	July 27, 1962	14	2.88
1963	Jan 23, 1963	5,290	16.10	Sept 22-24, 1963	a 30	b 2.85
1964	May 6, 1964	17,900	21.94	Oct 22, 1963	a 38	c 2.13
1965	Dec 5, 1964	38,700	24.87	Sept 9, 1965	52	3.26

a Minimum daily  
b Occurred Sept 25, 1963  
c Occurred Nov 8, 1963

1926-65 Maximum daily discharge, 55,000 cfs Sept 30, 1957, caused by failure of earth embankment of Jackson Bluff Dam 3,000 ft upstream (estimated on basis of change in contents of Lake Talquin), maximum discharge unaffected by embankment failure, 50,200 cfs Apr 5, 1948 (gage height, 28.50 ft, present datum), from rating curve extended above 38,800 cfs, maximum gage height, 32.64 ft Sept 30, 1957, from floodmarks, minimum discharge since October 1954, 1.0 cfs Nov 1, 2, 1957, caused by closure of breaks in earth embankment of Jackson Bluff Dam (indeterminate prior to October 1954)

Remarks --Records fair above 300 cfs and poor below Flow regulated since 1929 by powerplant above station and storage in Lake Talquin

Revisions (water years) --WSP 1002 1940-42 WSP 1704 1958-59

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961											
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	SEPT.
1	9,250	766	450	1,680	1,720	3,710	3,450	2,380	1,590	1,380	98
2	6,500	723	584	1,690	1,850	2,830	3,280	2,460	1,320	1,370	326
3	5,820	895	404	1,460	2,100	3,040	2,180	2,530	1,660	1,470	224
4	5,280	992	411	1,510	1,310	3,000	2,110	1,720	1,010	1,190	668
5	4,330	894	324	1,320	1,730	2,300	2,130	1,560	1,350	1,970	568
6	4,310	490	93	1,250	1,750	2,330	1,980	1,890	1,610	1,420	685
7	4,480	70	482	315	2,310	1,830	2,240	1,320	506	1,830	999
8	4,460	67	500	1,310	2,430	2,030	2,150	1,430	197	1,210	900
9	4,430	68	532	1,270	1,900	1,760	2,070	1,940	361	837	831
10	3,680	66	472	981	1,680	1,240	2,670	2,100	462	1,830	855
11	3,140	233	416	660	2,240	1,320	2,160	1,630	374	1,990	721
12	2,940	738	1,000	481	1,230	1,370	1,570	1,790	330	2,130	476
13	2,910	596	777	1,240	1,500	1,370	2,950	1,990	258	2,650	289
14	2,050	337	762	1,160	1,380	891	7,540	1,700	273	2,940	586
15	2,350	695	967	1,190	1,350	954	5,700	1,670	230	3,010	976
16	1,740	534	866	1,110	1,300	1,250	7,660	1,670	406	1,830	690
17	1,260	649	1,180	1,660	1,060	861	7,060	1,360	1,320	1,380	339
18	1,540	737	710	747	1,020	2,440	8,430	1,270	348	576	362
19	1,720	618	799	1,000	2,990	3,510	9,490	1,060	473	910	471
20	2,380	308	902	1,260	3,780	3,130	15,800	622	960	480	302
21	1,320	404	921	822	3,400	4,580	13,500	276	2,570	1,050	1,160
22	1,790	544	1,080	751	2,510	4,770	10,800	1,040	970	695	1,230
23	1,610	516	602	657	3,800	4,070	7,830	856	1,180	813	716
24	1,450	706	775	1,010	4,440	3,980	5,710	918	1,180	1,200	1,220
25	1,670	1,650	706	1,330	4,150	3,990	5,420	705	1,340	794	2,030
26	1,120	1,130	510	1,370	3,830	4,000	4,800	604	1,280	206	925
27	964	579	973	2,170	3,330	4,000	4,530	1,420	1,790	536	722
28	874	743	816	1,960	3,160	3,720	4,050	1,550	2,070	368	940
29	1,280	1,440	794	2,330	-----	3,460	3,630	1,620	1,700	502	1,980
30	486	753	701	2,250	-----	4,060	3,400	1,750	1,850	134	2,640
31	1,340	-----	977	2,180	-----	3,570	-----	1,670	-----	334	7,010
TOTAL	88,474	19,621	21,286	40,124	65,350	84,866	156,290	46,701	30,928	39,055	31,939
MEAN	2,854	634	687	1,294	2,134	2,738	5,210	1,506	1,031	1,260	1,030
MAX	9,250	1,050	1,180	2,330	4,440	4,580	15,800	2,530	2,570	3,010	7,010
MIN	486	66	93	315	1,020	861	1,570	276	197	134	98
(†)	-29	+82	+10	-3	-5	-16	+12	+10	0	+10	0
MEAN†	2,825	736	697	1,291	2,329	2,722	5,222	1,516	1,031	1,270	1,030
CFS†	1 70	44	42	1 78	1 40	1 64	3 15	91	62	77	62
IN †	1 96	49	48	90	1 46	1 89	3 51	1 05	69	88	72
CAL YR 1960	TOTAL 883,692	MEAN 2,614	MAX 20,600	MIN 46	MEAN† 2,407	CFS† 1 45	IN† 19 75				
CAL YR 1961	TOTAL 660,482	MEAN 1,810	MAX 15,800	MIN 49	MEAN† 1,816	CFS† 1 09	IN† 14 83				

† Change in contents, equivalent in cubic feet per second, in Lake Talquin, furnished by Florida Power Corp

\* Adjusted for change in contents

2-3300 Ochlockonee River near Bloxham, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	47	48	212	582	1,180	1,210	9,740	676	29	35	203	28
2	482	36	62	722	644	2,290	11,200	570	242	182	64	398
3	264	35	230	499	742	2,450	7,410	734	145	125	233	96
4	420	34	198	458	475	1,630	5,530	163	203	186	486	120
5	2,000	33	214	356	640	1,490	6,130	318	85	198	380	112
6	2,340	32	174	476	833	1,360	7,340	98	34	200	78	80
7	2,090	97	386	669	556	2,290	7,900	352	33	94	168	554
8	1,340	245	164	990	495	1,410	6,580	452	31	167	32	1,520
9	1,140	236	126	852	482	1,380	5,710	420	180	294	960	462
10	229	50	142	430	832	1,480	4,740	142	92	58	1,080	292
11	52	34	449	897	504	1,290	4,310	136	30	137	940	128
12	46	31	626	460	496	1,360	4,200	248	366	168	182	144
13	43	30	2,290	500	586	1,320	4,150	194	483	155	27	213
14	110	29	780	92	536	1,150	4,160	142	624	184	23	551
15	59	29	940	612	344	1,870	3,120	112	470	566	23	875
16	37	29	990	676	1,210	1,460	2,920	102	340	233	21	887
17	37	28	668	674	1,090	1,510	2,950	238	241	508	644	77
18	35	27	1,810	351	930	1,390	2,120	288	230	43	440	126
19	35	27	771	537	1,170	1,560	1,710	200	64	22	170	192
20	35	74	1,730	406	1,280	1,410	1,790	79	201	124	194	314
21	34	32	1,520	84	1,150	1,470	1,670	60	153	140	158	309
22	33	147	597	578	1,732	1,620	1,120	45	528	156	140	62
23	33	73	852	286	1,480	1,830	1,090	41	642	472	285	1,760
24	33	37	501	500	2,010	1,640	950	143	629	410	358	549
25	297	117	559	406	1,060	1,260	839	80	286	642	210	150
26	54	66	560	440	1,700	1,010	804	36	154	100	272	502
27	36	58	574	754	1,510	1,150	688	34	146	182	281	634
28	35	36	566	1,010	1,470	860	713	33	187	206	226	493
29	34	35	701	1,100	-----	950	540	33	186	204	293	382
30	33	204	412	990	-----	980	575	30	159	228	194	462
31	33	-----	333	1,020	-----	2,040	-----	31	-----	230	37	-----
TOTAL 11,701 1,966 20,147 18,587 27,139 46,120 112,699 6,230 7,193 6,649 8,802 12,412												
MEAN 377 65.5 650 600 969 1,488 3,757 201 240 214 284 414												
MAX 2,340 245 2,290 1,100 2,010 2,450 11,200 734 642 642 1,080 1,760												
MIN -23 -23 62 84 348 860 540 30 29 22 21 28												
MEAN± 225 294 629 613 964 1,499 3,754 206 240 214 284 414												
CFSM± 09 18 38 37 58 90 2 26 12 15 13 17												
IN ± 11 20 44 43 60 1 04 2 52 14 16 15 20												
CAL YR 1961 TOTAL 564,905 MEAN 1,548 MAX 15,800 MIN 27 MEAN± 1,547 CFM± 93 IN± 12 65												
WAT YR 1962 TOTAL 276,035 MEAN 766 MAX 11,200 MIN 21 MEAN± 766 CFM± 46 IN± 6 27												

+ Change in contents, equivalent in cubic feet per second, in Lake Talquin, furnished by Florida Power Corp  
+ Adjusted for change in contents

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	374	40	2,180	984	4,070	2,730	1,310	656	372	1,270	1,510	400
2	243	123	1,640	1,140	3,700	2,910	1,150	104	54	748	1,400	948
3	399	184	1,090	1,060	3,210	2,920	792	396	465	745	1,400	544
4	494	55	1,300	776	3,300	2,530	1,260	509	238	442	681	170
5	317	50	1,020	549	2,540	2,280	1,090	140	316	372	682	110
6	736	72	805	1,050	2,420	2,260	728	1,030	277	212	556	107
7	294	42	711	737	2,430	2,440	926	912	580	224	207	124
8	823	293	1,290	838	2,610	2,610	1,030	394	568	568	286	65
9	858	667	329	909	2,940	2,520	1,350	225	335	538	288	41
10	500	102	416	926	2,470	2,620	1,910	287	988	886	476	36
11	232	298	1,033	512	2,270	2,190	1,330	260	669	466	434	36
12	100	523	600	3,110	3,980	4,200	1,350	464	1,090	377	577	373
13	359	225	426	3,960	3,910	2,020	1,600	904	660	632	714	350
14	216	141	674	2,790	2,980	2,260	480	2,060	136	315	1,020	62
15	148	132	521	2,000	3,030	2,130	1,020	2,200	45	330	672	37
16	80	218	511	2,710	2,960	2,230	691	1,940	45	838	556	34
17	122	244	706	1,340	2,880	2,280	738	472	355	1,350	531	32
18	174	148	568	1,330	2,440	2,970	540	657	614	1,150	376	345
19	76	212	353	2,200	3,180	2,720	509	1,090	838	902	534	40
20	142	321	410	3,180	3,360	2,680	806	705	323	741	902	32
21	60	296	548	4,010	3,370	2,550	670	774	408	1,140	1,040	32
22	178	272	661	3,920	3,180	2,600	200	788	1,740	2,280	793	30
23	314	496	593	4,660	2,990	3,020	170	608	302	3,810	612	30
24	111	470	364	4,390	2,910	3,050	151	440	1,150	2,820	1,540	30
25	56	184	307	3,920	3,280	3,150	71	266	991	2,970	243	33
26	168	454	1,280	3,900	3,300	2,750	340	52	667	2,930	231	33
27	62	160	1,100	3,910	3,070	2,130	104	334	678	3,160	45	482
28	47	127	1,410	4,180	2,780	2,120	201	283	1,350	2,970	798	1,880
29	42	393	1,800	4,990	-----	1,610	152	474	1,650	2,570	421	3,930
30	79	2,780	1,390	4,390	-----	1,210	1,470	454	1,420	1,540	104	3,060
31	42	-----	982	4,260	-----	1,170	-----	820	-----	1,370	138	-----
TOTAL 7,858 9,626 20,975 78,631 85,340 74,860 24,139 20,987 19,150 40,652 19,347 13,426												
MEAN 253 321 870 2,536 3,048 2,415 805 677 638 1,311 624 448												
MAX 2,780 2,180 4,990 4,070 4,670 3,150 7,140 2,200 3,810 1,540 3,930												
MIN 40 40 307 912 2,270 1,170 71 52 45 212 45 30												
MEAN± 253 321 854 2,557 3,030 2,415 817 679 625 1,320 614 456												
CFSM± 15 19 51 1 54 1 45 49 41 38 80 37												
IN ± 18 22 59 1 77 1 68 55 47 42 92 43 28												
CAL YR 1962 TOTAL 290,290 MEAN 795 MAX 11,200 MIN 21 MEAN± 796 CFM± 48 IN± 6 51												
WAT YR 1963 TOTAL 426,991 MEAN 1,153 MAX 4,990 MIN 30 MEAN± 1,152 CFM± 69 IN± 9 44												

+ Change in contents, equivalent in cubic feet per second, in Lake Talquin, furnished by Florida Power Corp  
+ Adjusted for change in contents

## 2-3300 Ochlockonee River near Bloxham, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	2,340	68	831	1,820	2,670	9,000	5,920	6,510	732	453	3,420	2,260
2	1,980	41	983	1,860	2,470	8,320	5,180	6,090	403	750	3,380	2,430
3	1,600	39	164	2,020	2,650	14,300	5,290	6,250	588	1,710	3,370	2,360
4	1,270	225	55	1,090	3,090	14,000	4,930	12,300	675	1,710	3,840	1,860
5	873	326	42	1,620	2,430	12,800	4,330	14,300	840	1,640	6,040	1,610
6	738	126	404	1,510	2,700	12,500	4,190	16,900	1,050	1,450	6,390	1,300
7	612	43	418	2,560	2,720	11,400	3,520	15,300	1,240	1,020	6,110	1,310
8	630	41	50	3,120	3,160	11,400	2,520	11,870	952	1,270	5,280	1,340
9	495	769	290	4,270	2,460	11,400	2,890	9,140	810	1,310	5,220	1,170
10	250	756	78	4,350	2,860	9,320	2,730	5,100	1,040	1,310	5,230	1,380
11	87	48	160	4,320	3,880	7,200	1,670	5,790	899	1,390	4,660	2,890
12	493	156	980	5,760	2,850	6,610	1,740	5,740	852	2,530	3,590	3,100
13	110	312	3,770	5,340	2,710	6,860	1,760	5,130	750	2,610	3,660	3,150
14	238	110	3,580	5,360	2,400	4,950	2,850	4,110	969	1,620	4,370	3,030
15	97	45	1,530	5,430	2,850	4,890	2,600	4,160	348	1,230	3,150	2,970
16	42	41	1,680	5,540	2,900	5,850	2,540	2,690	234	1,670	3,020	2,950
17	41	40	1,210	8,780	3,140	4,720	2,430	2,430	106	1,470	3,060	2,930
18	510	39	1,500	8,860	3,630	4,420	2,550	1,700	205	2,730	3,080	2,850
19	104	705	816	7,660	4,820	4,240	2,670	1,480	468	3,940	3,080	2,790
20	41	48	1,450	7,420	4,420	4,340	2,190	1,410	228	4,820	3,080	2,700
21	39	425	443	7,110	4,360	4,290	1,990	1,630	87	3,280	3,780	2,630
22	38	99	714	8,860	4,380	4,260	2,010	1,130	528	7,100	4,120	1,940
23	276	1,380	1,290	6,100	4,410	4,240	1,950	1,100	238	4,440	4,960	2,090
24	105	639	813	4,840	5,380	4,740	1,620	762	822	3,670	4,610	1,670
25	41	110	134	4,530	5,600	4,240	1,210	903	840	4,730	4,020	1,000
26	202	256	762	5,820	5,600	4,290	1,130	777	804	3,610	3,970	1,300
27	44	463	816	4,630	8,820	4,260	2,050	822	1,070	5,030	3,940	1,150
28	298	266	1,090	4,440	12,000	4,260	3,940	610	1,190	5,900	3,760	1,410
29	130	913	161	4,200	11,200	4,250	4,610	885	831	4,730	3,080	1,540
30	62	920	780	3,600	-----	4,240	4,560	663	702	4,430	2,990	1,170
31	365	-----	1,670	3,500	-----	5,390	-----	121	-----	3,760	2,610	-----
TOTAL	14,175	8,469	29,894	145,520	122,920	217,080	89,830	151,273	20,501	87,313	124,870	62,980
MEAN	457	282	964	4,694	4,239	7,003	2,994	4,880	683	2,817	4,028	2,099
MAX	2,340	1,380	3,770	8,860	12,000	14,300	5,920	16,400	1,240	7,100	6,390	3,150
MIN	38	39	42	1,510	2,430	4,240	1,130	121	87	453	2,610	1,000
(†)	8	0	-3	0	0	0	0	0	0	0	0	0
MEAN†	465	282	961	4,681	4,239	7,019	2,994	4,880	683	2,801	3,963	1,939
CFSM†	28	17	58	2	2	5	23	1	80	2	3	1
IN ‡	32	19	67	3	25	4	87	2	01	3	39	1
CAL YR 1963 TOTAL	429,070	-----	-----	1,176	MAX 4,990	MIN 38	MEAN† 1,177	CFSM† 71	IN† 9	63	-----	-----
WAT YR 1964 TOTAL	1,074,825	-----	-----	2,937	MAX 16,900	MIN 30	MEAN† 2,917	CFSM† 1	IN† 23	91	-----	-----

+ Change in contents, equivalent in cubic feet per second, in Lake Talquin, furnished by Florida Power Corp

‡ Adjusted for change in contents

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965												
DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	146	1,460	1,370	4,620	5,420	7,400	6,250	7,220	453	3,810	2,710	244
2	66	1,420	877	4,630	4,590	13,500	5,420	6,610	266	3,150	3,660	624
3	65	1,350	1,220	4,630	5,880	16,800	6,390	6,210	116	3,840	2,890	1,040
4	268	1,260	15,200	4,630	5,480	15,900	6,610	5,420	687	4,770	2,690	1,250
5	2,360	1,260	33,600	4,550	4,570	10,700	6,610	4,680	296	4,410	2,200	842
6	3,680	1,270	20,300	4,260	5,700	12,100	5,680	4,346	304	4,380	2,400	498
7	4,360	1,180	17,700	4,080	7,040	11,300	4,700	3,330	1,090	3,680	1,290	1,250
8	2,920	1,504	19,400	3,210	6,410	10,800	4,300	3,100	1,450	3,160	1,770	636
9	1,090	1,230	17,800	4,060	7,000	8,340	4,530	2,280	630	3,110	2,060	258
10	2,510	1,320	15,400	2,970	6,640	7,700	4,290	2,250	1,180	3,060	2,580	332
11	1,160	675	11,200	3,240	5,930	7,140	3,230	2,000	2,760	2,890	3,090	765
12	1,710	1,040	9,870	3,180	8,470	5,660	3,260	2,260	2,950	2,930	3,120	729
13	1,120	1,250	10,900	2,470	13,900	6,610	3,160	1,480	2,920	3,540	3,120	940
14	4,000	415	8,500	2,250	16,200	5,510	2,160	669	2,500	4,140	2,790	172
15	12,500	690	6,810	2,650	15,700	4,790	1,910	1,050	7,250	3,400	2,320	63
16	12,700	1,210	6,760	2,510	15,700	4,760	2,670	1,130	8,400	3,080	2,120	57
17	8,940	741	6,030	2,210	15,000	4,750	1,910	1,260	6,900	3,070	2,090	1,090
18	5,380	684	6,700	1,510	14,500	6,780	1,570	660	7,120	3,050	2,580	470
19	5,010	1,090	6,170	2,130	12,900	8,040	1,990	1,050	7,660	2,920	2,100	139
20	5,900	1,550	5,100	2,060	12,000	6,370	5,500	950	9,820	2,600	2,240	204
21	5,700	1,400	6,850	2,030	11,300	5,290	5,610	919	11,600	3,160	1,860	831
22	5,260	702	2,040	1,450	8,980	2,390	5,900	789	10,300	2,800	1,770	636
23	5,200	1,440	4,980	2,390	8,240	6,680	4,400	513	7,950	1,080	1,710	468
24	5,220	1,620	4,660	4,720	8,660	6,900	4,240	849	7,270	1,520	1,150	366
25	4,200	2,340	4,630	4,880	9,360	7,430	4,260	619	6,000	845	1,150	450
26	3,080	2,280	4,470	6,570	8,090	6,490	8,930	310	5,210	2,220	961	268
27	2,760	1,450	4,960	7,180	7,190	7,190	9,400	320	4,590	2,500	989	2,240
28	2,700	2,010	4,310	4,570	6,930	6,510	13,100	525	5,000	1,620	1,210	3,440
29	2,600	1,950	4,280	4,530	-----	5,680	9,600	606	4,260	1,950	765	2,830
30	2,530	1,890	4,370	4,560	-----	5,440	7,530	618	4,170	2,400	1,190	2,960
31	1,620	-----	4,570	5,270	-----	6,210	-----	372	-----	2,120	708	-----
TOTAL	117,555	36,921	276,307	112,004	257,670	242,770	156,850	65,129	134,102	91,255	62,463	25,732
MEAN	3,792	1,297	8,913	3,614	9,203	7,831	5,162	2,101	4,470	2,944	2,015	858
MAX	12,700	2,340	33,600	6,570	16,200	16,800	13,100	7,220	11,600	4,770	3,660	3,440
MIN	65	415	877	1,510	4,570	4,750	1,570	310	116	845	708	57
(†)	0	0	0	0	0	0	0	0	0	0	0	0
MEAN†	3,813	1,314	8,933	3,614	9,203	7,831	5,162	2,101	4,470	2,928	2,015	858
CFSM†	2	30	79	5	2	5	3	1	27	2	1	21
IN ‡	2	65	88	6	19	5	77	4	46	3	03	1
CAL YR 1964 TOTAL	1,455,070	-----	-----	3,976	MAX 33,600	MIN 65	MEAN† 3,959	CFSM† 2	IN† 32	45	-----	-----
WAT YR 1965 TOTAL	1,578,794	-----	-----	4,325	MAX 33,600	MIN 57	MEAN† 4,326	CFSM† 2	IN† 35	36	-----	-----

+ Change in contents, equivalent in cubic feet per second, in Lake Talquin, furnished by Florida Power Corp

‡ Adjusted for change in contents

2-3301 Telogia Creek near Bristol, Fla

Location --Lat 30°25'35", long 84°55'40", in sec 3, T 1 S, R 7 W, near left bank at downstream side of bridge on State Highway 20, 600 ft upstream from White Branch, and 3 miles east of Bristol, Liberty County

Drainage area --126 sq mi

Records available --March 1950 to September 1965

Gage --Digital water-stage recorder Datum of gage is 99.50 ft above mean sea level, datum of 1929 (Florida State Road Department bench mark) Prior to Mar 11, 1964, graphic water-stage recorder at same site and datum

Average discharge --15 years, 210 cfs

Extremes --Maximums and minimums (discharge in cubic feet per second, gage height in feet)

Annual maximum discharge (*) and peak discharges above base (1,500 cfs), water years 1961-65											
Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height	Date	Time	Discharge	Gage height
Apr 17, 1961	1000	1,720	7.38	Feb 29, 1964	0330	* 2,860	8.41	Mar 3, 1965	0845	4,370	9.31
Aug 31, 1961	1600	* 2,900	8.25					Apr 28, 1965	-	2,120	7.86
Apr 2, 1962	0300	* 5,380	9.80	Oct 5, 1964	1130	3,440	8.78	June 16, 1965	0445	2,160	7.89
July 22, 1963	1730	* 1,370	7.10	Oct 16, 1964	0030	6,430	10.33				
				Dec 5, 1964	1145	* 8,280	11.11				
				Feb 14, 1965	0030	2,840	8.40				

  

Annual minimum discharge, water years 1961-65							
Water year	Date	Discharge	Gage height	Water year	Date	Discharge	Gage height
1961	June 14, 1961	57	2.12	1964	Oct 30, 1963	50	2.05
1962	June 7, 1962	37	1.78	1965	Oct 1, 1964	111	3.18
1963	May 12, 1963	44	1.92				

1950-65 Maximum discharge, 8,280 cfs Dec 5, 1964 (gage height, 11.11 ft), minimum, 28 cfs Sept 14, Oct 26, 27, 1954 (gage height, 1.35 ft)

Remarks --Records good except those for 1962 water year, which are fair. Some diurnal fluctuation at low flow. Numerous small reservoirs above station for irrigation supply.

Revisions (water years) --WSP 1504 1950-51, 1953(M), 1955-56

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	857	181	121	260	153	220	298	143	82	242	80	1,450
2	946	192	112	294	136	230	281	167	78	146	82	784
3	378	172	109	272	160	210	215	206	70	98	100	498
4	288	148	109	172	206	181	171	181	70	86	121	315
5	238	134	111	136	209	165	161	136	69	128	186	219
6	224	129	109	120	181	155	149	117	62	181	140	207
7	350	123	113	115	260	147	167	110	65	222	174	209
8	518	122	106	126	335	140	191	103	65	315	171	270
9	690	125	107	155	348	139	178	115	66	441	183	259
10	512	124	106	163	238	135	160	197	74	372	224	226
11	350	125	124	139	165	124	151	238	68	308	179	234
12	262	126	158	120	143	117	189	217	60	358	135	198
13	226	129	163	133	131	116	290	159	58	487	116	187
14	204	132	145	197	122	117	742	127	61	1,120	121	225
15	189	128	150	231	120	116	606	112	60	622	245	258
16	173	128	192	206	114	109	878	99	92	366	312	261
17	164	124	189	150	109	106	1,450	93	242	225	175	279
18	163	122	156	127	107	260	772	86	124	204	128	196
19	164	124	131	117	275	610	450	81	90	212	133	148
20	270	121	117	118	367	899	288	74	91	276	111	136
21	366	116	134	126	450	558	224	74	255	255	100	129
22	390	113	148	121	304	348	189	89	352	171	86	120
23	274	115	147	110	318	239	170	80	298	160	94	111
24	195	117	130	114	515	183	151	107	193	151	153	106
25	172	124	121	151	680	155	143	253	110	154	180	102
26	164	136	115	225	444	137	129	238	108	141	281	98
27	150	144	111	315	286	128	121	188	130	125	252	123
28	150	132	112	402	218	127	150	173	163	133	220	116
29	146	126	112	348	-----	151	169	138	226	114	151	100
30	136	126	120	218	-----	196	167	103	360	108	300	91
31	143	-----	157	177	-----	250	-----	93	-----	95	2,150	-----
TOTAL	9,052	3,958	4,035	5,658	7,114	6,768	9,400	4,292	3,842	8,016	7,082	7,655
MEAN	292	132	130	183	254	218	313	138	128	259	228	255
MAX	857	192	192	402	680	899	1,450	253	360	1,120	2,150	1,450
MIN	136	113	106	110	107	106	121	74	58	86	80	91
CFSM	2.32	1.05	1.03	1.45	2.02	1.73	2.49	1.10	1.02	2.05	1.81	2.03
IN.	2.67	1.17	1.19	1.67	2.10	2.00	2.77	1.27	1.13	2.37	2.09	2.26
CAL YR 1960.	TOTAL 109,570			MEAN 299		MAX 3,380	MIN 65	CFSM 2.38	IN 32.34			
MAT YR 1961	TOTAL 76,872			MEAN 211		MAX 2,150	MIN 58	CFSM 1.67	IN 22.69			

## OCHLOCKNEE RIVER BASIN

2-3301 Telogia Creek near Bristol, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	89	70	72	105	98	104	2,110	112	50	65	192	53
2	88	70	71	131	90	144	3,740	90	44	62	261	74
3	80	71	70	129	84	224	962	84	43	55	158	108
4	87	70	70	104	80	262	515	77	41	58	92	99
5	87	69	68	90	79	207	332	68	39	135	78	69
6	84	73	72	92	90	135	243	68	38	207	74	60
7	81	93	72	111	143	115	218	67	40	147	65	56
8	82	113	75	137	138	105	245	63	51	107	65	132
9	82	93	74	134	103	99	281	62	46	86	161	252
10	74	82	74	124	95	97	288	63	53	70	253	221
11	78	74	92	107	112	99	226	68	53	64	143	137
12	79	74	157	100	109	109	201	78	51	58	84	112
13	78	78	286	93	93	111	253	66	56	56	70	110
14	76	74	355	92	86	98	270	62	82	97	60	108
15	76	80	423	90	80	106	222	55	221	111	61	178
16	76	80	214	94	202	163	164	54	369	101	56	225
17	70	78	129	97	298	185	134	51	338	181	58	153
18	72	76	171	88	330	128	125	50	130	242	57	106
19	75	75	212	83	227	96	119	50	84	155	65	98
20	72	74	219	82	200	84	111	51	77	129	60	82
21	69	72	153	81	220	89	107	47	70	88	56	68
22	71	74	112	80	188	89	100	44	103	74	86	61
23	72	99	98	80	134	91	93	43	143	67	146	74
24	68	140	95	82	125	99	88	42	122	60	158	170
25	72	147	91	78	155	96	87	42	98	61	92	162
26	72	120	87	79	174	87	84	42	74	61	82	112
27	69	92	86	94	145	79	85	40	68	72	80	173
28	66	79	105	79	118	78	83	41	64	76	68	195
29	65	78	120	239	-----	76	109	40	63	74	66	134
30	67	76	108	250	-----	71	135	40	62	136	64	97
31	67	-----	97	134	-----	188	-----	44	-----	228	57	-----
TOTAL	2,344	2,544	4,130	3,459	3,996	3,714	11,730	1,804	2,773	3,183	3,068	3,679
MEAN	75.5	84.8	133	112	124	120	391	58.2	92.4	103	99.0	123
MAX	89	147	423	250	330	262	3,740	112	369	242	261	252
MIN	65	69	68	78	79	71	83	40	38	55	56	53
CFSM	.60	.67	1.06	.89	1.13	.95	3.10	.46	.73	.81	.79	.97
IN.	.69	.75	1.22	1.02	1.18	1.10	3.46	.53	.82	.94	.91	1.09

CAL YR 1961 TOTAL 64,845 MEAN 189 MAX 2,150 MIN 58 CFSM 1.50 IN 20.32  
 MAT YR 1962. TOTAL 46,424 MEAN 127 MAX 3,740 MIN 38 CFSM 1.01 IN 13.70

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	89	57	766	162	200	217	87	312	123	141	270	116
2	110	56	885	144	187	214	78	258	82	114	288	104
3	148	53	496	132	187	226	77	123	66	96	279	84
4	141	60	249	126	219	210	80	90	54	82	251	79
5	133	62	175	119	224	187	76	78	58	69	177	77
6	106	58	172	133	195	171	82	72	56	62	146	80
7	87	59	175	177	214	166	164	62	58	66	129	85
8	77	60	158	192	252	159	229	66	70	77	115	80
9	97	99	151	163	224	142	186	60	84	167	108	74
10	191	220	150	137	182	148	122	54	143	171	100	64
11	122	214	137	126	169	156	108	49	205	138	123	69
12	89	128	144	224	260	151	95	46	175	97	157	67
13	76	119	193	543	350	146	84	77	161	80	184	60
14	74	118	139	826	337	172	151	104	74	201	59	59
15	70	98	128	435	238	248	78	184	78	102	251	62
16	62	65	125	262	183	288	68	218	66	112	228	72
17	66	79	122	200	162	224	70	132	73	238	161	64
18	64	77	119	176	150	177	68	92	267	429	179	66
19	62	79	116	174	259	152	68	84	423	692	204	62
20	56	77	112	243	423	135	63	78	405	435	212	62
21	59	90	110	500	524	137	64	103	246	324	214	54
22	62	156	104	871	350	114	65	126	154	1,010	240	60
23	74	216	104	630	728	112	58	107	178	1,120	212	74
24	65	181	102	372	240	60	102	218	686	142	142	68
25	57	114	104	260	337	104	60	92	330	567	115	68
26	54	93	183	211	411	98	61	84	318	778	102	59
27	55	80	372	192	314	110	54	74	258	814	90	62
28	57	510	201	246	50	118	50	88	519	1518	158	62
29	53	35	450	193	-----	103	50	92	159	350	118	456
30	52	292	260	182	-----	99	82	132	189	234	101	686
31	55	-----	200	192	-----	92	-----	147	-----	261	102	-----
TOTAL	2,563	3,245	7,171	8,498	7,265	4,883	2,572	3,433	4,980	10,096	5,315	3,231
MEAN	82.7	103	231	274	259	158	85.7	114	166	323	171	108
MAX	191	292	885	871	524	288	229	312	423	1,120	288	686
MIN	52	53	102	119	150	92	50	46	54	62	90	54
CFSM	.66	.86	1.84	2.18	2.06	1.25	.68	.88	1.32	2.58	1.36	.85
IN.	.76	.96	2.12	2.51	2.14	1.44	.76	1.01	1.47	2.98	1.57	.95

CAL YR 1962 TOTAL 50,385 MEAN 138 MAX 3,740 MIN 38 CFSM 1.10 IN 14.87  
 MAT YR 1963. TOTAL 63,252 MEAN 175 MAX 1,120 MIN 46 CFSM 1.38 IN 18.67

## 2-3301 Telogia Creek near Bristol, Fla --Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	524	56	176	524	208	913	239	459	79	141	147	109
2	249	55	112	620	209	539	222	567	75	212	133	104
3	155	56	138	600	197	625	208	708	85	222	125	106
4	121	58	171	312	188	1,100	204	620	78	276	166	124
5	104	60	141	225	207	1,080	204	390	73	263	600	118
6	96	69	105	227	325	675	196	264	83	179	640	120
7	91	76	91	361	423	472	193	208	135	125	686	115
8	78	74	88	559	426	369	202	178	140	96	615	100
9	80	66	99	678	332	315	208	161	107	87	453	98
10	79	71	97	1,110	304	312	199	151	92	87	535	98
11	76	74	91	920	244	308	180	141	89	198	518	444
12	69	68	100	702	215	289	165	130	90	337	447	1,070
13	70	70	378	790	199	254	155	126	78	378	378	1,200
14	70	66	635	820	195	233	193	124	87	298	500	892
15	61	64	702	510	199	251	313	120	76	264	381	625
16	67	64	456	372	200	289	402	111	67	168	237	369
17	68	64	267	429	191	308	342	109	69	134	234	251
18	63	67	182	575	294	276	217	104	63	207	270	211
19	55	62	149	645	500	229	172	95	64	340	323	188
20	61	63	139	486	708	372	152	97	64	347	325	170
21	60	64	137	393	447	539	141	91	79	252	551	155
22	94	61	130	335	312	511	134	92	108	204	490	143
23	57	70	128	288	254	328	129	86	116	225	347	137
24	60	119	134	261	227	266	126	91	102	196	279	132
25	60	137	137	251	231	254	120	98	100	167	248	129
26	60	96	123	272	270	378	143	89	106	234	178	120
27	57	92	117	276	423	585	269	91	161	328	148	120
28	5d	106	113	249	1,360	719	575	86	200	438	133	125
29	53	180	111	240	2,070	472	772	82	180	378	125	114
30	57	206	107	224	-----	355	600	78	165	242	119	116
31	58	-----	226	207	-----	270	-----	80	-----	158	113	-----
TOTAL	2,871	2,434	5,780	14,861	11,358	13,886	7,376	5,827	3,011	7,181	10,444	7,803
MEAN	92.6	81.1	186	479	392	442	246	188	100	232	337	260
MAX	524	206	702	1,110	2,070	1,100	772	708	200	438	686	1,200
MIN	53	55	136	207	188	229	120	78	63	87	113	98
CFSM	.74	.64	1.48	3.80	3.11	3.56	1.95	1.49	.80	1.84	2.67	2.06
IN.	.85	.72	1.71	4.39	3.35	4.10	2.18	1.72	.89	2.12	3.08	2.30

CAL YR 1963 TOTAL 61,358 MEAN 168 MAX 1,120 MIN 46 CFSM 1.33 IN 18.11  
 MAY YR 1964 TOTAL 92,832 MEAN 254 MAX 2,070 MIN 53 CFSM 2.01 IN 27.40

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	112	219	199	370	330	432	373	710	128	323	785	205
2	115	705	185	330	305	1,280	361	610	126	282	745	206
3	268	199	181	315	282	3,400	333	515	125	310	755	264
4	1,250	200	1,350	300	270	1,300	280	450	125	333	620	322
5	2,930	196	6,540	265	240	378	262	390	126	315	440	493
6	1,900	191	2,330	270	240	670	227	355	129	436	416	332
7	830	188	1,060	260	404	560	210	325	153	500	367	189
8	548	186	760	250	630	488	201	305	222	480	318	167
9	385	184	564	240	625	444	195	285	248	476	500	157
10	274	179	452	250	480	394	192	276	346	426	625	169
11	227	180	408	280	364	367	190	256	800	358	655	160
12	194	178	420	260	540	352	183	225	1,050	355	665	175
13	185	177	568	240	1,780	361	172	204	902	452	564	166
14	468	178	685	225	2,200	456	162	191	675	512	536	154
15	3,490	178	635	220	1,640	420	155	184	1,440	358	400	146
16	3,940	175	520	215	1,130	346	155	180	1,970	323	340	142
17	1,270	171	394	210	765	320	148	177	1,330	358	278	143
18	830	170	349	205	780	432	148	169	1,310	308	244	186
19	615	168	320	200	866	670	152	170	1,430	224	225	228
20	492	188	300	188	795	854	670	164	926	195	234	175
21	408	227	300	185	572	872	630	160	635	196	254	151
22	355	242	303	183	460	685	410	160	464	266	338	142
23	320	157	308	216	391	492	275	160	343	246	278	131
24	285	227	294	420	397	240	160	160	338	188	209	140
25	276	448	288	1,310	700	355	255	150	355	172	188	159
26	262	572	320	950	950	330	880	145	388	173	177	176
27	252	596	484	660	710	397	2,020	190	492	293	169	158
28	252	375	660	552	506	2,120	138	670	872	375	171	319
29	248	272	900	408	-----	630	1,250	136	556	645	208	755
30	227	228	660	335	-----	576	920	140	352	444	258	1,050
31	217	-----	445	315	-----	436	-----	136	-----	745	256	-----
TOTAL	23,040	7,085	23,206	10,897	19,323	20,190	13,769	7,776	18,154	11,562	12,218	7,360
MEAN	742	225	749	352	630	651	439	251	605	373	394	245
MAX	3,940	290	6,540	1,310	2,200	3,400	2,120	710	1,970	872	785	1,050
MIN	112	168	181	183	240	320	148	136	125	172	169	131
CFSM	5.90	1.87	5.94	2.79	5.48	5.17	3.64	1.99	4.80	2.96	3.13	1.95
IN.	6.80	2.09	6.85	3.22	5.70	5.96	4.06	2.30	5.36	3.41	3.61	2.17

CAL YR 1964 TOTAL 135,078 MEAN 369 MAX 6,540 MIN 63 CFSM 2.93 IN 39.87  
 MAY YR 1965 TOTAL 174,580 MEAN 478 MAX 6,540 MIN 112 CFSM 3.80 IN 51.53



2-3303 New River near Wilma, Fla

Location --Lat 30°07'40", long 84°53'15", in SW 1/4 sec 13, T 4 S, R 7 W, near center of downstream side of Carr Bridge on U S Forest Road 13, 2 1/2 miles upstream from West Prong New River, and 4 1/2 miles southeast of Wilma, Liberty County

Drainage area --81 7 sq mi

Records available --October 1964 to September 1965

Gage --Water-stage recorder Datum of gage is at mean sea level (Florida State Road Department Bench mark)

Extremes --1964-65 Maximum discharge during water year, 2,360 cfs Dec 5, 1964 (gage height, 45.96 ft), no flow May 28 to June 8, 1965, minimum gage height, 37.24 ft June 2, 1965

Remarks --Records good except those below 10 cfs, which are poor

## DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	19	36	145	264	338	460	148	274	0	206	800	45
2	19	27	126	224	285	1,080	132	244	0	178	985	41
3	140	22	113	191	244	1,610	113	200	0	160	825	68
4	940	19	987	167	210	1,480	99	167	0	173	696	57
5	890	15	2,250	146	182	1,170	87	138	0	208	568	42
6	620	12	2,310	127	168	865	78	109	0	256	526	29
7	350	9.7	1,920	108	212	644	66	86	0	290	515	21
8	185	8.5	1,360	96	242	498	49	66	0	335	473	16
9	140	7.3	955	84	246	400	44	0	2	376	433	12
10	110	6.2	704	73	236	305	35	37	21	385	367	12
11	91	5.3	550	65	216	246	28	26	291	348	308	15
12	80	4.7	473	53	210	197	23	19	628	385	276	12
13	75	4.4	578	46	433	168	18	14	620	487	278	7.4
14	103	4.1	800	41	895	150	14	9.9	550	415	272	5.1
15	740	3.8	728	36	1,150	132	12	7.2	712	330	272	3.4
16	1,380	3.3	616	32	1,080	112	9.5	5.3	1,120	300	232	2.7
17	1,640	3.0	515	28	910	98	7.0	3.9	1,410	308	190	2.2
18	1,490	2.4	430	25	724	132	5.1	3.0	1,490	305	161	1.8
19	1,220	2.0	358	23	606	246	4.0	2.3	1,160	298	142	1.4
20	890	5.3	300	21	498	254	11	1.6	890	256	121	1.0
21	620	14	254	19	409	252	16	1.2	680	232	100	.80
22	385	15	218	18	335	242	16	0	522	322	88	.60
23	280	12	196	28	274	230	18	0	394	262	80	.50
24	200	33	173	284	292	214	19	0	300	208	68	5.6
25	160	151	167	487	668	194	16	0	240	170	50	14
26	130	214	145	494	660	176	44	0	212	240	38	16
27	108	204	174	515	568	206	149	0	10	364	30	13
28	90	188	238	487	508	204	335	0	364	732	73	232
29	74	176	276	424	-----	191	310	0	310	750	103	860
30	59	161	315	376	-----	185	285	0	254	790	90	1,670
31	46	-----	302	397	-----	163	-----	0	-----	700	63	-----
TOTAL	13,254	1,369.0	18,676	5,377	12,799	12,510	2,190.6	1,464.80	12,532.2	10,838	9,223	3,707.50
MEAN	428	45.6	602	173	457	404	73.0	47.3	418	350	298	107
MAX	1,640	214	2,310	515	1,150	1,610	335	274	1,490	790	985	1,670
MIN	19	2.0	113	18	168	98	4.0	0	0	160	30	.50
CFSM	5.23	.56	7.37	2.12	5.59	4.94	.89	.58	5.11	4.28	3.64	1.31
IN.	6.03	.62	8.50	2.45	5.83	5.69	1.00	.67	5.70	4.93	4.20	1.46
CAL YR 1964	TOTAL			MEAN		MAX	MIN	CFSM	IN			
WAT YR 1965	TOTAL 103,441.10			MEAN 283		MAX 2,310	MIN 0	CFSM 3.47	IN 47.09			

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations.

## LOW-FLOW PARTIAL-RECORD STATIONS

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water years 1961-65

Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Ogeechee River basin						
* 2-1997	South Fork Ogeechee River near Crawfordville, Ga	Lat 33°31', long 82°55', Taliaferro County, at State Highway 22, 2½ miles south of Crawfordville	a 33	1951, 1953, 1955, 1959-65	10-18-60, 9-25-61, 9-24-62, 9-11-63, 9-30-63, 9-23-64, 9-16-65	4 92, 4 77, 4 99, 5 00, 15 5, 10 5, 5 18
2-2000	Ogeechee River at Jewell, Ga	Lat 33°18', long 82°47', Warren County, at State Highway 16 at Jewell	242	1943-44†, 1951, 1953, 1955-56, 1959-61, 1963, 1965	10-19-60, 9-25-61, 10-17-62, 9-11-63, 9-14-65	27 0, 34 9, 36 3, 29 3, 30 0
* 2-2005	Ogeechee River near Louisville, Ga	Lat 32°58', long 82°23', Jefferson County, at U S Highway 1, 2 miles south of Louisville	a 800	1937-49†, 1953, 1955, 1959-61, 1964-65	9-25-61, 10-23-63, 9-15-65	306, 276, 391
2-2013	Chew Mill Creek near Herndon, Ga	Lat 32°49', long 82°05', Jenkins County, at State Highway 17, 2½ miles northeast of Herndon	a 23	1954-55, 1957, 1959, 1961, 1964-65	10-25-60, 12-11-63, 8-31-65	4 33, 11 3, 8 09
2-2014	Little Buckhead Creek near Millen, Ga	Lat 32°49', long 81°57', Jenkins County, at State Highway 21, 1¼ miles north of Millen	29 7	1954, 1957, 1959, 1961, 1964-65	10-25-60, 12-11-63, 8-31-65	21, 4 53, 38
2-2026	Black Creek near Eldorado, Ga	Lat 32°10', long 81°29', Bryan County, at State Highway 30, 4½ miles southwest of Eldorado	232	1944, 1951, 1954, 1959, 1961, 1964-65	10-25-60, 12-10-63, 8-31-65	6 02, 11 0, 33 8
* 2-2028	Canoochee Creek near Swainsboro, Ga	Lat 32°36', long 82°15', Emanuel County, at U S Highway 80, 4½ miles east of Swainsboro	a 55	1951-52, 1954-55, 1957, 1959, 1961, 1964-65	10-25-60, 12- 6-63, 5-21-65	0, 5 13, 0
Altamaha River basin						
* 2-2043	Indian Creek near Stockbridge, Ga	Lat 33°32', long 84°12', Henry County, at State Highway 42, 2½ miles southeast of Stockbridge	a 50	1943, 1951, 1953-54, 1958, 1960-65	9-20-61, 9-11-62, 8-29-63, 9-23-64, 9-15-65	21 9, 11 6, 23 5, 25 1, 17 4
2-2083	Alcovy River near Monroe, Ga	Lat 33°48', long 83°46', Walton County, at State Highway 10, 2½ miles west of Monroe	a 99	1943, 1953, 1959-65	9-19-61, 9-14-62, 9-4-63, 9-23-64, 9-15-65	60 1, 36 3, 49 1, 62 2, 37 6
2-2112	Big Sandy Creek near Flovilla, Ga	Lat 33°11', long 83°50', Butts-Monroe Counties, at State Highway 87, 5½ miles southeast of Flovilla	a 57	1951, 1953-54, 1959-63, 1965	9-20-61, 9-11-62, 8-29-63, 11-16-64, 7-20-65, 9-21-65	26 8, 12 9, 26 8, 31 4, 28 3, 69 6
2-2127	Caney Creek near Dames Ferry, Ga	Lat 33°02', long 83°43', Jones County, at county road 1½ miles northeast of Dames Ferry	108	1943, 1955, 1958, 1960-63, 1965	9-20-61, 9-12-62, 8-30-63, 11-16-64, 9-17-65	10 3, 5 21, 10 3, 26 6, 7 15

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued

Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Altamaha River basin--Continued						
2-2131	Walnut Creek near Macon, Ga	Lat 32°52'40", long 83°36'40", Bibb County, at old bridge 1,100 ft upstream from bridge on U S Highway 29 and 1½ miles north of Macon city limits	a 79	1943-44, 1951, 1955, 1959-61, 1965	10-29-58 10-30-58 5- 5-59 6-22-59 7-12-60 9- 5-60 10- 4-60 10-17-60 11-16-60 12- 7-60 1-11-61 6-13-61 11-16-64 9-17-65	b 2 70 b 2 92 b 13 5 b 9 26 b 13 4 b 3 20 5 30 3 95 5 28 7 62 9 22 14 0 22 1 15 7
2-2132	Swift Creek near Macon, Ga	Lat 32°48', long 83°34', Bibb County, at crossing of Macon, Dublin and Savannah Railroad, 4½ miles southeast of Macon	a 11	1943, 1951, 1955, 1959, 1961, 1964-65	11- 9-60 12- 9-63 11-17-64	10 2 7 52 3 77
2-2133	Tobesofkee Creek near Forsyth, Ga	Lat 33°01', long 84°01', Monroe County, at waterworks intake 4 miles southwest of Forsyth	27 7	1955, 1958, 1960-65	9-20-61 9-12-62 9-12-62 10-10-63 6-18-64 11-18-64 9-16-65	11 4 50 10 3 8 04 38 6 21 6 10 8
2-2134	Little Tobesofkee Creek near Forsyth, Ga	Lat 32°57', long 84°03', Monroe County, at State Highway 83, 8½ miles southwest of Forsyth	16 8	1943-44, 1955, 1958, 1960-65	9-20-61 9-12-62 8-29-63 10-10-63 11-18-64 9-16-65	4 90 4 05 5 18 4 32 13 5 5 87
* 2-2140	Echoconnee Creek near Macon, Ga	Lat 32°46', long 83°51', Crawford-Bibb Counties, at county road 13 miles southwest of Macon	147	1937-43*, 1953, 1955, 1961, 1964-65	11- 9-60 10-10-63 11-13-63 12- 9-63 6-17-64 11-17-64 9-16-65	18 6 29 5 24 9 49 7 47 4 68 0 34 4
2-2151	Big Creek near Hawkinsville, Ga	Lat 32°14', long 83°30', Pulaski County, at State Highway 27, 3½ miles southwest of Hawkinsville	a 155	1944, 1951, 1954, 1959, 1961, 1964-65	10-24-60 12- 9-63 5-26-65	20 0 30 6 33 0
2-2152	Bluff Creek near Finleyson, Ga	Lat 32°09', long 83°25', Pulaski County, at State Highway 11, 4½ miles east of Finleyson	a 90	1959, 1961, 1964-65	10-24-60 12- 9-63 6-31-65	19 4 16 8 30 4
* 2-2160	Little Ocmulgee River at Towns, Ga	Lat 32°00', long 82°45', Telfair County, at State Highway 134 at Towns	329	1937-64*, 1951, 1954, 1957, 1959-61, 1964-65	10-24-60 12- 6-63 5-26-65	4 64 3 92 11 2
* 2-2161	Alligator Creek near Alamo, Ga	Lat 32°02', long 82°42', Wheeler County, at State Highway 134, 9½ miles southeast of Alamo	a 255	1944, 1951, 1954, 1957, 1959-61, 1964-65	10-21-60 12- 9-63 5-26-65	3 29 5 53 7 79
2-2162	Little Ocmulgee River at Lumber City, Ga	Lat 31°56', long 82°40', Telfair County, at State Highway 15 at Lumber City	783	1959-61, 1965	10-24-60 5-27-65	8 29 42 4
* 2-2172	Middle Oconee River near Jefferson, Ga	Lat 34°06', long 83°36', Jackson County, at State Highway 11, 2½ miles southwest of Jefferson	128	1951, 1953, 1955, 1959, 1961, 1963-65	10-24-60 9-19-61 10-15-62 6-13-63 9-18-63 10-24-63 11-19-63 8-27-64 10-27-64 11-12-64 8-10-65 8-27-65	87 3 94 4 61 8 100 87 3 82 9 89 7 94 4 98 5 114 125 59 7
2-2173	Cedar Creek near Winder, Ga	Lat 34°01', long 83°44', Barrow County, at county road 1½ miles west of Winder	a 9 9	1959-65	9-24-60 9-19-61 9-14-62 9- 4-63 9-22-64 9-15-65	b 2 73 3 56 3 19 2 55 2 86 1 56
c 2-2176	North Oconee River near Maysville, Ga (formerly published as Oconee River near Maysville)	Lat 34°14', long 83°34', Jackson County, at county road 1½ miles south of Maysville	a 70	1943, 1951, 1953, 1955, 1959-61, 1963-65	10-24-60 9-19-61 10-17-62 8-13-63 9-18-63 10-24-63 11-18-63 8-10-65 8-27-65	55 3 66 3 55 4 65 0 66 3 59 4 61 0 66 8 47 8

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued

Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Altamaha River basin--Continued						
c 2-2177	Sandy Creek at Athens, Ga	Lat 33°59', long 83°23', Clarke County, at State Highway 24 near Athens	a 61	1943, 1951, 1953, 1955, 1959-65	10-24-60 9-20-61 9-14-62 10-15-62 8-16-63 9- 4-63 9-18-63 10-24-63 11-19-63 8-27-64 10-26-64 11-12-64 8-11-65 8-27-65	54 2 30 0 23 2 30 4 41 9 34 7 47 5 40 8 42 9 50 9 64 3 60 5 49 5 28 1
2-2184	Greenbrier Creek near Wraywood, Ga	Lat 33°40', long 83°20', Greene County, at county road 1½ miles south of Wraywood	a 20	1943, 1953, 1956, 1959-65	10-25-60 9-20-61 9-14-62 9-23-63 9-22-64 9-15-65	7 54 10 1 5 77 8 46 13 8 7 07
2-2187	Apalachee River near Bethlehem, Ga	Lat 33°54', long 83°43', Barrow County, at State Highway 11, 2½ miles south of Bethlehem	a 54	1943, 1954-55, 1959-65	9-19-61 9-14-62 9- 4-63 9-22-64 9-15-65	39 7 15 0 26 5 37 7 19 9
2-2194	Big Sandy Creek near Apalachee, Ga	Lat 33°40', long 83°27', Morgan County, at State Highway 24, 1½ miles southwest of Apalachee	a 61	1943, 1951, 1953-54, 1957, 1959-63, 1965	10-25-60 9-13-62 9-23-63 9-15-65	27 7 14 9 21 2 23 6
2-2204	Beaverdam Creek near Greensboro, Ga	Lat 33°29', long 83°11', Greene County, at county road 6½ miles south of Greensboro	a 44	1956, 1959-65	10-25-60 9-20-61 9-13-62 9-23-63 10-31-63 9-23-64 9-16-65	4 01 7 65 4 58 4 05 6 82 10 1 5 22
2-2209	Little River near Eatonton, Ga	Lat 33°19', long 83°26', Putnam County, at State Highway 16, 3 miles west of Eatonton	262	1944, 1951-54, 1958, 1960-65	10-26-60 9-21-61 9-13-62 8-30-63 9-23-64 9-13-65	60 4 82 7 32 0 94 9 88 7 67 0
2-2213	Pearson Creek near Monticello, Ga	Lat 33°19', long 83°42', Jasper County, at State Highway 11, 1½ miles northwest of Monticello	a 5 5	1952, 1954, 1958, 1960-65	10-26-60 9-21-61 9-11-62 8-29-63 9-23-64 9-13-65	1 58 1 66 621 1 72 1 45 1 73
2-2219	Cedar Creek near Eatonton, Ga	Lat 33°11', long 83°26', Putnam County, at State Highway 44, 10 miles south of Eatonton	129	1959-62	10-25-60 9-21-61 9-12-62	14 1 22 6 18 6
2-2230 2	Fishing Creek near Milledgeville, Ga	Lat 33°05', long 83°16', Baldwin County, at county road 2½ miles west of Milledgeville	a 60	1951-52, 1955, 1958, 1960-63, 1965	9-21-61 9-12-62 8-30-63 9-13-65	8 20 5 30 8 48 9 15
2-2231	Buffalo Creek near Sandersville, Ga	Lat 32°58', long 82°57', Washington County, at State Highway 24, 8½ miles west of Sandersville	248	1944, 1951, 1959-63, 1965	10-19-60 9-21-61 9-25-62 9- 9-63 9-14-65	28 8 66 7 31 6 39 1 42 2
2-2241	Turkey Creek at Garretta, Ga	Lat 32°27', long 82°57', Laurens County, at State Highway 31 at Garretta	316	1951, 1961, 1964-65	10-25-60 12- 6-63 5-27-65	34 9 57 9 65 1
2-2246	Ochwalkee Creek near Glenwood, Ga	Lat 32°11', long 82°39', Wheeler County, at State Highway 30, 1½ miles east of Glenwood	a 76	1954, 1957, 1959, 1965	5-27-65	41
* 2-2251	Cobb Creek near Lyons, Ga	Lat 32°02', long 82°23', Toombs County, at State Highway 56, 1½ miles northeast of Cedar Crossing and 13 miles northeast of Lyons	a 69	1951-52, 1954-55, 1958-61, 1964-65	10-25-60 12- 6-63 5-27-65	0 07 0
* 2-2253	Ochoopee River near Oak Park, Ga	Lat 32°23', long 82°19', Emanuel County, at U S Highway 1, 2½ miles north of Oak Park	a 620	1951, 1954, 1957, 1959, 1961, 1964-65	10-25-60 12- 6-63 5-28-65	19 5 133 52 7

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued

Discharge measurements made at the following gauging stations during water years 1951-66—Continued						
Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Satilla River basin						
* 2-2262	Satilla River near Douglas, Ga	Lat 31°25', long 82°51', Coffee County, at U S Highway 441, 6½ miles south of Douglas	a 235	1949-50, 1952, 1954-55, 1959-61, 1964-65	10-19-60 12- 4-63 5-25-65	8 75 8 98 0
2-2271	Little Hurricane Creek near Alma, Ga	Lat 31°30', long 82°32', Bacon County, at State Highway 64, 5 miles southwest of Alma	a 61	1952, 1954-55, 1959-61, 1964-65	10-26-60 12- 4-63 5-21-65	0 0 0
* 2-2272	Little Hurricane Creek below Alma, Ga	Lat 31°23', long 82°26', Bacon County, at State Highway 4, 8½ miles south of Alma	111	1952, 1954-55, 1959, 1961, 1964-65	10-26-60 12- 4-63 5-21-65	0 0 0
2-2273	Alabama River near Blackshear, Ga	Lat 31°19', long 82°14', Pierce County, at State Highway 38, 1 mile northeast of Blackshear	438	1949-50, 1954-55, 1959-61, 1964-65	10-20-60 12- 6-63 5-25-65	20 2 9 28 6 27
*2-2274	Big Satilla Creek near Alma, Ga	Lat 31°39', long 82°26', Bacon County, at State Highway 4, 8½ miles north of Alma	112	1949-50, 1954-55, 1958-59, 1961, 1964-65	10-21-60 12- 4-63 5-21-65	0 0 0
* 2-2274 3	Little Satilla Creek at Odom, Ga	Lat 31°40', long 82°03', Wayne County, at State Highway 27 at Odom, 10 miles northwest of Jesup.	a 49	1949-50, 1954, 1958-61, 1964-65	10-21-60 12-10-63 5-21-65	0 55 0
* 2-2274 7	Little Satilla Creek near Jesup, Ga	Lat 31°34', long 81°59', Wayne County, at State Highway 99, 7 miles southwest of Jesup	a 83	1952, 1958-59, 1961, 1964-65	10-26-60 12-10-63 5-21-65	85 2 45 0
St Marys River basin						
2-2295	South Prong St Marys River near Sanderson, Fla	NW¼ sec 25, T 33, R 20 E, 5 ft upstream from bridge on State Highway 229, 1 mile upstream from small tributary, and 3½ miles south of Sanderson, Baker County.	a c 35	1955-61*, 1965	5-25-65	d 0 03
* 2-2310 5	Deep Creek near Baldwin, Fla	NW¼ sec 29, T 2 S, R 23 E, Nassau County, at bridge on U S Highway 90, 3 2 miles west of Baldwin, Duval County, and 5 miles upstream from mouth	29 9	1965	4- 8-65 4-28-65 5-10-65 5-18-65 6-30-65	3 28 d 2 0 0 2 53
* 2-2311 5	Little Dunn Creek near Boulogne, Fla	SW¼ sec 34, T 4 N, R 23 E, at culvert on State Highway 121, 3 miles upstream from mouth and 4 2 miles southwest of Boulogne, Nassau County	7 07	1965	4- 7-65 5-10-65 5-20-65 7- 1-65	d 1 9 d 3 d 01 8 37
2-2312	Spanish Creek near Folkston, Ga	Lat 30°48', long 82°02', Charlton County, at State Highway 23, 2 miles southwest of Folkston	a 85	1955, 1959-61, 1964-65	10-20-60 12- 6-63 5-26-65	0 5 76 1 14
* 2-2312 3	Pigeon Creek at Boulogne, Fla	Land Grant 41, T 4 N, R 23 E, at bridge on U S Highway 1, 1 mile southeast of Boulogne, Nassau County, and 1 9 miles upstream from mouth	7 87	1965	4- 7-65 5-10-65 5-20-65 7- 1-65	4 07 68 42 24 8
Coastal basins between St Marys River and St Johns River						
* 2-2312 6	Boggy Swamp near Hilliard, Fla	NW¼ sec 36, T 3 N, R 24 E, at bridge on U S Highway 1, 2 3 miles upstream from Little Boggy Swamp and 4 8 miles southeast of Hilliard, Nassau County	21 4	1965	4- 6-65 5-11-65 5-20-65 7- 1-65	11 8 0 0 34 0
* 2-2312 7	Mills Creek near Callahan, Fla	Land grant 47, T 2 N, R 25 E, at bridge on State Highway 200, a quarter of a mile upstream from Cushing Creek and 1 0 mile northeast of Callahan, Nassau County	26 3	1965	4- 6-65 5-11-65 5-19-65 5-20-65 7- 2-65	17 2 02 0 c 01 17 6
* 2-2312 9	Lofton Creek near Yulee, Fla	Land grant 50, T 3 N, R 27 E, at bridge on U S Highway 17, 2 8 miles northwest of Yulee, Nassau County, and 3 2 miles upstream from McQueen Creek	10 4	1965	4- 6-65 5-11-65 5-19-65 7- 2-65 8-20-65	6 52 0 0 65 4 29
St Johns River basin						
* 2-2324 5	Jim Creek near Christmas, Fla	NE¼ sec 1, T 24 S, R 33 E, at bridge on State Highway 520, 7 7 miles southeast of Christmas, Orange County	22 7	1959-65	12-14-60 3-20-61 5- 4-61 5-24-61 6-13-61 6-27-61 8- 1-61 9-12-61 10-24-61 12- 5-61 1-16-62 5- 8-62 5-22-62 6-28-62 8- 2-62 11- 1-62	1 02 5 58 0 0 0 0 0 01 0 0 86 0 0 12 4 0

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued

Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
St Johns River basin--Continued						
* 2-2324 5	Jim Creek--Continued	See preceding page			4-16-63 6- 5-63 7-17-63 11-20-63 5-17-64 6-26-64 4-21-65 6- 9-65	0 0 48 6 22 9 7 79 0 0 0
2-2331	Econlockhatchee River near Bithlo, Fla	NW 1/4 sec 19, T 22 S, R 32 E, at bridge on State Highway 50, 3.0 miles northwest of Bithlo, Orange County	119	1959-63, 1965	12-20-60 5-24-61 5-31-61 9-15-61 10-27-61 12- 4-61 12- 8-61 5-22-62 6-29-62 11- 1-62 5- 9-63 5- 5-65	7 86 0 0 12 2 4 96 1 19 1 25 0 0 7 95 40 23
2-2408	Hatchet Creek near Gainesville, Fla	Corner of secs 21, 22, 27, and 28, T 9 S, R 22 E, at bridge on State Highway 26, 1.2 miles upstream from Newnans Lake and 7.5 miles northeast of Gainesville, Alachua County	a 57	1958-60, 1965	5-25-65	d 12
* c 2-2409 5	Hogtown Creek near Gainesville, Fla	Sec 2, T 10 S, R 19 E, at bridge on Newberry Road, 2.2 miles west of Gainesville, Alachua County	15 6	1958-60, 1965	5-25-65	3 25
* 2-2419	Lochloosa Creek at Grove Park, Fla	Sec 30, T 10 S, R 22 E, at bridge on State Highway 20, 1.0 mile east of Grove Park, Alachua County	34 7	1959-60, 1965	5-25-65	0
* 2-2438	Deep Creek near Rodman, Fla	NW 1/4 sec 18, T 11 S, R 25 E, at bridge on State Highway 310, 2.7 miles upstream from mouth and 4.7 miles west of Rodman, Putnam County	54 3	1956, 1958-60, 1965	5-26-65	48 8
2-2453	Clarkes Creek near Green Cove Springs, Fla	NE 1/4 sec 23, T 7 S, R 26 E, at bridge on county road, 3.1 miles upstream from mouth and 7.8 miles south of Green Cove Springs, Clay County	8 81	1965	5-26-65	1 94
* 2-2454	South Fork Black Creek near Camp Blanding, Fla	On line between secs 27 and 28, T 6 S, R 24 E, at bridge on State Highway 21, 6 miles southeast of main entrance to Camp Blanding, Clay County, and 13.5 miles west of Green Cove Springs	34 8	1958-60, 1965	5-26-65	18 2
2-2454 3	Ates Creek near Penney Farms, Fla	NE 1/4 sec 35, T 6 S, R 24 E, 1.7 miles upstream from mouth and 4.9 miles southwest of Penney Farms, Clay County	40 8	1957-60, 1965	5-25-65	2 54
* 2-2454 7	Greens Creek near Penney Farms, Fla	SW 1/4 sec 3, T 7 S, R 25 E, at bridge on county road, 5 miles south of Penney Farms, Clay County, and 7.8 miles southwest of Green Cove Springs	14 9	1957-60, 1965	5-25-65	0
2-2456	Bull Creek near Middleburg, Fla	On line between secs 27 and 28, T 5 S, R 24 E, at bridge on State Highway 21, 3.1 miles southwest of Middleburg, Clay County	20 4	1965	5-26-65	2 70
2-2458	North Fork Black Creek near Highland, Fla	SE 1/4 sec 27, T 4 S, R 23 E, at bridge on State Highway 218, 3.9 miles east of Highland, Clay County, and 7.6 miles northwest of Middleburg	48 9	1957-60, 1965	5-24-65	1 25
* 2-2458 5	Long Branch at Maxville, Fla	On line between secs 29 and 32, T 3 S, R 23 E, at culvert on State Highway 228, 0.3 mile west of Maxville, Duval County, and 5.5 miles upstream from mouth	2 98	1965	4-14-65 5-10-65 6- 2-65	07 d 01 d 07
* 2-2459	Yellow Water Creek near Maxville, Fla	NE 1/4 sec 20, T 3 S, R 24 E, at bridge on State Highway 228, 5.8 miles northeast of Maxville, Duval County	25 7	1957-60, 1965	5-24-65 5-25-65	d 17 d 2
* 2-2467	Little Sixmile Creek near Marietta, Fla	Land grant 53, T 2 S, R 26 E, at bridge on Kings Road, 0.6 mile upstream from mouth and 4.3 miles northeast of Marietta, Duval County	3 35	1965	4-13-65 5-28-65	2 66 3 99
Coastal basins between St Johns River, and Lake Okeechobee and the Everglades						
2-2490	Eau Gallie River near Eau Gallie, Fla (formerly published as Elbow Creek near Eau Gallie)	SW 1/4 sec 17, T 27 S, R 37 E, at bridge 1 1/2 miles west of Eau Gallie, Brevard County, and 2 miles upstream from Indian River	2 69	1955-57, 1958-60, 1965	5- 3-65	1 75
Lake Okeechobee and the Everglades basins						
* 2-2637	Shingle Creek near Vineland, Fla	SW 1/4 sec 8, T 24 S, R 29 E, at bridge on Taft-Vineland Road, 4.4 miles northeast of Vineland, Orange County	c 48 0	1959-63, 1965	12-19-60 4-10-61 5-23-61 6- 6-61 8- 2-61 11-22-61 5- 9-62 12-13-62 4-10-63 5-20-63 5- 3-65	2 43 2 82 0 0 7 92 3 95 98 2 67 6 75 90 1 23

## LOW-FLOW PARTIAL-RECORD STATIONS

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued						
Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Lake Okeechobee and the Everglades basins--Continued						
2-2660	Canoe Creek near St Cloud, Fla	NW $\frac{1}{4}$ sec 6, T 28 S, R 31 E, at bridge on State Highway 523, 13 miles south of St Cloud, Osceola County	86 5	1950-59*, 1965	5- 5-65	5 81
2-2665	Reedy Creek near Loughman, Fla	Sec 32, T 25 S, R 28 E, at bridge on U S Highway 17 and 92, 2 5 miles northeast of Loughman, Polk County, and 3 miles downstream from Davenport Creek	acell10	1940-59*, 1965	5- 4-65	4 81
Myakka River basin						
* 2-2996	Big Slough Canal near Myakka City, Fla	On line between secs 6 and 7, T 38 S, R 22 E, Sarasota County, at bridges on State Highway 72, 11 miles south of Myakka City, Manatee County	f 53 0	1963-65	1-14-63 4- 8-63 5-15-63 3-25-64 5- 6-64 5-22-64 6-10-64 7-23-64 4- 5-65 5- 5-65	1 80 46 07 17 2 61 14 6 36 92 43 07
Coastal basins between Myakka River and Alafia River						
* 2-2997 2	Cow Pen Slough near Laurel, Fla	Sec 15, T 38 S, R 19 E, at bridge on private road, 4 $\frac{1}{2}$ miles north-east of Laurel, Sarasota County	a 56	1963-65	1-15-63 4-11-63 5-14-63 3-24-64 5-20-64 6-10-64 10-14-64 4- 8-65 5- 4-65 6- 3-65	3 87 1 11 11 9 92 1 12 21 7 37 99 15 02
* 2-3007	Bullfrog Creek near Wimauma, Fla	SE $\frac{1}{4}$ sec 12, T 31 S, R 19 E, at bridge on State Highway 672S, 6 miles northwest of Wimauma, Hillsborough County	29 1	1957-58*, 1965	5- 5-65	1 61
Hillsborough River basin						
* 2-3032	Pemberton Creek near Dover, Fla	SE $\frac{1}{4}$ sec 19, T 28 S, R 21 E, at bridge on county road, 1 8 miles upstream from Baker Creek and 2 $\frac{1}{2}$ miles northwest of Dover, Hillsborough County	a 24	1957-58*, 1965	5- 4-65	11 0
Suwannee River basin						
2-3143	Tatum Creek near Homerville, Ga	Lat 30°54', long 82°40', Clinch County, at U S Highway 441, 11 miles southeast of Homerville	a 38	1949, 1952, 1954, 1955, 1959-61	10-20-60	17 3
* 2-3146	Suwanoochee Creek at DuPont, Ga	Lat 30°59', long 82°53', Clinch County, at U S Highway 84 at DuPont	143	1949-50, 1952, 1954-55, 1959-61, 1964-65	11- 1-60 12- 5-63 5-26-65	17 0 0 0
2-3150	Suwannee River near Benton, Fla	NE $\frac{1}{4}$ sec 9, T 1 N, R 16 E, Hamilton County, at bridge on State Highway 6, 3 6 miles northwest of Benton, Columbia County	ae2050	1932-34*, 1965	5-28-65	322
* 2-3157	Alapaha River at Rebecca, Ga	Lat 31°49', long 82°28', Ben Hill County, at State Highway 90, 1 mile east of Rebecca	112	1952, 1954, 1959, 1961, 1964-65	10-18-60 12- 5-63 5-25-65	0 0 99
* 2-3159	Deep Creek near Ashburn, Ga	Lat 31°44', long 83°35', Turner County, at State Highway 112, 4 $\frac{1}{2}$ miles east of Ashburn	137	1952, 1954, 1959, 1961, 1965	10-18-60 5-25-65	04 0
* 2-3162	Willacoochee Creek near Ocilla, Ga	Lat 31°30', long 83°10', Irwin County, at State Highway 90, 8 miles southeast of Ocilla	a 90	1952, 1954, 1957, 1959-61, 1964-65	10-18-60 12- 4-63 5-25-65	1 16 261 0
2-3165	Big Creek at Lake-land, Ga	Lat 31°03', long 83°04', Lanier County, at State Highways 11 and 31 at Lakeland	138	1937-38*, 1949, 1954, 1959-61, 1964-65	10-19-60 12- 4-63 5-26-65	6 86 2 26 2 78
2-3176	Little River near Statenville, Ga	Lat 30°42', long 83°07', Echols County, at county road 5 $\frac{1}{2}$ miles west of Statenville	199	1951-52, 1954, 1959, 1961, 1964-65	10-20-60 12- 4-63 6-23-64 5-26-65	67 5 13 1 61 5 29 3
* 2-3177	Withlacoochee River near Nashville, Ga	Lat 31°12', long 83°16', Berrien County, at State Highway 76, 1 $\frac{1}{2}$ miles southwest of Nashville	132	1949-50, 1954, 1958, 1961, 1964-65	10-19-60 12- 9-63 5-27-65	61 3 51 0

Discharge measurements made at low-flow partial-record stations during water years 1961-65--Continued

Station No	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Suwannee River basin--Continued						
* 2-3178	Little River near Tifton, Ga	Lat 31°26', long 83°34', Tift County, at U S Highway 82, 3 miles west of Tifton	a 145	1949-50, 1952, 1954, 1958, 1961, 1964-65	10-18-60 12- 4-63 5-25-65	0 0 0
2-3179	Ty Ty Creek at Ty Ty, Ga	Lat 31°28', long 83°40', Tift County, at U S Highway 82, 1 mile west of Ty Ty	a 47	1954, 1957, 1959, 1961, 1964-65	10-18-60 12- 4-63 5-25-65	0 0 0
2-3185	Withlacoochee River near Quitman, Ga	Lat 30°47', long 83°27', Brooks-Lowndes Counties, at U S Highway 84, 6 miles east of Quitman	1,480	1921+, 1929-32+, 1937-38+, 1955, 1960-61, 1964-65	12-24-60 12- 5-63 5-27-65	80 6 23 4 57 0
2-3208	Sampson River at Sampson, Fla	NW¼ sec 4, T 7 S, R 21 E, at culvert on State Highway 225 at Sampson, Bradford County	67 8	1958-60, 1965	5-24-65	2 14
2-3209	New River near Raiford, Fla	NE¼ sec 15, T 5 S, R 21 E, at bridge on State Highway 16, 3 3 miles east of Raiford, Union County	93 3	1965	5-25-65	40
2-3209 5	Water Oak Creek near Starke, Fla	Sec 36, T 5 S, R 21 E, at bridge on State Highway 16, 6 2 miles northwest of Starke, Bradford County	20 7	1965	5-25-65	0
2-3212	Butler Creek near Lake Butler, Fla	Sec 32, T 5 S, R 20 E, at culvert on State Highway 100, 1 6 miles east of Lake Butler, Union County	a 8	1965	5-25-65	0
* 2-3217	Swift Creek near Lake Butler, Fla	Sec 16, T 5 S, R 19 E, at bridge on State Highway 100 at Guilford, 5 miles northwest of town of Lake Butler, Union County	a 27	1957-60+, 1965	5-25-65	0
* 2-3218	Olostee Creek near Providence, Fla	NW¼ sec 1, T 6 S, R 17 E, at bridge on State Highway 258, 1 5 miles west of Providence, Union County, 3 6 miles downstream from Swift Creek, and 6 5 miles upstream from mouth	a 150	1957-60+, 1965	5-25-65	0
Ochlockonee River basin						
* 2-3272	Ochlockonee River at Moultrie, Ga	Lat 31°11', long 83°48', Colquitt County, at State Highway 37 at Moultrie	a 96	1949-50, 1952, 1954-55, 1957, 1959-61, 1964-65	10-21-60 12- 4-63 5-27-65	12 6 1 60 0
* 2-3277	Barnetts Creek near Thomasville, Ga	Lat 30°54', long 84°05', Grady County, at county road 7½ miles northwest of Thomasville	104	1954, 1957, 1959-61, 1964-65	10-24-60 12- 4-63 6-22-64 5-27-65	55 4 18 7 5 80 6 79
* 2-3279	Wolf Creek near Whigham, Ga	Lat 33°54', long 84°17', Grady County, at U S Highway 84, 2½ miles northeast of Whigham	a 19	1945, 1949-50, 1952, 1954, 1957, 1959-61, 1964-65	10-21-60 10-24-60 12- 5-63 6-23-64 5-27-65	26 0 17 5 6 47 7 78 8 42

\* Also a crest-stage partial-record station

+ Operated as a continuous-record gaging station

a Approximately

b Not previously published

c Revised

d Field estimate

e Includes part of watershed in Okefenokee Swamp, which is indeterminate

f Including that of Mud Lake Slough



The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Ogeechee River basin							
* 2-1997	South Fork Ogeechee River near Crawfordville, Ga	Lat 33°31', long 82°55', Taliaferro County, at State Highway 22, 2½ miles south of Crawfordville	a 33	1949b, 1951-65	2-25-61 2-22-62 6-28-63 5- 2-64 12-26-64	14 25 10 87 10 44 13 22 13 30	2,580 1,470 1,320 2,200 2,500
2-2001	Little Ogeechee River at Hamburg, Ga	Lat 33°12', long 82°47', Washington County, at State Highway 102 at Hamburg	a 55	1951-65	2-25-61 3-12-62 1-20-63 5- 2-64 12-26-64	7 37 4 71 5 08 5 45 5 80	4,070 830 1,200 1,530 1,940
* 2-2005	Ogeechee River near Louisville, Ga	Lat 32°58', long 82°23', Jefferson County, at U S Highway 1, 2 miles south of Louisville	a 800	1930, 1937-49b, 1950-65	2-25-61 1- 8-62 1-21-63 5- 3-64 12-27-64	17 04 14 99 15 32 15 63 16 20	17,000 8,100 9,100 10,700 13,000
2-2009	Big Creek near Louisville, Ga	Lat 32°59', long 82°21', Jefferson County, at State Highway 17 about 3½ miles southeast of Louisville	95 8	1951-65	4-14-55 5-31-59 4- 4-60 4-16-61 3-12-62 10- 5-62 11-10-62 5- 3-64 7-30-65	5 18 4 09 5 27 5 82 5 21 4 76 4 76 5 92 6 09	c 690 c 318 c 735 812 705 508 508 1,140 1,270
2-2013 5	Buckhead Creek near Waynesboro, Ga	Lat 32°58', long 82°07', Burke County, at State Highway 56, 10 miles southwest of Waynesboro	a 64	1963-65	1-22-63 3- 8-64 2-18-65	6 18 6 52 6 49	880 1,140 1,140
2-2018	Richardson Creek near Millen, Ga	Lat 32°43', long 81°58', Jenkins County, at State Highway 67, 6 miles south of Millen	a 43	1963-65	10- 5-62 9- 1-64 2-18-65	5 69 5 45 5 01	1,880 1,480 1,070
2-2023	Mill Creek near Statesboro, Ga	Lat 32°28', long 81°45', Bulloch County, at State Highway 73, 2½ miles northeast of Statesboro	a 39	1963-65	6-26-63 9- 1-64 2-18-65	4 56 4 81 4 66	790 970 880
* 2-2028	Canoochee Creek near Swainsboro, Ga	Lat 32°36', long 82°15', Emanuel County, at U S Highway 80, 4½ miles east of Swainsboro	a 55	1951-65	4-16-61 3-12-62 10- 7-62 2-18-64 2-18-65	6 43 5 70 6 77 6 88 6 82	1,020 680 1,220 760 1,250
2-2029	Fifteen Mile Creek near Metter, Ga	Lat 32°24', long 82°01', Candler County, at State Highway 46, 2½ miles east of Metter	147	1963-65	10- 7-62 2-21-64 2-18-65	6 07 6 50 6 35	1,680 2,120 2,010
Altamaha River basin							
2-2037	Intrenchment Creek near Atlanta, Ga	Lat 33°41'20", long 84°19'50", DeKalb County, at Constitution Road 1 2 miles east of Atlanta	11 6	1961, 1963-65	2-25-61 5-27-63 3-25-64 1-23-65	13 19 13 78 14 53 12 15	3,000 3,400 4,100 2,250
2-2038	South River at Atlanta, Ga	Lat 33°41', long 84°18', DeKalb County, at Bouldercrest Drive at Atlanta	41 5	1951-65	12-21-51 7-16-53 3-16-56 4- 5-57 1-30-60 2-25-61 2-22-62 4-30-63 4- 6-64 12- 6-64	7 21 7 12 7 66 7 64 9 79 11 09 7 43 8 77 9 27 5 45	c 2,460 c 2,380 c 2,900 c 2,800 c 5,700 8,000 2,620 4,220 4,950 1,530
2-2038 2	Sugar Creek near Atlanta, Ga	Lat 33°41'40", long 84°18'15", DeKalb County, at culvert on Clifton Church Road, 2 6 miles east of Atlanta	8 71	1961, 1963-65	2-25-61 5-27-63 4- 6-64 1-23-65	9 05 8 75 7 28 5 14	d 1,600 1,580 1,410 755
2-2038 3	Doolittle Creek near Atlanta, Ga	Lat 33°42'30", long 84°17'45", DeKalb County, at culvert on Whites Mill Road, 3 2 miles east of Atlanta	3 88	1961, 1963-65	2-25-61 5-27-63 5- 2-64 12- 4-64	8 88 10 3 -	d 1,100 d 1,400 d 560 d 550
2-2038 4	Shoal Creek tributary near Atlanta, Ga	Lat 33°43'05", long 84°15'45", DeKalb County, at culvert on Glendale Drive, 5 1 miles east of Atlanta	92	1963-65	5-27-63 1-24-64 12-26-64	6 80 3 30 5 04	720 330 460
2-2038 5	Shoal Creek near Atlanta, Ga	Lat 33°42'35", long 84°15'55", DeKalb County, at culvert on Rainbow Drive, 4 8 miles east of Atlanta	7 45	1963-65	5-27-63 3-25-64 6-11-65	10 1 6 15 4 97	2,670 1,180 1,000
2-2038 7	Cobb Creek near Atlanta, Ga	Lat 33°43'45", long 84°14'15", DeKalb County, at culvert on Snapfinger Road, 6 4 miles east of Atlanta	3 67	1963-65	5-27-63 3-25-64 12-26-64	11 4 4 75 4 24	3,400 d 1,000 880

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Altamaha River basin--Continued							
2-2039	South River near Atlanta, Ga	Lat 33°40', long 84°13', DeKalb County, on Flakes Mill Road 8 miles east of Atlanta city limits	a 99	1951-65	2-25-61 2-22-62 4-30-63 4-6-64 12-26-64	21 30 12 65 14 34 15 58 8 70	12,500 5,620 6,810 7,720 2,960
2-2039 5	Snappfinger Creek near Decatur, Ga	Lat 33°45'50", long 84°13'15", DeKalb County, at Redan Road 3 6 miles east of Decatur	13 2	1961, 1963-65	2-25-61 5-27-63 3-25-64 12-26-64	11 2 14 18 11 4 7 6	2,100 3,800 2,200 820
2-2039 9	Pole Bridge Creek near Lithonia, Ga	Lat 33°42'15", long 84°07'55", DeKalb County, at culvert on Chupp Road, 1 6 miles west of Lithonia	7 40	1963-65	4-30-63 3-25-64 3-17-65	5 94 6 40 2 62	524 900 250
* 2-2043	Indian Creek near Stockbridge, Ga	Lat 33°32', long 84°12', Henry County, at State Highway 42, 2½ miles southeast of Stockbridge	a 50	1951-65	3-3-52 3-16-56 4-4-57 2-25-61 2-22-62 3-13-63 4-6-64 12-26-64	9 47 9 80 9 55 12 37 9 35 9 79 - 8 47	c 1,900 c 2,080 c 1,960 5,640 1,820 2,080 d 2,400 -
2-2045	South River near McDonough, Ga	Lat 33°30', long 84°01', Henry County, at Butler Bridge 9 miles northeast of McDonough	456	1940-604, 1961-65	2-25-61 2-22-62 4-30-63 4-6-64 3-18-65	25 45 17 63 17 88 20 38 12 80	26,400 10,400 10,800 15,600 4,840
2-2071 6	Stone Mountain Creek near Lithonia, Ga	Lat 33°46'25", long 84°04'40", DeKalb County, at State Highway 124, 4 5 miles northeast of Lithonia	29 0	1963-64	5-27-63 3-25-64	5 79 5 59	1,500 1,400
2-2072	Swift Creek near Lithonia, Ga	Lat 33°44'50", long 84°05'00", DeKalb County, at State Highway 124, 2 8 miles northeast of Lithonia	5 11	1963-65	4-30-63 3-25-64 3-17-65	6 17 6 28 4 23	365 800 135
2-2075	Yellow River near Covington, Ga	Lat 33°37', long 83°55', Newton County, at bridge on State Highway 12, ¾ miles west of Covington	378	1936, 1945-604, 1961-65	4-7-36e 2-26-61 2-23-62 4-30-63 3-26-64 1965	e29 9 19 10 14 21 17 29 16 89 (f)	- 13,100 5,900 9,540 8,900 <3,470
2-2090	Alcovy River below Covington, Ga	Lat 33°31', long 83°49', Newton County, near bridge at Henderson Mill, 7 miles southeast of Covington	244	1887, 1920, 1929-324, 1936, 1945-494, 1950-65	2-26-61 2-23-62 6-28-63 4-6-64 3-17-65	16 88 10 96 15 51 15 72 6 89	5,540 2,780 4,790 5,000 1,350
2-2105	Ocmulgee River near Jackson, Ga	Lat 33°18', long 83°50', Butts County, 500 ft upstream from bridge on State Highway 16, 7 miles east of Jackson	a1,420	19124, 1920, 1940-604, 1961-65	2-26-61 2-23-62 4-30-63 5-3-64 3-18-65	20 08 12 95 13 44 15 06 9 12	43,100 21,200 22,300 27,000 11,200
2-2115	Towaliga River near Forsyth, Ga	Lat 33°07', long 83°57', Monroe County, at bridge on State Highway 42, about 6 miles north of Forsyth	315	1929-314, 1945-494, 1951-65	2-26-61 1962 3-31-63 4-6-64 12-26-64	17 99 (f) 15 15 17 45 11 88	9,500 <4,000 6,780 8,900 4,410
2-2133 5	Tobesofkee Creek below Forsyth, Ga	Lat 33°00', long 83°57', Monroe County, at State Highway 42, 3 miles southwest of Forsyth	53 4	1963-65	1-20-63 5-2-64 10-5-64	4 27 4 85 5 8	- - -
* 2-2134	Little Tobesofkee Creek near Forsyth, Ga	Lat 32°57', long 84°03', Monroe County, at State Highway 83, 8½ miles southwest of Forsyth	16 8	1951-61	3-3-52 5-1-53b 3-16-56 6-5-57 11-19-57 4-4-60 2-25-61	10 11 10 67 9 73 7 95 6 93 8 93 10 63	e 3,060 e 4,040 e 2,580 c 1,140 c 1,120 c 729 3,970
* 2-2140	Echeconnee Creek near Macon, Ga	Lat 32°46', long 83°51', Crawford-Bibb Counties, at county road 13 miles southwest of Macon	147	1938-434, 1951-65	2-25-61 2-22-62 1-20-63 4-6-64 12-26-64	13 42 12 79 11 78 15 04 15 84	9,840 8,500 5,900 15,000 18,500
2-2150	Ocmulgee River at Hawkinsville, Ga	Lat 32°17', long 83°28', Pulaski County, at U S Highway 341 at Hawkinsville, at mile 135 1 (gage heights furnished by U S Weather Bureau)	a3,800	1877, 1909-28, 1932-43, 1960-65	8-1877 3-17-60 3-6-10 4-19-11 3-19-12 3-19-13 3-3-14 1-23-15 7-14-16 3-9-17 2-5-18 3-1-19 12-15-19 2-15-21 3-14-22 6-2-23 1-24-24	34 9 26 7 20 3 9 2 29 1 31 0 8 1 21 0 28 1 24 0 17 5 28 0 29 3 25 0 29 0 25 1 18 1	e 70,500 e 35,400 e 18,800 e 5,920 e 44,400 e 52,000 e 5,850 e 20,100 e 40,400 e 27,000 e 14,500 e 40,000 e 45,200 e 30,000 e 44,000 e 30,300 e 15,200

## CREST-STAGE PARTIAL-RECORD STATIONS

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Altamaha River basin--Continued							
2-2150	Ocmulgee River--Continued	See preceding page			1-21-25 4- 5-26 3-16-27 8-19-28 1-13-32 2-25-33 3-10-34 10-17-34 4-12-36 25- 5-37 4-11-38 3- 4-39 2-24-40 7-19-41 3-25-42 3-25-43 4- 5-60 3- 2-61 3-16-62 1-25-63 4-12-64 12-30-64	36 5 20 6 11 4 28 6 18 8 20 9 19 5 16 9 33 0 23 5 28 0 27 4 16 8 10 6 32 1 28 4 23 6 30 0 23 2 26 1 30 3 20 6	e 79,000 e 19,300 e 7,580 e 42,400 e 16,200 e 19,900 e 17,400 e 13,500 e 61,000 e 25,800 e 33,000 e 37,900 e 13,300 e 6,950 e 57,000 e 41,600 e 26,000 48,000 25,000 33,400 49,200 19,300
2-2152 8	House Creek tributary near Rebecca, Ga	Lat 31°50', long 83°22', Ben Hill County, at culvert on State Highway 90, 7½ miles east of Rebecca	a 2 0	1960-65	4- 5-60 4-15-61 3-31-62 7- 9-63 6-25-64 2-26-65	9 50  (r) 6 61 - 3 40	e 775 d 175 50 440 530 146
* 2-2160	Little Ocmulgee River at Towns, Ga	Lat 32°00', long 82°45', Telfair County, at State Highway 134 at Towns	329	1925, 1929, 1938-46*, 1948-65	3- -29e 4-15-61 4- 1-62 7- 9-63 3- 5-64 2-18-65	e 17 3 d 13 2 e 11 55 12 11 14 6 15 4	d 10,300 2,710 1,750 1,930 3,680 4,400
* 2-2161	Alligator Creek near Alamo, Ga	Lat 32°02', long 82°42', Wheeler County, at State Highway 134, 9½ miles south-east of Alamo	a 255	1950-65	4-15-61 4- 1-62 7- 9-63 2-20-64 2-18-65	11 0 10 61 12 69 14 1 14 9	1,390 1,280 2,100 3,140 3,900
* 2-2172	Middle Oconee River near Jefferson, Ga	Lat 34°06', long 83°36', Jackson County, at State Highway 11, 2½ miles southwest of Jefferson	128	1951-65	10-22-50 3-24-52 1-10-53 1-19-54 2- 7-55 3-16-56 4- 6-57 4-15-58 5-30-59 2-25-61 12-13-61 6-27-63 4- 8-64 12-25-64	8 25 11 77 8 22 10 88 9 70 10 10 8 29 7 38 6 93 13 9 12 00 12 88 12 74 8 94	c 3,510 c 3,710 c 3,510 c 6,160 c 5,020 c 5,400 c 3,620 c 2,500 c 1,360 9,000 7,000 7,100 7,800 4,260
2-2179	North Oconee River at Athens, Ga	Lat 33°57', long 83°22', Clarke County, at Cemetery Bridge in Athens, half a mile downstream from bridge on U S Highway 78	283	1929-31*, 1945-49*, 1950-65	2-26-61 2-23-62 6-27-63 4- 8-64 3-26-65	19 21 14 32 26 4 20 64 14 83	6,230 3,770 13,600 6,580 3,000
2-2232	Commissioner Creek at Toombsboro, Ga	Lat 32°50', long 83°05', Wilkinson County, at State Highway 112 (corrected) at Toombsboro	191	1928 or 1929, 1948, 1950-65	1928 or 1929e, 11- -48e 3- 6-52 3- 1-53 5-25-57 4- 4-60 2-25-61 2-22-62 5- -63 4- 6-64 12-26-64	e 19 5 e 17 5 c 18 0 c 16 6 c 17 0 19 0 18 7 17 4 19 8 17 9	- e 7,510 e 3,710 c 4,510 c 2,310 c 2,910 6,410 5,840 3,550 8,170 4,350
2-2245	Oconee River at Mount Vernon, Ga	Lat 32°12', long 82°38', Montgomery County, at U S Highway 280, 2 miles west of Mount Vernon and at mile 29 7 (gage heights furnished by U S Weather Bureau)	a 5,110	1936, 1938-55*, 1956-65	3-25-56 4- 3-57 3-13-58 6-11-59 4- 7-60 3- 3-61 3-18-62 7- 6-63 4-14-64 1- 2-65	16 1 14 0 17 2 16 2 19 8 21 8 16 5 18 2 20 8 19 5	e 20,800 e 13,800 e 26,000 e 21,200 e 42,800 e 58,800 33,900 31,900 50,400 40,600
* 2-2251	Cobb Creek near Lyons, Ga	Lat 32°02', long 82°23', Toombs County, at State Highway 56, 1½ miles north-east of Cedar Crossing and 13 miles east of Lyons	a 69	1951-65	4-16-61 4- 1-62 6-24-63 2-20-64 2-18-65	4 59 4 12 4 33 6 41 6 33	595 425 508 1,400 1,350
2-2251 5	Ochoopee River near Wrightsville, Ga	Lat 32°44', long 82°46', Johnson County, at U S Highway 319, 2 5 miles west of Wrightsville	a 55	1963-65	2-12-63 4- 6-64 2-18-65	7 64 8 19 7 60	1,020 1,350 1,000

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Altamaha River basin--Continued							
2-2252	Little Ochoopee River near Wrightsville, Ga	Lat 32°47', long 82°33', Johnson County, at U S Highway 319, 10 miles northeast of Wrightsville	a 63	1951-65	6-14-51 3-24-52 3-1-53 1-18-54 4-14-55 2-7-56 4-6-57 3-10-58 3-6-59 4-5-60e 4-16-61 3-12-62 2-12-63 4-6-64 2-18-65	5 27 7 06 7 50 5 87 6 66 6 69 7 65 6 89 7 57 e 8 44 9 28 8 82 7 10 7 50 7 72	c 216 c 876 c 1,140 c 396 c 1,240 c 775 c 1,240 c 775 c 1,180 - - - 900 1,140 1,280
* 2-2253	Ochoopee River near Oak Park, Ga	Lat 32°23', long 82°19', Emanuel County, at U S Highway 1, 2½ miles north of Oak Park	a 620	1951-65	4-17-61 3-13-62 1-20-63 3-4-64 2-19-65	11 60 11 14 8 98 10 34 11 7	9,900 8,400 3,600 6,150 10,300
Satilla River basin							
* 2-2262	Satilla River near Douglas, Ga	Lat 31°25', long 82°51', Coffee County, at U S Highway 441, 6½ miles south of Douglas	a 235	1948, 1951-65	4- -48e 4-16-61 4-1-62 7-9-63 3-2-64 12-5-64	e 15 4 9 60 6 47 6 41 8 81 10 7	- 4,680 1,860 1,520 3,740 6,160
2-2263	Satilla River near Pearson, Ga	Lat 31°20', long 82°46', Atkinson County, at State Highway 64, 6 miles northeast of Pearson	355	1948, 1953-65	4- -48e 4-16-61 4-2-62 7-9-63 3-2-64 12-5-64	e 20 6 13 71 - 14 23 15 98 18 0	- 3,740 d 2,300 4,380 7,100 11,500
* 2-2271	Little Hurricane Creek near Alma, Ga	Lat 31°30', long 82°32', Bacon County, at State Highway 64, 5 miles southwest of Alma	a 61	1948-62	4- -48e 4-15-61 4-1-62	e 10 0 6 38 5 66	- 1,500 800
* 2-2272	Little Hurricane Creek below Alma, Ga	Lat 31°23', long 82°26', Bacon County, at State Highway 4, 8½ miles south of Alma	111	1948-65	4- -48e 8- -48e 4-15-61 4-1-62 7-9-63 3-2-64 12-5-64	e 11 0 e 8 70 9 28 6 32 5 54 8 10 8 91	- e 4,090 5,140 1,120 630 3,150 4,430
* 2-2274	Big Satilla Creek near Alma, Ga	Lat 31°39', long 82°26', Bacon County, at State Highway 4, 8½ miles north of Alma	112	1948-65	4- -48e 4-16-61 4-1-62 6-26-63 3-2-64 12-5-64	e 13 8 6 87 4 64 4 54 5 40 7 4	e 12,000 2,780 1,100 1,040 1,670 3,450
* 2-2274 3	Little Satilla Creek at Odum, Ga	Lat 31°40', long 82°03', Wayne County, at State Highway 27 at Odum, 10 miles northwest of Jesup	a 49	1949-65	11- -48e 4-16-61 7-19-62 6-26-63 8-31-64 2-18-65	e 9 0 7 19 5 38 5 44 7 14 7 59	- 2,300 492 519 2,210 2,900
* 2-2274 7	Little Satilla Creek near Jesup, Ga	Lat 31°34', long 81°59', Wayne County, at State Highway 99, 7 miles southwest of Jesup	a 83	1949-65	11- -48e 4-16-61 4-1-62 6-26-63 3-5-64 12-7-64	e 11 8 8 67 7 53 7 09 8 43 8 90	- 1,820 895 620 1,640 2,070
St Marys River basin							
* 2-2310 5	Deep Creek near Baldwin, Fla	NW¼ sec 29, T 2 S, R 23 E, Nassau County, at bridge on U S Highway 90, 3 2 miles west of Baldwin, Duval County, and 5 miles upstream from mouth	29 9	1964-65	9-11-64 9-29-65	g 72 02 70 02	3,040 670
2-2311	St Marys River near St George, Ga	SW¼ sec 4, T 1 N, R 23 E, Nassau County, Fla, at bridge on State Highway 2 (Georgia State Highway 94), 1 1 miles east of St George, Charlton County, Ga	h 900	1964-65	9-15-64 8-18-65	1 42 43 32 70	26,700 5,140
* 2-2311 5	Little Dunn Creek near Boulogne, Fla	SW¼ sec 34, T 4 N, R 23 E, at culvert on State Highway 121, 3 miles upstream from mouth and 4 2 miles southwest of Boulogne, Nassau County	7 07	1964-65	9-12-64 9-28-65	g 47 00 44 76	740 154
* 2-2312 3	Pigeon Creek at Boulogne, Fla	Land grant 41, T 4 N, R 23 E, at bridge on U S Highway 1, 1 mile southeast of Boulogne, Nassau County, and 1 9 miles upstream from mouth	7 87	1964-65	9-10-64 8-16-65	g 23 54 22 89	- 293
2-2312 5	Little St Marys River near Hilliard, Fla	SE¼ sec 27, T 4 N, R 24 E, at bridge on State Highway 115A, 3 3 miles northeast of Hilliard, Nassau County	20 8	1961-64	4-16-61 4-1-62 6-26-63 9-13-64	6 02 6 03 5 12 7 40	762 768 363 2,150

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Coastal basins between St Marys River and St Johns River							
* 2-2312 6	Boggy Swamp near Hilliard, Fla	NW $\frac{1}{4}$ sec 36, T 3 N, R 24 E, at bridge on U S Highway 1, 2 3 miles upstream from Little Boggy Swamp and 4 8 miles southeast of Hilliard, Nassau County	21 4	1964-65	9-10-64 9-28-65	g 18 90 17 89	1,000 336
* 2-2312 7	Mills Creek near Callahan, Fla	Land grant 47, T 2 N, R 25 E, at bridge on State Highway 200, a quarter of a mile upstream from Cushing Creek and 1 0 mile northeast of Callahan, Nassau County	26 3	1964-65	9-11-64 7- 7-65	g 10 03 8 04	1,780 461
* 2-2312 9	Lofton Creek near Yulee, Fla	Land grant 50, T 3 N, R 27 E, at bridge on U S Highway 17, 2 8 miles northwest of Yulee, Nassau County, and 3 2 miles upstream from McQueen Creek	10 4	1965	9-30-65	1 10 74	j 95 2
St Johns River basin							
* 2-2324 5	Jim Creek near Christmas, Fla	NE $\frac{1}{4}$ sec 1, T 24 S, R 33 E, at bridge on State Highway 520, 7 7 miles southeast of Christmas, Orange County	22 7	1960-65	1961 1962 9-25-63 11-10-63 1965	(r) (r) 5 79 8 09 (r)	<230 <234 875 2,540 <234
* 2-2331	Econlockhatchee River near Bithlo, Fla	NW $\frac{1}{4}$ sec 19, T 22 S, R 32 E, at bridge on State Highway 50, 3 0 miles northwest of Bithlo, Orange County	119	1960-64	9-18-61 9-21-62 9-26-63 9-12-64	16 79 14 04 15 97 17 88	2,870 810 2,120 4,050
2-2341 5	Cow Creek near Maytown, Fla	SE $\frac{1}{4}$ sec 16, T 19 S, R 33 E, at bridge on county road, 2 7 miles upstream from mouth, 4 2 miles northwest of Maytown, Volusia County, and 8 2 miles east of Osteen	a 23	1964-65	9-13-64 1965	g 17 33 (r)	1,070 <405
2-2352	Blackwater Creek near Cassia, Fla	SW $\frac{1}{4}$ sec 35, T 18 S, R 28 E, at bridge on county road, a quarter of a mile upstream from bridge on State highway 44 and 1 1 miles southwest of Cassia, Lake County	d 110	1962-65	9-23-62 3-11-63 9-13-64 8-11-65	8 19 7 50 9 06 8 20	263 152 506 265
2-2361 2	Deep Creek near Barberville, Fla	SW $\frac{1}{4}$ sec 27, T 15 S, R 29 E, at bridge on U S Highway 17, 2 1 miles upstream from mouth and 2 5 miles southeast of Barberville, Volusia County	a 23	1964-65	9-13-64 6-27-65	10 04 8 96	492 232
* c 2-2409 5	Hogtown Creek near Gainesville, Fla	Sec 2, T 10 S, R 19 E at bridge on Newberry Road, 2 2 miles west of Gainesville, Alachua County	15 6	1959-65	3-18-60 8-20-61 8-23-62 6-25-63 9-12-64 12-27-64	9 17 9 89 10 00 9 06 12 23 9 53	b 400 500 435 255 1,210 342
* 2-2419	Lochloosa Creek at Grove Park, Fla	Sec 30, T 10 S, R 22 E, at bridge on State Highway 20, 1 0 mile east of Grove Park, Alachua County	34 7	1958-65	10- 8-60 9- 8-62 3- 1-63 9-12-64 7-14-65	6 51 6 44 5 43 9 45 7 11	334 319 155 1,520 547
* 2-2438	Deep Creek near Rodman, Fla	NW $\frac{1}{4}$ sec 18, T 11 S, R 25 E, at bridge on State Highway 310, 2 7 miles upstream from mouth and 4 7 miles west of Rodman, Putnam County	54 3	1959-60, 1962-65	3-18-60 6-16-62 6-26-63 9-11-64 6-12-65	14 16 13 55 12 42 14 07 13 49	c 1,670 1,160 543 1,590 1,120
2-2444	Little Haw Creek at State Highway 11, near Bunnell, Fla	SE $\frac{1}{4}$ sec 23, T 14 S, R 29 E, at bridge on State Highway 11, 4 8 miles upstream from Lake Diston, 12 9 miles upstream from mouth, and 14 4 miles southwest of Bunnell, Flagler County	d 40	1964-65	9-14-64 10-16-64	g 28 2 27 09	780 397
* 2-2454	South Fork Black Creek near Camp Blanding, Fla	On line between secs 27 and 28, T 6 S, R 24 E, at bridge on State Highway 21, 6 miles southeast of main entrance to Camp Blanding, Clay County, and 13 5 miles west of Green Cove Springs	34 8	1958-60*, 1961-65	10- 7-60 1962 8- 9-63 9-19-64 7-29-65	7 32 (r) 6 35 7 85 7 08	614 <196 325 780 513
* 2-2454 7	Greens Creek near Penney Farms, Fla	SW $\frac{1}{4}$ sec 3, T 7 S, R 25 E, at bridge on county road, 5 miles south of Penney Farms, Clay County, and 7 8 miles southwest of Green Cove Springs	14 9	1958-65	4-15-58 9-11-60 8-26-61 8- 5-62 9-27-63 9-10-64 7-29-65	4 23 6 00 3 97 3 27 4 23 5 85 3 45	e 502 1,360 410 210 502 1,270 258
* 2-2458 5	Long Branch at Maxville, Fla	On line between secs 29 and 32, T 3 S, R 23 E, at culvert on State Highway 228, 0 3 mile west of Maxville, Duval County, and 5 5 miles upstream from mouth	2 98	1965	8-17-65	86 93	-

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
St. Johns River basin--Continued							
* 2-2459	Yellow Water Creek near Maxville, Fla	NE½ sec 20, T 3 S, R 24 E, at bridge on State Highway 228, 5.8 miles northeast of Maxville, Duval County	25.7	1958-65	4-11-58 5-21-59 3-18-60 8-26-61 8-7-62 6-26-63 5-3-64 8-16-65	8.56 8.37 8.26 8.33 8.27 8.64 10.55 9.05	c 956 c 842 c 784 819 788 1,000 3,220 1,500
2-2461	Big Davis Creek at Bayard, Fla	Land grant 37, T 4 S, R 28 E, at culvert on U.S. Highway 1, 0.8 mile northwest of Bayard, Duval County, and 2.0 miles upstream from mouth	13.6	1964-65	9-10-64 2-25-65	g10.05 7.21	1,040 97
2-2462	Durbin Creek near Durbin, Fla	NE½ sec 6, T 5 S, R 28 E, at bridge on county road, 1.0 mile downstream from Bowen Branch and 4.9 miles northwest of Durbin, St. Johns County	36.7	1961-65	8-27-61 9-25-62 9-26-63 9-11-64 6-18-65	5.29 5.36 5.45 11.98 7.36	290 330 332 4,140 903
2-2464	Wills Branch near Marietta, Fla	On line between secs 26 and 35, T 2 S, R 25 E, at bridge on State Highway 213, 1.4 miles upstream from mouth and 2.3 miles southeast of Marietta, Duval County	7.04	1964-65	9-10-64 9-28-65	g10.58 5.20	791 198
2-2465	Pottsburg Creek near South Jacksonville, Fla	Land grant 56, T 3 S, R 27 E, at bridge on Bowden Road, 0.14 mile downstream from Bennett Branch and ½ miles southeast of South Jacksonville, Duval County	9.89	1964-65	9-10-64 2-25-65	g10.09 5.08	- 156
2-2466	Trout River at Dinsmore, Fla	NE½ sec 11, T 1 S, R 25 E, at bridge on Kings Road at Dinsmore, Duval County	19.9	1961-65	8-19-61 8-3-62 9-29-63 9-11-64 7-7-65	5.73 5.08 7.18 7.82 6.12	- - - 646 361
2-2466	Sixmile Creek near Marietta, Fla	Land grant 38, T 1 S, R 26 E, at bridge on Kings Road, 0.4 mile upstream from beginning of Ribault River, 0.9 mile upstream from Little Sixmile Creek, and 4.3 miles northeast of Marietta, Duval County	19.0	1964-65	9-10-64 2-14-65	g 8.63 7.17	909 544
* 2-2467	Little Sixmile Creek near Marietta, Fla	Land grant 53, T 2 S, R 26 E, at bridge on Kings Road, 0.6 mile upstream from mouth and 4.3 miles northeast of Marietta, Duval County	3.35	1965	7-7-65	7.14	221
2-2467	Cedar Creek near Panama Park, Fla	SW¼ sec 35, T 1 N, R 26 E, at bridge on State Highway 111, 1.2 miles upstream from Pickett Branch and 5.2 miles north of Panama Park, Duval County	12.0	1964-65	9-10-64 9-28-65	g 5.67 5.91	239 282
2-2468	Dunn Creek near Eastport, Fla	Land grant 37, T 1 N, R 27 E, at bridge on New Berlin Road, 3.3 miles north of Eastport, Duval County, and 3.7 miles upstream from Rushing Branch	4.86	1964-65	9-10-64 1965	gm6.04 (f)	- -
Coastal basins between St. Johns River, and Lake Okeechobee and the Everglades							
2-2472	Fish Swamp Outlet near Summer Haven, Fla	SE¼ sec 1, T 10 S, R 29 E, at culvert on State Highway 204, 7.7 miles southwest of Summer Haven, St. Johns County	4.86	1962-65	9-22-62 9-23-63 9-10-64 1-5-65 8-10-65	4.45 5.66 5.58 3.92 3.92	200 638 n 357 111 111
2-2476	Little Tomoka River near Ormond Beach, Fla	SW¼ sec 27, T 14 S, R 31 E, at bridge on county road, 0.3 mile upstream from Hull Cypress Swamp Outlet and 7.0 miles west of Ormond Beach, Volusia County	1.10	1962-65	9-24-62 9-25-63 9-10-64 10-15-64	3.26 3.56 5.09 3.80	74 100 392 200
2-2510	South Prong Sebastian Creek near Sebastian, Fla	SW¼ sec 28, T 31 S, R 38 E, at bridge on State Highway 512, 4 miles southwest of Sebastian, Indian River County	-	1965	1965	(f)	-
2-2536	Moore Creek at Port Pierce, Fla	NW¼ sec 10, T 35 S, R 40 E, 0.2 mile north of U.S. Highway 1 and State Highway 68 intersection at Port Pierce, St. Lucie County, and 0.2 mile upstream from mouth	-	1965	9-7-65	o 3.52	-
Lake Okeechobee and the Everglades basins							
* 2-2637	Shingle Creek near Vineland, Fla	SW¼ sec 8, T 24 S, R 29 E, at bridge on Telford-Vineland Road, 4.4 miles northeast of Vineland, Orange County	c 48.0	1960-64	3-17-60 7-12-61 9-21-62 9-25-63 9-13-64	12.61 9.71 10.40 10.04 11.00	c 1,840 260 410 333 536

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Lake Okeechobee and the Everglades basin--Continued							
2-2663	Reedy Creek near Vineland, Fla	On line between secs 2 and 11, T 25 S, R 27 E, at bridge on State Highway 530, 6½ miles southwest of Vineland, Orange County	a 75	1960, 1962-65	9-11-60e 9-23-62 9-24-63 7-27-64 9-10-64c (p)	g 14 9 g 11 3 12 95 14 03 13 13 11 85	e 1,910 140 688 1,300 c 775 <275
2-2930 5	Orange River at Buckingham, near Fort Myers, Fla	NE¼ sec 8, T 44 S, R 26 E, at bridge on Buckingham Road, 0 3 mile south of Buckingham, 2 5 miles south of State Highway 80, and 9 miles east of Fort Myers, Lee County	a 70	1960-65	9-11-60 8-27-61 9-21-62 9-24-63 9-6-64 1965	11 28 7 14 12 43 7 54 7 42 (f)	e 1,630 427 2,180 546 529 <303
Coastal basins between Lake Okeechobee and the Everglades and Peace River							
2-2934	Alligator Creek near Punta Gorda, Fla	NE¼ sec 28, T 41 S, R 23 E, at bridge on State Highway 765A, 4 0 miles southeast of Punta Gorda, Charlotte County, and about 5 5 miles upstream from mouth	31 1	1960-65	9-11-60e 8-27-61 9-21-62 6-7-63 2-7-64 1965	e 7 87 5 80 11 30 5 99 6 01 (f)	e 1,660 620 3,370 715 725 <375
Myakka River basin							
2-2995 5	Myakka River near Venice, Fla	SW¼ sec 31, T 38 S, R 20 E, at bridge on county road, three-quarters of a mile upstream from Blackburn Canal and 6 miles northeast of post office in Venice, Sarasota County	a 270	1962-65	9-21-62 9-28-63 9-11-64 8-3-65	g 11 2 5 11 1 1 90 3 30	- 2,290 1,600
* 2-2996	Big Slough Canal near Myakka City, Fla	On line between secs 6 and 7, T 38 S, R 22 E, Sarasota County, at bridges on State Highway 72, 11 miles south of Myakka, Manatee County	q 53 0	1962-65	9-21-62 9-25-63 9-10-64 7-15-65	1 9 39 7 34 7 50 7 86	2,480 542 670 974
Coastal basins between Myakka River and Alafia River							
* 2-2997 2	Cow Pen Slough near Laurel, Fla	Sec 15, T 38 S, R 19 E, at bridge on private road, 4½ miles northeast of Laurel, Sarasota County	a 56	1963-65	8-29-65	16 22	811
2-2998	Phillippi Creek at Sarasota, Fla	SE¼ sec 28, T 36 S, R 18 E, at bridge on Bahia Vista Street, Sarasota, Sarasota County, 1 5 miles east of U S Highway 41 and about 5 miles upstream from mouth	a 45	1960-65	9-11-60e 2-7-61 9-21-62 2-12-63 2-5-64 1965	e 11 48 4 70 g 14 2 5 20 5 18 (f)	e 4,240 800 6,740 920 912 <409
2-3002	South Fork Little Manatee River near Duette, Fla	SW¼ sec 23, T 33 S, R 21 E, at bridge on county road, 0 5 mile upstream from Graveyard Creek and 3 7 miles west of Duette, Manatee County	a 9 4	1960-65	9-11-60e 2-8-61 9-21-62 9-24-63 1-13-64 7-21-65	e 6 96 2 43 6 23 4 08 3 04 3 37	- - 875 398 167 240
* 2-3007	Bullfrog Creek near Wimauma, Fla	SE¼ sec 12, T 31 S, R 19 E, at bridge on State Highway 672S, 6 miles northwest of Wimauma, Hillsborough County	29 1	1957-58, 1959-65	1961 9-21-62 9-24-63 1-13-64 8-1-65	(f) 29 82 27 32 30 31 4 88	<280 - - - -
Hillsborough River basin							
* 2-3032	Pemberton Creek near Dover, Fla	SE¼ sec 19, T 28 S, R 21 E, at bridge on county road, 1 8 miles upstream from Baker Creek and 2½ miles northwest of Dover, Hillsborough County	a 24	1957-58, 1959-65	1961 6-23-62 8-22-63 1-13-64 8-13-65	(f) 4 37 2 94 3 02 4 88	<100 - - - -
2-3033 5	Trout Creek near Sulphur Springs, Fla	S¼ sec 13, T 27 S, R 19 E, at bridge on State Highway 581, 9 0 miles northeast of Sulphur Springs, Hillsborough County	a 23	1964-65	9-14-64 8-13-65	42 06 41 55	1,010 780
2-3034 2	Cypress Creek at Worthington Gardens, Fla	On line between secs 27 and 28, T 25 S, R 19 E, at abandoned bridge on old State Highway 54, 0 2 mile southwest of Worthington Gardens, Pasco County, and 4 4 miles northeast of Lutz	117	1964-65	9-13-64 8-1-65	52 28 52 42	1,240 1,310
Coastal basins between Hillsborough River and Withlacoochee River							
2-3102 8	Pithlachascotee River near Pivay Junction, Fla	NE¼ sec 7, T 25 S, R 18 E, 30 ft downstream from bridge on State Highway 52, 1 2 miles west of Pivay Junction, Pasco County, and 10 6 miles east of Hudson	150	1964-65	9-11-64 7-31-65	53 90 53 03	273 122
Withlacoochee River basin							
2-3115	Withlacoochee River near Dade City, Fla	SE¼ sec 32, T 24 S, R 22 E, at Lanier Bridge on county road, 4 miles east of Dade City, Pasco County	ac390	1930-33, 1959-62	9-7-61 9-24-62	8 36 9 27	r 302 560

## CREST-STAGE PARTIAL-RECORD STATIONS

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Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Waccasassa River basin							
2-3134	Waccasassa River near Bronson, Fla	On line between sec 33, T 11 S, and sec 4, T 12 S, R 16 E, at bridge on U S Highway Alternate 27, 2.5 miles upstream from Little Waccasassa River and 5 miles north-west of Bronson, Levy County	a 150	1961-65	8-13-61 1962 9-25-63 9-12-64 9-28-65	4 71 (s) (s) 5 49 4 97	- - - 1,090 511
Suwannee River basin							
* 2-3146	Suwannee Creek at DuPont, Ga	Lat 30°59', long 82°53', Clinch County, at U S Highway 84 at DuPont	143	1930, 1948, 1952-65	10- -29e 4- -48e 1- -54e 4-16-61 4-1-62 1-21-63 9-15-64 3-21-65	e 11 2 e 7 7 e 5 92 7 88 6 85 5 57 7 52 7 37	- - e 1,150 e 285 1,300 675 725 1,100 1,050
2-3147	Suwannee Creek near Thelma, Ga	Lat 30°49', long 82°51', Clinch County, at State Highway 187, 1½ miles west of Thelma	232	1929, 1963-65	1929e, 2-26-63 5- 9-64 3-20-65	e 11 8 5 82 7 22 7 31	- - - -
* 2-3157	Alapaha River at Rebecca, Ga	Lat 31°49', long 82°28', Ben Hill County, at State Highway 90, 1 mile east of Rebecca	112	1951-65	4-16-61 4-1-62 7-24-63 7-18-64 2-18-65	5 34 4 07 4 24 6 44 5 05	2,000 855 975 3,260 1,650
* 2-3159	Deep Creek near Ashburn, Ga	Lat 31°44', long 83°35', Turner County, at State Highway 112, 4½ miles east of Ashburn	137	1951-65	4-16-61 4-1-62 6-25-63 2-18-64 2-18-65	12 31 9 08 10 47 13 38 11 0	2,940 725 1,500 4,520 1,650
2-3159 8	Alapaha River tributary near Ocilla, Ga	Lat 31°34', long 83°21', Irwin County, at culvert on U S Highway 319, 7 miles west of Ocilla	a 1 2	1960-65	4- 5-60e 4-15-61 5- 1-62 6-24-63 2-18-64 3-28-65	e 3 12 4 05 - 2 54 - 2 18	e 188 307 d 47 117 d 100 80
* 2-3162	Willacoochee River near Ocilla, Ga	Lat 31°30', long 83°10', Irwin County, at State Highway 90, 8 miles southeast of Ocilla	a 90	1948, 1950-65	4- -48e 4-16-61 4-1-62 6-24-63 3- 8-64 2-20-65	e 11 9 9 99 6 28 6 46 7 61 6 75	- 4,050 830 950 2,010 1,190
* 2-3177	Withlacoochee River near Nashville, Ga	Lat 31°12', long 83°16', Berrien County, at State Highway 76, 1½ miles southwest of Nashville	132	1948, 1951-65	4- -48e 3- 8-59 4- 5-60 4-16-61 4-1-62 6-24-63 3- 4-64 12- 5-64	e 14 8 11 51 10 82 11 10 11 13 7 41 11 15 11 86	- c 4,350 c 3,460 3,850 1,460 390 3,980 4,830
2-3177 1	Withlacoochee River tributary near Nashville, Ga	Lat 31°12', long 83°17', Berrien County, at culvert on State Highway 76, 2½ miles southwest of Nashville	a 3	1960-65	4- 5-60 4-15-61 4-1-62 1-21-63 3- 3-64 12- 4-64	2 74 4 62 1 42 - 1 87 7 80	e 65 155 17 d 17 32 385
2-3177 3	New River tributary near Nashville, Ga	Lat 31°17', long 83°21', Berrien County, at culvert on State Highway 125, 9 miles northwest of Nashville	a 9	1960-65	4- 5-60 4-15-61 4-1-62 6-24-63 5- 2-64 12- 4-64	1 98 2 07 1 27 1 33 1 93 3 32	e 108 116 50 54 103 250
* 2-3178	Little River near Tifton, Ga	Lat 31°26', long 83°34', Tift County, at U S Highway 82, 3 miles west of Tifton	a 145	1951-65	4- 9-57 4-16-61 4-1-62 6-24-63 3- 5-64 2-17-65	7 32 9 89 6 96 7 81 8 62 8 20	c 1,080 3,630 740 1,800 2,950 1,790
* 2-3179	Ty Ty Creek at Ty Ty, Ga	Lat 31°28', long 83°40', Tift County, at U S Highway 82, 1 mile west of Ty Ty	a 47	1948, 1951-65	4- -48e 4-16-61 4-1-62 6-24-63 2-18-64 12-27-64	e 9 3 7 32 4 84 5 87 6 25 6 39	- 1,880 360 770 1,040 1,160
2-3179 1	Ty Ty Creek tributary at Crosland, Ga	Lat 31°19', long 83°38', Colquitt County, at culvert on U S Highway 319 at Crosland	a 1 6	1960-65	4- 5-60 4-16-61 4-1-62 2-12-63 4- 7-64 12- 4-64	3 72 5 12 - 1 83 3 40 4 05	e 242 400 - 81 210 273
2-3179 8	Little River near Sparks, Ga	Lat 31°11', long 83°31', Cook County, at proposed bridge on county highway, 5.5 miles west of Sparks	525	1962-65	4- 2-62 6-27-63 5- 4-64 3-30-65	10 39 11 61 11 86 11 92	- - - -



Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Suwannee River basin--Continued							
2-3180 2	Bull Creek tributary near Ellenton, Ga	Lat 31°10', long 83°38', Colquitt County, at culvert on State Highway 37, 3 miles west of Ellenton	a 0 2	1960-65	4- 5-60 4-15-61 4- 1-62 1-21-63 3-26-64 12- 4-64	3 76 5 63 - 2 43 3 17 4 51	e 97 181 d 18 47 74 123
2-3186	Okapilco Creek near Berlin, Ga	Lat 31°03', long 83°37', Colquitt County, on county road 1 mile south of Berlin	101	1963-65	12-26-62 5- 2-64 12- 5-64	10 43 10 85 13 32	2,150 2,620 7,500
2-3216	Olustee Creek near Lulu, Fla	SW 1/4 sec 36, T 4 S, R 18 E, at bridge on State Highway 100, 1 1/4 miles southeast of Lulu, Columbia County, and 7 1/4 miles upstream from Swift Creek	d 65	1964-65	9-13-64 8-16-65	g 19 62 14 48	- -
* 2-3217	Swift Creek near Lake Butler, Fla	Sec 16, T 5 S, R 19 E, at bridge on State Highway 100 at Guilford, 5 miles northwest of town of Lake Butler, Union County	a 27	1957-60*, 1961-65	8-20-61 1962 8-23-63 9-13-64 12-28-64	6 45 (r) 6 38 10 62 7 73	337 <138 323 1,880 646
* 2-3218	Olustee Creek near Providence, Fla	NW 1/4 sec 1, T 6 S, R 17 E, at bridge on State Highway 238, 1 1/5 miles west of Providence, Union County, 3 1/8 miles downstream from Swift Creek, and 6 1/5 miles upstream from mouth	a 150	1958-60*, 1964-65	9-13-64 12-28-64	g 69 4 63 74	- 4,040
Coastal basins between Steinhatchee River and Aucilla River							
2-3250	Penholloway River near Perry, Fla	SE 1/4 sec 6, T 5 S, R 7 E, at bridge on State Highway 356, 0 1/4 mile upstream from Spring Creek, 1 mile southwest of community of Hampton Springs, and 5 1/2 miles southwest of Perry, Taylor County	a c160	1965	1965	(r)	-
Aucilla River basin							
2-3262	Aucilla River near Boston, Ga	Lat 30°48'15", long 83°48'12", Thomas County, at bridge on State Highway 133, 1 1/2 miles south of Boston	a 61	1962-65	4- 1-62 1-22-63 5- 5-64 12- 5-64	6 44 5 26 8 96 10 57	- - - -
2-3262 5	Aucilla River near Aucilla, Fla	NW 1/4 sec 16, T 1 N, R 6 E, at bridge on U S Highway 90, 1 1/3 miles northeast of Aucilla, Jefferson County	345	1965	3- 3-65	78 13	-
2-3263	Little Aucilla River near Greenville, Fla	NW 1/4 sec 2, T 1 N, R 7 E, at bridge on State Highway 150, 4 1/2 miles northeast of Greenville, Madison County	90 7	1963-65	2-27-63 5- 6-64 3- 2-65	3 67 5 72 6 07	51 765 1,060
Coastal basins between Aucilla River and Ochlockonee River							
2-3267	Lloyd Creek at Lloyd, Fla	SE 1/4 sec 15, T 1 N, R 3 E, at bridge on State Highway 158, 0 8 mile east of Lloyd, Jefferson County	31 2	1961-65	2-23-61 4- 1-62 1-17-63 7-19-64 4-27-65	11 56 13 03 9 49 13 45 14 55	- - - - -
2-3268	Copeland Sink drain at Lloyd, Fla	On line between secs 15 and 22, T 1 N, R 3 E, at bridge on State Highway 158, 0 5 mile east of Lloyd, Jefferson County	285	1965	4-27-65	75 73	-
2-3270 5	Sopchoppy River near Arran, Fla	S 1/4 sec 9, T 3 S, R 3 W, at bridge on U S Forest Service Road 315, 1 3 miles downstream from unnamed tributary and 7 9 miles northwest of Arran, Wakulla County	48 2	1965	12- 4-64	58 38	-
Ochlockonee River basin							
* 2-3272	Ochlockonee River at Moultrie, Ga	Lat 31°11', long 83°48', Colquitt County, at State Highway 37 at Moultrie	a 96	1948, 1951-65	4- -48e 4-16-61 4- 1-62 1-22-63 3- 5-64 12- 5-64	e 15 5 9 50 6 72 7 45 7 72 8 24	- 3,250 680 1,030 1,180 1,650
* 2-3277	Barnetts Creek near Thomasville, Ga	Lat 30°54', long 84°05', Grady County, at county road 7 1/2 miles northwest of Thomasville	104	1951-65	3- 6-59 4-16-61 4- 1-62 1-21-63 5- 3-64 12- 5-64	16 8 16 6 14 08 13 11 19 04 20 4	c 8,880 8,460 3,580 2,360 14,100 17,700
* 2-3279	Wolf Creek near Whigham, Ga	Lat 33°54', long 84°17', Grady County, at U S Highway 84, 2 1/2 miles northeast of Whigham	a 19	1948, 1951-65	4- -48e 5- 7-56 4-16-61 4- 1-62 1-21-63 5- 2-64 12- 4-64	e 15 0 b 6 29 6 79 8 25 6 71 9 32 10 07	- b 410 - - - - -

Annual maximum discharge at crest-stage partial-record stations during water years 1961-65--Continued

Annual maximum discharge at cross-gage gaging record stations during water years 1961-65--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Ochlockonee River basin--Continued							
2-3296	Little River near Midway, Fla	In center of sec 3, T 1 N, R 3 W, at bridge on State Highway 268, 0.5 mile upstream from Monroe Creek and 3.7 miles west of Midway, Gadsden County	305	1965	12- 5-64	83.27	-
2-3300 5	Telogia Creek near Greensboro, Fla	NW 1/4 sec 22, T 2 N, R 5 W, at bridge on State Highway 274, 1.5 miles upstream from Tallahassee Creek and 1.2 miles southwest of Greensboro, Gadsden County	28.1	1965	4-27-65	96.86	-
Coastal basins between Ochlockonee River and Apalachicola River							
2-3302	New River at Vilas, Fla	Near center of sec 13, T 3 S, R 7 W, at bridge on State Highway 65, 0.3 mile west of Vilas, Liberty County	23.2	1961-65	4-17-61 4- 2-62 2-25-63 5- 4-64 10-16-64	4.60 5.05 4.21 5.09 5.36	333 524 212 543 675
2-3304	New River near Sumatra, Fla	SE 1/4 sec 16, T 5 S, R 6 W, at bridge on U.S. Forest Service Road 120, 1.8 miles downstream from Cat Branch and 8.2 miles east of Sumatra, Liberty County	157	1965	12- 7-64	24.68	-

\* Also a low-flow partial-record station

# Operated as a continuous-record gaging station

a Approximately

b Corrected

c Revised

d Estimated

e Not previously published

f Peak discharge did not reach bottom of gage

g From floodmarks

h Approximately, includes part of Okefenokee Swamp, which is indeterminate

i Observed

j Measurement near peak

k May have been higher

m Tidal

n Backwater conditions

o Hurricane tide

p July or August, temporary dike and culvert from April to September 1965 during bridge construction

q Including that of Mud Lake Slough

r Maximum peak discharge, maximum discharge during year at 0001 hours Oct 1 (gage height, 13.27 ft, discharge, 3,830 cfs)

s Uncertain, gage temporarily removed July 14, 1962, to July 30, 1963

Records of the water-surface elevation of many of the lakes in Florida have been collected by the Geological Survey under cooperative agreements with the Corps of Engineers and State, county, and municipal agencies. The completeness of these records varies from daily figures based on continuous-recorder graphs (or daily observations) to occasional figures based on observations every few days or weeks. The maximum and minimum elevations for each year are usually determined for each lake. Lake records are available in the files of the district office of the Geological Survey in Tallahassee, Fla.

## Lakes in Florida for which records are available

Station Number	Name	County	Surface Area	Records Available
2-2314	Blue Cypress Lake near Fellsmere	Indian River	10 2	1956-65
2-2321	Lake Washington near Eau Gallie	Brevard	6 72	1942-65
2-2323	Lake Poinsett near Cocoa	Brevard	6 71	1941-65
2-2334 5	Lake Corrine near Orlando	Orange	30	a 1943-64
2-2341 6	Lake Winnemissett near De Land	Volusia	26	1965
2-2343	Lake Maitland at Winter Park	Orange	71	1945-64
2-2344 5	Lake Dupont near Lake Helen	Volusia	4	1965
2-2344 99	Lake Monroe near Sanford	Seminole	13 7	1941-65
2-2348	Lake Silver near Orlando	Orange	11	1959-64
2-2351 5	Lake Dorr near		2 7	1965
2-2362	Lake Kerr near		4 0	a 1936-65
2-2362 5	Lake Lowery near		1 4	1960-65
2-2368 2	Lake Louisa at Clermont	Lake	5 72	1987-65
2-2368 4	Lake Minnehaha at Clermont	Lake	2 9	1945-65
2-2368 6	Lake Apshawa near Minneola	Lake	2	1953-65
2-2368 8	Cherry Lake near Groveland	Lake		1956-65
2-2375 2	Lake Harris at Leesburg	Lake	27	1956-65
2-2375 4	Johns Lake at Oakland	Orange	3 77	1959-65
2-2376	Lake Apopka at Winter Garden	Orange	47 9	1942-65
2-2376 6	Lake Francis near Plymouth	Orange	05	a 1959-65
2-2378	Lake Dora at Mount Dora	Lake	5 7	1942-65
2-2379	Lake Eustis at Eustis	Lake	11	1942-65
2-2382	Lake Yale at Grand Island.	Lake	6 2	1945-65
2-2383	Lake Griffin at Leesburg.	Lake	14	a 1936-65
2-2388	Lake Weir at	Marion	8 5	a 1936-65
2-2409	Newmans Lake	Alachua	9 2	a 1936-65
2-2409 8	Blyvans Arm near	Alachua		1965
2-2424	Lochloosa Lake at Lochloosa.	Alachua	10 3	1936-65
2-2424 5	Orange Lake at Orange Lake	Alachua	25 7	1942-65
2-2443 5	Lake Winona near De Land.	Volusia	23	1965
2-2443 7	Lake Hires near De Land.	Volusia	11	1965
2-2445 5	Blue Pond near Keystone Heights	Clay	31	1958-65
2-2446	Sand Hill Lake near Keystone Heights	Clay	1 95	1957-65
2-2446 5	Magnolia Lake near Keystone Heights	Clay	31	a 1958-65
2-2447	Loch Lommond near Keystone Heights	Clay	03	a 1959-65
2-2447 5	Brooklyn Lake near Keystone Heights	Clay	99	a 1957-65
2-2448	Lake Geneva at Keystone Heights	Clay	2 73	a 1957-65
2-2448 5	Pebble Lake near Keystone Heights	Clay	01	1945-65
2-2449	Lake Johnson near Keystone Heights (little lake)	Clay	05	1945-65
2-2449 05	Lake Johnson near Keystone Heights (big lake)	Clay	69	1959-65
2-2449 5	Lake Grandin near Interlachen.	Putnam	55	a 1957-65
2-2457	Kingsley Lake at Camp Blanding.	Clay	2 54	1945-65
2-2608	Alligator Lake near Ashten.	Osceola	5 31	1941-65
2-2619	Lake Mary Jane near Narcoossee	Osceola	1 81	1949-65
2-2622	Lake Hart near Narcoossee	Orange	2 88	1941-65
2-2627	Bass Lake near Orlando.	Orange	03	1959-64
2-2628	Lake Conway at Pine Castle	Orange	1 69	1952-65
2-2634	East Lake Tohopekaliga at St. Cloud.	Osceola.	18 7	1941-65
2-2639	Lake Butler at Windermere.	Orange	2 65	a 1933-65
2-2649	Lake Tohopekaliga at Kissimmee.	Osceola.	29 4	1942-65
2-2654	Lake Gentry near St. Cloud.	Osceola	2 81	1949-65
2-2666	Cypress Lake near St. Cloud.	Osceola.	6 38	1958-65
2-2666 5	Lake Marion near Haines City	Polk	4 64	a 1958-65
2-2669	Lake Pierce near Waverly	Polk	5 84	1947-65
2-2674	Lake Hatchineha near Lake Wales.	Polk.	10 4	1942-65
2-2682	Lake Wales at Lake Wales.	Polk	5	1965
2-2684	Lake Weohyakapka at Indian Lake Estates	Polk	11 8	a 1958-65
2-2686	Lake Rosalie near Lake Wales.	Polk	7 18	a 1941-61
2-2688	Lake Marian near Kenansville	Osceola.	8 95	1958-65
2-2689	Lake Kissimmee near Lake Wales.	Osceola.	54 2	1929-65
2-2692	Crooked Lake near Babson Park	Polk	8 65	1945-65
2-2693	Lake Clinch at Frostproof.	Polk.	1 87	1947-65
2-2694	Reedy Lake near Frostproof.	Polk.	5 4	1947-65
2-2696	Lake Arbuckle near Avon Park	Polk.	5 92	1941-65
2-2697 9	Lake Lotela near Avon Park	Highlands	1 24	1950-65
2-2698	Lake Jackson at Sebring	Highlands	74	1951-65
2-2705 5	Lake Josephine near De Soto City	Highlands	5 07	a 1945-65
2-2706 5	Lake Annie near Lake Placid	Highlands	1 94	a 1946-65
2-2707	Lake Placid near Lake Placid	Highlands	13	1951-65
2-2707 5	Lake Pearl at Lake Placid	Highlands	5 28	a 1945-65
2-2708 5	Lake Serina at Lake Placid	Highlands	1	1951-65
2-2709 5	Lake June-in-Winter near Lake Placid	Highlands	23	1951-65
2-2712	Lake Francis near Lake Placid	Highlands	5 72	1945-65
2-2715 4	Grassy Lake near Lake Placid	Highlands	83	1954-65
2-2715 6	Lake McCoy near Lake Placid	Highlands	8	1951-63
2-2715 8	Lake Huntley at Lake Placid	Highlands	08	1951-65
2-2716	Lake Clay near Lake Placid	Highlands	1 06	1951-63
2-2716 2	Lake Apthorp near Lake Placid	Highlands	56	1951-63
2-2717	Lake Istokpoga near De Soto City	Highlands	34	1955-60
2-2764	Lake Okeechobee		43	1936-65
2-2912	Lake Trafford near Immokalee	Collier	700 (b)	
2-2934 61	Lake Alfred at Lake Alfred	Polk	2 31	1941-65
2-2934 78	Lake Rochelle near Lake Alfred	Polk	1 15	1961-62
2-2935 45	Lake Otis at Winter Haven	Polk	91	1946-65
2-2936 6	Lake Hamilton near Lake Hamilton	Polk	22	1954-65
2-2937 74	Mountain Lake near Lake Wales	Polk	3 39	1945-65
2-2937 85	Lake Effie at Lake Wales	Polk	25	1945-65
2-2939 99	Lake Mariana near Auburndale	Polk	16	1965
			78	1946-65

## Lakes in Florida for which records are available--Continued

Station Number	Name	County	Surface Area	Records Available
2-2940 1	Lake Hartridge at Winter Haven	Polk	68	1946-65
2-2940 28	Deer Lake near Winter Haven	Polk	19	1946-65
2-2940 36	Lake Howard at Winter Haven	Polk	99	1946-65
2-2940 65	Lake Lulu near Eloise	Polk	48	1946-65
2-2942 59	Lake Parker at Lakeland	Polk	3 58	1949-65
2-2944 67	Lake Hancock near Highland City	Polk	7 10	a 1950-65
2-3009	Scott Lake near Lakeland	Polk	45	1953-65
2-3034 4	Lake Padgett near Lutz	Hillsborough	31	1965
2-3037	Lake Stemper near Lutz	Hillsborough	2	1946-65
2-3047	Lake Hobbs near Lutz	Hillsborough	1	1946-65
2-3052	Round Lake near Lutz	Hillsborough	01	1965
2-3062	Lake Magdelene near Lutz	Hillsborough	36	1946-65
2-3063	Bay Lake near Sulphur Springs	Hillsborough	06	1946-65
2-3066	Lake Carroll near Sulphur Springs	Hillsborough	29	a 1946-65
2-3068	Starvation Lake near Lutz	Hillsborough	08	1961-65
2-3072 27	Calm Lake near Odessa	Pasco	2	1965
2-3072 42	Keystone Lake near Odessa	Hillsborough	61	1946-65
2-3073 78	Church Lake near Citrus Park	Hillsborough	11	1957-65
2-3074 79	Lake Tarpon near Tarpon Springs	Pinellas	3 96	1945-65
2-3076 76	Alligator Lake at Safety Harbor	Pinellas	12	1948-65
2-3082 93	Lake Magglore at St. Petersburg	Pinellas	59	1965
2-3088 88	Seminole Lake near Largo	Pinellas	72	1950-65
2-3090 43	Walsingham Reservoir near Indian Rocks	Pinellas	006	1944-65
2-3090 58	Taylor Avenue Reservoir at Largo	Pinellas	02	1944-65
2-3101	Lake Dan near Odessa	Pasco	06	1965
2-3102 1	Horse Lake near Brooksville	Hernando	03	1965
2-3102 2	Neff Lake near Brooksville	Hernando	35	1965
2-3102 3	Lake Lola near San Antonio	Pasco	16	1965
2-3102 6	Crews Lake near Loxley	Pasco	1 17	1964-65
2-3102 9	Moon Lake near New Port Richey	Pasco	15	1965
2-3104	Hunters Lake near Aripaka	Hernando	47	1965
2-3105 2	Highland Lake near Brooksville	Hernando	08	1965
2-3106 8	Morrison Pond at Lecanto	Citrus	002	1965
2-3107 6	Lake Juliana near Polk City	Polk	1 44	1961-65
2-3107 8	Lake Mattie near Polk City	Polk	2 83	1960-62
2-3108 5	Lake Helene near Polk City	Polk	085	1961-65
2-3109 5	Lake Deeson near Lakeland	Polk	18	1965
2-3116	Clear Lake at San Antonio	Pasco	25	1965
2-3121	Spring Lake near Brooksville	Hernando	09	1965
2-3125 2	Lake Lindsey near Brooksville	Hernando	2 1	1965
2-3126 98	Lake Panasoffkee near Lake Panasoffkee	Sumter	6 97	1955-65
2-3128	Tsala Apopka Lake at Floral City	Citrus	30	1957-65
2-3129	Tsala Apopka Lake at Inverness	Citrus	30	1957-65
2-3129 5	Tsala Apopka Lake at Hernando	Citrus	30	a 1936-65
2-3132 2	Lake Rousseau near Dunnellon	Levy	6 5	1964-65
2-3206	Santa Fe Lake near Keystone Heights	Bradford	8 05	a 1957-65
2-3207 5	Lake Sampson near Starke	Bradford	3 24	1957-65
2-3213 2	Lake Butler at Lake Butler	Union	6	1957-65
2-3226	Alligator Lake at Lake City	Columbia	54	1965
2-3266	Lake Miccosukee near Miccosukee	Jefferson	9 86	1965
2-3270 3	Lake Bradford near Tallahassee	Leon	28	1954-65
2-3292	Lake Jackson near Tallahassee	Leon	6 25	1950-65
2-3299	Lake Talquin near Bloxham	Leon	10 7	(b)

a Incomplete or intermittent record

b Record published elsewhere in this report

## RECORDS AVAILABLE ON GAGE HEIGHTS OF STREAMS IN FLORIDA

Records of gage heights on streams in Florida have been collected by the Geological Survey in cooperation with other agencies at many sites other than those for which daily discharge has been computed and published, but generally such records are not published in Water-Supply Papers. Gage-height records are available in the files of the district office of the Geological Survey in Tallahassee, Florida.

## Streams in Florida for which gage-height records are available

Station Number	Name	County	Drainage Area	Records Available
2-2313	St. Johns Marsh near Fort Pierce	St. Lucie	-	1957-65
2-2313 5	St. Johns Headwaters near Vero Beach	Indian River	297	1942-65
2-2314 5	St. Johns Headwaters near Kenansville	Osceola	537	1942-65
2-2340	St. Johns River above Lake Harney	Seminole	2,043	1941-65
2-2341 8	Deep Creek diversion canal near Osteen	Volusia	-	1964-65
2-2395 5	St. Johns River near Sanford	Seminole	2,580	1941-65
2-2360 1	St. Johns River at St. Francis Landing, near De Land	Volusia	-	1934-65
2-2361	Alexander Springs Creek near Paisley	Lake	-	1959-65
2-2369 01	Palatka Lake River below Spillway near Groveland	Lake	160	1957-65
2-2380 01	Haines Creek below Burrell Dam at Lisbon	Lake	-	1957-65
2-2400	Oklawaha River near Conner	Marion	1,140	1963-65
2-2462 5	St. Johns River at U S Naval Air Station near Jacksonville	Duval	8,360	1945-65
2-2465 3	St. Johns River at U S Dredge Depot at Jacksonville	Duval	8,540	a 1945-65
2-2518	Indian River at Wabasso	Indian River	-	1940-65
2-2565 5	Fisheating Creek near Palmdale	Glades	-	1963-65
2-2695 01	St. Cloud Canal below S-59 near St. Cloud	Osceola	308	1963-65
2-2690 01	South Port Canal below S-61 near St. Cloud	Osceola	620	1963-65
2-2699 01	Kissimmee River at outlet of Lake Kissimmee	Polk	1,609	1929-64
2-2690 15	Kissimmee River near Indian Lake Estates	Polk	-	1962-65

## Streams in Florida for which gage-height records are available--Continued

Station Number	Name	County	Drainage Area	Records Available
2-2691	Kissimmee River at Port Kissimmee	Highlands	1,912	a 1941-65
2-2695 01	Reedy Creek below control near Frostproof	Polk	62 2	1963-65
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