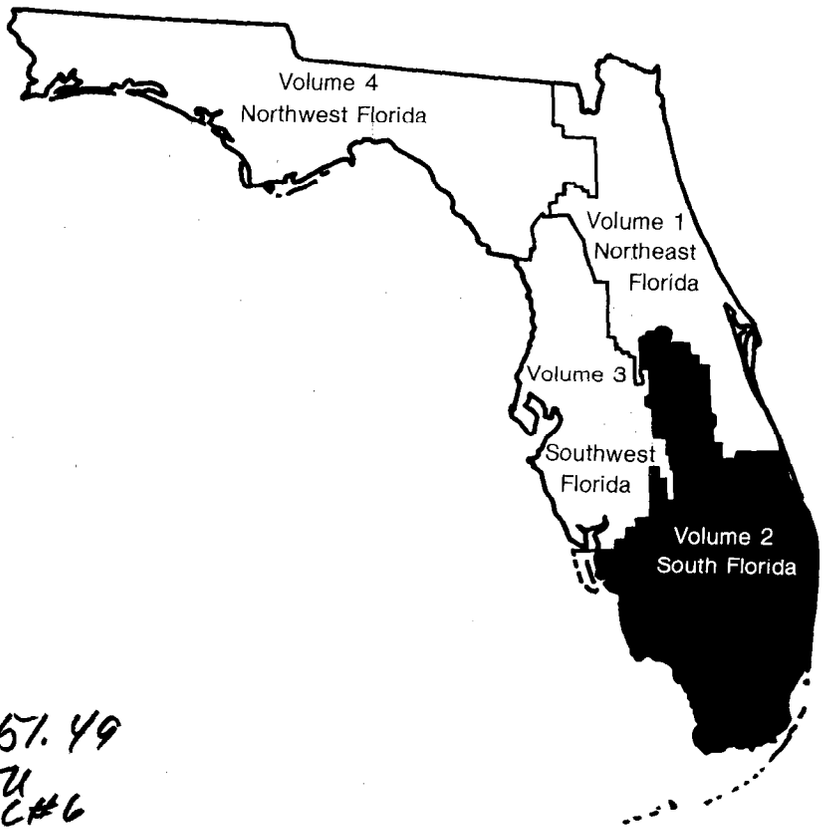
Water Resources Data Florida Water Year 1985

Volume 2A. South Florida Surface Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-85-2A
Prepared in cooperation with the State of Florida
and with other agencies

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

Water Resources Data Florida

Water Year 1985

Volume 2A. South Florida Surface Water

by W.J. Haire, C. Price, R.E. Curtis and C. Lietz

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-85-2A
Prepared in cooperation with the State of Florida
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

Prepared in cooperation with the
State of Florida
and with other agencies as listed
under cooperation

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1987

PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes:

Volume 1. Northeast Florida
Volume 2. South Florida
Volume 3. Southwest Florida
Volume 4. Northwest Florida

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by E. C. Price and L. M. Vazquez under the supervision of W. J. Haire. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data.

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M. J. Savarino

This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of I. H. Kantrowitz, District Chief, Florida.

Hydrologic data for South Florida are contained in two volumes:

Volume 2A: Surface Water
Volume 2B: Ground Water

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16. Abstract (Limit: 200 words)

Water resources data for the 1985 water year in Florida consists of continuous or daily discharge for 285 streams, periodic discharge for 38 streams, miscellaneous discharge for 110 streams, continuous or daily stage for 124 streams, periodic stage for 32 streams, peak discharge for 98 streams and peak stage for 87 streams; continuous or daily elevations for 89 lakes, periodic elevations for 82 lakes; continuous ground-water levels for 473 wells, periodic gound-water levels for 550 wells, and miscellaneous water level measurements for 2,588 wells; quality of water data for 239 surface-water sites and 699 wells.

The data for south Florida include continuous or daily discharge for 73 streams, periodic discharge for 3 streams, peak discharge for 2 streams, continuous or daily stage for 71 streams, periodic stage for 1 stream, peak discharge for 27 streams, and peak stage for 27 streams; continuous elevations for 14 lakes, and periodic elevations for 4 lakes; continuous ground-water levels for 198 wells, periodic ground-water levels for 136 wells, and miscellaneous water-level measurements for 521 wells; quality-of-water for 49 surface-water sites and 310 wells.

These data represent the National Water Data System records collected by the U.S. Geological Survey and cooperating local, state and federal agencies in Florida.

17. Document Analysis. a. Descriptors

*Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow rate, Gaging Stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations, Water wells

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

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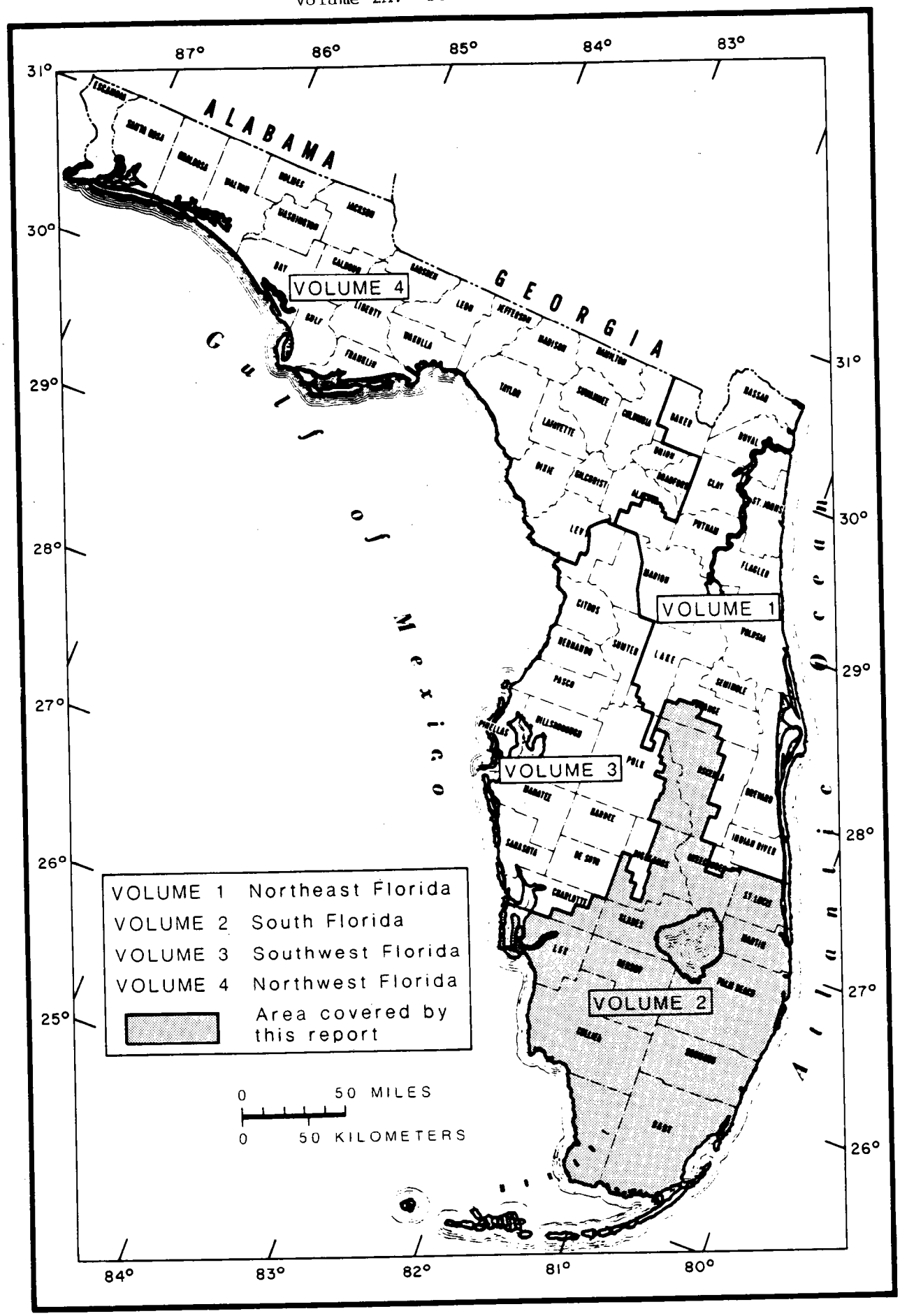


Figure 1. Geographic area covered by this report

CONTENTS

ILLUSTRATIONS

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED
[Letters after station names designate type of data: (d) discharge, (g) gage height, (b) biological, (q) quality, (e) elevation]

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State, County, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State.

The data for South Florida include continuous or daily discharge for 73 streams, periodic discharge for 3 streams, miscellaneous discharge for 2 streams, continuous or daily stage for 71 streams, periodic stage for 1 stream, peak discharge for 27 streams, and peak stage for 27 streams; continuous or daily elevations for 14 lakes, periodic elevations for 4 lakes; continuous ground-water levels for 198 wells, periodic ground-water levels for 136 wells, and miscellaneous water-level measurements for 521 wells; quality-of-water data for 49 surface-water sites and 310 wells.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2A and 2B." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-85-2A." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the Office Chief at the address given on the back of the title page or by telephone (305) 536-5382.

COOPERATION

The U.S. Geological Survey and agencies of the State of Florida have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

Big Cypress Basin Board
Broward County Environmental Quality Control Board
Broward County Utilities Division
City of Boca Raton
City of Cape Coral
City of Fort Lauderdale
City of Hallandale
City of Hollywood
City of Pompano Beach
City of Stuart
Corps of Engineers, U.S. Army
County of Brevard
County of Broward
County of Dade
County of Lake
County of Lee
County of Orange
County of Palm Beach
Florida Department of Environmental Regulation
Florida Department of Transportation
Florida Division of Parks and Recreation
Florida Keys Aquaduct Authority
Miami-Dade Water and Sewer Authority
National Aeronautics and Space Administration
National Park Service, U.S. Department of the Interior
Old Plantation Water Control District
Palm Beach County Solid Waste Authority
Reedy Creek Improvement District
South Dade Soil and Waste Conservation District
South Florida Water Management District
Southwest Florida Water Management District
Town of Highland Beach
U.S. Air Force
U.S. Environmental Protection Agency

Assistance with funds or services was given by the U.S. Army Corps of Engineers, Jacksonville District, in collecting records at hydrologic stations throughout the Subdistrict.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Lack of rainfall and inflow, and substantial irrigation releases caused Lake Okeechobee to decline steadily from above 16 ft in October to below 12 ft in June. Tropical Storm Bob, increased rainfall during July. The lake steadily increased back up to above 14 ft by the end of September, due to some back pumping, normal increase in rainfall, and inflows from the Kissimmee Basin. Two hurricanes, Elena in late August and Gloria during September, had very little effect on South Florida.

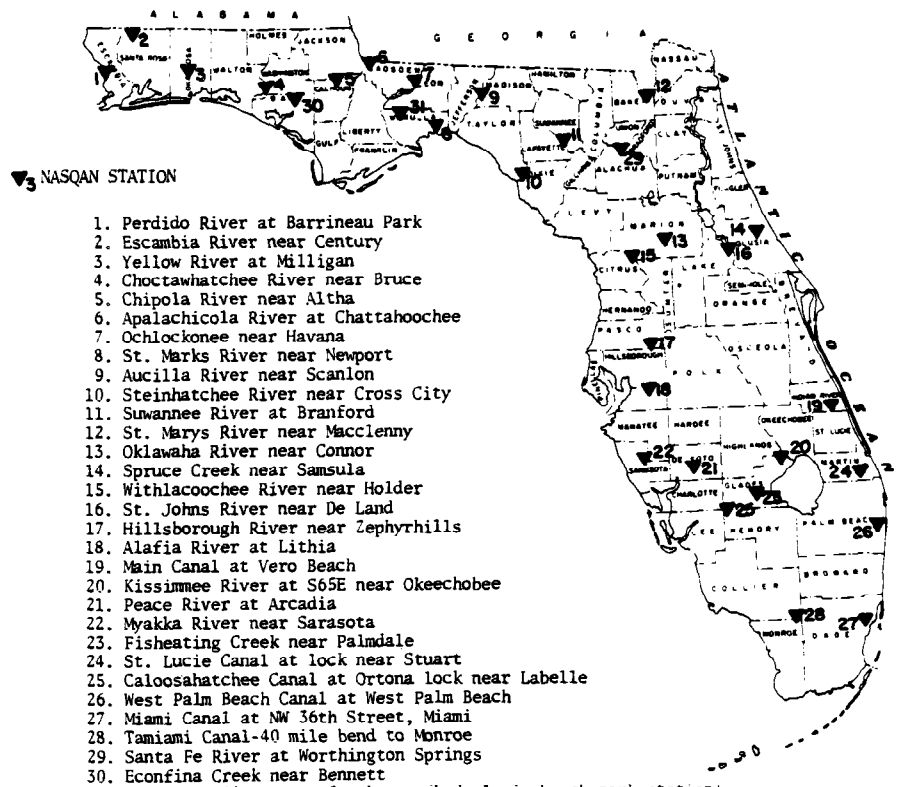
SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council.

The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research. The NASQAN stations in Florida are shown in figure 2.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.



1. Perdido River at Barrineau Park
2. Escambia River near Century
3. Yellow River at Milligan
4. Choctawhatchee River near Bruce
5. Chipola River near Altha
6. Apalachicola River at Chattahoochee
7. Ochlockonee near Havana
8. St. Marks River near Newport
9. Aucilla River near Scanlon
10. Steinhatchee River near Cross City
11. Suwannee River at Branford
12. St. Marys River near Macclenny
13. Oklawaha River near Connor
14. Spruce Creek near Samsula
15. Withlacoochee River near Holder
16. St. Johns River near De Land
17. Hillsborough River near Zephyrhills
18. Alafia River at Lithia
19. Main Canal at Vero Beach
20. Kissimmee River at S65E near Okeechobee
21. Peace River at Arcadia
22. Myakka River near Sarasota
23. Fisheating Creek near Palmdale
24. St. Lucie Canal at lock near Stuart
25. Caloosahatchee Canal at Ortona lock near Labelle
26. West Palm Beach Canal at West Palm Beach
27. Miami Canal at NW 36th Street, Miami
28. Tamiami Canal-40 mile bend to Monroe
29. Santa Fe River at Worthington Springs
30. Econfina Creek near Bennett
31. Sopchoppy River near Sopchoppy (hydrologic bench-mark station)

Figure 2. NASQAN stations in the State of Florida.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1985 water year that began October 1, 1984, and ended September 30, 1985. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous observations are made.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream 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 with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, 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 series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 02228500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6- to 12-digit downstream-order number "228500." The part number designates the major river basin; for example, part "02" is the South Atlantic Slope and eastern Gulf of Mexico basins.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure below.)

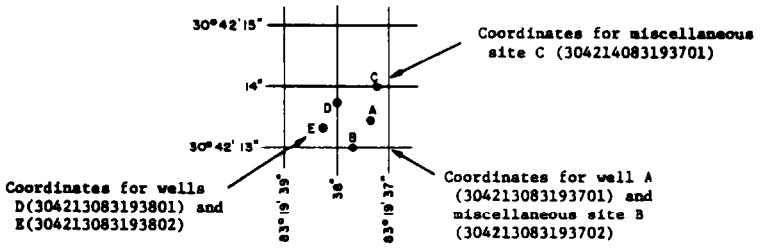


Figure 3. System for numbering wells and miscellaneous sites. (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevation, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a stage-recording device or daily or weekly observations, but need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records" or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Location of all complete-record and partial-record stations for which data are given in this report are shown in figures preceding each sub-basin.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily mean discharges.

Records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. 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 the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the 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 computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

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 daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location, period of record, average discharge, historical extremes, record accuracy, and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate base maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given.

DRAINAGE AREA.--Drainage areas are delineated and measured using the most accurate topographic maps available, and are updated as necessary.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted 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 most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see DEFINITION OF TERMS), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also is usually 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 there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records 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 measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 cubic foot per second; to the nearest tenth between 1.0 and 10 cubic feet per second; to whole numbers between 10 and 1,000 cubic feet per second; and to 3 significant figures for more than 1,000 cubic feet per second. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of 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 Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables is on file in the Miami and Orlando Subdistrict Office of the Florida District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the offices whose addresses are given on the back of the title page of this report.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where water-quality data are collected systematically over a period of years, usually less frequently than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records," as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station or a periodic observation station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, alkalinity, specific conductance, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For stations equipped with water-quality monitors, the records consist of daily mean values for each constituent measured and are based upon unit values (hourly or 15-minute recordings). These unit values may be obtained from the Orlando Subdistrict Office, 80 North Hughey Avenue, Suite 216, Orlando, Florida 32801 or the Miami Subdistrict Office, 9100 N.W. 36th Street, Suite 106 & 107, Miami, Florida 33178.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a recording or sampling device, which may be time- or event-activated, is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

Printed output	Remark
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
β	Biological organism estimated as dominant

Records of Ground-Water Levels

Ground-water level data from a statewide network of observation wells are published herein. The records include data from wells equipped with water-level recorders and data from wells where water levels are measured periodically.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table.

Water-level records are obtained from direct measurements with a steel tape, pressure gage, manometer, or from the graph or punched tape of a water-level recorder. The measurements in this report are given in feet above National Geodetic Vertical Datum of 1929 or in some tables as feet below land-surface datum. Land-surface datum is a datum plane that is approximately at land surface at each well. The elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on hourly, daily, weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with reference to National Geodetic Vertical Datum of 1929, and the dates of their occurrence.

A table of water levels follows the station description for each well. For wells equipped with recorders, only abbreviated tables are published; generally, daily maximums are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes slowly; therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality in the report area. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published immediately following the ground-water-level records of each county. Data for quality of ground water are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The Remark Codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the offices whose addresses are given on the back of the title page.

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C plus or minus 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5°C plus or minus 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square mile (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day (cubic feet per second per 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, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

CFSM (cubic feet per second per square mile) 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.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll *a* and *b* are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloro-platinate ion. Color is expressed in units of the platinum-cobalt scale.

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

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.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

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.

Cubic foot per second (ft^3/s or 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 or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45 um membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at 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 stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

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

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Partical-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation
Silt.....	.004 - .062	Sedimentation
Sand.....	.062 - 2.0	Sedimentation or sieve
Gravel.....	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Picocurie (PC, pCi) is one millionth of the amount of radioactivity represented by a micro-curie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegrations per minute.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

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

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0-.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is the part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1985, is called the "1985 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

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

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. WATER TEMPERATURE--INFLUENTIAL FACTORS, FIELD MEASUREMENT, AND DATA PRESENTATION, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. GUIDELINES FOR COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FOR SELECTED UNSTABLE CONSTITUENTS, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. APPLICATION OF SURFACE GEOPHYSICS TO GROUND-WATER INVESTIGATIONS, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. APPLICATION OF BOREHOLE GEOPHYSICS TO WATER-RESOURCES INVESTIGATIONS, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. GENERAL FIELD AND OFFICE PROCEDURES FOR INDIRECT DISCHARGE MEASUREMENTS, by M. A. Benson and Tate Dalrymple: USGS-TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. MEASUREMENT OF PEAK DISCHARGE BY THE SLOPE-AREA METHOD, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. MEASUREMENT OF PEAK DISCHARGE AT CULVERTS BY INDIRECT METHODS, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. MEASUREMENT OF PEAK DISCHARGE AT WIDTH CONTRACTIONS BY INDIRECT METHODS, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. MEASUREMENT OF PEAK DISCHARGE AT DAMS BY INDIRECT METHODS, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. GENERAL PROCEDURE FOR GAGING STREAMS, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. STAGE MEASUREMENTS AT GAGING STATIONS, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. DISCHARGE MEASUREMENTS AT GAGING STATIONS, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. MEASUREMENT OF TIME OF TRAVEL AND DISPERSION IN STREAMS BY DYE TRACING, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A10. DISCHARGE RATINGS AT GAGING STATIONS, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. MEASUREMENT OF DISCHARGE BY MOVING-BOAT METHOD, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A13. COMPUTATION OF CONTINUOUS RECORDS OF STREAMFLOW, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. USE OF FLUMES IN MEASURING DISCHARGE, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. COMPUTATION OF WATER-SURFACE PROFILES IN OPEN CHANNELS, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-B1. AQUIFER-TEST DESIGN, OBSERVATION, AND DATA ANALYSIS, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. INTRODUCTION TO GROUND-WATER HYDRAULICS, A PROGRAMED TEXT FOR SELF-INSTRUCTION, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. TYPE CURVES FOR SELECTED PROBLEMS OF FLOW TO WELLS IN CONFINED AQUIFERS, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. FLUVIAL SEDIMENT CONCEPTS, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. FIELD METHODS FOR MEASUREMENT OF FLUVIAL SEDIMENT, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. COMPUTATION OF FLUVIAL-SEDIMENT DISCHARGE, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. SOME STATISTICAL TOOLS IN HYDROLOGY, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. FREQUENCY CURVES, by H. C. Riggs: USGS-TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. LOW-FLOW INVESTIGATIONS, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. STORAGE ANALYSES FOR WATER SUPPLY, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. REGIONAL ANALYSES OF STREAMFLOW CHARACTERISTICS, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. COMPUTATION OF RATE AND VOLUME OF STREAM DEPLETION BY WELLS, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. METHODS FOR DETERMINATION OF INORGANIC SUBSTANCES IN WATER AND FLUVIAL SEDIMENTS, by M. W. Skougstad, and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. DETERMINATION OF MINOR ELEMENTS IN WATER BY EMISSION SPECTROSCOPY, by P. R. Barnett and E. C. Malloy Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. METHODS FOR ANALYSIS OF ORGANIC SUBSTANCES IN WATER, by D. F. Goerlitz and Eugene Brown: USGS-TWRI Book 5, Chapter A3. 1972. 40 pages.

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5-C1. LABORATORY THEORY AND METHODS FOR SEDIMENT ANALYSIS, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. FINITE DIFFERENCE MODEL FOR AQUIFER SIMULATION IN TWO DIMENSIONS WITH RESULTS OF NUMERICAL EXPERIMENTS, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

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STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

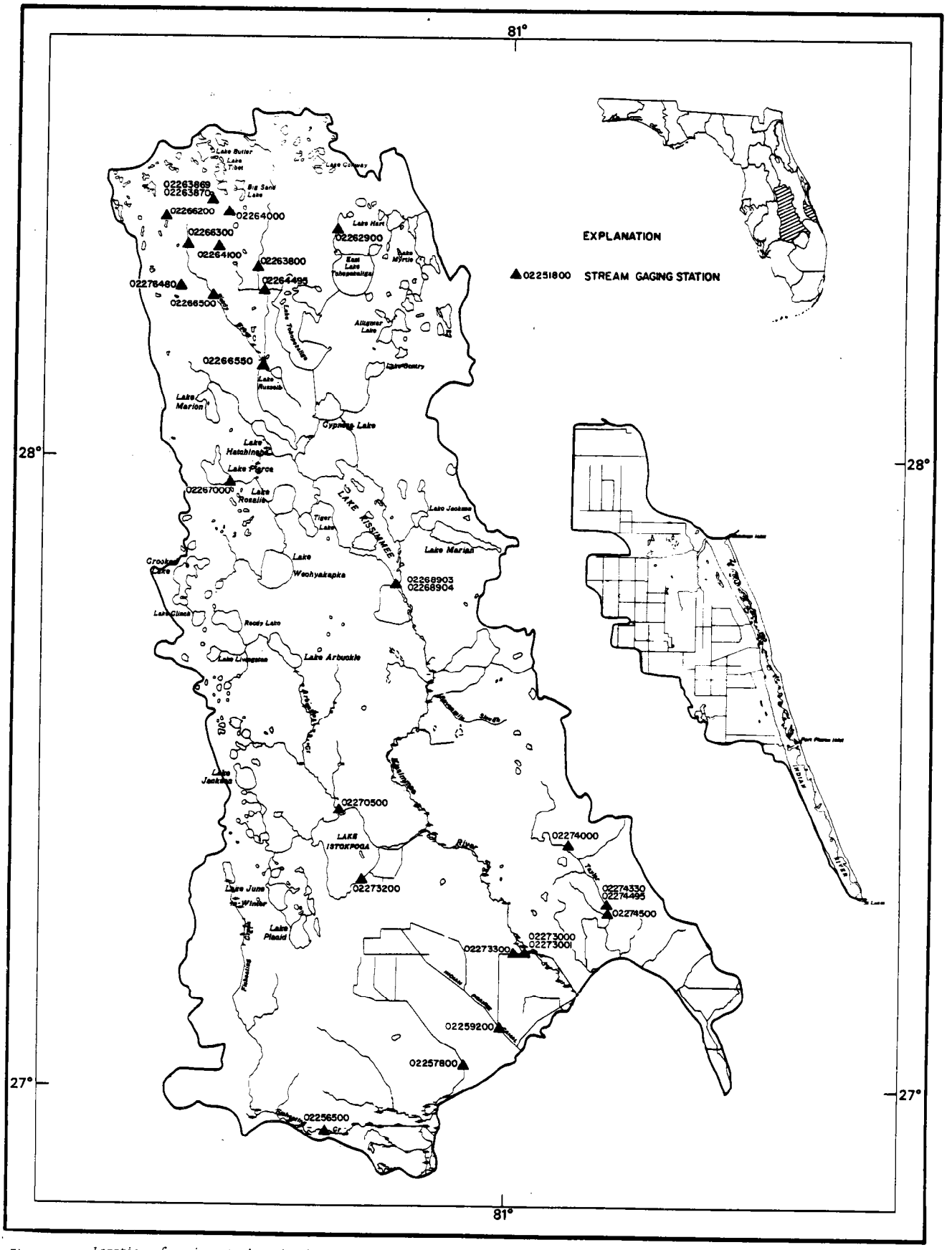


Figure 4. Location of gaging stations in the coastal area between Sebastion Inlet to the St. Lucie River, the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest

02256500 FISHEATING CREEK AT PALMDALE, FL
(National stream-quality accounting network station)

LOCATION.--Lat 26°55'56", long 81°18'54" in SW¼ sec.3, T.41 S., R.30 E., Glades County, Hydrologic Unit 03090103, near right bank on downstream side of southbound bridge on U.S. Highway 27, 1.0 mi south of Palmdale, and 16 mi upstream from Lake Okeechobee.

DRAINAGE AREA.--311 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 27.19 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 16, 1949, nonrecording gage and Mar. 16, 1949, to Jan. 23, 1956, water-stage recorder, at site 450 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records fair.

AVERAGE DISCHARGE.--54 years, 258 ft³/s, 11.27 in/yr, 186,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft³/s, Oct. 3, 1951, gage height, 12.44 ft, from rating curve extended above 21,000 ft³/s; no flow at times in most years; minimum gage height observed, -0.61 ft, June 13, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,500 ft³/s, Sept. 6, gage height, 6.05 ft, no other peak greater than base discharge of 1,500 ft³/s; no flow Mar. 12-20, Mar. 31 to Apr. 14, Apr. 26 to June 14; minimum gage height, -0.06 ft, June 11,12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	3.2	33	3.9	1.4	.66	.00	.00	.00	2.5	555	473
2	120	3.0	33	3.8	1.4	.60	.00	.00	.00	2.4	457	702
3	98	2.9	30	3.6	1.4	.47	.00	.00	.00	3.9	464	756
4	82	2.9	27	3.7	1.3	.37	.00	.00	.00	4.5	431	756
5	70	2.7	24	3.7	1.4	.30	.00	.00	.00	3.7	347	1030
6	61	2.5	21	3.6	1.4	.24	.00	.00	.00	3.4	284	1320
7	53	2.3	20	3.5	1.4	.17	.00	.00	.00	3.5	218	915
8	45	2.2	19	3.4	1.4	.13	.00	.00	.00	3.6	169	651
9	37	2.0	18	3.3	1.4	.09	.00	.00	.00	3.3	143	515
10	31	1.9	16	3.3	1.4	.05	.00	.00	.00	2.9	166	502
11	26	1.8	15	3.2	1.4	.01	.00	.00	.00	2.7	262	529
12	22	1.6	14	3.0	1.5	.00	.00	.00	.00	3.9	300	487
13	17	1.5	13	2.9	1.4	.00	.00	.00	.00	17	287	417
14	14	1.5	12	2.9	1.3	.00	.00	.00	.00	27	291	362
15	12	1.4	11	2.8	1.3	.00	.11	.00	.01	38	368	317
16	9.6	1.4	10	2.7	1.4	.00	.87	.00	.95	55	403	285
17	8.3	1.4	9.6	2.6	1.4	.00	1.4	.00	2.6	61	366	275
18	7.3	1.3	8.8	2.5	1.3	.00	1.5	.00	2.9	67	355	300
19	6.6	1.4	7.9	2.6	1.2	.00	1.5	.00	2.3	140	425	285
20	5.8	1.5	7.4	2.5	1.2	.00	1.3	.00	1.8	162	490	298
21	5.2	1.7	7.0	2.3	1.2	.11	.94	.00	1.5	220	546	308
22	4.7	5.2	6.6	2.2	1.1	.52	.62	.00	2.0	266	572	330
23	4.3	22	6.2	2.0	.99	.76	.43	.00	5.9	453	684	335
24	3.9	28	5.9	1.9	.90	.72	.29	.00	7.6	952	747	321
25	3.6	24	5.5	1.9	.81	.62	.12	.00	6.1	1090	786	328
26	3.5	24	5.2	1.9	.80	.50	.00	.00	4.8	973	743	367
27	3.9	29	5.0	1.7	.75	.36	.00	.00	5.2	845	651	393
28	5.0	35	4.7	1.7	.70	.26	.00	.00	4.8	775	553	395
29	4.6	37	4.5	1.6	---	.12	.00	.00	3.8	799	495	388
30	3.9	34	4.3	1.5	---	.03	.00	.00	3.0	658	461	398
31	3.5	---	4.1	1.5	---	.00	---	.00	---	566	413	---
TOTAL	915.7	280.3	408.7	83.7	34.55	7.09	9.08	.00	55.26	8204.3	13432	14738
MEAN	29.5	9.34	13.2	2.70	1.23	.23	.30	.00	1.84	265	433	491
MAX	144	37	33	3.9	1.5	.76	1.5	.00	7.6	1090	786	1320
MIN	3.5	1.3	4.1	1.5	.70	.00	.00	.00	.00	2.4	143	275
CFSM	.09	.03	.04	.01	.00	.00	.00	.00	.01	.85	1.39	1.58
IN.	.11	.03	.05	.01	.00	.00	.00	.00	.01	.98	1.61	1.76
AC-FT	1820	556	811	166	69	14	18	.00	110	16270	26640	29230

CAL YR 1984	TOTAL	158026.4	MEAN	432	MAX	6260	MIN	1.3	CFSM	1.39	IN.	18.90	AC-FT	313400
WTR YR 1985	TOTAL	38168.68	MEAN	105	MAX	1320	MIN	.00	CFSM	.34	IN.	4.57	AC-FT	75710

02256500 FISHEATING CREEK AT PALMDALE, FL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1964 to September 1975, January 1978 to current year.
WATER TEMPERATURE: July 1964 to September 1975, January 1978 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum observed (more than 20 percent missing record), 1,590 microsiemens June 5, 1975; minimum observed, 38 microsiemens Mar. 21, 1970.
WATER TEMPERATURE: Maximum observed, 33.0°C June 21, 1973; minimum observed, 8.0°C Jan. 8, 1970.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily mean, 311 microsiemens, June 5; minimum daily mean, 63 microsiemens, Sept. 6,7.
WATER TEMPERATURE: Maximum daily mean, 32.0°C May 31, June 1; minimum daily mean, 16.5°C, Jan. 18.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	155	251	268	257	224	225	221	303	---	---	98
2	131	157	284	268	261	209	224	228	304	---	---	86
3	131	159	300	272	256	217	225	229	307	---	---	78
4	135	157	306	247	253	226	225	230	307	---	---	70
5	140	160	306	241	251	228	226	232	311	---	---	68
6	137	159	294	246	250	216	242	236	300	---	---	63
7	141	168	285	264	243	205	247	244	281	---	---	63
8	146	180	275	264	241	203	226	246	268	---	---	75
9	149	185	269	264	238	205	222	247	254	183	---	79
10	148	175	267	255	244	206	223	250	242	184	---	83
11	147	167	261	260	242	207	224	249	232	184	---	87
12	144	172	256	260	242	208	224	251	214	181	---	90
13	146	176	256	262	242	213	222	252	213	169	---	92
14	147	179	257	262	241	215	224	246	---	162	---	93
15	145	175	252	261	244	216	228	247	---	155	---	94
16	148	174	260	264	248	218	215	248	---	184	---	95
17	149	174	232	263	250	218	216	251	---	204	---	96
18	146	178	227	260	250	220	212	253	---	220	---	97
19	147	179	230	259	252	219	209	240	---	---	---	98
20	146	179	233	258	254	219	208	242	---	---	---	92
21	145	194	231	246	256	217	205	241	---	---	---	91
22	146	180	232	232	262	211	201	238	---	---	---	91
23	153	168	228	232	263	222	198	239	---	---	---	90
24	151	172	229	233	263	231	200	241	---	---	---	90
25	149	189	231	233	263	232	203	259	---	---	---	90
26	151	201	233	232	263	228	203	283	---	---	89	94
27	149	177	235	234	248	217	207	287	---	---	89	100
28	145	176	234	240	236	218	210	290	---	---	90	110
29	148	188	234	242	---	219	214	294	---	---	92	114
30	153	213	234	241	---	222	218	297	---	---	94	110
31	158	---	267	250	---	223	---	300	---	---	96	---
MEAN	145	176	254	252	250	217	218	252	---	---	---	89
MAX	158	213	306	272	263	232	247	300	---	---	---	114
MIN	131	155	227	232	236	203	198	221	---	---	---	63

02256500 FISHEATING CREEK AT PALMDALE, FL--Continued
(National stream-quality accounting network station)

TEMPERATURE, WATER (DEG C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	27.0	21.0	22.5	23.0	25.0	25.5	26.5	32.0	---	25.5	28.5
2	25.5	26.5	22.0	23.0	24.0	24.0	22.5	27.5	31.0	---	---	27.5
3	25.0	26.5	23.0	23.5	24.0	23.5	21.0	27.0	31.5	---	---	28.0
4	24.5	27.0	23.5	23.0	24.0	23.5	22.5	27.5	31.5	---	---	29.0
5	24.5	27.0	23.5	21.5	24.5	24.0	24.0	26.5	30.5	---	---	29.5
6	25.5	25.5	22.5	20.0	23.5	24.5	24.5	27.0	30.0	---	---	28.5
7	26.0	24.0	18.0	20.0	21.5	23.5	25.5	27.5	30.0	---	---	28.5
8	26.5	22.5	17.0	20.0	19.0	23.0	26.0	27.0	29.0	---	---	29.0
9	26.0	22.5	18.0	20.5	19.5	24.0	24.5	27.5	28.0	29.5	---	29.5
10	26.0	23.0	19.0	20.5	19.0	25.0	22.5	29.0	27.5	29.0	---	29.5
11	26.5	23.5	19.5	20.5	17.5	25.0	22.5	28.5	28.0	29.0	---	29.5
12	26.5	22.5	20.0	18.0	---	25.0	22.0	29.5	29.0	28.0	---	30.0
13	27.0	21.0	21.0	18.5	---	25.0	23.5	30.5	29.5	27.0	---	29.5
14	26.5	21.0	21.5	20.0	---	25.0	25.5	30.5	---	26.5	---	29.5
15	25.5	21.5	---	20.5	---	25.5	25.0	30.0	---	26.5	---	29.5
16	26.5	22.0	---	19.0	---	25.5	25.0	28.0	---	26.0	---	29.0
17	27.0	22.5	22.5	16.0	---	24.5	25.5	28.0	---	27.0	---	28.0
18	27.0	23.0	22.0	16.5	---	21.5	25.0	28.5	---	27.5	---	28.0
19	27.0	24.0	22.5	---	---	20.0	25.5	29.5	---	26.0	---	28.0
20	27.0	23.0	22.5	---	---	20.5	26.0	30.5	---	25.0	---	28.0
21	27.0	22.5	22.5	---	---	20.0	26.0	29.5	---	25.0	---	26.5
22	27.5	21.0	22.0	---	22.0	21.5	26.0	29.0	---	25.5	---	26.0
23	27.5	19.5	22.5	---	21.5	23.0	26.5	27.5	---	24.5	---	26.5
24	27.0	21.0	22.5	---	22.5	23.0	27.0	28.5	---	24.5	---	27.5
25	27.0	21.5	22.5	18.0	22.5	23.5	28.0	29.0	---	26.0	---	28.5
26	27.0	21.5	22.5	18.0	23.5	23.0	27.5	29.5	---	27.0	31.0	29.5
27	27.5	21.5	23.0	20.0	24.5	22.5	---	30.5	---	26.5	29.5	29.5
28	27.5	22.0	23.0	19.5	24.5	22.5	---	30.5	---	27.0	29.0	29.0
29	27.5	21.5	23.0	20.5	---	23.0	---	31.0	---	27.5	29.5	29.5
30	27.5	21.5	23.0	20.5	---	24.5	27.5	31.5	---	28.0	29.0	29.0
31	27.0	---	23.0	22.0	---	25.0	---	32.0	---	27.0	29.0	---
MEAN	26.5	23.0	---	---	---	23.5	---	29.0	---	---	---	28.5
MAX	27.5	27.0	---	---	---	25.5	---	32.0	---	---	---	30.0
MIN	24.5	19.5	---	---	---	20.0	---	26.5	---	---	---	26.0

02256500 FISHEATING CREEK AT PALMDALE, FL
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV									
29...	1502	2.20	38	180	6.6	21.5	4.0	6.7	8.7
JAN									
25...	0926	.78	1.5	235	7.4	16.0	2.0	9.2	13
FEB									
28...	1645	.66	.80	246	7.4	26.5	3.0	6.7	14
APR									
30...	1609	.48	E.05	232	7.3	28.0	1.5	6.8	14
JUL									
02...	0757	.99	2.5	189	6.6	28.0	1.5	4.4	13
AUG									
14...	1628	4.84	320	122	6.1	29.0	.60	--	8.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV									
29...	4.4	19	3.6	14	14	36	.10	3.2	131
JAN									
25...	5.6	23	4.3	30	14	47	.10	2.6	167
FEB									
28...	5.7	20	3.5	48	13	42	.20	1.4	160
APR									
30...	5.9	21	3.3	38	15	43	.20	.8	158
JUL									
02...	5.0	15	1.2	54	24	27	.10	6.4	161
AUG									
14...	3.4	12	1.7	14	11	26	.10	3.8	143

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV								
29...	<.10	.060	1.1	.170	.160	.130	16	19
JAN								
25...	<.10	.050	1.4	.250	.210	.140	11	64
FEB								
28...	--	--	2.0	.330	.270	--	48	10
APR								
30...	<.10	.100	1.0	.360	.280	.310	5	20
JUL								
02...	<.10	.030	1.1	.180	.160	.150	12	8
AUG								
14...	<.10	.050	1.5	.260	.220	.190	--	--

02256500 FISHEATING CREEK AT PALMDALE, FL
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
NOV 29...	1502	60	<1	26	<.0	1	<1	<3	<1	310	3
FEB 28...	1645	70	<1	30	<.5	<1	<1	<3	1	410	1
APR 30...	1609	60	<1	26	<.5	2	1	<3	3	350	3
AUG 14...	1628	160	<1	26	<.5	1	<1	<3	<1	710	2

DATE	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV 29...	<4	10	.2	<10	<1	<1	<1	480	<6	9
FEB 28...	<4	14	.2	<10	1	<1	1	660	<6	12
APR 30...	<4	10	.1	<10	1	<1	<1	640	<6	8
AUG 14...	<4	8	<.1	<10	3	<1	<1	430	<6	17
	P									

02257800 HARNEY POND CANAL AT S-71, NEAR LAKEPORT, FL

LOCATION.--27°02'00", long 81°84'15", in NE¼ sec.1, T.40 S., R.32 E., Glades County, Hydrologic Unit 03090103, near left bank 220 ft upstream from control structure 71, 0.1 mi west of State Highway 721, 2.3 mi upstream from bridge on State Highway 78, and 5.2 mi northeast of Lakeport.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage and deflection-meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Estimated daily discharges: Oct. 27,30, Mar. 10. Records fair. Flow may be diverted to Indian Prairie Canal by the combined operation of structures 70 and 75 upstream.

COOPERATION.--Gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--23 years, 207 ft³/s, 150,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,670 ft³/s, Mar. 27, 1970; maximum gage height, 25.90 ft, June 8, 1968; no flow for many days each year; minimum gage height, 12.97 ft, Feb. 9, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,310 ft³/s, Sept. 7; maximum gage height, 20.57 ft, Sept. 21; no flow for many days; minimum gage height, 13.45 ft, Mar. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	623
2	.00	87	.00	.00	.00	.00	.00	.00	.00	.00	44	568
3	.00	85	.00	.00	.00	.00	.00	.00	.00	.00	99	548
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	318
5	.00	183	.00	.00	.00	.00	.00	.00	.00	.00	.00	676
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	224	1300
7	.00	102	.00	.00	.00	.00	.00	.00	.00	.00	.00	1310
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	72	.00	1170
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	367
10	.00	92	.00	.00	.00	787	.00	.00	.00	.00	118	128
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	111
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	249
13	.00	80	.00	.00	.00	.00	.00	.00	.00	139	160	206
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	93
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	58	.00	234
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	370	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	168	.00	104
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	246	201	225
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	164	123	329
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	243	167	639
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	233	367	488
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	364	166	488
23	.00	100	.00	.00	.00	.00	.00	.00	.00	361	247	656
24	.00	80	.00	.00	.00	.00	.00	.00	.00	92	211	635
25	.00	102	.00	.00	.00	.00	.00	.00	.00	179	106	250
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	166	.00
27	93	98	.00	.00	.00	.00	.00	.00	.00	90	110	246
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	106	128	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	198	218
30	98	.00	.00	.00	---	.00	.00	.00	.00	118	114	356
31	.00	---	.00	.00	---	.00	---	.00	---	91	204	---
TOTAL	395.00	1009.00	.00	.00	.00	787.00	.00	.00	.00	3094.00	3153.00	12535.00
MEAN	12.7	33.6	.00	.00	.00	25.4	.00	.00	.00	99.8	102	418
MAX	204	183	.00	.00	.00	787	.00	.00	.00	370	367	1310
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	783	2000	.00	.00	.00	1560	.00	.00	.00	6140	6250	24860

CAL YR 1984	TOTAL	84138.00	MEAN	230	MAX	2690	MIN	.00	AC-FT	166900
WTR YR 1985	TOTAL	20973.00	MEAN	57.5	MAX	1310	MIN	.00	AC-FT	41600

FISHEATING CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTHWEST

02257800 HARNEY POND CANAL AT S-71, NEAR LAKEPORT, FL

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.77	19.20	18.91	18.51	17.82	17.07	17.39	17.57	17.04	19.87	19.43	19.67
2	19.98	19.51	18.79	18.59	17.87	17.04	17.39	17.51	17.03	19.90	19.62	19.66
3	20.05	19.32	18.66	18.55	17.97	17.01	17.41	17.78	16.99	19.95	19.77	19.68
4	20.06	19.39	18.53	18.53	18.02	16.95	17.35	17.76	16.93	20.00	19.83	19.63
5	20.01	19.62	18.42	18.53	18.11	16.90	17.28	17.65	16.88	20.04	19.87	19.71
6	19.91	19.23	18.33	18.54	18.00	16.85	17.26	17.55	16.83	20.05	19.76	19.77
7	19.79	19.82	18.25	18.53	17.93	16.80	17.24	17.42	16.81	20.05	19.32	19.77
8	19.64	19.38	18.16	18.40	17.88	16.77	17.20	17.33	16.77	19.95	19.25	19.76
9	19.50	19.02	18.07	18.44	17.85	16.73	17.22	17.27	16.75	19.57	19.15	19.73
10	19.36	19.37	18.00	18.46	17.85	15.58	17.11	17.19	16.74	19.67	19.36	19.57
11	19.22	19.45	17.93	18.35	17.81	13.68	17.09	17.18	16.70	19.91	19.78	19.67
12	19.06	19.13	17.86	18.29	17.81	13.99	17.08	17.31	16.62	20.06	19.82	19.71
13	18.91	19.30	17.78	18.38	17.70	14.72	17.09	17.37	16.58	19.37	19.65	19.83
14	18.79	19.12	17.71	18.42	17.58	15.72	17.09	17.37	16.62	19.41	19.58	19.77
15	18.67	18.62	17.66	18.26	17.55	16.38	17.19	17.34	16.66	19.68	19.67	19.53
16	18.54	18.35	17.62	18.20	17.56	16.82	17.44	17.27	16.70	19.58	19.71	19.31
17	18.37	18.12	17.58	18.37	17.55	17.32	18.35	17.20	16.74	19.27	19.71	19.52
18	19.73	17.96	17.60	18.44	17.53	17.80	18.99	17.13	16.72	19.28	19.65	19.48
19	19.35	17.80	17.85	18.42	17.54	17.82	18.79	17.07	16.73	19.38	19.38	19.73
20	19.13	17.62	18.07	18.37	17.55	17.73	18.57	17.02	16.78	19.50	19.84	19.68
21	19.77	17.90	18.18	18.36	17.50	17.67	18.39	16.96	17.05	19.86	19.77	19.66
22	19.22	18.02	18.02	18.44	17.42	17.85	18.79	16.93	17.33	19.61	19.67	19.68
23	18.88	19.40	17.89	18.55	17.37	17.90	18.98	16.92	17.75	19.67	19.64	19.67
24	18.78	19.54	17.80	18.72	17.32	17.88	18.65	16.97	18.09	19.73	19.72	19.70
25	19.35	19.81	17.70	18.64	17.28	17.83	18.42	17.10	18.32	19.63	19.91	19.73
26	18.95	19.47	17.65	18.59	17.25	17.75	18.28	17.19	18.58	19.83	19.60	19.89
27	19.34	19.52	17.60	18.43	17.17	17.68	18.14	17.24	18.90	19.93	19.61	19.67
28	19.20	19.50	17.81	18.27	17.12	17.65	18.02	17.23	19.22	19.64	19.62	19.79
29	19.32	19.24	18.07	18.11	---	17.62	17.86	17.20	19.44	19.82	19.68	19.73
30	19.46	19.05	18.25	17.97	---	17.52	17.68	17.12	19.55	19.85	19.58	19.72
31	19.15	---	18.39	17.88	---	17.47	---	17.08	---	19.33	19.62	---
MEAN	19.33	19.03	18.04	18.40	17.64	16.92	17.79	17.27	17.33	19.72	19.63	19.68
MAX	20.06	19.82	18.91	18.72	18.11	17.90	18.99	17.78	19.55	20.06	19.91	19.89
MIN	18.37	17.62	17.58	17.88	17.12	13.68	17.08	16.92	16.58	19.27	19.15	19.31

CAL YR 1984 MEAN 19.39 MAX 21.21 MIN 17.58
WTR YR 1985 MEAN 18.40 MAX 20.06 MIN 13.68

02259200 INDIAN PRAIRIE CANAL AT S-72, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27°05'35", long 81°00'25", in SE¼ sec.10, T.39 S., R.33 E., Glades County, Hydrologic Unit 03090103, near left bank 230 ft upstream from control structure 72, 2.6 mi upstream from bridge on State Highway 78, and 15 mi southwest of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is 9.0 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by operation of structure 72, by storage releases upstream at structures 68, 75, and 82, and several small diversions for irrigation. Flow may be diverted to Harney Pond Canal by the combined operation of structures 70 and 75. Discharge computed from continuous velocity record obtained from recording velocity meter.

COOPERATION.--Gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--23 years, 44.2 ft³/s, 32,020 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,130 ft³/s, Oct. 3, 1969; maximum gage height, 14.21 ft, June 19, 1972; no flow for many days each year; minimum gage height, 6.55 ft, Oct. 11, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 74 ft³/s, Sept. 21; maximum gage height, 12.07 ft, Sept. 21; no flow for many days; minimum gage height, 6.92 ft, Mar. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	74
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	74.00
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.47
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	74
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	147

CAL YR 1984	TOTAL	8091.70	MEAN	22.1	MAX	712	MIN	.00	AC-FT	16050
WTR YR 1985	TOTAL	74.00	MEAN	.20	MAX	74	MIN	.00	AC-FT	147

02259200 INDIAN PRAIRIE CANAL AT S-72, NEAR OKEECHOBEE, FL

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.65	10.11	9.86	8.96	8.97	7.98	9.22	8.11	8.75	8.79	10.79	10.66
2	10.53	10.21	9.93	8.89	9.15	7.62	9.06	8.57	8.92	8.70	10.63	10.78
3	10.82	10.34	9.96	8.81	9.28	7.33	9.10	8.96	8.85	9.50	10.58	10.84
4	10.96	10.47	9.97	8.78	9.23	7.09	9.00	8.37	8.75	11.02	10.57	10.92
5	10.92	10.57	9.87	8.91	8.86	7.03	8.82	7.92	8.56	11.14	10.51	10.96
6	10.52	10.60	9.50	9.02	8.47	7.36	8.80	7.56	8.18	10.40	10.47	11.04
7	10.20	10.42	9.30	9.02	8.17	7.60	8.91	7.33	7.85	9.96	10.43	11.13
8	9.95	10.41	9.37	8.86	8.00	7.75	8.98	7.57	7.59	9.70	10.35	11.19
9	9.79	10.67	9.41	8.75	8.22	7.88	8.84	7.86	7.52	9.55	10.28	11.15
10	9.63	10.77	9.40	8.83	8.48	8.10	8.68	8.05	7.51	9.40	10.39	11.08
11	9.63	10.78	9.38	8.99	8.75	8.10	8.65	8.26	7.36	9.15	10.47	11.00
12	10.01	10.73	9.38	9.13	8.96	8.07	8.78	8.64	7.24	9.20	10.54	10.92
13	10.32	10.59	9.28	9.46	9.06	8.00	8.96	8.76	7.26	9.31	10.58	10.88
14	10.49	10.44	9.31	9.71	9.04	7.96	9.08	8.69	7.49	9.43	10.59	10.85
15	10.57	10.33	9.39	9.75	8.91	7.97	9.25	8.69	7.66	9.71	10.57	10.78
16	10.48	10.22	9.42	9.64	8.58	8.01	9.55	8.68	7.80	10.03	10.50	10.68
17	10.35	10.06	9.35	9.80	8.33	8.28	9.66	8.76	7.86	10.22	10.43	10.59
18	10.04	9.94	9.14	10.10	8.02	8.52	9.76	8.76	7.86	10.28	10.38	10.56
19	10.01	9.98	8.92	10.14	7.67	8.67	9.87	8.84	7.89	10.29	10.47	10.71
20	10.21	9.86	8.62	10.22	7.49	8.75	9.36	8.89	7.96	10.56	10.57	11.27
21	10.33	9.82	8.48	10.22	7.64	8.75	9.05	8.66	8.09	11.01	10.73	11.75
22	10.39	9.55	8.58	10.04	7.70	9.15	8.87	8.18	8.22	11.35	10.78	11.95
23	10.29	9.51	8.73	10.00	7.63	9.46	9.07	7.89	8.47	11.52	10.82	12.04
24	10.23	9.40	8.81	9.69	7.60	9.54	9.19	8.16	8.54	11.59	10.83	11.98
25	10.22	9.30	8.87	9.20	7.62	9.51	9.11	8.49	8.58	11.53	10.82	11.85
26	10.22	9.21	8.91	8.77	7.88	9.43	8.81	8.70	8.70	11.43	10.78	11.73
27	10.33	9.18	8.94	8.47	8.04	9.37	8.67	8.88	8.88	11.35	10.75	11.62
28	10.38	9.48	8.84	8.35	8.09	9.32	8.38	8.91	8.94	11.23	10.70	11.62
29	10.43	9.66	9.00	8.25	---	9.30	8.09	8.91	8.95	11.12	10.68	11.66
30	10.37	9.76	9.15	8.62	---	9.29	7.80	8.73	8.90	11.03	10.67	11.71
31	10.27	---	9.15	8.84	---	9.32	---	8.70	---	10.88	10.60	---
MEAN	10.31	10.08	9.23	9.23	8.35	8.40	8.98	8.43	8.17	10.33	10.59	11.20
MAX	10.96	10.78	9.97	10.22	9.28	9.54	9.87	8.96	8.95	11.59	10.83	12.04
MIN	9.63	9.18	8.48	8.25	7.49	7.03	7.80	7.33	7.24	8.70	10.28	10.56

CAL YR 1984 MEAN 10.61 MAX 12.14 MIN 7.48
WTR YR 1985 MEAN 9.45 MAX 12.04 MIN 7.03

02260800 ALLIGATOR LAKE NEAR ASHTON, FL

LOCATION.--Lat 28°13'53", long 81°11'20", in NW¼ sec.14, T.26 S., R.31 E., Osceola County, Hydrologic Unit 03090101, at northeast end of lake, on private pier about 1,200 ft southeast of canal connecting Alligator Lake and Lake Lizzie, and 3.5 mi east of Ashton.

SURFACE AREA.--3,401 acres (5.31 mi²).

DRAINAGE AREA.--26.6 mi².

PERIOD OF RECORD.--November 1941 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to May 31, 1967, at several sites within about 700 ft of present site at datum 60.74 ft higher and May 31, 1967 to Feb. 19, 1975, at several sites at same datum. Feb. 19, 1975 to Apr. 8, 1981, at site 350 ft north at present datum.

REMARKS.--Lake is one of the Kissimmee River headwaters chain of lakes. Subsequent to 1962, the improvement of canals and natural drains between these lakes and the construction of dams with gated controls has resulted in the partial regulation of lake elevations.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 66.81 ft, Sept. 25, 1960; minimum observed, 59.52 ft, June 10,11, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 67.7 ft was reached in June 1934, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 63.85 ft, Sept. 22; minimum observed, 61.34 ft, June 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.98	62.64	62.70	62.58	62.29	62.13	62.14	61.84	61.49	61.78	62.50	63.42
2	62.96	62.63	62.70	62.56	62.28	62.12	62.13	61.82	61.47	61.80	62.55	63.40
3	62.95	62.62	62.70	62.55	62.29	62.12	62.11	61.80	61.46	61.80	62.59	63.38
4	62.93	62.66	62.70	62.53	62.28	62.11	62.10	61.78	61.45	61.77	62.60	63.36
5	62.92	62.64	62.68	62.51	62.26	62.10	62.09	61.84	61.43	61.78	62.93	63.40
6	62.90	62.62	62.67	62.50	62.25	62.09	62.07	61.82	61.42	61.90	63.15	63.32
7	62.88	62.60	62.66	62.49	62.28	62.08	62.08	61.80	61.41	61.90	63.20	63.32
8	62.88	62.58	62.65	62.48	62.30	62.07	62.06	61.78	61.40	61.89	63.25	63.34
9	62.86	62.56	62.65	62.47	62.30	62.06	62.04	61.76	61.37	61.88	63.30	63.34
10	62.86	62.54	62.64	62.47	62.28	62.06	62.01	61.75	61.34	61.88	63.35	63.33
11	62.84	62.52	62.64	62.46	62.27	62.05	61.99	61.74	61.42	61.87	63.36	63.33
12	62.84	62.50	62.63	62.46	62.26	62.04	61.98	61.71	61.60	61.86	63.37	63.32
13	62.82	62.48	62.63	62.45	62.25	62.03	62.01	61.69	61.68	61.91	63.38	63.32
14	62.81	62.47	62.62	62.45	62.24	62.01	62.01	61.67	61.69	61.91	63.45	63.42
15	62.80	62.45	62.62	62.44	62.23	62.00	62.06	61.65	61.70	61.90	63.48	63.44
16	62.79	62.44	62.62	62.43	62.22	62.01	62.06	61.61	61.71	61.89	63.50	63.45
17	62.78	62.42	62.64	62.42	62.21	62.01	62.05	61.61	61.73	61.88	63.48	63.46
18	62.76	62.41	62.64	62.41	62.21	61.98	62.05	61.59	61.74	61.87	63.47	63.48
19	62.75	62.41	62.63	62.40	62.20	61.95	62.02	61.56	61.79	61.96	63.42	63.49
20	62.74	62.40	62.63	62.40	62.20	61.93	62.00	61.54	61.80	61.97	63.40	63.50
21	62.74	62.41	62.63	62.39	62.19	61.91	61.99	61.52	61.78	62.00	63.38	63.82
22	62.72	62.49	62.62	62.37	62.18	62.20	61.98	61.52	61.82	62.07	63.35	63.85
23	62.70	62.58	62.62	62.36	62.17	62.22	61.97	61.64	61.82	62.10	63.32	63.78
24	62.69	62.66	62.62	62.35	62.16	62.22	61.96	61.65	61.81	62.14	63.30	63.66
25	62.68	62.67	62.61	62.34	62.15	62.20	61.94	61.64	61.79	62.20	63.32	63.56
26	62.67	62.68	62.61	62.34	62.15	62.19	61.92	61.64	61.78	62.24	63.32	63.47
27	62.70	62.68	62.61	62.34	62.14	62.18	61.90	61.62	61.78	62.26	63.45	63.38
28	62.68	62.68	62.60	62.33	62.14	62.17	61.89	61.58	61.78	62.29	63.44	63.31
29	62.67	62.69	62.60	62.32	---	62.16	61.87	61.56	61.78	62.33	63.43	63.32
30	62.66	62.69	62.59	62.31	---	62.15	61.86	61.54	61.78	62.36	63.40	63.32
31	62.65	---	62.59	62.30	---	62.14	---	61.50	---	62.44	63.40	---
MEAN	62.79	62.56	62.64	62.43	62.23	62.09	62.01	61.67	61.63	61.99	63.25	63.44
MAX	62.98	62.69	62.70	62.58	62.30	62.22	62.14	61.84	61.82	62.44	63.50	63.85
MIN	62.65	62.40	62.59	62.30	62.14	61.91	61.86	61.50	61.34	61.77	62.50	63.31

CAL YR 1984 MEAN 63.03 MAX 64.10 MIN 61.78
WTR YR 1985 MEAN 62.40 MAX 63.85 MIN 61.34

02261900 LAKE MARY JANE NEAR NARCOOSSEE, FL

LOCATION.--Lat 28°22'46", long 81°11'15", in SW¼ sec.23, T.24 S., R.31 E., Orange County, Hydrologic Unit 03090101, on west shore of lake, at public park about 1,000 ft south of Mary Jane-Hart Canal, 6.5 mi northeast of Narcoossee, and 11 mi northeast of St. Cloud.

SURFACE AREA.--1,161 acres (1.81 mi²).

DRAINAGE AREA.--124 mi².

PERIOD OF RECORD.--November 1949 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 26, 1973, water-stage recorder at datum 56.66 ft higher.

REMARKS.--Lake is one of the Kissimmee River headwaters chain of lakes. Subsequent to 1962, the improvement of canals and natural drains between these lakes and the construction of dams with gated controls has resulted in the partial regulation of lake stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 64.81 ft, Mar. 20, 1960; minimum daily, 56.89 ft, May 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 60.63 ft, Sept. 22; minimum daily, 59.10 ft, June 8,9.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.05	59.95	59.98	59.87	59.63	59.50	59.62	59.48	59.23	59.82	60.04	60.37
2	60.05	59.95	59.98	59.86	59.64	59.49	59.61	59.46	59.21	59.82	60.03	60.47
3	60.06	59.94	59.98	59.86	59.64	59.48	59.59	59.46	59.19	59.81	60.04	60.50
4	60.07	59.95	59.98	59.87	59.63	59.47	59.57	59.46	59.18	59.81	60.07	60.41
5	60.07	59.95	59.99	59.84	59.63	59.46	59.55	59.45	59.16	59.84	60.06	60.31
6	60.08	59.92	59.99	59.82	59.63	59.45	59.55	59.43	59.14	59.87	60.06	60.28
7	60.08	59.89	59.96	59.81	59.65	59.43	59.56	59.42	59.12	59.86	60.06	60.29
8	60.09	59.86	59.95	59.80	59.64	59.42	59.56	59.40	59.10	59.85	60.13	60.30
9	60.09	59.85	59.94	59.79	59.63	59.41	59.54	59.38	59.10	59.84	60.17	60.28
10	60.09	59.84	59.94	59.78	59.62	59.40	59.51	59.36	59.15	59.84	60.13	60.25
11	60.09	59.84	59.93	59.78	59.62	59.39	59.49	59.34	59.32	59.82	60.09	60.19
12	60.08	59.82	59.93	59.76	59.64	59.38	59.48	59.32	59.39	59.82	60.09	60.19
13	60.08	59.80	59.93	59.75	59.60	59.37	59.53	59.31	59.48	59.87	60.10	60.22
14	60.07	59.78	59.93	59.74	59.58	59.36	59.55	59.29	59.54	59.88	60.11	60.30
15	60.07	59.77	59.92	59.73	59.57	59.35	59.55	59.27	59.56	59.94	60.14	60.33
16	60.06	59.77	59.92	59.72	59.57	59.36	59.56	59.26	59.60	60.09	60.18	60.35
17	60.06	59.76	59.92	59.72	59.56	59.37	59.54	59.24	59.67	60.13	60.21	60.34
18	60.05	59.76	59.92	59.73	59.56	59.35	59.52	59.19	59.69	60.18	60.25	60.33
19	60.04	59.76	59.92	59.73	59.56	59.32	59.51	59.16	59.71	60.23	60.22	60.32
20	60.03	59.75	59.92	59.72	59.55	59.31	59.54	59.16	59.73	60.18	60.16	60.40
21	60.02	59.75	59.91	59.71	59.54	59.37	59.56	59.17	59.74	60.13	60.14	60.57
22	60.02	59.79	59.91	59.68	59.54	59.65	59.55	59.19	59.77	60.07	60.11	60.63
23	60.01	59.90	59.91	59.67	59.53	59.67	59.55	59.30	59.77	59.99	60.08	60.58
24	59.99	59.95	59.90	59.66	59.53	59.67	59.54	59.32	59.76	59.98	60.08	60.48
25	59.97	59.96	59.90	59.67	59.53	59.67	59.52	59.32	59.75	60.02	60.15	60.37
26	59.99	59.96	59.89	59.66	59.52	59.66	59.51	59.32	59.74	60.05	60.11	60.25
27	60.00	59.96	59.89	59.65	59.52	59.65	59.49	59.31	59.73	60.06	60.15	60.14
28	59.99	59.98	59.89	59.65	59.51	59.65	59.48	59.29	59.73	60.06	60.22	60.10
29	59.99	59.97	59.89	59.64	---	59.64	59.47	59.28	59.73	60.06	60.24	60.10
30	59.98	59.97	59.88	59.64	---	59.63	59.49	59.26	59.76	60.05	60.24	60.10
31	59.96	---	59.88	59.64	---	59.63	---	59.25	---	60.05	60.27	---
MEAN	60.04	59.87	59.93	59.74	59.58	59.48	59.54	59.32	59.49	59.97	60.13	60.32
MAX	60.09	59.98	59.99	59.87	59.65	59.67	59.62	59.48	59.77	60.23	60.27	60.63
MIN	59.96	59.75	59.88	59.64	59.51	59.31	59.47	59.16	59.10	59.81	60.03	60.10

CAL YR 1984 MEAN 60.14 MAX 61.20 MIN 59.21
WTR YR 1985 MEAN 59.79 MAX 60.63 MIN 59.10

02262900 BOGGY CREEK NEAR TAFT, FL

LOCATION.--Lat 28°22'16", long 81°18'39", in NE¼ sec.28, T.24 S., R.30 E., Orange County, Hydrologic Unit 03090101, on left bank 450 ft downstream from Boggy Creek Swamp, 2.0 mi upstream from bridge on State Highway 530, 3.5 mi upstream from mouth, and 5.5 mi southeast of Taft.

DRAINAGE AREA.--83.6 mi².

PERIOD OF RECORD.--September 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 56.08 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Auxiliary water-stage recorder on the south side of East Lake Tohopekaliga since Oct.1, 1973, and prior to July 19, 1968. From July 19, 1968, to Sept. 30, 1973, auxiliary water-stage recorder at St. Cloud Canal above S-59.

REMARKS.--No estimated daily discharges. Records good. Some diversion to ground water through drainage wells in lakes upstream from station.

AVERAGE DISCHARGE.--26 years, 46.1 ft³/s, 7.49 in/yr, 33,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,680 ft³/s, Mar. 18, 1960, gage height, 13.64 ft, from floodmarks; no flow May 19, 1981; minimum gage height, 1.66 ft, May 18-20, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 241 ft³/s, Aug. 21, gage height, 6.57 ft; no flow May 18-20, June 9; minimum gage height, 1.66 ft, May 18,20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	11	14	6.2	3.5	2.6	14	3.7	2.0	26	66	149
2	52	11	13	6.1	3.5	2.5	13	3.3	1.4	21	77	150
3	45	11	12	6.5	3.5	3.2	11	2.9	1.0	17	63	142
4	39	12	12	7.0	3.4	6.7	9.7	3.6	.72	14	62	125
5	34	11	11	6.1	3.5	7.5	8.8	5.4	.54	11	61	110
6	30	10	11	5.6	4.1	6.0	9.6	3.7	.31	13	60	99
7	27	9.3	9.3	5.3	5.5	6.7	12	2.8	.12	13	58	94
8	25	8.7	8.7	5.1	5.5	13	14	2.7	.04	9.6	54	89
9	23	8.5	8.4	4.9	5.3	12	13	2.8	.00	9.3	53	84
10	22	8.2	8.4	4.6	5.5	9.4	11	2.4	.73	35	51	79
11	21	8.0	8.4	4.6	5.8	7.9	9.4	2.0	4.1	21	50	72
12	19	7.7	8.5	4.3	6.2	6.7	8.6	1.7	4.4	29	46	65
13	18	7.1	8.3	3.9	5.3	5.7	13	1.3	8.8	63	43	60
14	17	6.8	8.2	3.7	4.8	4.8	18	1.0	14	40	40	72
15	16	6.4	8.1	3.7	5.0	5.4	16	.72	13	38	41	89
16	16	6.0	8.0	3.6	5.0	8.8	16	.44	11	53	42	100
17	15	6.2	7.9	3.7	4.6	6.7	12	.10	11	59	35	94
18	15	6.2	7.9	4.0	4.4	5.8	9.4	.00	7.9	82	32	81
19	14	6.2	7.9	5.0	4.2	4.8	8.1	.00	6.4	85	37	75
20	14	6.0	8.4	4.6	4.2	4.3	7.3	.00	4.6	75	60	109
21	13	6.1	8.8	4.0	4.0	25	6.5	.00	5.1	84	123	188
22	13	15	8.6	3.6	3.9	107	5.8	.26	13	76	148	221
23	12	30	8.0	3.6	3.7	106	5.2	1.8	23	72	137	207
24	12	30	7.8	3.7	3.6	78	4.6	6.8	20	81	124	186
25	11	29	7.1	4.0	3.3	61	3.9	6.2	18	100	126	155
26	11	23	6.5	3.8	3.2	44	3.5	8.4	14	103	120	131
27	12	19	6.2	3.6	3.0	37	2.9	9.3	12	96	136	121
28	13	17	6.5	3.6	2.9	29	2.6	7.1	12	84	139	110
29	13	15	6.9	3.5	---	22	3.0	5.2	14	73	127	100
30	13	14	6.7	3.4	---	18	3.7	3.8	16	64	123	89
31	12	---	6.4	3.4	---	16	---	2.8	---	55	135	---
TOTAL	660	365.4	268.9	138.7	120.4	673.5	275.6	92.22	239.16	1601.9	2469	3446
MEAN	21.3	12.2	8.67	4.47	4.30	21.7	9.19	2.97	7.97	51.7	79.6	115
MAX	63	30	14	7.0	6.2	107	18	9.3	23	103	148	221
MIN	11	6.0	6.2	3.4	2.9	2.5	2.6	.00	.00	9.3	32	60
CFSM	.25	.15	.10	.05	.05	.26	.11	.04	.10	.62	.95	1.38
IN.	.29	.16	.12	.06	.05	.30	.12	.04	.11	.71	1.10	1.53
AC-FT	1310	725	533	275	239	1340	547	183	474	3180	4900	6840

CAL YR 1984	TOTAL	16721.1	MEAN	45.7	MAX	660	MIN	5.0	CFSM	.55	IN.	7.44	AC-FT	33170
WTR YR 1985	TOTAL	10350.78	MEAN	28.4	MAX	221	MIN	.00	CFSM	.34	IN.	4.61	AC-FT	20530

02263776 LAKE BRYAN NEAR VINELAND, FL

LOCATION.--Lat 28°21'46", long 81°29'57", in SE¼ sec.27, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on west shore of lake, 1.1 mi south of intersection of Interstate Highway 4 and State Highway 535, and 2.2 mi south of Vineland.

SURFACE AREA.--210 acres (0.33 mi²).

DRAINAGE AREA.--2.70 mi².

PERIOD OF RECORD.--September 1969 to current year (fragmentary).

REVISED RECORDS.--WDR FL-72-2: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Orange County bench mark).

REMARKS.--Outflow from lake is to Shingle Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 100.33 ft on or about Aug. 11, 1984, from floodmarks; minimum observed, 95.64 ft, May 8, 1981.

ELEVATION, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
23...	0900	98.75	21...	1210	97.37
DEC			JULY		
11...	1020	98.64	08...	1125	97.91
JAN			AUG		
25...	1140	98.26	06...	1430	98.40
MAR			28...	1045	98.77
26...	1240	98.13			

02263800 SHINGLE CREEK AT AIRPORT, NEAR KISSIMMEE, FL

LOCATION.--Lat 28°18'14", long 81°27'04", in NW¼ sec.19, T.25 S., R.29 E., Osceola County, Hydrologic Unit 03090101, near center of span on downstream side of bridge on U.S. Highway 192, 1.0 mi northwest of Kissimmee Airport, 3.0 mi west of Kissimmee, and 5.6 mi upstream from mouth.

DRAINAGE AREA.--89.2 mi².

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 60.66 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--27 years, 69.4 ft³/s, 10.57 in/yr, 50,280 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,320 ft³/s, Mar. 18, 1960, gage height, 11.00 ft; no flow for many days in some years; minimum gage height, 2.21 ft, June 9, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 424 ft³/s, Aug. 6, gage height, 7.41 ft; minimum, 21 ft³/s, May 18,19; minimum gage height, 4.29 ft, May 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	35	47	29	28	28	39	24	63	132	134	179
2	94	34	44	29	28	27	36	23	50	119	183	194
3	86	33	42	30	29	27	34	24	40	105	228	205
4	75	36	40	31	29	27	32	25	34	92	268	222
5	64	34	39	30	29	27	31	28	31	80	302	245
6	56	33	38	30	30	27	30	27	29	78	412	248
7	50	32	37	30	32	26	32	26	28	91	374	239
8	46	32	38	30	33	26	33	25	29	88	328	230
9	43	32	38	30	35	26	33	25	29	77	291	206
10	41	32	39	30	37	26	34	25	28	65	252	185
11	40	32	39	29	38	26	34	25	30	56	217	165
12	39	31	38	29	38	26	33	25	32	62	191	144
13	38	31	37	29	35	26	35	25	39	98	176	133
14	37	31	37	29	33	26	38	24	53	103	160	150
15	36	31	36	29	33	29	38	23	69	88	140	136
16	35	31	36	28	33	43	38	23	88	87	121	129
17	34	31	36	28	33	32	37	22	100	100	105	127
18	33	31	34	29	32	29	34	22	107	113	94	125
19	33	31	34	30	32	28	32	21	115	146	89	121
20	32	31	34	30	32	29	31	22	118	205	104	176
21	32	30	33	30	31	51	29	23	109	204	113	273
22	32	36	33	30	30	115	28	24	143	209	119	265
23	32	49	32	30	30	118	27	34	206	194	126	275
24	31	53	32	30	29	132	27	60	180	203	141	315
25	31	59	32	31	29	140	26	43	171	230	146	336
26	32	64	32	31	29	134	25	57	169	240	143	323
27	38	63	32	30	29	112	24	88	164	240	151	295
28	41	58	32	30	28	82	24	107	159	226	162	262
29	39	52	31	29	---	61	23	107	146	203	151	230
30	38	48	30	29	---	49	24	96	130	173	142	200
31	37	---	29	29	---	42	---	79	---	142	145	---
TOTAL	1390	1156	1111	918	884	1597	941	1202	2689	4249	5708	6333
MEAN	44.8	38.5	35.8	29.6	31.6	51.5	31.4	38.8	89.6	137	184	211
MAX	95	64	47	31	38	140	39	107	206	240	412	336
MIN	31	30	29	28	28	26	23	21	28	56	89	121
CFSM	.50	.43	.40	.33	.35	.58	.35	.43	1.00	1.54	2.06	2.37
IN.	.58	.48	.46	.38	.37	.67	.39	.50	1.12	1.77	2.38	2.64
AC-FT	2760	2290	2200	1820	1750	3170	1870	2380	5330	8430	11320	12560

CAL YR 1984	TOTAL	36336	MEAN	99.3	MAX	594	MIN	29	CFSM	1.11	IN.	15.15	AC-FT	72070
WTR YR 1985	TOTAL	28178	MEAN	77.2	MAX	412	MIN	21	CFSM	.87	IN.	11.75	AC-FT	55890

02263850 BAY LAKE NEAR VINELAND, FL

LOCATION.--Lat 28°24'48", long 81°33'28", in NW¼ sec.7, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on right bank at upstream wingwall of control structure 105A in lateral 105, 200 ft south of natural lake shore line, and 3.5 mi northwest of Vineland.

SURFACE AREA.--436 acres (0.68 mi²).

DRAINAGE AREA.--14.8 mi².

PERIOD OF RECORD.--February 1967 to September 1969, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Walt Disney World bench mark). Prior to Feb. 7, 1969, on north shore of lake at datum 90.00 ft higher.

REMARKS.--Outflow from lake is through L-105 to Bonnet Creek since fall of 1968. In the fall of 1968, structure 105A was completed and became the control outlet of the lake. Draining of Bay Lake through S-105A began on Dec. 20, 1968. The headwater elevation at S-105A represented the lake level until Aug. 25, 1969, when a dike was constructed 200 ft upstream from the control structure. The lake elevation was then independent of the headwater elevation at S-105A. The dike was removed in August 1970 as the lake refilled. Since August 1970, lake elevation regulated by pumpage from ground water.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 95.07 ft, Aug. 18, 1967; minimum, 92.55 ft, May 24, 1968, except when lake was drained in 1970.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 94.60 ft, Sept. 21; minimum daily, 93.17 ft, Feb. 18-21.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.07	93.80	93.60	93.52	93.26	93.34	93.75	93.49	93.53	93.71	94.00	94.47
2	94.05	93.79	93.60	93.51	93.27	93.36	93.73	93.48	93.51	93.70	94.01	94.47
3	94.02	93.78	93.60	93.52	93.27	93.36	93.71	93.47	93.50	93.70	94.03	94.46
4	94.01	93.78	93.60	93.54	93.26	93.38	93.68	93.46	93.49	93.69	94.07	94.46
5	94.00	93.78	93.60	93.51	93.25	93.40	93.67	93.45	93.47	93.68	94.05	94.48
6	93.98	93.76	93.61	93.48	93.24	93.42	93.70	93.43	93.45	93.68	94.04	94.53
7	93.98	93.72	93.58	93.46	93.26	93.42	93.74	93.42	93.42	93.68	94.04	94.53
8	93.97	93.70	93.56	93.46	93.26	93.43	93.74	93.42	93.39	93.68	94.09	94.52
9	93.96	93.69	93.55	93.44	93.24	93.45	93.73	93.42	93.38	93.66	94.14	94.51
10	93.95	93.68	93.54	93.43	93.23	93.47	93.72	93.43	93.38	93.64	94.14	94.50
11	93.94	93.68	93.54	93.43	93.24	93.48	93.70	93.44	93.40	93.60	94.13	94.48
12	93.93	93.67	93.54	93.41	93.25	93.48	93.70	93.46	93.41	93.59	94.13	94.47
13	93.92	93.65	93.54	93.38	93.22	93.46	93.71	93.47	93.47	93.63	94.15	94.47
14	93.91	93.63	93.54	93.37	93.20	93.46	93.72	93.47	93.48	93.67	94.14	94.51
15	93.91	93.62	93.53	93.36	93.19	93.47	93.71	93.46	93.55	93.67	94.12	94.48
16	93.90	93.61	93.53	93.35	93.18	93.49	93.71	93.44	93.59	93.66	94.11	94.46
17	93.89	93.60	93.53	93.35	93.18	93.52	93.69	93.44	93.59	93.68	94.10	94.44
18	93.88	93.56	93.53	93.37	93.17	93.51	93.68	93.42	93.61	93.71	94.11	94.43
19	93.87	93.52	93.53	93.37	93.17	93.51	93.67	93.41	93.60	93.74	94.13	94.41
20	93.86	93.48	93.53	93.37	93.17	93.51	93.65	93.41	93.59	93.78	94.26	94.49
21	93.85	93.47	93.53	93.35	93.17	93.59	93.64	93.42	93.63	93.80	94.34	94.60
22	93.84	93.58	93.53	93.32	93.19	93.83	93.63	93.48	93.72	93.81	94.33	94.57
23	93.84	93.64	93.53	93.31	93.20	93.84	93.61	93.53	93.73	93.80	94.32	94.55
24	93.82	93.63	93.53	93.29	93.21	93.83	93.59	93.61	93.72	93.80	94.31	94.54
25	93.80	93.62	93.53	93.30	93.21	93.83	93.58	93.61	93.71	93.83	94.31	94.53
26	93.81	93.62	93.53	93.29	93.23	93.81	93.57	93.59	93.70	93.82	94.29	94.52
27	93.83	93.62	93.53	93.28	93.26	93.79	93.56	93.58	93.71	93.82	94.32	94.53
28	93.84	93.62	93.53	93.28	93.30	93.78	93.55	93.56	93.75	93.82	94.36	94.54
29	93.84	93.61	93.53	93.27	---	93.77	93.52	93.55	93.75	93.82	94.35	94.53
30	93.83	93.60	93.53	93.26	---	93.76	93.50	93.54	93.72	93.81	94.34	94.52
31	93.82	---	93.52	93.26	---	93.76	---	93.55	---	93.84	94.40	---
MEAN	93.91	93.65	93.55	93.38	93.22	93.56	93.66	93.48	93.56	93.73	94.18	94.50
MAX	94.07	93.80	93.61	93.54	93.30	93.84	93.75	93.61	93.75	93.84	94.40	94.60
MIN	93.80	93.47	93.52	93.26	93.17	93.34	93.50	93.41	93.38	93.59	94.00	94.41

CAL YR 1984 MEAN 94.14 MAX 94.65 MIN 93.47
WTR YR 1985 MEAN 93.70 MAX 94.60 MIN 93.17

02263868 SOUTH LAKE NEAR VINELAND, FL

LOCATION.--Lat 28°24'45", long 81°32'17", in SW¼ sec.8, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on right bank at upstream wingwall of control structure 15 in Canal No. 1, 300 ft south of natural lake shoreline, 1,600 ft west of State Highway 535, and 2.4 mi northwest of Vineland.

SURFACE AREA.--128 acres (0.20 mi²).

DRAINAGE AREA.--4.0 mi², approximately.

PERIOD OF RECORD.--April 1969 to current year. Prior to September 1982 records previously published as South Lake Outlet at S-15, near Vineland (station 02263869).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Walt Disney World bench mark).

REMARKS.--Since January 1969, lake controlled by structure 15. Outflow is to Bonnet Creek through Canal No. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 94.39 ft, Aug. 18, 1982; minimum daily, 90.62 ft, July 16, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 93.84 ft, Oct. 1, occurred on general recession; minimum daily, 91.70 ft, July 13.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93.84	93.50	93.34	93.15	92.89	92.76	92.66	92.35	91.95	91.92	92.01	92.69
2	93.83	93.48	93.34	93.14	92.88	92.75	92.64	92.32	91.93	91.91	92.03	92.72
3	93.81	93.47	93.33	93.14	92.90	92.74	92.62	92.30	91.91	91.90	92.04	92.72
4	93.78	93.47	93.33	93.16	92.89	92.72	92.60	92.29	91.90	91.89	92.09	92.74
5	93.76	93.46	93.33	93.14	92.88	92.72	92.58	92.29	91.89	91.86	92.12	92.76
6	93.75	93.44	93.34	93.12	92.90	92.71	92.59	92.27	91.86	91.85	92.12	92.81
7	93.73	93.40	93.31	93.10	92.94	92.69	92.63	92.25	91.84	91.84	92.12	92.82
8	93.72	93.38	93.29	93.09	92.93	92.67	92.64	92.23	91.81	91.82	92.13	92.80
9	93.71	93.36	93.28	93.07	92.92	92.66	92.63	92.20	91.79	91.80	92.16	92.80
10	93.69	93.35	93.27	93.07	92.91	92.64	92.61	92.18	91.79	91.78	92.21	92.81
11	93.68	93.33	93.26	93.06	92.90	92.63	92.59	92.17	91.79	91.75	92.23	92.77
12	93.66	93.31	93.26	93.04	92.91	92.62	92.59	92.16	91.79	91.72	92.24	92.77
13	93.65	93.29	93.26	93.02	92.89	92.61	92.59	92.14	91.79	91.70	92.25	92.77
14	93.63	93.27	93.25	93.00	92.88	92.59	92.59	92.12	91.80	91.73	92.25	92.80
15	93.62	93.26	93.25	92.99	92.87	92.58	92.59	92.10	91.85	91.73	92.25	92.79
16	93.61	93.25	93.24	92.99	92.87	92.58	92.59	92.07	91.89	91.73	92.25	92.76
17	93.60	93.24	93.24	92.98	92.85	92.57	92.59	92.03	91.90	91.76	92.24	92.77
18	93.59	93.23	93.24	92.98	92.85	92.55	92.58	92.00	91.90	91.79	92.23	92.76
19	93.57	93.23	93.24	92.99	92.84	92.53	92.57	91.99	91.90	91.79	92.22	92.74
20	93.55	93.22	93.23	92.99	92.84	92.51	92.57	91.96	91.90	91.81	92.32	92.83
21	93.54	93.21	93.22	92.97	92.83	92.56	92.56	91.93	91.90	91.81	---	92.98
22	93.52	93.31	93.21	92.95	92.82	92.79	92.55	91.92	91.90	91.80	---	92.98
23	93.51	93.38	93.21	92.94	92.81	92.78	92.54	91.95	91.91	91.80	---	92.98
24	93.49	93.38	93.20	92.93	92.80	92.77	92.50	92.03	91.92	91.82	---	92.98
25	93.47	93.37	93.20	92.92	92.80	92.75	92.44	92.03	91.92	91.84	---	92.99
26	93.47	93.36	93.19	92.92	92.79	92.74	92.44	92.03	91.92	91.84	---	92.97
27	93.51	93.36	93.18	92.92	92.79	92.72	92.41	92.03	91.93	91.84	---	92.98
28	93.55	93.36	93.18	92.90	92.77	92.71	92.39	92.03	91.95	91.84	---	92.99
29	93.54	93.35	93.17	92.90	---	92.70	92.38	92.02	91.94	91.84	92.42	92.99
30	93.53	93.34	93.17	92.90	---	92.69	92.37	92.00	91.92	91.84	92.51	93.01
31	93.51	---	93.16	92.89	---	92.67	---	91.98	---	91.86	92.58	---
MEAN	93.63	93.35	93.25	93.01	92.86	92.67	92.55	92.11	91.88	91.81	---	92.84
MAX	93.84	93.50	93.34	93.16	92.94	92.79	92.66	92.35	91.95	91.92	---	93.01
MIN	93.47	93.21	93.16	92.89	92.77	92.51	92.37	91.92	91.79	91.70	---	92.69

CAL YR 1984 MEAN 93.75 MAX 94.31 MIN 93.16

02263900 LAKE BUTLER AT WINDERMERE, FL

LOCATION.--Lat 28°29'26", long 81°32'04", in NW¼ sec.17, T.23 S., R.28 E., Orange County, Hydrologic Unit 03090101, on east shore of lake at Windermere.

SURFACE AREA.--1,665 acres (2.60 mi²).

DRAINAGE AREA.--14.5 mi².

PERIOD OF RECORD.--January 1933 to October 1941 (weekly), incomplete, November 1941 to July 1976; August 1976 to current year (weekly), incomplete. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is 90.00 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Nov. 27, 1941, nonrecording gage at site 500 ft south at datum 10.17 ft higher. Nov. 27, 1941 to Mar. 9, 1942, nonrecording gage at site of old hotel pier about 0.4 mi northwest at datum 6.40 ft higher. Mar. 9, 1942 to Dec. 7, 1978, nonrecording gage at present site at datum 6.40 ft higher.

REMARKS.--Lake is one of the Cypress Creek headwaters chain of lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 101.78 ft, Sept. 13, 1960; minimum observed, 94.62 ft, July 21,29, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 99.58 ft, Oct. 3, occurred on general recession; minimum observed, 97.58 ft, June 12.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	97.96	---	---	---	---
2	---	---	---	98.90	---	---	---	---	---	---	---	---
3	99.58	---	---	---	---	---	98.38	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	98.70
5	---	---	99.00	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	98.48	---	---	97.70	---	98.30	---
7	---	99.18	---	---	98.68	---	---	97.88	---	---	---	---
8	---	---	---	---	---	---	---	---	---	97.90	---	---
9	---	---	---	98.96	---	---	---	---	---	---	---	---
10	99.44	---	---	---	---	---	98.28	---	---	---	---	---
11	---	---	99.04	---	---	---	---	---	---	---	---	---
12	---	---	99.04	---	---	---	---	---	97.58	---	---	98.70
13	---	---	---	---	---	98.36	---	---	---	---	---	---
14	---	99.10	---	---	98.60	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	98.30	---
16	---	---	---	98.80	---	---	98.20	97.70	---	---	---	---
17	99.38	---	---	---	---	---	---	---	---	98.00	---	---
18	---	---	99.00	---	---	---	98.19	---	---	---	---	98.70
19	---	---	---	---	---	---	---	---	97.80	---	---	---
20	---	---	---	---	---	98.28	---	---	---	---	---	---
21	---	99.08	---	---	98.58	---	---	97.61	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	98.48	---
23	99.29	---	---	---	---	---	---	---	---	---	---	---
24	99.28	---	---	---	---	---	98.10	97.90	---	---	---	---
25	---	---	---	98.68	---	---	---	---	---	98.10	---	98.90
26	---	99.12	99.00	98.70	---	98.42	---	---	---	---	---	---
27	---	---	---	---	98.49	98.40	---	---	---	---	98.50	---
28	---	---	---	---	---	---	---	---	---	---	98.48	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	98.68	---	---	---	---	98.00	---	---	---
31	99.28	---	---	---	---	---	---	---	---	98.12	---	---

02264000 CYPRESS CREEK AT VINELAND, FL

LOCATION.--Lat 28°23'25", long 81°31'11", in NW¼ sec.21, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, at upstream side of culverts on State Highway 535, 1.0 mi west of Vineland.

DRAINAGE AREA.--30.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 96.20 ft above National Geodetic Vertical Datum of 1929. Prior to June 13, 1946, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records fair. Some diversions by pumping above station for irrigation.

AVERAGE DISCHARGE.--40 years, 5.65 ft³/s, 2.53 in/yr, 4,090 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 354 ft³/s 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7.5 ft³/s, Sept. 4, gage height, 2.30 ft, no peak discharge above base of 30 ft³/s; no flow for many days; creek dry at gage for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	.36	.46	.06	.00	.00	.04	.00	.00	.00	.20	5.4
2	2.1	.34	.42	.05	.00	.00	.03	.00	.00	.00	.10	4.2
3	1.7	.33	.39	.06	.00	.00	.02	.00	.00	.00	.07	3.0
4	1.5	.45	.37	.13	.00	.00	.01	.00	.00	.00	.06	4.8
5	1.3	.43	.38	.10	.00	.00	.00	.00	.00	.00	.05	6.3
6	1.1	.35	.56	.08	.00	.00	.01	.00	.00	.00	.04	6.0
7	.95	.30	.53	.07	.04	.00	.04	.00	.00	.00	.04	6.4
8	.85	.26	.48	.06	.05	.00	.03	.00	.00	.00	.11	4.8
9	.75	.24	.43	.05	.04	.00	.01	.00	.00	.00	.16	3.6
10	.71	.22	.38	.05	.03	.00	.00	.00	.00	.00	.16	2.7
11	.68	.20	.36	.04	.03	.00	.00	.00	.00	.00	.14	2.2
12	.61	.17	.34	.04	.05	.00	.00	.00	.00	.00	.11	1.8
13	.53	.16	.32	.03	.05	.00	.00	.00	.00	.00	.08	1.6
14	.49	.14	.30	.03	.04	.00	.02	.00	.00	.00	.08	2.5
15	.41	.11	.28	.03	.03	.00	.01	.00	.00	.00	.07	2.4
16	.35	.09	.26	.02	.03	.00	.00	.00	.00	.00	.06	1.9
17	.32	.08	.25	.02	.02	.00	.00	.00	.00	.00	.05	1.6
18	.31	.08	.25	.03	.01	.00	.00	.00	.00	.00	.04	1.5
19	.29	.07	.23	.05	.00	.00	.00	.00	.00	.00	.10	1.3
20	.26	.07	.21	.05	.00	.00	.00	.00	.00	.00	1.3	2.8
21	.25	.07	.19	.04	.00	.00	.00	.00	.00	.00	2.2	5.0
22	.23	.38	.17	.03	.00	.14	.00	.00	.00	.00	2.6	3.9
23	.22	.95	.15	.03	.00	.19	.00	.00	.00	.00	5.0	3.1
24	.20	.90	.14	.03	.00	.15	.00	.00	.00	.00	3.4	2.4
25	.17	.80	.12	.03	.00	.13	.00	.00	.00	.00	2.5	2.0
26	.17	.73	.10	.03	.00	.10	.00	.00	.00	.00	1.8	1.7
27	.36	.68	.08	.02	.00	.09	.00	.00	.00	.00	2.5	1.6
28	.71	.62	.08	.02	.00	.08	.00	.00	.00	.00	3.1	1.7
29	.61	.55	.08	.01	---	.07	.00	.00	.00	.00	2.3	1.8
30	.52	.50	.07	.01	---	.06	.00	.00	.00	.00	2.0	1.9
31	.44	---	.06	.00	---	.05	---	.00	---	.00	3.3	---
TOTAL	21.79	10.63	8.44	1.30	.42	1.06	.22	.00	.00	.00	33.72	91.9
MEAN	.70	.35	.27	.04	.01	.03	.01	.00	.00	.00	1.09	3.06
MAX	2.7	.95	.56	.13	.05	.19	.04	.00	.00	.00	5.0	6.4
MIN	.17	.07	.06	.00	.00	.00	.00	.00	.00	.00	.04	1.3
CFSM	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.04	.10
IN.	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00	.04	.11
AC-FT	43	21	17	2.6	.8	2.1	.4	.00	.00	.00	67	182

CAL YR 1984	TOTAL	845.76	MEAN	2.31	MAX	23	MIN	.02	CFSM	.08	IN.	1.04	AC-FT	1680
WTR YR 1985	TOTAL	169.48	MEAN	.46	MAX	6.4	MIN	.00	CFSM	.02	IN.	.21	AC-FT	336

02264000 CYPRESS CREEK AT VINELAND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1966, 1969-74, 1976-80, 1982 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	ACIDITY (MG/L AS H) (71825)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NOV 12...	112	122	3.20	3.80	14.0	400	.60	3.4	.8	1.6	2.5
MAR 05...	144	144	5.60	6.30	16.5	480	1.3	5.5	--	18	2.6
AUG 26...	150	139	3.60	3.60	24.0	720	.50	2.1	.9	2.4	3.3

DATE	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	7.5	.60	<1.0	5.3	22	.010	.01	.070	1.1	.010	52
MAR 05...	8.2	.50	26	.5	22	.010	.02	.190	1.7	.030	44
AUG 26...	7.7	.70	<1.0	12	20	<.010	.02	.420	3.0	.030	100

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 26...	0950	400	<10.0	1	10	2	1100	3	<10	<.10	7	40

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)
AUG 26...	0950	<.1	<1	<.10	<1.0	<.010	<.1	<.1	<1.0	<.010	<.1

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	.2	<.010	<.1	<.01	<.1	<.010	.2	<.010	<.1	<.010

02264000 CYPRESS CREEK AT VINELAND, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	<.1	<.010	<.1	<.010	<.1	<.01	<.010	<.1	<.01

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	<.01	<.01	.4	<.01	<.01

02264100 BONNET CREEK NEAR VINELAND, FL

LOCATION.--Lat 28°19'58", long 81°31'20", in NW¼ sec.9, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on downstream side of bridge on U.S. Highway 192, about 1 mi upstream from Reedy Creek Swamp, and 4.5 mi south of Vineland.

DRAINAGE AREA.--56.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1966 to current year. Results of miscellaneous discharge measurements for some periods prior to May 1966 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder and steel sheet-pile weir with sluice gate. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Oct. 1, 1968, at datum 37.96 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1 to Nov. 14. Records fair. Since October 1968, flow regulated by automatic gates upstream and since December 1970, by control structure S-11-temporary 0.5 mi downstream. Natural flow of stream affected by canals and control structures above station which divert an undetermined amount of water into the Reedy Creek basin. From Oct. 13, 1983 to Feb. 1, 1985 structure S-11-temporary did not regulate the stream because of a washout of the bank around the structure.

AVERAGE DISCHARGE.--19 years, 22.5 ft³/s, 16,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 476 ft³/s, June 28, 1974; maximum gage height, 78.58 ft, Nov. 1, 1969; no flow for many days in most years; minimum gage height, 68.18 ft, Oct. 18,23,25, 1985, estimated, result of washout around structure.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 11, 1960, reached a stage of 42.5 ft, datum then in use, from floodmarks, discharge, 1,200 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 112 ft³/s, Sept. 1; maximum gage height, 74.56 ft, May 23; no flow Feb. 2-8; minimum gage height, 68.18 ft, Oct. 18,23,25, estimated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	5.8	5.4	6.0	3.5	24	17	19	21	23	49	112
2	12	5.8	5.3	6.1	.00	24	17	20	20	23	37	18
3	11	7.0	6.7	6.9	.00	25	18	19	19	24	17	15
4	10	6.8	5.1	8.4	.00	21	18	18	18	25	15	15
5	10	6.8	5.5	9.5	.00	15	17	19	18	25	14	24
6	9.8	6.5	6.4	8.6	.00	15	18	19	18	24	13	100
7	9.5	6.4	6.8	8.1	.00	15	18	18	19	21	12	69
8	9.1	6.4	5.9	7.7	.00	16	20	18	19	20	12	41
9	8.8	6.4	5.4	7.8	12	16	21	19	20	20	13	18
10	8.6	6.2	5.5	7.7	21	17	21	20	19	20	13	16
11	8.4	6.2	5.4	7.4	24	18	23	20	19	20	14	16
12	8.1	6.2	5.5	7.2	20	18	23	23	20	28	13	15
13	7.9	6.1	5.7	7.4	19	18	25	23	24	29	13	15
14	7.6	6.0	5.5	8.5	18	18	27	23	26	26	13	15
15	7.4	5.9	5.4	6.4	18	19	24	21	48	25	13	15
16	7.4	6.3	5.5	7.0	19	18	24	21	32	26	13	15
17	7.2	6.5	5.7	6.3	19	18	26	23	26	29	12	15
18	7.0	6.8	6.0	6.1	19	20	22	26	25	29	13	15
19	7.0	16	6.3	6.8	19	24	18	28	24	50	13	14
20	7.0	14	6.4	6.5	19	17	19	26	22	37	38	38
21	6.8	9.2	6.4	6.5	20	69	19	18	24	32	42	75
22	6.8	7.9	6.1	6.5	21	86	19	19	31	22	57	41
23	6.5	15	6.2	5.9	22	35	19	82	39	28	38	57
24	6.4	15	6.1	5.9	23	32	19	72	26	17	16	46
25	6.2	14	5.8	6.0	23	23	20	27	25	16	15	41
26	6.8	11	5.7	5.9	22	15	19	27	24	15	14	38
27	7.0	11	5.8	6.4	22	15	17	25	24	14	12	34
28	7.0	9.6	5.8	6.3	22	15	17	24	24	14	12	32
29	6.6	6.5	5.9	6.6	---	15	18	20	24	13	18	32
30	6.4	5.5	6.0	6.7	---	16	20	23	23	13	27	36
31	6.1	---	6.0	7.0	---	17	---	24	---	13	58	---
TOTAL	249.4	248.8	181.2	216.1	405.50	714	603	784	721	721	659	1033
MEAN	8.05	8.29	5.85	6.97	14.5	23.0	20.1	25.3	24.0	23.3	21.3	34.4
MAX	13	16	6.8	9.5	24	86	27	82	48	50	58	112
MIN	6.1	5.5	5.1	5.9	.00	15	17	18	18	13	12	14
AC-FT	495	493	359	429	804	1420	1200	1560	1430	1430	1310	2050

CAL YR 1984	TOTAL	8458.2	MEAN	23.1	MAX	231	MIN	1.9	AC-FT	16780
WTR YR 1985	TOTAL	6536.00	MEAN	17.9	MAX	112	MIN	.00	AC-FT	12960

02264100 BONNET CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1961, 1963, 1966, 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	0958	128	6.60	18.0	120	6.0	5.4	13	3.8	5.3
MAR 05...	1104	133	6.60	18.5	80	1.5	4.3	14	4.1	5.9
MAY 07...	0849	135	6.40	24.5	50	.60	4.6	14	4.1	5.4
AUG 26...	1000	130	6.50	28.0	110	1.8	3.8	13	3.6	5.2

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	1.5	35	12	12	.010	.02	.060	.84	.030	17
MAR 05...	2.2	35	13	12	<.010	.03	.040	.74	.040	16
MAY 07...	2.1	36	14	11	<.010	<.01	.030	.54	.030	8.5
AUG 26...	2.2	28	13	12	.010	.05	.060	1.2	.050	18

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY 07...	0849	50	<1	<10.0	1	10	8
AUG 26...	1000	180	--	<10.0	<1	<10	3

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 07...	350	3	10	<.10	4	<1	30
AUG 26...	620	1	<10	.30	3	--	20

KISSIMMEE RIVER BASIN

02264100 BONNET CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)
AUG 26...	1000	<.1	<1	<.10	<1.0	<.010	.5	<.1	1.0	<.010	<.1

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	.1	<.010	<.1	.01	<.1	<.010	.1	<.010	<.1	<.010

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	<.1	<.010	<.1	<.010	<.1	<.01	<.010	<.1	.18

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	.01	<.01	<.1	<.01	<.01

02264495. SHINGLE CREEK AT CAMPBELL, FL

LOCATION.--Lat 28°16'01", long 81°26'53", in SE¼ sec.31, T.25 S., R.29 E., Osceola County, Hydrologic Unit 03090101, on right bank 200 ft downstream from bridge on county road, 300 ft downstream from Atlantic Coast Line Railroad bridge, 0.8 mi northeast of Campbell, and 2.5 mi upstream from Lake Tohopekaliga.

DRAINAGE AREA.--180 mi², approximately, includes part of watershed in Reedy Creek Swamp.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Water-stage recorder for Lake Tohopekaliga at Kissimmee (station 02264900) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Shingle Creek above station or into the Reedy Creek basin.

AVERAGE DISCHARGE.--17 years, 131 ft³/s, 94,910 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,510 ft³/s, Oct. 5, 1969, gage height, 59.72 ft; minimum daily discharge, 3.1 ft³/s, May 9,10, 1971; minimum gage height, 49.78 ft May 10, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 792 ft³/s, Sept. 21, gage height 56.91 ft; minimum daily discharge, 27 ft³/s, May 17; minimum gage height, 51.94 ft, June 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	67	74	59	52	44	60	38	89	199	325	446
2	115	67	73	60	47	45	57	37	71	164	326	451
3	107	63	71	57	56	47	53	29	60	138	376	423
4	100	68	74	61	59	43	49	45	52	118	436	414
5	89	63	67	62	51	43	43	45	47	98	470	434
6	81	66	67	60	58	49	49	43	41	109	630	506
7	77	64	68	58	66	52	53	37	39	144	633	479
8	77	61	65	60	67	41	58	36	40	125	589	454
9	76	59	64	59	64	39	59	37	41	104	538	421
10	75	56	66	60	63	42	56	38	44	85	477	370
11	75	51	67	57	55	39	55	38	47	68	417	320
12	71	57	68	62	62	38	57	37	48	72	351	279
13	69	56	69	62	60	38	59	37	61	145	315	249
14	64	55	68	53	58	36	59	36	100	149	348	312
15	64	54	70	57	59	43	55	35	118	124	280	294
16	63	51	68	56	61	54	54	32	127	123	230	242
17	63	53	67	48	60	48	55	27	132	132	200	227
18	60	51	67	62	61	51	53	31	142	168	167	211
19	58	51	67	64	58	43	50	30	143	250	158	212
20	60	59	64	60	60	40	52	29	151	432	175	409
21	56	60	62	65	60	103	51	41	152	401	277	782
22	60	94	59	57	57	314	48	40	167	381	237	719
23	60	119	62	55	53	190	44	51	295	352	223	623
24	61	89	62	53	52	166	42	140	271	340	228	588
25	64	80	63	57	50	168	39	90	237	401	239	589
26	65	83	67	66	52	165	39	74	225	396	234	570
27	69	82	65	56	48	143	38	91	224	400	262	539
28	75	81	67	50	50	113	36	117	215	382	334	511
29	69	78	65	59	---	89	39	127	205	335	302	485
30	68	73	63	54	---	72	44	123	197	281	275	418
31	70	---	59	54	---	62	---	108	---	233	266	---
TOTAL	2270	2011	2058	1803	1599	2460	1506	1719	3781	6849	10318	12977
MEAN	73.2	67.0	66.4	58.2	57.1	79.4	50.2	55.5	126	221	333	433
MAX	115	119	74	66	67	314	60	140	295	432	633	782
MIN	56	51	59	48	47	36	36	27	39	68	158	211
AC-FT	4500	3990	4080	3580	3170	4880	2990	3410	7500	13580	20470	25740

CAL YR 1984	TOTAL	66362	MEAN	181	MAX	1300	MIN	36	AC-FT	131600
WTR YR 1985	TOTAL	49351	MEAN	135	MAX	782	MIN	27	AC-FT	97890

02264900 LAKE TOHOPEKALIGA AT KISSIMMEE, FL

LOCATION.--Lat 28°17'20", long 81°24'20", in NW¼ sec.27, T.25 S., R.29 E., Osceola County, Hydrologic Unit 03090101, at north end of lake, on end of public pier at Kissimmee.

SURFACE AREA.--18,790 acres (29.4 mi²).

DRAINAGE AREA.--620 mi², approximately.

PERIOD OF RECORD.--January 1942 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 15, 1950, at site 9 mi south on west shore of lake at datum 50.36 ft higher.

REMARKS.--Lake is one of the Kissimmee River headwaters chain of lakes. Since 1963, the improvement of canals and natural drains between these lakes and the construction of dams with gated controls has resulted in the partial regulation of lake stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 59.40 ft, Sept. 25, 1960; minimum daily, 48.37 ft, Apr. 22, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 54.43 ft, Sept. 22; minimum daily, 51.88 ft, June 9.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.70	53.73	53.85	53.94	53.90	53.88	54.10	53.12	51.96	52.65	53.44	53.99
2	53.66	53.71	53.86	53.94	53.92	53.86	54.09	53.10	51.95	52.66	53.46	53.78
3	53.68	53.74	53.87	53.95	53.86	53.84	54.07	53.11	51.94	52.64	53.48	53.73
4	53.69	53.75	53.86	53.88	53.83	53.87	54.11	53.00	51.94	52.65	53.52	53.68
5	53.70	53.74	53.91	53.83	53.90	53.86	54.16	53.03	51.94	52.68	53.60	53.68
6	53.69	53.65	53.87	53.85	53.88	53.81	54.10	53.01	51.93	52.70	53.68	53.76
7	53.68	53.61	53.79	53.88	53.84	53.80	54.08	53.01	51.92	52.70	53.72	53.78
8	53.67	53.63	53.83	53.86	53.81	53.81	54.05	52.98	51.91	52.68	53.77	53.79
9	53.66	53.65	53.84	53.87	53.84	53.82	54.00	52.94	51.88	52.66	53.74	53.80
10	53.65	53.67	53.85	53.87	53.87	53.79	54.02	52.88	51.89	52.69	53.62	53.80
11	53.63	53.68	53.85	53.86	53.97	53.80	54.02	52.84	52.05	52.70	53.50	53.82
12	53.66	53.60	53.86	53.77	53.81	53.78	53.95	52.79	52.06	52.65	53.43	53.83
13	53.68	53.60	53.86	53.78	53.83	53.78	53.93	52.75	52.11	52.69	53.40	53.83
14	53.69	53.61	53.86	53.85	53.84	53.78	53.95	52.70	52.14	52.75	53.43	53.77
15	53.69	53.62	53.86	53.81	53.85	53.77	53.94	52.66	52.16	52.75	53.40	53.82
16	53.69	53.62	53.87	53.84	53.86	53.81	53.86	52.62	52.25	52.74	53.38	53.85
17	53.68	53.62	53.87	53.90	53.86	53.80	53.79	52.54	52.32	52.74	53.33	53.84
18	53.68	53.65	53.87	53.84	53.86	53.68	53.74	52.48	52.31	52.77	53.29	53.90
19	53.68	53.64	53.89	53.86	53.87	53.76	53.69	52.47	52.33	52.80	53.26	53.90
20	53.67	53.59	53.89	53.84	53.85	53.79	53.63	52.46	52.35	52.93	53.24	54.05
21	53.68	53.60	53.90	53.74	53.88	53.85	53.58	52.41	52.34	53.04	53.27	54.41
22	53.66	53.48	53.90	53.79	53.89	54.07	53.55	52.46	52.40	53.13	53.30	54.43
23	53.64	53.46	53.90	53.81	53.90	54.07	53.50	52.49	52.47	53.09	53.32	54.39
24	53.61	53.68	53.90	53.85	53.90	54.09	53.45	52.42	52.47	53.15	53.39	54.33
25	53.58	53.80	53.90	53.84	53.89	54.09	53.41	52.37	52.53	53.28	53.47	54.25
26	53.60	53.82	53.90	53.79	53.89	54.11	53.36	52.32	52.55	53.29	53.54	54.17
27	53.69	53.84	53.90	53.85	53.88	54.14	53.29	52.26	52.51	53.35	53.61	54.16
28	53.78	53.83	53.91	53.87	53.86	54.15	53.20	52.20	52.54	53.37	53.74	54.14
29	53.77	53.80	53.92	53.83	---	54.16	53.14	52.14	52.58	53.39	53.82	54.19
30	53.75	53.83	53.92	53.87	---	54.17	53.12	52.06	52.59	53.41	53.83	54.20
31	53.73	---	53.93	53.89	---	54.15	---	52.00	---	53.44	54.05	---
MEAN	53.68	53.67	53.88	53.85	53.87	53.91	53.76	52.63	52.21	52.91	53.52	53.97
MAX	53.78	53.84	53.93	53.95	53.97	54.17	54.16	53.12	52.59	53.44	54.05	54.43
MIN	53.58	53.46	53.79	53.74	53.81	53.68	53.12	52.00	51.88	52.64	53.24	53.68

CAL YR 1984 MEAN 53.64 MAX 55.14 MIN 51.42
WTR YR 1985 MEAN 53.49 MAX 54.43 MIN 51.88

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL

LOCATION.--Lat 28°23'05", long 81°37'00", in NW¼ sec.21, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, near center of channel, 12 ft downstream from culverts on Hartzog Road, 7 mi west of Vineland.

DRAINAGE AREA.--12.4 mi².

PERIOD OF RECORD.--May 1966 to current year.

WATER-DISCHARGE RECORDS

GAGE.--Water-stage recorder. Datum of gage is 7.23 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Sept. 19-30. Records good.

AVERAGE DISCHARGE.--19 years, 2.73 ft³/s, 2.99 in/yr, 1,980 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 52 ft³/s, July 27, 1984; maximum gage height, 94.78 ft, July 27, 1984; no flow for many days each year; creek dry at gage for many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 19 ft³/s, Sept. 6-8; maximum gage height, 94.37 ft, Sept. 6,7; no flow for many days; creek dry at gage for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	4.5
2	2.8	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	11
3	2.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	13
4	2.4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14
5	2.2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14
6	2.0	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	19
7	1.9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	19
8	1.7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	19
9	1.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	17
10	1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15
11	1.4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14
12	1.3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12
13	1.1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11
14	.99	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11
15	.87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10
16	.73	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.6
17	.63	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.9
18	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.6
19	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.2
20	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11
21	.26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	17
22	.21	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	16
23	.17	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	14
24	.11	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	11
25	.04	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.0
26	.07	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.7
27	.16	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.8
28	.09	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.8
29	.06	.10	.00	.00	---	.00	.00	.00	.00	.00	.00	7.0
30	.00	.05	.00	.00	---	.00	.00	.00	.00	.00	.00	7.1
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	31.18	1.56	.07	.00	.00	.00	.00	.00	.00	.00	.00	351.2
MEAN	1.01	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.7
MAX	3.0	.32	.03	.00	.00	.00	.00	.00	.00	.00	.00	19
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.5
CFSM	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.94
IN.	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.05
AC-FT	62	3.1	.1	.00	.00	.00	.00	.00	.00	.00	.00	697

CAL YR 1984	TOTAL	2038.30	MEAN	5.57	MAX	52	MIN	.00	CFSM	.45	IN.	6.11	AC-FT 4040
WTR YR 1985	TOTAL	384.01	MEAN	1.05	MAX	19	MIN	.00	CFSM	.08	IN.	1.15	AC-FT 762

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968-72, 1974, 1976-80, 1982 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	1201	80	4.00	13.0	400	.50	3.6	5.5	2.5	8.2

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	1.3	1.0	4.3	23	.010	.02	.230	1.8	.040	65

02266294 LATERAL 405 BELOW S-405 NEAR VINELAND, FL

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1971 to 1972, 1975 to current year.

LOCATION.--Lat 28°23'39", long 81°35'07", in SW¼ sec.14, T.24 S., R. 27E., Orange County, Hydrologic Unit 03090101, at downstream side of structure S-405 on Bear Island Road, 1.7 mi south of Walt Disney World's Magic Kingdom, and 6 mi southwest of Windermere.

DRAINAGE AREA.--Indeterminate.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)
AUG 26...	1145	<.1	4	<.10	<1.0	<.010	<.1	<.1	9.0	<.010	<.1

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	<.1	<.010	<.1	.01	<.1	<.010	.3	<.010	<.1	<.010

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	<.1	<.010	<.1	<.010	.3	<.01	.020	<.1	.06

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	.13	<.01	<.1	<.01	.11

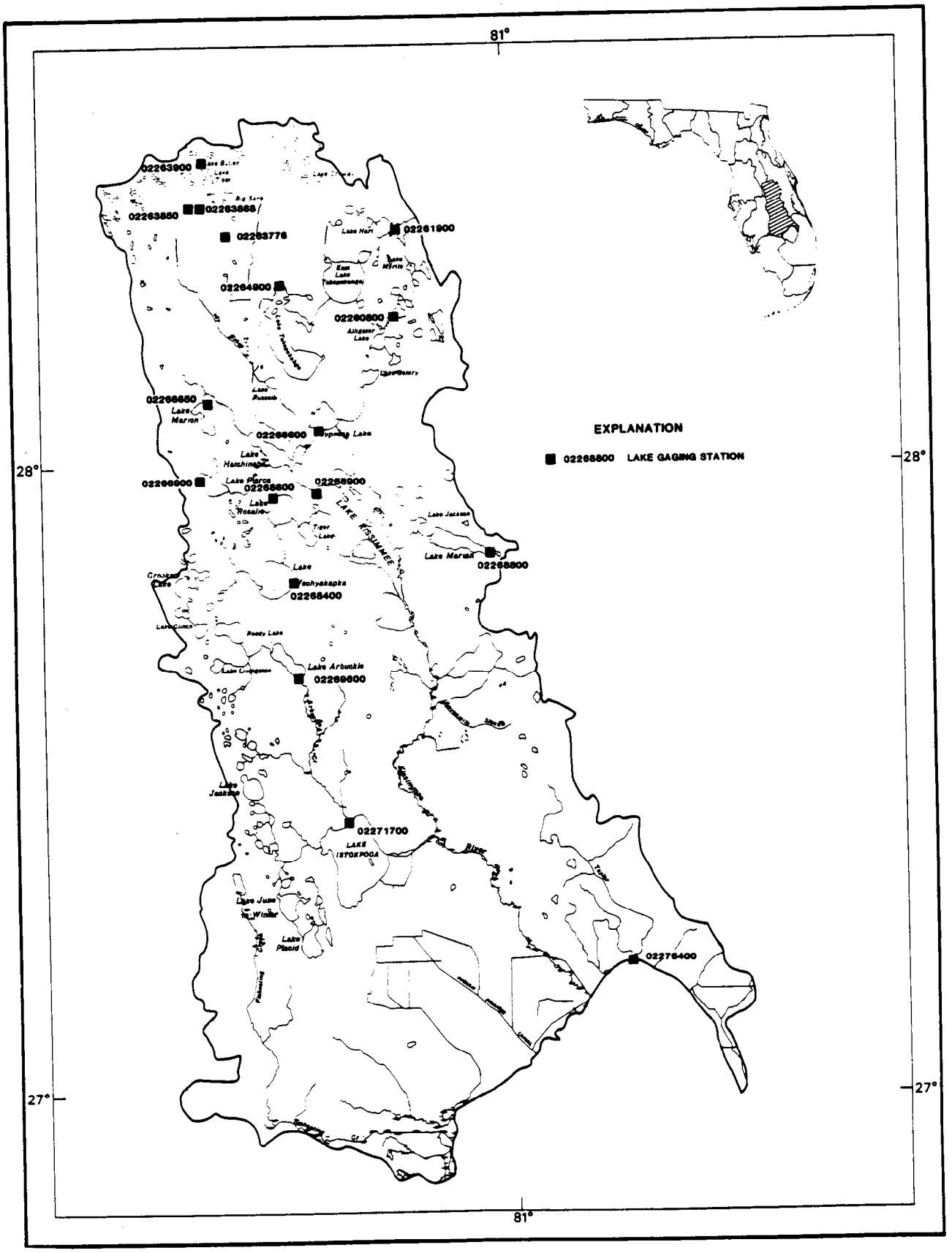


Figure 5. Location of lake gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

02266300 REEDY CREEK NEAR VINELAND, FL

LOCATION.--Lat 28°19'57", long 81°34'48", in NE¼ sec.11, T.25 S., R.27 E., Osceola County, Hydrologic Unit 03090101, on downstream side of bridge on U.S. Highway 192, about 2.5 mi upstream from bridge on Interstate Highway 4, 6.5 mi southwest of Vineland, and 28 mi upstream from mouth.

DRAINAGE AREA.--75 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1960, 1962-66 (annual maximum), May 1966 to current year. Results of miscellaneous discharge measurements for some periods prior to May 1966 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is 66.37 ft above National Geodetic Vertical Datum of 1929. Sept. 26, 1962, to January 1966, crest-stage gage at site 100 ft upstream at same datum.

REMARKS.--Estimated daily discharges: Oct. 1-12. Records good.

AVERAGE DISCHARGE.--19 years, 31.0 ft³/s, 22,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,910 ft³/s, Sept. 11, 1960, gage height, 14.9 ft, from floodmark; no flow for many days in some years; minimum gage height, 8.18 ft, May 12, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 322 ft³/s, Sept. 1, gage height, 11.46 ft; minimum, 4.3 ft³/s, May 17, gage height, 8.60 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	11	11	18	12	12	15	6.7	12	17	74	285
2	30	12	11	18	12	13	14	6.2	11	16	73	162
3	26	12	11	19	14	12	14	7.4	9.6	15	50	86
4	27	12	11	21	14	12	13	7.9	8.2	15	46	55
5	25	12	11	19	13	12	11	8.5	7.8	15	46	49
6	23	11	14	18	14	12	13	8.2	8.1	18	91	104
7	22	12	14	17	17	11	15	6.3	7.3	19	49	137
8	21	12	13	14	17	10	15	6.0	7.1	15	37	83
9	20	11	12	13	16	11	13	5.2	8.4	14	41	75
10	19	11	12	12	16	12	12	5.5	8.2	14	41	81
11	17	11	14	13	16	13	12	6.2	8.4	15	34	50
12	15	11	14	16	17	12	12	8.4	14	15	29	43
13	14	11	14	15	16	13	13	7.5	17	20	30	37
14	14	9.6	13	15	16	16	14	5.2	20	33	36	41
15	15	8.4	13	15	16	19	12	5.4	26	38	38	43
16	14	8.6	14	15	15	30	12	6.1	29	31	38	40
17	14	8.7	14	16	14	22	12	5.1	25	24	55	62
18	14	8.3	14	16	14	19	11	4.7	19	22	27	42
19	13	8.5	13	16	15	17	10	5.6	16	32	24	31
20	19	9.6	12	14	16	14	11	6.4	14	58	49	50
21	24	10	15	14	15	25	11	5.6	14	56	116	125
22	24	17	25	13	15	82	10	5.6	22	43	84	96
23	50	24	18	13	14	71	9.0	12	27	43	87	80
24	37	23	18	13	14	44	9.2	29	23	72	56	79
25	17	21	18	14	12	46	9.2	20	20	63	47	49
26	13	18	17	13	13	40	9.0	21	19	43	41	38
27	14	15	18	12	13	37	7.3	17	19	34	36	34
28	15	12	18	11	13	23	5.7	13	18	32	44	37
29	17	11	18	12	---	18	6.1	11	18	26	45	34
30	37	11	18	13	---	16	6.9	11	17	22	45	43
31	14	---	18	12	---	15	---	14	---	25	91	---
TOTAL	659	372.7	456	460	409	709	337.4	287.7	473.1	905	1600	2171
MEAN	21.3	12.4	14.7	14.8	14.6	22.9	11.2	9.28	15.8	29.2	51.6	72.4
MAX	50	24	25	21	17	82	15	29	29	72	116	285
MIN	13	8.3	11	11	12	10	5.7	4.7	7.1	14	24	31
AC-FT	1310	739	904	912	811	1410	669	571	938	1800	3170	4310

CAL YR 1984	TOTAL	17657.9	MEAN	48.2	MAX	329	MIN	8.3	AC-FT	35020
WTR YR 1985	TOTAL	8839.9	MEAN	24.2	MAX	285	MIN	4.7	AC-FT	17530

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961-63, 1965-66, 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1977 to current year.
pH: June 1977 to current year.
WATER TEMPERATURE: June 1977 to current year.
DISSOLVED OXYGEN: June 1977 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE Maximum daily mean, 391 microsiemens, May 12, 1985; minimum daily mean, 75 microsiemens, Sept. 3, Oct. 13, 1983; Apr. 5, 1984.
pH: Maximum daily mean, 7.4 units, Jan. 5, 1980; minimum daily mean, 4.9 units July 21, 1978.
WATER TEMPERATURE: Maximum daily mean, 28.5°C, July 14, 1980; minimum daily mean, 6.5°C, Dec. 26, 1983, Jan. 22, 1985.
DISSOLVED OXYGEN: Maximum daily mean, 9.8 mg/L, Mar. 3, 1980; minimum daily mean, .1 mg/L, Sept. 5, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily mean, 391 microsiemens, May 12; minimum daily mean, 84 microsiemens, Sept 2.
pH: Maximum daily mean, 7.0 units, Feb. 2; minimum daily mean, 5.6 units, Mar. 23.
WATER TEMPERATURE: Maximum daily mean, 27.0°C, June 4,5; minimum daily mean, 6.5°C, Jan. 22.
DISSOLVED OXYGEN: Maximum daily mean, 9.6 mg/L, Jan. 22; minimum daily mean, 0.6 mg/L, June 4.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	215	237	275	247	299	258	367	285	284	119	97
2	176	231	238	---	247	299	268	367	315	300	118	84
3	184	235	245	---	254	282	274	373	323	306	136	114
4	174	214	243	---	253	296	309	367	320	313	150	131
5	151	237	239	---	245	308	314	355	317	322	158	137
6	170	234	238	---	255	305	320	357	339	319	132	122
7	192	244	222	---	231	305	293	355	335	305	155	102
8	192	254	222	---	224	301	277	371	334	292	155	109
9	196	249	227	---	238	322	282	375	348	311	157	120
10	209	259	241	---	261	330	292	379	348	311	168	123
11	212	265	241	---	265	323	299	377	356	338	180	125
12	196	260	241	---	245	315	316	391	333	314	202	132
13	197	261	224	---	238	326	316	373	324	283	202	139
14	207	266	227	---	252	296	308	364	298	250	187	133
15	213	266	225	---	260	270	299	357	266	227	176	135
16	193	284	240	---	279	257	306	364	249	226	188	136
17	209	280	242	---	281	265	338	362	235	229	173	134
18	210	272	239	---	272	271	354	388	241	251	217	131
19	213	272	237	---	284	274	336	376	267	217	224	136
20	182	296	233	---	295	284	350	374	277	171	179	115
21	159	284	229	---	296	257	337	377	275	174	118	100
22	167	235	211	---	294	150	339	373	259	194	106	95
23	167	225	232	---	315	150	319	341	234	194	94	106
24	175	217	240	---	306	161	330	295	222	176	132	112
25	192	217	237	256	278	180	335	299	236	175	163	117
26	215	233	246	260	275	197	345	270	263	187	172	128
27	241	221	246	230	286	204	353	270	265	200	170	134
28	236	195	261	216	297	229	352	265	255	211	155	135
29	218	212	263	237	---	247	343	271	275	233	151	138
30	167	229	278	250	---	251	353	289	280	243	155	133
31	202	---	281	248	---	263	---	274	---	233	129	---
MEAN	193	245	240	---	267	265	317	346	289	251	159	122
MAX	241	296	281	---	315	330	354	391	356	338	224	139
MIN	151	195	211	---	224	150	258	265	222	171	94	84

CAL YR 1984 MEAN 175 MAX 296 MIN 75

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	6.3	6.2	6.3	6.9	6.7	6.2	6.5	6.3	6.7	6.0	6.0
2	6.3	6.4	6.3	6.3	7.0	6.8	6.2	6.4	6.4	6.7	5.9	5.6
3	6.3	6.5	6.3	6.2	6.5	6.7	6.2	6.5	6.5	6.8	6.1	---
4	6.2	6.3	6.3	6.2	6.8	6.8	6.2	6.5	6.6	6.8	6.2	---
5	5.9	6.4	6.3	6.2	6.9	6.6	6.3	6.5	6.6	6.8	6.3	---
6	6.1	6.4	6.3	6.2	6.8	6.4	6.3	6.5	6.6	6.8	6.2	---
7	6.3	6.4	6.3	6.2	6.4	6.3	6.2	6.5	6.6	6.6	6.3	---
8	6.4	6.4	6.2	6.2	6.3	6.3	6.2	6.5	6.7	6.7	6.3	---
9	6.4	6.4	6.2	6.2	6.3	6.3	6.2	6.5	6.7	6.7	6.3	---
10	6.4	6.5	6.3	6.2	6.4	6.3	6.2	6.6	6.7	6.7	6.3	---
11	6.5	6.5	6.3	6.3	6.3	6.3	6.2	6.6	6.7	6.8	6.4	---
12	6.4	6.5	6.3	6.3	6.4	6.3	6.2	6.6	6.6	6.8	6.5	---
13	6.4	6.4	6.3	6.3	6.3	6.3	6.2	6.6	6.5	6.6	6.5	---
14	6.4	6.4	6.3	6.3	6.4	6.2	6.2	6.6	6.4	6.3	6.4	---
15	6.5	6.4	6.3	6.3	6.3	6.1	6.2	6.6	6.1	6.2	6.4	---
16	6.3	6.5	6.3	6.3	6.4	6.0	6.2	6.6	6.0	6.3	6.4	---
17	6.4	6.5	6.3	6.3	6.3	6.1	6.3	6.6	6.1	6.6	6.3	---
18	6.4	6.4	6.3	6.3	6.3	6.2	6.3	6.5	6.3	6.7	6.6	---
19	6.4	6.4	6.3	6.3	6.3	6.2	6.3	6.5	6.5	6.5	6.6	---
20	6.2	6.5	6.3	6.4	6.3	6.1	6.3	6.5	6.5	6.1	6.4	---
21	6.1	6.4	6.2	6.4	6.4	6.1	6.3	6.5	6.5	6.1	6.1	---
22	6.1	6.2	6.1	6.4	6.3	5.7	6.4	6.6	6.3	6.2	6.0	---
23	5.9	6.1	6.2	6.4	6.4	5.6	6.3	6.4	6.1	6.3	5.9	---
24	6.0	6.1	6.3	6.4	6.5	5.7	6.4	5.9	6.2	6.2	6.1	---
25	6.2	6.1	6.2	6.3	6.5	5.8	6.4	6.1	6.4	6.2	6.2	---
26	6.3	6.2	6.3	6.7	6.5	5.9	6.4	6.0	6.6	6.3	6.3	---
27	6.4	6.1	6.3	6.6	6.6	6.0	6.4	6.1	6.6	6.3	6.3	---
28	6.4	6.1	6.3	6.5	6.8	6.0	6.5	6.1	6.6	6.5	6.3	---
29	6.4	6.2	6.3	6.5	---	6.1	6.5	6.2	6.6	6.6	6.2	---
30	5.9	6.2	6.3	6.6	---	6.1	6.5	6.3	6.7	6.7	6.2	---
31	6.2	---	6.3	6.9	---	6.2	---	6.2	---	6.7	6.1	---
MEAN	6.3	6.3	6.3	6.4	6.5	6.2	6.3	6.4	6.5	6.5	6.3	---
MAX	6.5	6.5	6.3	6.9	7.0	6.8	6.5	6.6	6.7	6.8	6.6	---
MIN	5.9	6.1	6.1	6.2	6.3	5.6	6.2	5.9	6.0	6.1	5.9	---

CAL YR 1984 MEAN 6.4 MAX 7.2 MIN 5.5

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

TEMPERATURE, WATER (DEG C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	23.0	16.5	19.0	18.0	20.5	21.5	21.5	24.5	25.5		---
2	21.0	23.0	17.5	20.0	20.0	20.0	19.0	21.5	25.0	25.5		---
3	20.5	23.0	18.5	20.0	20.0	19.5	18.0	22.0	26.0	25.5		---
4	21.0	23.0	19.0	18.5	19.0	20.0	17.5	22.5	27.0	25.5		---
5	21.5	23.0	20.0	15.0	19.0	21.0	18.5	22.5	27.0	26.0		24.5
6	21.5	20.5	20.0	13.0	19.0	21.0	20.0	22.0	26.0	25.0		24.5
7	22.0	17.5	14.0	12.5	17.5	20.5	20.0	22.0	26.0	25.5		25.0
8	22.5	17.0	12.0	13.5	14.5	20.0	21.0	22.0	26.0	26.5		23.5
9	22.0	18.0	11.5	12.5	13.0	20.0	19.5	22.5	25.5	26.5		24.0
10	22.5	18.0	12.0	13.5	14.0	20.5	18.0	22.5	25.5	26.5		20.5
11	23.0	19.0	14.0	15.0	15.0	21.0	18.5	23.0	25.5	26.5		25.0
12	23.0	16.0	15.0	13.0	13.5	21.0	19.0	23.5	25.0	25.5		25.0
13	22.5	14.5	15.5	11.0	11.5	21.0	19.5	24.0	24.0	24.5		23.5
14	22.0	14.0	17.0	11.5	11.0	21.0	20.5	24.5	23.5	24.5		23.5
15	22.0	15.0	17.5	12.5	11.5	20.5	20.5	24.5	23.0	24.0		23.0
16	23.0	15.5	17.5	11.5	11.0	20.5	20.5	24.5	24.0	24.5		23.5
17	23.0	16.5	17.5	14.0	12.0	20.5	21.0	23.5	24.5	25.0		22.5
18	23.0	17.5	17.5	15.5	14.0	17.0	21.0	22.5	25.5	25.5		22.5
19	23.0	19.0	17.5	14.0	16.0	15.5	21.0	22.0	26.0	24.5		22.5
20	22.5	20.0	17.5	12.5	17.0	16.5	21.0	23.5	25.5	23.5		21.5
21	23.0	19.0	17.5	8.5	17.0	17.0	21.0	24.5	25.0	24.0		22.0
22	23.0	16.5	18.0	6.5	18.0	18.5	21.0	25.0	24.0	24.5		17.5
23	23.0	14.5	17.5	7.5	18.5	18.5	21.5	24.0	24.0	25.0		20.0
24	22.5	16.0	17.5	10.0	19.5	18.5	22.0	22.5	24.5	24.5		22.5
25	22.5	17.5	18.0	14.0	19.5	19.5	22.5	23.0	25.0	24.5		24.5
26	23.5	17.5	19.0	12.5	19.5	18.5	22.0	23.0	25.5	25.0		24.5
27	24.0	18.5	20.5	10.5	20.0	18.5	22.0	22.5	25.5	25.0		24.5
28	24.0	18.5	20.5	13.0	20.5	19.0	22.5	22.5	25.5	25.0		24.0
29	24.0	16.5	19.5	14.0	---	19.5	23.0	23.0	25.5	26.0		24.0
30	23.5	15.0	19.0	13.5	---	20.5	23.0	23.5	25.5	26.0		24.0
31	23.0	---	18.5	16.0	---	21.0	---	24.0	---	---		---
MEAN	22.5	18.0	17.0	13.5	16.5	19.5	20.5	23.0	25.0	---		---
MAX	24.0	23.0	20.5	20.0	20.5	21.0	23.0	25.0	27.0	---		---
MIN	20.5	14.0	11.5	6.5	11.0	15.5	17.5	21.5	23.0	---		---

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.6	5.8	2.7	5.6	3.0	2.9	1.7	1.9	1.7	4.2	3.4
2	4.3	3.9	5.6	2.3	4.8	3.2	3.2	1.8	1.6	1.7	3.9	3.1
3	4.5	3.8	5.1	2.2	4.5	3.6	3.4	1.7	1.1	1.6	3.9	2.8
4	4.5	3.6	4.0	2.6	5.0	3.3	3.1	1.7	.6	1.6	3.6	2.9
5	4.2	3.6	3.9	4.8	5.1	2.8	2.7	1.8	.7	1.5	3.7	3.0
6	4.0	3.9	3.6	6.0	5.0	2.9	2.5	1.9	.8	1.7	4.0	3.3
7	4.0	4.9	5.7	6.4	5.3	2.8	2.6	1.9	.7	1.8	3.3	3.0
8	4.0	5.2	6.9	6.0	6.7	2.9	2.3	1.9	.7	1.5	3.1	3.0
9	3.8	5.1	7.1	6.2	7.1	3.3	2.4	1.9	.8	1.5	3.1	3.0
10	3.8	5.2	7.1	6.1	6.6	2.6	2.7	2.0	.8	1.6	3.1	2.8
11	3.9	4.9	6.5	5.6	6.0	2.5	2.5	1.9	.8	1.6	3.0	2.9
12	3.8	5.7	6.1	6.7	6.7	2.8	2.2	1.9	1.2	1.9	2.5	3.0
13	4.0	6.1	6.2	7.9	8.0	2.8	2.1	1.7	1.5	2.3	2.6	3.1
14	4.1	6.4	5.8	7.7	8.4	2.9	1.9	1.4	1.7	3.0	3.0	3.3
15	4.1	6.2	5.4	7.4	7.9	3.3	1.6	1.5	2.4	3.0	3.1	3.2
16	3.7	5.9	5.3	7.9	8.2	3.7	1.6	1.5	2.4	2.5	3.1	3.0
17	3.8	5.7	5.1	6.6	7.5	3.3	1.6	1.7	2.2	1.8	3.2	3.3
18	4.0	5.5	4.9	5.5	5.8	4.4	1.4	1.7	1.5	1.4	2.3	3.1
19	4.1	4.9	4.7	6.1	4.8	5.0	1.4	1.9	1.4	2.7	2.1	3.3
20	4.4	3.7	4.7	6.7	4.1	4.1	1.5	1.6	1.3	3.6	3.1	4.2
21	4.2	3.7	4.6	8.2	4.2	4.9	1.6	1.4	1.5	3.4	3.8	3.6
22	4.2	4.7	3.9	9.6	4.3	5.9	1.6	1.4	2.1	3.0	4.0	3.3
23	4.0	5.8	4.3	9.5	4.0	5.6	1.5	2.4	2.6	3.2	3.3	3.2
24	3.7	5.5	4.5	8.4	3.5	5.7	1.4	2.9	2.3	4.1	3.0	3.0
25	3.5	4.9	4.2	6.6	3.3	5.5	1.4	2.6	1.9	3.5	2.8	2.9
26	3.3	4.2	4.0	6.8	3.5	5.8	1.5	2.8	1.7	3.1	2.7	2.9
27	3.1	4.2	3.5	8.1	3.1	5.7	1.5	2.5	1.6	2.8	2.9	3.0
28	3.0	4.7	3.0	7.3	3.1	4.7	1.5	2.2	1.7	2.3	2.7	3.1
29	3.3	5.5	3.0	6.8	---	4.1	1.4	1.9	1.7	1.8	2.6	3.0
30	3.2	6.3	3.0	7.0	---	3.5	1.5	1.9	1.8	1.8	2.5	2.7
31	3.3	---	2.9	6.4	---	3.3	---	2.0	---	2.5	3.4	---
MEAN	3.9	4.9	4.9	6.4	5.4	3.9	2.0	1.9	1.5	2.3	3.1	3.1
MAX	4.5	6.4	7.1	9.6	8.4	5.9	3.4	2.9	2.6	4.1	4.2	4.2
MIN	3.0	3.6	2.9	2.2	3.1	2.5	1.4	1.4	.6	1.4	2.1	2.7

CAL YR 1984 MEAN 4.7 MAX 8.4 MIN 2.1
WTR YR 1985 MEAN 3.6 MAX 9.6 MIN .6

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	1028	200	6.40	14.5	240	.70	5.9	16	4.5	26
JAN 07...	1339	220	6.00	11.0	200	1.1	8.3	17	4.6	23
MAR 05...	1040	246	6.80	17.0	120	1.3	3.7	19	4.7	28
MAY 06...	1005	325	6.90	21.0	75	.50	2.0	21	5.0	39
JUL 18...	0945	251	--	24.0	160	.50	2.1	17	4.1	23
AUG 26...	1040	208	6.20	24.5	360	.90	3.0	16	4.7	18

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	5.0	51	15	35	.050	.83	.190	.96	.560	26
JAN 07...	5.1	48	18	34	.040	1.2	.120	.86	.320	--
MAR 05...	5.5	63	10	36	.090	1.3	.350	1.5	.610	11
MAY 06...	6.6	75	11	45	.140	1.2	1.20	1.9	.750	9.0
JUL 18...	4.9	45	14	30	.070	.70	2.40	3.1	.860	21
AUG 26...	3.3	29	18	27	.080	1.4	.480	2.4	.480	46

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
NOV 12...	1028	240	1	<10.0	<1	10	1
MAR 05...	1040	120	1	<10.0	<1	<10	7
MAY 06...	1005	80	<1	<10.0	1	10	1
AUG 26...	1040	340	<1	<10.0	1	10	3

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	1028	200	6.40	14.5	240	.70	5.9	16	4.5	26
JAN 07...	1339	220	6.00	11.0	200	1.1	8.3	17	4.6	23
MAR 05...	1040	246	6.80	17.0	120	1.3	3.7	19	4.7	28
MAY 06...	1005	325	6.90	21.0	75	.50	2.0	21	5.0	39
JUL 18...	0945	251	--	24.0	160	.50	2.1	17	4.1	23
AUG 26...	1040	208	6.20	24.5	360	.90	3.0	16	4.7	18

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	5.0	51	15	35	.050	.83	.190	.96	.560	26
JAN 07...	5.1	48	18	34	.040	1.2	.120	.86	.320	--
MAR 05...	5.5	63	10	36	.090	1.3	.350	1.5	.610	11
MAY 06...	6.6	75	11	45	.140	1.2	1.20	1.9	.750	9.0
JUL 18...	4.9	45	14	30	.070	.70	2.40	3.1	.860	21
AUG 26...	3.3	29	18	27	.080	1.4	.480	2.4	.480	46

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
NOV 12...	1028	240	1	<10.0	<1	10	1
MAR 05...	1040	120	1	<10.0	<1	<10	7
MAY 06...	1005	80	<1	<10.0	1	10	1
AUG 26...	1040	340	<1	<10.0	1	10	3

02266300 REEDY CREEK NEAR VINELAND, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV 12...	360	2	10	2.40	1	<1	10
MAR 05...	240	1	10	.30	2	<1	30
MAY 06...	160	2	10	.70	<1	<1	10
AUG 26...	500	3	10	<.10	3	<1	90

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39363)
AUG 26...	1040	<.1	4	<.10	<1.0	<.010	3.1	<.1	8.0	<.010	.7

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39373)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39571)	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	1.2	<.010	<.1	.01	<.1	<.010	.4	<.010	<.1	<.010

DATE	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39399)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	1.0	<.010	<.1	<.010	<.1	<.01	<.010	<.1	<.01

DATE	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39531)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA-THION, TOTAL (UG/L) (39600)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI-THION, TOTAL (UG/L) (39790)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39541)	PER-THANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PER-THANE IN BOTTOM MATERIL (UG/KG) (81886)	TOX-APHENE, TOTAL (UG/L) (39400)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	<.01	<.01	.6	<.01	<.01

02266480 DAVENPORT CREEK NEAR LOUGHMAN, FL

LOCATION.--Lat 28°16'15", long 81°35'28", in NW¼ sec.35, T.25 S., R.26 E., Osceola County, Hydrologic Unit 03090101, at downstream side of culverts on State Highway 545, 2.0 mi upstream from mouth, and 2.5 mi northwest of Loughman.

DRAINAGE AREA.--23 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 80.49 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Estimated daily discharges: Nov. 12-21, Feb. 28 to Mar. 21, Apr. 4 to May 10, and Aug. 8-30. Records good except for periods of estimated daily record, which are fair.

AVERAGE DISCHARGE.--16 years, 10.5 ft³/s, 6.20 in/yr, 7,610 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 498 ft³/s, Sept. 22, 1969, gage height, 9.76 ft; minimum, 0.32 ft³s, May 19, 1981; minimum gage height, 4.02 ft (corrected), May 7,8, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92 ft³/s, Sept. 21, gage height, 7.55 ft, only peak greater than base discharge of 80 ft³/s; minimum, 0.80 ft³/s, May 10,11; minimum gage height, 4.31 ft, June 3-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	2.7	4.1	2.9	3.2	2.2	2.4	1.3	1.1	3.8	6.5	53
2	11	2.8	4.4	3.0	3.1	2.1	2.4	1.1	.97	2.8	7.8	76
3	8.8	2.7	3.4	3.2	3.1	2.0	2.4	1.4	.94	1.5	6.9	71
4	11	2.7	3.6	4.0	3.1	1.8	2.1	1.6	.89	1.5	4.8	56
5	7.1	2.7	4.2	5.0	3.1	1.8	1.8	1.5	.91	1.5	7.2	40
6	5.8	2.7	4.1	5.7	3.2	1.8	2.1	1.3	.89	2.0	5.8	29
7	5.5	3.1	4.0	3.9	5.6	1.6	2.2	1.2	.97	3.2	6.0	24
8	5.3	2.9	3.9	3.2	5.8	1.4	2.0	1.1	1.5	5.1	11	23
9	5.0	2.6	3.8	3.5	4.2	1.3	1.9	1.0	1.7	2.8	15	20
10	4.7	2.4	3.7	3.6	4.8	1.3	1.8	1.1	1.3	1.6	14	16
11	4.4	2.4	2.7	3.5	4.3	1.4	1.7	1.2	1.2	1.5	10	13
12	4.2	2.1	3.2	3.4	4.6	1.3	1.6	2.0	1.4	2.0	7.0	10
13	4.0	1.9	3.1	3.4	5.5	1.1	1.6	1.4	3.7	2.8	8.0	9.2
14	3.9	1.7	3.6	3.5	5.2	1.0	1.9	1.2	3.0	2.1	8.9	16
15	4.3	1.5	3.3	3.3	4.9	1.1	2.1	1.1	3.7	2.7	9.0	18
16	3.7	1.5	3.2	3.0	4.4	2.0	2.2	1.0	6.5	3.4	7.0	19
17	3.4	1.6	3.2	3.0	4.1	1.7	2.1	.98	5.2	2.6	6.1	15
18	2.8	1.5	3.2	3.6	3.5	1.4	1.8	.93	2.9	2.8	7.0	11
19	2.7	1.5	3.3	3.7	2.9	1.3	1.6	1.0	1.5	5.7	7.4	9.1
20	2.8	1.4	3.4	3.5	2.7	1.4	1.8	1.4	1.4	17	15	26
21	3.1	2.0	3.2	4.3	3.2	3.0	1.8	1.3	3.8	16	30	82
22	3.0	5.1	3.0	4.2	3.0	29	1.5	1.2	9.3	8.7	23	88
23	2.9	11	3.2	3.9	3.1	30	1.4	1.8	6.2	5.2	27	75
24	2.8	6.9	3.6	3.3	2.9	19	1.2	2.5	5.3	6.4	22	58
25	2.7	4.6	3.3	3.8	2.7	14	1.2	2.3	3.7	7.4	15	40
26	2.8	6.6	3.2	3.7	2.5	8.6	1.1	2.1	2.0	12	10	25
27	2.9	5.8	3.2	3.6	2.4	5.3	1.1	2.8	2.0	9.2	20	20
28	3.1	4.9	3.5	3.5	2.2	3.8	1.0	1.8	2.0	8.5	16	16
29	3.1	4.9	4.1	3.4	---	3.5	1.1	1.6	2.6	8.1	18	13
30	2.9	3.5	3.3	3.5	---	3.3	1.6	1.5	2.3	5.3	13	12
31	2.8	---	3.2	3.7	---	2.9	---	1.5	---	4.6	19	---
TOTAL	148.5	99.7	108.2	112.8	103.3	153.4	52.5	45.21	80.87	159.8	383.4	983.3
MEAN	4.79	3.32	3.49	3.64	3.69	4.95	1.75	1.46	2.70	5.15	12.4	32.8
MAX	16	11	4.4	5.7	5.8	30	2.4	2.8	9.3	17	30	88
MIN	2.7	1.4	2.7	2.9	2.2	1.0	1.0	.93	.89	1.5	4.8	9.1
CFSM	.21	.14	.15	.16	.16	.22	.08	.06	.12	.22	.54	1.43
IN.	.24	.16	.18	.18	.17	.25	.08	.07	.13	.26	.62	1.59
AC-FT	295	198	215	224	205	304	104	90	160	317	760	1950

CAL YR 1984	TOTAL	6903.9	MEAN	18.9	MAX	177	MIN	1.4	CFSM	.82	IN.	11.17	AC-FT	13690
WTR YR 1985	TOTAL	2430.98	MEAN	6.66	MAX	88	MIN	.89	CFSM	.29	IN.	3.93	AC-FT	4820

02266480 DAVENPORT CREEK NEAR LOUGHMAN, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965, 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	1112	142	6.90	14.0	100	.50	8.1	17	6.8	3.8
MAR 05...	1013	128	6.90	16.5	140	.50	7.4	17	5.7	4.0
MAY 06...	1045	150	6.70	20.0	55	.30	6.7	19	7.1	3.8
AUG 26...	0920	116	6.60	25.0	480	.70	5.4	18	4.7	5.1

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	2.7	39	16	13	.010	3.5	.030	.50	.040	10
MAR 05...	1.7	42	9.6	11	.010	1.8	.040	.92	.010	19
MAY 06...	2.6	44	14	12	.010	3.1	.030	.54	.040	7.0
AUG 26...	1.2	29	13	16	<.010	<.02	.010	2.1	.050	68

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY 06...	1045	70	<1	<10.0	1	<10	<1
AUG 26...	0920	140	<1	<10.0	1	10	2

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 06...	160	3	10	1.50	3	<1	20
AUG 26...	620	1	10	1.40	3	<1	120

02266480 DAVENPORT CREEK NEAR LOUGHMAN, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)
AUG 26...	0920	<.1	<1	<.10	<1.0	<.010	<.1	<.1	<1.0	<.010	<.1

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	.1	<.010	<.1	<.01	<.1	<.010	<.1	<.010	<.1	<.010

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	2.3	<.010	<.1	<.010	<.1	<.01	<.010	<.1	<.01

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	<.01	<.01	<.1	<.01	.02

02266500 REEDY CREEK NEAR LOUGHMAN, FL

LOCATION.--Lat 28°15'48", long 81°32'12", in SW¼ sec.32, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on left bank 20 ft upstream from bridge on U.S. Highways 17 and 92, 1.0 mi downstream from Reedy Creek Improvement District Structure 40. 2.5 mi northeast of Loughman, 3 mi downstream from Davenport Creek, and 21 mi upstream from mouth.

DRAINAGE AREA.--110 mi², approximately, includes an indeterminate portion of the Reedy Creek Swamp watershed.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to September 1959, July 1968 to current year.

REVISED RECORDS.--WRD FL 1968: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 64.49 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 20, 1940, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Reedy Creek above station or into the Shingle Creek basin. Since May 1970, flow regulated by Reedy Creek Improvement District Structure 40.

AVERAGE DISCHARGE.--37 years (water years 1940-59, 1969-85), 67.4 ft³/s, 48,830 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 790 ft³/s, Sept. 24, 1969, gage height, 4.25 ft, from rating curve extended above 400 ft³/s; no flow for many days in some years; minimum gage height. -0.25 ft, June 1, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 152 ft³/s, Sept. 24,25, gage height, 2.83 ft; no flow for many days; minimum gage height, 0.26 ft, May 9,10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	16	6.3	2.7	1.3	.91	.38	.02	.00	18	35	90
2	22	15	5.7	2.5	1.3	.80	.17	.00	.00	18	33	107
3	22	15	5.4	2.7	1.3	.63	.00	.00	.00	17	33	112
4	21	17	5.1	3.2	1.2	.57	.00	.00	.00	17	33	115
5	21	16	4.9	3.0	1.2	.54	.03	.00	.00	17	34	121
6	20	16	4.7	2.7	1.4	.46	.07	.00	.00	19	34	125
7	20	15	4.4	2.6	2.0	.36	.16	.00	.00	21	34	128
8	19	15	4.2	2.5	2.1	.30	.05	.00	.00	20	36	130
9	19	15	3.9	2.3	2.0	.30	.00	.00	.00	19	35	132
10	18	15	3.1	2.1	2.0	.30	.00	.00	.00	19	34	133
11	17	15	2.7	1.0	2.1	.26	.00	.00	.00	18	34	131
12	17	15	2.5	.40	2.5	.20	.00	.00	.00	17	33	128
13	16	15	2.4	.04	2.3	.14	.49	.00	.02	18	34	125
14	15	15	2.2	.00	2.2	.10	1.2	.00	.32	19	35	129
15	15	15	1.9	.00	2.2	.20	1.3	.00	.39	22	34	126
16	14	14	1.4	.46	2.1	.57	1.4	.00	.15	29	34	121
17	14	14	1.2	1.3	2.1	.57	1.3	.00	.00	25	34	112
18	13	14	1.1	1.8	2.1	.55	1.1	.00	.00	23	33	86
19	13	15	.94	2.1	2.1	.46	.90	.00	.00	24	33	77
20	13	15	.85	2.1	2.0	.40	.82	.00	.00	27	34	99
21	13	16	.91	2.0	1.8	2.4	.80	.00	.00	29	35	143
22	13	20	1.0	1.7	1.7	10	.78	.00	.00	28	36	143
23	13	24	1.2	1.6	1.5	7.5	.71	.02	.00	28	40	148
24	14	24	1.3	1.5	1.3	5.6	.63	.14	3.2	29	42	152
25	15	24	1.6	1.7	1.3	4.3	.58	.00	13	29	42	151
26	15	23	1.8	1.7	1.2	3.2	.55	.00	15	30	40	146
27	15	24	2.1	1.5	1.0	1.7	.47	.00	16	31	41	135
28	16	21	2.8	1.5	.94	2.0	.33	.00	17	31	43	121
29	16	12	2.9	1.4	---	2.1	.16	.00	17	30	43	111
30	15	7.8	3.0	1.3	---	1.8	.09	.00	17	29	44	100
31	16	---	2.9	1.3	---	.73	---	.00	---	30	51	---
TOTAL	513	497.8	86.40	52.70	48.24	49.95	14.47	.18	99.08	731	1136	3677
MEAN	16.5	16.6	2.79	1.70	1.72	1.61	.48	.01	3.30	23.6	36.6	123
MAX	23	24	6.3	3.2	2.5	10	1.4	.14	17	31	51	152
MIN	13	7.8	.85	.00	.94	.10	.00	.00	.00	17	33	77
AC-FT	1020	987	171	105	96	99	29	.4	197	1450	2250	7290

CAL YR 1984	TOTAL	27131.20	MEAN	74.1	MAX	330	MIN	.85	AC-FT	53810
WTR YR 1985	TOTAL	6905.82	MEAN	18.9	MAX	152	MIN	.00	AC-FT	13700

02266500 REEDY CREEK NEAR LOUGHMAN, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1965, 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
NOV 12...	1054	185	6.50	15.5	--	1.0	5.1	16	5.1	17
JAN 07...	1400	212	6.00	11.0	160	.80	3.8	20	5.4	17
MAR 05...	0930	218	6.50	16.5	120	1.2	3.2	19	5.2	19
MAY 06...	1030	250	6.70	21.5	60	1.3	2.3	19	5.4	23
JUL 18...	1020	218	--	23.5	240	.40	4.6	18	4.8	17
AUG 26...	0835	117	6.20	25.0	480	1.9	1.7	14	3.6	7.6

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 12...	4.4	44	18	25	.010	1.6	.060	.79	.310	18
JAN 07...	4.4	52	19	28	.020	.02	.440	1.8	.210	--
MAR 05...	4.2	55	14	26	.020	.78	.140	1.2	.320	12
MAY 06...	5.3	59	17	30	.020	1.3	.120	.82	.490	8.5
JUL 18...	3.6	39	26	27	.010	--	.080	1.1	.380	31
AUG 26...	1.9	25	9.6	16	.010	.06	.010	2.7	.120	58

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
NOV 12...	1054	190	1	<10.0	<1	10	<1
MAR 05...	0930	70	1	<10.0	<1	20	9
MAY 06...	1030	180	<1	<10.0	1	<10	<1
AUG 26...	0835	290	<1	<10.0	1	10	3

02266500 REEDY CREEK NEAR LOUGHMAN, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV 12...	290	1	10	.20	2	<1	10
MAR 05...	200	<1	20	1.30	1	<1	20
MAY 06...	170	5	10	1.10	<1	<1	30
AUG 26...	700	2	20	1.30	3	--	80

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39363)
AUG 26...	0835	<.1	3	<.10	<1.0	<.010	<.1	<.1	3.0	<.010	.4

DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39373)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39571)	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)
AUG 26...	<.010	.8	<.010	<.1	<.01	<.1	<.010	.4	<.010	<.1	<.010

DATE	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39399)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)
AUG 26...	<.1	<.01	.8	<.010	<.1	<.010	.4	<.01	<.010	<.1	<.01

DATE	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39531)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA-THION, TOTAL (UG/L) (39600)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI-THION, TOTAL (UG/L) (39790)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39541)	PER-THANE TOTAL (UG/L) (39034)
AUG 26...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PER-THANE IN BOTTOM MATERIL (UG/KG) (81886)	TOX-APHENE, TOTAL (UG/L) (39400)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39758)	SILVEX, TOTAL (UG/L) (39760)	2, 4-DP TOTAL (UG/L) (82183)
AUG 26...	<1.00	<1	<10	<.01	<.1	<.01	<.01	.2	<.01	<.01

02266550 REEDY CREEK AT STATE HIGHWAY 531 NEAR POINSIANNA, FL

LOCATION.--Lat 28°08'59", long 81°26'28", in SE¼ sec.7, T.27 S., R.29 E., Osceola County, Hydrologic Unit 03090101, at bridge on State Highway 531, 1.6 mi upstream from Lake Russell, and about 9 mi southeast of Poinsianna.

DRAINAGE AREA.--170 mi², approximately.

PERIOD OF RECORD.--October 1978 to current year (discharge measurements only).

EXTREMES FOR PERIOD OF RECORD.--Maximum measured, 464 ft³/s Sept. 17, 1979; no flow observed at times most years.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)
OCT				MAY			
17...	1000	5.9	23.0	23...	1250	--	26.5
DEC				JUL			
14...	1040	5.4	16.0	10...	1335	--	31.5
JAN				SEP			
30...	1105	1.3	13.0	13...	1425	57	26.5
MAR							
21...	1230	--	18.0				

02266600 CYPRESS LAKE NEAR ST. CLOUD, FL

LOCATION.--Lat 28°04'29", long 81°18'07", in SW¼ sec.2, T.28 S., R.30 E., Osceola County, Hydrologic Unit 03090101, on east shore of lake, near mouth of Canoe Creek, and about 12 mi south of St. Cloud.

SURFACE AREA.--4,085 acres (6.38 mi²).

DRAINAGE AREA.--1,162 mi², combined drainage area of Cypress Lake and Lake Hatchineha.

PERIOD OF RECORD.--January 1942 to current year. Records of elevations prior to October 1960 are unpublished and and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Dec. 13, 1973, at site 2.3 mi southwest at datum 48.78 ft higher and Dec. 13, 1973 to June 21, 1979, at site 2.3 mi southwest at present datum.

REMARKS.--Lake is one of the Kissimmee River headwaters chain of lakes. Stage is affected by operation of control structures upstream and downstream. Flow into Short Canal begins at about elevation 53.2 ft. Overflow over the south shore begins at a slightly higher stage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 57.18 ft, Sept. 26, 1960; minimum daily, 47.60 ft, June 4, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 52.27 ft, Sept. 26; minimum daily, 49.60 ft, June 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.12	50.86	50.87	50.81	50.66	50.59	50.39	50.28	49.89	49.94	---	51.39
2	51.05	50.86	50.88	50.81	50.72	50.59	50.36	50.27	49.83	49.92	---	51.38
3	51.05	50.90	50.87	50.82	50.61	50.52	50.34	50.28	49.80	49.91	---	51.39
4	51.05	50.94	50.85	50.85	50.57	50.56	50.37	50.17	49.77	49.88	---	51.45
5	51.05	50.94	50.92	50.71	50.65	50.56	50.38	50.07	49.74	49.93	---	51.47
6	51.03	50.81	50.95	50.72	50.65	50.49	50.38	50.05	49.73	49.96	---	51.41
7	51.02	50.76	50.76	50.75	50.59	50.42	50.35	50.03	49.70	49.94	---	51.33
8	51.01	50.77	50.82	50.73	50.50	50.48	50.32	50.03	49.67	49.91	---	51.24
9	50.98	50.79	50.83	50.71	50.51	50.50	50.22	49.99	49.62	49.90	---	51.13
10	50.98	50.83	50.82	50.72	50.58	50.48	50.28	49.93	49.60	49.90	---	51.03
11	50.97	50.87	50.83	50.73	50.67	50.47	50.32	49.92	49.63	49.91	---	51.02
12	50.97	50.76	50.82	50.60	50.76	50.48	50.32	49.98	49.72	49.99	---	51.01
13	50.99	50.73	50.82	50.59	50.54	50.42	50.38	---	49.84	50.08	---	50.97
14	51.01	50.74	50.82	50.68	50.54	50.41	50.42	---	49.91	50.12	---	50.91
15	51.01	50.76	50.79	50.66	50.56	50.37	50.46	---	49.90	50.17	---	50.93
16	50.99	50.74	50.80	50.65	50.56	50.40	50.49	---	49.97	50.22	---	50.97
17	50.99	50.72	50.80	50.75	50.56	50.44	50.40	---	49.93	50.22	---	50.95
18	50.98	50.71	50.80	50.69	50.54	50.25	50.39	---	49.95	50.30	---	51.01
19	50.98	50.71	50.81	50.68	50.57	50.29	50.43	---	49.91	50.31	---	51.07
20	50.96	50.63	50.82	50.72	50.56	50.33	50.43	---	49.89	---	---	51.22
21	50.97	50.60	50.82	50.58	50.52	50.39	50.41	---	49.89	---	---	51.56
22	50.96	50.61	50.82	50.59	50.57	50.52	50.43	---	49.92	---	---	51.83
23	50.92	50.55	50.81	50.62	50.58	50.45	50.46	49.88	49.90	---	---	52.03
24	50.88	50.59	50.81	50.65	50.60	50.45	50.47	49.94	49.88	---	---	52.13
25	50.84	50.82	50.78	50.69	50.60	50.40	50.47	49.95	49.92	---	---	52.19
26	50.83	50.84	50.78	50.57	50.59	50.37	50.47	49.90	49.97	---	---	52.27
27	50.94	50.87	50.79	50.61	50.59	50.42	50.46	49.89	49.92	---	---	52.26
28	50.95	50.89	50.79	50.68	50.56	50.43	50.43	49.92	49.93	---	---	52.12
29	50.93	50.82	50.81	50.60	---	50.41	50.37	49.93	50.00	---	---	52.15
30	50.91	50.84	50.80	50.63	---	50.42	50.29	49.95	49.95	---	51.08	52.17
31	50.88	---	50.80	50.66	---	50.41	---	49.94	---	---	51.20	---
MEAN	50.97	50.78	50.82	50.69	50.59	50.44	50.39	---	49.84	---	---	51.47
MAX	51.12	50.94	50.95	50.85	50.76	50.59	50.49	---	50.00	---	---	52.27
MIN	50.83	50.55	50.76	50.57	50.50	50.25	50.22	---	49.60	---	---	50.91

CAL YR 1984 MEAN 50.89 MAX 52.95 MIN 48.87

KISSIMMEE RIVER BASIN

02266650 LAKE MARION NEAR HAINES CITY, FL

LOCATION.--Lat 28°05'56", long 81°31'51", in SE¼ sec.29, T.27 S., R.28 E., Polk County, Hydrologic Unit 03090101, on northeast shore of lake, 4.5 mi east of Haines City.

SURFACE AREA.--2,968 acres (4.64 mi²).

DRAINAGE AREA.--35.7 mi².

PERIOD OF RECORD.--February 1958 to August 1958 (weekly), incomplete, September 1958 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). July 21, 1959, to Sept. 8, 1963, at site 500 ft north at datum 63.22 ft higher. Sept. 9, 1963, to Jan. 29, 1974, at present site at datum 63.22 ft higher.

REMARKS.--Lake is in the headwaters of Kissimmee River. Outflow from lake is through Lake Marion Creek to Lake Hatchineha.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 67.52 ft, Sept. 12,15, 1960; minimum observed, 64.86 ft, June 1, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 66.94 ft, Sept. 22,23; minimum observed, 65.04 ft, June 7,8.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.14	65.88	65.96	65.84	65.74	65.66	65.68	65.44	65.10	65.38	66.10	66.26
2	66.12	65.86	65.96	65.82	65.74	65.64	65.66	65.42	65.09	65.40	66.10	66.28
3	66.10	65.86	65.96	65.82	65.74	65.64	65.66	65.40	65.08	65.40	66.12	66.28
4	66.08	65.88	65.96	65.82	65.74	65.62	65.64	65.40	65.08	65.44	66.14	66.26
5	66.08	65.88	65.94	65.80	65.74	65.62	65.64	65.40	65.06	65.46	66.14	66.26
6	66.06	65.86	65.94	65.80	65.74	65.62	65.66	65.38	65.06	65.48	66.14	66.26
7	66.04	65.86	65.94	65.80	65.78	65.60	65.66	65.38	65.04	65.48	66.20	66.28
8	66.04	65.84	65.92	65.78	65.78	65.60	65.64	65.36	65.04	65.46	66.26	66.28
9	66.04	65.84	65.92	65.78	65.78	65.58	65.64	65.36	65.08	65.46	66.26	66.26
10	66.02	65.82	65.90	65.78	65.78	65.58	65.62	65.34	65.08	65.44	66.24	66.24
11	66.02	65.82	65.90	65.76	65.80	65.58	65.62	65.38	65.10	65.42	66.22	66.22
12	66.02	65.82	65.90	65.76	65.80	65.58	65.62	65.38	65.10	65.42	66.20	66.20
13	66.00	65.80	65.90	65.76	65.78	65.56	65.60	65.36	65.14	65.46	66.20	66.18
14	66.00	65.80	65.88	65.76	65.78	65.56	65.60	65.34	65.18	65.48	66.22	66.16
15	65.98	65.80	65.88	65.74	65.76	65.56	65.60	65.32	65.28	65.60	66.22	66.16
16	65.96	65.80	65.88	65.74	65.74	65.56	65.60	65.30	65.28	65.62	66.20	66.14
17	65.96	65.78	65.86	65.78	65.74	65.54	65.58	65.28	65.26	65.64	66.20	66.14
18	65.94	65.78	65.86	65.78	65.72	65.52	65.58	65.26	65.26	65.70	66.18	66.16
19	65.94	65.78	65.86	65.78	65.72	65.52	65.58	65.24	65.24	65.74	66.18	66.22
20	65.92	65.76	65.86	65.78	65.72	65.50	65.56	65.22	65.26	65.72	66.18	66.88
21	65.92	65.76	65.86	65.76	65.70	65.70	65.56	65.22	65.28	65.74	66.16	66.92
22	65.92	65.80	65.86	65.76	65.70	65.78	65.56	65.21	65.30	65.74	66.22	66.94
23	65.90	65.84	65.86	65.76	65.70	65.78	65.54	65.20	65.30	65.72	66.22	66.94
24	65.90	65.90	65.86	65.74	65.68	65.78	65.54	65.20	65.30	65.78	66.20	66.92
25	65.88	65.90	65.84	65.78	65.68	65.76	65.52	65.18	65.32	65.84	66.20	66.92
26	65.86	65.90	65.84	65.78	65.68	65.76	65.52	65.18	65.36	65.98	66.18	66.90
27	65.90	65.90	65.84	65.78	65.66	65.74	65.50	65.16	65.36	66.00	66.20	66.90
28	65.90	65.88	65.84	65.76	65.66	65.74	65.48	65.14	65.40	66.00	66.20	66.88
29	65.90	65.88	65.84	65.76	---	65.72	65.48	65.14	65.40	66.00	66.20	66.88
30	65.88	65.92	65.84	65.76	---	65.70	65.46	65.12	65.38	66.02	66.22	66.86
31	65.88	---	65.84	65.74	---	65.68	---	65.12	---	66.06	66.24	---
MEAN	65.98	65.84	65.89	65.78	65.73	65.64	65.59	65.28	65.21	65.65	66.19	66.47
MAX	66.14	65.92	65.96	65.84	65.80	65.78	65.68	65.44	65.40	66.06	66.26	66.94
MIN	65.86	65.76	65.84	65.74	65.66	65.50	65.46	65.12	65.04	65.38	66.10	66.14

CAL YR 1984 MEAN 66.03 MAX 66.74 MIN 65.54
WTR YR 1985 MEAN 65.77 MAX 66.94 MIN 65.04

02266900 LAKE PIERCE NEAR WAVERLY, FL

LOCATION.--Lat 27°58'37", long 81°32'33", in NW¼ sec.8, T.29 S., R.28 E., Polk County, Hydrologic Unit 03090101, on west shore of lake, at public boat landing, 4.5 mi east of Waverly, and 5.5 mi northeast of town of Lake Wales.

SURFACE AREA.--3,736 acres (5.84 mi²).

DRAINAGE AREA.--58.9 mi².

PERIOD OF RECORD.--December 1947 to September 1971, October 1971 to current year (fragmentary). Prior to August 1959, records reviously published as Catfish Creek near Lake Wales (station 02267000). Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark); gage readings have been reduced to elevations NGVD. Prior to Aug. 20, 1959, water-stage recorder on left bank of Catfish Creek 0.2 mi downstream from lake. Aug. 21, 1959, to Sept. 30, 1971, water-stage recorder, and Oct. 1, 1971, to July 13, 1981, nonrecording gage at present site at datum 72.13 ft higher.

REMARKS.--Outflow from lake is through Catfish Creek to Lake Hatchineha, one of the Kissimmee River headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 78.91 ft Sept. 17,18, 1960; minimum observed, 75.23 ft, May 24, 1985.

ELEVATION, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
23...	0900	76.06	24...	1510	75.23
DEC			JULY		
17...	1355	76.01	12...	1310	75.69
JAN			AUG		
29...	1245	75.84	08...	1120	76.52
MAR			SEPT		
27...	1425	75.80	06...	1345	77.00

02267000 CATFISH CREEK NEAR LAKE WALES, FL

LOCATION.--Lat 27°57'40", long 81°29'48", in sec.14, T.29 S., R.28 E., Polk County, Hydrologic Unit 03090101, on left bank, 0.2 mi downstream from Lake Pierce, 7 mi northeast of city of Lake Wales, and 9.3 mi upstream from mouth.

DRAINAGE AREA.--58.9 mi².

PERIOD OF RECORD.--October 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 72.70 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--38 years, 44.6 ft³/s, 10.28 in/yr, 32,310 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 235 ft³/s, Sept. 17,18, 1960; maximum gage height, 6.02 ft, Sept. 15, 1960, affected by wind; no flow, June 3-10, 1985; minimum gage height, 2.26 ft, June 8, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 50 ft³/s, Sept. 22-26,29; maximum gage height, 4.31 ft, Sept. 26; no flow, June 3-10; minimum gage height, 2.26 ft, June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	12	16	15	12	9.0	8.4	3.5	.07	5.8	26	37
2	23	12	16	15	12	8.9	8.2	3.6	.05	6.2	26	39
3	22	13	16	15	13	8.6	7.9	3.6	.00	5.9	25	39
4	22	14	16	16	12	7.9	7.3	3.2	.00	5.8	26	39
5	21	15	16	16	12	7.9	7.1	2.9	.00	6.3	26	39
6	21	15	16	15	12	7.6	7.5	2.7	.00	8.0	26	39
7	21	13	16	15	12	6.9	7.8	2.4	.00	7.9	26	38
8	20	13	15	15	12	6.7	7.5	2.2	.00	7.9	26	38
9	20	12	15	15	11	6.7	7.2	1.9	.00	7.7	26	37
10	20	12	15	14	11	6.6	6.4	1.7	.00	7.6	26	37
11	19	12	15	15	11	6.4	5.6	1.7	.16	7.3	25	36
12	19	12	15	15	13	6.3	5.7	1.8	1.0	8.2	25	36
13	18	12	15	14	12	6.2	6.2	1.7	1.2	12	25	36
14	18	11	15	14	11	6.2	6.4	1.5	1.8	12	25	35
15	18	11	15	14	11	6.4	6.4	1.4	1.9	12	25	34
16	17	11	15	14	11	7.0	6.8	1.2	1.8	12	25	34
17	17	11	15	14	11	7.4	6.2	1.4	2.4	12	25	34
18	16	10	16	14	11	7.2	5.9	1.1	2.6	12	25	33
19	16	10	16	15	11	6.0	5.7	.92	2.6	15	25	33
20	16	11	16	15	9.9	5.3	5.6	.81	3.2	19	25	40
21	16	11	16	15	9.4	6.6	5.5	.37	3.5	19	24	49
22	15	14	16	15	9.2	10	5.1	.51	3.7	18	25	50
23	14	17	16	14	9.2	11	4.8	.88	3.9	18	30	50
24	14	16	16	14	9.3	11	4.8	.58	3.9	19	31	50
25	14	16	16	14	9.4	10	4.8	.33	3.6	21	32	50
26	14	16	16	15	9.4	9.5	4.6	.27	4.3	22	32	50
27	14	15	15	14	9.3	8.9	4.3	.21	5.2	25	32	49
28	14	15	15	14	9.2	8.7	4.2	.17	5.5	25	34	49
29	14	16	15	14	---	8.5	4.0	.16	6.5	25	34	50
30	14	16	16	12	---	8.3	3.8	.13	5.8	25	34	49
31	13	---	15	12	---	8.1	---	.05	---	25	34	---
TOTAL	544	394	482	448	305.3	241.8	181.7	44.89	64.68	432.6	851	1229
MEAN	17.5	13.1	15.5	14.5	10.9	7.80	6.06	1.45	2.16	14.0	27.5	41.0
MAX	24	17	16	16	13	11	8.4	3.6	6.5	25	34	50
MIN	13	10	15	12	9.2	5.3	3.8	.05	.00	5.8	24	33
AC-FT	1080	781	956	889	606	480	360	89	128	858	1690	2440

CAL YR 1984	TOTAL	12588	MEAN	34.4	MAX	79	MIN	10	AC-FT	24970
WTR YR 1985	TOTAL	5218.97	MEAN	14.3	MAX	50	MIN	.00	AC-FT	10350

02268400 LAKE WEOHYAKAPKA AT INDIAN LAKE ESTATES, FL

LOCATION.--Lat 27°48'50", long 81°23'16", in NE¼ sec.2, T.31 S., R.29 E., Polk County, Hydrologic Unit 03090101, on east shore of lake, on end of public pier at Indian Lake Estates, and 8.5 mi east of Babson Park.

SURFACE AREA.--7,555 acres (11.8 mi²).

DRAINAGE AREA.--93.5 mi².

PERIOD OF RECORD.--February 1958 to September 1960 (weekly to monthly), October 1960 to September 1961 (fragmentary), October 1961 to current year (weekly). Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Marion Engineer Associates, Inc. bench mark).

REMARKS.--Lake is at the headwater of Weohyakapka Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 63.43 ft on or about Sept. 30, 1960, from floodmark; minimum observed, 58.90 ft, July 4,25, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 61.90 ft, Aug. 30; minimum observed, 59.36 ft, June 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	60.68	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	60.20	---	---	60.20	---	---
4	---	---	---	---	---	---	---	---	59.36	---	---	---
5	---	60.28	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	59.56	---	---	---	61.82
7	---	---	60.44	---	60.28	---	---	---	---	---	61.19	---
8	60.58	---	---	---	---	60.20	---	---	---	60.36	---	---
9	---	---	---	60.38	---	---	---	---	---	---	61.40	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	59.90	---	59.38	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	60.28	---	---	60.20	---	---	---	---	---	---	61.78
14	60.56	---	60.40	---	---	60.10	---	59.52	---	---	---	---
15	---	---	60.42	60.32	60.12	---	---	---	---	---	61.80	---
16	---	---	---	---	---	---	---	---	---	60.46	---	---
17	---	---	---	---	---	---	59.80	---	---	---	---	---
18	---	---	---	---	---	---	---	---	59.87	---	---	---
19	---	60.38	---	---	---	---	---	---	59.88	---	---	---
20	---	---	---	---	---	---	---	59.48	---	---	---	---
21	---	---	---	---	60.20	---	---	---	---	---	---	61.60
22	60.52	---	---	---	---	60.00	---	---	---	---	---	---
23	---	---	60.42	---	---	---	59.78	---	---	60.46	61.80	---
24	---	---	---	60.28	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	60.42	---	---	---	---	---	59.60	---	60.00	---	---	---
27	---	60.48	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	59.90	---	---	---	---	---	---	61.48
29	60.48	---	60.40	---	---	60.10	---	59.44	---	---	---	---
30	---	---	---	---	---	---	---	---	---	60.50	61.90	61.48
31	---	---	---	60.28	---	---	---	---	---	---	---	---

02268600 LAKE ROSALIE NEAR LAKE WALES, FL

LOCATION.--Lat 27°56'23", long 81°25'14", in SE¼ sec.21, T.29 S., R.29 E., Polk County, Hydrologic Unit 03090101, on west side of lake, in boat basin at Monroe's Trailer Park, 10.5 mi northeast of town of Lake Wales.

SURFACE AREA.--4,592 acres (7.18 mi²).

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--December 1941 to February 1942 (weekly), March to July 1942, August 1942 to August 1943 (fragmentary), March 1958 to April 1967 (weekly), incomplete, May 1967 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Mar. 5, 1942, nonrecording gage at site 1.3 mi northeast at datum 53.19 ft higher. Mar. 5, 1942, to July 27, 1942, and Mar. 20, 1958, to Sept. 19, 1974, recording or nonrecording gages at several sites within 1.5 mi at datum 49.41 ft higher, and Sept. 19, 1974, to Oct. 17, 1979, nonrecording gage at site 400 ft west at present datum.

REMARKS.--Outflow from lake is through diversion canal to Lake Kissimmee, the most downstream of the Kissimmee River headwaters chain of lakes and also through Rosalie Creek to Tiger Lake, thence through Tiger Creek to Lake Kissimmee.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 55.93 ft, Oct. 3, 1960; minimum observed, 50.30 ft, June 2-4, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 54.14 ft, Sept. 22-24; minimum observed, 50.80 ft, June 11.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.02	52.64	52.54	52.39	52.11	51.92	51.68	51.44	50.99	51.17	51.86	53.40
2	53.00	52.63	52.53	52.39	52.09	51.91	51.72	51.42	50.96	51.15	51.86	53.46
3	52.98	52.61	52.53	52.38	52.10	51.91	51.69	51.40	50.94	51.13	51.85	53.52
4	52.96	52.67	52.53	52.33	52.10	51.90	51.67	51.41	50.94	51.13	51.86	53.57
5	52.94	52.64	52.53	52.32	52.10	51.88	51.67	51.39	50.92	51.13	51.88	53.62
6	52.92	52.60	52.51	52.31	52.09	51.88	51.65	51.37	50.90	51.20	51.89	53.68
7	52.92	52.59	52.50	52.30	52.09	51.86	51.70	51.36	50.88	51.19	51.88	53.73
8	52.90	52.60	52.48	52.28	52.11	51.84	51.67	51.36	50.85	51.18	51.88	53.78
9	52.88	52.55	52.47	52.28	52.09	51.83	51.65	51.35	50.84	51.17	51.90	53.83
10	52.88	52.52	52.47	52.27	52.08	51.82	51.64	51.33	50.82	51.16	51.90	53.86
11	52.86	52.52	52.46	52.27	52.08	51.80	51.63	51.32	50.80	51.14	51.90	53.87
12	52.84	52.50	52.46	52.26	52.04	51.80	51.62	51.28	50.83	51.14	51.90	53.88
13	52.84	52.48	52.46	52.22	52.04	51.77	51.60	51.34	50.90	51.40	51.91	53.88
14	52.84	52.46	52.44	52.22	52.02	51.77	51.61	51.28	51.02	51.44	51.97	53.94
15	52.82	52.45	52.44	52.21	52.02	51.77	51.60	51.26	51.03	51.50	52.00	53.96
16	52.80	52.44	52.44	52.20	52.00	51.75	51.62	51.25	51.03	51.48	52.00	53.96
17	52.80	52.43	52.43	52.20	52.00	51.73	51.61	51.22	51.03	51.45	52.03	53.96
18	52.78	52.42	52.44	52.19	52.00	51.72	51.60	51.19	51.04	51.55	52.06	53.95
19	52.76	52.41	52.43	52.20	52.01	51.69	51.58	51.17	51.02	51.56	52.19	53.95
20	52.76	52.42	52.43	52.20	51.99	51.66	51.56	51.17	51.02	51.60	52.22	53.94
21	52.74	52.40	52.42	52.16	51.99	51.65	51.56	51.16	51.00	51.62	52.27	54.13
22	52.72	52.47	52.42	52.13	51.99	51.78	51.54	51.14	51.06	51.63	52.34	54.14
23	52.72	52.51	52.41	52.12	51.99	51.81	51.52	51.14	51.17	51.63	52.68	54.14
24	52.70	52.56	52.41	52.12	51.98	51.80	51.52	51.15	51.15	51.60	52.81	54.14
25	52.67	52.57	52.40	52.12	51.96	51.78	51.50	51.11	51.14	51.64	52.92	54.13
26	52.66	52.58	52.40	52.11	51.96	51.77	51.48	51.10	51.12	51.64	52.98	54.12
27	52.69	52.55	52.40	52.11	51.95	51.75	51.46	51.07	51.10	51.65	53.18	54.11
28	52.72	52.56	52.40	52.12	51.94	51.74	51.45	51.07	51.08	51.70	53.16	54.10
29	52.70	52.55	52.40	52.10	---	51.73	51.43	51.04	51.18	51.69	53.20	54.09
30	52.68	52.54	52.40	52.09	---	51.71	51.45	51.02	51.17	51.68	53.27	54.08
31	52.66	---	52.39	52.11	---	51.71	---	51.01	---	51.68	53.32	---
MEAN	52.81	52.53	52.45	52.22	52.03	51.79	51.59	51.24	51.00	51.42	52.29	53.90
MAX	53.02	52.67	52.54	52.39	52.11	51.92	51.72	51.44	51.18	51.70	53.32	54.14
MIN	52.66	52.40	52.39	52.09	51.94	51.65	51.43	51.01	50.80	51.13	51.85	53.40

CAL YR 1984 MEAN 53.09 MAX 54.34 MIN 52.39
WTR YR 1985 MEAN 52.10 MAX 54.14 MIN 50.80

02268800 LAKE MARIAN NEAR KENANSVILLE, FL

LOCATION.--Lat 27°52'22", long 81°03'08", in NE¼ sec.18, T.30 S., R.33 E., Osceola County, Hydrologic Unit 03090101, on northeast shore of lake in canal at county boat ramp, 4.5 mi west of Kenansville.

SURFACE AREA.--5,727 acres (8.95 mi²).

DRAINAGE AREA.--49.6 mi².

PERIOD OF RECORD.--February 1958 to current year (weekly), incomplete. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Nov. 16, 1972, at present site and other nearby sites at datum 57.02 ft higher. Nov. 16, 1972, to Oct. 28, 1980, at site 0.6 mi southeast at present datum.

REMARKS.--Lake is in the headwaters of the Kissimmee River. Outflow is through a canal to Lake Jackson, thence through Jackson Canal to Lake Kissimmee. During high water there is flow through Fodderstack Slough to Jackson Canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 61.63 ft, Sept. 27, 1960; minimum observed, 55.36 ft, June 7, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 59.50 ft, Sept. 30; minimum observed, 55.36 ft, June 7.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANT VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	56.58	56.30	---	---	---	---	---	---
2	---	56.80	---	---	---	---	---	---	---	---	56.80	---
3	---	---	---	---	---	---	---	55.86	---	---	---	---
4	---	---	---	56.88	---	---	---	---	---	---	---	---
5	57.15	---	---	---	---	---	56.08	---	---	56.30	---	---
6	---	---	---	---	---	---	---	---	---	---	---	58.84
7	---	---	56.82	---	---	---	---	---	55.36	---	---	---
8	---	---	---	---	56.52	56.28	---	---	---	---	---	---
9	---	57.00	---	---	---	---	---	---	---	---	57.04	---
10	---	---	---	---	---	---	---	55.74	---	---	---	---
11	---	---	---	56.66	---	---	---	---	---	---	---	---
12	57.00	---	---	---	---	---	56.00	---	---	56.20	---	---
13	---	---	---	---	56.46	---	---	---	55.98	---	---	58.84
14	---	---	56.80	---	---	---	---	---	55.94	---	---	---
15	---	---	---	---	56.40	56.26	---	---	---	---	---	---
16	---	56.80	---	---	---	---	56.14	---	---	---	57.48	---
17	---	---	---	---	---	---	---	55.62	---	---	---	---
18	---	---	---	56.58	---	---	---	---	---	---	---	---
19	56.90	---	---	---	---	---	56.02	---	---	56.38	---	---
20	---	---	---	---	---	---	---	---	---	---	---	59.34
21	---	---	56.72	---	---	---	---	---	55.98	---	---	---
22	---	---	---	---	56.32	56.26	---	---	---	---	---	---
23	---	56.90	---	---	---	---	---	---	---	---	57.76	---
24	---	---	---	---	---	---	---	55.60	---	---	---	---
25	---	---	---	56.54	---	---	---	---	---	---	---	---
26	56.80	---	---	---	---	---	55.98	---	---	56.58	---	---
27	56.84	---	---	---	---	---	---	---	---	---	---	59.48
28	---	---	56.68	---	---	---	---	---	56.22	---	---	---
29	---	---	---	---	---	56.14	---	---	---	---	---	---
30	---	57.00	---	---	---	---	---	---	---	---	57.82	59.50
31	---	---	---	---	---	---	---	55.52	---	---	---	---

02268900 LAKE KISSIMMEE NEAR LAKE WALES, FL

LOCATION.--Lat 27°48'14", long 81°11'53", in NW¼ sec.11, T.31 S., R.31 E., Osceola County, Hydrologic Unit 03090101, on right bank at upstream side of lock and control structure 65, 0.1 mi downstream from bridge on State Highway 60, and 25 mi southeast of town of Lake Wales.

SURFACE AREA.--34,760 acres (54.3 mi²).

DRAINAGE AREA.--1,607 mi² at State Highway 60, includes areas drained by Lake Weohyakapka and Lake Marian.

PERIOD OF RECORD.--August 1929 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office. Prior to March 1942, records for Kissimmee River at outlet of Lake Kissimmee. Since June 11, 1965, records for Kissimmee River at S-65, near Lake Wales (station 02268903).

REVISED RECORDS.--WRD FL 1970: Drainage area. WDR FL-81-2: Surface area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Florida Water Management District). Prior to Mar. 16, 1942, nonrecording gage at bridge on State Highway 60 at datum 1.25 ft lower. Mar. 16, 1942, to May 11, 1950, water-stage recorder on southwest shore of lake, at datum 46.94 ft higher. May 11, 1950, to June 10, 1965, water-stage recorder near northwest end of lake, at datum 46.94 ft higher.

REMARKS.--Lake is located between the upper and lower reaches of the Kissimmee River and is the most downstream of the river headwater chain of lakes. After July 1964 lake elevation partially regulated by operation of structure 65 at lake outlet and by storage releases at several control structures in the river basin upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 56.64 ft, Oct. 12,13, 1953; minimum daily, 42.87 ft, May 25, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 51.96 ft, Sept. 29,30; minimum daily, 49.55 ft, May 20.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.16	50.91	50.87	50.74	50.56	50.51	50.31	50.20	49.85	49.87	50.64	50.71
2	51.18	50.91	50.88	50.75	50.56	50.52	50.34	50.13	49.83	49.86	50.65	50.96
3	51.12	50.91	50.89	50.76	50.63	50.51	50.38	50.09	49.82	49.86	50.68	51.13
4	51.10	50.94	50.89	50.90	50.66	50.44	50.23	50.10	49.79	49.83	50.72	51.22
5	51.08	50.97	50.85	50.91	50.59	50.47	50.15	50.06	49.70	49.79	50.71	50.99
6	51.07	51.08	50.96	50.81	50.62	50.49	50.24	49.99	49.65	49.85	50.70	50.80
7	51.07	51.04	51.02	50.75	50.70	50.45	50.27	49.93	49.60	49.87	50.73	50.72
8	51.07	50.94	50.89	50.78	50.80	50.44	50.29	49.87	49.56	49.87	50.76	50.60
9	51.09	50.88	50.86	50.75	50.69	50.43	50.33	49.80	49.56	49.89	50.81	50.70
10	51.09	50.84	50.85	50.73	50.60	50.43	50.21	49.77	49.56	49.84	50.90	50.92
11	51.12	50.86	50.84	50.76	50.49	50.40	50.15	49.76	49.56	49.83	50.98	50.93
12	51.07	50.95	50.85	50.88	50.79	50.39	50.20	49.84	49.64	49.89	51.02	50.95
13	51.03	50.89	50.83	50.83	50.71	50.35	50.26	49.79	49.74	50.02	51.07	50.98
14	51.00	50.81	50.83	50.71	50.62	50.33	50.28	49.74	49.88	50.06	51.10	51.07
15	50.98	50.76	50.84	50.75	50.61	50.32	50.29	49.69	49.85	50.10	51.14	51.04
16	50.97	50.75	50.84	50.70	50.59	50.31	50.37	49.66	49.84	50.19	51.15	51.00
17	50.97	50.72	50.84	50.62	50.58	50.37	50.38	49.75	49.87	50.21	51.14	51.03
18	50.95	50.66	50.84	50.72	50.57	50.53	50.35	49.71	49.87	50.23	51.16	50.99
19	50.94	50.65	50.84	50.72	50.57	50.28	50.35	49.62	49.87	50.25	51.16	51.07
20	50.92	50.69	50.83	50.75	50.59	50.18	50.38	49.55	49.86	50.31	51.21	51.14
21	50.89	50.72	50.81	50.89	50.54	50.18	50.38	49.60	49.87	50.33	51.17	51.29
22	50.89	51.07	50.82	50.79	50.50	50.39	50.33	49.64	49.90	50.31	51.14	51.40
23	50.89	51.46	50.82	50.69	50.50	50.43	50.35	49.70	49.92	50.32	50.89	51.52
24	50.91	51.10	50.80	50.63	50.50	50.40	50.36	49.73	49.92	50.44	50.60	51.66
25	50.92	50.91	50.82	50.64	50.52	50.39	50.37	49.75	49.87	50.47	50.42	51.80
26	50.92	50.87	50.81	50.74	50.51	50.34	50.35	49.78	49.85	50.49	50.58	51.93
27	50.88	50.85	50.81	50.64	50.53	50.28	50.35	49.76	49.90	50.52	50.78	51.91
28	50.91	50.89	50.80	50.61	50.54	50.27	50.38	49.76	49.89	50.53	50.78	51.94
29	50.92	50.93	50.79	50.67	---	50.26	50.34	49.78	49.90	50.55	50.78	51.96
30	50.93	50.89	50.80	50.59	---	50.22	50.25	49.79	49.89	50.57	50.82	51.96
31	50.93	---	50.77	50.57	---	50.26	---	49.82	---	50.60	50.65	---
MEAN	51.00	50.89	50.84	50.73	50.60	50.37	50.31	49.81	49.79	50.15	50.87	51.21
MAX	51.18	51.46	51.02	50.91	50.80	50.53	50.38	50.20	49.92	50.60	51.21	51.96
MIN	50.88	50.65	50.77	50.57	50.49	50.18	50.15	49.55	49.56	49.79	50.42	50.60

CAL YR 1984 MEAN 50.76 MAX 52.69 MIN 48.38
WTR YR 1985 MEAN 50.55 MAX 51.96 MIN 49.55

02268903 KISSIMMEE RIVER AT S-65, NEAR LAKE WALES, FL

LOCATION.--Lat 27°48'14", long 81°11'53", in NW¼ sec.11, T.31 S., R.31 E., Osceola County, Hydrologic Unit 03090101, on right bank at upstream side of lock and control structure 65, 0.1 mi downstream from bridge on State Highway 60, and 25 mi southeast of town of Lake Wales.

DRAINAGE AREA.--1,607 mi² at State Highway 60, includes areas drained by Lake Weohyakapka and Lake Marian.

PERIOD OF RECORD.--October 1933 to current year. Prior to October 1969, published as Kissimmee River below Lake Kissimmee.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Mar. 21, 1934, nonrecording gage at bridge 0.1 mi upstream at datum 1.25 ft lower. Mar. 21, 1934, to Sept. 30, 1950, water-stage recorder 3.2 mi downstream at datum 1.52 ft lower. Mar. 21, 1934, to Sept. 21, 1966, nonrecording gage at bridge 0.1 mi upstream used as supplementary gage. Oct. 1, 1950 to Sept. 30, 1969, water-stage recorder 3.2 mi downstream at datum 43.48 ft higher. Aug. 17, 1962, to Sept. 30, 1969, auxiliary water-stage recorder 5.1 mi downstream and at downstream side of lock and control structure 65 subsequent to Sept. 30, 1969.

REMARKS.--Records good. Flow regulated by operation of control structure 65 since July 1964 and by storage releases at several structures in headwaters. Discharge computed from relation between discharge, head, and gate openings. Gage heights are published as elevations for Lake Kissimmee (station 02268900) in the section of this report entitled "Lake Elevations."

COOPERATION.--Gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--52 years, 1,042 ft³/s, 754,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,970 ft³/s, Oct. 22, 1969; maximum gage height, 13.16 ft, Oct. 9, 1953, from floodmark, site and datum then in use; maximum reverse flow measured, 1,190 ft³/s, Oct. 17, 1956; no flow for many days in most years; minimum gage height, 42.87 ft, May 25, 1977, present site and datum (result of drawdown of Lake Kissimmee).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,580 ft³/s, Aug. 23; maximum gage height, 52.06 ft, Sept. 27; no flow for many days; minimum gage height, 49.25 ft, June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	1210	.00	.00	.00	1510
2	.00	.00	.00	.00	.00	.00	.00	1300	.00	.00	.00	823
3	.00	.00	.00	.00	.00	.00	.00	1160	.00	.00	.00	349
4	.00	.00	.00	.00	.00	.00	.00	1320	348	.00	.00	623
5	.00	136	.00	.00	.00	.00	.00	1320	530	.00	.00	3150
6	.00	142	.00	.00	.00	.00	.00	1370	517	.00	.00	4050
7	.00	.00	.00	.00	.00	.00	.00	882	512	.00	.00	4050
8	.00	.00	.00	.00	.00	.00	.00	1040	507	.00	.00	4050
9	.00	.00	.00	.00	.00	.00	.00	1580	160	.00	.00	2100
10	.00	.00	.00	.00	.00	.00	.00	1580	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	228	.00	1570	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	588	.00	1600	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	568	.00	1600	.00	.00	372	.00
14	.00	.00	.00	.00	.00	568	.00	1580	.00	.00	766	.00
15	.00	401	.00	.00	.00	270	.00	1570	.00	.00	877	.00
16	.00	496	.00	.00	.00	.00	.00	1030	.00	.00	1120	.00
17	.00	631	.00	.00	.00	.00	.00	521	.00	.00	1250	.00
18	.00	594	.00	.00	.00	.00	.00	527	.00	.00	1250	.00
19	.00	579	.00	.00	.00	.00	.00	514	.00	.00	1240	.00
20	.00	421	.00	.00	.00	.00	.00	509	.00	.00	1840	.00
21	.00	.00	.00	.00	.00	.00	.00	517	.00	.00	1800	.00
22	.00	.00	.00	.00	.00	.00	.00	517	.00	.00	1830	.00
23	.00	.00	.00	.00	.00	.00	.00	524	.00	.00	2230	.00
24	.00	.00	.00	.00	.00	.00	.00	521	.00	.00	4450	.00
25	.00	.00	.00	.00	.00	.00	.00	527	.00	.00	4340	.00
26	.00	.00	.00	.00	.00	.00	.00	532	.00	.00	1520	660
27	.00	.00	.00	.00	.00	.00	442	528	.00	.00	.00	1310
28	.00	.00	.00	.00	.00	.00	574	231	.00	.00	.00	1350
29	.00	.00	.00	.00	---	.00	1080	.00	.00	.00	.00	1350
30	.00	.00	.00	.00	---	.00	1340	.00	.00	.00	.00	1350
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	.00	3400.00	.00	.00	.00	2222.00	3436.00	27680.00	2574.00	.00	24885.00	26725.00
MEAN	.00	113	.00	.00	.00	71.7	115	893	85.8	.00	803	891
MAX	.00	631	.00	.00	.00	588	1340	1600	530	.00	4450	4050
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	6740	.00	.00	.00	4410	6820	54900	5110	.00	49360	53010

CAL YR 1984	TOTAL 410017.00	MEAN 1120	MAX 4820	MIN .00	AC-FT 813300		
WTR YR 1985	TOTAL 90922.00	MEAN 249	MAX 4450	MIN .00	AC-FT 180300		

02268904 KISSIMMEE RIVER BELOW S-65, NEAR LAKE WALES, FL

LOCATION.--Lat 27°48'14", long 81°11'53" in NW¼ sec.11, T.31 S., R.31 E., Osceola County, Hydrologic Unit 03090101, on right bank at downstream side of lock and control structure 65, 0.1 mi downstream from bridge on State Highway 60, and 25 mi southeast of town of Lake Wales.

DRAINAGE AREA.--1,607 mi², at State Highway 60, includes areas drained by Lake Weohyakapka and Lake Marian.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). This is the auxiliary gage for station 02268903 located at upstream side of lock and control structure.

REMARKS.--Gage heights partially regulated by operation of structure 65 upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 51.44 ft, Oct. 10, 1969; minimum daily, 41.55 ft, Apr. 4, 1977 (result of drawdown of Lake Kissimmee).

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.15	44.66	46.23	46.20	46.38	46.37	46.11	46.32	46.15	46.41	46.41	46.48
2	46.15	44.67	46.36	46.19	46.40	46.36	46.21	46.27	46.12	46.36	46.35	46.58
3	46.14	44.82	46.35	46.19	46.41	46.34	46.23	46.37	46.10	46.34	46.32	46.44
4	46.13	45.03	46.27	46.21	46.37	46.32	46.25	46.36	46.14	46.31	46.37	46.44
5	46.20	45.28	46.20	46.23	46.33	46.32	46.29	46.32	46.24	46.27	46.30	46.68
6	46.26	45.81	46.26	46.24	46.36	46.36	46.33	46.33	46.36	46.29	46.24	46.69
7	46.31	45.94	46.24	46.30	46.37	46.38	46.38	46.36	46.37	46.26	46.32	46.59
8	46.32	45.94	46.23	46.33	46.33	46.37	46.34	46.32	46.40	46.25	46.33	46.49
9	46.25	45.96	46.24	46.33	46.28	46.38	46.35	46.41	46.38	46.24	46.32	46.39
10	46.21	46.01	46.21	46.30	46.26	46.37	46.34	46.36	46.42	46.23	46.35	46.46
11	46.21	46.07	46.18	46.26	46.25	46.33	46.32	46.38	46.40	46.22	46.31	46.36
12	46.27	46.09	46.19	46.22	46.22	46.13	46.30	46.35	46.48	46.22	46.28	46.34
13	46.27	46.09	46.21	46.19	46.23	46.38	46.32	46.31	46.68	46.31	46.37	46.34
14	46.28	46.11	46.25	46.19	46.22	46.35	46.31	46.32	46.71	46.44	46.54	46.33
15	46.31	46.05	46.33	46.19	46.24	46.40	46.34	46.31	46.40	46.64	46.31	46.30
16	46.30	45.93	46.37	46.17	46.26	46.36	46.38	46.25	46.23	46.78	46.34	46.34
17	46.32	45.82	46.33	46.19	46.31	46.25	46.37	46.41	46.28	46.42	46.33	46.33
18	46.32	46.32	46.33	46.22	46.31	46.14	46.36	46.28	46.38	46.29	46.38	46.35
19	46.32	46.53	46.34	46.28	46.34	46.13	46.32	46.37	46.33	46.44	46.43	46.40
20	46.30	46.55	46.37	46.28	46.33	46.15	46.30	46.36	46.30	46.27	46.51	46.57
21	46.27	46.36	46.36	46.28	46.34	46.21	46.28	46.30	46.29	46.32	46.45	46.40
22	46.14	46.27	46.37	46.30	46.36	46.36	46.27	46.35	46.29	46.31	46.56	46.39
23	46.08	46.03	46.34	46.32	46.37	46.39	46.25	46.32	46.27	46.33	46.51	46.32
24	46.09	46.15	46.32	46.35	46.37	46.35	46.23	46.40	46.23	46.31	46.79	46.72
25	46.11	46.25	46.35	46.37	46.30	46.28	46.21	46.33	46.23	46.38	46.80	46.98
26	46.13	46.29	46.38	46.37	46.31	46.24	46.21	46.30	46.26	46.32	46.57	47.02
27	46.22	46.26	46.36	46.33	46.33	46.20	46.28	46.33	46.25	46.34	46.39	46.60
28	46.32	46.20	46.36	46.34	46.34	46.17	46.32	46.30	46.28	46.38	46.34	46.37
29	46.28	46.14	46.29	46.36	---	46.13	46.38	46.27	46.35	46.43	46.33	46.37
30	46.03	46.14	46.26	46.37	---	46.11	46.42	46.23	46.40	46.29	46.35	46.33
31	45.27	---	46.23	46.38	---	46.12	---	46.19	---	46.35	46.43	---
MEAN	46.19	45.93	46.29	46.27	46.32	46.28	46.30	46.33	46.32	46.35	46.41	46.48
MAX	46.32	46.55	46.38	46.38	46.41	46.40	46.42	46.41	46.71	46.78	46.80	47.02
MIN	45.27	44.66	46.18	46.17	46.22	46.11	46.11	46.19	46.10	46.22	46.24	46.30

CAL YR 1984 MEAN 46.29 MAX 46.65 MIN 44.66
WTR YR 1985 MEAN 46.29 MAX 47.02 MIN 44.66

02269600 LAKE ARBUCKLE NEAR AVON PARK, FL

LOCATION.--Lat 27°39'55", long 81°22'38", in SW¼ sec. 25, T.32 S., R.29 E., Polk County, Hydrologic Unit 03090101, on U.S. Air Force recreation pier on south shore of lake, 9.6 mi northeast of Avon Park.

SURFACE AREA.--3,787 acres (5.92 mi²).

DRAINAGE AREA.--170 mi².

PERIOD OF RECORD.--December 1941 to current year. Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. June 27, 1945, to Nov. 15, 1950, May 9, 1956, to June 15, 1962, and May 11, 1967, to Dec. 11, 1975, nonrecording gage at site 500 ft northwest near head of Arbuckle Creek at datum 51.53 ft higher.

REMARKS.--Lake is the most downstream of the Arbuckle Creek headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 58.3 ft, Sept. 24, 1948, from floodmark; minimum daily, 51.15 ft, June 10, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 58.7 ft, was reached in 1926 and 1928, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 55.17 ft, Sept. 4; minimum daily, 51.15 ft, June 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.41	52.75	52.87	52.58	52.23	52.02	51.83	51.64	51.30	52.66	53.47	54.93
2	53.37	52.73	52.87	52.58	52.24	52.01	51.89	51.64	51.29	52.66	53.49	55.06
3	53.33	52.77	52.87	52.57	52.25	52.00	51.91	51.62	51.27	52.66	53.72	55.14
4	53.30	52.81	52.87	52.62	52.25	51.96	51.85	51.65	51.25	52.65	53.91	55.17
5	53.27	52.81	52.86	52.60	52.23	51.97	51.81	51.63	51.21	52.63	54.00	55.16
6	53.25	52.81	52.89	52.54	52.23	51.97	51.84	51.61	51.19	52.65	54.09	55.14
7	53.22	52.76	52.87	52.51	52.25	51.94	51.84	51.59	51.16	52.64	54.18	55.10
8	53.20	52.72	52.82	52.51	52.25	51.92	51.84	51.56	51.16	52.68	54.23	55.06
9	53.18	52.69	52.80	52.49	52.21	51.91	51.83	51.55	51.16	52.76	54.30	55.01
10	53.16	52.67	52.79	52.48	52.18	51.90	51.77	51.54	51.15	52.75	54.40	54.97
11	53.14	52.67	52.78	52.48	52.14	51.89	51.73	51.55	51.19	52.75	54.45	54.92
12	53.11	52.67	52.78	52.49	52.24	51.89	51.75	51.56	51.30	52.79	54.48	54.86
13	53.08	52.63	52.76	52.45	52.18	51.87	51.78	51.54	51.49	52.98	54.57	54.82
14	53.05	52.59	52.76	52.43	52.15	51.86	51.81	51.53	51.90	53.04	54.70	54.77
15	53.03	52.57	52.75	52.43	52.14	51.87	51.83	51.52	51.98	53.12	54.76	54.72
16	53.00	52.56	52.74	52.40	52.13	51.91	51.88	51.50	52.04	53.15	54.79	54.67
17	52.98	52.55	52.73	52.38	52.12	51.95	51.86	51.51	52.09	53.17	54.80	54.63
18	52.95	52.53	52.73	52.40	52.11	51.97	51.82	51.46	52.12	53.19	54.79	54.64
19	52.93	52.52	52.72	52.40	52.11	51.88	51.81	51.41	52.14	53.26	54.78	54.69
20	52.90	52.54	52.71	52.40	52.11	51.83	51.80	51.37	52.16	53.30	54.91	54.76
21	52.88	52.57	52.69	52.41	52.09	51.85	51.79	51.38	52.15	53.33	54.93	54.82
22	52.86	52.77	52.69	52.36	52.05	51.96	51.75	51.40	52.20	53.37	54.92	54.83
23	52.84	52.92	52.68	52.32	52.05	51.97	51.75	51.39	52.32	53.35	54.89	54.82
24	52.82	52.86	52.67	52.30	52.04	51.95	51.74	51.41	52.35	53.37	54.87	54.79
25	52.80	52.83	52.67	52.31	52.04	51.94	51.73	51.41	52.38	53.38	54.83	54.76
26	52.78	52.84	52.65	52.32	52.04	51.90	51.71	51.40	52.42	53.37	54.80	54.73
27	52.78	52.84	52.65	52.28	52.05	51.87	51.71	51.37	52.46	53.36	54.75	54.67
28	52.81	52.86	52.63	52.28	52.04	51.86	51.71	51.35	52.50	53.35	54.72	54.65
29	52.81	52.86	52.62	52.29	---	51.84	51.70	51.34	52.63	53.33	54.70	54.65
30	52.79	52.85	52.62	52.26	---	51.82	51.68	51.32	52.66	53.32	54.71	54.64
31	52.77	---	52.60	52.25	---	51.83	---	51.31	---	53.38	54.74	---
MEAN	53.03	52.72	52.75	52.42	52.15	51.91	51.79	51.49	51.82	53.05	54.51	54.85
MAX	53.41	52.92	52.89	52.62	52.25	52.02	51.91	51.65	52.66	53.38	54.93	55.17
MIN	52.77	52.52	52.60	52.25	52.04	51.82	51.68	51.31	51.15	52.63	53.47	54.63

CAL YR 1984 MEAN 53.19 MAX 53.99 MIN 52.20
WTR YR 1985 MEAN 52.71 MAX 55.17 MIN 51.15

02270500 ARBUCKLE CREEK NEAR DE SOTO CITY, FL

LOCATION.--Lat 27°26'32", long 81°17'51", in SE¼ sec.11, T.35 S., R.30 E., Highlands County, Hydrologic Unit 03090101, on right bank 20 ft downstream from bridge on U.S. Highway 98, 1.3 mi upstream from mouth, and 7 mi east of De Soto City.

DRAINAGE AREA.--379 mi², excludes area drained by Lake Weohyakapka and includes area drained by Lake Sebring.

PERIOD OF RECORD.--June 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 35.51 ft above National Geodetic Vertical Datum of 1929. Since June 7, 1967 auxiliary water-stage recorder at site 1.3 mi upstream. See WDR FL-82-2 for history of changes prior to June 7, 1967.

REMARKS.--No estimated daily discharges. Records poor. Records include small diversions into Lake Arbuckle from Lake Weohyakapka through Blue Jordan Swamp.

AVERAGE DISCHARGE.--46 years, 326 ft³/s, 236,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,380 ft³/s, Sept. 23, 1948, gage height, 8.71 ft, from rating curve extended above 5,300 ft³/s; minimum daily discharge, 0.55 ft³/s, June 6, 1985; minimum gage height, 0.14 ft, May 11, 1962, estimated, result of channel work upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft³/s, Sept. 6, gage height, 5.29 ft; minimum daily discharge, 0.55 ft³/s, June 6; minimum gage height, 1.23 ft, June 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	102	152	87	83	27	26	17	2.1	107	233	378
2	122	110	192	82	62	29	31	18	1.5	114	227	444
3	128	118	127	94	40	28	22	19	1.1	100	290	507
4	140	130	123	102	37	33	23	16	1.2	95	312	589
5	155	122	119	74	50	34	30	15	1.1	87	313	844
6	169	88	116	74	51	36	24	14	.55	99	313	1060
7	141	81	125	73	27	34	29	15	.71	96	277	983
8	139	79	117	70	8.7	37	19	16	3.2	91	280	833
9	139	75	107	56	25	39	13	14	2.2	95	283	729
10	138	80	113	73	46	40	11	12	.90	85	303	648
11	143	77	98	57	74	42	15	11	.82	90	295	596
12	146	48	84	30	32	43	19	17	6.8	122	260	533
13	149	55	86	32	41	43	23	24	31	152	295	483
14	165	62	84	53	43	43	21	11	80	149	314	430
15	154	70	84	46	43	44	36	8.6	86	143	404	403
16	149	64	87	48	41	43	27	9.7	86	138	491	388
17	148	60	90	72	35	42	23	5.5	71	149	494	363
18	143	64	76	65	31	37	21	2.9	65	161	483	390
19	133	58	76	48	29	39	28	2.6	53	234	464	517
20	137	49	77	54	24	39	18	4.8	60	326	473	734
21	137	58	89	15	28	54	15	3.8	78	339	450	854
22	129	125	71	22	31	58	15	3.1	69	333	431	855
23	123	132	67	41	30	53	14	4.8	68	302	403	807
24	113	147	77	45	33	36	19	6.8	63	279	390	755
25	100	163	67	56	23	31	20	5.5	61	277	448	720
26	110	153	66	30	27	28	20	4.2	53	283	425	699
27	134	149	78	42	25	29	18	2.8	49	270	391	643
28	130	126	82	60	25	28	15	2.1	63	271	343	603
29	144	132	68	43	---	29	15	2.1	125	256	333	549
30	117	106	72	62	---	29	17	2.5	116	243	320	497
31	105	---	84	61	---	23	---	2.0	---	239	336	---
TOTAL	4251	2883	2954	1767	1044.7	1150	627	292.8	1299.18	5725	11074	18834
MEAN	137	96.1	95.3	57.0	37.3	37.1	20.9	9.45	43.3	185	357	628
MAX	171	163	192	102	83	58	36	24	125	339	494	1060
MIN	100	48	66	15	8.7	23	11	2.0	.55	85	227	363
AC-FT	8430	5720	5860	3500	2070	2280	1240	581	2580	11360	21970	37360

CAL YR 1984	TOTAL	72336	MEAN	198	MAX	955	MIN	18	AC-FT	143500
WTR YR 1985	TOTAL	51901.68	MEAN	142	MAX	1060	MIN	.55	AC-FT	102900

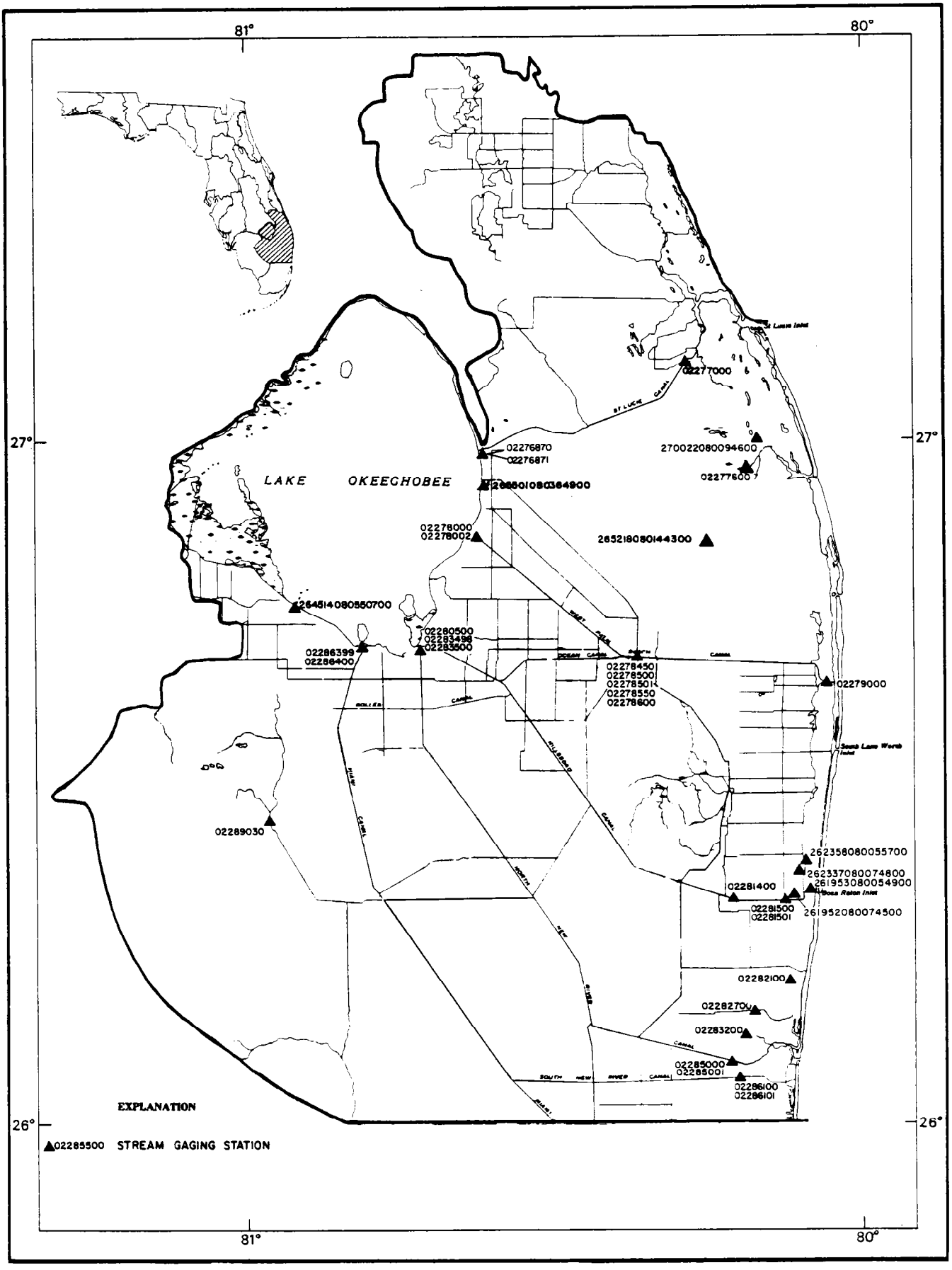


Figure 6. Location of gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees

02271700 LAKE ISTOKPOGA NEAR DE SOTO CITY, FL

LOCATION.--Lat 27°19'55", long 81°15'05", in sec.19 or 20, T.36 S., R.31 E., Highlands County, Hydrologic Unit 03090101, 33 ft from right bank, 350 ft upstream from control structure 68 at Lake Istokpoga, 7.5 mi northeast of town of Lake Placid, and 12.2 mi southeast of De Soto City.

SURFACE AREA.--27,500 acres (43.0 mi²).

DRAINAGE AREA.--607 mi².

PERIOD OF RECORD.--August 1936 to current year. Since July 7, 1965, records for Canal 41A at S-68 at Lake Istokpoga, near Lake Placid (station 02273200). Records of elevations prior to October 1960 are unpublished and are available in files of the Orlando Subdistrict Office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Florida Water Management District). Prior to May 19, 1937, nonrecording gage at datum 40.54 ft higher and May 19, 1937, to Aug. 17, 1942, at datum 38.54 ft higher at site on northwest shore of lake 4 mi southwest of mouth of Arbuckle Creek. Aug. 20, 1942, to July 6, 1965, water-stage recorder near mouth of Arbuckle Creek at datum 34.07 ft higher. July 7, 1965, to Nov. 27, 1973, water-stage recorder at present site at datum 30.00 ft higher.

REMARKS.--Lake controlled by dam with removable stoplogs in Istokpoga Canal from June 1949 to July 1962. Since July 21, 1962, lake controlled by operation of structure 68 on Canal 41A on southeast shore of lake. Dam on Istokpoga Canal is still in place. Flow occurs at times in this canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 42.9 ft, estimated, Sept. 17, 1945; minimum daily, 35.40 ft, May 30, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 39.47 ft, Sept. 30, occurred on rise preceding crest of Oct. 6, 1985; minimum daily, 36.82 ft, June 11,12.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.67	38.19	38.19	38.18	37.95	37.87	37.71	37.53	37.03	37.37	38.12	38.83
2	38.69	38.19	38.23	38.19	37.97	37.87	37.75	37.51	37.01	37.39	38.11	38.90
3	38.67	38.19	38.25	38.20	38.01	37.86	37.78	37.48	37.00	37.39	38.18	38.88
4	38.64	38.19	38.25	38.31	38.01	37.80	37.69	37.50	36.97	37.37	38.22	38.87
5	38.63	38.20	38.25	38.28	37.99	37.82	37.63	37.50	36.95	37.36	38.22	38.87
6	38.62	38.22	38.33	38.22	38.00	37.83	37.69	37.48	36.92	37.41	38.24	38.95
7	38.63	38.21	38.35	38.19	38.04	37.80	37.69	37.45	36.89	37.43	38.26	38.96
8	38.63	38.14	38.28	38.20	38.10	37.77	37.69	37.42	36.87	37.43	38.27	38.94
9	38.65	38.10	38.26	38.19	38.02	37.78	37.73	37.40	36.87	37.45	38.29	38.92
10	38.64	38.06	38.26	38.17	37.96	37.77	37.63	37.39	36.85	37.40	38.32	38.91
11	38.64	38.05	38.26	38.18	37.89	37.75	37.57	37.39	36.82	37.41	38.37	38.94
12	38.62	38.09	38.27	38.24	38.10	37.76	37.60	37.42	36.82	37.48	38.38	38.96
13	38.59	38.03	38.27	38.18	38.01	37.73	37.66	37.39	36.91	37.55	38.40	39.00
14	38.55	37.98	38.28	38.12	37.96	37.72	37.68	37.37	37.02	37.58	38.42	39.08
15	38.54	37.94	38.29	38.14	37.95	37.71	37.70	37.36	37.00	37.61	38.46	39.06
16	38.52	37.94	38.28	38.10	37.94	37.68	37.76	37.31	37.01	37.63	38.49	39.05
17	38.50	37.93	38.30	38.06	37.94	37.77	37.74	37.35	37.01	37.67	38.52	39.07
18	38.48	37.90	38.31	38.11	37.95	37.83	37.69	37.27	37.02	37.70	38.56	39.12
19	38.45	37.91	38.29	38.10	37.95	37.69	37.69	37.20	37.02	37.72	38.57	39.24
20	38.42	37.93	38.28	38.11	37.96	37.62	37.67	37.13	37.05	37.77	38.61	39.34
21	38.40	37.95	38.27	38.18	37.93	37.62	37.66	37.15	37.16	37.82	38.65	39.38
22	38.38	38.19	38.27	38.10	37.88	37.81	37.62	37.14	37.20	37.86	38.66	39.34
23	38.36	38.42	38.27	38.02	37.88	37.83	37.62	37.13	37.23	37.87	38.67	39.29
24	38.34	38.20	38.25	37.98	37.87	37.81	37.60	37.11	37.21	37.94	38.70	39.28
25	38.34	38.10	38.26	37.99	37.89	37.81	37.59	37.14	37.16	37.96	38.75	39.34
26	38.31	38.08	38.26	38.05	37.89	37.76	37.57	37.12	37.15	37.99	38.77	39.38
27	38.26	38.08	38.25	37.99	37.88	37.72	37.57	37.11	37.18	38.03	38.79	39.37
28	38.26	38.11	38.23	37.97	37.88	37.71	37.60	37.07	37.23	38.05	38.79	39.40
29	38.24	38.13	38.22	38.01	---	37.69	37.59	37.06	37.37	38.07	38.79	39.42
30	38.24	38.12	38.23	37.96	---	37.67	37.57	37.04	37.38	38.10	38.81	39.47
31	38.22	---	38.20	37.97	---	37.68	---	37.02	---	38.10	38.69	---
MEAN	38.49	38.09	38.26	38.12	37.96	37.76	37.66	37.29	37.04	37.67	38.49	39.12
MAX	38.69	38.42	38.35	38.31	38.10	37.87	37.78	37.53	37.38	38.10	38.81	39.47
MIN	38.22	37.90	38.19	37.96	37.87	37.62	37.57	37.02	36.82	37.36	38.11	38.83

CAL YR 1984 MEAN 38.54 MAX 39.68 MIN 37.56
WTR YR 1985 MEAN 38.00 MAX 39.47 MIN 36.82

02273000 KISSIMMEE RIVER AT S-65E, NEAR OKEECHOBEE, FL
(National stream-quality accounting network station)

LOCATION.--Lat 27°13'32", long 80°57'46", in NE¼ sec.30, T.37 S., R.34 E., Okeechobee County, Hydrologic Unit 03090101, at upstream side of lock and control structure 65E, 1.8 mi downstream from State Highway 70, 8.2 mi upstream from mouth, and 8.5 mi west of Okeechobee.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1962, October 1962 to September 1964 (elevations only), October 1964 to current year. Prior to October 1964, published as Kissimmee River near Okeechobee. Monthly discharges only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 28, 1949, nonrecording gage, and Apr. 28, 1949, to Sept. 30, 1964, water-stage recorder, 1.8 mi upstream at datum 1.37 ft lower. Auxiliary gage at downstream side of lock and control structure 65E.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by operation of structure 65E beginning in October 1964. Records since October 1964 do not include diversions, since July 21, 1962, from Lake Istokpoga through control structure 68 on Canal 41A. Discharge computed from relation between discharge, head, and gate openings.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--34 years (water years 1929-62), 2,188 ft³/s, 1,585,000 acre-ft/yr; 21 years (water years 1965-85), 1,349 ft³/s, 977,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,900 ft³/s, Oct. 3, 1969; maximum gage height, 27.00 ft, present datum, Oct. 14, 1953; no flow for many days in some years since 1965; minimum gage height observed, 12.33 ft, present datum, June 3, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1928, resulting from hurricane, reached a stage of 28.9 ft, present datum, discharge, 20,000 ft³/s, from rating curve extended above 14,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,520 ft³/s, Sept. 8; maximum gage height, 21.87 ft, Dec. 5; no flow for many days; minimum gage height, 19.89 ft, Apr. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	27	213	.00	.00	.00	.00	1050	.00	355	231	934
2	196	50	391	.00	.00	.00	.00	1270	.00	271	261	2340
3	108	148	242	.00	.00	.00	.00	959	.00	84	384	1260
4	171	282	76	.00	.00	.00	.00	926	.00	65	531	2050
5	140	375	273	.00	.00	.00	.00	1240	.00	64	330	2640
6	71	26	237	.00	.00	.00	.00	909	.00	.00	184	4220
7	87	.00	39	.00	28	.00	.00	976	.00	13	118	4960
8	72	.00	52	.00	73	.00	.00	496	.00	.00	67	5150
9	73	.00	77	.00	85	.00	.00	884	.00	21	367	3600
10	72	5.0	77	.00	83	.00	.00	1510	.00	73	270	3110
11	73	6.0	51	.00	83	.00	.00	1420	.00	.00	391	2480
12	72	15	38	.00	85	.00	.00	1610	.00	119	183	1420
13	59	.00	64	.00	65	.00	.00	1200	.00	327	99	657
14	17	.00	64	.00	27	.00	.00	983	230	196	816	701
15	72	.00	38	.00	.00	.00	.00	1060	480	195	803	571
16	58	274	71	.00	.00	.00	.00	915	292	436	1230	399
17	.00	.00	13	.00	.00	.00	.00	703	173	643	1030	184
18	75	9.0	.00	.00	.00	.00	.00	683	30	688	1170	551
19	59	.00	.00	.00	.00	.00	.00	418	99	625	1030	1390
20	36	.00	18	.00	.00	.00	.00	292	327	581	1580	2050
21	36	.00	26	.00	.00	.00	.00	509	71	462	1720	2860
22	36	259	39	.00	.00	.00	.00	431	148	473	1780	2830
23	37	704	13	.00	.00	.00	.00	628	189	207	1550	2240
24	37	285	26	.00	26	.00	.00	619	15	119	3210	1140
25	37	77	30	.00	43	.00	.00	549	.00	237	3360	968
26	37	120	.00	.00	100	.00	.00	338	.00	87	2290	1340
27	37	297	51	.00	117	.00	.00	445	.00	115	1930	2630
28	37	115	39	.00	59	.00	155	115	51	98	529	2290
29	37	161	55	.00	---	.00	633	171	379	113	79	1940
30	37	127	39	.00	---	.00	746	63	338	164	337	1840
31	124	---	13	.00	---	.00	---	14	---	230	341	---
TOTAL	2241.00	3362.00	2365.00	.00	874.00	.00	1534.00	23386	2822.00	7061.00	28201	60745
MEAN	72.3	112	76.3	.00	31.2	.00	51.1	754	94.1	228	910	2025
MAX	238	704	391	.00	117	.00	746	1610	480	688	3360	5150
MIN	.00	.00	.00	.00	.00	.00	.00	14	.00	.00	67	184
AC-FT	4450	6670	4690	.00	1730	.00	3040	46390	5600	14010	55940	120500

CAL YR 1984	TOTAL 492592.00	MEAN 1346	MAX 5250	MIN .00	AC-FT 977100
WTR YR 1985	TOTAL 132591.00	MEAN 363	MAX 5150	MIN .00	AC-FT 263000

02273000 KISSIMMEE RIVER AT S-65E, NEAR OKEECHOBEE, FL
(National stream-quality accounting network station)

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.05	20.96	21.04	20.98	20.75	20.99	20.81	21.09	21.05	21.04	21.05	21.17
2	21.06	21.00	20.97	20.98	20.73	20.97	20.81	21.06	20.99	20.96	21.16	21.05
3	21.05	20.95	20.96	20.97	20.74	20.96	20.80	21.08	20.95	21.04	21.19	21.15
4	21.08	21.04	21.02	21.02	20.74	20.91	20.77	21.21	20.87	21.16	21.22	21.09
5	21.03	21.04	21.10	21.02	20.84	20.93	20.73	21.15	20.80	21.10	21.14	21.04
6	21.04	21.00	20.96	21.01	21.00	20.93	20.71	21.12	20.73	21.12	21.13	21.03
7	21.08	20.99	20.96	21.00	21.10	20.91	20.68	21.05	20.64	21.17	21.09	21.07
8	21.00	21.00	21.11	20.99	21.15	20.88	20.65	21.12	20.59	21.18	21.18	21.16
9	21.09	21.02	21.07	20.93	21.13	20.85	20.64	21.11	20.63	21.25	21.20	21.09
10	21.06	21.04	21.05	20.94	21.09	20.82	20.60	21.00	20.64	21.13	21.11	21.07
11	21.09	21.01	20.98	20.93	21.07	20.81	20.55	21.05	20.67	21.12	21.07	21.05
12	21.03	21.02	20.99	20.96	21.08	20.80	20.54	21.13	20.71	21.16	21.12	21.08
13	20.99	21.00	21.04	20.96	21.01	20.78	20.56	21.12	20.88	21.23	21.20	21.11
14	21.05	21.01	21.00	20.99	20.92	20.75	20.55	21.14	21.05	21.19	21.12	21.08
15	21.04	21.03	21.02	21.01	21.04	20.72	20.58	21.05	21.04	21.13	21.06	21.01
16	20.99	21.02	21.03	21.00	21.10	20.75	20.66	21.04	21.11	21.14	21.02	21.02
17	21.08	21.07	21.03	20.98	21.12	20.81	20.64	21.04	21.08	21.11	21.10	21.06
18	21.11	21.04	21.02	21.01	21.07	20.88	20.61	21.03	21.08	21.16	21.11	21.22
19	20.99	21.03	21.06	20.99	21.00	20.86	20.59	21.07	21.13	21.02	21.06	21.14
20	20.97	21.05	21.04	20.94	21.02	20.83	20.56	21.08	21.22	21.04	21.12	21.12
21	20.99	21.09	21.04	20.93	21.06	20.88	20.52	21.21	21.25	21.12	21.03	21.17
22	21.01	21.15	21.03	20.91	21.08	21.04	20.48	21.08	21.27	21.07	21.04	21.15
23	21.00	21.04	21.01	20.91	21.11	21.05	20.45	21.15	21.18	21.00	21.10	20.99
24	20.98	20.99	21.03	20.82	21.14	21.06	20.40	21.06	20.98	21.28	20.91	21.22
25	20.98	21.05	21.04	20.85	21.13	21.03	20.36	21.11	21.01	21.15	21.05	21.08
26	21.00	21.08	21.05	20.85	21.16	21.01	20.33	21.09	21.07	21.06	21.10	21.10
27	21.01	21.00	21.07	20.81	21.09	20.97	20.31	21.05	21.11	21.29	21.10	21.01
28	21.01	21.11	21.06	20.78	21.05	20.94	20.95	21.08	21.14	21.14	21.02	21.04
29	21.01	21.07	20.99	20.78	---	20.92	21.02	21.15	21.22	21.15	21.12	21.06
30	21.01	21.02	21.01	20.74	---	20.88	21.12	21.09	21.07	21.14	21.12	21.05
31	20.94	---	20.98	20.75	---	20.84	---	21.08	---	21.09	21.15	---
MEAN	21.03	21.03	21.02	20.93	21.02	20.90	20.63	21.09	20.97	21.13	21.10	21.09
MAX	21.11	21.15	21.11	21.02	21.16	21.06	21.12	21.21	21.27	21.29	21.22	21.22
MIN	20.94	20.95	20.96	20.74	20.73	20.72	20.31	21.00	20.59	20.96	20.91	20.99

CAL YR 1984 MEAN 21.04 MAX 21.23 MIN 20.90
WTR YR 1985 MEAN 21.00 MAX 21.29 MIN 20.31

02273000 KISSIMMEE RIVER AT S-65E, NEAR OKEECHOBEE, FL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1940, 1960-62, 1967 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 29...	1206	21.07	194	167	7.5	20.0	3.0	6.9	16
JAN 25...	1310	20.80	.00	210	7.7	16.0	1.0	10.0	18
FEB 28...	1318	21.03	85	225	7.9	21.5	1.5	9.3	23
APR 30...	1301	21.13	718	286	7.7	27.0	1.2	8.2	26
JUL 02...	1100	20.95	289	185	6.9	29.0	1.5	9.3	15
AUG 14...	1227	21.04	841	190	7.1	29.0	.50	3.3	19

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV 29...	3.3	13	1.8	36	11	21	.10	3.0	106
JAN 25...	3.8	13	2.1	60	19	25	.10	1.9	140
FEB 28...	4.6	16	2.4	50	21	30	.10	.3	164
APR 30...	5.9	20	2.8	51	25	40	.10	.5	216
JUL 02...	3.9	14	1.7	34	14	27	.20	1.5	132
AUG 14...	4.0	14	2.4	44	12	23	.20	2.6	143

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 29...	.31	.010	1.2	.080	.070	.060	6	33
JAN 25...	.15	<.010	.60	.060	.070	.030	1	100
FEB 28...	--	--	1.7	.070	.040	--	1	1
APR 30...	<.10	.110	.90	.050	.050	.030	1	<1
JUL 02...	<.10	.040	1.0	.040	.030	.010	2	50
AUG 14...	<.10	.080	.90	.110	.080	.100	12	8

02273000 KISSIMMEE RIVER AT S-65E, NEAR OKEECHOBEE, FL--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
NOV											
29...	1206	10	<1	20	<.0	1	<1	<3	<1	110	3
FEB											
28...	1318	50	<1	26	<.5	<1	<1	<3	4	74	<1
APR											
30...	1301	20	<1	25	<.5	2	<1	<3	3	57	3
AUG											
14...	1227	30	<1	21	<.5	<1	4	<3	1	72	<1

DATE	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV										
29...	<4	3	.1	<10	<1	<1	<1	240	<6	6
FEB										
28...	15	1	.2	<10	1	<1	1	440	<6	20
APR										
30...	<4	3	.8	<10	3	<1	<1	650	<6	6
AUG										
14...	4	5	<.1	<10	2	<1	<1	240	<6	4

02273001 KISSIMMEE RIVER BELOW S-65E, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27°13'32", long 80°57'46", in NE¼ sec.30, T.37 S., R.34 E., Okeechobee County, Hydrologic Unit 03090101, at downstream side of lock and control structure 65E, 1.8 mi downstream from State Highway 70, 8.2 mi upstream from mouth, and 8.5 mi west of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). This is the auxiliary gage for station 02273000 at upstream side of lock and control structure.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 18.18 ft, Feb. 28, 1983; minimum daily, 9.72 ft, July 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 16.08 ft, Oct. 1, stage falling, peak occurred Sept. 30, 1984; minimum daily, 11.64 ft, June 22.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.08	15.43	15.24	15.02	14.47	13.85	13.23	12.84	12.12	11.85	12.38	13.23
2	15.91	15.47	15.32	14.98	14.44	13.77	13.06	12.87	12.07	11.84	12.40	12.95
3	15.98	15.53	15.31	15.00	14.39	13.67	13.02	12.89	11.99	11.79	12.38	13.00
4	16.03	15.52	15.31	14.82	14.34	13.80	13.20	12.75	11.95	11.81	12.32	13.00
5	16.03	15.44	15.35	14.73	14.36	13.70	13.29	12.76	11.90	11.86	12.41	13.05
6	16.01	15.12	15.22	14.78	14.33	13.59	13.12	12.75	11.87	11.84	12.45	13.10
7	15.98	15.01	14.95	14.83	14.20	13.52	13.12	12.79	11.88	11.80	12.42	13.21
8	15.93	15.18	15.10	14.81	13.81	13.57	13.02	12.76	11.85	11.74	12.47	13.23
9	15.87	15.23	15.19	14.74	14.03	13.56	12.75	12.70	11.78	11.66	12.48	13.27
10	15.89	15.32	15.18	14.79	14.22	13.50	12.96	12.65	11.73	11.73	12.46	13.29
11	15.85	15.30	15.21	14.77	14.29	13.50	13.05	12.58	11.71	11.75	12.49	13.30
12	15.86	15.08	15.17	14.44	13.98	13.50	12.97	12.57	11.71	11.70	12.54	13.29
13	15.87	15.02	15.19	14.51	13.96	13.42	13.05	12.60	11.70	11.76	12.51	13.28
14	15.93	15.11	15.17	14.63	14.04	13.42	13.03	12.53	11.73	11.75	12.49	13.07
15	15.93	15.20	15.17	14.59	13.99	13.37	13.12	12.43	11.80	11.75	12.60	13.14
16	15.90	15.17	15.16	14.59	14.06	13.42	13.09	12.51	11.78	11.80	12.60	13.20
17	15.84	15.14	15.14	14.72	14.04	13.42	13.05	12.30	11.77	11.90	12.62	13.24
18	15.83	15.17	15.10	14.59	13.99	12.96	13.13	12.25	11.78	11.89	12.59	13.38
19	15.82	15.15	15.10	14.62	13.98	13.25	13.10	12.33	11.71	11.93	12.62	13.66
20	15.78	15.05	15.11	14.58	13.94	13.38	13.07	12.47	11.71	12.05	12.68	13.84
21	15.82	15.05	15.11	14.18	13.97	13.62	13.03	12.38	11.67	12.12	12.76	13.96
22	15.78	14.76	15.10	14.28	14.02	13.44	13.12	12.27	11.64	12.26	12.72	14.03
23	15.73	14.44	15.07	14.42	14.00	13.34	13.09	12.33	11.65	12.51	12.72	14.08
24	15.63	15.01	15.08	14.49	13.99	13.37	13.05	12.35	11.65	12.33	12.85	14.05
25	15.54	15.26	15.04	14.52	13.92	13.32	13.04	12.28	11.76	12.26	12.89	13.98
26	15.64	15.32	15.04	14.32	13.89	13.32	13.01	12.24	11.77	12.31	12.85	13.98
27	15.69	15.33	15.03	14.40	13.89	13.42	12.99	12.23	11.77	12.33	12.76	14.10
28	15.66	15.33	15.03	14.49	13.81	13.39	12.86	12.24	11.70	12.36	12.81	14.10
29	15.62	15.23	15.03	14.42	---	13.39	12.83	12.24	11.80	12.37	12.94	14.16
30	15.55	15.27	15.02	14.48	---	13.42	12.79	12.27	11.88	12.38	12.95	14.19
31	15.50	---	15.01	14.49	---	13.31	---	12.20	---	12.38	13.34	---
MEAN	15.82	15.19	15.14	14.61	14.08	13.47	13.04	12.50	11.79	11.99	12.63	13.51
MAX	16.08	15.53	15.35	15.02	14.47	13.85	13.29	12.89	12.12	12.51	13.34	14.19
MIN	15.50	14.44	14.95	14.18	13.81	12.96	12.75	12.20	11.64	11.66	12.32	12.95

CAL YR 1984 MEAN 15.82 MAX 16.70 MIN 14.44
WTR YR 1985 MEAN 13.65 MAX 16.08 MIN 11.64

02273200 CANAL 41A AT S-68 AT LAKE ISTOKPOGA, NEAR LAKE PLACID, FL

LOCATION.--Lat 27°19'55", long 81°15'05", in sec.19 or 20, T.36 S., R.31 E., Highlands County, Hydrologic Unit 03090101, 33 ft from right bank, 350 ft upstream from control structure 68 at Lake Istokpoga, and 7.5 mi northeast of town of Lake Placid.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1963 to current year. Prior to October 1968, published as "above S-68."

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 28, 1973, at same site at datum 30.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by operation of control structure 68. Records do not include diversions through stoplog control structure on Istokpoga Canal. Gage heights are published as elevations for Lake Istokpoga (station 02271700) in the section of this report entitled "Lake Elevations."

COOPERATION.--Gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--21 years (water years 1964-85), 263 ft³/s, 190,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,500 ft³/s, Sept. 6, 1965; maximum gage height, 40.23 ft, Dec. 10, 1969, Sept. 3, 1979, present datum, affected by wind; no flow for many days each year; minimum gage height, 35.82 ft, June 17, 1971, present datum, affected by wind.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,350 ft³/s, Sept. 22,23; maximum gage height, 39.50 ft, Sept. 30, affected by wind; no flow for many days; minimum gage height, 36.72 ft, June 12, affected by wind.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	180	.00	90	.00	32	.00	90	.00	.00	.00	576
2	.00	180	.00	90	.00	.00	.00	90	.00	.00	.00	1060
3	.00	180	.00	90	.00	.00	.00	32	.00	.00	.00	900
4	.00	180	.00	90	.00	.00	.00	.00	.00	.00	.00	900
5	.00	180	.00	90	.00	.00	.00	.00	.00	.00	.00	900
6	.00	180	.00	90	.00	.00	.00	.00	.00	.00	.00	900
7	.00	180	.00	90	.00	.00	.00	.00	.00	.00	.00	900
8	.00	180	.00	90	.00	.00	.00	.00	.00	.00	.00	900
9	.00	180	.00	90	.00	.00	.00	58	.00	.00	.00	900
10	.00	180	.00	90	.00	.00	.00	90	.00	.00	.00	315
11	58	180	.00	90	.00	.00	.00	90	.00	.00	.00	.00
12	90	180	.00	90	.00	58	.00	90	.00	.00	.00	.00
13	90	180	.00	90	.00	90	.00	90	.00	.00	.00	.00
14	90	123	.00	109	.00	90	.00	90	.00	.00	.00	.00
15	90	90	.00	120	.00	90	.00	90	.00	.00	.00	.00
16	90	90	.00	120	.00	90	.00	90	.00	.00	.00	.00
17	148	90	.00	120	.00	90	.00	90	.00	.00	.00	.00
18	180	90	59	120	.00	33	.00	90	.00	.00	.00	.00
19	180	90	90	120	.00	.00	.00	90	.00	.00	.00	.00
20	180	90	90	120	.00	.00	.00	90	.00	.00	.00	.00
21	180	32	90	156	.00	.00	.00	31	.00	.00	.00	872
22	180	.00	90	180	.00	.00	.00	.00	.00	.00	.00	1350
23	180	.00	90	214	.00	.00	.00	.00	.00	.00	.00	1350
24	180	.00	90	88	.00	.00	.00	.00	.00	.00	.00	518
25	180	.00	90	.00	57	.00	.00	.00	.00	.00	.00	.00
26	180	.00	90	.00	90	.00	.00	.00	.00	.00	.00	.00
27	180	.00	90	.00	90	.00	.00	.00	.00	.00	.00	.00
28	180	.00	90	.00	90	.00	.00	.00	.00	.00	.00	.00
29	180	.00	90	.00	---	.00	.00	.00	.00	.00	.00	.00
30	180	.00	90	.00	---	.00	58	.00	.00	.00	.00	.00
31	180	---	90	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	3176.00	3035.00	1229.00	2637.00	327.00	573.00	58.00	1291.00	.00	.00	.00	12341.00
MEAN	102	101	39.6	85.1	11.7	18.5	1.93	41.6	.00	.00	.00	411
MAX	180	180	90	214	90	90	58	90	.00	.00	.00	1350
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	6300	6020	2440	5230	649	1140	115	2560	.00	.00	.00	24480

CAL YR 1984	TOTAL 88770.00	MEAN 243	MAX 1800	MIN .00	AC-FT 176100
WTR YR 1985	TOTAL 24667.00	MEAN 67.6	MAX 1350	MIN .00	AC-FT 48930

02273300 CANAL 41A AT S-84, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27°12'55", long 80°58'55", in SW¼ sec.36, T.37 S., R.33 E., Highlands County, Hydrologic Unit 03090101, 40 ft from left bank, 500 ft upstream from control structure 84, and 9.5 mi west of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1963 to current year. Prior to October 1968, published as "above S-84."

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is 10.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Estimated daily discharges: Oct. 31, July 21,25, Aug. 19,24. Records fair. Flow regulated by operation of structure 84, by storage releases upstream at structure 68 at outlet of Lake Istokpoga and several small diversions above station for irrigation. Flow may be diverted into either Indian Prairie Canal or Harney Pond Canal by combined operation by structures 70, 75, 82, and 83.

COOPERATION.--Gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--21 years (water years 1965-85), 194 ft³/s, 140,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,080 ft³/s, Oct. 3, 1969; maximum gage height, 17.39 ft, July 9, 1984; no flow for many days each year; minimum gage height, 6.78 ft, Oct. 16, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 2,190 ft³/s, Sept. 22; maximum gage height, 15.18 ft, Oct. 3; no flow for many days; minimum gage height, 10.45 ft, June 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	337
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	768
3	227	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	800
4	.00	220	.00	.00	.00	.00	.00	.00	.00	.00	.00	958
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1150
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1030
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1220
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	967
9	.00	159	.00	.00	.00	.00	.00	.00	.00	.00	.00	1190
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	518
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	219	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	109	.00
20	235	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	586
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	177	.00	1210
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2190
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1790
24	205	.00	.00	.00	.00	.00	.00	.00	.00	.00	194	647
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	183	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	148	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	175
31	224	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	1061.00	598.00	.00	.00	.00	.00	.00	.00	.00	360.00	303.00	15536.00
MEAN	34.2	19.9	.00	.00	.00	.00	.00	.00	.00	11.6	9.77	518
MAX	235	220	.00	.00	.00	.00	.00	.00	.00	183	194	2190
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	2100	1190	.00	.00	.00	.00	.00	.00	.00	714	601	30820

CAL YR 1984	TOTAL	66934.00	MEAN	183	MAX	2310	MIN	.00	AC-FT	132800
WTR YR 1985	TOTAL	17858.00	MEAN	48.9	MAX	2190	MIN	.00	AC-FT	35420

KISSIMMEE RIVER BASIN

02273300 CANAL 41A AT S-84, NEAR OKEECHOBEE, FL

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.84	13.87	14.16	13.02	13.12	12.38	11.84	11.35	11.08	11.23	14.51	14.62
2	14.89	14.27	14.17	12.92	13.06	12.32	11.76	11.31	11.05	11.23	14.56	14.54
3	14.61	14.62	14.16	12.87	13.00	12.22	11.80	11.35	11.08	11.27	14.60	14.44
4	13.83	14.40	14.11	12.81	12.93	12.13	11.79	11.38	10.97	11.29	14.69	14.77
5	13.91	13.96	13.97	12.81	12.89	12.09	11.78	11.39	10.86	11.25	14.72	14.75
6	13.97	14.31	13.97	12.81	12.90	12.05	11.82	11.41	10.76	11.16	14.75	14.53
7	14.01	14.48	13.92	12.75	12.90	12.00	11.83	11.41	10.75	11.06	14.77	14.42
8	14.06	14.63	13.88	12.65	12.90	12.02	11.84	11.39	10.79	11.06	14.79	14.65
9	14.10	14.46	13.88	12.54	12.78	11.95	11.75	11.38	10.82	11.09	14.83	14.45
10	14.14	14.00	13.85	12.46	12.66	11.87	11.61	11.39	10.79	11.12	14.84	14.20
11	14.20	14.35	13.79	12.39	12.61	11.81	11.52	11.43	10.68	11.31	14.84	14.05
12	14.24	14.66	13.77	12.32	12.72	11.83	11.57	11.51	10.61	11.48	14.83	14.13
13	14.29	14.73	13.73	12.25	12.66	11.83	11.57	11.52	10.70	11.63	14.81	14.19
14	14.34	13.83	13.62	12.27	12.63	11.83	11.51	11.51	10.79	11.78	14.80	14.24
15	14.41	13.82	13.60	12.61	12.64	11.82	11.53	11.42	10.80	12.12	14.80	14.27
16	14.48	13.81	13.61	13.00	12.66	11.77	11.67	11.29	10.83	12.58	14.79	14.30
17	14.53	14.00	13.62	13.40	12.66	11.83	11.71	11.26	10.85	13.02	14.79	14.32
18	14.84	13.82	13.61	13.68	12.66	11.88	11.73	11.16	10.86	13.40	14.77	14.39
19	14.86	13.84	13.57	13.69	12.66	11.86	11.78	11.08	10.89	13.74	14.55	14.66
20	13.83	13.90	13.51	13.68	12.66	11.86	11.81	11.03	10.91	14.25	13.95	14.41
21	14.19	13.80	13.37	13.65	12.65	11.90	11.82	11.00	10.91	14.43	14.11	14.43
22	14.51	13.84	13.34	13.55	12.64	12.11	11.81	10.96	10.97	14.38	14.32	14.51
23	14.77	13.98	13.34	13.39	12.56	12.15	11.85	10.92	11.03	14.68	14.62	14.43
24	13.83	14.01	13.33	13.35	12.48	12.18	11.87	10.92	11.05	14.88	14.58	14.15
25	14.11	14.01	13.30	13.38	12.49	12.18	11.89	10.97	11.06	14.17	14.19	14.13
26	14.46	14.03	13.27	13.38	12.52	12.10	11.86	10.99	11.10	14.20	14.33	14.28
27	14.72	14.05	13.21	13.36	12.53	12.11	11.72	11.02	11.15	14.30	14.44	14.45
28	13.78	14.10	13.19	13.39	12.47	12.14	11.59	11.04	11.17	14.36	14.49	14.78
29	14.16	14.13	13.18	13.39	---	12.13	11.50	11.05	11.21	14.41	14.54	14.86
30	14.50	14.13	13.18	13.35	---	12.01	11.41	11.05	11.22	14.44	14.58	14.16
31	14.62	---	13.14	13.25	---	11.91	---	11.07	---	14.45	14.59	---
MEAN	14.32	14.13	13.62	13.04	12.72	12.01	11.72	11.22	10.92	12.77	14.61	14.42
MAX	14.89	14.73	14.17	13.69	13.12	12.38	11.89	11.52	11.22	14.88	14.84	14.86
MIN	13.78	13.80	13.14	12.25	12.47	11.77	11.41	10.92	10.61	11.06	13.95	14.05

CAL YR 1984 MEAN 14.31 MAX 16.87 MIN 13.14
WTR YR 1985 MEAN 12.96 MAX 14.89 MIN 10.61

02274000 TAYLOR CREEK NEAR BASINGER, FL

LOCATION.--Lat 27°23'39", long 80°53'44", in SE¼ sec.26, T.35 S., R.34 E., Okeechobee County, Hydrologic Unit 03090102, near center of channel on downstream side of bridge on State Highway 68, 800 ft upstream from control structure 3, 0.8 mi downstream from small tributary, 8.5 mi east of Basinger, and 17 mi upstream from mouth.

DRAINAGE AREA.--15.7 mi².

PERIOD OF RECORD.--June 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.00 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 13, 1960 at present site, at datum 4.10 ft higher. Apr. 14, 1960, to Sept. 30, 1962, at site about 500 ft downstream, and Oct. 1, 1962, to Sept. 30, 1966, at present site, at datum 4.10 ft higher.

REMARKS.--No estimated daily discharges. Records fair except those for backwater condition Sept. 1-14, which are poor. Some diversion during low flow for irrigation. Flow regulated at station by operation of control structure 3 since February 1965.

AVERAGE DISCHARGE.--30 years, 14.7 ft³/s, 10,650 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,540 ft³/s, Oct. 15, 1956, gage height, 11.98 ft, present datum, from rating curve extended above 1,100 ft³/s; no flow at times in most years; minimum gage height, 2.75 ft, Feb. 11, 1965, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 252 ft³/s, Sept. 21, gage height, 9.60 ft; no flow May 13-15, June 7-12; minimum gage height, 3.32 ft, Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	3.8	6.2	1.6	.44	.61	.56	.72	.34	4.1	5.1	57
2	31	3.8	8.2	1.4	.40	.56	.72	.56	.21	3.2	6.2	85
3	23	3.8	7.5	1.4	.37	.47	1.4	.40	.13	3.4	5.9	77
4	19	3.8	6.2	2.0	.37	.40	1.2	.32	.08	3.4	5.1	59
5	15	3.6	5.4	2.0	.37	.37	.88	.32	.05	2.6	4.8	47
6	13	3.4	4.6	1.8	.37	.34	.80	.19	.01	2.2	7.4	47
7	11	3.0	3.8	1.6	.37	.30	.66	.14	.00	2.0	12	53
8	9.5	2.6	3.6	1.6	.40	.25	1.3	.09	.00	3.4	7.9	43
9	8.3	2.4	3.4	1.4	.44	.21	1.4	.06	.00	4.1	12	38
10	8.1	2.4	3.0	1.4	.40	.19	.96	.03	.00	2.8	12	34
11	7.2	2.2	3.0	1.4	.40	.16	.72	.01	.00	2.2	11	30
12	6.6	2.0	2.8	1.4	.56	.13	.72	.01	.00	2.0	11	24
13	5.8	1.8	2.8	1.4	.72	.12	1.0	.00	8.1	3.0	11	16
14	4.9	1.6	2.6	1.2	.96	.09	1.0	.00	22	4.3	30	4.6
15	2.5	1.4	2.4	1.0	1.0	.08	3.3	.00	15	3.4	46	10
16	1.6	1.4	2.6	1.0	1.0	.11	7.0	.10	8.3	2.8	31	13
17	3.4	1.4	2.6	1.2	1.0	1.4	3.4	.88	5.1	2.8	23	8.2
18	3.4	1.2	2.8	1.4	1.0	2.6	2.4	.96	3.6	2.6	16	43
19	3.2	.96	2.8	1.8	1.0	1.8	2.0	.80	3.0	2.4	16	205
20	3.0	.88	2.6	1.8	1.0	1.4	1.6	.56	2.4	2.4	39	180
21	3.8	1.4	2.6	1.4	1.0	2.1	1.4	.47	2.9	2.4	26	228
22	3.4	3.1	2.4	1.4	.96	4.8	1.0	.30	4.5	2.0	18	147
23	3.6	23	2.2	1.4	.96	3.0	.96	.24	7.3	1.8	16	97
24	3.8	28	2.2	1.4	.96	2.4	.88	6.3	4.8	1.8	13	67
25	3.8	21	2.0	1.4	.88	1.8	.96	4.3	3.4	1.8	10	47
26	4.1	14	2.0	1.4	.80	1.6	.88	3.0	3.0	1.6	8.2	36
27	6.4	11	2.4	1.2	.80	1.4	.72	2.2	2.7	1.6	6.6	20
28	10	8.5	2.4	1.0	.66	1.0	.61	1.4	4.1	1.4	7.0	14
29	6.6	7.2	2.0	1.2	---	.88	.52	1.0	13	1.4	7.0	13
30	5.1	5.9	1.8	1.0	---	.80	.72	.80	6.2	1.4	10	12
31	4.3	---	1.8	.61	---	.66	---	.52	---	2.0	11	---
TOTAL	273.4	170.54	102.7	43.21	19.59	32.03	41.67	26.68	120.22	78.3	445.2	1754.8
MEAN	8.82	5.68	3.31	1.39	.70	1.03	1.39	.86	4.01	2.53	14.4	58.5
MAX	39	28	8.2	2.0	1.0	4.8	7.0	6.3	22	4.3	46	228
MIN	1.6	.88	1.8	.61	.37	.08	.52	.00	.00	1.4	4.8	4.6
AC-FT	542	338	204	86	39	64	83	53	238	155	883	3480

CAL YR 1984	TOTAL	5080.60	MEAN	13.9	MAX	200	MIN	.00	AC-FT	10080
WTR YR 1985	TOTAL	3108.34	MEAN	8.52	MAX	228	MIN	.00	AC-FT	6170

TAYLOR CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTH

02274000 TAYLOR CREEK NEAR BASINGER, FL

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	6.12	6.21	6.01	5.88	5.92	5.91	5.94	5.85	6.13	6.17	6.81
2	4.16	6.12	6.27	6.00	5.87	5.91	5.94	5.91	5.79	6.09	6.21	7.71
3	4.00	6.12	6.25	6.00	5.86	5.89	6.00	5.87	5.74	6.10	6.20	7.47
4	3.87	6.12	6.21	6.03	5.86	5.87	5.99	5.84	5.70	6.10	6.17	6.98
5	3.75	6.11	6.18	6.03	5.86	5.86	5.96	5.79	5.66	6.06	6.16	6.68
6	3.68	6.10	6.15	6.02	5.86	5.85	5.95	5.74	5.61	6.04	6.24	6.68
7	3.61	6.08	6.12	6.01	5.86	5.83	5.93	5.70	5.57	6.03	6.38	6.83
8	3.55	6.06	6.11	6.01	5.87	5.81	5.96	5.66	5.53	6.08	6.26	6.56
9	3.50	6.05	6.10	6.00	5.88	5.79	6.00	5.62	5.49	6.13	6.36	6.36
10	3.49	6.05	6.08	6.00	5.87	5.78	5.97	5.59	5.45	6.07	6.37	6.21
11	3.45	6.04	6.08	6.00	5.87	5.76	5.94	5.58	5.41	6.04	6.34	6.05
12	3.42	6.03	6.07	6.00	5.91	5.74	5.94	5.60	5.42	6.03	6.34	5.78
13	3.39	6.02	6.07	6.00	5.94	5.73	5.98	5.58	6.20	6.08	6.34	5.31
14	3.35	6.01	6.06	5.99	5.97	5.71	5.98	5.55	6.59	6.14	6.76	4.90
15	3.85	6.00	6.05	5.98	5.98	5.69	6.08	5.52	6.45	6.10	7.07	6.29
16	5.88	6.00	6.06	5.98	5.98	5.72	6.23	5.59	6.27	6.07	6.78	6.40
17	6.10	6.00	6.06	5.99	5.98	5.96	6.10	5.96	6.17	6.07	6.62	6.27
18	6.10	5.99	6.07	6.00	5.98	6.06	6.05	5.97	6.11	6.06	6.48	6.85
19	6.09	5.97	6.07	6.02	5.98	6.02	6.03	5.95	6.08	6.05	6.47	9.12
20	6.08	5.96	6.06	6.02	5.98	6.00	6.01	5.91	6.05	6.05	6.92	8.85
21	6.12	6.00	6.06	6.00	5.98	6.03	6.00	5.85	6.07	6.05	6.68	9.36
22	6.10	6.07	6.05	6.00	5.97	6.16	5.98	5.76	6.15	6.03	6.53	8.47
23	6.11	6.61	6.04	6.00	5.97	6.08	5.97	5.74	6.24	6.02	6.48	7.85
24	6.12	6.73	6.04	6.00	5.97	6.05	5.96	6.20	6.16	6.02	6.41	7.43
25	6.12	6.58	6.03	6.00	5.96	6.02	5.97	6.14	6.10	6.02	6.33	7.10
26	6.13	6.44	6.03	6.00	5.95	6.01	5.96	6.08	6.08	6.01	6.27	5.76
27	6.21	6.35	6.05	5.99	5.95	6.00	5.94	6.04	6.06	6.01	6.22	3.90
28	6.32	6.28	6.05	5.98	5.93	5.98	5.92	6.00	6.13	6.00	6.23	3.72
29	6.22	6.24	6.03	5.99	---	5.96	5.90	5.98	6.40	6.00	6.23	3.67
30	6.17	6.20	6.02	5.98	---	5.95	5.94	5.95	6.21	6.00	6.33	3.65
31	6.14	---	6.02	5.92	---	5.93	---	5.90	---	6.03	5.96	---
MEAN	4.95	6.15	6.09	6.00	5.93	5.91	5.98	5.82	5.96	6.06	6.40	6.50
MAX	6.32	6.73	6.27	6.03	5.98	6.16	6.23	6.20	6.59	6.14	7.07	9.36
MIN	3.35	5.96	6.02	5.92	5.86	5.69	5.90	5.52	5.41	6.00	5.96	3.65

CAL YR 1984 MEAN 5.54 MAX 8.03 MIN 3.23
WTR YR 1985 MEAN 5.98 MAX 9.36 MIN 3.35

02274330 TAYLOR CREEK ABOVE S-1, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27°17'47", long 80°49'44", in NE¼ sec.33, T.36 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, near left bank on upstream side of wingwall of abandoned control structure 1,800 ft upstream from U.S. Highway 441, 0.3 mi upstream from Williamson Ditch, 3.7 mi north of Okeechobee, and 9.7 mi upstream from mouth at control structure 191.

DRAINAGE AREA.--62.2 mi².

PERIOD OF RECORD.--March to June 1964 (fragmentary), July 1964 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to June 25, 1964, reference point at present site and June 25, 1964 to May 31, 1976 at site 150 ft upstream at same datum.

REMARKS.--Flow regulated by control structure 191 beginning July 1973.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.69 ft, June 23, 1973, result of coffer dam; minimum, 12.87 ft, estimated, Sept. 7, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.98 ft, Sept. 6; minimum, 18.13 ft, June 12.

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.06	18.86	18.94	18.86	19.04	18.82	19.01	18.81	18.44	18.97	19.09	18.95
2	18.98	19.02	18.99	18.89	19.11	18.85	18.98	18.79	18.39	18.89	19.02	19.01
3	18.96	18.88	18.92	19.01	18.78	18.89	18.91	18.76	18.34	18.97	18.92	19.05
4	18.96	18.93	18.95	18.84	18.83	18.94	18.87	18.72	18.29	18.86	18.93	18.98
5	18.96	18.95	18.95	18.83	18.91	18.96	18.82	18.70	18.25	18.81	18.92	19.02
6	18.98	18.88	18.96	19.05	18.96	18.99	---	18.66	18.21	18.84	18.92	19.58
7	18.95	19.01	18.91	18.77	19.02	18.94	---	18.63	18.22	18.84	18.96	19.60
8	18.92	18.90	18.99	18.86	18.89	18.84	---	18.59	18.23	19.00	18.93	---
9	18.92	18.86	18.84	18.97	18.76	18.89	---	18.55	18.23	19.11	18.92	---
10	18.92	19.00	18.94	18.95	18.83	18.92	---	18.51	18.24	19.05	19.06	---
11	18.97	18.99	18.97	18.79	18.91	18.95	---	18.48	18.25	19.06	18.98	---
12	18.91	18.79	18.94	18.75	18.94	18.97	---	18.50	18.27	19.03	18.95	---
13	18.89	18.88	18.94	18.73	19.02	18.98	---	18.47	18.36	19.07	18.91	---
14	19.01	18.97	18.98	18.74	18.89	19.00	---	18.44	18.62	18.99	18.97	---
15	18.90	19.05	18.86	18.73	18.76	18.99	---	18.39	18.87	19.01	19.17	---
16	18.97	18.89	18.90	18.75	18.82	18.90	---	18.37	19.03	19.07	18.98	---
17	18.95	18.82	18.92	18.79	18.88	18.91	---	18.40	18.94	19.05	18.97	---
18	18.90	18.93	18.86	18.82	18.93	18.86	---	18.42	18.93	19.12	19.03	---
19	19.04	19.03	19.02	18.86	19.00	18.97	---	18.41	19.03	19.03	18.95	---
20	18.94	18.91	18.87	18.90	18.91	19.08	---	18.41	18.92	19.05	18.84	---
21	18.97	18.81	18.91	18.88	18.77	19.02	---	18.38	18.77	18.97	18.96	---
22	19.00	18.91	19.06	18.90	18.84	18.98	---	18.41	18.90	19.02	18.92	---
23	18.92	18.83	18.81	18.94	18.88	18.87	---	18.39	18.89	19.05	18.93	---
24	19.06	18.97	18.95	19.03	18.94	19.02	---	18.39	18.92	18.92	18.94	---
25	18.85	18.96	19.07	18.92	18.97	18.83	---	18.44	19.03	18.99	18.93	---
26	19.04	18.97	18.80	18.88	19.02	19.00	---	18.49	18.91	18.96	18.91	---
27	18.88	18.96	18.94	18.98	19.06	19.06	---	18.51	18.88	18.98	18.88	---
28	18.97	18.98	19.07	18.95	18.93	19.06	---	18.51	18.94	18.93	18.90	---
29	19.05	18.98	18.82	18.78	---	19.05	---	18.49	18.88	19.11	18.93	---
30	18.85	18.90	18.93	18.88	---	19.05	---	18.47	18.77	18.84	18.93	---
31	18.99	---	19.06	18.96	---	19.04	---	18.46	---	18.98	18.98	---
MEAN	18.96	18.93	18.94	18.87	18.91	18.96	---	18.51	18.63	18.99	18.96	---
MAX	19.06	19.05	19.07	19.05	19.11	19.08	---	18.81	19.03	19.12	19.17	---
MIN	18.85	18.79	18.80	18.73	18.76	18.82	---	18.37	18.21	18.81	18.84	---

CAL YR 1984 MEAN 18.97 MAX 20.56 MIN 18.70

02274495 WILLIAMSON DITCH AT S-7, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27°17'45", long 80°49'35", in NW¼ sec.34, T.36 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, near right bank 125 ft upstream from control structure 7, 450 ft upstream from mouth, and 3.6 mi north of Okeechobee.

DRAINAGE AREA.--35.4 mi².

PERIOD OF RECORD.--March 1964 to current year. Prior to October 1968, published as "above S-7."

GAGE.--Water-stage recorder and sharp-crested weir. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to June 23, 1964, nonrecording gage at site 125 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records good above 30 ft³/s and poor below. Flow regulated at times by stoplog control 1 mi upstream.

AVERAGE DISCHARGE.--21 years, 30.8 ft³/s, 11.82 in/yr, 22,310 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,100 ft³/s, Aug. 28, 1964, gage height, 23.12 ft; maximum gage height, 23.62 ft, July 18, 1974, backwater from Taylor Creek; no flow May 12-19,24-31, June 1,5,6,15-19, 1981; minimum gage height after completion of weir in April 1964, 19.24 ft, June 2, 1985.

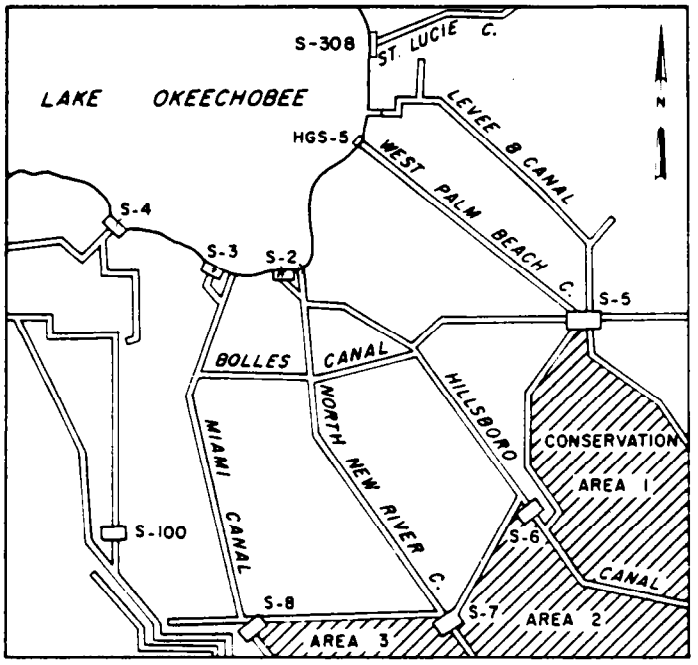
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 564 ft³/s, Sept. 20; maximum gage height, 22.10 ft, Sept. 20, affected by backwater; No flow June 1, 5-12; minimum gage height, 19.24 ft, June 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

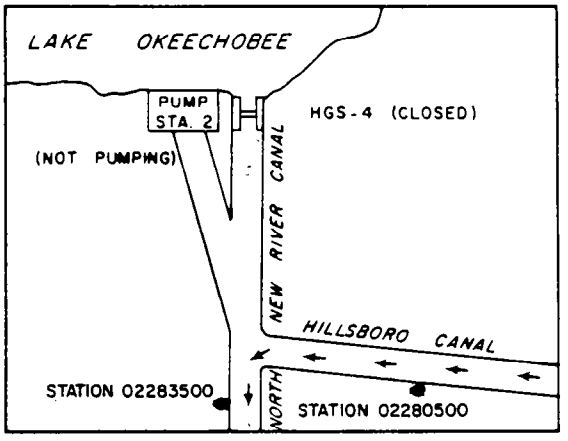
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	3.3	5.4	3.0	1.6	1.8	.17	.35	.00	14	9.5	20
2	15	2.4	8.6	3.0	1.6	1.8	.54	.54	.44	17	18	31
3	9.5	2.4	10	2.7	1.6	1.8	.54	.54	.54	72	18	58
4	6.9	2.4	8.6	3.3	1.6	1.6	.35	.54	.31	80	28	41
5	5.0	2.4	6.9	3.9	1.4	1.2	.35	.35	.00	48	26	93
6	3.9	2.7	5.8	3.6	1.4	5.4	.35	.54	.00	19	17	325
7	3.3	2.1	4.6	3.9	1.8	3.0	.17	.35	.00	7.3	23	359
8	3.0	2.4	3.9	5.4	3.3	1.4	.17	.35	.00	2.7	12	295
9	2.7	2.4	3.6	5.0	2.1	1.4	.17	.54	.00	37	34	208
10	2.4	2.1	3.3	5.4	1.4	1.8	.17	.54	.00	30	113	120
11	2.4	2.1	2.4	4.6	1.2	1.6	.17	.35	.00	12	82	71
12	2.4	2.4	1.8	3.6	1.2	1.4	.17	.35	.00	6.5	40	38
13	2.4	2.4	1.6	3.3	1.2	1.2	.35	.35	.65	5.0	12	23
14	2.7	2.1	1.8	3.3	1.2	1.2	.35	.35	1.2	4.6	71	16
15	2.7	2.1	1.8	3.6	.94	1.4	.54	.35	1.4	4.3	189	53
16	2.4	2.1	1.8	3.3	1.4	2.1	.35	.54	1.2	11	166	32
17	2.4	2.1	1.8	3.6	1.4	4.3	.35	.54	.94	11	113	19
18	2.4	2.1	2.1	3.9	2.7	11	.35	.35	1.2	15	75	108
19	2.4	2.1	2.1	4.6	3.6	3.9	.17	.35	8.2	25	37	484
20	3.0	2.1	2.4	4.6	2.1	1.6	.35	.54	8.2	14	41	564
21	6.1	2.7	2.4	4.3	1.6	1.6	.17	.54	3.0	9.5	55	491
22	5.0	5.4	2.1	3.6	1.4	17	.17	.54	3.6	7.3	36	412
23	4.6	50	2.4	3.9	1.4	8.2	.17	.74	9.5	5.4	48	295
24	3.6	103	2.4	3.3	1.4	3.0	.17	.54	6.5	5.4	33	177
25	2.7	65	2.4	3.0	1.6	3.6	.17	.74	3.6	10	20	87
26	2.4	32	2.4	2.7	2.4	6.1	.17	.74	4.6	77	13	34
27	3.0	15	2.4	1.8	1.6	.54	.17	.54	7.3	71	10	20
28	3.9	11	2.4	1.8	1.8	.54	.17	.54	7.7	55	10	23
29	3.3	8.2	2.4	1.6	---	.54	.35	.54	25	36	12	19
30	3.3	6.1	3.3	1.6	---	.54	.35	.74	15	32	27	17
31	2.7	---	3.3	1.6	---	.54	---	.17	---	17	16	---
TOTAL	148.5	344.6	108.2	106.8	47.94	93.10	8.19	15.08	110.08	761.0	1404.5	4533
MEAN	4.79	11.5	3.49	3.45	1.71	3.00	.27	.49	3.67	24.5	45.3	151
MAX	31	103	10	5.4	3.6	17	.54	.74	25	80	189	564
MIN	2.4	2.1	1.6	1.6	.94	.54	.17	.17	.00	2.7	9.5	16
AC-FT	295	684	215	212	95	185	16	30	218	1510	2790	8990

CAL YR 1984	TOTAL	8019.73	MEAN	21.9	MAX	297	MIN	.35	AC-FT	15910
WTR YR 1985	TOTAL	7680.99	MEAN	21.0	MAX	564	MIN	.00	AC-FT	15240

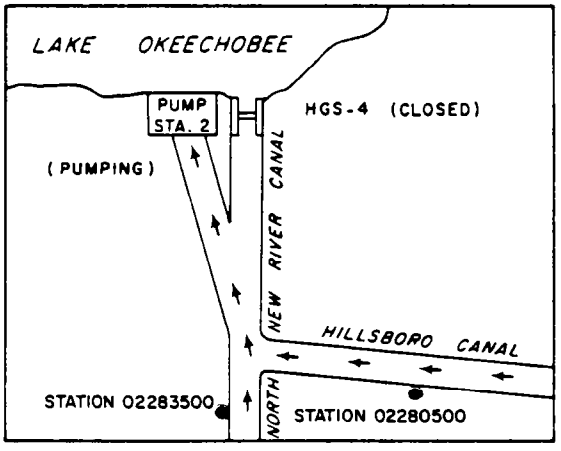
TYPICAL FLOW PATTERNS AT HURRICANE GATE STRUCTURES



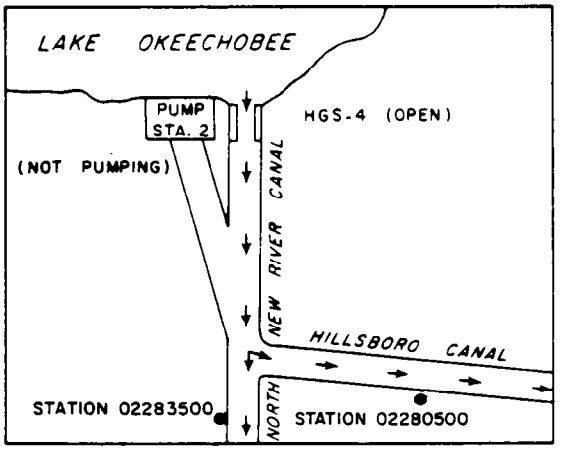
LOCATION



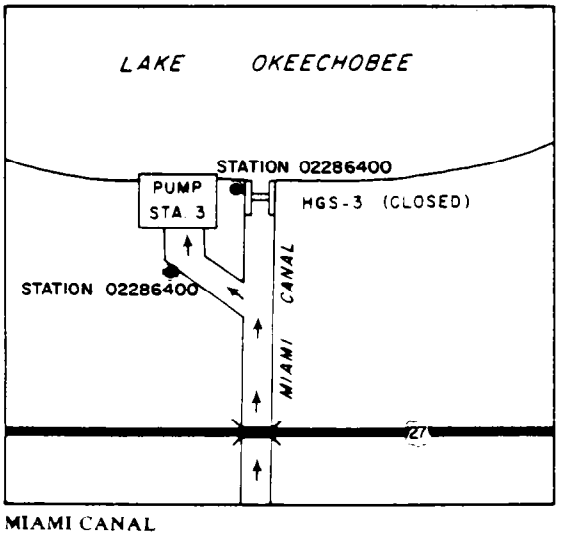
NORTH NEW RIVER CANAL – HILLSBORO CANAL



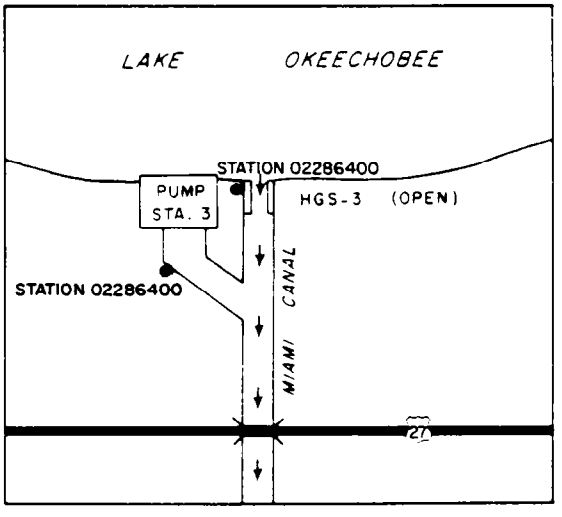
NORTH NEW RIVER CANAL – HILLSBORO CANAL



NORTH NEW RIVER CANAL – HILLSBORO CANAL



MIAMI CANAL



MIAMI CANAL

Figure 7. Typical flow patterns at Hurricane Gate Structures.

02276400 LAKE OKEECHOBEE, FL

LOCATION.--Center of lake, lat 26°57', long 80°50', in southern Florida, Hydrologic Unit 03090201.

SURFACE AREA.--436,000 acres (681 mi²) at elevation 14 ft above National Geodetic Vertical Datum, from data provided by U.S. Army Corps of Engineers.

DRAINAGE AREA.--About 5,650 mi².

PERIOD OF RECORD.--October 1931 to current year. Records of elevations prior to October 1960 are available as follows: from 1912 to 1914 in reports or files of U.S. Army Corps of Engineers, 1915 to September 1931 in reports or files of Everglades Drainage District, and October 1931 to 1960 in files of the Orlando Subdistrict Office.

REVISED RECORDS.--WRD FL 1969: Surface area. WDR FL-77-1: capacity table.

GAGE.--Three water-stage recorders at Hurricane Gate No. 2, Hurricane Gate No. 6 and Port Mayaca. Datum of gages is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1941, nonrecording gage at St. Lucie Canal. Oct. 1, 1941, to Dec. 31, 1950, seven nonrecording 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.

REMARKS.--Lake is diked to form a reservoir and is regulated by control structure gates at several outlets. It is used for navigation, municipal water supply, irrigation, and flood control. Total usable capacity is 2,860,000 acre-ft between elevations 10.5 and 17.5 ft.

COOPERATION.--Records of elevations and capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 18.77 ft, Nov. 2, 1947; minimum daily, 9.79 ft, July 30,31, Aug. 1, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 16.25 ft, Oct. 1, occurred on recession following crest of Sept. 30, 1984; minimum daily, 11.82 ft, June 12,21.

Capacity table, water year 1983-85 (elevation, in feet, and capacity, in acre-feet)

10.0	2,040,000	15.0	3,950,000
11.0	2,370,000	16.0	4,380,000
12.0	2,720,000	17.0	4,830,000
13.0	3,110,000	18.0	5,290,000
14.0	3,530,000		

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.25	15.74	15.50	15.14	14.77	14.01	13.41	13.05	12.32	11.98	12.19	12.53
2	16.24	15.75	15.51	15.24	14.77	13.98	13.38	13.04	12.28	11.99	12.15	12.70
3	16.24	15.75	15.52	15.31	14.76	13.95	13.35	13.02	12.24	12.00	12.13	12.86
4	16.23	15.75	15.53	15.34	14.75	13.91	13.33	13.00	12.19	12.00	12.12	13.00
5	16.22	15.74	15.54	15.32	14.72	13.87	13.31	12.98	12.12	12.00	12.13	13.12
6	16.21	15.71	15.53	15.26	14.67	13.83	13.29	12.96	12.06	11.98	12.17	13.21
7	16.20	15.68	15.52	15.21	14.60	13.79	13.27	12.93	12.01	11.97	12.25	13.27
8	16.19	15.64	15.49	15.18	14.53	13.76	13.25	12.90	11.97	11.97	12.35	13.31
9	16.17	15.59	15.45	15.17	14.47	13.73	13.22	12.87	11.93	11.97	12.46	13.32
10	16.15	15.55	15.42	15.16	14.41	13.70	13.18	12.84	11.88	11.98	12.56	13.32
11	16.14	15.52	15.40	15.13	14.37	13.67	13.15	12.81	11.84	11.98	12.65	13.29
12	16.12	15.49	15.40	15.10	14.35	13.63	13.14	12.78	11.82	11.97	12.70	13.26
13	16.10	15.46	15.39	15.06	14.33	13.61	13.16	12.76	11.84	11.97	12.72	13.24
14	16.08	15.44	15.38	15.03	14.31	13.61	13.21	12.73	11.87	11.97	12.73	13.24
15	16.06	15.41	15.37	15.00	14.30	13.61	13.26	12.70	11.91	11.97	12.72	13.27
16	16.04	15.38	15.35	14.99	14.28	13.60	13.29	12.66	11.93	11.98	12.72	13.35
17	16.02	15.35	15.34	15.00	14.26	13.58	13.31	12.62	11.94	12.00	12.71	13.46
18	16.01	15.33	15.32	15.01	14.24	13.55	13.32	12.57	11.93	12.01	12.72	13.58
19	15.99	15.32	15.31	15.01	14.22	13.53	13.32	12.53	11.89	12.02	12.72	13.70
20	15.97	15.32	15.30	14.98	14.20	13.55	13.30	12.49	11.85	12.01	12.73	13.81
21	15.95	15.35	15.29	14.94	14.18	13.59	13.28	12.48	11.82	12.00	12.73	13.89
22	15.93	15.39	15.28	14.90	14.16	13.62	13.26	12.48	11.83	12.00	12.73	13.95
23	15.91	15.44	15.27	14.87	14.14	13.62	13.23	12.49	11.85	12.04	12.73	13.99
24	15.89	15.49	15.26	14.86	14.12	13.60	13.20	12.51	11.88	12.08	12.72	14.01
25	15.87	15.53	15.25	14.86	14.10	13.58	13.18	12.52	11.90	12.13	12.71	14.03
26	15.85	15.55	15.23	14.84	14.08	13.56	13.15	12.53	11.91	12.16	12.69	14.04
27	15.83	15.55	15.21	14.83	14.07	13.54	13.13	12.51	11.93	12.17	12.68	14.06
28	15.82	15.54	15.20	14.81	14.05	13.52	13.10	12.49	11.94	12.18	12.66	14.07
29	15.80	15.53	15.19	14.79	---	13.50	13.07	12.45	11.96	12.18	12.63	14.08
30	15.79	15.51	15.18	14.78	---	13.48	13.04	12.40	11.97	12.19	12.61	14.09
31	15.77	---	15.17	14.76	---	13.45	---	12.35	---	12.19	12.59	---
MEAN	16.03	15.53	15.36	15.03	14.36	13.66	13.24	12.69	11.96	12.03	12.55	13.50
MAX	16.25	15.75	15.54	15.34	14.77	14.01	13.41	13.05	12.32	12.19	12.73	14.09
MIN	15.77	15.32	15.17	14.76	14.05	13.45	13.04	12.35	11.82	11.97	12.12	12.53

CAL YR 1984 MEAN 16.01 MAX 16.77 MIN 15.17
WTR YR 1985 MEAN 13.83 MAX 16.25 MIN 11.82

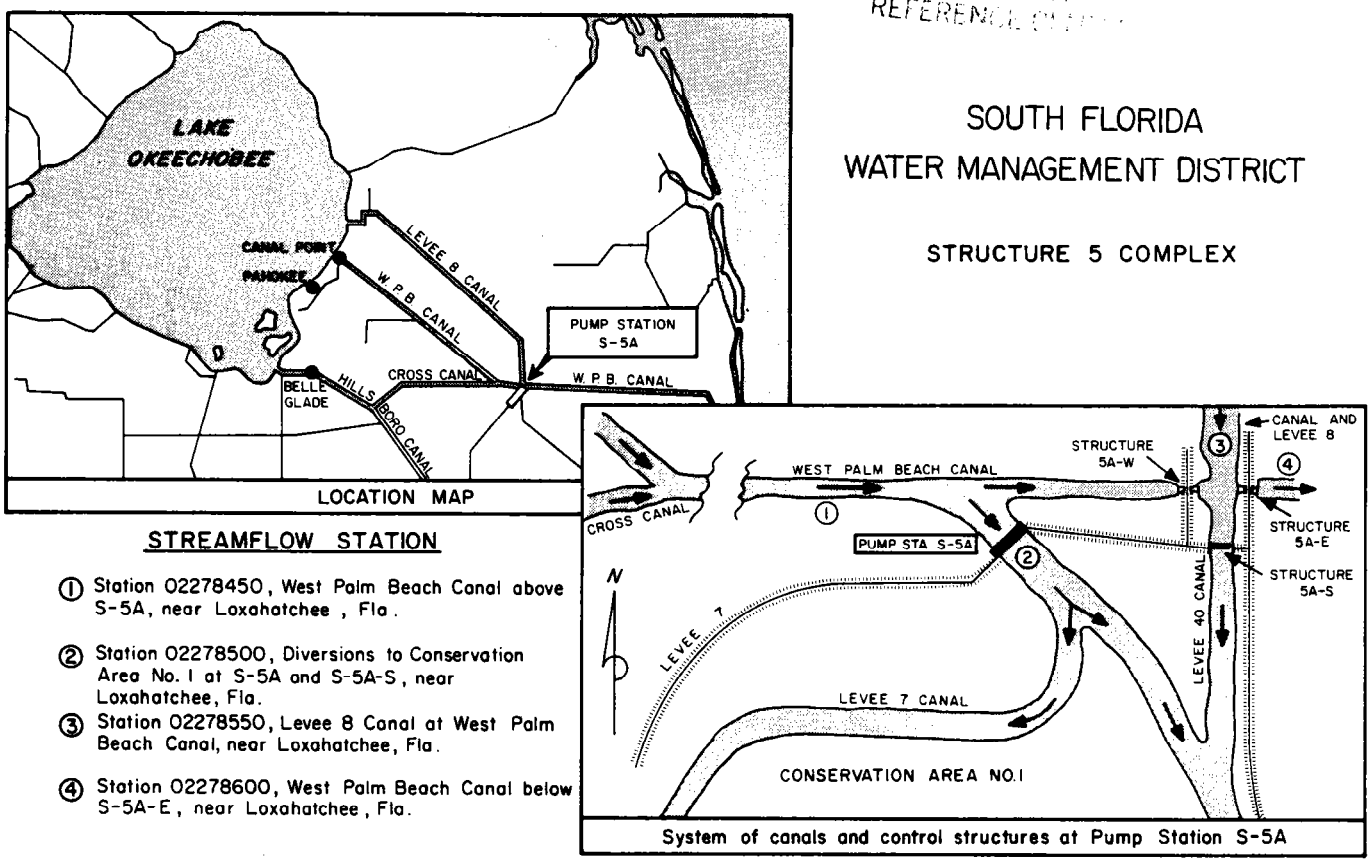


Figure 8. South Florida Water Management District, Structure 5 Complex.

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL
(National stream-quality accounting network station)

LOCATION.--Lat 27°06'39", long 80°17'06", in Hanson Grant, T.39 S., R.41 E., Martin County, Hydrologic Unit 03090202, at upstream end of right lock wall, 6.3 mi southwest of Stuart.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1952 to current year. Gage height records collected at same site since December 1924 are contained in files of the Everglades Drainage District and U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR FL-80-2A: 1978-1979.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Nov. 3, 1948, nonrecording gage at same site and at various datums. Sept. 5, 1952 to Jan. 1, 1955, auxiliary water-stage recorder at Arundel Bridge, 1.9 mi upstream, NGVD.

REMARKS.--Flow regulated by lock near Stuart.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--33 years, 859 ft^3/s, 622,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 11,500 ft^3/s Mar. 26, 1970; lock closed and flow consists of leakage and lockage estimated as 4.0 ft^3/s many days during 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,470 ft^3/s Nov. 24; minimum daily discharge, 10 ft^3/s for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1260	18	618	20	20	20	20	20	12	20	12	20
2	940	14	469	20	198	20	20	20	12	20	12	20
3	680	376	250	20	150	20	20	20	12	20	12	20
4	440	170	423	274	50	20	20	20	12	20	12	20
5	460	99	340	292	20	20	20	20	12	20	12	20
6	470	18	340	20	20	20	20	20	12	20	12	20
7	340	18	83	20	20	20	20	20	12	20	12	20
8	340	18	18	20	20	20	20	20	12	20	12	20
9	130	18	18	20	30	20	20	20	12	20	12	20
10	370	18	18	20	20	20	20	20	12	20	12	20
11	190	122	18	20	20	20	20	20	12	20	12	20
12	140	18	18	20	20	20	20	20	12	20	12	20
13	10	18	18	20	20	20	20	20	12	20	12	20
14	10	18	18	20	20	20	20	20	12	20	12	20
15	10	18	18	20	20	20	20	20	12	20	12	20
16	10	18	378	20	20	20	20	20	12	20	12	20
17	10	18	145	20	20	20	20	20	12	20	12	20
18	10	18	18	20	20	20	20	20	12	20	12	20
19	10	18	18	20	20	20	20	20	12	20	12	20
20	90	18	18	20	20	20	20	20	12	20	12	20
21	510	431	18	20	20	20	20	20	12	20	12	20
22	40	926	319	20	20	20	20	20	12	20	12	20
23	130	2010	128	69	20	20	20	20	12	20	12	20
24	120	2470	18	675	20	20	20	20	12	20	12	20
25	10	1620	18	20	20	20	20	20	12	20	12	20
26	10	1300	18	20	20	20	20	20	12	20	12	20
27	10	860	18	31	20	20	20	20	12	20	12	20
28	10	623	18	177	20	20	20	20	12	20	12	20
29	10	590	18	20	---	20	20	20	12	20	12	20
30	10	470	18	20	---	20	20	20	12	20	12	20
31	10	---	18	20	---	20	---	20	---	20	12	---
TOTAL	6790	12351	3853	2018	908	620	600	620	360	620	372	600
MEAN	219	412	124	65.1	32.4	20.0	20.0	20.0	12.0	20.0	12.0	20.0
MAX	1260	2470	618	675	198	20	20	20	12	20	12	20
MIN	10	14	18	20	20	20	20	20	12	20	12	20
AC-FT	13470	24500	7640	4000	1800	1230	1190	1230	714	1230	738	1190

CAL YR 1984	TOTAL	211772	MEAN	579	MAX 3060	MIN 10	AC-FT	420000
WTR YR 1985	TOTAL	29712	MEAN	81.4	MAX 2470	MIN 10	AC-FT	58930

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1962, July 1964 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	GAGE HEIGHT (FEET ABOVE DATUM) (00065)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC												
18...	1330	22.0	0.0	760	1028	80010	--	--	--	--	742	--
18...	1335	22.0	0.0	760	1028	80010	--	--	0.5	--	742	--
MAR												
20...	1245	23.0	21.0	765	1028	80010	--	--	2.0	--	620	--
APR												
17...	1330	25.0	26.0	759	1028	80010	95	10.81	8.5	45	605	--
JUN												
18...	1350	30.5	32.0	762	1028	80010	--	--	1.0	--	782	10.7

DATE	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
18...	7.00	--	42	216	0.13	0.7	0.44	0.08	0.07	0.09	--	--
18...	7.00	7.60	42	216	--	--	--	--	--	--	83	11
MAR												
20...	7.70	7.60	6.3	164	0.11	1.2	0.23	0.11	0.06	0.05	60	13
APR												
17...	7.80	7.40	6.2	--	--	--	--	--	--	--	76	5.6
JUN												
18...	8.00	7.70	3.2	167	--	1.3	--	0.07	0.03	--	66	15

DATE	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
DEC											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	55	5.7	97	49	0.3	9.5	1	--	34	--	<0.5
MAR											
20...	49	4.2	78	41	0.3	8.9	1	--	40	--	<0.5
APR											
17...	38	2.3	55	22	0.2	9.8	--	1	--	<100	--
JUN											
18...	68	5.6	110	52	0.3	9.7	2	--	33	--	2

DATE	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
DEC											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	<1	--	<1	--	<3	3	--	--	560	5	--
MAR											
20...	<1	--	1	--	<3	3	--	--	24	<1	--
APR											
17...	--	1	--	10	--	--	4	660	--	--	5
JUN											
18...	<1	--	6	--	<3	2	--	--	21	1	--

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
DEC											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	16	<10	2	<1	--	910	<6	17	--	210
MAR											
20...	--	6	<10	2	<1	--	1000	<6	14	--	<10
APR											
17...	30	--	--	--	--	<1	570	--	--	20	--
JUN											
18...	--	6	<10	<1	<1	--	1100	<6	8	--	<10

DATE	LITHIUM DISSOLVED (UG/L AS LI) (01130)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SEDIMENT, SUSPENDED (MG/L) (80154)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	9	<1	--	494	--	--	0.1	--	--	730	186
MAR											
20...	6	<1	--	412	89	--	<0.1	--	19	641	160
APR											
17...	--	--	<1	366	--	--	--	0.7	--	588	204
JUN											
18...	15	<1	--	535	--	0.21	<0.1	--	--	768	171

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

LOCATION.--Lat 27°00'22', long 80°09'46", in NE¼ sec.8, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in Jonathan Dickinson State Park, nr left bank on foot bridge 1.5 mi upstream from mouth, 2.2 mi south of State Highway 708, and 4.0 mi southwest of Hobe Sound.

DRAINAGE AREA.--Indeterminate.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--December 1979 to September 1981, October 1984 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except those for estimated daily discharges which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 229 ft^3/s Nov. 24, 1984, gage height, 6.16 ft; minimum, 0.02 ft^3/s June 3, 4, gage height, 1.24 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	1.2	e60	3.3	1.4	.27	.39	1.6	.08	.62	1.7	2.9
2	35	1.2	e55	3.9	1.4	.26	.46	1.3	.08	.58	1.6	2.6
3	29	1.6	e50	3.9	1.4	.24	.48	.90	.07	.55	1.5	2.9
4	24	2.6	e45	4.2	1.3	.21	.38	.76	.07	.51	1.3	3.3
5	20	2.6	e40	4.4	1.2	.19	.34	.71	.07	.43	1.1	16
6	16	2.5	e35	4.0	1.2	.19	.31	.55	.07	.38	1.1	46
7	14	2.3	e30	3.6	1.1	.19	.29	.44	.07	.33	1.1	29
8	12	2.1	e30	3.4	.96	.19	.27	.35	.07	.30	1.3	20
9	11	1.8	e25	3.1	.91	.17	.27	.29	.09	.27	1.4	16
10	9.3	1.6	e25	2.9	.82	.17	.23	.26	.19	.27	1.3	13
11	8.0	1.4	e20	2.7	.78	.18	.21	.27	.19	.26	1.2	10
12	7.8	1.2	e20	2.5	.86	.16	.22	.25	.19	.27	1.1	8.2
13	7.1	1.0	e18	2.3	.91	.15	.66	.19	.21	.25	1.2	6.8
14	6.1	.92	e15	2.2	.73	.14	.68	.16	.26	.27	1.0	8.1
15	5.3	.78	e15	2.0	.70	.14	1.3	.15	.25	.93	.93	9.9
16	4.7	.70	e12	1.9	.66	.17	1.2	.15	.21	.74	.92	10
17	4.4	.65	11	1.8	.57	.32	1.2	.17	.18	.57	.92	8.9
18	3.4	.59	11	1.8	.53	.28	1.1	.09	.13	.57	.81	61
19	2.9	.57	9.7	2.4	.53	.20	.92	.08	.11	4.6	.76	122
20	2.6	.58	9.4	2.4	.48	.16	.91	.20	.61	3.3	1.3	93
21	2.9	1.2	8.6	2.1	.46	.45	.94	.24	.74	3.2	1.8	71
22	2.9	38	7.8	1.9	.46	.87	.94	.20	.57	3.4	1.7	61
23	2.5	169	7.0	1.8	.42	.63	.83	.17	.48	5.8	1.5	54
24	2.2	199	6.4	1.7	.36	.60	.69	.18	.45	6.2	1.4	49
25	1.8	134	5.8	2.0	.31	.55	.59	.19	.91	5.6	1.2	46
26	1.9	107	5.4	2.2	.30	.50	.52	.18	.85	4.6	1.0	42
27	1.9	92	5.3	1.9	.29	.46	.45	.18	.90	3.9	1.6	39
28	1.9	80	5.2	1.7	.27	.44	.39	.12	.80	3.2	1.6	49
29	1.8	73	4.1	1.6	---	.41	.76	.10	.69	2.6	1.9	45
30	1.6	67	3.7	1.4	---	.38	1.4	.09	.62	2.4	2.0	43
31	1.3	---	3.4	1.4	---	.39	---	.08	---	2.1	2.8	---
TOTAL	285.3	988.09	598.8	78.4	21.31	9.66	19.33	10.60	10.21	59.00	42.04	988.6
MEAN	9.20	32.9	19.3	2.53	.76	.31	.64	.34	.34	1.90	1.36	33.0
MAX	40	199	60	4.4	1.4	.87	1.4	1.6	.91	6.2	2.8	122
MIN	1.3	.57	3.4	1.4	.27	.14	.21	.08	.07	.25	.76	2.6
AC-FT	566	1960	1190	156	42	19	38	21	20	117	83	1960

WTR YR 1985 TOTAL 3111.34 MEAN 8.52 MAX 199 MIN .07 AC-FT 6170

e Estimated

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.17	1.74	---	2.08	1.75	1.47	1.42	1.80	1.29	1.50	1.75	1.94
2	4.02	1.74	---	2.16	1.76	1.47	1.44	1.74	1.28	1.48	1.71	1.89
3	3.83	1.82	---	2.15	1.75	1.46	1.45	1.65	1.28	1.47	1.70	1.94
4	3.65	1.99	---	2.19	1.74	1.45	1.42	1.62	1.28	1.46	1.67	2.00
5	3.47	2.00	---	2.22	1.71	1.44	1.40	1.60	1.27	1.43	1.64	3.02
6	3.30	1.98	---	2.17	1.72	1.43	1.39	1.55	1.26	1.41	1.61	4.35
7	3.14	1.95	---	2.12	1.71	1.44	1.38	1.52	1.26	1.39	1.62	3.78
8	3.00	1.92	---	2.08	1.67	1.44	1.37	1.48	1.26	1.38	1.67	3.43
9	2.87	1.87	---	2.04	1.66	1.43	1.37	1.46	1.27	1.37	1.69	3.19
10	2.76	1.82	---	2.01	1.64	1.43	1.35	1.45	1.33	1.37	1.67	2.99
11	2.65	1.78	---	1.97	1.63	1.43	1.34	1.45	1.33	1.37	1.64	2.76
12	2.63	1.74	---	1.94	1.65	1.42	1.35	1.44	1.33	1.37	1.63	2.59
13	2.55	1.71	---	1.91	1.66	1.42	1.48	1.42	1.34	1.37	1.64	2.45
14	2.46	1.69	---	1.89	1.62	1.41	1.51	1.40	1.37	1.38	1.61	2.57
15	2.37	1.65	---	1.86	1.62	1.41	1.63	1.39	1.36	1.55	1.59	2.76
16	2.29	1.63	---	1.83	1.61	1.43	1.63	1.38	1.34	1.54	1.59	2.77
17	2.25	1.61	2.95	1.81	1.58	1.49	1.63	1.39	1.33	1.49	1.59	2.66
18	2.12	1.60	2.89	1.82	1.57	1.47	1.62	1.34	1.30	1.49	1.56	3.84
19	2.05	1.59	2.81	1.92	1.57	1.44	1.58	1.33	1.29	2.07	1.54	5.52
20	2.00	1.59	2.78	1.91	1.55	1.42	1.57	1.39	1.43	2.00	1.66	5.27
21	2.04	1.72	2.71	1.89	1.54	1.49	1.58	1.42	1.53	1.99	1.77	4.99
22	2.04	3.94	2.62	1.85	1.54	1.56	1.58	1.39	1.48	2.02	1.75	4.76
23	1.99	5.82	2.54	1.82	1.53	1.50	1.55	1.37	1.45	2.31	1.70	4.58
24	1.94	6.01	2.48	1.80	1.51	1.49	1.52	1.38	1.44	2.36	1.68	4.45
25	1.86	5.61	2.41	1.87	1.49	1.47	1.49	1.38	1.56	2.29	1.65	4.35
26	1.88	5.40	2.36	1.89	1.48	1.46	1.46	1.37	1.56	2.18	1.61	4.25
27	1.87	5.27	2.35	1.84	1.48	1.44	1.44	1.37	1.57	2.08	1.72	4.16
28	1.89	5.16	2.33	1.81	1.47	1.44	1.42	1.34	1.55	1.99	1.72	4.45
29	1.86	5.05	2.20	1.78	---	1.43	1.55	1.32	1.52	1.90	1.77	4.33
30	1.82	4.93	2.14	1.76	---	1.42	1.76	1.30	1.50	1.88	1.81	4.26
31	1.77	---	2.10	1.76	---	1.42	---	1.30	---	1.81	1.93	---
MEAN	2.53	2.81	---	1.94	1.61	1.45	1.49	1.44	1.38	1.70	1.67	3.54
MAX	4.17	6.01	---	2.22	1.76	1.56	1.76	1.80	1.57	2.36	1.93	5.52
MIN	1.77	1.59	---	1.76	1.47	1.41	1.34	1.30	1.26	1.37	1.54	1.89

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1980 to March 1982, October 1984 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	GAGE HEIGHT (FEET ABOVE DATUM) (00065)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)
OCT												
11...	1100	24.5	26.5	--	1028	1028	8.1	--	--	333	--	--
NOV												
26...	1000	21.0	22.0	763	1028	80010	108	5.40	280	155	7.50	7.30
DEC												
13...	1428	24.0	25.0	--	1028	1028	17	3.42	--	255	--	--
JAN												
09...	1430	17.0	--	--	1028	1028	3.9	2.03	--	525	--	--
FEB												
12...	1400	17.0	--	--	1028	1028	--	--	--	760	--	--
JUN												
10...	1130	25.0	--	--	1028	1028	0.1	--	--	1180	--	--
AUG												
14...	1045	26.0	30.5	760	1028	1028	1.2	--	--	751	--	--

DATE	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT												
11...	--	1.1	0.04	0.01	0.02	1.1	0.03	0.10	--	--	--	--
NOV												
26...	1.6	0.78	0.04	0.01	--	0.82	0.01	0.05	13	1.6	12	1.4
DEC												
13...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
09...	--	1.3	0.06	0.01	0.06	1.4	0.07	0.04	--	--	--	--
FEB												
12...	--	0.75	0.06	0.01	0.02	0.81	0.03	0.09	--	--	--	--
JUN												
10...	--	1.3	0.16	0.01	0.01	1.5	0.02	0.34	--	--	--	--
AUG												
14...	--	0.69	0.09	0.01	0.06	0.78	0.07	0.13	--	--	--	--

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SEDIMENT, SUSPENDED (MG/L) (80154)	SAMPLING METHOD, CODES (82398)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)
OCT											
11...	46	--	--	--	--	--	--	--	--	--	--
NOV											
26...	22	20	<0.1	2.0	67	90	0.05	3	40.0	130	26
DEC											
13...	20	--	--	--	--	--	--	2	--	--	--
JAN											
09...	--	--	--	--	--	--	--	--	--	--	--
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
JUN											
10...	200	--	--	--	--	--	--	36	--	--	--
AUG											
14...	90	--	--	--	--	--	--	2	--	--	--

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

LOCATION.--Lat 26°59'00", long 80°37'00", in sec.22, T.40 S., R.37 E., Martin County, Hydrologic Unit 03090202, on right bank in control house of structure 308 at Lake Okeechobee, 0.1 mi west of U.S. Highway 441, and 24 mi upstream from control structure 80 (revised).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1931 to September 1952, October 1981 to current year. Prior to October 1946, published at St. Lucie Canal at lock 1, at Lake Okeechobee. Previously published as station number 02276500. All data stored under current station number.

GAGE.--Water-stage recorder, electromagnetic velocity meter recorder, and gate-opening indicators. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 17, 1934, staff gage at site 0.4 mi downstream at different datum. Jan. 17, 1934, to Mar. 15, 1951, water-stage recorder at site 0.8 mi downstream at datum 1.56 ft lower. Mar. 16, 1951 to September 1952, water-stage recorder at bridge on U.S. Highway 441 at present datum. Jan. 17, 1934 to September 1952, auxiliary water-stage recorder 10.9 mi downstream.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by control structure 308 gates and lock at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades (negative figures indicate reverse flow towards Lake Okeechobee). Discharge computed from relations between discharge, head, gate openings, and slope.

COOPERATION.--Lockage and gate-operation record provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--25 years (1931-52, 1981-85), 1,165 ft^3/s, 844,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,150 ft^3/s Feb. 26, 1983; maximum gage height, 18.80 ft Mar. 24, 1983; maximum daily reverse flow, 3,060 ft^3/s Sept. 24, 1985; minimum gage height, 10.28 ft March 5, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,840 ft^3/s June 21; maximum gage height, 16.42 ft Oct. 1; maximum daily reverse flow, 4,280 ft^3/s Sept. 14; no flow for many days; minimum gage height, 11.44 ft June 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	195	.00	79	394	196	-967	-1750	370	-662	-968	25
2	.00	68	.00	190	121	137	-615	-1180	-711	-256	-726	-24
3	.00	.00	.00	362	.00	.00	-2040	-310	-445	-203	2.9	-49
4	.00	.00	.00	229	.00	.00	-1660	-1050	389	174	-491	526
5	.00	.00	.00	.00	401	591	-1360	-216	858	-579	-587	482
6	.00	73	.00	.00	121	372	-745	-38	1230	382	-180	662
7	.00	312	.00	138	.00	970	-390	-91	406	136	-1840	195
8	.00	160	.00	491	.00	2590	1500	48	277	-908	-3570	-114
9	400	262	.00	721	.00	513	821	118	-466	1070	-2270	883
10	.00	411	.00	348	.00	368	107	285	-853	1620	-3820	1210
11	.00	39	130	203	522	983	109	-103	-362	971	-3450	1590
12	.00	368	394	146	1150	-53	-30	-181	-308	1240	-4240	1160
13	.00	697	85	574	1090	-608	-973	153	-102	2300	-1700	196
14	.00	777	260	297	147	-1160	-525	283	-342	1380	-747	-4280
15	194	974	209	62	639	-1800	-399	497	859	211	283	-2850
16	504	1090	156	504	13	-1550	-785	1380	1040	62	273	-73
17	82	630	362	321	.00	-125	633	2510	430	1080	691	193
18	243	.00	377	292	.00	1520	-177	379	885	899	528	-122
19	416	204	.00	304	.00	1020	-1120	96	1610	41	-232	-100
20	212	507	303	505	119	318	-675	459	1160	354	-28	-3120
21	.00	200	178	659	122	268	-54	456	2840	-277	-458	-3680
22	.00	.00	.00	579	163	-2880	-212	649	81	-547	-178	-3370
23	.00	.00	.00	287	124	-893	-183	919	37	713	-482	-2360
24	.00	.00	.00	.00	85	-202	216	675	-298	-955	203	-3060
25	.00	.00	.00	.00	179	-735	-26	558	-116	-507	-687	-2650
26	.00	.00	215	148	318	889	434	499	-1370	-42	170	-1220
27	.00	.00	463	73	363	-637	64	459	-1530	14	786	-1330
28	.00	.00	72	.00	99	-1680	-598	311	-623	-28	-877	-753
29	.00	.00	91	76	---	-1330	360	537	-768	-69	2380	-719
30	.00	.00	76	445	---	-1560	1920	1060	-667	-229	1740	-733
31	.00	---	153	456	---	-841	---	1180	---	-715	1450	---
TOTAL	2051.00	6967.00	3524.00	8489.00	6170.00	-5319.00	-7370	8592	3511	6670	-19024.1	-23485
MEAN	66.2	232	114	274	220	-172	-246	277	117	215	-614	-783
MAX	504	1090	463	721	1150	2590	1920	2510	2840	2300	2380	1590
MIN	.00	.00	.00	.00	.00	-2880	-2040	-1750	-1530	-955	-4240	-4280
AC-FT	4070	13820	6990	16840	12240	-10550	-14620	17040	6960	13230	-37730	-46580

CAL YR 1984	TOTAL	158856.00	MEAN	434	MAX	2790	MIN	.00	AC-FT	315100		
WTR YR 1985	TOTAL	-9224.10	MEAN	-25.3	MAX	2840	MIN	-4280	AC-FT	-18300		

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.34	15.69	15.52	15.15	14.64	14.07	13.51	13.00	12.38	12.03	12.62	13.08
2	16.25	15.74	15.56	15.16	14.65	14.08	13.46	13.05	12.35	12.02	12.64	13.12
3	16.26	15.73	15.56	15.18	14.62	13.94	13.44	13.16	12.33	12.01	12.63	13.16
4	16.24	15.77	e15.55	15.39	14.60	13.90	13.38	13.04	12.25	12.01	12.62	13.19
5	16.23	15.82	e15.57	15.30	14.61	13.91	13.33	12.90	12.12	11.98	12.59	13.25
6	16.20	15.70	15.69	15.16	14.59	13.86	13.34	12.93	12.06	12.00	12.61	13.32
7	16.22	15.60	15.53	15.14	14.51	13.61	13.32	12.93	12.03	11.96	12.63	13.34
8	16.17	15.58	15.49	15.12	14.43	13.73	13.31	12.91	11.99	11.96	12.59	13.37
9	16.15	15.58	15.47	15.07	14.40	13.75	13.15	12.85	11.96	12.01	12.63	13.42
10	16.18	15.58	15.47	15.05	14.42	13.76	13.09	12.82	11.94	12.00	12.61	13.46
11	16.19	15.62	15.48	15.06	14.45	13.71	13.03	12.84	11.88	11.95	12.62	13.49
12	16.15	15.60	15.46	15.00	14.85	13.71	13.03	12.82	11.84	11.95	12.56	13.51
13	16.15	15.48	15.43	14.96	14.51	13.66	13.20	12.80	11.95	11.98	12.65	13.50
14	16.14	15.42	15.41	14.95	14.39	13.64	13.28	12.76	11.93	11.98	12.69	13.32
15	16.12	15.43	15.40	14.95	14.35	13.62	13.31	12.71	11.86	11.98	12.74	13.35
16	16.09	15.42	15.40	14.89	14.33	13.64	13.42	12.71	11.93	12.05	12.77	13.41
17	16.05	15.40	15.38	14.92	14.29	13.87	13.39	12.88	11.91	12.13	12.80	13.49
18	16.01	15.37	15.37	14.92	14.26	13.71	13.28	12.71	11.94	12.10	12.84	13.61
19	15.98	15.38	15.37	14.92	14.26	13.54	13.27	12.54	11.95	12.14	12.85	13.85
20	15.94	15.34	15.36	14.95	14.23	13.47	13.27	12.52	11.92	12.22	12.85	14.06
21	15.96	15.30	15.34	14.96	14.15	13.42	13.21	12.53	11.90	12.26	12.89	14.19
22	15.92	15.33	15.34	14.88	14.13	13.64	13.18	12.53	11.83	12.30	12.91	14.25
23	15.86	15.78	15.32	14.79	14.15	13.70	13.20	12.51	11.87	12.32	12.91	14.29
24	15.84	15.58	15.29	14.75	14.14	13.68	13.22	12.56	11.87	12.49	12.93	14.29
25	15.80	15.54	15.27	14.79	14.15	13.67	13.21	12.62	11.88	12.43	12.96	14.30
26	15.84	15.52	15.24	14.72	14.13	13.54	13.19	12.47	11.90	12.44	12.89	14.41
27	15.85	15.52	15.21	14.71	14.12	13.53	13.15	12.44	11.95	12.50	12.87	14.38
28	15.82	15.56	15.21	14.74	14.09	13.52	13.17	12.44	12.04	12.52	12.84	14.32
29	15.80	15.55	15.21	14.71	---	13.51	13.17	12.43	12.10	12.55	12.97	14.33
30	15.76	15.55	15.20	14.65	---	13.47	13.06	12.41	12.01	12.57	13.04	14.34
31	15.72	---	15.16	14.65	---	13.47	---	12.41	---	12.61	13.17	---
MEAN	16.04	15.55	15.40	14.95	14.37	13.69	13.25	12.72	12.00	12.18	12.77	13.71
MAX	16.34	15.82	15.69	15.39	14.85	14.08	13.51	13.16	12.38	12.61	13.17	14.41
MIN	15.72	15.30	15.16	14.65	14.09	13.42	13.03	12.41	11.83	11.95	12.56	13.08

CAL YR 1984 MEAN 16.04 MAX 17.25 MIN 15.16
WTR YR 1985 MEAN 13.88 MAX 16.34 MIN 11.83

e Estimated

02276871 ST. LUCIE CANAL BELOW S-308 AT PORT MAYACA, FL

LOCATION.--Lat 26°59'00", long 80°37'00", in sec.22, T.40 S., R.37 E., Martin County, Hydrologic Unit 03090202, on right bank in control house downstream of structure 308 at Lake Okeechobee, 0.1 mi west of U.S. Highway 441, and 24 miles upstream from control structure 80 (revised).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Water level affected by regulation of control structure 308 gates and lock at Lake Okeechobee, and structure 80.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.13 ft Mar. 1, 1983; minimum gage height, 8.95 ft Jan. 14, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.09 ft Nov. 23; minimum gage height, 11.61 ft July 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.50	14.10	14.41	14.24	14.31	13.97	13.52	13.04	12.37	12.03	12.65	13.08
2	14.35	14.44	14.32	13.92	14.53	14.01	13.47	13.07	12.36	12.03	12.65	13.12
3	14.49	14.46	14.53	14.07	14.55	13.99	13.47	13.17	12.34	12.01	12.63	13.16
4	14.44	14.27	14.25	14.43	14.12	13.53	13.41	13.06	12.24	12.00	12.64	13.19
5	14.47	14.18	14.33	14.33	13.97	13.43	13.35	12.90	12.11	11.99	12.61	13.24
6	14.30	14.04	14.26	14.38	14.45	13.77	13.35	12.93	12.04	11.99	12.62	13.32
7	14.41	14.13	14.02	14.21	14.42	13.53	13.33	12.93	12.03	11.95	12.66	13.35
8	14.40	14.35	14.03	14.00	14.33	13.65	13.27	12.91	12.00	11.97	12.69	13.38
9	14.39	14.01	14.24	13.97	14.51	13.75	13.13	12.84	11.97	11.99	12.68	13.41
10	14.41	14.51	14.32	14.30	14.45	13.75	13.09	12.82	11.96	11.96	12.72	13.44
11	14.42	14.49	14.01	14.18	14.12	13.69	13.03	12.84	11.89	11.94	12.71	13.46
12	14.43	14.00	14.14	14.14	14.14	13.71	13.03	12.82	11.84	11.92	12.69	13.50
13	14.26	14.45	14.31	13.98	14.11	13.66	13.23	12.79	11.95	11.92	12.69	13.51
14	14.22	14.14	14.14	14.39	14.14	13.65	13.29	12.76	11.93	11.95	12.71	13.47
15	14.06	14.06	14.59	14.10	13.81	13.64	13.32	12.71	11.84	11.98	12.73	13.42
16	14.37	14.31	14.56	14.15	14.41	13.66	13.44	12.67	11.91	12.04	12.77	13.41
17	14.15	14.57	14.01	14.40	14.33	13.88	13.38	12.77	11.91	12.10	12.80	13.48
18	14.02	14.57	14.37	14.20	14.24	13.69	13.28	12.70	11.92	12.08	12.84	13.62
19	14.06	14.17	14.19	14.13	14.19	13.52	13.29	12.54	11.92	12.14	12.85	13.85
20	14.45	14.37	13.98	13.90	13.99	13.46	13.28	12.51	11.88	12.21	12.85	14.13
21	14.38	14.71	14.47	14.03	13.99	13.42	13.21	12.53	11.83	12.27	12.90	14.27
22	14.34	14.38	14.52	14.17	13.89	13.71	13.18	12.51	11.83	12.31	12.91	14.33
23	14.46	14.72	14.41	14.53	14.00	13.71	13.20	12.49	11.88	12.29	12.91	14.37
24	14.20	14.64	14.38	14.56	14.07	13.69	13.22	12.54	11.87	12.51	12.92	14.41
25	14.16	14.46	14.41	14.16	13.87	13.68	13.21	12.61	11.88	12.44	12.97	14.40
26	14.19	14.43	14.07	14.21	13.81	13.53	13.19	12.46	11.94	12.44	12.89	14.51
27	14.44	14.52	14.42	14.55	13.84	13.54	13.15	12.43	11.99	12.50	12.86	14.57
28	14.37	14.29	14.33	14.28	14.04	13.55	13.18	12.43	12.04	12.53	12.87	14.65
29	14.43	14.50	14.07	14.03	---	13.53	13.16	12.43	12.11	12.56	12.92	14.63
30	14.25	14.20	14.38	14.03	---	13.50	13.01	12.39	12.02	12.58	13.01	14.66
31	14.15	---	14.06	14.21	---	13.48	---	12.40	---	12.63	13.13	---
MEAN	14.32	14.35	14.28	14.20	14.17	13.65	13.26	12.71	11.99	12.17	12.79	13.78
MAX	14.50	14.72	14.59	14.56	14.55	14.01	13.52	13.17	12.37	12.63	13.13	14.66
MIN	14.02	14.00	13.98	13.90	13.81	13.42	13.01	12.39	11.83	11.92	12.61	13.08

CAL YR 1984 MEAN 14.38 MAX 15.11 MIN 13.98
WTR YR 1985 MEAN 13.47 MAX 14.72 MIN 11.83

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL

LOCATION.--Lat 26°56'20", long 80°10'31", in NE¼ sec.6, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 0.2 mi downstream from State Highway 706, 1.3 mi upstream from Florida's Turnpike and 5.2 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. This station provides information on the freshwater inflow to the Loxahatchee estuary from the headwaters area.

AVERAGE DISCHARGE.--14 years, 66.0 ft^3/s, 47,820 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1040 ft^3/s Nov. 17, 1982; maximum gage height, 14.80 ft Sept. 25, 1983; no flow on May 4-7, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 766 ft^3/s Nov. 24, gage height, 14.04 ft; minimum, 7.8 ft^3/s June 18, gage height, 7.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	58	101	71	57	42	33	64	26	36	104	102
2	85	59	99	73	57	42	27	57	26	35	105	95
3	72	60	97	72	56	40	20	35	25	34	106	95
4	71	61	93	72	55	40	17	31	26	33	115	100
5	77	60	91	72	53	40	20	33	25	33	114	102
6	76	59	92	71	51	40	24	32	24	33	115	142
7	73	58	86	70	50	39	23	31	24	32	116	141
8	72	57	84	71	49	38	24	29	24	31	130	128
9	71	57	83	71	49	39	34	29	25	30	122	118
10	69	56	82	70	49	39	34	29	24	30	117	107
11	68	55	79	69	49	38	28	29	23	32	113	102
12	68	54	79	69	48	38	27	29	21	34	110	96
13	67	54	80	67	43	36	35	29	21	42	110	90
14	65	54	79	66	25	37	43	27	22	43	108	90
15	63	53	79	64	19	37	51	26	22	45	105	94
16	63	52	78	63	18	37	95	26	21	47	102	98
17	62	52	78	63	17	37	96	27	19	49	101	105
18	61	51	76	63	16	38	91	25	9.5	51	99	222
19	61	49	76	66	18	37	86	24	8.5	54	97	398
20	60	49	76	64	25	35	83	28	9.2	62	101	269
21	63	55	76	62	42	37	82	33	16	58	106	164
22	63	266	75	62	45	43	79	31	24	56	103	106
23	61	619	75	60	45	41	77	30	24	63	100	77
24	59	751	75	57	44	40	75	31	25	79	95	74
25	58	574	74	54	42	39	73	31	27	110	92	89
26	59	280	74	53	41	37	70	31	29	115	89	88
27	60	151	75	53	40	36	67	31	32	113	91	82
28	60	127	74	53	41	35	65	30	35	111	92	111
29	60	113	73	52	---	35	65	30	38	109	81	164
30	60	106	72	51	---	37	68	28	37	108	81	175
31	59	---	71	53	---	34	---	27	---	106	106	---
TOTAL	2077	4150	2502	1977	1144	1183	1612	973	712.2	1814	3226	3824
MEAN	67.0	138	80.7	63.8	40.9	38.2	53.7	31.4	23.7	58.5	104	127
MAX	111	751	101	73	57	43	96	64	38	115	130	398
MIN	58	49	71	51	16	34	17	24	8.5	30	81	74
AC-FT	---	---	4960	3920	2270	2350	3200	1930	1410	3600	6400	7580

CAL YR 1984	TOTAL	28746	MEAN	78.5	MAX	751	MIN	15
WTR YR 1985	TOTAL	25194.2	MEAN	69.0	MAX	751	MIN	8.5

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.14	10.01	11.05	10.48	10.15	9.56	9.19	10.14	8.82	9.28	10.88	10.86
2	10.82	10.03	11.02	10.53	10.15	9.54	8.92	9.92	8.79	9.23	10.89	10.78
3	10.49	10.08	11.00	10.49	10.12	9.48	8.62	9.26	8.77	9.20	10.90	10.77
4	10.44	10.11	10.95	10.49	10.09	9.46	8.47	9.15	8.80	9.18	10.99	10.83
5	10.62	10.08	10.93	10.50	10.03	9.48	8.63	9.21	8.78	9.17	10.98	10.86
6	10.57	10.04	10.94	10.46	9.98	9.47	8.81	9.20	8.72	9.14	10.99	11.24
7	10.50	10.01	10.86	10.44	9.95	9.44	8.75	9.14	8.69	9.10	11.00	11.24
8	10.46	9.99	10.83	10.45	9.92	9.39	8.82	9.06	8.70	9.06	11.14	11.12
9	10.42	9.99	10.82	10.45	9.94	9.42	9.25	9.04	8.73	9.03	11.06	11.02
10	10.37	9.95	10.80	10.44	9.93	9.43	9.26	9.05	8.71	9.04	11.01	10.91
11	10.35	9.93	10.76	10.41	9.92	9.41	8.99	9.08	8.66	9.11	10.97	10.85
12	10.35	9.89	10.76	10.42	9.91	9.39	8.98	9.07	8.65	9.19	10.94	10.79
13	10.32	9.87	10.76	10.37	9.69	9.33	9.27	9.04	8.66	9.49	10.94	10.72
14	10.25	9.87	10.74	10.34	8.86	9.35	9.58	8.97	8.66	9.55	10.92	10.71
15	10.20	9.84	10.73	10.27	8.58	9.36	9.82	8.93	8.66	9.63	10.89	10.76
16	10.18	9.82	10.72	10.25	8.50	9.35	10.80	8.93	8.63	9.70	10.86	10.81
17	10.14	9.80	10.70	10.25	8.46	9.36	10.81	8.97	8.56	9.77	10.84	10.89
18	10.12	9.78	10.66	10.26	8.45	9.38	10.75	8.90	8.01	9.82	10.82	11.73
19	10.12	9.72	10.64	10.38	8.51	9.35	10.69	8.85	7.95	9.99	10.80	12.89
20	10.10	9.72	10.64	10.31	8.86	9.30	10.65	8.95	7.99	10.41	10.84	12.27
21	10.17	9.89	10.64	10.26	9.55	9.37	10.63	9.11	8.39	10.27	10.90	11.58
22	10.17	12.11	10.61	10.25	9.66	9.59	10.58	9.00	8.76	10.18	10.87	11.05
23	10.10	13.60	10.61	10.19	9.67	9.53	10.51	8.97	8.79	10.29	10.84	10.63
24	10.07	14.00	10.60	10.09	9.62	9.49	10.46	9.01	8.80	10.59	10.78	10.53
25	10.03	13.48	10.56	10.00	9.57	9.44	10.41	9.02	8.91	10.95	10.74	10.84
26	10.06	12.32	10.57	9.98	9.51	9.36	10.31	9.01	8.99	10.99	10.71	10.82
27	10.09	11.53	10.60	9.99	9.47	9.32	10.23	9.03	9.13	10.97	10.73	10.74
28	10.10	11.31	10.57	9.98	9.52	9.29	10.16	8.99	9.23	10.95	10.74	11.05
29	10.09	11.18	10.53	9.97	---	9.29	10.17	8.95	9.37	10.93	10.61	11.51
30	10.06	11.10	10.50	9.93	---	9.36	10.23	8.87	9.34	10.92	10.60	11.60
31	10.03	---	10.49	10.01	---	9.26	---	8.84	---	10.90	10.90	---
MEAN	10.29	10.64	10.73	10.28	9.52	9.40	9.76	9.09	8.72	9.87	10.87	11.08
MAX	11.14	14.00	11.05	10.53	10.15	9.59	10.81	10.14	9.37	10.99	11.14	12.89
MIN	10.03	9.72	10.49	9.93	8.45	9.26	8.47	8.84	7.95	9.03	10.60	10.53

CAL YR 1984 MEAN 10.32 MAX 14.00 MIN 8.35
WTR YR 1985 MEAN 10.02 MAX 14.00 MIN 7.95

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	GAGE HEIGHT (FEET ABOVE DATUM) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
15...	1230	24.0	26.0	--	1028	1028	64	10.22	454	--
NOV										
27...	1700	22.0	25.0	767	1028	1028	151	11.53	325	--
JAN										
09...	1145	19.0	21.0	757	1028	1028	71	10.46	450	9.8
FEB										
11...	1330	17.0	--	--	1028	1028	49	9.92	605	--
MAR										
05...	1430	25.0	28.5	763	1028	1028	40	9.49	630	--
APR										
17...	1330	25.0	26.0	759	1028	1028	95	10.81	605	--
MAY										
14...	1200	28.0	34.0	757	1028	1028	27	8.98	675	--
JUN										
11...	1000	29.5	28.0	761	1028	1028	23	8.66	695	--
JUL										
22...	1345	28.5	29.0	758	1028	1028	55	10.17	515	--
AUG										
12...	1300	28.0	30.0	755	1028	1028	110	10.94	380	--
SEP										
20...	1600	24.0	32.0	760	1028	1028	245	10.46	220	--

DATE	PH (STANDARD UNITS) (00400)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT										
15...	--	0.77	0.04	0.01	0.06	0.81	0.07	0.04	50	--
NOV										
27...	--	0.58	0.15	0.02	0.09	0.73	0.11	0.03	--	13
JAN										
09...	7.10	1.4	0.07	0.01	0.23	1.5	0.24	0.05	--	--
FEB										
11...	--	1.3	0.26	0.10	0.44	1.6	0.54	0.13	70	--
MAR										
05...	--	1.1	0.10	0.06	0.69	1.2	0.75	0.06	74	19
APR										
17...	7.80	--	--	--	--	--	--	--	62	--
MAY										
14...	7.50	--	--	--	--	--	--	--	--	--
JUN										
11...	--	1.3	0.12	0.01	0.07	1.4	0.08	0.08	84	10
JUL										
22...	--	0.82	0.09	0.01	0.07	0.91	0.08	0.03	48	13
AUG										
12...	--	0.79	0.07	0.01	0.04	0.86	0.05	0.07	--	7
SEP										
20...	--	--	--	--	--	--	--	--	17	28

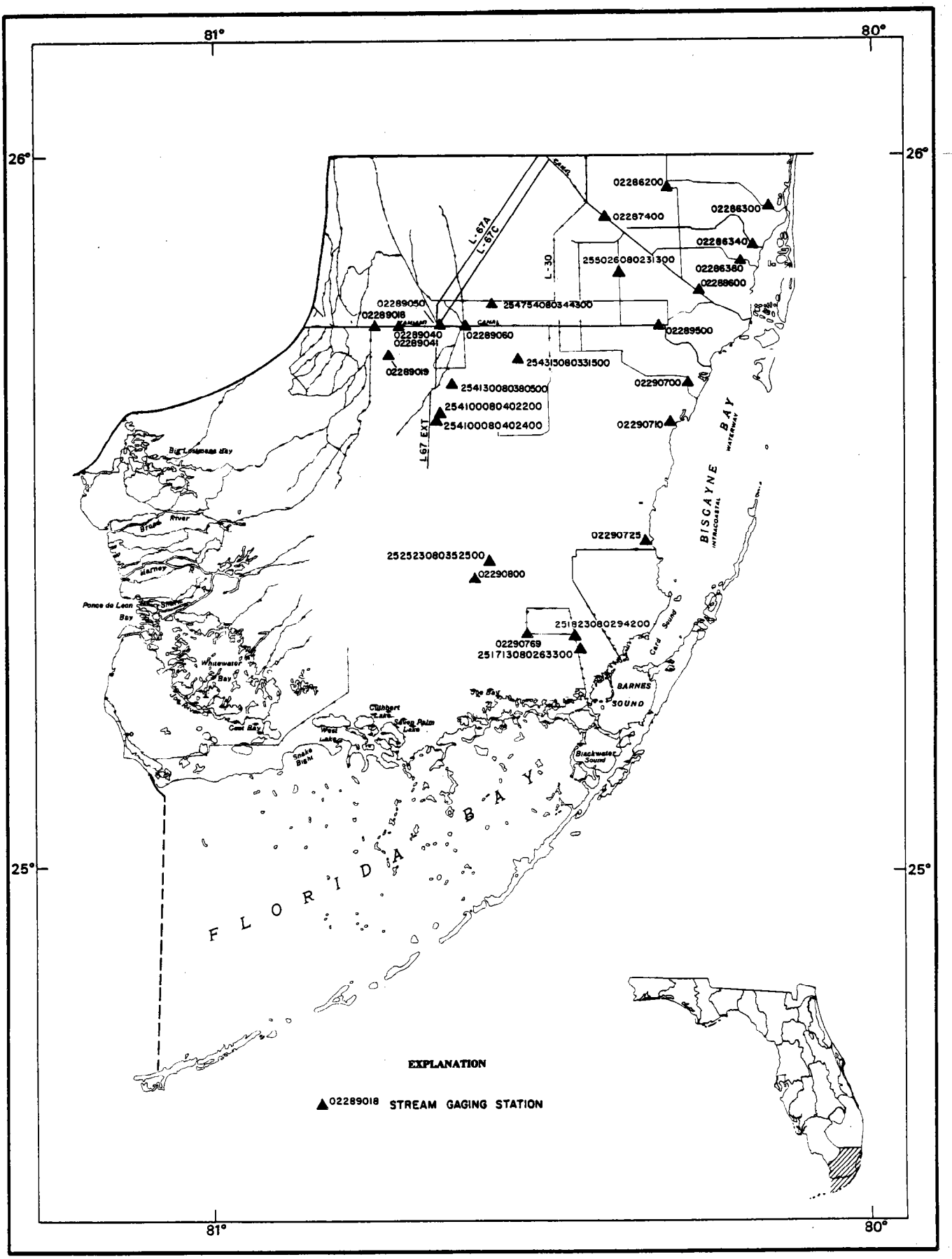


Figure 9. Location of gaging stations in the portion of the Everglades and southeastern coastal area south of latitude 26 degrees; Florida Bay and the Florida Keys

02278000 WEST PALM BEACH CANAL AT HGS-5, AT CANAL POINT, FL

LOCATION.--Lat 26°51'05", long 80°37'55", in NE¼ sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on right bank in hurricane gate structure 5 at Lake Okeechobee, 200 ft upstream from bridge on U.S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder and gate-opening indicator. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 14, 1954, nonrecording gage at site 550 ft downstream at same datum. Jan. 14, 1954, to Feb. 24, 1956, water-stage recorder, and Feb. 25, 1956, to Sept. 30, 1967, water-stage and deflection vane recorders all at present site and datum. Since May 1940, auxiliary water-stage recorder downstream from old lock and dam, 700 ft.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Flow regulated at station by operation of hurricane gates. Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades (negative figures indicate flow reversed). Discharge computed from relations between discharge, head, and gate openings at hurricane gate structure 5.

COOPERATION.--Gate record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--45 years (1940-85), 157 ft^3/s, 113,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,610 ft^3/s Oct. 2, 1959; maximum gage height, 18.99 ft Mar. 10, 1983; maximum daily reverse flow, 1,760 ft^3/s June 15, 1942; minimum gage height observed, 8.48 ft June 15-17, 1952, at former site.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,080 ft^3/s June 12; maximum gage height, 16.43 ft Oct. 1; no flow for many days; minimum gage height, 11.00 ft June 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	142	109	.00	575	.00	.00	.00
2	.00	.00	.00	.00	.00	144	112	.00	539	.00	.00	.00
3	.00	.00	.00	.00	.00	135	105	.00	606	.00	.00	.00
4	.00	.00	.00	.00	.00	131	117	.00	778	.00	.00	.00
5	.00	124	.00	.00	.00	130	120	.00	843	.00	.00	.00
6	.00	e216	.00	.00	.00	124	123	205	854	.00	.00	.00
7	.00	e209	82	.00	.00	115	119	370	873	.00	.00	.00
8	.00	e210	203	.00	.00	125	81	595	835	.00	.00	.00
9	.00	e214	204	.00	.00	131	.00	723	753	.00	.00	.00
10	88	e216	98	.00	.00	129	79	442	678	.00	.00	.00
11	240	e212	109	.00	.00	123	114	.00	507	.00	.00	.00
12	238	e208	114	.00	.00	122	56	.00	1080	.00	.00	.00
13	229	e202	.00	.00	58	116	.00	297	709	.00	.00	.00
14	217	e198	.00	.00	176	116	.00	634	.00	.00	.00	.00
15	218	e201	.00	.00	172	120	.00	689	.00	.00	.00	.00
16	222	e206	.00	.00	154	119	.00	668	.00	.00	.00	.00
17	224	e207	.00	.00	146	53	.00	696	255	.00	.00	.00
18	224	e204	.00	.00	153	.00	.00	633	380	.00	.00	.00
19	224	e204	.00	.00	158	.00	.00	565	463	.00	.00	.00
20	221	e196	.00	.00	152	.00	.00	382	116	.00	.00	.00
21	215	e70	.00	116	150	.00	.00	.00	.00	.00	.00	.00
22	213	.00	.00	197	145	.00	.00	403	.00	.00	.00	.00
23	209	.00	.00	65	145	.00	.00	623	.00	.00	.00	.00
24	75	.00	.00	.00	146	.00	.00	195	.00	.00	.00	.00
25	.00	.00	.00	.00	147	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	145	.00	e185	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	143	.00	e321	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	139	.00	e335	160	.00	.00	.00	.00
29	129	.00	.00	.00	---	51	e324	389	.00	.00	.00	.00
30	199	.00	.00	.00	---	105	e104	602	.00	.00	.00	.00
31	75	---	.00	.00	---	100	---	608	---	.00	.00	---
TOTAL	3460.00	3297.00	810.00	378.00	2329.00	2331.00	2404.00	9879.00	10844.00	.00	.00	.00
MEAN	112	110	26.1	12.2	83.2	75.2	80.1	319	361	.000	.000	.000
MAX	240	216	204	197	176	144	335	723	1080	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	6860	6540	1610	750	4620	4620	4770	19590	21510	.00	.00	.00

CAL YR 1984 TOTAL 28135.00 MEAN 76.9 MAX 565 MIN .00 AC-FT 55810
WTR YR 1985 TOTAL 35732.00 MEAN 97.9 MAX 1080 MIN .00 AC-FT 70870

e Estimated

02278000 WEST PALM BEACH CANAL AT HGS-5, AT CANAL POINT, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.30	15.67	e15.52	15.07	14.53	13.98	13.43	e13.00	12.45	11.94	12.55	12.88
2	16.29	15.71	e15.56	15.09	14.56	14.01	13.47	13.00	12.42	11.95	12.55	13.06
3	16.25	15.67	e15.56	15.08	14.55	13.92	13.46	13.05	12.32	11.93	12.56	13.09
4	16.21	15.71	e15.49	15.35	14.53	13.82	13.30	13.04	12.23	11.93	12.58	13.14
5	16.19	15.79	15.49	15.30	14.52	13.85	13.22	12.90	12.18	11.89	12.53	13.17
6	16.17	e15.76	15.66	15.13	14.52	13.83	13.27	12.89	12.12	11.88	12.54	13.27
7	16.18	e15.60	15.64	15.09	14.50	13.63	13.26	12.86	12.06	11.87	12.58	13.29
8	16.17	e15.58	15.50	15.05	14.60	13.69	13.24	12.81	12.01	11.91	12.56	13.33
9	16.17	e15.58	15.43	15.04	14.45	13.70	13.25	12.75	11.95	11.94	12.59	13.37
10	16.18	e15.58	15.42	14.99	14.36	13.69	13.09	12.77	11.88	11.87	12.64	13.40
11	16.18	e15.63	15.41	15.00	14.35	13.64	12.99	12.84	11.79	11.84	12.63	13.43
12	16.14	e15.60	15.39	15.09	14.83	13.62	13.01	12.81	11.87	11.83	12.63	13.45
13	16.11	e15.48	15.36	14.99	14.54	13.60	13.17	12.75	12.07	11.85	12.63	13.44
14	16.07	e15.43	15.35	14.91	14.36	13.55	13.21	12.71	12.03	11.89	12.65	13.38
15	16.05	e15.43	15.34	14.92	14.33	13.55	e13.19	12.68	11.76	11.91	12.67	13.41
16	16.02	e15.42	15.34	14.86	14.26	13.57	e13.35	12.64	11.82	11.97	12.71	13.44
17	16.00	e15.40	15.33	14.81	14.22	13.75	e13.40	12.84	11.81	12.00	12.73	13.48
18	15.96	e15.37	15.32	14.86	14.21	13.81	e13.35	12.75	11.81	12.01	12.77	13.66
19	15.92	e15.38	15.31	14.86	14.20	13.51	e13.32	12.54	11.78	12.07	12.76	13.84
20	15.88	e15.34	15.30	14.89	14.18	13.38	e13.33	12.57	11.79	12.12	12.77	14.03
21	15.89	e15.30	15.27	15.06	14.11	13.30	e13.35	12.77	11.77	12.17	12.81	14.14
22	15.87	e15.33	15.27	14.94	14.06	13.61	e13.18	12.72	11.77	12.18	12.85	14.20
23	15.82	e15.78	15.27	14.75	14.07	13.65	e13.15	12.76	11.83	12.16	12.86	14.24
24	15.82	e15.58	15.23	14.68	14.05	13.63	e13.12	12.84	11.82	12.33	12.84	14.25
25	15.81	e15.54	15.22	14.68	14.07	13.61	e13.15	13.00	11.79	12.36	12.85	14.30
26	15.80	e15.52	15.19	14.73	14.06	13.48	e13.08	12.88	11.82	12.38	12.83	14.39
27	15.78	e15.52	15.16	14.67	14.04	13.44	e13.03	12.75	11.89	12.43	12.84	14.33
28	15.77	e15.56	15.15	14.65	14.03	13.45	e13.07	12.67	11.97	12.47	12.79	14.28
29	15.76	e15.55	15.14	14.65	---	13.42	e13.00	12.61	11.97	12.49	12.87	14.28
30	15.73	e15.55	15.14	14.57	---	13.36	e13.13	12.55	11.87	12.51	12.94	14.29
31	15.70	---	15.09	14.56	---	13.39	---	12.49	---	12.55	12.88	---
MEAN	16.01	15.55	15.35	14.91	14.32	13.63	13.22	12.78	11.96	12.08	12.71	13.68
MAX	16.30	15.79	15.66	15.35	14.83	14.01	13.47	13.05	12.45	12.55	12.94	14.39
MIN	15.70	15.30	15.09	14.56	14.03	13.30	12.99	12.49	11.76	11.83	12.53	12.88

CAL YR 1984 MEAN 15.99 MAX 17.17 MIN 15.09
WTR YR 1985 MEAN 13.85 MAX 16.30 MIN 11.76

e Estimated

02278002 WEST PALM BEACH CANAL BELOW HGS-5, AT CANAL POINT, FL

LOCATION.--Lat 26°51'45", long 80°37'50", in NE¼ sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, at northwest corner of old lock (in center), 500 ft downstream from bridge on U.S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1940 to current year (gage heights). Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 30, 1940 nonrecording gage at same site at datum 1.21 ft lower.

REMARKS.--Water level materially affected by operation of hurricane gate structure No. 5, 700 ft upstream and pumping at structure 5-A, 20 mi downstream, and to lesser degree by local pumping and drainage for agricultural purposes.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.70 ft Oct. 12, 1947; minimum 6.90 ft observed, Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.20 ft Sept. 19, 20; minimum 8.38 ft Aug. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.05	11.68	10.20	11.82	11.76	11.48	11.79	11.52	11.73	11.08	10.17	11.99
2	9.75	11.68	11.12	11.86	11.69	11.44	11.76	11.41	11.78	10.06	9.46	11.69
3	10.53	11.92	11.21	11.68	11.62	11.62	11.94	11.33	11.83	9.68	9.92	11.40
4	10.45	10.88	10.05	10.70	11.64	11.64	11.35	10.74	11.88	9.35	10.23	9.72
5	10.28	10.34	10.42	10.48	11.64	11.68	11.18	10.30	11.98	9.83	10.52	11.20
6	10.55	11.38	11.39	10.61	11.69	11.87	11.11	10.63	11.92	11.32	11.31	12.40
7	10.78	11.43	11.40	10.62	11.60	11.88	11.26	11.47	11.85	11.48	11.51	11.08
8	10.91	11.34	11.48	11.46	11.56	11.63	11.27	11.74	11.80	11.26	11.64	9.02
9	11.20	11.18	11.33	11.70	11.68	11.47	10.72	12.06	11.79	11.57	9.84	10.82
10	11.03	11.12	11.15	11.73	11.69	11.51	10.68	11.92	11.74	11.40	10.19	10.28
11	11.13	11.35	11.19	11.36	11.68	11.66	11.05	10.70	11.71	11.19	9.77	10.05
12	11.11	11.45	11.79	10.81	11.53	11.65	10.83	10.44	11.69	11.73	11.85	11.13
13	11.43	11.49	11.56	11.07	11.15	11.81	10.80	10.56	11.17	11.57	10.39	10.55
14	11.87	11.56	11.20	11.73	10.74	11.76	11.61	11.36	10.38	9.62	11.04	10.68
15	11.78	11.45	11.21	11.85	10.87	11.61	12.43	11.69	9.93	9.41	11.16	10.66
16	11.58	11.25	11.46	11.42	11.46	11.69	12.60	11.70	10.47	9.55	11.27	10.83
17	11.48	11.18	11.38	11.26	11.68	12.49	9.89	11.86	11.00	8.87	11.37	8.66
18	11.41	11.22	11.38	11.18	11.41	11.83	9.60	11.92	11.46	8.91	11.42	10.97
19	11.32	11.25	11.40	11.16	11.22	10.93	11.14	11.86	11.44	9.99	11.29	13.77
20	11.37	11.49	11.33	11.04	11.40	11.59	11.54	11.67	11.97	10.61	11.51	14.00
21	11.66	11.56	11.35	11.01	11.38	11.67	11.34	11.69	11.42	9.49	11.40	13.25
22	11.72	11.37	11.48	10.80	11.48	10.55	10.89	11.69	10.28	10.21	11.32	11.34
23	11.77	13.24	11.66	12.14	11.50	9.20	10.54	11.97	11.27	10.17	9.77	10.76
24	11.86	13.27	11.86	12.47	11.44	9.65	11.42	11.45	10.78	8.91	10.88	10.92
25	11.65	10.78	11.95	11.60	11.41	9.79	11.66	11.07	10.07	9.35	11.22	9.32
26	11.70	9.70	12.02	11.12	11.49	10.02	11.67	9.24	10.70	10.45	11.76	10.91
27	11.54	11.11	11.76	11.06	11.51	10.45	11.88	10.17	11.38	10.06	10.93	11.36
28	10.96	11.85	11.46	11.24	11.64	10.83	11.83	10.44	10.16	9.53	10.67	11.27
29	11.05	10.89	11.58	11.36	---	11.15	11.82	11.48	10.66	9.14	9.15	11.10
30	12.02	9.95	11.64	11.67	---	11.81	12.17	11.57	11.26	9.55	10.27	11.00
31	11.84	---	11.69	11.86	---	12.01	---	11.70	---	10.01	10.80	---
MEAN	11.25	11.35	11.36	11.35	11.48	11.30	11.33	11.27	11.25	10.17	10.78	11.07
MAX	12.02	13.27	12.02	12.47	11.76	12.49	12.60	12.06	11.98	11.73	11.85	14.00
MIN	9.75	9.70	10.05	10.48	10.74	9.20	9.60	9.24	9.93	8.87	9.15	8.66

CAL YR 1984 MEAN 11.30 MAX 14.22 MIN 9.27
WTR YR 1985 MEAN 11.16 MAX 14.00 MIN 8.66

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

LOCATION.--Lat 26°55'01", long 80°36'49", in SE¼ sec.10, T.41S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on west side of U.S. Highway 441 bridge, 3.6 mi northeast of Canal Point, and 4.8 mi south of Port Mayaca.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to current year.

GAGE.--Water-stage recorder and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated by gated structure at Lake Okeechobee. Flow reverses during and after periods of heavy rainfall because of pumpage into the canal from agricultural lands in the Everglades (negative figures indicate flow towards Lake Okeechobee). Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter.

AVERAGE DISCHARGE.--9 years, 5.57 ft^3/s, 4,040 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 766 ft^3/s Apr. 25, 1983; maximum gage height, 17.55 ft Oct. 5, 1983; maximum daily reverse flow, 1130 ft^3/s Sept. 21, 1985; no flow for many days each year; minimum gage height, 8.80 ft Nov. 1, 4, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 412 ft^3/s Nov. 1; maximum gage height, 16.65 ft Oct. 1; maximum daily reverse flow, 1,130 ft^3/s Sept. 21; no flow for many days; minimum gage height, 10.20 ft May 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-388	412	-30	289	311	339	246	83	50	-93	-285	-89
2	-31	385	-92	330	326	351	239	-1.1	51	-86	-203	-80
3	-52	326	-63	293	333	287	160	e-3.1	161	-30	-299	-210
4	-50	55	-15	123	329	312	120	e-6.3	199	-4.2	-210	-204
5	-3.8	.00	-8.1	-23	316	319	246	-2.4	133	.00	-108	-267
6	.00	.00	1.6	13	319	301	329	.00	136	.00	-51	-399
7	.00	.00	1.0	96	325	250	249	-2.6	138	.00	-40	-441
8	-6.8	.00	-2.3	190	233	295	244	-3.0	150	-8.0	-34	-265
9	.00	e87	-10	194	233	290	204	35	115	-87	-36	-170
10	.00	e160	-12	325	308	278	209	183	118	-151	-42	-134
11	.00	e300	133	348	271	280	192	151	129	-3.5	-48	-59
12	.00	e300	286	86	79	290	193	189	98	-35	-61	-78
13	-2.4	e300	258	88	33	230	125	221	117	-99	-108	-88
14	-1.9	e300	200	127	42	255	46	226	41	-18	-108	-72
15	-1.7	e300	202	147	44	245	-303	213	.00	-5.8	-71	-109
16	.00	363	307	108	62	220	-586	185	-2.1	1.4	-66	-52
17	.00	276	347	81	61	234	-487	236	61	5.6	-56	1.1
18	.00	389	358	31	41	117	-374	163	92	.00	-167	-151
19	.00	384	364	.00	30	56	-172	125	116	-54	-359	-337
20	.00	391	371	116	28	19	-147	137	57	-121	-183	-411
21	.00	166	367	241	113	4.9	-115	70	-97	-122	-110	-1130
22	53	6.5	358	123	236	9.1	-109	85	-11	-171	-96	-827
23	208	.00	348	6.5	239	-79	-96	52	15	-158	-126	-770
24	151	.00	339	-9.5	256	36	-96	88	-1.9	-71	-113	-651
25	111	.00	321	.00	266	59	-93	37	-9.7	-83	-102	-623
26	70	-6.9	309	.00	316	139	-46	-8.9	-5.2	-104	-63	-593
27	.00	-27	199	.00	370	223	161	9.1	-7.9	-107	-46	-465
28	2.0	-45	220	211	322	200	152	11	-10	-132	-114	-484
29	240	-37	247	373	---	234	153	17	-5.9	-52	-112	-490
30	400	-41	296	313	---	201	119	79	-16	-214	-60	-523
31	403	---	288	323	---	219	---	65	---	-284	-67	---
TOTAL	1100.40	4743.60	5888.2	4543.00	5842	6214.0	763	2632.70	1810.30	-2286.50	-3544	-10170.9
MEAN	35.5	158	190	147	209	200	25.4	84.9	60.3	-73.8	-114	-339
MAX	403	412	371	373	370	351	329	236	199	5.6	-34	1.1
MIN	-388	-45	-92	-23	28	-79	-586	-8.9	-97	-284	-359	-1130
AC-FT	2180	9410	11680	9010	11590	12330	1510	5220	3590	-4540	-7030	-20170

CAL YR 1984 TOTAL 16787.30 MEAN 45.9 MAX 500 MIN -981 AC-FT 33300
WTR YR 1985 TOTAL 17535.80 MEAN 48.0 MAX 412 MIN -1130 AC-FT 34780

e Estimated

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.59	14.72	15.16	14.45	13.95	14.02	13.49	12.93	12.37	12.18	13.04	12.96
2	16.36	14.74	15.65	14.46	13.93	14.04	13.49	12.10	12.35	12.14	13.01	13.09
3	16.36	14.67	15.41	14.69	13.91	13.93	13.49	e11.39	12.30	12.11	12.94	13.29
4	16.30	14.33	14.86	15.05	13.95	13.86	13.38	e10.89	12.17	12.03	12.95	13.38
5	15.74	13.67	14.25	15.30	13.93	13.88	13.29	10.60	12.10	11.69	12.93	13.47
6	14.79	11.62	12.87	15.18	13.99	13.85	13.31	10.40	12.05	11.75	12.93	13.70
7	14.36	11.28	12.09	15.02	13.94	13.63	13.31	11.15	11.98	11.90	12.93	13.72
8	14.60	11.20	12.32	14.51	13.90	13.71	13.28	10.92	11.94	11.79	12.89	13.66
9	13.64	11.59	13.24	14.39	13.86	13.73	13.22	11.21	11.95	12.16	12.95	13.66
10	13.00	14.18	13.64	14.35	13.82	13.73	13.00	12.64	11.91	12.12	13.05	13.64
11	12.17	14.62	13.46	14.25	13.94	13.69	13.02	12.83	11.83	11.52	13.04	13.62
12	11.83	14.69	14.59	14.17	14.21	13.67	13.03	12.78	11.81	11.68	13.12	13.65
13	12.25	14.55	14.88	14.20	13.93	13.64	13.22	12.74	11.88	12.06	13.14	13.63
14	12.58	14.55	15.16	14.30	13.68	13.60	13.09	12.71	11.63	12.01	13.08	13.47
15	12.29	14.42	15.07	14.32	13.75	13.59	13.38	12.69	11.21	11.99	13.07	13.56
16	11.91	14.44	14.79	14.49	13.75	13.63	13.58	12.65	11.47	11.95	13.10	13.48
17	11.79	14.50	14.71	14.64	13.79	13.83	13.51	12.82	11.52	11.87	13.12	12.72
18	11.73	14.51	14.68	14.76	13.95	13.76	13.38	12.71	11.76	11.86	13.15	13.29
19	11.63	14.50	14.61	14.86	14.04	13.56	13.36	12.53	11.82	12.21	13.13	14.36
20	11.61	14.50	14.59	14.65	14.06	13.46	13.34	12.44	11.89	12.37	12.99	14.78
21	11.93	14.21	14.60	14.12	13.98	13.40	13.28	12.51	11.87	12.44	12.97	14.91
22	12.86	12.78	14.60	14.11	13.73	13.71	13.23	12.49	11.86	12.50	12.98	14.88
23	14.61	13.24	14.64	14.72	13.70	13.75	13.24	12.49	11.91	12.45	12.99	14.86
24	14.69	14.69	14.67	14.74	13.70	13.72	13.26	12.51	11.90	12.56	12.97	14.80
25	14.74	14.67	14.68	14.18	13.68	13.69	13.24	12.62	11.80	12.57	12.99	14.79
26	14.34	15.16	14.69	13.06	13.79	13.54	13.21	12.52	11.03	12.60	12.91	14.84
27	13.30	15.48	14.94	12.68	14.04	13.50	13.15	12.48	11.05	12.66	12.85	14.77
28	12.95	15.33	14.87	12.49	14.05	13.52	13.19	12.47	11.25	12.71	12.90	14.70
29	13.43	15.32	14.63	13.94	---	13.48	13.16	12.44	11.33	12.63	12.98	14.71
30	14.73	15.08	14.57	13.96	---	13.44	13.05	12.35	11.73	12.82	13.01	14.73
31	14.74	---	14.52	13.97	---	13.46	---	12.38	---	13.04	12.98	---
MEAN	13.67	14.11	14.43	14.32	13.89	13.68	13.27	12.21	11.79	12.21	13.00	13.97
MAX	16.59	15.48	15.65	15.30	14.21	14.04	13.58	12.93	12.37	13.04	13.15	14.91
MIN	11.61	11.20	12.09	12.49	13.68	13.40	13.00	10.40	11.03	11.52	12.85	12.72

CAL YR 1984 MEAN 13.12 MAX 16.65 MIN 10.33
WTR YR 1985 MEAN 13.38 MAX 16.59 MIN 10.40

e Estimated

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°22'15", in SW¼ sec.32, T.43 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, near south bank, 500 ft upstream from pump station S-5A, 0.3 mi upstream from Levee 8 Canal, 1.1 mi downstream from bridge on U.S. Highway 441 and Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Dual water-stage recorder, gate-opening indicator, and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, deflection vane recorder at same site and auxiliary water stage recorder at control structure 5A-W, 0.3 mi downstream. Prior to October 1981, all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated primarily by pumpage at S-5A and to a lesser extent by operation of control structure 5A-W. Major regulation above the station occurs in Cross Canal, 1.5 mi upstream, and at hurricane gate structure 5 at Lake Okeechobee, 20 mi upstream. Discharge is the difference between pumpage at S-5A and gate discharge at S-5A-W. Negative figures indicate flow to the west. See records on Diversions to Conservation Area No. 1 at S-5A, near Loxahatchee (station 02278500; pump station S-5A, upper), for table of daily gage height.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--28 years, 412 ft^3/s, 298,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,230 ft^3/s Mar. 27, 1970; maximum gage height, 14.26 ft present datum, Oct. 3, 1957; maximum daily reverse flow, 954 ft^3/s June 7, 1984; minimum gage height, 6.86 ft Oct. 28, 1981.

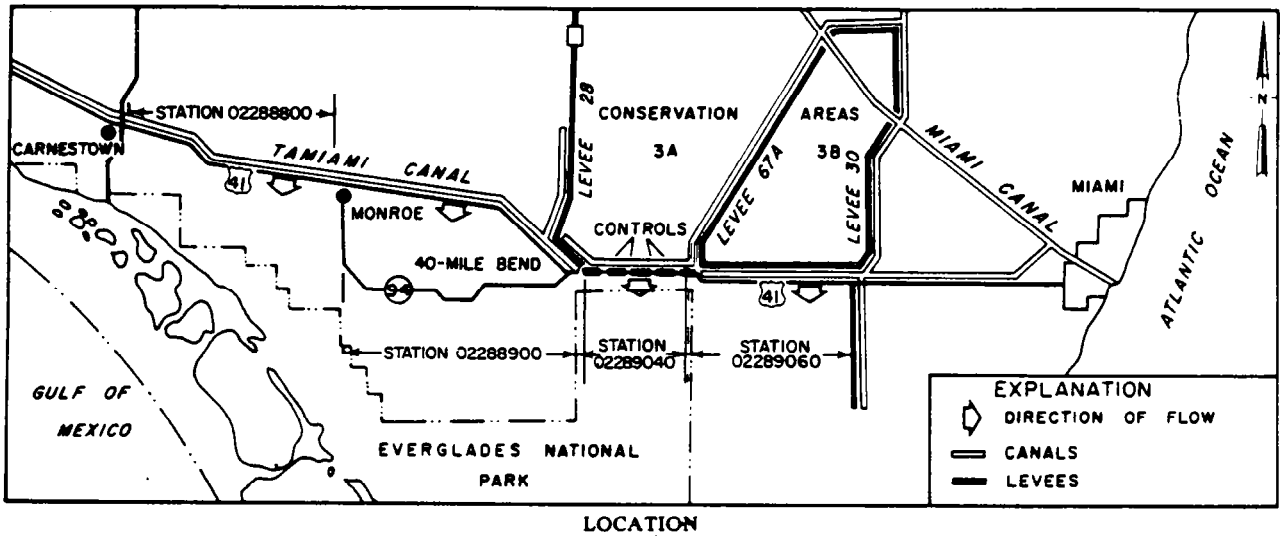
EXTREMEMS FOR CURRENT YEAR.--Maximum daily dixcharge, 4,130 ft^3/s Sept. 20; maximum gage height, 13.43 ft Mar. 17; maximum daily reverse flow, 740 ft^3/s Jan. 22; minimum gage height, 8.44 ft Nov. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

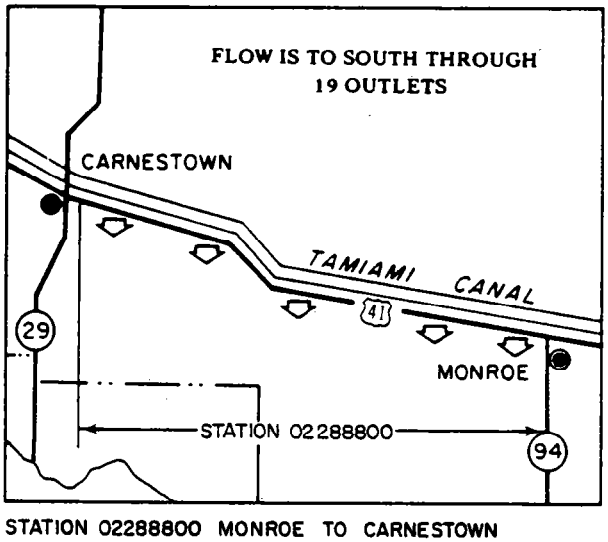
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2560	-398	.00	-228	-217	-132	-195	.00	-338	1740	526	1040
2	1110	-422	-69	-141	-232	-128	-59	.00	-334	1630	.00	.00
3	590	-284	-420	.00	-253	-130	.00	143	-92	2020	.00	2030
4	590	781	-386	914	-207	-136	-182	172	-44	1230	.00	555
5	374	-383	-471	.00	-173	-193	-267	117	-57	250	.00	1670
6	.00	-170	-343	.00	-204	-216	-232	-202	-76	97	.00	3960
7	.00	-107	-375	-199	-230	-129	-209	-264	-97	29	.00	2960
8	.00	-88	-212	-265	-189	-100	-123	173	-85	-262	1660	980
9	.00	-92	.00	-290	-206	-118	-184	202	-72	-394	410	902
10	-194	-248	-99	-252	-234	-124	-368	72	-78	-191	1060	1190
11	-267	-334	-321	-292	-131	-106	-253	-120	-90	26	.00	.00
12	-388	-351	-236	-349	-150	-146	.00	-154	-90	696	1610	.00
13	-566	-319	.00	-608	-270	-120	.00	-87	-45	2780	521	859
14	-533	-302	-71	-501	-202	.00	658	-4.7	1970	1380	.00	.00
15	-395	-282	-339	-132	-187	.00	2430	29	.00	1640	.00	1290
16	-366	-303	-350	.00	-174	.00	3730	92	.00	1720	.00	1890
17	-335	-306	-332	.00	-83	606	2200	28	13	753	.00	1340
18	-305	-303	-317	.00	.00	1980	501	-6.3	-89	739	.00	2210
19	-318	-299	-292	.00	.00	202	.00	63	-82	1510	.00	3480
20	-289	-284	-292	-362	.00	.00	.00	-97	1630	1930	.00	4130
21	-287	974	-288	-374	-83	1150	.00	-311	1600	1720	962	4010
22	-284	-54	-289	-740	-98	1830	-58	-136	801	1800	2150	2780
23	-348	3670	-306	-214	-92	121	-663	61	.00	2450	1500	298
24	-347	4010	-322	.00	-358	.00	-699	1730	897	1100	816	1650
25	-370	2620	-318	709	-517	.00	-383	217	1180	612	.00	280
26	-210	693	-102	.00	-189	-94	-299	.00	-143	657	.00	.00
27	.00	636	-51	-255	-208	-172	-150	.00	2010	669	1010	.00
28	.00	678	-193	-215	-159	-283	-150	-570	706	520	1680	.00
29	-465	754	-254	-296	---	-394	-106	-568	-70	267	1330	727
30	-619	608	-233	-273	---	-432	-69	-381	-78	-30	689	.00
31	-428	---	-225	-217	---	-259	---	-359	---	.00	.00	---
TOTAL	-2090.00	10095	-7506.00	-4580.00	-5046.00	2477.00	4870.00	-161.00	8847.00	29088.00	15924.00	40231.00
MEAN	-67.4	337	-242	-148	-180	79.9	162	-5.19	295	938	514	1341
MAX	2560	4010	.00	914	.00	1980	3730	1730	2010	2780	2150	4130
MIN	-619	-422	-471	-740	-517	-432	-699	-570	-338	-394	.00	.00
AC-FT	-4150	20020	-14890	-9080	-10010	4910	9660	-319	17550	57700	31590	79800

CAL YR 1984	TOTAL	91818.80	MEAN 251	MAX 4750	MIN -954	AC-FT 182100
WTR YR 1985	TOTAL	92149.00	MEAN 252	MAX 4130	MIN -740	AC-FT 182800

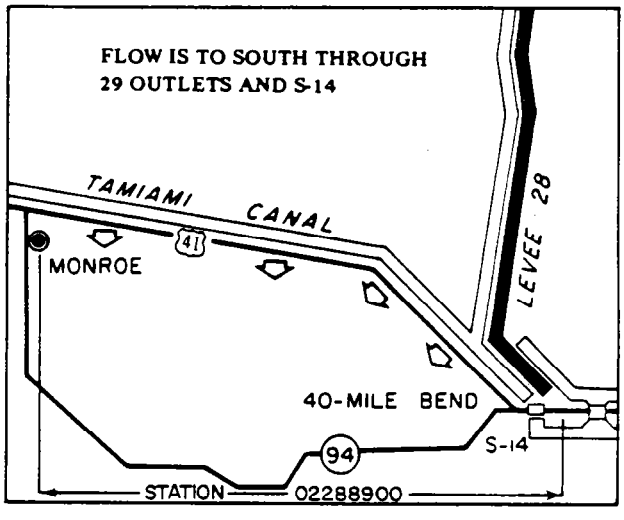
TAMIAMI CANAL OUTLETS



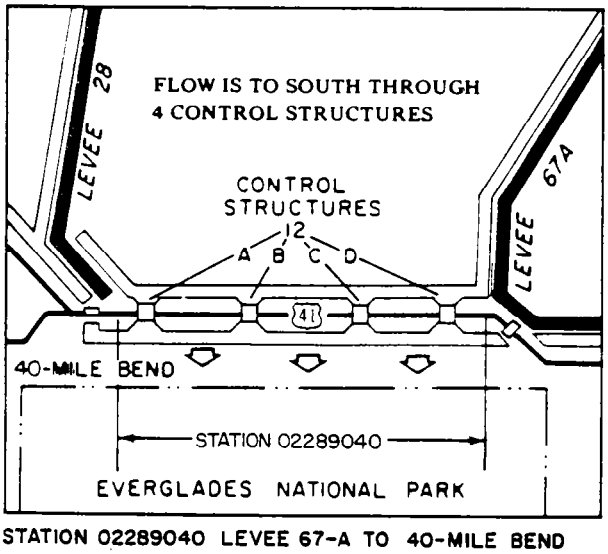
LOCATION



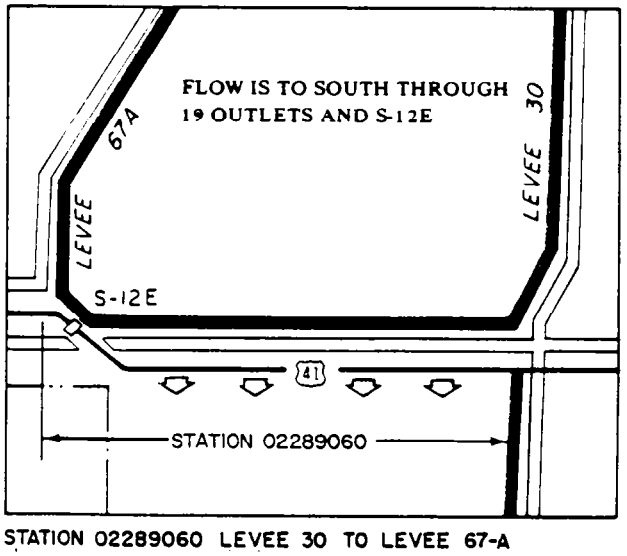
STATION 02288800 MONROE TO CARNESTOWN



STATION 02288900 40-MILE BEND TO MONROE



STATION 02289040 LEVEE 67-A TO 40-MILE BEND



STATION 02289060 LEVEE 30 TO LEVEE 67-A

Figure 10. Tamiami Canal Outlets.

02278500 DIVERSIONS TO CONSERVATION AREA NO. 1 AT S-5A-S, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in S½ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Dual water-stage recorder, gate-opening indicator, and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, auxiliary deflection vane recorders 500 ft upstream and in Levee 8 Canal, and auxiliary water-stage recorders upstream from S-5A-W and downstream from S-5A-E. Prior to October 1981, all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Normal flow is considered as that to the south into Conservation Area No. 1. Flow is controlled by S-5A pumpage, syphoning and regulation of Cross Canal, 1.5 mi upstream, and hurricane gate structure 5, 20 mi upstream. Negative figures indicate releases from gate S-5A-S.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Mangement District.

AVERAGE DISCHARGE.--28 years, 379 ft^3/s; 274,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,040 ft^3/s Mar. 28, 1970; maximum gage height, 14.26 ft present datum, Oct. 3, 1957: maximum daily reverse flow, 2,220 ft^3/s Apr. 27, 1982; no flow for many days each year; minimum gage height, 8.86 ft Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5,540 ft^3/s Sept. 21; maximum gage height, 13.43 ft Mar. 17; maximum daily reverse flow, 818 ft^3/s Jan. 22, no flow for many days during the year; minimum gage height, 8.44 ft Nov. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	.00	.00	.00	.00	.00	.00	.00	-188	1900	221	1040
2	1620	.00	.00	.00	.00	.00	.00	.00	-180	1850	-342	.00
3	590	.00	.00	.00	.00	.00	.00	.00	-59	2360	-361	2030
4	748	781	.00	914	.00	.00	.00	.00	.00	1510	-284	555
5	697	.00	.00	.00	.00	.00	.00	.00	.00	258	-31	1670
6	.00	.00	.00	.00	.00	.00	.00	-470	.00	.00	.00	3960
7	.00	.00	-374	.00	.00	.00	.00	-441	.00	.00	.00	2960
8	.00	.00	-290	.00	.00	.00	.00	.00	.00	.00	1660	980
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	-418	312	902
10	.00	.00	.00	.00	.00	.00	-253	.00	.00	-204	1110	1190
11	.00	.00	.00	.00	.00	.00	-129	.00	.00	-157	-134	.00
12	-344	.00	.00	-116	.00	.00	.00	.00	.00	626	1620	.00
13	-502	.00	.00	-479	.00	.00	.00	.00	.00	3110	605	859
14	-449	.00	.00	-157	.00	.00	658	.00	1590	1650	3.1	.00
15	-253	.00	.00	.00	.00	.00	3340	.00	.00	1980	-82	1290
16	-261	.00	.00	.00	.00	.00	5430	.00	.00	2230	.30	2550
17	-265	.00	.00	.00	.00	606	3730	.00	.00	1280	-121	2120
18	-267	.00	.00	.00	.00	1980	1550	.00	.00	1180	-95	3030
19	-269	.00	.00	.00	.00	202	934	.00	.00	2080	-102	4170
20	-269	.00	.00	.00	.00	.00	905	.00	1650	2670	.00	4570
21	-260	1350	.00	.00	.00	1150	849	.00	1600	2430	962	5540
22	-88	274	.00	-818	.00	1830	863	.00	801	2360	2150	4010
23	.00	4050	.00	-141	.00	121	-82	.00	.00	3200	1500	1260
24	.00	4520	.00	.00	.00	.00	209	1740	897	1890	816	3050
25	.00	3570	.00	967	.00	.00	662	217	894	831	.00	1530
26	.00	897	.00	.00	.00	.00	309	.00	.00	952	.00	933
27	.00	1000	.00	.00	.00	-140	.00	.00	1790	998	1010	1020
28	.00	1010	.00	.00	.00	-197	.00	-567	748	853	1680	862
29	-340	1170	.00	.00	---	-297	.00	-417	.00	561	1330	1770
30	-210	1000	.00	.00	---	-324	.00	-198	.00	-359	689	1190
31	.00	---	.00	.00	---	-66	---	-195	---	-199	.00	---
TOTAL	3428.00	19622.00	-664.00	170.00	.00	4865.00	18975.00	-331.00	9543.00	37422.00	14116.40	55041.00
MEAN	111	654	-21.4	5.48	.000	157	633	-10.7	318	1207	455	1835
MAX	3550	4520	.00	967	.00	1980	5430	1740	1790	3200	2150	5540
MIN	-502	.00	-374	-818	.00	-324	-253	-567	-188	-418	-361	.00
AC-FT	6800	38920	-1320	337	.00	9650	37640	-657	18930	74230	28000	109200

CAL YR 1984	TOTAL	92750.00	MEAN 253	MAX 4890	MIN -1050	AC-FT	184000
WTR YR 1985	TOTAL	162187.40	MEAN 444	MAX 5540	MIN -818	AC-FT	321700

02278500 DIVERSIONS TO CONSERVATION AREA NO. 1 AT S-5A-S, NEAR LOXAHATCHEE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.32	11.99	10.45	12.06	11.94	11.68	12.06	11.80	11.55	10.43	10.11	11.05
2	9.38	12.00	11.39	12.11	11.97	11.72	12.03	11.70	11.65	9.67	9.74	11.95
3	10.39	12.18	10.80	11.94	11.93	11.83	12.22	11.53	11.56	9.35	10.19	10.46
4	10.49	10.83	10.03	10.68	11.94	11.79	11.53	11.04	11.17	9.20	10.52	9.76
5	10.45	10.61	10.76	10.88	11.90	11.92	11.31	10.55	11.49	10.08	10.87	10.66
6	10.82	11.60	11.77	10.94	11.99	12.13	11.37	10.78	11.33	11.58	11.59	9.35
7	11.06	11.64	11.72	11.01	11.93	12.06	11.52	11.41	11.15	11.73	11.80	8.87
8	11.21	11.55	11.60	11.81	11.93	11.84	11.56	11.20	11.01	11.69	10.70	9.13
9	11.50	11.37	11.40	12.02	11.96	11.71	11.07	11.15	11.07	11.95	9.95	10.55
10	11.33	11.31	11.37	12.06	11.94	11.78	10.92	11.43	10.96	11.75	9.57	10.06
11	11.37	11.58	11.43	11.70	11.90	11.90	11.22	11.00	10.84	11.55	9.98	10.30
12	11.41	11.74	11.96	11.29	12.01	11.91	11.01	10.77	10.85	11.58	10.04	11.39
13	11.76	11.73	11.81	11.50	11.57	12.07	11.01	10.49	11.09	9.30	9.88	10.42
14	12.12	11.78	11.49	12.07	11.04	12.00	11.45	10.71	10.67	9.14	11.25	10.98
15	12.02	11.63	11.51	12.17	11.04	11.86	11.00	11.06	11.33	9.42	11.44	10.47
16	11.79	11.43	11.75	11.71	11.73	11.90	10.13	11.11	11.50	9.23	11.51	10.14
17	11.70	11.38	11.68	11.55	11.91	12.31	9.20	11.26	11.27	9.10	11.64	8.83
18	11.63	11.38	11.68	11.52	11.63	10.67	9.79	11.51	11.30	9.15	11.71	9.39
19	11.50	11.42	11.70	11.50	11.46	11.18	11.41	11.51	11.18	9.34	11.58	11.62
20	11.55	11.70	11.64	11.53	11.65	11.78	11.82	11.54	11.46	9.09	11.80	10.78
21	11.84	10.69	11.67	11.47	11.55	11.13	11.61	12.00	11.77	9.02	11.29	9.50
22	11.90	11.32	11.77	11.24	11.60	9.45	11.13	11.69	11.88	9.15	10.45	8.77
23	11.98	10.69	11.95	12.35	11.62	9.43	11.06	11.74	11.95	9.02	9.67	10.88
24	12.13	9.65	12.12	12.75	11.58	9.95	11.78	11.48	12.08	9.13	10.78	10.38
25	11.96	8.95	12.21	11.72	11.61	10.10	11.95	10.44	11.05	9.58	11.49	9.66
26	11.96	9.74	12.27	11.51	11.70	10.28	11.82	9.56	10.93	10.39	12.03	11.28
27	11.76	11.10	12.02	11.38	11.77	10.66	11.92	10.45	10.36	10.11	11.69	11.68
28	11.21	11.52	11.75	11.56	11.91	11.09	11.89	10.75	9.55	9.61	10.41	11.58
29	11.26	10.77	11.86	11.73	---	11.38	11.87	11.55	10.93	9.32	9.05	11.00
30	12.22	10.01	11.93	11.90	---	11.99	11.67	11.35	11.46	9.83	10.29	11.23
31	12.12	---	11.95	12.07	---	12.26	---	11.42	---	10.29	11.04	---
MEAN	11.39	11.18	11.59	11.67	11.74	11.41	11.34	11.16	11.21	9.99	10.78	10.40
MAX	12.22	12.18	12.27	12.75	12.01	12.31	12.22	12.00	12.08	11.95	12.03	11.95
MIN	9.32	8.95	10.03	10.68	11.04	9.43	9.20	9.56	9.55	9.02	9.05	8.77

CAL YR 1984 MEAN 11.26 MAX 12.56 MIN 8.95
WTR YR 1985 MEAN 11.15 MAX 12.75 MIN 8.77

02278501 CONSERVATION AREA NO. 1 BELOW S-5 COMPLEX, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in S½ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at pump station S-5A, 1.5 mi downstream from Cross Canal, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1955 to current year (gage heights). Records of gage height prior to October 1962 are available from the files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench marks). Prior to October 1981 at datum 0.24 ft higher.

REMARKS.--Gage records water level in Conservation Area No. 1 at structure 5 complex. Stage is affected by pumping at S-5A and S-6 and the operation of gated-control structures in levees 39 and 40.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.54 ft present datum, Sept. 26, 1960; minimum, 8.26 ft present datum, Apr. 20, 24, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.67 ft Sept 21; minimum, 12.92 May 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.19	16.03	16.51	16.12	15.65	14.86	14.48	14.00	13.99	15.38	15.35	16.03
2	17.04	16.04	16.51	16.11	15.61	14.79	14.37	13.93	13.92	15.59	15.35	15.83
3	16.80	16.09	16.59	16.11	15.55	14.73	14.38	13.96	13.84	15.86	15.37	16.02
4	16.73	16.20	16.57	16.23	15.51	14.75	14.44	13.89	13.82	15.85	15.37	16.02
5	16.68	16.13	16.54	16.10	15.54	14.72	14.43	13.83	13.80	15.68	15.39	16.04
6	16.58	16.08	16.50	16.08	15.49	14.64	14.31	13.68	13.77	15.53	15.44	16.48
7	16.53	16.04	16.37	16.06	15.39	14.57	14.25	13.31	13.72	15.43	15.47	16.62
8	16.49	16.02	16.35	16.05	15.33	14.56	14.19	13.34	13.68	15.26	15.72	16.49
9	16.45	16.02	16.39	16.03	15.37	14.54	14.12	13.37	13.62	15.11	15.67	16.36
10	16.44	16.02	16.38	16.01	15.38	14.49	14.10	13.37	13.56	15.11	15.68	16.40
11	16.42	16.02	16.37	15.99	15.43	14.44	14.04	13.36	13.56	15.14	15.58	16.33
12	16.40	15.96	16.36	15.92	15.31	14.42	14.00	13.36	13.57	15.23	15.72	16.24
13	16.37	15.93	16.35	15.86	15.25	14.39	14.28	13.34	13.60	15.81	15.68	16.26
14	16.34	15.91	16.33	15.89	15.24	14.33	14.63	13.23	14.49	15.73	15.55	16.21
15	16.34	15.91	16.32	15.87	15.19	14.26	15.08	13.07	14.31	15.73	15.50	16.40
16	16.32	15.89	16.31	15.87	15.19	14.20	15.90	13.05	14.18	15.80	15.46	16.57
17	16.28	15.86	16.29	15.89	15.17	14.29	15.82	13.07	14.08	15.82	15.42	16.71
18	16.25	15.88	16.27	15.86	15.13	15.07	15.28	13.05	14.04	15.82	15.39	16.92
19	16.23	15.86	16.26	15.83	15.10	14.55	14.69	13.07	14.00	15.96	15.36	17.39
20	16.22	15.82	16.25	15.83	15.07	14.47	14.59	13.19	14.59	16.18	15.38	17.55
21	16.21	15.92	16.24	15.71	15.06	14.82	14.48	13.66	14.79	16.26	15.58	17.62
22	16.19	15.91	16.24	15.48	15.05	15.55	14.38	13.76	14.74	16.18	15.85	17.51
23	16.17	16.47	16.22	15.48	15.04	14.98	14.10	13.79	14.53	16.47	15.92	17.15
24	16.13	16.90	16.21	15.64	15.01	14.94	13.70	14.11	14.93	16.51	15.80	16.98
25	16.10	17.02	16.20	15.86	14.98	14.90	13.62	14.68	15.05	16.37	15.71	16.81
26	16.16	16.73	16.19	15.62	14.98	14.86	13.56	14.43	14.92	16.28	15.63	16.62
27	16.17	16.64	16.18	15.67	14.92	14.83	13.54	14.32	15.20	16.15	15.82	16.40
28	16.14	16.61	16.17	15.69	14.87	14.77	13.54	14.17	15.22	15.97	15.99	16.26
29	16.10	16.60	16.16	15.62	---	14.69	13.56	14.06	15.06	15.77	16.05	16.27
30	16.06	16.58	16.14	15.64	---	14.58	14.06	14.10	15.02	15.34	15.98	16.26
31	16.03	---	16.12	15.64	---	14.53	---	14.05	---	15.26	15.91	---
MEAN	16.37	16.17	16.32	15.86	15.24	14.66	14.33	13.66	14.25	15.76	15.62	16.56
MAX	17.19	17.02	16.59	16.23	15.65	15.55	15.90	14.68	15.22	16.51	16.05	17.62
MIN	16.03	15.82	16.12	15.48	14.87	14.20	13.54	13.05	13.56	15.11	15.35	15.83

CAL YR 1984 MEAN 15.45 MAX 17.39 MIN 11.05
WTR YR 1985 MEAN 15.40 MAX 17.62 MIN 13.05

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'35", in SE¼ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, at upstream side in center of span of bridge on U.S. Highway 441, 50 ft upstream from mouth and West Palm Beach Canal, 0.2 mi east of pump station S-5A, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-84-2A: 1982(m).

GAGE.--Water-stage recorder and gate-opening indicators. Datum of gage is National Geodetic Vertical Datum of 1929. (South Florida Water Management District bench mark). Prior to Sept. 30, 1967, deflection vane recorder at same site. Auxiliary water-stage recorders upstream from S-5A and downstream from S-5A-E, Prior to October 1981 all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by operation of S-5A-E, S-5A-S, S-5A-W just downstream and pumpage at S-5A. Gate operation and pumpage occasionally reverses the flow (negative figures indicate flow reversed). Discharge is summation of flows at S-5A-E, S-5A-S and S-5A-W. Discharge computed from relation between discharge, head, and gate openings.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--28 years, 145 ft^3/s, 105,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,190 ft^3/s Mar. 31, 1970; maximum gage height, 19.34 ft present datum, Sept. 27, 1960, from floodmark; maximum daily reverse flow, 2,540 ft^3/s Apr. 27, 1982; minimum gage height, 8.29 ft present datum, Mar. 17, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,700 ft^3/s Apr. 16; maximum gage height, 17.89 ft Sept. 20; maximum daily reverse flow, 780 ft^3/s June 14; minimum gage height, 8.71 ft June 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	398	.00	228	332	390	236	.00	150	-128	-305	.00
2	983	422	69	141	358	360	72	.00	154	65	-342	.00
3	748	284	420	.00	380	368	.00	-26	33	244	-361	.00
4	806	.00	386	.00	352	358	182	-58	44	279	-284	.00
5	824	383	471	.00	319	324	267	-117	57	8.5	-31	.00
6	589	190	343	.00	330	325	232	-268	76	-97	.00	.00
7	171	201	182	199	354	323	209	-177	97	-29	.00	.00
8	438	184	-5.0	265	320	364	123	-173	85	395	.00	.00
9	393	155	.00	345	332	343	184	-202	72	-24	-98	.00
10	418	248	99	374	360	345	115	-72	78	-13	54	.00
11	267	334	307	408	231	371	124	120	90	-183	-134	.00
12	44	351	321	348	150	339	.00	154	90	-57	12	.00
13	64	319	.00	277	387	274	.00	87	-7.0	331	84	.00
14	84	302	71	425	336	225	.00	4.7	-780	273	3.1	.00
15	142	282	339	177	319	203	907	-29	-401	216	-82	.00
16	79	303	350	.00	313	187	1700	-32	-310	256	.30	381
17	147	306	332	.00	132	134	1530	-28	-207	231	-121	393
18	147	303	317	.00	.00	92	1050	6.3	22	249	-95	303
19	156	299	292	.00	.00	56	934	-63	21	279	-102	411
20	133	284	292	362	.00	.00	905	-37	-326	391	.00	443
21	138	444	288	374	156	.00	849	21	-569	412	.00	1530
22	180	371	289	-78	175	.00	921	57	-542	360	.00	1230
23	409	380	306	73	139	.00	581	-66	-252	399	.00	966
24	446	443	322	.00	407	.00	908	44	-382	460	.00	1400
25	448	781	318	258	622	.00	1050	.00	-697	241	.00	1250
26	254	204	102	.00	336	192	608	.00	136	273	.00	933
27	.00	500	51	255	343	133	150	.00	-463	270	.00	1020
28	.00	401	193	220	380	133	150	3.0	-40	272	.00	862
29	125	416	254	416	---	122	135	151	-11	229	.00	1040
30	409	392	233	389	---	138	94	183	30	-339	.00	1190
31	428	---	225	345	---	210	---	164	---	-199	.00	---
TOTAL	10590.00	9880.00	7167.00	5801.00	7863.00	6309.00	14216.00	-353.00	-3752.0	5064.5	-1801.60	13352.00
MEAN	342	329	231	187	281	204	474	-11.4	-125	163	-58.1	445
MAX	1120	781	471	425	622	390	1700	183	154	460	84	1530
MIN	.00	.00	-5.0	-78	.00	.00	.00	-268	-780	-339	-361	.00
AC-FT	21010	19600	14220	11510	15600	12510	28200	-700	-7440	10050	-3570	26480

CAL YR 1984	TOTAL	89857.00	MEAN 246	MAX 1640	MIN -592	AC-FT	178200
WTR YR 1985	TOTAL	74335.90	MEAN 204	MAX 1700	MIN -780	AC-FT	147400

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.12	12.34	15.43	13.43	12.05	11.72	12.15	12.72	11.80	10.54	15.29	13.18
2	13.57	12.39	15.89	13.58	12.09	11.75	12.36	12.21	11.90	9.84	15.27	13.44
3	15.42	12.78	14.69	14.35	12.07	11.87	13.30	11.51	11.62	9.61	15.29	13.63
4	14.90	14.43	14.03	15.08	12.03	11.83	12.77	10.97	11.18	9.37	15.32	13.71
5	13.59	12.98	13.19	15.63	11.96	12.01	11.47	10.52	11.50	10.09	15.37	13.79
6	13.29	11.67	12.03	15.46	12.08	12.23	11.49	11.11	11.35	11.56	14.97	14.30
7	13.86	11.67	12.06	14.42	12.05	12.12	11.61	11.75	11.17	11.73	14.73	14.50
8	13.86	11.57	12.87	12.67	12.01	11.87	11.76	11.13	11.03	12.00	14.41	14.34
9	12.98	11.39	13.52	12.58	12.05	11.74	11.91	11.06	11.08	13.10	14.88	14.15
10	12.29	11.45	13.80	12.48	12.06	11.81	11.25	11.49	10.97	12.97	15.68	13.94
11	11.53	11.82	12.54	12.00	12.05	11.93	11.56	11.90	10.86	11.55	15.57	13.90
12	11.78	12.00	12.47	11.56	13.37	11.96	12.06	10.83	10.87	11.58	15.73	13.95
13	12.46	11.95	14.43	12.30	11.98	12.14	12.93	10.51	11.10	9.55	15.69	13.88
14	12.74	11.97	15.04	12.64	11.13	12.03	13.44	10.71	10.08	9.30	15.55	13.76
15	12.35	11.80	14.25	13.00	11.13	11.86	14.81	11.06	10.16	9.73	15.50	13.83
16	12.08	11.63	13.20	14.18	11.80	12.17	16.17	11.08	10.72	9.79	15.46	12.73
17	11.94	11.59	12.97	14.49	12.55	12.58	16.03	11.27	10.96	9.71	15.41	10.14
18	11.83	11.58	12.86	14.83	13.66	13.30	15.39	11.51	11.32	9.58	15.38	10.88
19	11.73	11.61	12.71	15.04	13.85	13.49	14.77	11.50	11.20	10.09	15.13	14.42
20	11.73	11.87	12.65	13.91	13.96	13.51	14.67	11.60	10.04	10.28	13.72	17.45
21	12.01	11.38	12.65	11.77	13.49	13.24	14.54	12.37	9.03	10.13	13.38	17.78
22	12.07	11.72	12.75	12.77	12.63	13.73	14.45	11.76	9.35	9.83	13.33	17.61
23	12.24	11.42	13.05	14.87	12.52	14.01	14.09	11.73	11.41	10.27	13.38	17.22
24	12.39	13.99	13.34	14.95	12.58	13.89	13.72	11.79	10.61	10.50	13.37	17.15
25	12.26	11.92	13.40	13.79	12.29	13.83	13.67	12.65	10.12	11.01	13.31	16.92
26	12.73	14.91	13.80	13.40	11.78	12.89	13.37	12.68	10.98	12.38	13.15	16.68
27	13.37	14.80	14.74	12.42	11.86	11.95	12.31	12.58	10.13	12.26	13.11	16.48
28	13.05	14.82	14.41	11.66	11.97	12.36	12.28	12.64	9.57	12.04	13.39	16.31
29	12.62	14.63	13.57	11.92	---	12.05	12.08	12.29	10.95	11.81	13.39	16.35
30	13.07	14.29	13.36	12.07	---	12.40	12.37	11.66	11.48	13.73	13.33	16.36
31	12.51	---	13.30	12.18	---	12.41	---	11.70	---	15.24	13.27	---
MEAN	12.82	12.48	13.52	13.40	12.32	12.47	13.16	11.62	10.82	11.01	14.54	14.76
MAX	15.42	14.91	15.89	15.63	13.96	14.01	16.17	12.72	11.90	15.24	15.73	17.78
MIN	11.53	11.38	12.03	11.56	11.13	11.72	11.25	10.51	9.03	9.30	13.11	10.14

CAL YR 1984 MEAN 12.50 MAX 17.32 MIN 9.20
WTR YR 1985 MEAN 12.75 MAX 17.78 MIN 9.03

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'50", in SE¼ sec.32, T.43 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 350 ft downstream from control structure 5A-E, and 6 mi west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1955 to current year. Monthly discharge only for September 1955, published in WSP 1724. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Water-stage recorder and gate-opening indicator. Datum of gage is National Geodetic Vertical Datum of 1929 (South Florida Water Management District bench mark). Auxiliary water-stage recorder in Levee 8 Canal 50 ft upstream from S-5A-E. Prior to October 1981 all gages at datum 0.24 ft higher.

REMARKS.--No estimated daily discharges. Records good. Normal flow to east regulated at S-5A-E for irrigation and drainage. Flow diverted upstream from station through S-5A-S and by pumpage at S-5A. Flow materially affected by regulation of Cross Canal 1.5 mi upstream and hurricane gate structure 5, 20 miles upstream. Negative figures indicate flow to the west. Discharge computed from relation between discharge, head, and gate openings at S-5A-E.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--30 years, 180 ft^3/s, 130,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,150 ft^3/s June 26, 1984; maximum gage height, 16.38 ft present datum, Oct. 23, 1983; maximum daily reverse flow, 930 ft^3/s Mar. 29, 1982; no flow for many days each year; minimum gage height, 6.24 ft Sept. 9, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 748 ft^3/s Oct. 3; maximum gage height, 15.18 ft Sept. 20 no flow for many days; maximum daily reverse flow, 569 ft^3/s June 21; minimum gage height, 8.34 ft July 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	.00	.00	.00	115	258	41	.00	.00	-286	.00	.00
2	477	.00	.00	.00	126	232	13	.00	.00	-151	.00	.00
3	748	.00	.00	.00	127	238	.00	117	.00	-100	.00	.00
4	648	.00	.00	.00	145	222	.00	114	.00	.00	.00	.00
5	501	.00	.00	.00	146	131	.00	.00	.00	.00	.00	.00
6	589	20	.00	.00	126	109	.00	.00	.00	.00	.00	.00
7	171	94	181	.00	124	194	.00	.00	.00	.00	.00	.00
8	438	96	73	.00	131	264	.00	.00	.00	133	.00	.00
9	393	63	.00	55	126	225	.00	.00	.00	.00	.00	.00
10	224	.00	.00	122	126	221	.00	.00	.00	.00	.00	.00
11	.00	.00	-14	116	100	265	.00	.00	.00	.00	.00	.00
12	.00	.00	85	115	.00	193	.00	.00	.00	13	.00	.00
13	.00	.00	.00	148	117	154	.00	.00	-52	.00	.00	.00
14	.00	.00	.00	81	134	225	.00	.00	-399	.00	.00	.00
15	.00	.00	.00	45	132	203	.00	.00	-401	-128	.00	.00
16	-26	.00	.00	.00	139	187	.00	60	-310	-253	.00	-283
17	77	.00	.00	.00	49	134	.00	.00	-194	-296	.00	-384
18	109	.00	.00	.00	.00	92	.00	.00	-67	-192	.00	-514
19	107	.00	.00	.00	.00	56	.00	.00	-61	-292	.00	-282
20	113	.00	.00	.00	.00	.00	.00	-134	-343	-348	.00	.00
21	111	68	.00	.00	73	.00	.00	-290	-569	-301	.00	.00
22	-16	43	.00	.00	77	.00	.00	-79	-542	-198	.00	.00
23	61	.00	.00	.00	47	.00	.00	-4.7	-252	-351	.00	.00
24	99	-67	.00	.00	49	.00	.00	30	-382	-333	.00	.00
25	78	-174	.00	.00	105	.00	.00	.00	-412	22	.00	.00
26	44	.00	.00	.00	147	98	.00	.00	-7.0	-22	.00	.00
27	.00	136	.00	.00	135	101	.00	.00	-246	-59	.00	.00
28	.00	69	.00	5.4	221	47	.00	.00	-82	-61	.00	.00
29	.00	.00	.00	120	---	25	29	.00	-81	-65	.00	.00
30	.00	.00	.00	116	---	30	25	.00	-48	-9.5	.00	.00
31	.00	---	.00	128	---	17	---	.00	---	.00	.00	---
TOTAL	5069.00	348.00	325.00	1051.40	2817.00	3921.00	108.00	-186.70	-4448.00	-3277.50	.00	-1463.00
MEAN	164	11.6	10.5	33.9	101	126	3.60	-6.02	-148	-106	.000	-48.8
MAX	748	136	181	148	221	265	41	117	.00	133	.00	.00
MIN	-26	-174	-14	.00	.00	.00	.00	-290	-569	-351	.00	-514
AC-FT	10050	690	645	2090	5590	7780	214	-370	-8820	-6500	.00	-2900

CAL YR 1984	TOTAL	88921.00	MEAN	243	MAX	1150	MIN -424	AC-FT	176400
WTR YR 1985	TOTAL	4264.20	MEAN	11.7	MAX	748	MIN -569	AC-FT	8460

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.43	10.62	9.35	13.14	12.02	11.57	11.93	9.52	11.66	10.97	12.95	10.11
2	12.67	10.98	9.37	13.31	12.05	11.63	11.91	9.25	11.54	9.91	12.94	9.12
3	14.21	12.08	9.54	13.15	12.03	11.75	12.12	9.76	11.38	9.49	12.96	9.13
4	13.96	10.20	9.51	13.08	11.98	11.72	10.21	10.83	10.95	8.49	12.81	9.38
5	12.66	10.46	9.10	13.49	11.92	11.97	10.21	10.61	11.28	8.89	13.04	9.22
6	12.54	11.58	9.02	13.42	12.05	12.20	10.38	10.51	10.92	8.59	13.10	9.07
7	11.09	11.65	9.59	13.21	12.01	12.02	10.47	10.04	10.10	8.52	10.98	9.24
8	11.21	11.55	12.70	12.95	11.97	11.71	10.45	10.11	9.86	9.43	9.73	9.04
9	12.65	11.36	12.87	12.73	12.02	11.63	10.40	9.91	10.06	10.80	9.73	9.16
10	11.56	10.90	13.08	12.45	12.02	11.71	10.00	9.54	9.71	11.19	10.10	9.06
11	9.53	11.33	12.61	11.97	11.87	11.77	9.93	10.01	9.07	11.21	10.19	8.76
12	10.01	11.67	12.22	11.53	11.49	11.86	9.76	10.21	9.14	11.29	10.70	9.15
13	10.70	11.65	12.60	12.25	11.42	12.09	11.31	9.99	10.98	9.15	11.92	9.51
14	11.41	10.95	12.89	12.62	11.09	11.91	10.08	9.65	11.75	8.85	10.16	10.06
15	11.93	11.16	12.50	12.33	11.09	11.77	11.24	9.62	11.58	10.28	9.11	11.49
16	12.17	11.45	12.88	12.33	11.76	12.09	13.07	9.42	11.55	9.98	9.74	12.61
17	11.93	11.41	12.95	12.54	11.95	12.46	11.60	11.17	11.39	9.98	9.55	10.46
18	11.80	11.43	12.63	12.89	11.63	12.47	10.85	11.70	11.37	9.70	9.57	11.50
19	11.70	11.14	12.08	13.03	11.31	11.43	10.62	11.90	11.24	10.39	9.93	14.41
20	11.71	11.31	12.37	11.60	11.32	10.46	11.25	12.15	11.51	10.64	9.91	15.07
21	11.99	11.04	12.30	10.52	11.67	9.80	11.54	13.11	11.83	10.41	11.35	14.47
22	12.09	9.49	12.18	9.97	11.99	11.13	11.51	11.88	11.92	9.95	10.88	12.98
23	12.25	11.00	12.26	10.62	12.28	11.96	11.18	11.73	12.01	10.67	10.05	11.30
24	12.37	13.83	12.22	12.58	12.32	11.25	11.08	11.53	12.22	10.84	9.15	10.39
25	12.25	11.75	12.40	13.11	12.08	10.08	10.94	10.33	11.73	11.01	8.94	10.60
26	11.95	10.84	12.89	13.00	11.74	9.36	11.30	10.03	10.98	12.47	9.15	9.60
27	9.88	11.23	13.38	12.71	11.82	10.84	11.12	9.46	10.54	12.38	10.70	9.33
28	8.85	10.90	13.38	11.98	11.85	12.09	9.90	9.35	9.61	12.15	12.44	10.36
29	9.12	9.68	13.39	11.89	---	11.97	9.38	9.85	10.97	11.92	10.93	11.23
30	10.20	9.29	13.05	12.04	---	12.30	10.00	10.99	11.49	12.25	9.94	12.03
31	10.34	---	13.10	12.14	---	12.37	---	11.76	---	12.52	9.72	---
MEAN	11.62	11.13	11.95	12.41	11.81	11.59	10.86	10.51	11.01	10.46	10.72	10.59
MAX	14.21	13.83	13.39	13.49	12.32	12.47	13.07	13.11	12.22	12.52	13.10	15.07
MIN	8.85	9.29	9.02	9.97	11.09	9.36	9.38	9.25	9.07	8.49	8.94	8.76

CAL YR 1984 MEAN 11.46 MAX 16.07 MIN 7.87
WTR YR 1985 MEAN 11.22 MAX 15.07 MIN 8.49

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL
(National stream-quality accounting network station)

LOCATION.--Lat 26°38'40", long 80°03'22", in NW¼ sec.15, T.44 S., R.34 E., Palm Beach County, Hydrologic Unit 03090202, on left bank in concrete control house north of control structure, 200 ft downstream from bridge on U.S. Highway 1, and 4.9 mi south of courthouse in West Palm Beach.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1939 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Digital upstream and downstream stage recorders, one dual Steven's graphic recorder for gate Nos. 1, and 2 and one Steven's graphic recorder for gate No. 3. Prior to May 1, 1984, digital upstream stage recorder, and gate-opening indicator at site 220 ft upstream at same datum. Datum of gage is National Geodetic Vertical Datum of 1929. (State Department of Transportation bench mark). Prior to April 26, 1940, nonrecording gage, April 26, 1940 to December 20, 1949, water-stage record, at same site at datum 0.25 ft higher, and December 20, 1949 to June 3, 1959, at same site and present datum. June 3, 1959 to September 30, 1965, water-stage and deflection vane recorder at site 800 ft upstream at present datum.

REMARKS.--Records poor. Flow regulated by operation of control structure (gates in lock chamber for irrigation and drainage purposes until May 1, 1984). Lock chamber not used for navigation. Since January 1954, flow affected by control structures 20 mi upstream. Discharge computed from relations between discharge and gate openings.

COOPERATION.--Gate-operation log provided by South Florida Water Management District.

AVERAGE DISCHARGE.--44 years (water years 1941-84), 719 ft^3/s, 520,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,640 ft^3/s, Mar. 29, 1982; maximum gage height, 10.89 ft Oct. 13, 1947, present datum; minimum flow consists of leakage estimated as 10 ft^3/s for many days in 1967-1984; no flow for some days during 1984, 1985; minimum gage height, 2.85 ft Dec. 3, 1953; Oct. 9, 1963, and Sept. 9, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,340 ft^3/s Nov. 23; maximum gage height, 8.47 ft Oct. 17; no flow for some days; minimum gage height, 6.10 ft Apr. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1910	325	---	.00	.00	.00	.00	.00	386	578	821	385
2	1480	233	---	.00	.00	.00	.00	441	.00	486	876	374
3	1580	772	270	312	.00	74	41	27	98	787	1110	447
4	1590	619	583	147	.00	304	25	451	107	533	761	629
5	1030	629	626	427	.00	.00	.00	410	238	658	929	432
6	1050	287	694	.00	.00	.00	.00	280	77	71	915	535
7	998	411	713	355	173	.00	.00	328	.00	447	787	690
8	795	309	406	135	246	.00	.00	172	.00	209	702	223
9	1210	27	673	.00	107	.00	.00	.00	.00	163	967	597
10	1140	354	341	.00	.00	.00	.00	.00	.00	495	579	428
11	635	217	410	.00	336	.00	.00	197	.00	263	948	271
12	667	109	578	.00	87	.00	.00	238	.00	526	718	240
13	140	287	214	.00	.00	.00	287	.00	123	787	863	391
14	434	234	.00	.00	.00	.00	757	.00	432	328	787	518
15	245	326	434	.00	.00	.00	1120	.00	.00	624	787	771
16	362	305	28	.00	.00	.00	1780	.00	385	649	488	1230
17	263	282	393	.00	.00	.00	1040	.00	130	1020	404	1050
18	35	262	92	31	.00	.00	658	.00	.00	746	546	1870
19	337	243	320	491	.00	.00	525	.00	148	833	605	2660
20	256	243	18	250	.00	.00	189	485	.00	927	504	2360
21	201	502	361	108	.00	251	427	1040	.00	743	573	2290
22	327	2910	.00	.00	.00	552	230	1010	.00	1130	608	1800
23	60	3340	340	.00	.00	699	189	685	.00	1670	461	968
24	299	3120	.00	.00	.00	102	.00	1040	189	2130	393	422
25	.00	1990	243	402	.00	197	164	939	500	676	790	1140
26	622	1700	143	.00	.00	.00	.00	1010	230	885	214	1140
27	662	e1500	390	.00	.00	.00	.00	816	842	665	615	572
28	294	e500	.00	.00	.00	.00	57	699	304	728	748	495
29	259	e588	.00	.00	---	.00	164	241	164	656	785	684
30	.00	e600	.00	.00	---	.00	595	345	870	695	373	822
31	.00	---	387	.00	---	.00	---	205	---	590	445	---
TOTAL	18881.00	23224	---	2658.00	949.00	2179.00	8248.00	11059.00	5223.00	21698	21102	26434
MEAN	609	774	---	85.7	33.9	70.3	275	357	174	700	681	881
MAX	1910	3340	---	491	336	699	1780	1040	870	2130	1110	2660
MIN	.00	27	---	.00	.00	.00	.00	.00	.00	71	214	223
AC-FT	37450	46060	---	5270	1880	4320	16360	21940	10360	43040	41860	52430

e Estimated

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.27	8.17	8.35	8.21	8.17	8.20	8.23	8.24	8.20	8.22	8.08	8.05
2	7.31	8.31	8.18	8.32	8.15	8.30	8.29	8.18	8.32	8.25	7.97	8.09
3	7.25	8.12	8.29	8.32	8.14	8.36	8.35	8.23	8.37	8.07	7.93	7.97
4	7.27	8.38	8.16	8.20	8.17	8.12	8.38	8.20	8.39	8.05	7.96	7.99
5	7.70	8.31	8.28	8.19	8.20	8.11	8.29	8.27	8.33	8.20	8.05	8.07
6	8.19	8.18	8.29	8.22	8.23	8.01	8.19	8.25	8.10	8.23	7.99	7.98
7	8.10	8.16	8.17	8.17	8.27	7.92	8.13	8.29	8.12	8.18	8.02	7.96
8	8.28	8.26	8.07	8.01	8.27	8.07	8.08	8.15	8.14	8.30	7.94	8.07
9	8.16	8.24	8.19	8.11	8.14	8.17	8.07	8.29	8.24	8.18	7.99	8.01
10	8.11	8.20	8.18	8.17	8.30	8.27	8.10	8.32	8.26	8.33	8.01	8.02
11	8.22	8.28	8.12	8.21	8.18	8.34	8.05	8.37	8.25	8.27	7.95	8.12
12	8.10	8.23	8.16	8.22	8.21	8.34	7.95	8.17	8.26	8.20	8.03	8.06
13	8.18	8.20	8.00	8.22	8.23	8.14	8.14	8.35	8.34	8.11	8.10	8.09
14	8.15	8.24	8.17	8.25	8.25	8.13	8.18	8.39	8.18	8.23	8.16	8.13
15	8.34	8.20	8.18	8.27	8.25	8.13	8.07	8.33	8.33	8.18	8.01	8.07
16	8.15	8.20	8.28	8.28	8.24	8.13	7.42	8.29	8.18	8.26	7.95	7.92
17	8.31	8.21	8.12	8.28	8.22	8.17	8.14	8.30	8.26	8.15	8.04	8.07
18	8.28	8.23	8.32	8.31	8.17	8.26	8.27	8.32	8.35	8.13	8.06	7.51
19	8.19	8.27	8.12	8.08	8.19	8.28	8.24	8.34	8.31	8.17	8.01	7.08
20	8.32	8.28	8.33	8.14	8.31	8.26	8.21	8.36	8.33	8.17	7.97	7.18
21	8.21	8.29	8.13	8.12	8.31	8.21	8.17	8.21	8.38	8.20	8.00	7.30
22	8.22	7.54	8.30	8.11	8.28	8.32	8.32	8.27	8.39	7.83	7.93	7.31
23	8.31	7.12	8.18	8.13	8.22	8.10	8.19	8.30	8.42	7.23	8.00	7.68
24	8.14	7.11	8.26	8.27	8.20	8.28	8.35	8.26	8.28	7.24	8.09	8.06
25	8.33	7.18	8.33	8.17	8.19	8.20	8.32	8.23	8.32	7.67	8.07	8.02
26	8.26	7.15	8.17	8.20	8.12	8.37	8.35	8.22	8.22	7.94	8.05	8.08
27	8.29	7.17	8.26	8.21	8.08	8.44	8.38	8.18	7.98	7.98	7.96	8.01
28	8.14	7.83	8.18	8.21	8.06	8.34	8.39	8.25	8.22	7.98	7.97	8.04
29	8.24	8.25	8.32	8.20	---	8.27	8.26	8.25	8.20	7.99	8.04	7.97
30	8.23	8.15	8.37	8.19	---	8.22	8.17	8.29	8.21	8.04	8.05	8.00
31	8.37	---	8.12	8.19	---	8.22	---	8.22	---	8.15	8.02	---
MEAN	8.08	8.02	8.21	8.20	8.21	8.22	8.19	8.27	8.26	8.07	8.01	7.90
MAX	8.37	8.38	8.37	8.32	8.31	8.44	8.39	8.39	8.42	8.33	8.16	8.13
MIN	7.25	7.11	8.00	8.01	8.06	7.92	7.42	8.15	7.98	7.23	7.93	7.08

CAL YR 1984 MEAN 7.91 MAX 8.44 MIN 5.97
WTR YR 1985 MEAN 8.14 MAX 8.44 MIN 7.08

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1953 to September 1954, October 1957 to September 1958, October 1960 to September 1961, July 1964 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
DEC											
18...	1045	22.5	25.0	760	1028	80010	--	550	6.70	--	71
18...	1046	22.5	25.0	760	1028	80010	1.0	550	6.70	7.60	71
MAR											
20...	1115	24.5	21.0	765	1028	80010	8.5	807	7.80	7.70	3.6
JUN											
18...	1000	29.5	77.5	762	1028	80010	1.1	640	8.00	7.80	4.2
SEP											
18...	1130	25.5	22.0	759	1028	1028	--	469	7.70	--	6.3

DATE	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
DEC											
18...	184	0.06	0.7	0.44	0.12	0.11	0.09	--	--	--	--
18...	183	--	--	--	--	--	--	82	4.6	29	2.3
MAR											
20...	117	--	--	--	--	--	--	74	15	69	2.6
JUN											
18...	220	0.15	1.3	0.38	0.10	0.05	0.04	83	5.2	37	3.5
SEP											
18...	164	--	--	--	--	--	--	--	--	--	--

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	46	25	0.2	6.6	1	23	<0.5	1	<1	<3
MAR										
20...	120	54	0.3	7.7	<1	36	<0.5	<1	<1	<3
JUN										
18...	56	27	0.2	7.4	1	24	2	<1	9	<3
SEP										
18...	--	--	--	--	--	--	--	--	--	--

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	5	76	4	10	<10	1	<1	770	<6	25
MAR										
20...	2	27	1	10	<10	2	<1	1200	7	12
JUN										
18...	8	18	<1	2	<10	<1	<1	750	<6	28
SEP										
18...	--	--	--	--	--	--	--	--	--	--

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	20	8	<1	353	<1	--	0.2	<1	541	194
MAR										
20...	<10	10	<1	490	--	--	0.1	--	841	183
JUN										
18...	<10	8	<1	381	--	0.31	<0.1	--	598	205
SEP										
18...	--	--	--	--	22	--	--	80	--	--

02280500 HILLSBORO CANAL BELOW HGS-4, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'45", in SW¼ sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, 15 ft from south bank, 200 ft downstream from North New River Canal, 1,000 ft downstream from hurricane gate structure 4 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

GAGE.--Electromagnetic velocity meter recorder. Water-stage recorder at pump station 2 used for gage heights at this station. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records poor. 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 station 2 (negative figures indicate flow reversed). Discharge computed from continuous velocity record obtained from electromagnetic velocity meter. See records for North New River Canal below HGS-4, near South Bay (station 02283500) for table of daily gage height.

AVERAGE DISCHARGE.--28 years, -23.4 ft^3/s, -16,950 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 948 ft^3/s May 5, 1966; maximum gage height, 14.09 ft Sept. 28, 1962; maximum daily reverse flow, 1,760 ft^3/s Mar. 30, 1970; minimum gage height, 6.98 ft observed Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 911 ft^3/s May 15; maximum gage height, 13.27 ft Apr. 16; maximum daily reverse flow, 1,080 ft^3/s Sept. 19; minimum gage height, 9.45 ft Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-232	308	22	193	222	356	414	-221	461	-15	-384	-175
2	-25	298	-1.7	185	270	367	208	42	342	288	-38	-97
3	170	44	33	215	228	300	-98	4.1	500	106	160	-518
4	125	-159	75	101	242	439	119	-166	721	5.7	163	-322
5	87	311	44	21	259	856	320	90	796	-192	125	-566
6	78	412	-117	-62	154	839	463	345	669	-85	50	-95
7	72	279	41	212	303	246	331	411	415	-62	-13	-235
8	49	198	97	344	276	504	303	296	420	-75	-525	-81
9	16	212	126	249	238	468	17	365	394	-129	-341	-76
10	-56	223	161	187	184	384	172	305	398	-86	-170	-30
11	144	209	299	267	40	433	140	-42	345	-56	-147	16
12	295	201	289	285	111	445	-48	238	243	-81	-302	-42
13	184	192	108	189	190	477	-208	503	21	32	-309	-375
14	169	207	22	117	66	687	-230	766	-40	-41	12	-386
15	178	162	7.1	129	51	538	-194	911	34	-323	33	-572
16	214	189	-27	173	45	604	-207	856	69	-629	-46	-626
17	234	189	97	168	35	151	-66	385	9.9	-477	-80	-236
18	195	185	203	131	153	-34	-63	232	237	-375	-21	-576
19	255	203	209	215	307	37	-14	199	453	-364	94	-1080
20	328	168	221	179	262	137	-21	109	217	-246	104	-360
21	251	11	212	187	266	39	-20	39	153	-225	-169	-203
22	237	-268	214	109	251	-83	-19	204	112	-116	-593	-108
23	186	-650	184	-2.2	294	-35	90	231	46	-84	-661	-93
24	183	-406	177	-121	275	-40	259	-274	27	-73	-51	-68
25	174	-100	172	-101	267	-20	168	-396	97	-106	34	3.0
26	-22	-47	125	-70	260	24	159	-224	59	-79	-8.4	9.5
27	-67	-25	72	-76	252	55	185	-1.6	55	-63	-353	4.1
28	-88	-47	159	117	321	67	201	164	5.7	-83	-578	14
29	185	-29	195	218	---	110	230	224	-94	-30	-603	-7.1
30	332	-5.5	196	208	---	223	-33	374	-100	-87	-265	5.6
31	283	---	201	196	---	232	---	435	---	30	-112	---
TOTAL	4134	2464.5	3815.4	4162.8	5822	8806	2558	6403.5	7065.6	-3720.3	-4994.4	-6874.9
MEAN	133	82.2	123	134	208	284	85.3	207	236	-120	-161	-229
MAX	332	412	299	344	321	856	463	911	796	288	163	16
MIN	-232	-650	-117	-121	35	-83	-230	-396	-100	-629	-661	-1080
AC-FT	8200	4890	7570	8260	11550	17470	5070	12700	14010	-7380	-9910	-13640

CAL YR 1984 TOTAL 31156.30 MEAN 85.1 MAX 597 MIN -1070 AC-FT 61800
WTR YR 1985 TOTAL 29642.20 MEAN 81.2 MAX 911 MIN -1080 AC-FT 58800

262358080055700 E-4 CANAL, CLINT-MOORE RD., BOCA RATON, FL

LOCATION.--Lat 26°23'58", long 80°05'57", in NE¼NW¼ sec.6, T.47 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, .5 mi west of Clint Moore Road from I-95 overpass in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 adjustment of 1972.

REMARKS.--Records good. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.87 ft Nov. 16, 1982; minimum, 3.88 ft May 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.45 ft July 24; minimum, 4.22 Apr. 9.

REVISIONS.--The maximum gage height for water year 1983 has been revised to 5.87 ft Nov. 16, 1982, and the minimum gage height for water year 1983 has been revised to 3.88 ft May 25, 1983.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.84	4.49	4.70	4.42	4.32	4.27	4.31	4.43	4.39	4.41	4.74	4.58
2	4.80	4.48	4.68	4.40	4.32	4.27	4.30	4.41	4.37	4.40	4.74	4.55
3	4.78	4.78	4.66	4.39	4.32	4.28	4.29	4.40	4.36	4.41	4.76	4.82
4	4.75	4.76	4.65	4.39	4.31	4.28	4.30	4.39	4.34	4.42	4.75	4.80
5	4.74	4.71	4.69	4.39	4.31	4.27	4.29	4.44	4.32	4.43	4.73	4.76
6	4.72	4.66	4.65	4.41	4.30	4.26	4.27	4.42	4.30	4.42	4.72	4.75
7	4.69	4.63	4.60	4.39	4.29	4.25	4.26	4.41	4.31	4.41	4.71	4.71
8	4.70	4.68	4.63	4.37	4.28	4.25	4.26	4.39	4.29	4.39	4.72	4.70
9	4.66	4.61	4.60	4.41	4.29	4.28	4.24	4.39	4.28	4.36	4.70	4.65
10	4.65	4.57	4.58	4.44	4.29	4.28	4.25	4.40	4.27	4.37	4.70	4.63
11	4.64	4.61	4.62	4.45	4.30	4.28	4.25	4.40	4.27	4.40	4.69	4.61
12	4.64	4.55	4.61	4.41	4.28	4.28	4.27	4.39	4.27	4.39	4.70	4.58
13	4.64	4.57	4.57	4.41	4.28	4.27	4.38	4.38	4.29	4.51	4.69	4.56
14	4.66	4.54	4.56	4.38	4.28	4.29	4.44	4.36	4.32	4.52	4.68	4.59
15	4.67	4.57	4.60	4.35	4.28	4.28	4.54	4.36	4.32	4.52	4.66	4.58
16	4.66	4.53	4.59	4.34	4.28	4.30	4.62	4.37	4.31	4.54	4.64	4.59
17	4.66	4.52	4.55	4.36	4.28	4.30	4.58	4.40	4.30	4.59	4.62	4.58
18	4.65	4.52	4.58	4.35	4.28	4.27	4.55	4.37	4.29	4.63	4.61	4.80
19	4.57	4.52	4.59	4.35	4.29	4.25	4.53	4.37	4.28	4.69	4.61	4.93
20	4.58	4.53	4.53	4.34	4.29	4.25	4.54	4.41	4.27	4.68	4.59	4.98
21	4.57	4.65	4.51	4.33	4.28	4.29	4.52	4.44	4.25	4.66	4.58	4.95
22	4.51	4.68	4.55	4.34	4.28	4.40	4.50	4.43	4.26	4.65	4.57	4.88
23	4.55	4.79	4.57	4.36	4.30	4.38	4.47	4.43	4.28	4.79	4.56	4.81
24	4.54	4.81	4.53	4.34	4.29	4.37	4.47	4.44	4.28	5.28	4.55	4.77
25	4.55	4.80	4.51	4.32	4.28	4.35	4.46	4.44	4.30	5.05	4.56	4.74
26	4.56	4.77	4.52	4.30	4.28	4.33	4.45	4.44	4.29	4.97	4.54	4.71
27	4.54	4.74	4.48	4.32	4.26	4.32	4.44	4.46	4.28	4.91	4.63	4.69
28	4.47	4.73	4.44	4.32	4.26	4.32	4.43	4.44	4.29	4.85	4.64	4.68
29	4.45	4.69	4.41	4.32	---	4.33	4.42	4.43	4.30	4.81	4.63	4.67
30	4.51	4.70	4.40	4.31	---	4.32	4.44	4.42	4.38	4.78	4.62	4.68
31	4.49	---	4.42	4.31	---	4.32	---	4.41	---	4.76	4.60	---
MEAN	4.63	4.64	4.57	4.37	4.29	4.30	4.40	4.41	4.30	4.61	4.65	4.71
MAX	4.84	4.81	4.70	4.45	4.32	4.40	4.62	4.46	4.39	5.28	4.76	4.98
MIN	4.45	4.48	4.40	4.30	4.26	4.25	4.24	4.36	4.25	4.36	4.54	4.55

CAL YR 1984 MEAN 4.58 MAX 5.50 MIN 4.40
WTR YR 1985 MEAN 4.49 MAX 5.28 MIN 4.24

262337080074800 E-3 CANAL AT 51ST STREET, BOCA RATON, FL

LOCATION.--Lat 26°23'37", long 80°07'48", in NE¼NW¼ sec.11, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, in 2.2 mi west of I-95, Yamato Road exit in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 adjustment of 1972.

REMARKS.--Records good. Station is part of a canal system operated by Lake Worth Drainage District.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.82 ft May 4, 1982; minimum, 8.38 ft March 12, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.04 ft July 24; minimum 9.16 ft Apr. 9, 12.

REVISIONS.--Extremes for period of record maximum gage height corrected.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.72	9.49	9.55	9.39	9.50	9.74	9.81	9.62	9.45	9.83	9.85	9.71
2	9.69	9.49	9.46	9.42	9.67	9.77	9.82	9.66	9.44	9.84	9.85	9.61
3	9.66	9.80	9.44	9.47	9.75	9.84	9.86	9.63	9.43	9.84	9.90	9.67
4	9.63	9.68	9.62	9.50	9.78	9.84	9.78	9.61	9.38	9.37	9.87	9.45
5	9.58	9.55	9.70	9.52	9.81	9.84	9.65	9.67	9.42	9.36	9.83	9.55
6	9.55	9.65	9.69	9.52	9.81	9.84	9.52	9.73	9.43	9.65	9.85	9.63
7	9.49	9.60	9.70	9.53	9.80	9.84	9.27	9.88	9.43	9.73	9.87	9.82
8	9.48	9.65	9.68	9.56	9.81	9.85	9.23	9.96	9.43	9.70	9.90	9.83
9	9.49	9.72	9.67	9.55	9.85	9.89	9.20	9.81	9.40	9.64	9.95	9.83
10	9.57	9.75	9.65	9.53	9.85	9.89	9.20	9.61	9.38	9.51	9.89	9.81
11	9.56	9.76	9.64	9.53	9.79	9.91	9.20	9.54	9.46	9.53	9.85	9.80
12	9.48	9.73	9.64	9.51	9.79	9.90	9.32	9.48	9.55	9.53	9.82	9.84
13	9.45	9.68	9.61	9.49	9.78	9.90	9.80	9.36	9.63	9.60	9.87	9.83
14	9.42	9.64	9.57	9.47	9.77	9.92	9.44	9.36	9.62	9.69	9.84	9.78
15	9.42	9.59	9.54	9.44	9.78	9.81	9.70	9.52	9.57	9.75	9.82	9.48
16	9.42	9.55	9.51	9.42	9.79	9.79	9.88	9.54	9.58	9.80	9.84	9.56
17	9.41	9.51	9.48	9.43	9.78	9.75	9.81	9.61	9.51	9.85	9.82	9.55
18	9.39	9.48	9.42	9.43	9.77	9.71	9.79	9.64	9.40	9.62	9.80	10.15
19	9.36	9.43	9.38	9.47	9.77	9.63	9.80	9.57	9.40	9.66	9.73	10.19
20	9.34	9.38	9.43	9.53	9.78	9.63	9.80	9.62	9.51	9.62	9.64	10.07
21	9.33	9.42	9.46	9.58	9.75	9.72	9.79	9.82	9.55	9.56	9.61	10.00
22	9.39	9.40	9.47	9.58	9.72	9.91	9.72	9.66	9.65	9.64	9.63	9.88
23	9.57	9.55	9.46	9.62	9.70	9.87	9.72	9.60	9.78	10.03	9.62	9.95
24	9.59	9.55	9.46	9.61	9.70	9.82	9.70	9.55	9.71	10.59	9.60	9.90
25	9.59	9.53	9.46	9.58	9.69	9.81	9.66	9.55	9.74	10.02	9.58	9.86
26	9.57	9.60	9.46	9.53	9.69	9.76	9.59	9.54	9.76	10.04	9.50	9.87
27	9.41	9.72	9.49	9.52	9.73	9.80	9.52	9.51	9.80	9.93	9.65	9.85
28	9.39	9.58	9.47	9.50	9.70	9.83	9.51	9.44	9.75	9.82	9.84	9.82
29	9.39	9.53	9.46	9.48	---	9.85	9.48	9.37	9.69	9.80	9.86	9.83
30	9.47	9.51	9.43	9.45	---	9.79	9.56	9.35	9.71	9.86	9.83	9.87
31	9.46	---	9.41	9.44	---	9.80	---	9.43	---	9.86	9.78	---
MEAN	9.49	9.58	9.53	9.50	9.75	9.81	9.60	9.59	9.55	9.75	9.78	9.80
MAX	9.72	9.80	9.70	9.62	9.85	9.92	9.88	9.96	9.80	10.59	9.95	10.19
MIN	9.33	9.38	9.38	9.39	9.50	9.63	9.20	9.35	9.38	9.36	9.50	9.45

CAL YR 1984 MEAN 9.43 MAX 11.54 MIN 8.38
WTR YR 1985 MEAN 9.65 MAX 10.59 MIN 9.20

261953080054900 EL RIO CANAL, SW 18TH STREET, BOCA RATON, FL

LOCATION.--Lat 26°19'53", long 80°05'49", in SE¼SE¼ sec.31, T.47 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, 1.5 mi SW of Post Office in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to September 1985 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 adjustment of 1972.

REMARKS.--Records good. Station is part of a canal system operated by Lake Worth Drainage District. Gage is located in tidal waters below freshwater control.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.05 ft September 27, 1984; minimum, -1.29 ft May 14, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.03 ft Nov. 23; minimum, -1.11 ft June 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.61	2.44	2.33	1.84	1.42	1.14	1.19	1.99	2.67	2.23	2.55	
2	2.41	2.56	2.32	1.86	1.57	1.40	1.48	2.26	2.51	2.14	2.60	
3	2.44	2.81	2.11	1.90	1.60	1.63	1.83	2.23	2.56	2.18	2.42	
4	2.41	2.88	2.33	2.13	1.79	1.90	1.84	2.36	2.31	2.23	2.76	
5	2.35	2.70	2.52	2.26	2.05	2.01	2.05	2.33	1.76	1.93	2.65	
6	2.36	2.67	2.26	2.49	2.15	2.06	2.12	2.47	2.23	1.96	2.49	
7	2.41	2.98	2.24	2.55	2.31	2.27	1.91	1.84	2.01	1.77	---	
8	2.56	3.04	2.22	2.53	2.27	2.15	1.51	2.20	1.89	1.46	---	
9	2.79	3.09	2.42	2.51	2.25	2.04	1.93	2.02	1.64	1.58	---	
10	2.68	2.94	2.22	2.60	2.19	1.73	1.71	1.79	1.57	1.63	---	
11	2.81	2.81	2.31	2.33	2.30	2.06	1.63	1.82	1.62	1.56	---	
12	2.77	2.56	2.51	2.43	2.00	1.86	1.70	1.84	1.67	1.72	---	
13	2.90	2.45	2.44	2.48	1.77	1.51	1.68	1.83	1.78	1.81	---	
14	2.81	2.22	2.13	2.60	1.67	1.54	1.67	1.90	1.77	1.89	---	
15	2.86	2.47	2.29	2.35	1.78	1.47	1.99	2.00	1.69	2.05	---	
16	2.85	2.36	2.21	2.42	1.78	1.65	2.05	2.39	1.52	2.10	---	
17	2.71	2.45	2.29	2.37	1.68	1.72	1.98	2.68	1.50	2.51	---	
18	2.65	2.60	2.55	2.43	1.64	1.92	1.74	2.60	1.63	2.24	---	
19	2.74	2.68	2.46	2.51	1.70	1.82	1.79	2.37	1.95	2.40	---	
20	2.92	2.84	2.66	2.45	1.74	1.99	1.76	2.32	1.98	2.03	---	
21	2.90	3.05	2.76	2.14	1.51	2.28	1.78	2.15	1.55	2.35	---	
22	2.95	3.46	2.60	1.81	1.50	2.04	1.75	2.19	2.04	2.44	---	
23	3.13	4.03	2.45	2.15	1.41	1.82	1.58	1.67	2.14	2.35	---	
24	3.14	3.93	2.75	2.02	1.29	1.77	1.19	2.00	2.12	2.64	---	
25	3.20	3.40	2.39	1.78	1.30	1.74	1.49	1.90	2.02	2.10	---	
26	3.39	3.08	2.16	1.48	1.09	1.40	1.50	2.15	2.28	2.19	---	
27	3.13	2.74	2.07	1.34	.99	1.63	1.43	2.04	2.51	2.40	---	
28	2.83	2.64	1.96	1.49	.90	1.42	1.63	2.28	2.40	2.53	---	
29	2.66	2.35	1.87	1.54	---	1.21	1.64	2.43	2.33	2.53	---	
30	2.60	2.32	1.77	1.46	---	1.22	1.92	2.72	2.40	2.70	---	
31	2.48	---	1.67	1.43	---	1.29	---	2.74	---	2.68	---	
MEAN	2.76	2.82	2.30	2.12	1.70	1.73	1.72	2.18	2.00	2.14	---	
MAX	3.39	4.03	2.76	2.60	2.31	2.28	2.12	2.74	2.67	2.70	---	
MIN	2.35	2.22	1.67	1.34	.90	1.14	1.19	1.67	1.50	1.46	---	

CAL YR 1984 MEAN .39 MAX 4.03 MIN -1.29

261953080054900 EL RIO CANAL, SW 18TH STREET, BOCA RATON, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.15	.47	.24	-.19	-.30	-.64	-.84	-.62	-.78	-.71	-.17	
2	.30	.49	.09	-.37	-.65	-.78	-.96	-.80	-.95	-.92	-.08	
3	.31	1.00	.25	.05	-.94	-.27	-.96	-.94	-.99	-.88	.08	
4	.30	.85	-.06	-.41	-.95	-.60	-.99	-1.05	-.98	-.75	.17	
5	.19	.52	-.08	-.46	-.93	-.80	-.99	-.95	-.89	-.68	.29	
6	.09	.22	-.27	-.45	-.95	-.93	-1.01	-.98	-.85	-.52	.34	
7	.06	.26	-.54	-.59	-.81	-.92	-1.04	-.92	-.65	-.68	---	
8	.23	.33	-.61	-.60	-.77	-.95	-1.02	-.92	-.59	-.72	---	
9	.25	.31	-.48	-.48	-.61	-.95	-1.00	-.82	-.64	-.62	---	
10	.24	.14	-.69	-.52	-.53	-.95	-.92	-.69	-.56	-.43	---	
11	.17	.02	-.51	-.48	-.59	-.97	-.69	-.43	-.53	-.53	---	
12	.19	-.11	-.44	-.24	-.76	-.95	-.33	-.19	-.50	-.47	---	
13	.19	-.15	-.30	-.02	-.86	-.95	-.20	-.25	-.58	-.52	---	
14	.30	-.13	-.37	-.22	-.81	-.89	-.39	-.24	-.66	-.54	---	
15	.41	.07	-.13	-.40	-.39	-.72	-.23	-.33	-.56	-.42	---	
16	.54	.12	-.25	-.55	-.85	-.39	-.03	-.17	-.88	-.40	---	
17	.43	.05	-.40	-.04	-.94	-.66	-.31	.00	-1.11	-.35	---	
18	.35	.20	.05	-.54	-.94	-.50	-.63	-.12	-1.05	-.32	---	
19	.34	-.01	-.52	-.44	-.94	-.59	-.78	-.34	-.89	-.04	---	
20	.36	-.34	-.60	-.59	-.94	-.70	-.89	-.45	-.76	-.34	---	
21	.23	-.35	-.63	-.66	-.84	-.39	-.83	-.41	-.66	-.10	---	
22	.02	.12	-.65	-.86	-.83	-.54	-.68	-.45	-.53	-.05	---	
23	-.09	.93	-.78	-.66	-.75	-.67	-.86	-.51	-.48	-.02	---	
24	-.25	.81	-.42	-.56	-.73	-.73	-.82	-.26	-.43	1.26	---	
25	-.19	.53	-.39	-.53	-.93	-.68	-.76	-.39	-.43	.66	---	
26	-.16	.19	-.32	-.55	-.95	-.63	-.73	-.14	-.36	.37	---	
27	-.15	.28	-.12	-.60	-.94	-.66	-.55	-.14	-.37	.28	---	
28	-.20	.23	-.08	-.34	-.74	-.78	-.43	.09	-.58	-.43	---	
29	-.06	.28	-.04	-.46	---	-.76	-.43	-.18	-.63	-.14	---	
30	.19	.36	-.27	-.52	---	-.79	-.33	-.37	-.90	-.20	---	
31	.32	---	-.03	-.73	---	-.94	---	-.54	---	-.30	---	
MEAN	.16	.26	-.30	-.45	-.79	-.73	-.69	-.47	-.69	-.31	---	
MAX	.54	1.00	.25	.05	-.30	-.27	-.03	.09	-.36	1.26	---	
MIN	-.25	-.35	-.78	-.86	-.95	-.97	-1.04	-1.05	-1.11	-.92	---	

261952080074500 E-3 CANAL, SW 18TH ST., BOCA RATON, FL

LOCATION.--Lat 26°19'52", long 80°07'45", in NW¼ sec.35, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, .7 mi west, 1.5 mi south of I-95, Palmetto Park Road exit in Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 adjustment of 1972.

REMARKS.--Records good. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.79 ft May 4, 1982; minimum, 6.66 ft May 30, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.36 ft July 24; minimum, 8.84 ft Apr. 9.

REVISIONS.--Extremes for period of record maximum gage height corrected.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.50	9.31	9.39	9.22	9.22	9.31	9.44	9.44	9.24	9.67	9.68	9.53
2	9.49	9.31	9.27	9.23	9.36	9.35	9.46	9.47	9.24	9.69	9.69	9.46
3	9.47	9.52	9.30	9.26	9.45	9.42	9.52	9.42	9.23	9.64	9.72	9.47
4	9.44	9.34	9.51	9.31	9.51	9.40	9.48	9.42	9.16	9.17	9.68	9.29
5	9.40	9.28	9.56	9.34	9.52	9.38	9.38	9.49	9.21	9.19	9.66	9.39
6	9.38	9.44	9.56	9.35	9.54	9.39	9.20	9.55	9.22	9.50	9.68	9.48
7	9.33	9.45	9.59	9.35	9.53	9.42	8.96	9.63	9.21	9.58	9.70	9.69
8	9.34	9.55	9.57	9.37	9.53	9.41	8.96	9.68	9.20	9.56	9.73	9.68
9	9.39	9.63	9.56	9.36	9.58	9.41	8.91	9.63	9.16	9.48	9.77	9.68
10	9.46	9.64	9.53	9.35	9.58	9.42	8.97	9.46	9.15	9.35	9.71	9.66
11	9.41	9.64	9.52	9.35	9.42	9.42	8.95	9.39	9.23	9.38	9.68	9.65
12	9.34	9.61	9.51	9.33	9.45	9.40	8.96	9.33	9.33	9.38	9.66	9.69
13	9.31	9.57	9.47	9.31	9.46	9.39	9.33	9.21	9.42	9.46	9.72	9.68
14	9.29	9.53	9.44	9.27	9.44	9.43	9.24	9.16	9.45	9.55	9.68	9.63
15	9.30	9.46	9.42	9.24	9.45	9.40	9.50	9.29	9.40	9.60	9.67	9.34
16	9.31	9.42	9.38	9.23	9.44	9.35	9.62	9.31	9.40	9.64	9.68	9.39
17	9.29	9.39	9.36	9.22	9.43	9.28	9.63	9.39	9.34	9.64	9.67	9.38
18	9.27	9.33	9.30	9.24	9.43	9.25	9.62	9.41	9.25	9.40	9.65	9.81
19	9.25	9.29	9.23	9.28	9.43	9.15	9.64	9.33	9.20	9.46	9.59	9.76
20	9.23	9.26	9.27	9.33	9.44	9.17	9.65	9.39	9.30	9.42	9.48	9.67
21	9.21	9.27	9.29	9.37	9.41	9.25	9.64	9.65	9.35	9.36	9.45	9.62
22	9.22	9.26	9.29	9.39	9.37	9.44	9.56	9.50	9.46	9.47	9.48	9.66
23	9.30	9.36	9.30	9.42	9.35	9.40	9.57	9.45	9.59	9.77	9.48	9.75
24	9.32	9.37	9.30	9.42	9.33	9.35	9.55	9.39	9.53	9.99	9.45	9.72
25	9.33	9.35	9.30	9.39	9.34	9.37	9.51	9.40	9.59	9.69	9.42	9.70
26	9.35	9.46	9.30	9.36	9.32	9.33	9.43	9.40	9.61	9.80	9.35	9.70
27	9.27	9.55	9.32	9.33	9.33	9.44	9.36	9.37	9.64	9.70	9.53	9.69
28	9.26	9.39	9.31	9.31	9.22	9.47	9.36	9.31	9.60	9.62	9.70	9.66
29	9.25	9.36	9.29	9.28	---	9.45	9.31	9.23	9.53	9.62	9.70	9.67
30	9.30	9.35	9.26	9.24	---	9.36	9.36	9.17	9.55	9.69	9.67	9.72
31	9.28	---	9.24	9.22	---	9.40	---	9.23	---	9.69	9.61	---
MEAN	9.33	9.42	9.39	9.31	9.42	9.37	9.37	9.40	9.36	9.55	9.62	9.61
MAX	9.50	9.64	9.59	9.42	9.58	9.47	9.65	9.68	9.64	9.99	9.77	9.81
MIN	9.21	9.26	9.23	9.22	9.22	9.15	8.91	9.16	9.15	9.17	9.35	9.29

CAL YR 1984 MEAN 9.22 MAX 9.74 MIN 7.05
WTR YR 1985 MEAN 9.43 MAX 9.99 MIN 8.91

02281400 HILLSBORO CANAL NEAR MARGATE, FL

LOCATION.--Lat 26°19'48", long 80°12'45", in NW¼ sec.36, T.47 S., R.41 E., Broward County, Hydrologic Unit 03090202, on north side of Hillsboro Road, 0.7 mi west of U.S. Highway 441, and 5.1 mi north of Margate, Fla.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to current year.

GAGE.--Water-stage and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by regulation downstream at Deerfield Beach and usptream storage releases at control structure S-39. Negative figures indicate flow to the west.

AVERAGE DISCHARGE.--9 years (1977-85), 205 ft^3/s, 148,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft^3/s Apr. 27, 1979; maximum gage height, 12.88 ft Apr. 25, 1979; maximum daily reverse flow, 247 ft^3/s Apr. 25, 1979; minimum gage height, 4.15 ft May 20, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 681 ft^3/s July 24; maximum gage height, 10.41 ft Sept. 18; no flow on May 22, 23; minimum gage height, 5.37 ft Nov. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	e124	177	98	173	124	160	58	16	102	210	160
2	335	e127	163	94	177	97	79	88	35	92	263	160
3	192	e247	120	97	176	56	59	112	32	110	261	302
4	160	e298	81	74	143	72	121	115	46	122	248	313
5	88	e155	139	48	89	99	169	73	71	123	253	256
6	72	e87	136	60	156	111	133	21	115	67	265	255
7	34	e98	173	56	177	77	136	60	89	39	336	254
8	52	e141	202	80	149	64	118	101	85	42	394	247
9	43	82	153	110	115	101	49	113	100	44	476	255
10	95	129	160	134	186	94	104	49	72	40	430	261
11	96	82	156	134	173	84	206	13	28	76	352	217
12	151	128	167	129	179	82	114	19	6.5	50	330	202
13	140	189	162	127	202	97	240	103	2.5	109	263	225
14	139	182	118	130	208	131	291	167	26	179	215	303
15	129	172	105	134	193	143	335	117	52	206	237	448
16	161	165	98	161	183	142	331	93	13	246	181	407
17	146	101	93	167	148	54	128	57	14	211	123	402
18	123	84	101	84	163	23	45	24	26	262	131	462
19	103	123	108	83	147	67	40	11	26	398	170	657
20	152	102	112	130	130	183	15	35	34	70	247	643
21	49	206	113	218	173	119	23	116	54	339	77	643
22	138	265	99	216	209	246	84	.00	43	392	216	619
23	190	195	98	129	161	96	75	.00	41	400	175	570
24	210	213	97	88	82	104	75	13	13	681	111	464
25	188	120	92	126	67	81	95	3.3	17	624	112	405
26	158	9.3	98	145	101	111	115	15	78	602	100	361
27	130	99	91	146	94	148	90	7.7	60	679	290	307
28	87	125	97	153	106	165	86	59	71	386	304	259
29	158	134	115	156	---	155	84	19	33	196	250	288
30	188	91	108	186	---	167	20	24	64	154	231	352
31	e187	---	104	174	---	151	---	5.6	---	181	146	---
TOTAL	4365	4273.3	3836	3867	4260	3444	3620	1691.60	1363.0	7222	7397	10697
MEAN	141	142	124	125	152	111	121	54.6	45.4	233	239	357
MAX	335	298	202	218	209	246	335	167	115	681	476	657
MIN	34	9.3	81	48	67	23	15	.00	2.5	39	77	160
AC-FT	8660	8480	7610	7670	8450	6830	7180	3360	2700	14320	14670	21220

CAL YR 1984 TOTAL 70683.30 MEAN 193 MAX 780 MIN .00 AC-FT 140200
WTR YR 1985 TOTAL 56035.90 MEAN 154 MAX 681 MIN .00 AC-FT 111100

e Estimated

02281400 HILLSBORO CANAL NEAR MARGATE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.75	e7.74	7.90	7.61	7.52	7.42	7.61	8.04	7.63	7.84	8.07	7.92
2	8.01	e7.87	7.87	7.57	7.47	7.58	7.61	7.82	7.45	7.86	8.09	7.92
3	7.87	e7.42	7.86	7.61	7.50	7.77	7.76	7.27	7.32	7.87	8.00	7.97
4	7.37	e7.53	7.90	7.78	7.58	7.50	7.23	6.99	7.15	7.87	8.00	7.94
5	7.21	e7.78	7.72	7.90	7.67	7.26	7.18	7.74	7.04	7.86	8.00	7.86
6	7.15	e7.76	7.36	7.65	7.18	7.29	7.33	7.95	7.12	7.86	7.95	7.86
7	7.20	e7.31	7.13	7.25	7.11	7.53	7.50	7.82	7.47	7.88	7.96	7.85
8	7.31	e7.60	7.48	6.98	7.41	7.59	7.30	7.34	7.63	7.90	8.03	7.88
9	7.22	7.83	7.11	7.14	7.72	7.30	7.50	7.40	7.51	7.89	8.09	7.88
10	6.81	7.60	7.36	7.16	7.34	7.54	7.38	7.41	7.56	7.87	7.98	7.85
11	6.35	7.78	7.63	7.58	7.38	7.53	7.20	7.43	7.53	7.85	7.68	7.93
12	7.10	7.70	7.80	7.36	7.47	7.44	7.37	7.44	7.37	7.85	7.93	7.87
13	7.36	7.31	7.91	7.40	7.17	7.19	7.93	7.26	7.65	7.87	7.86	7.88
14	7.50	7.54	7.67	7.43	7.31	6.95	7.87	7.21	7.88	7.86	7.87	7.96
15	7.33	7.73	7.60	7.42	7.51	7.12	8.14	7.45	7.82	7.90	7.87	7.92
16	7.33	7.86	7.41	7.29	7.73	7.61	7.89	7.42	7.86	7.89	7.86	8.05
17	7.42	8.02	7.24	7.31	7.61	7.74	7.89	7.57	7.88	7.96	7.87	8.06
18	7.71	7.94	7.21	7.72	7.31	7.91	7.91	7.67	7.82	7.98	7.86	9.39
19	7.42	7.64	7.33	7.95	7.35	7.59	7.80	7.60	7.63	7.90	7.87	9.23
20	7.48	7.64	7.35	7.50	7.44	7.17	7.64	7.63	7.61	7.50	7.88	8.83
21	7.69	7.66	7.45	7.20	7.39	7.43	7.96	7.87	7.35	8.05	7.87	8.40
22	7.38	6.80	7.53	7.61	7.30	7.96	7.78	7.91	7.20	7.59	7.86	7.72
23	7.28	6.46	7.54	7.78	7.69	7.83	7.47	7.99	7.24	7.07	7.88	7.18
24	7.34	8.05	7.48	7.79	7.55	7.70	7.49	7.80	7.40	9.66	7.86	6.90
25	7.47	7.67	7.48	7.63	7.24	7.29	7.47	7.86	7.77	8.60	7.87	8.09
26	7.62	7.86	7.58	7.18	7.24	7.25	7.28	7.87	7.89	8.11	7.87	8.02
27	7.58	7.87	7.63	7.39	7.28	7.29	7.67	7.88	7.85	7.79	7.65	7.92
28	7.43	7.89	7.37	7.50	7.14	7.30	7.72	7.86	7.83	7.73	8.03	7.89
29	7.32	7.72	7.30	7.61	---	7.58	7.45	7.93	7.86	8.17	7.91	7.95
30	7.38	7.68	7.67	7.51	---	7.61	7.94	7.96	7.83	8.05	7.66	8.03
31	e7.59	---	7.72	7.47	---	7.61	---	7.86	---	8.02	7.87	---
MEAN	7.39	7.64	7.54	7.49	7.41	7.48	7.61	7.65	7.57	7.94	7.90	8.01
MAX	8.01	8.05	7.91	7.95	7.73	7.96	8.14	8.04	7.89	9.66	8.09	9.39
MIN	6.35	6.46	7.11	6.98	7.11	6.95	7.18	6.99	7.04	7.07	7.65	6.90

CAL YR 1984 MEAN 7.38 MAX 9.60 MIN 6.03
WTR YR 1985 MEAN 7.64 MAX 9.66 MIN 6.35

e Estimated

02281500 HILLSBORO CANAL NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°19'39", long 80°07'52", SW¼ sec.35, T.47 S., R.42 E., Broward County, Hydrologic Unit 03090202, at upstream end of lock chamber, 2 mi west of Deerfield Beach, and 4.4 mi east of State Highway 7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-78-2A: 1974-1975.

GAGE.--Water-stage recorder, sharp crested weir, and gate-opening indicator. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Auxiliary water-stage recorder at downstream end of lock. See WSP 1905 volum 2 for history of changes.

REMARKS.--Records poor. Flow regulated at station for irrigation and drainage and by flood-control levee, 11 mi upstream from station. Lock chamber not used for navigation. Pumps upstream from station divert water for irrigation during growing season. Since September 1952, flow materially affected by control structure 39, 11 mi upstream. Discharge computed from relation between discharge, head, submergence, and gate openings.

COOPERATION.--Stoplog and sluice-gate operation records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--45 years, 306 ft^3/s, 221,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,880 ft^3/s May 4, 1983; maximum gage height, 12.58 ft Dec. 24, 1957; no flow for several days in 1939, 1940, and 1959; minimum gage height, 0.77 ft Aug. 17, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,650 ft^3/s July 24; maximum gage height, 8.31 ft Sept. 17; minimum daily discharge, 20 ft^3/s estimated leakage, many days during year; minimum gage height, 2.19 ft Nov.23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	38	236	20	20	20	20	37	20	149	482	e59
2	419	106	e196	20	20	20	20	36	20	149	482	e61
3	303	460	e154	20	20	20	20	20	20	152	461	e368
4	175	413	e69	61	20	20	519	20	20	156	460	e365
5	32	150	e68	63	20	20	20	68	20	157	435	e302
6	20	20	20	20	20	20	20	20	20	104	e408	e265
7	20	20	20	20	20	20	20	20	20	65	e412	e264
8	60	20	20	20	20	20	20	20	20	64	e615	e220
9	54	20	20	20	20	20	20	20	20	64	e693	e299
10	66	20	20	20	20	20	20	20	20	64	e564	e242
11	20	20	20	20	20	20	20	20	20	105	e477	e133
12	20	20	20	20	20	20	20	20	20	66	e443	e47
13	20	20	20	20	20	20	367	20	20	159	e355	65
14	20	20	20	20	20	20	457	20	40	202	e274	281
15	20	20	20	20	20	20	585	20	58	289	e281	486
16	20	20	20	20	20	20	595	20	28	347	e224	432
17	20	20	20	20	20	20	233	20	20	364	e168	442
18	20	20	20	33	20	20	113	20	20	407	e168	843
19	20	20	20	61	20	20	61	20	20	645	e224	1030
20	20	26	20	33	20	20	20	e42	20	471	e330	1360
21	65	521	20	20	20	84	52	e213	20	450	e280	1240
22	50	607	20	20	20	335	84	69	20	691	e236	1070
23	20	315	20	46	20	121	20	36	20	1020	e175	927
24	20	346	20	39	20	20	20	171	20	1650	e130	646
25	20	307	20	20	20	20	20	196	20	1140	e133	426
26	177	79	20	20	20	20	20	245	111	1230	e75	363
27	180	151	20	20	20	20	20	192	108	1390	e428	e329
28	42	165	20	20	20	20	20	105	107	784	e449	e264
29	20	107	20	20	---	20	20	20	62	556	e341	e332
30	20	66	20	20	---	20	21	54	103	475	e239	e464
31	20	---	20	20	---	20	---	20	---	451	e73	---
TOTAL	2307	4137	1243	816	560	1100	3467	1824	1057	14016	10515	13625
MEAN	74.4	138	40.1	26.3	20.0	35.5	116	58.8	35.2	452	339	454
MAX	419	607	236	63	20	335	595	245	111	1650	693	1360
MIN	20	20	20	20	20	20	20	20	20	64	73	47
AC-FT	4580	8210	2470	1620	1110	2180	6880	3620	2100	27800	20860	27030

CAL YR 1984 TOTAL 78490 MEAN 214 MAX 1190 MIN 20 AC-FT 155700
WTR YR 1985 TOTAL 54667 MEAN 150 MAX 1650 MIN 20 AC-FT 108400

e Estimated

02281500 HILLSBORO CANAL NEAR DEERFIELD BEACH, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.47	7.58	7.63	7.54	7.41	7.35	7.50	7.98	7.61	7.68	7.48	7.83
2	7.24	7.68	7.63	7.50	7.37	7.53	7.55	7.75	7.43	7.69	7.45	7.83
3	6.94	7.23	7.68	7.55	7.39	7.73	7.72	7.17	7.31	7.70	7.48	7.52
4	6.95	7.34	7.80	7.71	7.50	7.44	7.15	6.93	7.14	7.70	7.45	7.51
5	7.09	7.62	7.59	7.83	7.62	7.20	7.07	7.64	6.98	7.68	7.47	7.53
6	7.09	7.62	7.29	7.60	7.10	7.23	7.24	7.90	7.03	7.75	7.50	7.57
7	7.09	7.17	7.04	7.21	7.01	7.45	7.41	7.74	7.40	7.82	7.49	7.55
8	7.21	7.45	7.39	6.93	7.34	7.53	7.21	7.25	7.56	7.84	7.18	7.64
9	7.24	7.78	7.01	7.08	7.66	7.23	7.44	7.32	7.43	7.83	7.02	7.57
10	7.15	7.52	7.26	7.10	7.24	7.48	7.28	7.34	7.51	7.82	7.25	7.57
11	6.65	7.71	7.54	7.51	7.29	7.47	7.06	7.37	7.50	7.75	7.00	7.79
12	6.33	7.64	7.71	7.30	7.41	7.39	7.27	7.38	7.36	7.79	7.47	7.79
13	7.18	7.21	7.83	7.34	7.07	7.13	7.45	7.17	7.65	7.70	7.50	7.79
14	7.32	7.42	7.59	7.37	7.21	6.85	7.16	7.08	7.86	7.63	7.59	7.60
15	7.21	7.61	7.53	7.36	7.41	7.03	7.06	7.35	7.78	7.57	7.58	7.05
16	7.19	7.75	7.34	7.20	7.63	7.50	6.66	7.34	7.85	7.47	7.64	7.46
17	7.30	7.95	7.18	7.22	7.52	7.69	7.58	7.51	7.87	7.53	7.71	7.54
18	7.62	7.88	7.15	7.65	7.21	7.88	7.74	7.62	7.80	7.47	7.70	6.46
19	7.37	7.57	7.27	7.90	7.26	7.53	7.65	7.54	7.61	6.54	7.65	4.37
20	7.32	7.55	7.30	7.43	7.35	7.07	7.55	7.56	7.59	6.09	7.57	3.94
21	7.57	6.52	7.39	7.10	7.27	7.29	7.88	7.73	7.32	7.49	7.58	3.59
22	7.25	4.90	7.47	7.50	7.15	7.58	7.66	7.85	7.18	6.12	7.60	3.08
23	7.14	5.24	7.48	7.70	7.59	7.70	7.40	7.97	7.21	4.33	7.71	2.81
24	7.18	7.76	7.42	7.74	7.48	7.64	7.42	7.48	7.38	5.12	7.75	3.92
25	7.33	7.42	7.41	7.57	7.19	7.23	7.39	7.61	7.75	3.23	7.75	7.52
26	7.39	7.74	7.50	7.09	7.19	7.16	7.20	7.55	7.78	3.44	7.79	7.57
27	7.39	7.68	7.55	7.29	7.23	7.19	7.60	7.66	7.75	3.79	6.66	7.57
28	7.29	7.69	7.30	7.41	7.09	7.19	7.66	7.74	7.74	5.58	7.47	7.64
29	7.17	7.56	7.23	7.51	---	7.46	7.40	7.92	7.81	7.37	7.50	7.62
30	7.23	7.56	7.60	7.41	---	7.49	7.89	7.93	7.73	7.49	7.35	7.52
31	7.44	---	7.65	7.36	---	7.49	---	7.85	---	7.44	7.78	---
MEAN	7.20	7.38	7.44	7.42	7.33	7.39	7.41	7.56	7.53	6.85	7.49	6.76
MAX	7.62	7.95	7.83	7.90	7.66	7.88	7.89	7.98	7.87	7.84	7.79	7.83
MIN	6.33	4.90	7.01	6.93	7.01	6.85	6.66	6.93	6.98	3.23	6.66	2.81

CAL YR 1984 MEAN 6.70 MAX 7.95 MIN 1.80
WTR YR 1985 MEAN 7.31 MAX 7.98 MIN 2.81

02281501 HILLSBORO CANAL BELOW DEERFIELD LOCKS, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°19'39", long 80°07'51", in SW¼ sec.35, T.47 S., R.42 E., Broward County, Hydrologic Unit 03090202, at downstream end of lock chamber, 2 mi west of Deerfield Beach, and 4.4 mi east of State Highway 7.

DRAINAGE.--Indeterminate.

PERIOD OF RECORD.--July 1947 to December 1949 (incomplete), January 1950 to January 1958 and December 1959 to current year (gage heights). Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. (U.S. Army Corps of Engineers bench mark). Prior to June 23, 1950, at site 500 ft downstream at same datum.

REMARKS.--Gage records water levels below lock and control structure. Stage is basically tidal, but is occasionally affected by control structure operation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.70 ft estimated, Oct 12, 1947; minimum, -1.78 ft Apr. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.50 ft Sept. 18; minimum, -1.37 ft Apr. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.63	1.53	1.50	.91	.43	e.30	.16	.79	.94	.74	1.63	e1.56
2	1.72	1.67	e1.40	.88	.47	e.38	.29	.75	.71	.68	1.68	e1.42
3	1.56	2.08	e1.57	.83	.37	e.53	.37	.57	.59	.71	1.56	e1.61
4	1.49	2.06	e1.35	.94	.40	e.55	.30	.51	.60	.79	1.69	e1.62
5	1.34	1.67	e1.35	1.00	.52	e.53	.35	.66	.56	.76	1.66	e1.65
6	1.30	1.48	e.87	.96	.57	e.48	.34	.62	.55	.60	e1.77	e1.44
7	1.32	1.64	.85	.97	.67	e.66	.27	e.65	.53	.46	e1.84	e1.32
8	1.42	1.67	.88	.97	.63	e.51	.20	e.51	.51	.39	e1.76	e1.35
9	1.56	1.63	.89	.93	.76	e.53	.22	e.55	.45	.58	e1.64	e1.37
10	1.46	1.48	.80	.95	.80	e.45	.31	e.47	.52	.66	e1.71	e1.46
11	1.52	1.36	.86	.85	.87	e.47	.44	e.57	.60	.65	e1.67	e1.43
12	1.47	1.19	.94	1.01	.54	e.33	.68	e.91	.66	.68	e1.50	e1.20
13	1.55	1.12	.99	1.25	.43	e.32	1.00	e.85	.59	.75	e1.40	1.13
14	1.58	1.06	.84	1.27	.50	e.35	.93	e.82	.58	.76	e1.35	1.49
15	1.66	1.25	1.03	1.06	.52	e.45	1.39	e.74	.62	.87	e1.44	2.10
16	1.69	1.25	1.07	1.01	.51	e.40	1.61	e1.01	.32	1.12	e1.34	2.21
17	1.61	1.28	1.03	.96	.39	e.59	.97	e1.17	.11	1.26	e1.31	1.87
18	1.55	1.42	1.14	.99	.30	e.71	.55	e1.13	.14	1.40	e1.46	3.69
19	1.60	1.33	1.00	1.01	.35	e.51	.51	e.97	.35	1.72	e1.55	4.11
20	1.68	1.27	1.03	.93	.34	.69	.40	e.84	.51	1.45	e1.52	3.67
21	1.62	1.74	1.04	.65	.31	1.02	.46	e.81	.55	1.49	e1.49	3.32
22	1.51	2.27	.87	.47	.30	1.14	.55	.81	.69	1.71	e1.45	2.82
23	1.48	2.47	.84	.69	.34	.70	.34	.75	.78	2.20	e1.37	2.57
24	1.43	2.40	1.10	.70	e.27	.46	.32	.88	.78	4.16	e1.31	2.21
25	1.47	2.01	.94	.52	e.16	.48	.27	.87	.80	3.06	e1.35	2.41
26	1.62	1.65	.85	.42	e.08	.50	.33	1.04	1.01	2.56	e1.32	2.29
27	1.51	1.61	.90	.39	e.06	.44	.42	1.10	1.17	2.39	e1.71	1.95
28	1.34	1.53	.91	.58	e.13	.25	.59	1.22	1.04	1.77	e1.88	1.99
29	1.31	1.35	.94	.57	---	.20	.63	1.15	.85	1.71	e1.96	1.89
30	1.41	1.37	.84	.55	---	.26	.84	1.24	.80	1.53	e1.75	1.90
31	1.44	---	.88	.45	---	.21	---	1.14	---	1.56	e1.72	---
MEAN	1.51	1.59	1.02	.83	.43	.50	.53	.84	.63	1.33	1.57	2.04
MAX	1.72	2.47	1.57	1.27	.87	1.14	1.61	1.24	1.17	4.16	1.96	4.11
MIN	1.30	1.06	.80	.39	.06	.20	.16	.47	.11	.39	1.31	1.13

CAL YR 1984 MEAN 1.13 MAX 4.74 MIN .02
WTR YR 1985 MEAN 1.07 MAX 4.16 MIN .06

e Estimated

02282100 CYPRESS CREEK CANAL AT S-37A, NEAR POMPANO BEACH, FL

LOCATION.--Lat 26°12'20", long 80°07'57", in NW¼ sec.11, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, near center of channel on upstream side of bridge on State Highway 811, 300 ft upstream from salinity-control structure 37A, 2.4 mi upstream from mouth, 2.8 mi downstream from control structure 37B, 3 mi southwest of Pompano Beach, and 3.5 mi downstream from Pompano Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1962 to September 1985 (discontinued).

GAGE.--Water-stage recorder and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation).

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. 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 mi upstream, and is occasionally reversed. Discharge computed from continuous velocity record obtained from electromagnetic velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--23 years, 131 ft^3/s, 94,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,950 ft^3/s Apr. 26, 1979; maximum gage height, 6.63 ft Oct. 15, 1965; no flow on some days each year; minimum gage height, -1.20 ft Feb. 13, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,000 ft^3/s July 23; maximum gage height, 4.68 ft Sept. 19; no flow for many days during the year; minimum gage height, 1.26 ft July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	.00	e100	.00	.00	.00	.00	.00	.00	176	327	.00
2	304	.00	e100	.00	.00	.00	.00	.00	.00	125	324	17
3	.00	e282	e250	.00	.00	.00	.00	.00	.00	118	203	363
4	.00	e131	e75	.00	.00	.00	.00	.00	.00	194	122	33
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	192	388	101
6	.00	e25	.00	.00	.00	.00	.00	.00	.00	.00	401	214
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	410	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	638	199
9	294	.00	.00	.00	.00	.00	.00	.00	.00	.00	628	344
10	97	.00	.00	.00	.00	.00	.00	.00	.00	.00	e301	78
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e275	91
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e125	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	469	e130	135
14	.00	.00	.00	.00	.00	.00	88	.00	.00	.00	75	271
15	.00	.00	.00	.00	.00	.00	194	.00	.00	260	49	135
16	.00	.00	.00	.00	.00	.00	173	.00	.00	46	257	279
17	.00	.00	.00	.00	.00	.00	27	.00	.00	305	.00	188
18	.00	.00	.00	.00	.00	.00	52	.00	.00	610	.00	340
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	721	257	753
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	e700	28	562
21	.00	190	.00	.00	.00	.00	.00	.00	.00	e700	124	382
22	.00	273	.00	.00	.00	.00	.00	.00	167	e700	172	275
23	.00	259	.00	.00	.00	.00	.00	.00	9.5	1000	.00	235
24	.00	127	.00	.00	.00	.00	.00	57	46	e800	.00	294
25	.00	113	.00	.00	.00	.00	.00	.00	268	e800	.00	280
26	.00	45	.00	.00	.00	.00	.00	38	281	513	45	202
27	.00	85	.00	.00	.00	.00	.00	.00	133	492	761	106
28	.00	136	.00	.00	.00	.00	.00	32	105	381	331	238
29	.00	.00	.00	.00	---	.00	.00	.00	120	470	135	174
30	.00	.00	.00	.00	---	.00	.00	.00	.00	210	.00	134
31	.00	---	.00	.00	---	.00	---	.00	---	238	60	---
TOTAL	871.00	1666.00	525.00	.00	.00	.00	534.00	127.00	1129.50	10220.00	6566.00	6423.00
MEAN	28.1	55.5	16.9	.000	.000	.000	17.8	4.10	37.7	330	212	214
MAX	304	282	250	.00	.00	.00	194	57	281	1000	761	753
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	1730	3300	1040	.00	.00	.00	1060	252	2240	20270	13020	12740

CAL YR 1984	TOTAL	58676.20	MEAN	160	MAX	896	MIN	.00	AC-FT 116400
WTR YR 1985	TOTAL	28061.50	MEAN	76.9	MAX	1000	MIN	.00	AC-FT 55660

e Estimated

02282100 CYPRESS CREEK CANAL AT S-37A, NEAR POMPANO BEACH, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.57	3.83	4.02	3.72	e3.66	3.50	3.48	3.74	3.57	3.64	3.47	3.93
2	3.64	3.86	3.51	3.70	e3.65	3.43	3.44	3.70	3.54	3.86	3.48	3.49
3	3.56	e3.83	3.72	3.69	e3.64	3.67	3.38	3.70	3.50	3.97	3.66	3.80
4	3.87	e3.52	3.34	3.73	e3.63	3.85	3.41	3.77	3.46	3.75	3.58	3.80
5	4.02	e4.08	3.78	3.73	e3.61	3.82	3.62	3.91	3.45	3.77	3.90	3.77
6	4.08	e3.92	4.00	3.70	e3.60	3.85	3.49	3.92	3.38	4.00	3.69	3.76
7	4.11	e3.79	4.06	3.66	e3.58	3.69	3.41	3.90	3.33	4.02	3.77	3.72
8	4.12	e4.09	4.09	3.64	e3.86	3.58	3.36	3.87	3.28	4.01	3.49	3.69
9	4.04	e4.20	4.11	e3.62	e4.00	3.53	3.32	3.84	3.26	4.01	3.66	3.66
10	3.31	e4.24	4.11	e3.57	e3.90	3.49	3.52	3.80	3.28	4.11	3.69	3.74
11	3.56	e4.26	4.08	e3.54	e3.84	3.52	3.53	3.76	3.31	4.06	3.84	3.54
12	3.72	e4.27	4.08	e3.52	3.73	3.91	3.41	3.72	3.64	4.04	3.78	4.00
13	3.80	e4.24	4.06	e3.48	3.61	3.72	3.52	3.68	3.90	3.84	3.79	4.12
14	3.83	e4.22	4.03	e3.46	3.52	3.60	3.72	3.64	4.18	3.40	3.72	3.47
15	3.83	4.21	4.01	e3.44	3.67	3.69	3.55	3.61	4.27	3.98	3.93	3.67
16	3.83	4.21	3.99	e3.42	3.86	3.90	3.18	3.57	4.17	3.96	3.82	3.82
17	3.83	4.18	3.97	e3.70	3.68	3.82	3.61	3.53	4.09	3.74	3.83	3.71
18	3.82	4.17	3.95	e3.94	3.56	3.72	3.96	3.46	3.99	3.71	4.31	3.80
19	3.81	4.16	3.93	e3.96	3.71	3.61	4.26	3.44	3.91	3.73	3.69	3.52
20	3.86	4.14	3.92	e3.94	3.83	3.52	4.22	3.52	3.84	3.95	3.60	3.51
21	3.92	4.00	3.90	e3.92	3.69	3.48	4.16	3.77	3.78	3.68	3.87	3.82
22	3.91	3.89	3.87	e3.90	3.94	3.70	4.13	3.71	3.81	3.25	3.82	3.93
23	3.90	3.76	3.85	e3.89	3.74	3.76	4.07	3.63	3.54	3.40	3.81	3.49
24	3.88	3.58	3.83	e3.87	3.61	3.72	4.02	3.55	4.10	3.57	4.17	3.95
25	3.86	3.74	3.81	e3.85	3.51	3.66	3.96	3.58	3.72	3.49	4.37	3.86
26	3.94	4.00	3.80	e3.82	3.65	3.57	3.90	4.04	3.68	3.86	3.82	3.56
27	3.95	4.16	3.81	e3.78	3.83	3.76	3.85	4.12	3.90	4.04	3.45	3.82
28	3.94	3.71	3.82	e3.76	3.62	3.82	3.81	3.61	3.97	3.60	3.57	4.03
29	3.91	3.98	3.79	e3.74	---	3.68	3.77	3.62	3.49	3.60	3.48	3.58
30	3.87	4.32	3.77	e3.70	---	3.59	3.79	3.62	3.44	3.50	4.08	3.89
31	3.83	---	3.75	e3.68	---	3.52	---	3.61	---	3.55	3.50	---
MEAN	3.84	4.02	3.90	3.71	3.70	3.67	3.70	3.71	3.69	3.78	3.76	3.75
MAX	4.12	4.32	4.11	3.96	4.00	3.91	4.26	4.12	4.27	4.11	4.37	4.12
MIN	3.31	3.52	3.34	3.42	3.51	3.43	3.18	3.44	3.26	3.25	3.45	3.47

CAL YR 1984 MEAN 3.75 MAX 4.32 MIN 2.72
WTR YR 1985 MEAN 3.77 MAX 4.37 MIN 3.18

e Estimated

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°10'22", long 80°10'47", in NW¼ sec.20, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, 20 ft from south bank, 120 ft upstream from salinity-control structure 36, 1.5 mi east of bridge on U.S. Highway 441, and 5 mi west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to September 1961 (gage heights), October 1961 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Water-stage recorder, electromagnetic velocity meter recorder and since February 1985, gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Since Mar. 27, 1962, deflection vane recorder at same site.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Flow is at times affected by tide and occasionally reversed. Flow is regulated by operation of salinity-control structure 36. Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter after June 25, 1982.

COOPERATION.--Gage height and S-36 gate-operation records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--24 years, 61.6 ft^3/s, 44,630 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,490 ft^3/s Apr. 25, 1979; maximum gage height, 7.38 ft Dec. 27, 1958; maximum reverse flow, 61 ft^3/s Oct. 8, 1963; no flow for many days each year; minimum gage height, -0.53 ft June 28, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,110 ft^3/s July 23; maximum gage height, 5.34 ft June 24; no flow for many days; minimum gage height, 1.97 ft July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	411	.00	189	.00	.00	.00	.00	.00	.00	41	175	44
2	222	.00	198	.00	.00	.00	.00	.00	.00	108	133	94
3	173	214	171	.00	.00	.00	.00	.00	.00	151	71	286
4	18	308	175	.00	.00	.00	.00	.00	.00	146	118	64
5	.00	196	.00	.00	.00	.00	.00	.00	.00	99	187	244
6	.00	81	252	.00	.00	.00	.00	.00	.00	.00	218	149
7	.00	199	.00	.00	.00	.00	.00	.00	.00	.00	356	101
8	.00	83	155	.00	.00	.00	.00	.00	.00	.00	191	61
9	.00	142	.00	.00	.00	.00	.00	.00	.00	.00	171	287
10	.00	63	131	.00	.00	.00	.00	.00	.00	.00	258	110
11	.00	64	.00	.00	.00	.00	.00	.00	.00	.00	102	74
12	.00	224	.00	.00	.00	.00	.00	.00	.00	.00	91	82
13	59	.00	.00	.00	.00	.00	.00	.00	17	e247	137	170
14	170	.00	.00	.00	.00	.00	139	.00	13	e157	93	85
15	.00	.00	66	.00	.00	.00	356	.00	.00	.00	202	163
16	.00	201	219	.00	.00	.00	229	.00	.00	.00	179	90
17	48	.00	.00	.00	.00	.00	.00	.00	.00	.00	171	31
18	.00	.00	.00	.00	.00	.00	111	6.4	.00	e224	165	688
19	122	.00	.00	.00	.00	.00	49	24	.00	e228	74	556
20	25	.00	.00	.00	.00	.00	49	25	.00	e269	1.4	459
21	26	198	.00	.00	.00	.00	49	26	.00	e275	.00	408
22	26	30	.00	.00	.00	.00	21	12	.00	e261	155	230
23	14	204	.00	.00	.00	.00	.00	.00	.00	e1110	8.4	199
24	.00	60	.00	.00	.00	.00	.00	.00	46	e1010	98	196
25	88	213	.00	.00	.00	.00	.00	.00	106	e38	128	269
26	106	62	.00	.00	.00	.00	.00	.00	27	e33	40	53
27	.00	.00	.00	.00	.00	.00	.00	.00	25	.00	336	109
28	.00	218	.00	.00	.00	.00	.00	.00	26	.00	338	167
29	.00	.00	.00	.00	---	.00	.00	.00	27	144	228	138
30	.00	146	.00	.00	---	.00	.00	.00	174	215	90	115
31	132	---	.00	.00	---	.00	---	.00	---	181	181	---
TOTAL	1640.00	2906.00	1556.00	.00	.00	.00	1003.00	93.40	461.00	4937.00	4695.80	5722
MEAN	52.9	96.9	50.2	.000	.000	.000	33.4	3.01	15.4	159	151	191
MAX	411	308	252	.00	.00	.00	356	26	174	1110	356	688
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	31
AC-FT	3250	5760	3090	.00	.00	.00	1990	185	914	9790	9310	11350

CAL YR 1984 TOTAL 37164.50 MEAN 102 MAX 700 MIN .00 AC-FT 73720
WTR YR 1985 TOTAL 23014.20 MEAN 63.1 MAX 1110 MIN .00 AC-FT 45650

e Estimated

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.34	4.38	4.23	4.14	3.93	4.17	e4.57	4.78	4.96	4.98	3.98	4.48
2	4.17	4.55	4.20	4.14	3.94	4.25	e4.56	4.75	4.90	5.10	4.34	4.26
3	4.41	4.47	4.35	4.15	3.94	4.37	e4.58	4.72	4.82	4.78	4.30	4.24
4	4.46	4.28	4.44	4.20	3.93	4.45	e4.54	4.73	4.75	4.55	4.27	4.31
5	4.45	4.26	4.45	4.22	3.92	4.54	e4.48	4.98	4.68	4.38	4.18	4.02
6	4.45	4.44	4.27	4.22	3.92	4.62	e4.46	5.12	4.58	4.62	4.44	4.31
7	4.42	4.24	4.50	4.19	3.89	4.68	e4.48	5.11	4.51	4.69	4.17	4.39
8	4.38	4.56	4.39	4.17	3.89	4.77	e4.51	5.07	4.44	4.75	3.90	4.29
9	4.35	4.36	4.49	4.14	3.97	4.86	4.53	5.03	4.42	4.76	4.31	4.11
10	4.27	4.55	4.40	4.11	4.04	4.94	4.49	5.02	4.44	4.77	4.00	4.39
11	4.24	4.62	4.44	4.09	4.08	4.99	4.39	5.01	4.47	4.77	4.37	4.39
12	4.47	4.41	4.56	4.08	4.15	5.02	4.39	4.97	4.59	4.78	4.38	4.36
13	4.60	4.49	4.62	4.06	4.12	5.01	4.86	4.89	4.77	4.45	4.40	4.18
14	4.26	4.57	4.65	4.04	4.12	4.94	5.14	4.81	4.98	3.75	4.31	4.44
15	4.53	4.62	4.62	4.03	4.14	4.89	4.71	4.74	5.08	4.25	4.26	4.02
16	4.64	4.28	4.11	4.00	4.13	4.86	4.46	4.69	5.10	4.61	3.86	4.51
17	4.59	4.27	4.25	3.99	4.16	4.89	5.15	4.72	5.04	5.08	3.65	4.63
18	4.65	4.43	4.12	4.07	4.19	4.93	5.03	4.67	4.76	4.87	3.48	4.23
19	4.43	4.51	4.07	4.15	4.21	4.88	5.10	4.60	4.69	4.42	3.61	4.24
20	4.52	4.57	3.96	4.19	4.21	4.82	5.11	4.62	4.66	4.39	4.19	4.20
21	4.57	4.42	3.91	4.21	4.16	4.82	5.06	4.77	4.62	4.24	4.47	3.98
22	4.59	4.35	4.05	4.17	4.15	4.97	5.03	4.75	4.79	4.14	4.32	4.31
23	4.60	4.36	4.12	4.15	4.15	4.96	5.04	4.72	5.21	3.89	4.29	4.20
24	4.64	4.51	4.15	4.12	4.16	4.86	5.01	4.73	5.19	2.72	4.34	4.20
25	4.57	4.46	4.17	4.11	4.10	4.76	4.97	4.95	5.03	3.51	4.38	4.09
26	4.19	4.25	4.17	4.09	3.97	4.69	4.90	5.19	4.89	4.64	4.20	4.37
27	4.45	4.56	4.16	4.05	4.08	4.67	4.86	5.25	4.92	5.05	4.35	4.42
28	4.55	4.30	4.15	4.04	4.15	4.66	4.84	5.23	5.08	5.14	4.08	4.36
29	4.61	4.31	4.16	4.00	---	4.63	4.81	5.19	5.23	5.10	4.16	4.36
30	4.65	4.41	4.16	3.97	---	4.61	4.80	5.13	5.07	4.21	4.35	4.33
31	4.49	---	4.15	3.95	---	4.59	---	5.05	---	4.30	4.02	---
MEAN	4.47	4.43	4.27	4.10	4.06	4.75	4.76	4.90	4.82	4.51	4.17	4.29
MAX	4.65	4.62	4.65	4.22	4.21	5.02	5.15	5.25	5.23	5.14	4.47	4.63
MIN	4.17	4.24	3.91	3.95	3.89	4.17	4.39	4.60	4.42	2.72	3.48	3.98

CAL YR 1984 MEAN 4.47 MAX 5.48 MIN 3.91
WTR YR 1985 MEAN 4.46 MAX 5.25 MIN 2.72

e Estimated

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°08'05", long 80°11'42", in SW¼ sec.31, T.49 S., R.42 E., Broward County, Hydrologic Unit 03090202, 15 ft streamward from left bank, 130 ft upstream from salinity-control structure 33, 0.5 mi east of bridge on U.S. Highway 441, 3 mi above mouth, and 4 mi west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to February 1962 (gage heights), March 1982 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Water-stage recorder, and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929. (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records poor. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by operation of salinity-control structure 33.

COOPERATION.--Gage readings were provided by South Florida Water Management District.

AVERAGE DISCHARGE.--23 years, 20.6 ft^3/s 14,920 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 614 ft^3/s Apr. 25, 1979; maximum gage height, 6.16 ft Apr. 25, 1979; maximum reverse flow, 157 ft^3/s Sept. 8, 1956; no flow on some days each year; minimum gage height, -0.82 ft Mar. 4, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 256 ft^3/s July 23; maximum gage height, 4.06 ft Sept. 18; no flow for many days; minimum gage height, 0.86 ft Aug. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	.00	16	.00	.00	.00	.00	.00	.00	10	e40	10
2	28	.00	.00	.00	.00	.00	.00	.00	.00	8.7	e40	.00
3	21	50	8.3	.00	.00	.00	.00	.00	.00	8.6	e40	42
4	15	.00	.00	.00	.00	.00	.00	.00	.00	6.4	e40	31
5	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	50
6	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	22
7	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	13
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	22
9	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	24
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e40	25
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e100	22
12	.00	.00	9.7	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e10	11
15	.00	.00	.00	.00	.00	.00	66	.00	.00	9.0	.00	.00
16	.00	.00	.00	.00	.00	.00	17	.00	.00	20	e10	19
17	.00	.00	.00	.00	.00	.00	8.7	.00	.00	27	.00	25
18	.00	.00	.00	.00	.00	.00	21	.00	.00	8.7	.00	170
19	8.6	.00	.00	.00	.00	.00	.00	.00	.00	29	11	134
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	41	11	104
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	38	.00	78
22	.00	.00	.00	.00	.00	.00	.00	.00	10	30	.00	86
23	.00	13	.00	.00	.00	.00	9.1	.00	.00	256	11	58
24	.00	.00	.00	.00	.00	.00	.00	.00	9.5	202	.00	53
25	.00	.00	.00	8.4	.00	.00	.00	11	19	146	.00	34
26	.00	.00	.00	.00	.00	.00	.00	.00	7.7	54	.00	36
27	.00	.00	.00	.00	.00	.00	.00	.00	21	30	50	20
28	.00	.00	.00	.00	.00	.00	.00	.00	9.8	39	64	24
29	.00	.00	.00	.00	---	.00	.00	.00	9.0	37	38	26
30	.00	10	.00	.00	---	.00	.00	.00	31	34	10	30
31	.00	---	.00	.00	---	.00	---	.00	---	22	10	---
TOTAL	143.60	73.00	34.00	8.40	.00	.00	121.80	11.00	117.00	1056.40	725.00	1180.00
MEAN	4.63	2.43	1.10	.27	.000	.000	4.06	.35	3.90	34.1	23.4	39.3
MAX	28	50	16	8.4	.00	.00	66	11	31	256	100	170
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	285	145	67	17	.00	.00	242	22	232	2100	1440	2340

CAL YR 1984 TOTAL 3468.60 MEAN 9.48 MAX 122 MIN .00 AC-FT 6880
WTR YR 1985 TOTAL 3470.20 MEAN 9.51 MAX 256 MIN .00 AC-FT 6880

e Estimated

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.44	3.55	3.46	3.03	3.34	2.88	2.65	2.96	3.44	3.45	3.42	3.48
2	3.39	3.58	3.56	3.02	3.30	2.87	2.61	2.93	3.38	3.45	3.43	3.61
3	3.48	3.36	3.53	3.04	3.28	2.85	2.59	2.89	3.31	3.45	3.42	3.39
4	3.42	3.38	3.56	3.10	3.25	2.84	2.54	2.90	3.22	3.53	3.40	3.40
5	3.41	3.53	3.59	3.13	3.24	2.84	2.50	3.05	3.14	3.49	3.43	3.38
6	3.49	3.60	3.59	3.16	3.24	2.84	2.48	3.05	3.05	3.53	3.39	3.47
7	3.51	3.59	3.54	3.17	3.23	2.93	2.46	3.03	2.99	3.59	3.38	3.44
8	3.58	3.57	3.51	3.17	3.23	2.95	2.44	2.98	2.92	3.51	3.38	3.48
9	3.45	3.53	3.47	3.16	3.17	2.98	2.44	2.94	2.87	3.40	3.41	3.42
10	3.56	3.51	3.42	3.14	3.11	3.03	2.41	2.90	2.88	3.33	3.45	3.44
11	3.58	3.50	3.38	3.15	3.09	3.06	2.38	2.88	2.85	3.26	2.10	3.48
12	3.57	3.46	3.32	3.05	3.13	3.07	2.46	2.85	2.94	3.23	3.10	3.54
13	3.58	3.41	3.27	2.98	3.09	3.06	2.88	2.86	3.08	3.25	3.51	3.49
14	3.57	3.36	3.23	2.95	3.04	3.04	3.43	2.81	3.36	3.43	3.45	3.45
15	3.56	3.31	3.18	2.94	2.97	3.06	3.47	2.74	3.38	3.43	3.59	3.56
16	3.54	3.31	3.15	3.04	2.93	3.01	3.46	2.76	3.36	3.47	3.50	3.46
17	3.50	3.29	3.19	3.00	2.90	3.07	3.50	2.89	3.32	3.45	3.53	3.42
18	3.45	3.24	3.12	3.12	2.86	3.13	3.48	2.84	3.33	3.44	3.56	3.44
19	3.32	3.21	3.06	3.20	2.83	3.12	3.56	2.80	3.30	3.43	3.49	3.31
20	3.36	3.21	3.04	3.34	2.80	3.07	3.60	2.79	3.35	3.42	3.33	3.34
21	3.39	3.33	3.03	3.42	2.74	3.05	3.55	2.88	3.32	3.42	3.43	3.35
22	3.39	3.46	3.01	3.41	2.74	3.13	3.51	2.92	3.38	3.42	3.51	3.35
23	3.39	3.43	3.00	3.40	2.73	3.08	3.34	2.93	3.51	3.34	3.40	3.36
24	3.45	3.50	3.02	3.40	2.69	3.02	3.30	2.95	3.52	3.32	3.48	3.38
25	3.45	3.55	3.05	3.32	2.64	2.95	3.26	3.12	3.37	3.35	3.54	3.20
26	3.51	3.56	3.06	3.33	2.65	2.87	3.21	3.54	3.47	3.37	3.52	3.44
27	3.52	3.57	3.08	3.36	2.79	2.83	3.15	3.45	3.47	3.40	3.38	3.43
28	3.52	3.59	3.12	3.37	2.88	2.80	3.10	3.44	3.47	3.41	3.37	3.57
29	3.51	3.59	3.10	3.36	---	2.82	3.04	3.50	3.54	3.41	3.39	3.44
30	3.51	3.52	3.06	3.33	---	2.75	3.01	3.54	3.42	3.43	3.46	3.47
31	3.49	---	3.04	3.32	---	2.69	---	3.51	---	3.39	3.50	---
MEAN	3.48	3.45	3.25	3.19	3.00	2.96	2.99	3.02	3.26	3.41	3.40	3.43
MAX	3.58	3.60	3.59	3.42	3.34	3.13	3.60	3.54	3.54	3.59	3.59	3.61
MIN	3.32	3.21	3.00	2.94	2.64	2.69	2.38	2.74	2.85	3.23	2.10	3.20

CAL YR 1984 MEAN 3.42 MAX 3.64 MIN 2.68
WTR YR 1985 MEAN 3.24 MAX 3.61 MIN 2.10

02283498 NORTH NEW RIVER CANAL AT S-2 AND HGS-4, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'55", in SW¼ sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 2 and hurricane gate structure 4, 500 ft upstream from Hillsboro Canal, and 2.7 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to September 1967 (gage heights), October 1967 to current year. Records of gage heights prior to October 1967 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-77-2A: 1974.

GAGE.--Dual graphic water-stage recorder in pump station 2, digital lake water-stage recorder in control house of lock and digital canal water-stage recorder in canal, east side of S-2, gate-opening indicator, and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 18, 1965, water-stage recorder at site 1,600 ft downstream at same datum. Electromagnetic velo- city meter and digital recorder in lock chamber.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Discharge is summation of HGS-4 flow and S-2 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 station No. 2 (negative figures indicate flow reversed). See records for North New River Canal below HGS-4, near South Bay (station 02283500) for table of daily gage height. Discharge computed from relation between discharge, head, gate openings, and pump tachometer.

COOPERATION.--S-2 pump record and HGS-4 gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--18 years, 31.7 ft^3/s, 22,970 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,440 ft^3/s Mar. 15, 1985; maximum gage height, 14.09 ft Sept. 28, 1962; maximum daily reverse flow, 4,900 ft^3/s Aug. 19, 1981; no flow for some days each year; minimum gage height, 6.98 ft observed Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,440 ft^3/s Mar. 15; maximum gage height, 13.27 ft Apr. 16; maximum daily reverse flow, 3,370 ft^3/s Sept. 20; no flow for many days; minimum gage height, 9.45 ft Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1520	979	.00	700	1110	2120	1640	.00	1850	.00	-1120	-665
2	-302	805	.00	704	1140	2330	592	548	1850	.00	-441	.00
3	.00	442	.00	704	1170	2320	.00	455	1790	.00	.00	-1390
4	.00	.00	.00	259	1160	2370	778	.00	2110	.00	.00	-869
5	.00	960	.00	.00	1130	2550	1460	823	2300	.00	.00	-1480
6	.00	1310	.00	.00	1150	2600	1680	1570	2250	.00	.00	-2710
7	.00	1020	90	823	1170	2530	1630	2080	2260	.00	.00	-1090
8	.00	809	228	1260	1260	2580	1090	2100	2180	.00	-1070	.00
9	.00	817	221	965	1180	2510	.00	2460	2170	.00	-1200	.00
10	.00	812	348	712	1150	2510	727	1680	1980	.00	-632	.00
11	538	807	697	722	683	2400	798	676	1830	.00	-610	.00
12	776	836	766	793	829	2810	.00	1220	1690	.00	-536	.00
13	561	833	394	792	1240	3400	.00	1630	521	.00	-639	-860
14	549	802	204	742	1230	3380	.00	2330	.00	-569	.00	-973
15	548	804	211	713	1120	3440	-476	2720	.00	-1430	.00	-1340
16	553	821	214	706	1150	3140	-2010	2580	.00	-2120	-123	-1960
17	558	822	590	706	1150	1550	-304	2680	.00	-2080	.00	-949
18	558	812	789	728	1150	671	.00	2710	749	-1280	.00	-1720
19	668	806	777	697	1140	959	.00	2540	904	-1120	.00	-3050
20	856	808	769	739	1090	2160	.00	1520	286	-2090	.00	-3370
21	830	301	761	1090	1120	1480	.00	238	.00	-2290	-572	-2320
22	824	.00	754	1390	1130	-652	.00	1010	.00	-1650	-1410	-1610
23	825	-838	747	512	1110	.00	596	1320	.00	-1590	-1670	-547
24	840	-572	725	.00	1100	.00	1120	419	.00	-2180	.00	.00
25	852	.00	720	.00	1110	.00	1070	118	.00	-2460	.00	.00
26	290	.00	593	.00	1100	546	1190	230	.00	-1940	.00	.00
27	.00	.00	452	.00	1080	889	1430	230	.00	-1360	-649	.00
28	.00	.00	641	714	1310	907	1480	834	.00	-1850	-1370	.00
29	878	.00	724	1220	---	1280	1890	1200	.00	-1070	-2060	.00
30	1240	.00	719	1160	---	1660	645	1560	.00	-1220	-1650	.00
31	1100	---	707	1120	---	1660	---	1810	---	.00	-690	---
TOTAL	12022.00	14996.00	13841.00	20671.00	31462	56100.00	17026.00	41291.00	26720.00	-28299.00	-16442.00	-26903.00
MEAN	388	500	446	667	1124	1810	568	1332	891	-913	-530	-897
MAX	1240	1310	789	1390	1310	3440	1890	2720	2300	.00	.00	.00
MIN	-1520	-838	.00	.00	683	-652	-2010	.00	.00	-2460	-2060	-3370
AC-FT	23850	29740	27450	41000	62400	111300	33770	81900	53000	-56130	-32610	-53360

CAL YR 1984 TOTAL 140915.00 MEAN 385 MAX 1540 MIN -3000 AC-FT 279500
WTR YR 1985 TOTAL 162485.00 MEAN 445 MAX 3440 MIN -3370 AC-FT 322300

02283498 NORTH NEW RIVER CANAL AT S-2 AND HGS-4, NEAR SOUTH BAY, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.33	15.77	15.55	15.05	14.40	14.03	13.43	13.09	12.30	11.92	12.57	12.73
2	16.51	15.79	15.50	15.06	14.46	14.08	13.65	12.99	12.28	11.99	12.56	13.13
3	16.37	15.66	15.52	15.01	14.53	14.12	13.58	12.91	12.27	12.01	12.57	13.16
4	16.28	15.72	15.49	15.31	14.54	13.85	13.28	13.08	12.20	11.97	12.65	13.21
5	16.22	15.80	15.45	15.34	14.44	13.92	13.19	13.03	12.15	11.88	12.57	13.25
6	16.23	16.15	15.66	15.17	14.49	13.99	13.32	13.00	12.07	11.86	12.55	13.36
7	16.24	16.16	15.94	15.08	14.58	13.88	13.33	12.95	11.97	11.88	12.58	13.39
8	16.30	15.81	15.62	15.02	15.03	13.80	13.45	12.88	11.85	11.95	12.54	13.41
9	16.34	15.69	15.47	15.08	14.68	13.77	13.70	12.85	11.83	11.96	12.59	13.43
10	16.29	15.54	15.45	14.99	14.36	13.76	13.26	12.84	11.77	11.86	12.66	13.44
11	16.29	15.53	15.39	14.99	14.19	13.71	13.08	13.00	11.72	11.83	12.67	13.45
12	16.23	15.78	15.39	15.37	14.66	13.64	13.13	12.82	11.72	11.88	12.69	13.48
13	16.15	15.76	15.35	15.14	14.62	13.66	13.16	12.80	11.65	11.89	12.69	13.50
14	16.06	15.54	15.36	14.94	14.42	13.54	13.17	12.79	11.86	11.93	12.74	13.78
15	16.03	15.37	15.35	14.95	14.38	13.57	13.21	12.79	11.80	11.96	12.74	13.77
16	16.00	15.37	15.35	14.91	14.27	13.60	13.44	12.61	11.79	12.01	12.75	13.68
17	16.02	15.37	15.35	14.72	14.22	13.62	13.47	12.72	11.86	12.02	12.76	13.62
18	15.97	15.26	15.35	14.87	14.24	14.15	13.36	12.67	11.82	12.05	12.81	13.94
19	15.93	15.26	15.33	14.86	14.24	13.62	13.33	12.53	11.80	12.11	12.76	14.03
20	15.89	15.36	15.31	14.88	14.23	13.42	13.33	12.35	11.84	12.18	12.78	14.13
21	15.87	15.37	15.27	15.33	14.15	13.29	13.35	12.44	11.83	12.20	12.81	14.22
22	15.89	15.93	15.26	15.10	14.06	13.54	13.20	12.48	11.84	12.18	12.90	14.25
23	15.87	16.66	15.28	14.73	14.03	13.67	13.17	12.40	11.90	12.02	12.93	14.31
24	15.89	15.99	15.22	14.66	13.99	13.63	13.16	12.50	11.89	12.27	12.83	14.37
25	15.97	15.59	15.24	14.61	14.04	13.66	13.15	12.49	11.79	12.41	12.82	14.47
26	15.86	15.48	15.21	14.89	14.04	13.56	13.09	12.57	11.82	12.45	12.87	14.48
27	15.77	15.46	15.19	14.72	14.01	13.39	13.06	12.53	11.86	12.50	12.98	14.39
28	15.78	15.49	15.16	14.58	13.99	13.38	13.09	12.43	11.91	12.53	12.95	14.42
29	15.79	15.59	15.14	14.66	---	13.40	13.15	12.34	11.83	12.56	12.87	14.36
30	15.81	15.53	15.15	14.52	---	13.35	13.22	12.37	11.80	12.55	12.93	14.38
31	15.80	---	15.09	14.44	---	13.40	---	12.33	---	12.58	12.55	---
MEAN	16.06	15.66	15.37	14.93	14.33	13.68	13.28	12.70	11.90	12.11	12.73	13.78
MAX	16.51	16.66	15.94	15.37	15.03	14.15	13.70	13.09	12.30	12.58	12.98	14.48
MIN	15.77	15.26	15.09	14.44	13.99	13.29	13.06	12.33	11.65	11.83	12.54	12.73

CAL YR 1984 MEAN 16.02 MAX 17.43 MIN 15.09
WTR YR 1985 MEAN 13.88 MAX 16.66 MIN 11.65

02283500 NORTH NEW RIVER CANAL BELOW HGS-4, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°41'50", long 80°42'50", in SW¼ sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, 30 ft from west bank, 800 ft downstream from Hillsboro Canal, 1,600 ft downstream from hurricane gate structure 4 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

REVISED RECORD.--WDR FL-77-2A: 1974, 1975.

GAGE.--Water-stage recorder at pump station 2. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Jan. 18, 1954, water-stage and deflection vane recorder at site 1,600 ft downstream at same datum. Jan. 19, 1965, to Sept. 30, 1967 deflection vane recorder at site 1,600 ft downstream.

REMARKS.--No estimated daily discharges. Records poor. 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 (negative figures indicate flow reversed). Discharge is the difference in flow between North New River Canal at S-2 and HGS-4 and Hillsboro Canal below HGS-4.

AVERAGE DISCHARGE.--28 years, 68.5 ft^3/s, 49,630 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,100 ft^3/s June 16, 1977; maximum gage height, 14.09 ft Sept. 28, 1962; maximum daily reverse flow, 3,190 ft^3/s Aug. 19, 1981; minimum gage height, 6.98 ft observed Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,860 ft^3/s Mar. 3; maximum gage height, 13.27 ft Apr. 16; maximum daily reverse flow, 3,010 ft^3/s Sept. 20; minimum gage height, 9.45 ft Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1290	671	-22	507	888	1640	1150	221	1080	15	-736	-490
2	-277	507	1.7	519	870	1810	371	506	1230	-288	-403	97
3	-170	398	-33	489	942	1860	98	451	1040	-106	-160	-872
4	-125	159	-75	158	918	1610	659	166	439	-5.7	-163	-547
5	-87	649	-44	-21	871	1230	1090	733	-606	192	-125	-914
6	-78	898	117	62	996	1290	1170	1170	-414	85	-50	-2620
7	-72	741	49	611	867	1830	1240	1440	-168	62	13	-855
8	-49	611	131	916	984	1610	707	1490	-191	75	-545	81
9	-16	605	95	716	942	1600	-17	190	-200	129	-859	76
10	56	589	187	525	966	1680	555	-617	-141	86	-462	30
11	394	598	398	455	643	1520	658	703	63	56	-463	-16
12	481	635	477	508	718	1560	48	982	231	81	-234	42
13	377	641	286	603	1050	1550	208	1060	216	-32	-330	-485
14	380	595	182	625	1160	1360	230	140	40	-528	-12	-587
15	370	642	204	584	1070	1550	-282	-1340	-34	-1110	-33	-768
16	339	632	241	533	1110	1190	-1800	-990	-69	-1490	-77	-1330
17	324	633	493	538	1120	563	-238	-842	-9.9	-1600	80	-713
18	363	627	586	597	997	705	63	-583	447	-905	21	-1140
19	413	603	568	482	833	922	14	-216	375	-756	-94	-1970
20	528	640	548	560	828	1240	21	-17	20	-1840	-104	-3010
21	579	290	549	903	854	168	20	173	-153	-2070	-403	-2120
22	587	268	540	1280	879	-569	19	759	-112	-1530	-817	-1500
23	639	-188	563	514	816	35	506	1030	-46	-1510	-1010	-454
24	657	-166	548	121	825	40	861	645	-27	-2110	51	68
25	678	100	548	101	843	20	902	514	-97	-2350	-34	-3.0
26	312	47	468	70	840	522	1030	454	-59	-1860	8.4	-9.5
27	67	25	380	76	828	834	1250	232	-55	-1300	-296	-4.1
28	88	47	482	597	989	840	1280	670	-5.7	-1770	-792	-14
29	693	29	529	1000	---	1120	1480	976	94	-1040	-1460	7.1
30	908	5.5	523	952	---	1350	634	1090	100	-1130	-1390	-5.6
31	817	---	506	924	---	1350	---	1160	---	-30	-578	---
TOTAL	7886	12531.5	10025.7	16505	25647	34030	13927	12350	2987.4	-24579.7	-11456.6	-20026.1
MEAN	254	418	323	532	916	1098	464	398	99.6	-793	-370	-668
MAX	908	898	586	1280	1160	1860	1480	1490	1230	192	80	97
MIN	-1290	-188	-75	-21	643	-569	-1800	-1340	-606	-2350	-1460	-3010
AC-FT	15640	24860	19890	32740	50870	67500	27620	24500	5930	-48750	-22720	-39720

CAL YR 1984 TOTAL 109739.80 MEAN 300 MAX 1130 MIN -2520 AC-FT 217700
WTR YR 1985 TOTAL 79827.20 MEAN 219 MAX 1860 MIN -3010 AC-FT 158300

02283500 NORTH NEW RIVER CANAL BELOW HGS-4, NEAR SOUTH BAY, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.03	11.88	10.59	11.89	11.79	12.29	11.93	11.72	11.60	11.43	11.07	11.53
2	10.30	11.74	11.05	11.86	11.68	12.32	11.46	11.16	11.57	11.73	10.49	12.21
3	11.09	11.71	11.22	11.81	11.63	12.40	10.69	11.11	11.61	11.51	11.15	11.56
4	11.21	10.87	11.06	11.85	11.67	12.64	10.57	10.10	11.61	10.46	11.36	10.77
5	11.03	10.81	10.86	11.15	11.71	12.85	11.43	10.22	11.77	10.36	11.45	11.48
6	10.96	12.00	10.92	10.54	11.68	12.89	11.72	11.31	11.70	11.05	11.64	10.80
7	10.79	11.94	10.85	10.80	11.64	12.83	11.83	11.79	11.59	10.89	11.74	10.96
8	10.90	11.71	10.68	11.72	11.72	12.69	11.69	12.05	11.48	11.04	11.74	11.86
9	11.08	11.49	10.71	11.90	11.70	12.72	10.70	12.26	11.47	11.29	10.51	12.33
10	10.90	11.38	10.81	11.71	11.56	12.71	10.80	11.92	11.46	11.31	11.03	11.57
11	10.98	11.41	11.25	11.63	11.37	12.74	11.21	10.44	11.45	10.98	10.72	10.96
12	11.38	11.40	11.65	11.37	11.05	12.79	10.38	10.59	11.48	11.00	10.98	11.62
13	11.30	11.41	11.56	11.11	11.34	13.00	10.61	11.41	11.25	11.31	11.02	11.72
14	11.38	11.46	11.23	11.37	11.23	12.88	11.08	11.91	11.42	11.25	11.37	10.47
15	11.35	11.26	10.91	11.66	11.70	12.89	11.66	12.30	10.88	10.76	11.51	11.27
16	11.22	11.08	10.77	11.68	11.43	13.03	11.29	12.16	10.92	10.48	11.67	10.40
17	11.16	11.06	10.97	11.46	11.41	12.51	10.72	12.24	10.62	10.02	11.59	10.04
18	11.10	11.04	11.39	11.42	11.43	11.58	11.19	12.18	10.76	9.76	11.57	11.19
19	11.09	11.11	11.49	11.70	11.45	11.62	11.75	12.08	11.27	10.22	11.69	11.52
20	11.32	11.20	11.55	11.33	11.68	12.44	11.54	11.64	11.38	10.38	11.92	10.22
21	11.56	11.22	11.57	11.01	11.46	12.56	11.24	10.72	11.34	10.22	11.75	9.89
22	11.65	10.79	11.64	11.07	11.33	11.16	10.94	10.50	11.46	10.21	11.74	9.81
23	11.62	11.42	11.72	11.49	11.39	11.57	10.73	11.30	11.53	10.06	10.35	11.00
24	11.49	10.77	11.85	11.59	11.38	11.05	11.59	11.84	11.25	10.15	11.67	10.81
25	11.45	10.45	11.92	11.57	11.39	10.81	11.71	11.84	11.24	9.95	11.80	11.40
26	11.39	10.94	11.97	10.94	11.43	10.85	11.65	10.33	11.12	9.81	11.80	11.63
27	11.08	11.34	11.84	10.59	11.52	11.13	11.57	10.26	11.10	10.24	11.42	11.81
28	10.65	11.53	11.65	10.82	12.02	11.03	11.49	10.41	11.11	9.92	11.40	11.82
29	10.76	11.20	11.78	11.51	---	11.14	11.77	10.98	10.91	10.61	10.44	12.01
30	11.70	10.71	11.83	11.67	---	11.80	12.35	11.11	10.88	10.33	10.06	11.79
31	11.79	---	11.88	11.76	---	11.85	---	11.41	---	11.22	10.44	---
MEAN	11.15	11.28	11.33	11.42	11.53	12.15	11.31	11.33	11.31	10.64	11.26	11.22
MAX	11.79	12.00	11.97	11.90	12.02	13.03	12.35	12.30	11.77	11.73	11.92	12.33
MIN	10.03	10.45	10.59	10.54	11.05	10.81	10.38	10.10	10.62	9.76	10.06	9.81

CAL YR 1984 MEAN 11.35 MAX 12.55 MIN 10.03
WTR YR 1985 MEAN 11.33 MAX 13.03 MIN 9.76

02285000 NORTH NEW RIVER CANAL NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°05'39", long 80°13'48", in SW¼ sec.14, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, on left bank 20 ft upstream from lock and salinity-control structure on State Highway 84, and 6 mi southwest of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to September 1913 (discharge measurements), November 1939 to current year. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

GAGE.--Water-stage recorder and sharp crested weir. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Apr. 13, 1940, nonrecording gage at same site and datum. Dec. 9, 1959, to Sept. 30, 1967, deflection vane recorder near left bank 20 ft upstream from lock and dam. Auxiliary water-stage recorder at downstream end of lock chamber. Aug. 1, 1947, to July 20, 1950, auxiliary gage at site 500 ft downstream.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated at and above station by control structure 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 mi upstream. Discharge computed from relations between discharge, head, and submergence.

COOPERATION.--Stoplog record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--45 years, 379 ft^3/s, 274,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,280 ft^3/s Nov. 19, 1947; maximum gage height, 10.83 ft Oct. 17, 1947; no flow May 5, 6, 13, 15-20, 24-26, 1966; minimum gage height, 0.08 ft Aug. 13, 1978, July 19, 1982.

EXTREMES OUTSIDE OF PERIOD OF RECORD.--Flood of Oct. 15, 1929, reached a stage of 7.66 ft, present site and datum, discharge, 5,400 ft^3/s from records by Everglades Drainage District.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 840 ft^3/s, July 24; maximum gage height, 5.28 ft Apr. 15; minimum daily discharge, 3.0 ft^3/s estimated leakage many days throughout the year; minimum gage height, 2.18 ft July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	3.4	150	3.0	4.3	3.0	3.0	5.7	3.8	40	136	173
2	263	3.9	255	3.0	4.2	3.0	3.0	3.0	3.0	23	80	176
3	73	163	136	3.0	3.7	3.0	3.0	3.0	3.0	3.0	68	165
4	3.2	132	51	5.5	3.1	3.0	3.0	3.0	3.0	3.0	65	187
5	3.0	55	57	10	3.0	3.0	3.0	3.0	3.0	3.0	66	249
6	3.0	4.0	50	3.0	3.0	3.0	3.0	3.1	3.0	3.0	86	223
7	3.0	6.6	73	3.0	3.0	3.1	3.0	3.0	3.0	3.0	117	189
8	3.0	51	91	3.0	3.1	3.0	3.0	3.0	3.0	3.0	114	185
9	3.0	72	97	3.0	3.0	3.0	3.0	3.0	3.0	3.0	113	191
10	3.0	77	69	3.0	3.0	3.0	3.0	3.0	3.0	3.0	90	190
11	3.0	82	36	3.0	3.0	3.0	3.0	3.0	5.2	3.0	85	171
12	3.0	82	35	3.0	3.2	3.0	3.0	3.0	7.7	86	71	169
13	3.0	59	29	3.0	3.0	3.0	25	3.0	4.6	124	62	171
14	3.0	4.8	29	3.0	3.0	3.0	16	3.0	5.8	126	55	197
15	3.0	4.4	26	3.0	3.0	3.1	70	3.0	15	114	48	204
16	3.0	41	24	3.0	3.0	3.0	121	3.0	19	347	46	171
17	3.0	71	14	3.0	3.0	3.9	59	3.0	11	432	43	113
18	3.0	78	7.5	9.2	3.0	6.7	28	3.3	3.0	209	42	372
19	3.0	73	8.2	26	3.0	3.0	3.3	3.0	3.0	367	41	508
20	3.0	50	3.0	15	3.0	3.0	24	3.0	3.0	416	39	545
21	3.0	69	3.0	14	3.0	3.0	41	3.0	3.0	408	43	476
22	3.0	111	3.0	8.9	3.0	3.0	20	3.0	3.0	377	56	423
23	3.0	137	3.0	8.0	3.0	6.5	3.0	3.0	4.6	653	48	254
24	3.0	141	3.0	7.4	3.0	3.6	3.0	3.0	7.1	840	45	190
25	3.0	119	3.0	8.4	3.0	4.1	6.3	16	11	356	43	263
26	3.0	93	3.0	8.1	3.1	4.7	9.2	65	3.5	225	39	250
27	3.3	78	3.0	6.9	3.9	3.0	12	64	5.7	180	37	189
28	3.3	80	3.0	6.4	3.0	3.0	13	40	31	152	6.4	186
29	3.0	80	3.0	6.2	---	3.0	13	16	26	182	8.4	186
30	3.0	86	3.0	5.0	---	3.0	11	13	29	181	48	169
31	3.0	---	3.0	4.7	---	3.0	---	7.1	---	177	158	---
TOTAL	726.8	2107.1	1273.7	194.7	88.6	104.7	513.8	296.2	232.0	6042.0	1998.8	7135
MEAN	23.4	70.2	41.1	6.28	3.16	3.38	17.1	9.55	7.73	195	64.5	238
MAX	306	163	255	26	4.3	6.7	121	65	31	840	158	545
MIN	3.0	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.4	113
AC-FT	1440	4180	2530	386	176	208	1020	588	460	11980	3960	14150

CAL YR 1984	TOTAL	74362.6	MEAN	203	MAX	1250	MIN 3.0	AC-FT	147500
WTR YR 1985	TOTAL	20713.4	MEAN	56.7	MAX	840	MIN 3.0	AC-FT	41090

02285000 NORTH NEW RIVER CANAL NEAR FORT LAUDERDALE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.72	3.76	4.22	3.59	3.76	3.59	3.37	3.74	3.74	4.21	4.21	3.79
2	3.55	3.77	4.70	3.60	3.76	3.58	3.36	3.43	3.68	3.99	3.90	3.81
3	3.51	3.66	4.14	3.60	3.75	3.56	3.52	3.57	3.62	3.65	3.83	3.75
4	3.75	2.95	3.64	3.75	3.72	3.55	3.59	3.62	3.56	3.58	3.81	3.86
5	3.68	2.89	3.69	3.87	3.71	3.59	3.28	3.68	3.49	3.51	3.81	4.13
6	3.65	3.08	3.63	3.71	3.72	3.66	3.24	3.58	3.42	3.45	3.92	4.03
7	3.62	3.04	3.79	3.68	3.71	3.68	3.16	3.40	3.38	3.41	4.11	3.87
8	3.61	3.64	3.91	3.67	3.71	3.67	3.15	3.36	3.38	3.37	4.09	3.85
9	3.59	3.79	3.94	3.65	3.66	3.69	3.20	3.32	3.37	3.44	4.10	3.88
10	3.55	3.82	3.76	3.64	3.64	3.71	3.20	3.31	3.43	3.63	3.96	3.87
11	3.53	3.85	3.52	3.63	3.61	3.72	3.18	3.30	3.76	3.67	3.93	3.78
12	3.63	3.85	3.51	3.60	3.66	3.72	3.34	3.38	3.83	3.59	3.85	3.77
13	3.70	3.68	3.45	3.57	3.59	3.71	3.99	3.40	3.74	3.54	3.78	3.78
14	3.71	2.99	3.46	3.58	3.55	3.70	3.93	3.42	3.78	3.55	3.73	3.91
15	3.71	2.86	3.43	3.62	3.54	3.70	4.17	3.44	3.96	3.48	3.69	3.94
16	3.70	3.56	3.41	3.65	3.53	3.68	4.69	3.34	4.01	3.75	3.67	3.74
17	3.69	3.79	3.52	3.64	3.51	3.73	4.35	3.50	3.87	3.59	3.64	3.50
18	3.67	3.83	3.83	3.82	3.51	3.82	4.04	3.65	3.68	3.53	3.64	3.41
19	3.66	3.80	3.79	4.08	3.48	3.68	3.49	3.49	3.68	3.77	3.63	2.96
20	3.64	3.64	3.36	3.96	3.47	3.59	4.04	3.53	3.70	3.57	3.61	3.22
21	3.65	3.76	3.36	3.94	3.44	3.53	4.22	3.59	3.67	3.55	3.64	3.13
22	3.65	4.02	3.49	3.86	3.40	3.57	3.84	3.61	3.67	3.20	3.74	2.95
23	3.66	4.16	3.55	3.85	3.38	3.81	3.18	3.59	3.77	3.08	3.68	3.10
24	3.70	4.18	3.59	3.84	3.39	3.74	3.59	3.59	3.83	3.19	3.66	3.83
25	3.71	4.07	3.62	3.85	3.47	3.75	3.81	3.92	3.88	2.96	3.64	3.77
26	3.73	3.92	3.64	3.85	3.66	3.69	3.87	4.39	3.67	4.63	3.61	3.53
27	3.75	3.83	3.65	3.83	3.73	3.49	3.91	4.39	3.62	4.43	3.58	3.67
28	3.75	3.84	3.64	3.81	3.63	3.47	3.93	4.19	4.09	4.29	3.22	3.85
29	3.74	3.84	3.60	3.81	---	3.44	3.92	3.97	4.07	4.43	3.25	3.85
30	3.74	3.87	3.61	3.78	---	3.38	3.89	3.93	4.11	4.43	3.23	3.77
31	3.72	---	3.60	3.77	---	3.39	---	3.83	---	4.41	3.72	---
MEAN	3.67	3.66	3.68	3.75	3.60	3.63	3.68	3.63	3.72	3.71	3.74	3.68
MAX	3.75	4.18	4.70	4.08	3.76	3.82	4.69	4.39	4.11	4.63	4.21	4.13
MIN	3.51	2.86	3.36	3.57	3.38	3.38	3.15	3.30	3.37	2.96	3.22	2.95

CAL YR 1984 MEAN 3.65 MAX 4.70 MIN 2.50
WTR YR 1985 MEAN 3.68 MAX 4.70 MIN 2.86

02285001 NORTH NEW RIVER CANAL BELOW CONTROL NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°05'39", long 80°13'50", in SW¼ sec.14, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, at downstream end of lock chamber and salinity-control structure on State Highway 84, and 6 mi southwest of Fort Lauderdale.

DRAINAGE.--Indeterminate.

PERIOD OF RECORD.--October 1943 to July 1947 (fragmentary), August 1974 to current year, gage heights. Record of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Aug. 1, 1947, to July 20, 1950, water-stage recorder at site 300 ft downstream at same datum.

REMARKS.--Stage is basically tidal but is occasionally affected by operation of salinity-control structure during high flow. The stage record published is the maximum and minimum tide event for each calendar day.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.56 ft Oct. 19, 1947; minimum gage height, -1.33 ft Dec. 31, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 3.77 ft July 24; minimum gage height, -0.75 ft Apr. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.20	2.13	1.90	1.53	1.18	.81	.91	1.66	2.07	1.82	2.24	2.30
2	2.13	2.25	2.00	1.54	1.29	1.01	1.13	1.71	1.85	1.69	2.24	1.99
3	2.07	2.42	1.81	1.54	1.12	1.22	1.28	1.65	1.84	1.69	2.25	2.08
4	2.11	2.42	1.87	1.64	1.25	1.40	1.28	1.80	1.84	1.73	2.16	1.97
5	2.05	2.22	1.88	1.73	1.52	1.43	1.43	1.67	1.75	1.72	2.14	2.06
6	2.00	2.26	1.86	1.84	1.50	1.37	1.53	1.59	1.71	1.66	2.22	1.86
7	2.05	2.31	1.76	1.69	1.66	1.62	1.49	1.76	1.58	1.45	2.28	1.74
8	2.13	2.41	1.79	1.88	1.58	1.45	1.27	1.60	1.46	1.19	2.03	1.81
9	2.25	2.42	1.86	1.86	1.73	1.49	1.43	1.52	1.37	1.26	1.98	1.90
10	2.20	2.31	1.74	1.91	1.68	1.33	1.14	1.44	1.36	1.28	1.89	e1.98
11	2.25	2.30	1.76	1.76	1.69	1.43	1.03	1.45	1.43	1.29	1.88	e1.96
12	2.22	2.03	1.84	1.83	1.54	1.25	1.27	1.44	1.42	1.45	1.97	e1.97
13	2.30	1.92	1.93	1.98	1.29	1.03	1.30	1.60	1.38	1.43	1.92	e2.09
14	2.32	1.94	1.76	1.99	1.18	1.04	1.27	1.52	1.36	1.45	2.01	e2.14
15	2.37	2.00	1.96	1.88	1.23	1.03	1.67	1.67	1.44	1.64	2.13	e2.50
16	2.36	1.92	1.89	1.82	1.19	1.29	1.59	1.95	1.26	1.90	2.10	e2.59
17	2.30	2.10	1.80	1.72	1.22	1.36	1.59	2.11	1.19	2.25	2.16	e2.60
18	2.22	2.16	1.99	1.79	1.17	1.37	1.44	2.09	1.37	2.10	2.01	e3.28
19	2.38	2.10	1.79	1.90	1.18	1.30	1.37	1.87	1.51	1.92	2.18	e3.10
20	2.49	2.17	2.00	1.82	1.20	1.59	1.36	1.79	1.54	2.02	2.23	e2.86
21	2.41	2.40	2.07	1.60	1.12	1.76	1.32	1.73	1.37	2.12	2.22	e2.68
22	2.40	2.52	1.90	1.36	1.10	1.45	1.36	1.58	1.64	2.36	2.03	e2.62
23	2.60	2.92	1.84	1.58	1.04	1.33	1.42	1.67	1.63	3.59	2.01	e2.46
24	2.43	3.12	2.06	1.50	.98	1.30	1.23	1.54	1.61	3.77	2.01	e2.54
25	2.49	2.65	1.92	1.36	.88	1.35	1.08	1.55	1.76	2.10	1.95	e2.88
26	2.54	2.44	1.75	1.18	.73	1.29	1.12	1.63	1.85	2.01	2.09	e3.02
27	2.40	2.26	1.70	1.03	.65	1.24	1.14	1.75	1.94	2.06	2.47	e2.83
28	2.25	2.18	1.63	1.17	.64	1.01	1.40	1.89	1.85	2.06	2.58	e2.73
29	2.08	2.00	1.57	1.16	---	.97	1.41	2.03	1.89	2.01	2.50	e2.58
30	2.23	1.93	1.47	1.20	---	.83	1.57	2.18	1.95	2.09	2.33	e2.86
31	2.11	---	1.45	1.10	---	.86	---	2.19	---	2.18	2.31	---
MEAN	2.27	2.27	1.82	1.61	1.23	1.26	1.33	1.73	1.61	1.91	2.15	2.40
MAX	2.60	3.12	2.07	1.99	1.73	1.76	1.67	2.19	2.07	3.77	2.58	3.28
MIN	2.00	1.92	1.45	1.03	.64	.81	.91	1.44	1.19	1.19	1.88	1.74

CAL YR 1984 MEAN 1.78 MAX 3.56 MIN 1.01
WTR YR 1985 MEAN 1.80 MAX 3.77 MIN 0.64

02285001 NORTH NEW RIVER CANAL BELOW CONTROL NEAR FORT LAUDERDALE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.01	.81	.83	.20	-.37	-.42	-.66	-.07	-.03	-.21	.62	.54
2	1.00	1.01	.83	.12	-.26	-.42	-.61	-.22	-.24	-.10	.66	.42
3	.77	.94	.64	.06	-.62	-.45	-.47	-.42	-.32	-.17	.63	.58
4	.79	1.15	.41	.01	-.57	-.28	-.66	-.48	-.31	.05	.73	.58
5	.78	.92	.37	.00	-.46	-.38	-.70	-.50	-.27	-.02	.75	.79
6	.69	.82	.24	-.01	-.50	-.54	-.64	-.46	-.28	-.09	.87	.56
7	.63	.74	.05	-.22	-.30	-.44	-.75	-.43	-.21	-.16	.91	.53
8	.69	.85	-.08	-.08	-.24	-.55	-.69	-.33	-.15	-.19	.79	.52
9	.74	.83	.19	.02	-.05	-.52	-.72	-.20	-.16	-.21	.73	.53
10	.76	.69	-.05	.04	-.04	-.53	-.65	-.19	-.08	-.03	.73	e.58
11	.73	.66	.11	.05	-.10	-.60	-.42	-.03	-.01	-.13	.74	e.37
12	.66	.53	.09	.17	-.39	-.67	-.15	.02	-.09	.05	.44	e.37
13	.70	.45	.27	.32	-.52	-.60	-.04	.14	-.19	-.01	.33	e.33
14	.79	.30	.17	.25	-.53	-.55	-.07	.17	-.16	.17	.32	e.46
15	.86	.51	.28	.15	-.44	-.50	-.11	.13	-.21	-.03	.41	e.59
16	.97	.54	.19	.07	-.50	-.37	.21	.30	-.42	.24	.28	e.81
17	.89	.60	.22	-.10	-.45	-.21	-.06	.42	-.61	.99	.21	e.75
18	.84	.69	.14	-.06	-.53	-.17	-.15	.39	-.54	.25	.32	e1.12
19	.85	.53	-.03	.08	-.59	-.23	-.23	.21	-.35	.56	.39	e1.79
20	.94	.40	.04	-.06	-.50	-.21	-.41	.09	-.36	.68	.46	e1.61
21	.76	.34	.05	-.15	-.48	-.01	-.33	-.08	-.22	.83	.41	e1.30
22	.76	.63	-.11	-.34	-.51	-.15	-.35	-.02	-.05	1.11	.43	e1.11
23	.62	.90	-.18	-.25	-.48	-.31	-.45	-.03	-.01	1.87	.27	e1.15
24	.52	1.33	.14	-.17	-.50	-.32	-.46	-.04	.02	1.73	.29	e1.09
25	.52	.95	.08	-.18	-.62	-.27	-.39	.14	.48	.86	.36	e1.31
26	.57	.77	.02	-.27	-.67	-.28	-.33	.44	.24	.75	.20	e1.44
27	.54	.79	.18	-.29	-.71	-.38	-.16	.35	.25	.63	.71	e1.36
28	.54	.75	.16	-.14	-.57	-.47	-.17	.37	.08	.33	1.10	e1.27
29	.53	.64	.25	-.18	---	-.55	-.14	.40	-.12	.32	.94	e1.17
30	.66	.71	.11	-.26	---	-.55	-.02	.26	-.05	.32	.58	e1.19
31	.69	---	.20	-.33	---	-.60	---	.20	---	.37	.67	---
MEAN	.74	.73	.19	-.05	-.45	-.40	-.36	.02	-.15	.35	.56	0.87
MAX	1.01	1.33	.83	.32	-.04	-.01	.21	.44	.48	1.87	1.10	1.79
MIN	.52	.30	-.18	-.34	-.71	-.67	-.75	-.50	-.61	-.21	.20	0.33

CAL YR 1984 MEAN .22 MAX 2.94 MIN -0.75
WTR YR 1985 MEAN .17 MAX 1.87 MIN -0.75

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW¼ sec. 25, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, 18 ft from north bank, 150 ft upstream from pump station 13, 300 ft west of U.S. Highway 441, and 1.5 mi east of Davie.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

GAGE.--Dual water-stage recorder, deflection vane recorder, electromagnetic velocity meter, and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Flow is affected by tide and is occasionally reversed. Negative figures indicate reverse flow. Flow is regulated by pumpage and operation of gate at S-13. Flow is affected by regulation of control-structure 13A 5 mi upstream and by upstream withdrawals from the canal during the growing season and pumpage into the canal during high water. Discharge is computed from relation between head and gate-opening at S-13.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--28 years, 175 ft^3/s, 126,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,050 ft^3/s Jan. 25, 1963 and Oct. 12, 1964; maximum gage height, 4.02 ft Apr. 25, 1979; maximum reverse flow, 657 ft^3/s Sept. 12, 1962; no flow for some days in most years; minimum gage height, -0.79 ft July 14, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 777 ft^3/s July 24; maximum gage height, 2.87 ft July 24; no flow for some days during the year; minimum gage height, -0.12 ft Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	92	119	46	1.3	.00	22	24	31	211	192	134
2	248	87	215	48	1.2	.00	49	35	37	165	212	124
3	223	105	239	45	1.2	.00	31	25	43	241	193	178
4	206	128	66	52	.60	.00	.20	.00	14	210	180	265
5	176	244	171	42	.00	.00	.00	.00	.00	165	200	292
6	114	240	180	51	.00	.00	.00	.00	.00	140	283	257
7	142	86	144	34	78	.00	.00	.00	.00	116	309	171
8	129	107	35	26	64	9.6	23	.00	.00	113	389	154
9	119	113	46	67	38	6.5	6.3	29	.00	71	326	136
10	115	122	78	6.0	35	20	.00	.00	.00	110	268	113
11	91	132	76	32	34	.40	.00	23	131	101	216	122
12	107	139	72	33	1.1	.00	42	28	128	90	176	102
13	95	142	62	38	26	.00	169	.00	119	158	175	92
14	87	120	54	38	77	.00	205	29	156	174	136	100
15	93	107	60	43	.00	.00	219	.00	122	198	146	95
16	85	102	44	32	58	.00	268	.00	114	275	131	97
17	100	69	29	38	3.5	33	176	.00	74	420	118	100
18	84	57	43	53	.00	.00	156	.00	47	263	102	431
19	77	49	65	95	52	.00	124	.00	45	228	125	580
20	76	66	38	73	9.0	.00	96	.00	e53	203	126	580
21	74	69	57	25	1.6	15	120	.00	e61	174	113	478
22	141	97	44	64	29	53	116	.00	e64	268	84	394
23	102	85	41	55	32	5.2	96	.00	e35	626	107	215
24	78	271	59	45	32	5.4	43	29	e131	777	102	174
25	85	46	45	60	33	1.7	69	128	e205	683	73	206
26	87	87	63	54	34	.00	43	169	179	596	87	177
27	92	92	46	57	.70	.00	43	125	149	531	187	32
28	104	68	45	31	.00	.00	43	97	209	548	275	81
29	103	116	52	1.8	---	.00	43	60	144	371	259	116
30	90	91	51	1.2	---	.00	23	68	141	75	249	249
31	95	---	43	1.2	---	.00	---	48	---	179	132	---
TOTAL	3836	3329	2382	1287.2	642.20	149.80	2225.50	917.00	2432.00	8480	5671	6245
MEAN	124	111	76.8	41.5	22.9	4.83	74.2	29.6	81.1	274	183	208
MAX	418	271	239	95	78	53	268	169	209	777	389	580
MIN	74	46	29	1.2	.00	.00	.00	.00	.00	71	73	32
AC-FT	7610	6600	4720	2550	1270	297	4410	1820	4820	16820	11250	12390

CAL YR 1984 TOTAL 56906.00 MEAN 155 MAX 940 MIN .00 AC-FT 112900
WTR YR 1985 TOTAL 37596.70 MEAN 103 MAX 777 MIN .00 AC-FT 74570

e Estimated

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	1.62	1.67	1.59	1.89	1.61	1.68	1.57	1.62	1.54	1.63	1.60
2	.74	1.75	1.56	1.56	1.93	1.62	1.60	1.58	1.61	1.56	1.68	1.58
3	1.28	1.86	1.31	1.57	1.95	1.63	1.44	1.58	1.57	1.55	1.72	1.68
4	1.23	1.97	1.49	1.54	1.97	1.67	1.60	1.66	1.66	1.58	1.75	1.42
5	1.32	1.33	1.45	1.60	1.99	1.70	1.64	1.77	1.69	1.53	1.75	1.59
6	1.61	1.13	1.39	1.59	1.99	1.69	1.64	1.83	1.73	1.54	1.57	1.39
7	1.62	1.73	1.40	1.60	1.75	1.69	1.64	1.83	1.73	1.54	1.57	1.58
8	1.64	1.82	1.55	1.65	1.57	1.69	1.64	1.82	1.72	1.53	1.54	1.56
9	1.64	1.80	1.55	1.56	1.59	1.60	1.60	1.68	1.76	1.52	1.24	1.52
10	1.61	1.76	1.55	1.58	1.60	1.68	1.68	1.66	1.94	1.55	1.56	1.40
11	1.64	1.74	1.56	1.60	1.60	1.59	1.70	1.63	1.74	1.55	1.52	1.55
12	1.64	1.72	1.56	1.60	1.63	1.64	1.62	1.58	1.55	1.55	1.60	1.54
13	1.71	1.59	1.57	1.58	1.63	1.64	1.58	1.69	1.61	1.53	1.59	1.61
14	1.75	1.42	1.51	1.59	1.44	1.63	1.49	1.57	1.54	1.50	1.56	1.58
15	1.75	1.61	1.58	1.57	1.60	1.64	1.62	1.60	1.59	1.57	1.54	1.60
16	1.77	1.56	1.61	1.59	1.53	1.64	1.56	1.61	1.59	1.31	1.52	1.64
17	1.67	1.56	1.61	1.58	1.48	1.63	1.50	1.64	1.56	1.29	1.52	1.68
18	1.66	1.57	1.61	1.60	1.61	1.59	1.55	1.63	1.65	1.61	1.54	1.82
19	1.53	1.58	1.58	1.54	1.67	1.65	1.56	1.61	1.67	1.63	1.57	.98
20	1.61	1.57	1.58	1.55	1.56	1.67	1.60	1.59	e1.65	1.61	1.57	.97
21	1.65	1.60	1.57	1.60	1.64	1.67	1.54	1.59	e1.59	1.61	1.54	.41
22	1.31	1.73	1.60	1.52	1.68	1.62	1.51	1.63	e1.59	1.60	1.40	.20
23	1.34	1.89	1.60	1.59	1.53	1.78	1.43	1.64	e1.59	1.07	1.57	.44
24	1.57	1.12	1.58	1.58	1.49	1.84	1.56	1.63	e1.59	2.37	1.55	1.33
25	1.57	1.68	1.60	1.61	1.46	1.87	1.55	1.57	e1.61	1.67	1.56	1.21
26	1.63	1.72	1.58	1.54	1.43	1.87	1.63	1.58	1.54	1.03	1.54	1.32
27	1.65	1.70	1.60	1.52	1.45	1.86	1.64	1.56	1.59	.71	1.68	1.87
28	1.64	1.65	1.60	1.54	1.56	1.85	1.62	1.55	1.16	.44	1.49	1.88
29	1.58	1.59	1.59	1.70	---	1.83	1.59	1.56	1.61	.30	1.52	1.90
30	1.60	1.56	1.57	1.79	---	1.82	1.62	1.55	1.63	1.63	1.32	1.52
31	1.60	---	1.56	1.85	---	1.80	---	1.61	---	1.77	1.67	---
MEAN	1.51	1.63	1.55	1.60	1.65	1.70	1.59	1.63	1.62	1.44	1.56	1.41
MAX	1.77	1.97	1.67	1.85	1.99	1.87	1.70	1.83	1.94	2.37	1.75	1.90
MIN	.29	1.12	1.31	1.52	1.43	1.59	1.43	1.55	1.16	.30	1.24	.20

CAL YR 1984 MEAN 1.44 MAX 2.37 MIN .29
WTR YR 1985 MEAN 1.57 MAX 2.37 MIN .20

e Estimated

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW¼ sec.25, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, at pump station 13, 150 ft west of U.S. Highway 441, and 1.5 mi east of Davie.

PERIOD OF RECORD.--January 1955 to current year (gage heights). Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Gage records water levels below pump station 13. Stage is basically tidal, but at times is affected by gate operation and pumping at S-13. The stage record published is the maximum and minimum tide event for each calendar day.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.98 ft Sept. 8, 1965; minimum -1.97 ft Apr. 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.04 ft Sept. 18; minimum -1.10 ft Apr. 8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	2.01	1.85	1.47	.93	.77	.66	1.45	1.76	1.56	2.01	2.10
2	2.03	2.14	1.84	1.48	1.22	.98	.93	1.36	1.55	1.62	2.00	1.85
3	2.03	2.29	1.74	1.47	1.06	1.19	1.22	1.26	1.55	1.58	2.07	1.99
4	1.95	2.35	1.83	1.59	1.16	1.29	1.22	1.41	1.57	1.50	2.14	2.01
5	1.88	2.30	1.82	1.68	1.44	1.35	1.28	1.49	1.49	1.66	2.10	2.22
6	1.96	2.28	1.55	1.78	1.40	1.30	1.16	1.52	1.36	1.43	2.12	1.85
7	1.85	2.27	1.67	1.62	1.56	1.55	1.16	1.64	1.18	1.37	1.99	1.58
8	2.05	2.35	1.67	1.82	1.47	1.38	1.10	1.34	1.33	1.13	1.91	1.55
9	2.02	2.35	1.80	1.81	1.58	1.43	1.07	1.16	1.21	1.20	1.77	1.62
10	2.08	2.26	1.68	1.86	1.65	1.26	1.06	1.08	1.23	1.24	1.81	1.78
11	2.21	2.23	1.70	1.71	1.63	1.36	.93	1.11	1.23	1.24	1.78	1.75
12	2.17	1.97	1.79	1.79	1.50	1.17	1.16	1.31	1.20	1.42	1.70	1.91
13	2.25	1.87	1.73	1.91	1.23	.95	1.29	1.33	1.18	1.40	1.66	1.92
14	2.28	1.66	1.59	1.89	1.14	.97	1.24	1.37	1.24	1.34	1.77	2.15
15	2.15	1.95	1.62	1.82	1.18	.97	1.60	1.30	1.10	1.54	1.87	2.48
16	2.23	1.88	1.76	1.78	1.14	.92	1.56	1.61	.96	1.80	1.86	2.54
17	2.05	1.84	1.63	1.65	1.17	1.21	1.27	1.80	.99	1.79	1.84	2.50
18	2.17	2.06	1.86	1.68	1.11	1.30	1.29	1.72	1.10	1.60	1.98	3.04
19	2.12	1.99	1.67	1.87	1.08	1.14	1.31	1.54	1.29	1.81	2.02	2.90
20	2.23	2.17	1.86	1.75	1.15	1.50	1.30	1.54	1.35	1.84	2.12	2.74
21	2.32	2.22	1.81	1.48	1.07	1.67	1.27	1.55	1.10	1.92	1.97	2.56
22	2.17	2.47	1.77	1.22	1.02	1.37	1.23	1.40	1.48	1.90	1.87	2.50
23	2.60	2.79	1.63	1.45	.97	1.25	1.15	1.49	1.55	2.39	1.79	2.34
24	2.21	3.02	1.81	1.42	.91	1.23	1.00	1.33	1.57	2.50	1.75	2.42
25	2.38	2.58	1.62	1.30	.81	1.26	1.03	1.51	1.66	1.79	1.75	2.76
26	2.47	2.35	1.46	1.14	.69	1.23	1.10	1.57	1.80	1.92	1.81	2.93
27	2.30	2.16	1.63	.98	.61	1.17	1.11	1.64	1.87	2.07	2.15	2.74
28	2.19	2.14	1.42	1.09	.59	.95	1.06	1.75	1.72	2.14	2.41	2.64
29	2.00	1.86	1.48	1.09	---	.74	1.05	1.78	1.59	1.85	2.45	2.49
30	1.95	1.80	1.42	1.07	---	.79	1.18	1.88	1.66	1.82	2.28	2.77
31	1.97	---	1.38	1.06	---	.80	---	1.89	---	1.91	2.15	---
MEAN	2.14	2.19	1.68	1.54	1.16	1.18	1.17	1.49	1.40	1.69	1.96	2.29
MAX	2.60	3.02	1.86	1.91	1.65	1.67	1.60	1.89	1.87	2.50	2.45	3.04
MIN	1.85	1.66	1.38	.98	.59	.74	.66	1.08	.96	1.13	1.66	1.55

CAL YR 1984 MEAN .49 MAX 3.02 MIN -1.12
WTR YR 1985 MEAN 1.66 MAX 3.04 MIN .59

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.74	.74	.76	.13	-.60	-.43	-.85	-.25	-.40	-.40	.48	.34
2	.78	.92	.65	.09	-.48	-.53	-1.00	-.54	-.61	-.19	.50	.28
3	.94	.89	.36	.00	-.63	-.60	-.49	-.82	-.68	-.42	.65	.59
4	.75	1.10	.25	-.02	-.65	-.31	-.64	-.90	-.69	.01	.74	.76
5	.49	.73	.31	-.03	-.61	-.47	-.85	-.52	-.63	-.32	.76	.75
6	.65	.74	-.04	-.03	-.51	-.55	-1.03	-.70	-.65	-.14	.86	.42
7	.42	.73	-.07	-.24	-.35	-.44	-.87	-.77	-.45	-.18	.91	.34
8	.55	.83	-.48	-.10	-.38	-.55	-1.10	-.77	-.51	-.42	.73	.42
9	.67	.80	.12	.02	-.20	-.53	-.74	-.64	-.44	-.21	.62	.29
10	.51	.67	-.12	.05	-.05	-.54	-.67	-.61	-.39	.01	.81	.51
11	.67	.65	.07	.05	-.15	-.62	-.43	-.43	-.21	-.14	.80	.21
12	.66	.53	.08	.18	-.40	-.74	-.20	-.28	-.35	.01	.30	.26
13	.68	.44	.07	.30	-.53	-.62	-.06	-.26	-.29	-.04	.17	.08
14	.77	.04	-.14	.14	-.51	-.58	-.05	-.21	-.21	.03	.09	.47
15	.84	.49	.01	.08	-.44	-.44	-.11	-.29	-.46	.01	.24	.62
16	.93	.53	-.11	.05	-.50	-.39	.28	-.03	-.67	.04	.04	.67
17	.76	.30	-.04	-.14	-.45	-.50	-.28	.08	-.88	.61	.01	.78
18	.71	.56	-.07	-.08	-.53	-.16	-.35	.04	-.82	.06	.29	1.19
19	.75	.16	-.07	.08	-.60	-.56	-.21	-.16	-.66	.39	.40	1.55
20	.66	.16	-.18	-.17	-.49	-.23	-.41	-.35	-.67	.36	.32	1.53
21	.58	.18	-.04	-.18	-.50	-.05	-.30	-.45	-.53	.39	.28	1.22
22	.47	.57	-.27	-.42	-.52	-.22	-.59	-.45	-.34	.66	.33	1.03
23	.56	.83	-.34	-.38	-.49	-.33	-.70	-.46	-.02	1.21	.14	1.07
24	.41	1.12	.02	-.20	-.53	-.30	-.58	-.45	-.20	1.58	.04	1.01
25	.38	.76	-.17	-.19	-.63	-.31	-.40	.10	.35	.95	.14	1.23
26	.53	.67	-.21	-.27	-.68	-.30	-.33	.29	.25	.71	-.01	1.36
27	.47	.64	.15	-.39	-.72	-.41	-.46	.33	.13	.69	.55	1.28
28	.54	.72	.02	-.20	-.58	-.81	-.52	.15	.15	.46	.64	1.19
29	.50	.49	.22	-.47	---	-.58	-.46	.11	-.37	.24	.69	1.09
30	.56	.64	.08	-.27	---	-.58	-.37	.05	-.31	-.01	.35	1.11
31	.43	---	.17	-.63	---	-.66	---	-.13	---	.07	.54	---
MEAN	.62	.62	.03	-.10	-.49	-.46	-.49	-.30	-.39	.19	.43	.79
MAX	.94	1.12	.76	.30	-.05	-.05	.28	.33	.35	1.58	.91	1.55
MIN	.38	.04	-.48	-.63	-.72	-.81	-1.10	-.90	-.88	-.42	-.01	.08

WTR YR 1985 MEAN .04 MAX 1.58 MIN -1.10

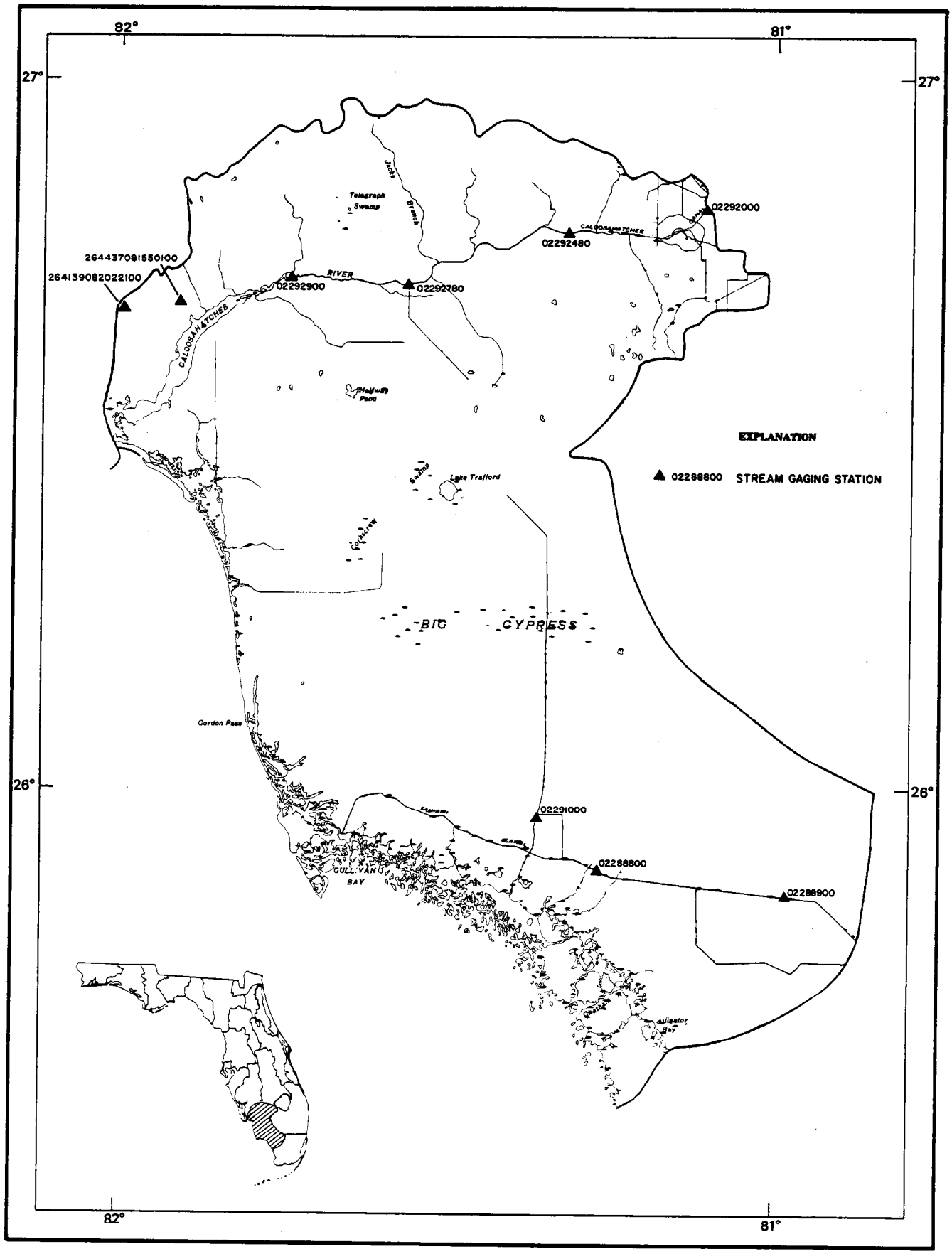


Figure 11. Location of gaging stations in the Big Cypress Swamp and southwestern coastal area; the Caloosahatchee River; and Charlotte Harbor and the coastal area

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

LOCATION.--Lat 25°57'50", long 80°18'40", in SW¼ sec.36, T.51 S., R.40 E., Broward County, Hydrologic Unit 03090202, near center of span on downstream side of bridge at N.W. 67th Avenue, 6.0 mi north of Hialeah, Dade County, 10.9 mi upstream from salinity-control structure 29, and 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to February 1962 (gage heights), March 1962 to current year. Records of gage heights prior to March 1962 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL-74-2A: 1969.

GAGE.--Water-stage and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to Oct. 1, 1975, at datum 0.28 ft lower. Nov. 1, 1959 to Mar. 15, 1962, water-stage recorder 10 ft downstream at datum 0.28 ft lower.

REMARKS.--Records fair, except for those estimated daily discharges, which are poor. Flow affected by regulation at salinity-control structure 29, at times by tide, and is occasionally reversed. Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter.

AVERAGE DISCHARGE.--23 years, 275 ft^3/s, 199,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,550 ft^3/s Mar. 10, 1969; maximum gage height, 4.53 ft Oct. 31, 1969; maximum daily reverse flow, 537 ft^3/s Sept. 8, 1965; minimum gage height, 0.58 ft June 22, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 974 ft^3/s July 26; maximum gage height, 3.58 ft July 24; maximum daily reverse flow, 31 ft^3/s May 5; minimum gage height, 1.57 ft May 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e300	90	486	56	70	57	e100	12	45	342	506	276
2	e300	98	433	58	66	57	e100	18	29	299	492	206
3	e300	259	139	68	70	49	e100	15	29	402	549	371
4	e400	260	106	79	72	65	e100	7.1	18	273	425	254
5	444	192	113	67	68	66	e100	-31	-17	106	402	316
6	438	173	186	62	56	45	e100	-18	-19	289	499	251
7	351	165	120	55	61	51	e100	-5.3	-11	100	550	214
8	318	101	85	52	61	115	e100	1.0	-9.5	40	370	232
9	218	69	110	54	51	117	70	3.3	88	76	364	226
10	142	70	82	63	55	e100	51	12	79	108	287	173
11	e130	165	72	67	52	e100	33	12	58	96	236	241
12	e130	93	64	72	64	e100	49	-3.4	156	e122	216	118
13	e130	70	74	67	37	e100	112	-6.5	175	e150	247	302
14	e130	72	69	64	47	e100	118	-15	70	e150	122	47
15	e125	69	70	65	45	e100	393	-15	277	e150	123	21
16	126	72	75	57	54	e100	530	-3.9	40	e150	127	e50
17	83	68	78	50	51	e100	408	29	14	e150	107	e75
18	81	68	75	62	47	e100	290	7.9	21	e150	62	e100
19	173	93	73	72	56	e100	70	-17	.80	205	24	e125
20	71	84	74	67	56	e100	32	-1.6	-2.3	492	14	e150
21	82	136	68	64	40	e100	164	-5.0	-2.6	409	50	e200
22	195	216	68	51	58	e100	27	-14	2.5	378	35	e250
23	99	274	63	58	63	e100	20	-2.0	91	616	65	e300
24	85	231	55	52	63	e100	16	157	84	904	229	e375
25	79	196	55	55	69	e100	21	403	239	891	240	432
26	101	63	65	54	72	e100	23	436	274	974	96	360
27	90	199	59	57	60	e100	9.2	280	248	856	205	305
28	81	79	63	57	61	e100	13	253	141	780	184	268
29	90	72	61	56	---	e100	40	97	72	637	561	309
30	95	154	57	62	---	e100	11	53	132	569	546	282
31	96	---	52	70	---	e100	---	59	---	558	442	---
TOTAL	5483	3951	3250	1893	1625	2822	3300.2	1717.6	2321.90	11422	8375	6829
MEAN	177	132	105	61.1	58.0	91.0	110	55.4	77.4	368	270	228
MAX	444	274	486	79	72	117	530	436	277	974	561	432
MIN	71	63	52	50	37	45	9.2	-31	-19	40	14	21

CAL YR 1984	TOTAL	64594	MEAN	176	MAX	1040	MIN	-64
WTR YR 1985	TOTAL	52990	MEAN	145	MAX	974	MIN	-31

e Estimated

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.38	2.39	2.32	2.06	1.81	1.92	2.10	2.29	2.38	2.57	2.41
2	2.92	2.40	2.42	2.31	2.05	1.80	1.91	2.06	2.23	2.35	2.62	2.41
3	2.73	2.34	2.40	2.30	2.04	1.79	1.95	2.01	2.17	2.34	2.63	2.38
4	2.54	2.32	2.39	2.31	2.04	1.80	1.93	1.99	2.11	2.26	2.56	2.37
5	2.44	2.38	2.31	2.32	2.03	1.80	1.89	1.99	2.06	2.34	2.59	2.37
6	2.35	2.30	2.34	2.30	2.02	1.79	1.85	1.97	2.00	2.13	2.70	2.38
7	2.35	2.27	2.35	2.28	2.01	1.81	1.82	1.93	1.95	2.10	2.74	2.33
8	2.32	2.28	2.42	2.26	2.00	1.83	1.81	1.89	1.89	2.25	2.73	2.28
9	2.38	2.36	2.41	2.24	2.00	1.92	1.97	1.86	1.96	2.20	2.63	2.49
10	2.33	2.38	2.36	2.22	1.98	1.96	1.96	1.84	2.32	2.05	2.45	2.40
11	2.32	2.33	2.41	2.21	1.98	1.96	1.93	1.89	2.47	2.16	2.58	2.31
12	2.37	2.27	2.42	2.19	1.96	1.97	1.91	1.90	2.35	2.17	2.63	2.44
13	2.39	2.33	2.42	2.17	1.95	1.97	2.05	1.86	2.28	2.33	2.47	2.29
14	2.35	2.33	2.42	2.16	1.93	1.96	2.30	1.82	2.41	2.31	2.46	2.32
15	2.27	2.33	2.41	2.14	1.91	1.96	2.22	1.79	2.07	2.36	2.33	2.40
16	2.37	2.32	2.40	2.13	1.91	1.97	2.36	1.75	2.21	2.44	2.30	2.38
17	2.29	2.33	2.41	2.11	1.91	1.96	2.23	1.72	2.26	2.67	2.34	2.39
18	2.43	2.33	2.41	2.12	1.90	2.01	2.09	1.68	2.23	2.74	2.31	2.80
19	2.28	2.32	2.39	2.20	1.90	2.00	2.28	1.65	2.20	2.61	2.29	3.10
20	2.35	2.32	2.39	2.19	1.90	2.00	2.34	1.62	2.19	2.52	2.37	3.18
21	2.42	2.33	2.40	2.16	1.89	2.00	2.27	1.60	2.16	2.43	2.35	2.91
22	2.30	2.32	2.39	2.13	1.87	2.26	2.33	1.59	2.14	2.53	2.32	2.80
23	2.29	2.35	2.38	2.11	1.86	2.33	2.36	1.57	2.23	3.13	2.28	2.72
24	2.34	2.31	2.40	2.11	1.86	2.28	2.34	1.78	2.41	3.58	2.28	2.65
25	2.35	2.29	2.40	2.10	1.84	2.24	2.30	2.44	2.37	3.36	2.26	2.54
26	2.38	2.44	2.42	2.10	1.83	2.18	2.26	2.43	2.37	3.21	2.37	2.47
27	2.42	2.25	2.41	2.09	1.82	2.12	2.22	2.37	2.25	3.03	2.37	2.42
28	2.42	2.36	2.38	2.09	1.81	2.08	2.17	2.34	2.30	2.83	2.40	2.39
29	2.41	2.40	2.36	2.08	---	2.04	2.13	2.40	2.32	2.80	2.59	2.39
30	2.39	2.43	2.34	2.07	---	2.00	2.13	2.39	2.36	2.68	2.44	2.41
31	2.38	---	2.34	2.06	---	1.96	---	2.34	---	2.58	2.38	---
MEAN	2.41	2.34	2.39	2.18	1.94	1.99	2.11	1.95	2.22	2.54	2.46	2.50
MAX	2.97	2.44	2.42	2.32	2.06	2.33	2.36	2.44	2.47	3.58	2.74	3.18
MIN	2.27	2.25	2.31	2.06	1.81	1.79	1.81	1.57	1.89	2.05	2.26	2.28

CAL YR 1984 MEAN 2.34 MAX 3.45 MIN 1.82
WTR YR 1985 MEAN 2.26 MAX 3.58 MIN 1.57

02286300 SNAKE CREEK CANAL AT S-29, AT NORTH MIAMI BEACH, FL

LOCATION.--Lat 25°55'41", long 80°09'22", in NE¼ sec.16 (corrected), T.52 S., R.42 E., Dade County, Hydrologic Unit 03090202, on upstream side of bridge on West Dixie Highway in North Miami Beach, 25 ft from right bank, 0.3 mi upstream from salinity-control structure 29, and 0.4 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1959 to September 1985 (discontinued).

GAGE.--Water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark).

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. 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 electromagnetic velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--25 years (water years 1959-84), 371 ft^3/s 268,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,100 ft^3/s Sept. 19, 1964; maximum gage height, 3.88 ft Sept. 8, 1965; no flow for some days for each year; minimum gage height, -1.00 ft Feb. 4, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,320 ft^3/s July 24; maximum gage height, 2.69 ft Aug. 6; no flow Nov. 8, 12, 13; minimum gage height, 1.29 ft Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	29	647	31	51	23	14	41	73	641	1260	419
2	1290	21	496	35	24	29	44	43	56	554	1290	267
3	946	382	386	17	26	27	40	9.9	180	906	1350	792
4	715	418	579	6.5	45	34	46	25	172	601	1180	489
5	649	216	212	6.3	28	49	41	36	174	54	1170	603
6	524	255	418	8.6	3.5	42	52	49	148	875	1240	424
7	523	326	8.0	5.4	20	22	49	51	52	84	1290	462
8	487	.00	6.9	4.8	19	33	43	34	228	41	1290	121
9	393	16	154	13	25	32	24	29	236	319	1230	129
10	307	12	4.8	28	26	34	17	43	38	193	1130	149
11	293	317	6.9	29	33	57	16	35	39	214	697	e332
12	169	.00	5.7	31	19	52	17	29	351	189	994	e8.2
13	200	.00	24	27	15	52	315	18	393	194	791	e45
14	179	16	13	25	19	58	400	30	160	805	210	e533
15	252	14	21	42	13	47	672	30	707	598	---	e296
16	295	6.7	24	39	27	48	759	21	39	581	---	e417
17	47	21	23	23	27	40	752	12	43	1310	---	e542
18	37	33	36	24	28	43	561	25	46	1330	---	e1080
19	269	14	31	21	49	38	51	35	41	1340	---	e1280
20	110	3.6	3.4	17	49	46	53	30	75	1040	---	e1510
21	134	174	29	29	41	43	447	36	70	1080	---	e1220
22	394	351	29	27	48	36	35	44	12	1080	---	e1110
23	18	289	20	24	30	48	45	42	23	1590	---	e1000
24	24	282	25	14	48	56	46	15	214	2320	---	e887
25	24	363	29	13	51	50	57	624	543	2210	---	e711
26	26	18	26	28	65	42	59	680	788	1940	---	e682
27	40	373	24	28	61	45	49	430	538	1820	---	e662
28	19	11	22	18	36	43	20	460	249	1640	---	e588
29	22	7.7	28	21	---	48	20	48	8.7	1420	1140	e623
30	34	379	23	49	---	54	61	51	274	1340	843	e492
31	14	---	27	51	---	34	---	55	---	1330	670	---
TOTAL	10304	4348.00	3381.7	735.6	926.5	1305	4805	3110.9	5970.7	29639	---	17873.2
MEAN	332	145	109	23.7	33.1	42.1	160	100	199	956	---	596
MAX	1870	418	647	51	65	58	759	680	788	2320	---	1510
MIN	14	.00	3.4	4.8	3.5	22	14	9.9	8.7	41	---	8.2
AC-FT	20440	8620	6710	1460	1840	2590	9530	6170	11840	58790	---	35450

CAL YR 1984 TOTAL 100877.70 MEAN 276 MAX 2600 MIN .00 AC-FT 200100

e Estimated

02286300 SNAKE CREEK CANAL AT S-29, AT NORTH MIAMI BEACH, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.98	2.29	1.96	2.21	1.96	1.73	1.86	2.03	2.22	2.02	1.90	2.14
2	2.11	2.32	2.07	2.22	1.97	1.74	1.86	1.99	2.17	2.04	1.91	2.23
3	1.97	2.10	2.14	2.22	1.97	1.71	1.89	1.97	2.12	1.84	1.90	1.92
4	1.93	2.07	2.06	2.26	1.96	1.69	1.85	1.93	2.06	1.96	1.93	2.08
5	1.92	2.22	2.14	2.27	1.94	1.70	1.79	1.91	1.99	2.25	1.93	2.01
6	1.91	2.15	2.15	2.25	1.97	1.71	1.77	1.89	1.92	1.76	1.98	2.13
7	1.95	2.11	2.31	2.23	1.95	1.68	1.74	1.85	1.86	1.99	1.99	2.05
8	1.96	2.25	2.37	2.21	1.96	1.72	1.74	1.82	1.82	2.18	2.04	2.12
9	2.04	2.31	2.31	2.19	1.92	1.84	1.89	1.78	1.88	2.05	2.03	2.32
10	2.10	2.33	2.31	2.17	1.90	1.88	1.85	1.76	2.26	1.96	1.90	2.23
11	2.11	2.17	2.35	2.15	1.88	1.88	1.79	1.83	2.39	2.07	2.18	---
12	2.23	2.25	2.36	2.14	1.95	1.89	1.77	1.83	2.14	2.09	2.12	---
13	2.26	2.31	2.34	2.11	1.91	1.89	1.87	1.80	2.05	2.23	2.05	---
14	2.20	2.28	2.34	2.10	1.87	1.88	2.11	1.76	2.28	1.90	2.12	---
15	2.07	2.26	2.31	2.10	1.86	1.89	1.87	1.72	1.73	2.10	1.89	---
16	2.16	2.28	2.31	2.06	1.84	1.88	2.02	1.70	2.11	2.20	2.02	---
17	2.20	2.27	2.33	2.05	1.83	1.93	1.91	1.69	2.18	1.91	2.07	---
18	2.33	2.25	2.33	2.07	1.82	1.97	1.82	1.63	2.15	2.06	2.03	---
19	2.05	2.26	2.32	2.14	1.82	1.92	2.19	1.58	2.13	1.87	2.04	---
20	2.24	2.29	2.33	2.15	1.82	1.88	2.26	1.55	2.11	2.00	2.24	---
21	2.32	2.23	2.32	2.14	1.77	1.87	2.03	1.53	2.08	1.87	2.12	---
22	2.06	2.14	2.31	2.08	1.74	2.20	2.23	1.51	2.08	1.93	2.23	---
23	2.18	2.22	2.31	2.07	1.74	2.28	2.28	1.50	2.15	2.03	2.04	---
24	2.24	2.16	2.31	2.05	1.73	2.23	2.26	1.67	2.35	1.95	2.03	---
25	2.27	2.10	2.31	2.07	1.74	2.17	2.23	2.03	2.04	1.94	1.99	---
26	2.30	2.36	2.31	2.06	1.74	2.09	2.19	1.99	2.08	1.98	2.26	---
27	2.31	2.03	2.29	2.03	1.74	2.02	2.14	2.08	1.99	1.95	2.01	---
28	2.31	2.31	2.27	2.04	1.74	2.00	2.12	2.10	2.17	1.81	2.08	---
29	2.31	2.37	2.26	2.03	---	1.95	2.09	2.32	2.29	1.97	2.03	---
30	2.31	2.22	2.26	1.99	---	1.91	2.06	2.32	2.19	1.86	1.90	---
31	2.28	---	2.23	1.97	---	1.88	---	2.27	---	1.82	1.97	---
MEAN	2.15	2.23	2.27	2.12	1.86	1.90	1.98	1.85	2.10	1.99	2.03	---
MAX	2.33	2.37	2.37	2.27	1.97	2.28	2.28	2.32	2.39	2.25	2.26	---
MIN	1.91	2.03	1.96	1.97	1.73	1.68	1.74	1.50	1.73	1.76	1.89	---

CAL YR 1984 MEAN 2.14 MAX 2.39 MIN .67

02286340 BISCAYNE CANAL AT S-28, NEAR MIAMI, FL

LOCATION.--Lat 25°52'41", long 80°11'35", in SE¼ sec.31, T.52 S., R.42 E., Dade County, Hydrologic Unit 03090202, on upstream side of footbridge, 100 ft upstream from salinity-control structure 28, 0.7 mi upstream from U.S. Highway 1, 1.2 mi above mouth, and 1.7 mi north of north boundary of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1962 to September 1985 (discontinued).

GAGE.--Water-stage and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to April 1975, at site 0.2 mi downstream at same datum.

REMARKS.--Records poor. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure 28, 1,100 ft downstream. Discharge computed from continuous velocity record obtained from recording velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--22 years (water years 1962-84), 103 ft^3/s, 74,570 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,640 ft^3/s May 29, 1966; maximum gage height, 4.24 ft Oct. 31, 1965; no flow on some days each year; maximum reverse flow, 835 ft^3/s Sept. 8, 1965, from hurricane tide; minimum gage height, -0.34 ft May 8, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 570 ft^3/s Oct. 1; maximum gage height, 2.83 ft Sept. 19; no flow for many days; minimum gage height, 0.59 ft Aug. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	570	90	70	3.3	.00	.00	.00	5.7	41	61	255	---
2	516	89	118	3.5	.00	.00	.00	9.7	34	45	232	---
3	407	67	45	3.3	.00	.00	3.4	3.2	8.5	112	173	---
4	363	96	53	12	.00	.00	2.7	5.8	17	138	178	---
5	309	40	42	7.3	.00	2.6	21	8.1	12	62	167	---
6	249	37	38	7.3	.00	2.4	17	8.0	6.1	40	192	---
7	214	.00	.00	15	8.3	27	e4.8	7.8	1.9	.00	135	---
8	e200	62	.00	42	24	31	e2.0	13	2.0	35	119	---
9	e200	79	.00	64	39	18	.00	14	1.4	28	106	---
10	e150	59	.00	62	44	10	.00	.00	3.6	.00	---	---
11	116	77	.00	60	72	28	.00	.00	.00	47	---	---
12	122	64	.00	44	16	2.7	.00	.00	.00	35	---	---
13	100	86	.00	75	16	.00	27	.00	35	69	---	192
14	114	38	.00	76	.00	.00	.00	2.4	32	74	---	56
15	115	37	.00	81	.00	.00	74	1.6	.00	80	---	83
16	125	54	.00	41	.00	.00	29	9.3	.00	26	---	92
17	109	56	.00	40	.00	.00	52	28	2.9	188	---	125
18	97	87	.00	41	.00	.00	.00	25	.00	266	---	213
19	68	96	77	48	.00	.00	.00	30	.00	255	---	259
20	.00	94	73	54	.00	7.9	.00	26	.00	226	---	341
21	.00	90	65	22	.00	56	.00	.00	.00	214	---	270
22	54	.00	52	.00	.00	39	.00	.00	.00	189	---	208
23	57	93	20	7.4	.00	.00	.00	.00	1.5	406	---	206
24	143	72	54	6.8	.00	.00	.00	.00	.00	558	---	174
25	127	35	27	.00	.00	.00	.00	69	92	496	---	137
26	40	104	16	.00	.00	.00	.00	21	75	384	---	140
27	.00	107	12	.00	.00	.00	.00	.00	23	375	---	141
28	86	93	.00	.00	.00	.00	.00	.00	69	318	---	131
29	81	65	11	.00	---	.00	.00	34	8.4	303	---	156
30	76	57	.00	.00	---	.00	.00	23	32	264	---	156
31	56	---	.00	.00	---	.00	---	54	---	258	---	---
TOTAL	4864.00	2024.00	773.00	815.90	219.30	224.60	232.90	398.60	498.30	5552.00	---	---
MEAN	157	67.5	24.9	26.3	7.83	7.25	7.76	12.9	16.6	179	---	---
MAX	570	107	118	81	72	56	74	69	92	558	---	---
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---	---
AC-FT	9650	4010	1530	1620	435	445	462	791	988	11010	---	---

CAL YR 1984 TOTAL 34097.00 MEAN 93.2 MAX 676 MIN .00 AC-FT 67630

e Estimated

02286340 BISCAYNE CANAL AT S-28, NEAR MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	1.74	1.92	1.87	1.81	1.75	1.84	1.84	1.78	2.03	1.70	1.90
2	1.97	1.76	1.85	1.88	1.83	1.76	1.85	1.82	1.78	1.99	1.81	2.00
3	1.99	1.80	1.92	1.87	1.81	1.74	1.85	1.83	1.85	1.95	1.93	1.92
4	1.98	1.89	1.94	1.88	1.79	1.74	1.81	1.81	1.80	1.87	1.99	1.91
5	1.96	1.89	1.92	1.88	1.79	1.75	1.75	1.78	1.79	1.89	1.94	1.93
6	1.94	1.90	1.96	1.86	1.82	1.74	1.74	1.79	1.80	1.96	1.97	1.96
7	1.92	1.99	1.98	1.84	1.80	1.67	e1.83	1.78	1.80	2.04	1.97	1.95
8	1.94	1.89	1.99	1.78	1.76	1.64	e1.86	1.73	1.80	1.92	1.99	2.08
9	1.93	1.80	1.99	1.71	1.68	1.70	1.83	1.71	1.82	1.96	1.93	1.91
10	1.88	1.81	1.99	1.69	1.65	1.72	1.81	1.76	1.90	2.05	1.84	1.96
11	1.91	1.81	1.99	1.69	1.61	1.73	1.80	1.87	1.99	1.94	1.79	1.96
12	1.88	1.78	1.99	1.73	1.70	1.76	1.80	1.86	2.08	1.95	1.89	1.84
13	1.89	1.74	1.98	1.73	1.77	1.78	1.84	1.84	2.03	1.96	1.75	1.87
14	1.82	1.79	1.97	1.67	1.78	1.78	1.97	1.81	2.00	1.93	1.96	1.86
15	1.84	1.78	1.96	1.63	1.79	1.78	1.93	1.79	2.09	1.93	1.98	1.80
16	1.76	1.83	1.96	1.69	1.78	1.78	1.96	1.75	2.06	2.03	1.98	1.81
17	1.77	1.77	1.98	1.71	1.78	1.81	1.94	1.65	2.02	1.95	2.02	1.84
18	1.77	1.68	1.99	1.73	1.78	1.81	2.00	1.59	1.98	1.94	1.99	2.09
19	1.76	1.64	1.88	1.72	1.79	1.79	1.99	1.53	1.95	1.89	2.03	2.18
20	1.93	1.62	1.78	1.72	1.79	1.76	1.98	1.46	1.92	1.83	2.13	2.17
21	1.97	1.70	1.78	1.76	1.76	1.66	2.01	1.62	1.90	1.75	1.91	2.12
22	1.89	2.01	1.80	1.81	1.75	1.82	2.00	1.63	1.91	1.91	1.88	2.13
23	1.89	1.95	1.85	1.81	1.75	1.98	1.99	1.62	1.92	2.06	1.86	2.09
24	1.67	1.96	1.82	1.81	1.75	1.97	1.97	1.68	1.99	2.02	1.82	2.11
25	1.67	1.98	1.82	1.84	1.75	1.94	1.96	1.76	1.97	1.97	1.81	2.08
26	1.80	1.88	1.89	1.82	1.76	1.91	1.94	1.95	1.91	1.92	1.85	1.99
27	1.92	1.82	1.88	1.82	1.76	1.88	1.91	2.08	2.02	1.79	1.80	2.02
28	1.86	1.79	1.91	1.84	1.75	1.86	1.91	2.09	1.95	1.75	1.92	2.02
29	1.73	1.81	1.87	1.81	---	1.84	1.89	1.98	2.02	1.65	1.95	1.85
30	1.75	1.88	1.89	1.81	---	1.84	1.87	1.91	1.99	1.64	1.94	1.83
31	1.76	---	1.88	1.82	---	1.84	---	1.79	---	1.62	1.95	---
MEAN	1.86	1.82	1.91	1.78	1.76	1.79	1.89	1.78	1.93	1.91	1.91	1.97
MAX	2.00	2.01	1.99	1.88	1.83	1.98	2.01	2.09	2.09	2.06	2.13	2.18
MIN	1.67	1.62	1.78	1.63	1.61	1.64	1.74	1.46	1.78	1.62	1.70	1.80

CAL YR 1984 MEAN 1.86 MAX 2.30 MIN 1.03
WTR YR 1985 MEAN 1.86 MAX 2.18 MIN 1.46

e Estimated

02286380 LITTLE RIVER CANAL AT S-27, AT MIAMI, FL

LOCATION.--Lat 25°51'11", long 80°11'36", in NE¼ sec.12, T.53 S., R.41 E., Dade County, Hydrologic Unit 03090202, at center of upstream side of concrete bridge on N.E. 2nd Avenue at Miami, 0.4 mi upstream from salinity-control structure 27, and 1.6 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to September 1969, July 1973 to September 1985 (discontinued).

GAGE.--Digital water-stage recorder and electromagnetic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark).

REMARKS.--Records poor. 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 electromagnetic velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--20 years (water years 1960-69, 1974-84), 151 ft^3/s, 109,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,100 ft^3/s Oct. 29, 1964; maximum gage height, 4.49 ft Sept. 8, 1965; no flow on some days each year; maximum reverse flow, 1,500 ft^3/s Sept. 8, 1965, from hurricane tide; minimum gage height, -0.18 ft Nov. 30, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 641 ft^3/s July 25; maximum gage height, 3.09 ft Sept. 19; no flow for several days; minimum gage height, 0.88 ft Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	60	166	74	28	.00	---	60	65	221	261	156
2	381	103	127	81	28	.00	---	23	48	213	277	158
3	313	107	136	95	54	e.50	---	31	53	256	259	204
4	269	106	116	74	69	.00	e13	25	46	249	241	185
5	251	103	118	102	9.9	e1.0	.00	27	11	212	245	170
6	214	116	110	75	25	e5.0	.00	7.8	.00	198	220	163
7	216	84	106	56	34	e1.0	.00	1.4	.00	191	189	131
8	161	82	108	70	29	e5.0	---	.00	.00	144	188	128
9	136	79	93	47	96	e20	---	3.6	52	144	146	155
10	186	82	98	41	.00	e15	56	20	108	165	57	118
11	162	92	96	32	.90	e15	27	93	140	156	237	130
12	153	89	81	.50	8.9	e15	45	31	164	164	208	120
13	143	86	99	.00	23	e3.0	93	42	178	199	172	126
14	121	67	87	12	.00	e5.0	128	33	151	220	173	131
15	115	67	75	.00	8.0	e10	145	2.5	167	219	142	118
16	112	72	78	16	.00	e12	161	.00	96	184	131	110
17	102	55	79	24	.00	e20	139	.00	87	262	149	158
18	90	47	86	45	.40	e15	157	.00	89	e250	141	342
19	74	60	72	45	3.7	e25	145	.40	67	e240	155	421
20	81	50	67	38	.40	.00	138	.00	43	e400	139	462
21	102	89	70	49	.00	.00	177	.00	50	e400	112	429
22	88	132	50	54	.00	---	172	.00	68	e425	78	345
23	74	123	60	50	.00	---	151	.00	99	e475	99	306
24	83	115	73	38	.00	---	111	20	109	511	95	286
25	75	125	71	59	.00	---	75	161	242	641	80	193
26	82	112	102	60	.00	---	100	195	200	537	75	165
27	85	102	86	38	.40	---	85	115	198	481	96	96
28	80	94	94	47	.00	---	65	184	189	418	90	20
29	23	108	95	50	---	---	94	148	159	354	171	12
30	38	115	86	21	---	---	90	132	187	273	176	6.4
31	66	---	82	34	---	---	---	85	---	235	130	---
TOTAL	4496	2722	2867	1427.50	418.60	---	---	1440.70	3066.00	9037	4932	5544.4
MEAN	145	90.7	92.5	46.0	15.0	---	---	46.5	102	292	159	185
MAX	420	132	166	102	96	---	---	195	242	641	277	462
MIN	23	47	50	.00	.00	---	---	.00	.00	144	57	6.4
AC-FT	8920	5400	5690	2830	830	---	---	2860	6080	17920	9780	11000

CAL YR 1984 TOTAL 50918.00 MEAN 139 MAX 725 MIN .00 AC-FT 101000

e Estimated

02286380 LITTLE RIVER CANAL AT S-27, AT MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.99	1.84	1.79	1.77	1.82	1.86	---	1.79	1.80	1.74	1.90	1.93
2	1.96	1.83	1.81	1.77	1.82	---	---	1.83	1.83	1.72	1.88	1.86
3	1.96	1.88	1.77	1.73	1.76	---	---	1.82	1.82	1.73	1.95	1.86
4	1.98	1.88	1.81	1.77	1.69	---	---	1.83	1.81	1.72	1.94	1.88
5	1.96	1.86	1.80	1.73	1.85	---	---	1.81	1.85	1.74	1.94	1.86
6	1.93	1.81	1.79	1.77	1.79	---	---	1.85	1.86	1.74	1.99	1.83
7	1.90	1.83	1.76	1.79	1.80	---	---	1.83	1.86	1.69	2.00	1.91
8	1.92	1.86	1.74	1.77	1.81	---	---	1.81	1.84	1.76	1.92	1.89
9	2.10	1.86	1.77	1.78	1.57	---	1.86	1.82	1.81	1.77	1.88	1.81
10	1.85	1.84	1.77	1.81	1.82	---	1.86	1.81	1.77	1.72	1.84	1.87
11	1.88	1.82	1.78	1.80	1.83	---	1.84	1.78	1.71	1.72	1.86	1.85
12	1.86	1.81	1.81	1.91	1.84	---	1.82	1.87	1.72	1.72	1.88	1.82
13	1.86	1.81	1.76	1.93	1.85	---	1.78	1.81	1.71	1.70	1.90	1.80
14	1.88	1.82	1.79	1.91	1.86	---	1.74	1.82	1.76	1.70	1.90	1.81
15	1.88	1.83	1.82	1.91	1.84	---	1.76	1.87	1.70	1.68	1.96	1.86
16	1.86	1.80	1.80	1.87	1.85	---	1.75	1.87	1.79	1.73	1.94	1.93
17	1.85	1.85	1.81	1.84	1.85	---	1.77	1.86	1.82	1.79	1.92	1.92
18	1.86	1.85	1.81	1.81	1.86	---	1.73	1.81	1.77	---	1.90	2.07
19	1.89	1.84	1.82	1.82	1.87	---	1.73	1.77	1.77	---	1.89	2.19
20	1.89	1.84	1.84	1.80	1.87	---	1.76	1.74	1.82	---	1.92	2.17
21	1.84	1.88	1.81	1.81	1.85	---	1.70	1.74	1.81	---	1.95	2.09
22	1.83	1.84	1.84	1.77	1.85	---	1.68	1.74	1.78	---	1.97	2.08
23	1.84	1.87	1.83	1.80	1.85	---	1.74	1.72	1.77	---	1.90	2.06
24	1.83	1.89	1.81	1.80	1.84	---	1.77	1.74	1.77	1.79	1.94	2.01
25	1.83	1.84	1.80	1.79	1.85	---	1.85	1.79	1.80	1.79	1.97	2.08
26	1.83	1.86	1.76	1.75	1.84	---	1.80	1.73	1.81	1.79	1.95	2.13
27	1.87	1.84	1.76	1.82	1.84	---	1.80	1.73	1.78	1.76	1.92	2.08
28	1.82	1.83	1.75	1.77	1.84	---	1.82	1.74	1.76	1.78	1.94	2.00
29	1.82	1.81	1.73	1.76	---	---	1.76	1.77	1.76	1.73	2.04	1.97
30	1.84	1.80	1.74	1.84	---	---	1.76	1.76	1.76	1.82	2.00	2.01
31	1.84	---	1.76	1.81	---	---	---	1.80	---	1.90	2.05	---
MEAN	1.89	1.84	1.79	1.81	1.82	---	---	1.80	1.79	---	1.93	1.95
MAX	2.10	1.89	1.84	1.93	1.87	---	---	1.87	1.86	---	2.05	2.19
MIN	1.82	1.80	1.73	1.73	1.57	---	---	1.72	1.70	---	1.84	1.80

CAL YR 1984 MEAN 1.84 MAX 2.13 MIN 1.42

255026080231300 SNAPPER CREEK CANAL EXTENSION AT NW 74TH STREET, NEAR HIALEAH, FL

LOCATION.--Lat 25°50'26", long 80°23'13", in SE sec.12, T.53 S., R.39 E., Dade County, Hydrologic Unit 03090202, on the north side of a short spur canal that runs west from the main canal at NW 74th Street, and 5.5 mi upstream from the Tamiami Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.47 ft May 29, 1984; minimum, 1.31 ft May 24, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.41 ft Sept. 20; minimum, 1.31 ft May 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.11	2.55	3.39	2.46	2.07	1.88	2.11	1.81	1.67	2.70	3.41	3.33
2	4.03	2.66	3.31	2.44	2.07	1.90	2.07	1.75	1.62	2.81	3.34	3.25
3	3.88	2.78	3.16	2.43	2.06	1.90	2.09	1.69	1.54	2.98	3.30	3.32
4	3.74	2.72	3.04	2.46	2.05	1.90	2.04	1.65	1.49	3.14	3.27	3.29
5	3.61	2.65	2.95	2.45	2.03	1.92	2.01	1.64	1.44	3.09	3.20	3.25
6	3.49	2.60	2.87	2.42	2.02	1.92	1.97	1.63	1.39	3.03	3.17	3.22
7	3.40	2.53	2.80	2.40	2.02	1.96	1.93	1.56	1.36	2.94	3.14	3.16
8	3.32	2.50	2.76	2.39	2.04	1.99	2.01	1.51	1.33	2.86	3.09	3.12
9	3.22	2.48	2.73	2.37	2.02	2.00	2.35	1.48	1.52	2.77	3.05	3.15
10	3.14	2.47	2.70	2.35	2.01	2.00	2.17	1.48	1.89	2.72	3.07	3.06
11	3.06	2.46	2.67	2.33	2.02	1.97	2.09	1.87	1.82	2.75	3.18	2.99
12	3.00	2.44	2.63	2.31	2.09	1.97	2.06	1.73	1.88	2.73	3.16	2.96
13	2.95	2.41	2.61	2.29	2.13	1.95	2.18	1.63	2.00	2.77	3.08	3.17
14	2.90	2.38	2.59	2.27	2.15	1.93	2.21	1.57	1.92	2.88	3.04	3.37
15	2.85	2.38	2.57	2.26	2.13	1.92	2.23	1.54	1.87	2.90	2.98	3.38
16	2.81	2.44	2.54	2.25	2.11	1.92	2.39	1.53	1.81	2.93	2.91	3.46
17	2.77	2.48	2.53	2.23	2.08	1.93	2.32	1.49	1.73	2.99	3.06	3.68
18	2.74	2.52	2.50	2.24	2.06	2.05	2.29	1.44	1.66	3.11	3.22	4.09
19	2.71	2.56	2.49	2.32	2.04	1.99	2.25	1.43	1.59	3.10	3.21	4.30
20	2.69	2.60	2.48	2.28	2.02	1.96	2.20	1.42	1.53	3.07	3.28	4.41
21	2.69	2.69	2.49	2.24	1.98	1.98	2.23	1.42	1.48	3.01	3.24	4.36
22	2.68	2.85	2.48	2.21	1.96	2.39	2.21	1.38	1.51	3.03	3.23	4.30
23	2.67	2.95	2.48	2.20	1.95	2.42	2.13	1.33	1.82	3.68	3.20	4.24
24	2.64	2.96	2.48	2.21	1.93	2.37	2.08	1.31	2.09	4.17	3.33	4.17
25	2.63	2.89	2.48	2.19	1.91	2.33	2.03	1.45	2.49	4.06	3.28	4.09
26	2.62	2.86	2.54	2.17	1.91	2.30	1.98	1.79	2.55	3.94	3.14	4.02
27	2.65	2.85	2.53	2.15	1.90	2.26	1.93	1.77	2.51	3.84	3.19	4.08
28	2.64	2.84	2.50	2.14	1.89	2.25	1.87	1.74	2.52	3.72	3.18	4.00
29	2.60	2.82	2.48	2.12	---	2.23	1.83	1.68	2.43	3.59	3.56	3.95
30	2.57	3.00	2.48	2.10	---	2.19	1.89	1.69	2.44	3.50	3.54	3.88
31	2.54	---	2.46	2.09	---	2.16	---	1.69	---	3.45	3.43	---
MEAN	3.01	2.64	2.67	2.28	2.02	2.06	2.11	1.58	1.83	3.17	3.21	3.64
MAX	4.11	3.00	3.39	2.46	2.15	2.42	2.39	1.87	2.55	4.17	3.56	4.41
MIN	2.54	2.38	2.46	2.09	1.89	1.88	1.83	1.31	1.33	2.70	2.91	2.96

WTR YR 1985 MEAN 2.52 MAX 4.41 MIN 1.31

02286399 MIAMI CANAL ABOVE HGS-3 AND S-3 AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'55", long 80°48'25", in SE¼ sec.35, T.43 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, in pump station 3 at Lake Okeechobee, 0.4 mi upstream from U.S. Highway 27, in Lake Harbor.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year (gage heights). Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Oct. 1, 1957 to Sept. 30, 1959, at datum 0.05 ft lower and Oct. 1, 1959, to Feb. 7, 1962, at datum 0.22 ft lower.

REMARKS.--Water-level records are those for Lake Okeechobee at pump station 3. Stage is affected by S-3 pumping, HGS-3 gate operations, wind, and seiche.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.78 ft Mar. 7, 1983; minimum, 9.50 ft Aug. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.03 ft Nov. 23; minimum, 11.14 ft June 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.31	15.81	15.55	15.06	14.41	13.98	13.33	13.07	12.18	11.86	12.51	12.68
2	16.54	15.80	15.48	15.06	14.43	14.01	13.53	12.97	12.18	11.93	12.49	13.09
3	16.38	15.66	15.50	14.99	14.52	13.92	13.56	12.83	12.18	11.96	12.51	13.12
4	16.29	15.70	15.50	15.18	14.53	13.84	13.28	13.03	12.13	11.92	12.59	13.17
5	16.24	15.76	15.43	15.26	14.42	13.84	13.12	13.07	12.12	11.83	12.53	13.20
6	16.25	16.15	15.58	15.14	14.46	13.93	13.26	12.95	12.02	11.81	12.49	13.32
7	16.25	16.18	15.91	15.06	14.60	13.96	13.23	12.87	11.90	11.83	12.51	13.37
8	16.32	15.82	15.61	15.01	15.08	13.76	13.33	12.80	11.75	11.86	12.47	13.38
9	16.36	15.70	15.46	15.07	14.73	13.71	13.75	12.80	11.75	11.86	12.52	13.39
10	16.28	15.53	15.43	14.97	14.38	13.67	13.42	12.75	11.70	11.79	12.59	13.40
11	16.28	15.49	15.38	14.97	14.18	13.62	13.37	12.82	11.62	11.77	12.61	13.39
12	16.23	15.74	15.38	15.37	14.43	13.54	13.23	12.79	11.63	11.84	12.64	13.43
13	16.15	15.76	15.35	15.13	14.53	13.58	13.09	12.72	11.56	11.84	12.65	13.46
14	16.05	15.55	15.36	14.91	14.39	13.47	13.08	12.73	11.80	11.88	12.72	13.85
15	16.02	15.38	15.36	14.93	14.36	13.49	13.14	12.75	11.78	11.91	12.71	13.83
16	15.99	15.37	15.35	14.91	14.26	13.49	13.35	12.51	11.74	11.95	12.71	13.69
17	16.02	15.37	15.36	14.70	14.22	13.46	13.42	12.55	11.82	11.95	12.70	13.61
18	15.98	15.26	15.36	14.84	14.26	14.14	13.36	12.55	11.74	11.99	12.75	13.92
19	15.95	15.26	15.33	14.84	14.24	13.68	13.31	12.44	11.72	12.04	12.69	14.00
20	15.91	15.36	15.31	14.83	14.24	13.40	13.31	12.25	11.76	12.12	12.72	14.09
21	15.88	15.38	15.26	15.25	14.20	13.26	13.36	12.35	11.79	12.12	12.76	14.17
22	15.91	15.96	15.25	15.04	14.11	13.51	13.20	12.40	11.81	12.12	12.85	14.20
23	15.90	16.44	15.28	14.69	14.07	13.64	13.14	12.30	11.86	11.91	12.89	14.27
24	15.93	15.95	15.23	14.64	14.05	13.61	13.12	12.37	11.84	12.16	12.78	14.34
25	16.02	15.58	15.26	14.57	14.07	13.65	13.09	12.41	11.75	12.37	12.77	14.43
26	15.87	15.49	15.24	14.88	14.06	13.63	13.05	12.53	11.76	12.42	12.85	14.38
27	15.78	15.47	15.22	14.71	14.04	13.42	13.03	12.50	11.78	12.46	12.97	14.32
28	15.80	15.47	15.19	14.54	14.03	13.40	13.03	12.40	11.82	12.48	12.96	14.40
29	15.81	15.58	15.15	14.65	---	13.35	12.97	12.31	11.71	12.51	12.82	14.34
30	15.84	15.51	15.16	14.53	---	13.29	13.19	12.25	11.72	12.50	12.87	14.37
31	15.84	---	15.11	14.44	---	13.32	---	12.24	---	12.51	12.43	---
MEAN	16.08	15.65	15.37	14.91	14.33	13.63	13.26	12.62	11.83	12.05	12.68	13.75
MAX	16.54	16.44	15.91	15.37	15.08	14.14	13.75	13.07	12.18	12.51	12.97	14.43
MIN	15.78	15.26	15.11	14.44	14.03	13.26	12.97	12.24	11.56	11.77	12.43	12.68

CAL YR 1984 MEAN 16.00 MAX 17.21 MIN 15.11
WTR YR 1985 MEAN 13.84 MAX 16.54 MIN 11.56

02286400 MIAMI CANAL AT HGS-3, AND S-3, AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'55", long 80°48'25", in SE¼ sec.35, T.43 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, at hurricane gate structure and pump station 3 at Lake Okeechobee, 0.4 mi upstream from U.S. Highway 27 in Lake Harbor.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1939 to June 1943 (published as Miami Canal at Lake Harbor), October 1957 to current year. Prior to October 1940 monthly discharge only, published in WSP 1304.

GAGE.--Dual graphic water-stage recorder, digital lake and canal water-stage recorders, electromagnetic velocity meter and digital recorder, gate-opening indicator and pump tachometer. Datum of gage is National Geodetic Vertical Datum of 1929. Dec. 1, 1939 to June 30, 1943, nonrecording gage at site 0.4 mi downstream at same datum. Oct. 1, 1957, to Sept. 30, 1959, dual water-stage recorder at present site, at datum 0.05 ft lower and Oct. 1, 1959, to Feb. 7, 1962, at datum 0.22 ft lower. Oct. 1, 1957 to Sept. 30, 1968, two deflection vane recorders.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Discharge is summation of HGS-3 flow, S-3 pumpage and syphoning. 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 station 3 (negative figure indicates reverse flow). Discharge computed from relations between discharge, head, gate openings, and pump tachometer.

COOPERATION.--S-3 pump, syphon record and HGS-3 gate-operation record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--28 years (1957-85), 37.8 ft^3/s, 27,390 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,280 ft^3/s Mar. 24, 1966; maximum gage height (Miami Canal 14.92 ft present datum Mar. 21, 1960 and Oct. 2, 1965; maximum daily reverse flow, 2,790 ft^3/s Mar. 26, 1970; no flow on some days each year; minimum gage height (Miami Canal), 7.51 ft Oct. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,470 ft^3/s Feb. 28; maximum gage height (Miami Canal), 13.24 ft Apr. 16; maximum daily reverse flow, 2,150 ft^3/s July 25; no flow for some days during the year; minimum gage height, 9.22 ft July 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1720	386	.00	419	842	852	630	-659	339	.00	-1070	-289
2	-233	191	.00	424	873	877	237	.00	323	.00	-408	.00
3	.00	124	.00	431	903	855	.00	.00	526	.00	-675	-665
4	.00	.00	.00	155	894	834	447	.00	847	.00	-690	-360
5	.00	410	.00	.00	872	858	613	.00	1020	.00	-922	-685
6	.00	538	.00	.00	883	899	670	509	977	.00	-1090	-1070
7	.00	420	84	284	925	898	659	796	870	.00	-1040	-1060
8	.00	199	191	436	887	859	368	844	731	192	-500	-662
9	.00	334	178	251	694	852	.00	843	756	210	-929	-665
10	.00	494	175	152	676	835	.00	408	855	92	-925	-1080
11	.00	479	172	338	454	804	.00	.00	694	70	-906	-1070
12	145	498	172	480	632	849	.00	.00	369	-175	-723	-925
13	216	501	172	452	926	921	.00	440	69	-1010	-927	-899
14	211	493	176	419	898	881	.00	800	.00	-274	-931	-873
15	213	486	176	407	893	887	.00	894	.00	-1060	-930	-868
16	212	500	177	405	879	609	-1420	872	.00	-1100	-924	-867
17	213	503	313	392	885	193	-552	818	.00	-1460	-894	-872
18	426	496	475	411	901	.00	.00	848	59	-1070	-296	-974
19	397	494	327	382	959	439	.00	854	82	-1410	.00	-1050
20	324	502	167	400	957	682	.00	432	.00	-2090	-321	-1930
21	318	208	167	472	939	416	.00	.00	.00	-1970	-425	-1090
22	112	.00	167	666	929	-554	537	493	.00	-1370	-918	-980
23	.00	-910	170	402	909	.00	810	736	.00	-1260	-524	-487
24	100	-1160	170	.00	904	.00	819	246	.00	-1690	.00	.00
25	216	.00	171	.00	918	.00	849	.00	.00	-2150	.00	.00
26	73	.00	168	.00	912	.00	868	.00	.00	-1370	-261	.00
27	.00	.00	165	.00	1210	64	860	.00	.00	-978	-240	.00
28	.00	.00	354	495	1470	97	879	45	.00	-879	-517	.00
29	363	.00	434	858	---	388	822	132	.00	-782	-796	.00
30	521	.00	423	812	---	648	-362	267	.00	-785	-486	.00
31	505	---	414	818	---	626	---	337	---	-1530	.00	---
TOTAL	2612.00	6186.00	5758.00	11161.00	25024	16569.00	7734.00	10955.00	8517.00	-23849.00	-19268.00	-19421.00
MEAN	84.3	206	186	360	894	534	258	353	284	-769	-622	-647
MAX	521	538	475	858	1470	921	879	894	1020	210	.00	.00
MIN	-1720	-1160	.00	.00	454	-554	-1420	-659	.00	-2150	-1090	-1930
AC-FT	5180	12270	11420	22140	49640	32860	15340	21730	16890	-47300	-38220	-38520

CAL YR 1984	TOTAL	99618.00	MEAN	272	MAX	1150	MIN	-1970	AC-FT	197600
WTR YR 1985	TOTAL	31978.00	MEAN	87.6	MAX	1470	MIN	-2150	AC-FT	63430

02286400 MIAMI CANAL AT HGS-3, AND S-3, AT LAKE HARBOR, FL

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.29	11.77	11.46	11.89	11.93	11.89	11.86	11.88	11.27	11.15	10.53	11.30
2	10.28	11.52	11.67	11.83	11.77	11.82	11.50	12.22	11.35	11.95	11.31	11.86
3	9.91	11.25	11.66	11.62	11.69	11.81	11.01	11.75	11.34	10.57	11.56	11.99
4	11.85	10.87	11.51	11.86	11.76	11.83	11.15	11.17	11.42	10.22	12.06	11.46
5	12.09	10.94	11.31	11.58	11.76	11.71	11.70	10.79	11.74	10.92	12.05	12.31
6	11.74	11.56	11.25	11.21	11.74	11.61	11.58	11.62	11.64	10.78	11.71	11.94
7	11.79	11.65	11.05	11.25	11.63	11.65	11.61	12.09	11.64	10.66	11.42	11.56
8	11.66	11.18	11.03	11.55	11.71	11.60	12.17	11.91	11.58	10.83	11.78	11.43
9	11.59	11.08	11.29	11.70	11.48	11.58	12.29	11.91	11.58	11.42	11.47	12.18
10	11.36	11.39	11.36	11.39	11.21	11.62	11.52	11.88	11.48	11.44	11.40	12.25
11	11.09	11.56	11.39	11.34	11.09	11.70	10.72	11.88	11.47	11.20	10.89	11.91
12	11.06	11.61	11.40	11.37	10.95	11.63	10.94	11.54	11.55	11.54	11.16	11.50
13	11.20	11.61	11.31	11.48	11.55	11.76	10.71	11.82	11.40	10.51	11.52	11.51
14	11.18	11.43	11.16	11.70	11.56	11.77	10.83	11.91	12.03	10.65	11.71	11.15
15	11.00	11.29	11.14	11.90	11.56	11.77	11.25	11.73	11.60	10.68	11.69	10.97
16	11.01	11.01	11.10	11.89	11.53	12.65	11.38	11.63	11.76	11.11	11.45	10.82
17	11.00	10.97	11.06	11.80	11.45	12.68	11.85	11.95	11.66	10.59	10.62	10.87
18	11.05	10.94	11.44	11.73	11.39	11.94	10.64	11.90	11.48	10.57	10.62	11.54
19	11.47	10.96	11.66	12.14	11.43	11.60	11.64	11.76	11.48	10.40	11.83	11.99
20	11.50	11.00	11.47	11.88	11.68	11.68	11.24	11.54	11.46	10.53	12.15	11.41
21	11.61	11.14	11.37	11.32	11.73	11.68	11.25	11.44	11.66	10.10	12.31	10.69
22	11.60	10.98	11.32	11.04	11.67	11.50	11.57	11.56	11.59	10.37	11.48	12.44
23	11.18	11.23	11.26	11.49	11.73	11.28	11.82	11.77	11.55	10.58	10.85	10.98
24	10.87	10.08	11.14	11.51	11.73	10.43	11.77	11.90	11.24	10.81	11.59	11.05
25	10.87	11.21	11.15	11.45	11.68	10.27	11.63	12.20	11.03	11.08	11.95	11.72
26	10.97	10.71	11.29	11.21	11.70	10.41	11.51	10.12	11.22	10.08	11.72	11.80
27	10.94	10.80	11.34	10.94	12.46	10.47	11.52	10.79	11.38	10.28	11.35	12.01
28	10.66	11.36	11.43	11.15	12.24	10.59	11.45	10.99	11.02	10.22	11.35	12.22
29	10.64	11.50	11.80	12.11	---	10.85	11.55	10.98	10.54	9.87	10.64	12.48
30	11.39	11.43	11.98	12.23	---	11.72	12.46	11.01	10.77	9.91	10.21	12.51
31	11.65	---	12.03	12.10	---	11.87	---	11.37	---	10.10	10.97	---
MEAN	11.18	11.20	11.38	11.60	11.64	11.53	11.47	11.58	11.43	10.68	11.40	11.66
MAX	12.09	11.77	12.03	12.23	12.46	12.68	12.46	12.22	12.03	11.95	12.31	12.51
MIN	9.91	10.08	11.03	10.94	10.95	10.27	10.64	10.12	10.54	9.87	10.21	10.69

CAL YR 1984 MEAN 11.50 MAX 12.79 MIN 9.39
WTR YR 1985 MEAN 11.39 MAX 12.68 MIN 9.87

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

LOCATION.--Lat 26°45'14", long 80°55'07", in NW¼ sec.14, T.43 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on south side of U.S. Highway 27 bridge, 0.8 mi south of Okeechobee Waterway, and 0.8 mi east of Clewiston post office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to September 1979, October 1979 to September 1981 (gage heights), October 1982 to current year.

GAGE.--Water-stage recorder and electromagnetic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1979, at datum 0.24 ft lower.

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by hurricane gate at Lake Okeechobee.

AVERAGE DISCHARGE.--6 years (water years 1977-79, 1983-85), 30.3 ft^3/s, 21,950 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 625 ft^3/s June 6, 1984; maximum gage height, 19.17 ft Mar. 7, 1983; maximum daily reverse flow, 1,400 ft^3/s July 4, 1984; minimum gage height, 9.60 ft July 12, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 259 ft^3/s Oct. 2; maximum gage height, 16.76 ft Oct. 2; no flow some days during the year; maximum daily reverse flow, 457 ft^3/s Sept. 21; minimum gage height, 11.22 ft June 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	119	125	97	101	107	96	30	91	9.2	10	-17
2	259	116	120	104	66	127	55	41	93	-22	21	34
3	231	110	58	99	101	119	104	-16	104	23	-.60	25
4	169	120	52	48	113	94	129	67	123	56	-173	-.30
5	117	134	116	96	110	101	114	62	105	43	-27	-42
6	120	178	132	113	115	122	133	79	111	59	-17	-48
7	148	191	94	107	128	106	113	67	121	56	-13	-.30
8	159	161	121	108	123	111	20	123	101	82	2.5	35
9	169	148	145	98	138	113	54	139	110	128	-21	-50
10	143	144	143	101	109	118	86	97	101	90	23	-67
11	156	138	117	99	93	118	88	118	64	66	30	-36
12	137	173	131	157	120	131	46	151	-34	43	-1.6	-71
13	116	159	135	169	176	123	6.0	118	-45	51	-84	22
14	132	140	127	41	151	117	35	131	-82	-55	-38	44
15	154	138	158	68	98	104	-27	163	25	-7.2	-78	44
16	166	137	115	106	151	.00	-69	165	-18	21	-43	18
17	176	116	175	103	131	.00	76	151	-.90	-13	-31	67
18	117	121	144	104	122	31	-27	165	15	-19	66	-148
19	119	108	139	91	108	77	103	171	66	-61	34	-123
20	101	124	170	145	109	90	90	136	85	-52	-52	-224
21	105	90	124	174	106	28	99	94	67	-8.5	-74	-457
22	113	-40	119	218	100	.00	102	131	69	-49	-12	-19
23	132	-227	117	68	96	115	110	117	84	-145	29	23
24	133	-50	108	28	95	42	131	-4.7	71	7.7	36	33
25	143	56	102	91	111	137	147	47	69	-78	53	57
26	127	147	89	131	110	136	133	49	15	-39	50	91
27	119	226	96	105	120	170	129	64	55	-196	5.0	72
28	114	156	99	117	102	196	158	44	87	-61	38	52
29	115	135	92	137	---	226	173	60	64	-43	9.1	.80
30	101	151	109	96	---	140	-259	100	74	-60	49	-67
31	176	---	99	94	---	142	---	130	---	-9.7	32	---
TOTAL	4483	3419	3671	3313	3203	3241.00	2148.0	2989.3	1790.10	-183.5	-177.60	-751.80
MEAN	145	114	118	107	114	105	71.6	96.4	59.7	-5.92	-5.73	-25.1
MAX	259	226	175	218	176	226	173	171	123	128	66	91
MIN	101	-227	52	28	66	.00	-259	-16	-82	-196	-173	-457
AC-FT	8890	6780	7280	6570	6350	6430	4260	5930	3550	-364	-352	-1490

CAL YR 1984	TOTAL	48190.00	MEAN	132	MAX 625	MIN	-1400	AC-FT	95580
WTR YR 1985	TOTAL	27144.50	MEAN	74.4	MAX 259	MIN	-457	AC-FT	53840

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.39	15.95	15.63	15.21	14.58	14.05	13.40	13.20	12.30	11.99	12.56	12.89
2	16.59	15.88	15.57	15.19	14.55	14.04	13.54	13.07	12.27	12.00	12.54	13.18
3	16.46	15.79	15.59	15.12	14.62	14.18	13.53	12.90	12.24	12.03	12.57	13.20
4	16.41	15.78	15.61	15.11	14.64	14.02	13.42	13.12	12.24	11.99	12.64	13.23
5	16.36	15.78	15.54	15.20	14.56	13.97	13.33	13.27	12.27	11.94	12.61	13.26
6	16.37	16.04	15.53	15.17	14.57	14.05	13.38	13.13	12.17	11.91	12.56	13.35
7	16.34	16.09	15.80	15.10	14.70	14.25	13.35	13.01	12.04	11.94	12.56	13.43
8	16.41	15.83	15.62	15.08	15.01	13.94	13.45	12.93	11.91	11.94	12.52	13.47
9	16.43	15.74	15.53	15.11	14.78	13.83	13.80	12.96	11.90	11.90	12.57	13.46
10	16.34	15.61	15.49	15.05	14.53	13.78	13.55	12.90	11.83	11.85	12.62	13.47
11	16.32	15.54	15.45	15.03	14.37	13.75	13.43	12.91	11.80	11.83	12.66	13.45
12	16.30	15.65	15.45	15.28	14.27	13.67	13.42	12.91	11.83	11.92	12.70	13.48
13	16.24	15.73	15.44	15.13	14.45	13.69	13.21	12.86	11.71	11.91	12.75	13.51
14	16.14	15.60	15.46	14.97	14.42	13.60	13.17	12.85	11.95	11.93	12.84	13.92
15	16.12	15.47	15.45	14.97	14.40	13.60	13.26	12.86	11.97	11.95	12.81	13.96
16	16.10	15.45	15.45	14.97	14.35	13.61	13.39	12.67	11.89	11.97	12.81	13.84
17	16.13	15.44	15.45	14.80	14.33	13.46	13.48	12.53	11.94	11.97	12.77	13.69
18	16.10	15.39	15.45	14.89	14.36	13.94	13.52	12.58	11.87	12.03	12.79	13.96
19	16.08	15.35	15.42	14.91	14.33	13.79	13.46	12.58	11.88	12.08	12.76	14.07
20	16.07	15.44	15.39	14.86	14.34	13.62	13.46	12.40	11.88	12.16	12.81	14.13
21	16.02	15.47	15.36	15.04	14.37	13.53	13.54	12.47	11.93	12.19	12.85	14.21
22	16.05	15.86	15.34	14.90	14.30	13.58	13.44	12.50	11.96	12.20	12.92	14.26
23	16.06	15.88	15.36	14.73	14.22	13.68	13.35	12.44	11.99	12.10	12.98	14.33
24	16.07	15.82	15.35	14.72	14.19	13.66	13.28	12.47	11.97	12.21	12.89	14.40
25	16.13	15.65	15.37	14.64	14.17	13.70	13.23	12.48	11.90	12.43	12.89	14.45
26	15.98	15.61	15.37	14.88	14.15	13.79	13.19	12.66	11.88	12.49	13.00	14.34
27	15.92	15.59	15.37	14.77	14.11	13.62	13.17	12.65	11.88	12.54	13.12	14.34
28	15.93	15.56	15.33	14.62	14.11	13.56	13.12	12.54	11.88	12.55	13.13	14.47
29	15.94	15.63	15.28	14.71	---	13.53	13.06	12.46	11.78	12.57	12.96	14.46
30	15.97	15.58	15.28	14.66	---	13.48	13.31	12.40	11.85	12.58	12.96	14.49
31	15.98	---	15.26	14.60	---	13.45	---	12.32	---	12.56	12.56	---
MEAN	16.19	15.67	15.45	14.95	14.42	13.76	13.37	12.74	11.96	12.12	12.76	13.82
MAX	16.59	16.09	15.80	15.28	15.01	14.25	13.80	13.27	12.30	12.58	13.13	14.49
MIN	15.92	15.35	15.26	14.60	14.11	13.45	13.06	12.32	11.71	11.83	12.52	12.89

CAL YR 1984 MEAN 16.09 MAX 17.06 MIN 15.26
WTR YR 1985 MEAN 13.93 MAX 16.59 MIN 11.71

02287400 MIAMI CANAL AT BROKEN DAM, NEAR MIAMI, FL

LOCATION.--Lat 25°56'00", long 80°25'50", in SW¼ sec.10, T.52 S., R.39 E., 15 ft from left bank, 0.5 mi downstream from levee 30, 13.6 mi upstream from salinity-control structure, 19 mi northwest of Miami, Dade County and 19.3 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to September 1967, October 1984 to current year.

GAGE.--Water-stage recorder and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929. November 1959 to September 1967, dual water-stage and deflection vane recorder.

REMARKS.--Records poor. Flow affected by regulation at downstream salinity-control structure and by upstream storage release at control structure 32.

COOPERATION.--Records of control structure 32 operation are provided by South Florida Water Management District.

AVERAGE DISCHARGE.--7 years (1960-1967), 262 ft^3/s, 189,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, indeterminate; maximum gage height, 6.21 ft July 30, 1966; minimum daily discharge, 39 ft^3/s June 29, 1985; minimum gage height, 1.40 ft May 31, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 283 ft^3/s Nov. 23; maximum gage height, 3.96 ft Sept. 19; minimum gage height, 2.06 ft June 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	237	253	175	129	211	---	73	158	56	108	120
2	244	231	247	171	123	321	---	69	143	63	e107	131
3	249	227	230	181	113	325	140	71	130	56	e108	124
4	253	209	225	188	144	317	141	61	127	56	e109	126
5	250	201	221	191	165	308	131	63	122	47	e107	134
6	240	213	245	193	147	322	121	82	120	44	e105	130
7	225	193	271	190	149	319	107	79	117	41	e104	127
8	209	172	258	203	187	326	184	137	115	30	108	131
9	211	171	259	206	163	294	163	162	137	25	98	126
10	233	177	254	215	144	290	124	132	152	34	100	125
11	221	216	249	215	143	278	134	65	155	34	111	116
12	221	230	253	189	130	257	151	69	103	39	95	121
13	213	249	249	188	128	255	134	61	27	48	97	143
14	205	282	242	179	121	251	129	135	36	46	100	146
15	212	262	241	165	109	256	145	178	45	60	102	109
16	208	261	236	184	98	---	112	187	38	62	115	107
17	206	255	223	179	88	---	96	208	34	51	115	108
18	231	238	216	149	86	---	98	224	31	61	116	141
19	238	257	203	173	77	---	106	227	33	91	124	136
20	232	248	205	168	73	---	119	219	112	112	107	124
21	233	243	231	178	89	---	127	225	196	101	111	106
22	224	249	226	167	129	---	120	217	174	82	107	100
23	223	283	217	158	159	---	115	200	207	111	115	103
24	213	253	212	157	136	---	99	210	126	103	123	109
25	206	250	208	139	122	---	95	219	76	119	119	122
26	200	266	212	142	104	---	87	209	68	111	119	107
27	223	266	188	155	107	---	83	197	58	114	121	128
28	215	258	178	150	105	---	78	108	45	101	101	131
29	229	242	171	143	---	---	67	43	39	97	128	118
30	238	238	177	144	---	---	61	116	44	94	140	110
31	240	---	177	132	---	---	---	163	---	97	134	---
TOTAL	7003	7077	6977	5367	3468	---	---	4409	2968	2186	3454	3659
MEAN	226	236	225	173	124	---	---	142	98.9	70.5	111	122
MAX	258	283	271	215	187	---	---	227	207	119	140	146
MIN	200	171	171	132	73	---	---	43	27	25	95	100
AC-FT	13890	14040	13840	10650	6880	---	---	8750	5890	4340	6850	7260

e Estimated

02287400 MIAMI CANAL AT BROKEN DAM, NEAR MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.62	2.94	3.12	2.91	2.60	2.58	2.39	2.29	2.41	2.74	2.90	2.89
2	3.55	2.96	3.05	2.89	2.59	2.86	2.32	2.25	2.39	2.72	e2.84	2.80
3	3.45	2.94	3.00	2.87	2.59	2.90	2.36	2.22	2.35	2.68	e2.95	2.87
4	3.35	2.93	2.93	2.87	2.59	2.93	2.36	2.19	2.31	2.68	e3.00	2.81
5	3.30	2.95	2.95	2.87	2.59	2.93	2.33	2.19	2.28	2.68	e2.86	2.78
6	3.20	2.94	2.94	2.85	2.57	2.92	2.29	2.16	2.24	2.61	e2.82	2.79
7	3.19	2.90	2.96	2.83	2.53	2.95	2.27	2.12	2.21	2.56	e2.78	2.77
8	3.15	2.93	2.94	2.81	2.50	2.95	2.45	2.27	2.18	2.51	2.72	2.79
9	3.11	2.96	2.97	2.79	2.51	2.84	2.72	2.54	2.22	2.45	2.75	2.83
10	3.08	2.93	2.98	2.77	2.51	2.82	2.49	2.48	2.41	2.47	2.72	2.80
11	3.06	2.96	2.96	2.75	2.51	2.80	2.43	2.28	2.46	2.57	3.01	2.78
12	3.04	2.94	2.93	2.73	2.48	2.79	2.40	2.23	2.41	2.56	2.91	2.78
13	3.01	2.91	2.96	2.72	2.45	2.77	2.48	2.20	2.31	2.62	2.84	2.79
14	3.02	2.83	2.98	2.72	2.45	2.76	2.54	2.37	2.28	2.67	2.80	2.88
15	3.00	2.82	2.98	2.70	2.44	2.75	2.64	2.56	2.24	2.72	2.78	2.85
16	3.00	2.80	2.93	2.69	2.44	2.75	2.71	2.55	2.17	2.68	2.75	2.92
17	2.99	2.80	2.98	2.68	2.46	2.76	2.63	2.54	2.10	2.81	2.76	2.96
18	2.97	2.89	2.95	2.68	2.45	2.82	2.61	2.51	2.03	2.92	2.85	3.40
19	2.98	2.90	2.95	2.73	2.44	2.79	2.56	2.51	1.97	2.94	2.83	3.64
20	2.99	2.89	2.95	2.71	2.43	2.75	2.51	2.48	2.10	2.82	2.78	3.75
21	2.97	2.93	2.96	2.66	2.44	2.78	2.54	2.46	2.41	2.75	2.77	3.62
22	3.01	2.90	2.96	2.65	2.44	2.95	2.52	2.38	2.48	2.79	2.76	3.50
23	2.98	2.98	2.92	2.63	2.44	2.86	2.48	2.27	2.80	3.23	2.80	3.38
24	2.95	2.97	2.94	2.62	2.44	2.82	2.44	2.34	2.82	3.69	2.91	3.27
25	2.96	2.94	2.97	2.63	2.43	2.77	2.40	2.71	2.89	3.50	2.76	3.18
26	2.95	2.98	2.94	2.61	2.41	2.72	2.37	2.93	2.75	3.37	2.70	3.12
27	2.99	2.96	2.97	2.62	2.39	2.87	2.34	2.85	2.69	3.27	2.78	3.06
28	2.99	2.97	2.89	2.62	2.37	2.88	2.30	2.59	2.58	3.11	2.83	3.00
29	2.98	2.90	2.93	2.59	---	2.65	2.29	2.29	2.51	2.97	3.09	3.00
30	2.96	3.02	2.93	2.60	---	2.61	2.34	2.32	2.56	2.86	3.02	2.97
31	2.94	---	2.93	2.60	---	2.58	---	2.43	---	2.85	2.94	---
MEAN	3.09	2.92	2.96	2.72	2.48	2.80	2.45	2.40	2.39	2.83	2.84	3.03
MAX	3.62	3.02	3.12	2.91	2.60	2.95	2.72	2.93	2.89	3.69	3.09	3.75
MIN	2.94	2.80	2.89	2.59	2.37	2.58	2.27	2.12	1.97	2.45	2.70	2.77

WTR YR 1985 MEAN 2.75 MAX 3.75 MIN 1.97

e Estimated

02288600 MIAMI CANAL AT NW 36TH STREET, MIAMI, FL
(National stream-quality accounting network station)

LOCATION.--Lat 25°48'29", long 80°15'49", in NE¼ sec.29, T.53 S., R.41 E., Dade County, Hydrologic Unit 03090202, on right bank at downstream end of NW 36th Street bridge fender at Miami, 200 ft upstream from salinity-control structure S-26.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1959 to current year.

GAGE.--Water-stage recorder and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929. (Dade County bench mark).

REMARKS.--Records fair, except those for estimated daily discharge, which are poor. Flow affected by tide and is occasionally reversed. Some seepage losses above station into Miami-Dade Water and Sewer Authority well field for ground-water withdrawals. Natural flow materially affected by levee and control structures 31, 32 and 32A about 14 mi upstream, and structure 26 downstream. Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--26 years, 265 ft^3/s, 192,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,900 ft^3/s Oct. 2, 1959; maximum gage height, 5.14 ft Sept. 8, 1965; maximum reverse flow, 1,400 ft^3/s, estimated, Sept. 8, 1965, from hurricane tide; minimum gage height, -0.55 ft Apr. 26, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 548 ft^3/s Oct. 1; maximum gage height, 3.32 ft Sept. 19; no flow for many days during year; minimum gage height, 0.86 ft June 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	548	105	307	.00	.00	.00	.00	.00	.00	123	219	221
2	495	155	281	.00	.00	.00	.00	.00	.00	92	276	200
3	427	215	243	.00	.00	.00	.00	.00	.00	29	304	238
4	295	204	237	8.9	.00	.00	.00	.00	.00	8.6	305	232
5	149	170	130	.00	.00	.00	.00	.00	.00	.00	e260	195
6	140	159	128	.00	.00	.00	.00	.00	.00	.00	265	141
7	288	122	118	.00	.00	.00	.00	.00	.00	.00	288	147
8	275	73	76	.00	.00	.00	.00	.00	.00	.00	253	166
9	357	22	80	.00	.00	.00	25	.00	.00	.00	223	151
10	322	84	58	.00	.00	.00	.00	.00	.00	.00	244	108
11	222	50	102	.00	.00	.00	.00	.00	.00	.00	336	85
12	e200	41	35	.00	.00	.00	.00	.00	.00	.00	290	83
13	e175	101	34	.00	.00	.00	.00	.00	.00	9.2	220	96
14	e175	142	31	.00	.00	.00	.00	.00	.00	37	188	104
15	e160	120	.00	.00	.00	.00	71	.00	.00	38	87	121
16	e160	117	71	.00	.00	.00	122	.00	.00	138	82	129
17	e125	82	19	.00	.00	.00	.00	.00	.00	110	94	156
18	e150	24	24	.00	.00	.00	.00	.00	.00	e110	96	e260
19	e120	5.4	9.6	.00	.00	.00	.00	.00	.00	e110	124	258
20	e100	.00	11	.00	.00	.00	.00	.00	.00	e100	115	e200
21	e80	60	9.0	.00	.00	.00	.00	.00	.00	e100	81	e200
22	e115	114	13	.00	.00	105	.00	.00	.00	e100	95	e175
23	e150	112	34	.00	.00	.00	.00	.00	23	e100	47	e175
24	e139	97	24	.00	.00	.00	.00	.00	23	e150	169	e150
25	e105	123	8.1	.00	.00	.00	.00	25	145	127	200	125
26	e138	5.8	42	.00	.00	.00	.00	22	75	176	115	147
27	e100	45	8.6	.00	.00	.00	.00	.00	6.1	e200	109	211
28	e100	30	63	.00	.00	49	.00	.00	17	e200	76	208
29	e100	42	.00	.00	---	.00	.00	.00	.00	e200	313	224
30	e75	82	.00	.00	---	.00	.00	.00	60	212	278	223
31	151	---	.00	.00	---	.00	---	.00	---	265	227	---
TOTAL	6136	2702.20	2196.30	8.90	.00	154.00	218.00	47.00	349.10	2734.80	5979	5129
MEAN	198	90.1	70.8	.29	.000	4.97	7.27	1.52	11.6	88.2	193	171
MAX	548	215	307	8.9	.00	105	122	25	145	265	336	260
MIN	75	.00	.00	.00	.00	.00	.00	.00	.00	.00	47	83
AC-FT	12170	5360	4360	18	.00	305	432	93	692	5420	11860	10170

CAL YR 1984	TOTAL	67344.60	MEAN	184	MAX	1050	MIN	.00	AC-FT	133600
WTR YR 1985	TOTAL	25654.30	MEAN	70.3	MAX	548	MIN	.00	AC-FT	50890

e Estimated

02288600 MIAMI CANAL AT NW 36TH STREET, MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	2.70	2.52	2.79	2.52	2.46	2.55	2.41	2.47	2.63	2.70	2.59
2	2.59	2.68	2.49	2.79	2.53	2.64	2.51	2.37	2.46	2.69	2.61	2.56
3	2.55	2.61	2.54	2.78	2.53	2.66	2.51	2.35	2.44	2.76	2.64	2.60
4	2.59	2.61	2.49	2.78	2.52	2.67	2.46	2.32	2.39	2.81	2.64	2.56
5	2.68	2.66	2.63	2.79	2.52	2.68	2.42	2.30	2.35	2.82	2.57	2.55
6	2.55	2.67	2.65	2.77	2.52	2.69	2.41	2.27	2.31	2.76	2.54	2.63
7	2.67	2.68	2.69	2.75	2.52	2.70	2.39	2.23	2.28	2.71	2.51	2.61
8	2.63	2.75	2.71	2.74	2.52	2.72	2.47	2.29	2.25	2.67	2.47	2.57
9	2.68	2.81	2.80	2.72	2.50	2.68	2.74	2.48	2.29	2.62	2.55	2.62
10	2.64	2.72	2.82	2.70	2.50	2.67	2.56	2.48	2.47	2.63	2.54	2.67
11	2.69	2.78	2.74	2.69	2.49	2.66	2.49	2.41	2.51	2.71	2.56	2.67
12	2.65	2.79	2.75	2.68	2.50	2.64	2.46	2.36	2.52	2.72	2.54	2.70
13	2.64	2.71	2.78	2.66	2.47	2.63	2.55	2.32	2.49	2.75	2.60	2.66
14	2.68	2.60	2.81	2.65	2.46	2.61	2.63	2.38	2.45	2.72	2.62	2.79
15	2.66	2.58	2.84	2.64	2.46	2.61	2.60	2.52	2.37	2.70	2.72	2.68
16	2.68	2.58	2.72	2.62	2.45	2.60	2.63	2.52	2.31	2.56	2.74	2.71
17	2.71	2.61	2.82	2.61	2.46	2.63	2.70	2.51	2.26	2.65	2.73	2.70
18	2.63	2.73	2.80	2.62	2.46	2.69	2.69	2.47	2.20	2.57	2.78	2.75
19	2.68	2.76	2.82	2.66	2.46	2.63	2.64	2.45	2.14	2.59	2.72	2.82
20	2.70	2.77	2.82	2.64	2.46	2.59	2.60	2.43	2.18	2.55	2.68	2.71
21	2.66	2.76	2.82	2.63	2.43	2.60	2.63	2.41	2.38	2.56	2.72	2.67
22	2.77	2.65	2.82	2.59	2.41	2.69	2.60	2.37	2.47	2.58	2.73	2.68
23	2.74	2.75	2.76	2.57	2.42	2.80	2.57	2.28	2.59	2.58	2.82	2.65
24	2.66	2.76	2.79	2.56	2.42	2.78	2.53	2.33	2.74	2.60	2.74	2.67
25	2.74	2.68	2.84	2.57	2.42	2.74	2.51	2.56	2.57	2.61	2.54	2.73
26	2.61	2.83	2.74	2.57	2.41	2.69	2.47	2.80	2.70	2.68	2.58	2.78
27	2.68	2.76	2.83	2.55	2.40	2.71	2.44	2.78	2.83	2.64	2.66	2.72
28	2.68	2.80	2.70	2.55	2.40	2.69	2.42	2.66	2.65	2.59	2.75	2.68
29	2.71	2.73	2.82	2.54	---	2.63	2.42	2.45	2.68	2.53	2.66	2.67
30	2.75	2.76	2.83	2.52	---	2.60	2.45	2.41	2.62	2.51	2.63	2.65
31	2.65	---	2.81	2.52	---	2.58	---	2.49	---	2.55	2.65	---
MEAN	2.66	2.71	2.74	2.65	2.47	2.66	2.54	2.43	2.45	2.65	2.64	2.67
MAX	2.77	2.83	2.84	2.79	2.53	2.80	2.74	2.80	2.83	2.82	2.82	2.82
MIN	2.55	2.58	2.49	2.52	2.40	2.46	2.39	2.23	2.14	2.51	2.47	2.55

CAL YR 1984 MEAN 2.61 MAX 2.84 MIN 1.35
WTR YR 1985 MEAN 2.61 MAX 2.84 MIN 2.14

02288600 MIAMI CANAL AT NW 36TH STREET, MIAMI, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REMARKS.--Samples collected periodically since 1939 for specific conductance and chlorides. Site also sampled as a part of QW investigations. Station has been operated since 1974 as part of National Stream Quality Accounting Network.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)
NOV												
20...	1235	--	--	24.0	764	1028	80010	11	670	5.9	7.04	7.80
DEC												
12...	1015	--	30.0	--	--	1028	1028	--	600	--	7.30	--
12...	1315	0.5	90.0	20.0	--	1028	1028	--	--	4.6	--	--
FEB												
20...	1035	--	--	23.0	760	1028	80010	1.0	690	--	7.10	8.00
APR												
16...	1020	0.5	--	25.0	762	1028	80010	0.5	700	6.4	7.00	7.80
JUL												
16...	--	--	--	--	--	1028	1028	--	--	--	--	--
16...	1055	--	--	28.0	764	1028	80010	1.0	550	7.2	7.90	7.50

DATE	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
NOV												
20...	40	--	0.26	1.6	0.11	<0.01	<0.01	0.02	70	13	57	2.6
DEC												
12...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
20...	48	312	0.06	2.4	0.20	0.04	<0.01	0.03	69	16	60	3.8
APR												
16...	64	328	0.11	0.9	<0.10	<0.01	<0.01	<0.01	69	14	55	2.3
JUL												
16...	--	--	--	--	--	--	--	--	--	--	--	--
16...	5.2	216	0.05	1.7	0.19	<0.01	<0.01	<0.01	70	10	40	2.7

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
NOV											
20...	88	6.2	0.3	9.5	<1	40	<0	1	<1	<3	1
DEC											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
FEB											
20...	91	25	0.4	5.1	<1	43	<0.5	2	<1	<3	2
APR											
16...	85	7.1	0.3	7.3	1	39	<0.5	<1	2	<3	3
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	61	15	0.2	6.6	2	33	<0.5	1	<1	<3	3

02288600 MIAMI CANAL AT NW 36TH STREET, MIAMI, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
NOV											
20...	91	2	2	<10	<1	<1	920	<6	6	30	<100
DEC											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
FEB											
20...	62	2	1	<10	1	<1	1100	<6	9	--	--
APR											
16...	23	4	2	<10	4	<1	950	<6	33	30	10
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	21	2	1	<10	2	<1	820	<6	27	--	--

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	
NOV												
20...	20	<4	<1	230	110	466	<1	<0.1	1	652	229	
DEC												
12...	--	--	--	--	--	--	--	--	--	--		--
12...	--	--	--	--	--	--	--	--	--	--		--
FEB												
20...	10	9	<1	--	--	441	--	0.3	--	733	214	
APR												
16...	10	6	<1	500	280	387	--	0.1	--	691	224	
JUL												
16...	--	--	--	360	530	--	--	--	--	--		--
16...	<10	5	<1	--	--	366	50	0.1	2	596	210	

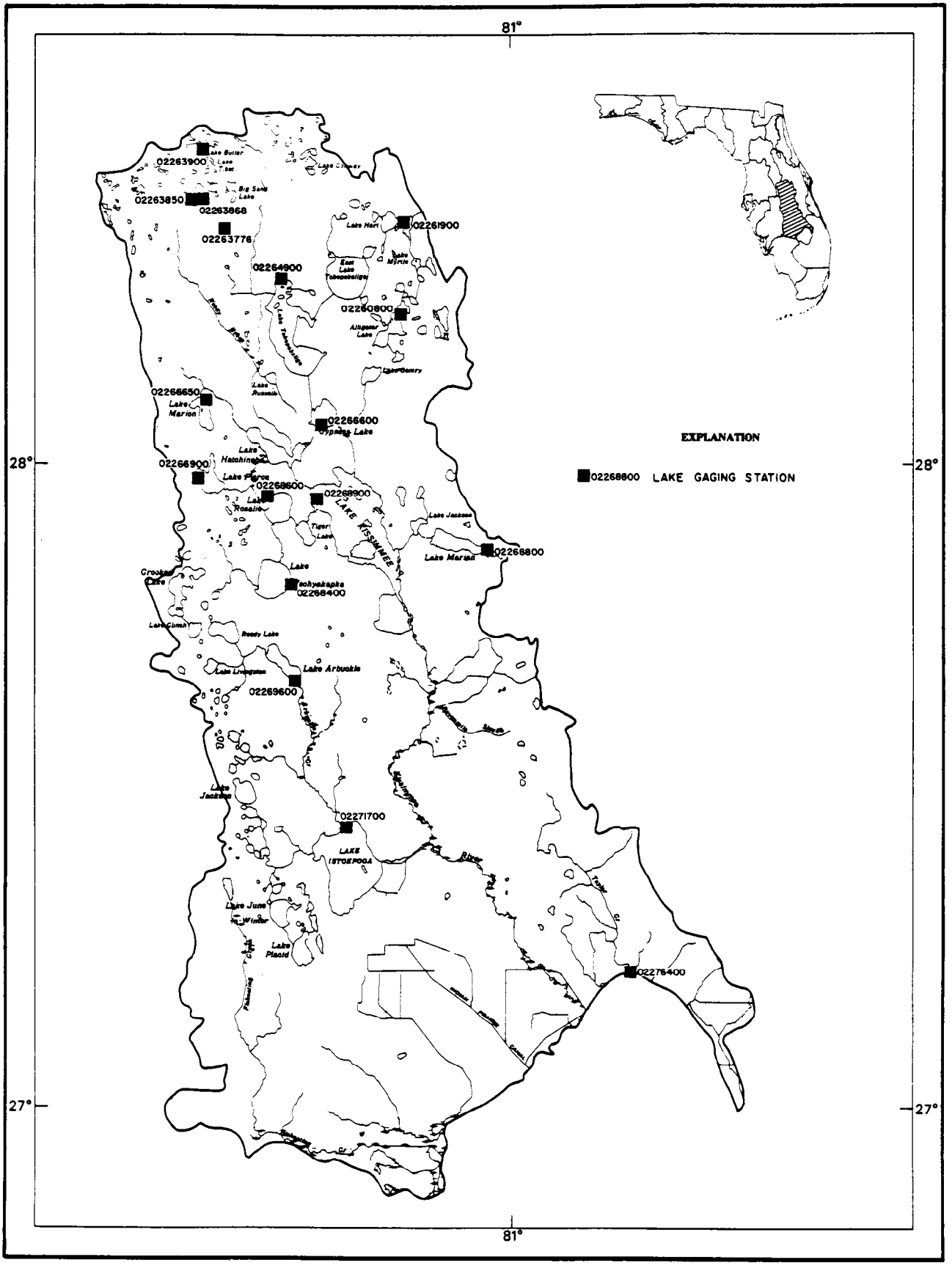


Figure 12. Location of lake gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest

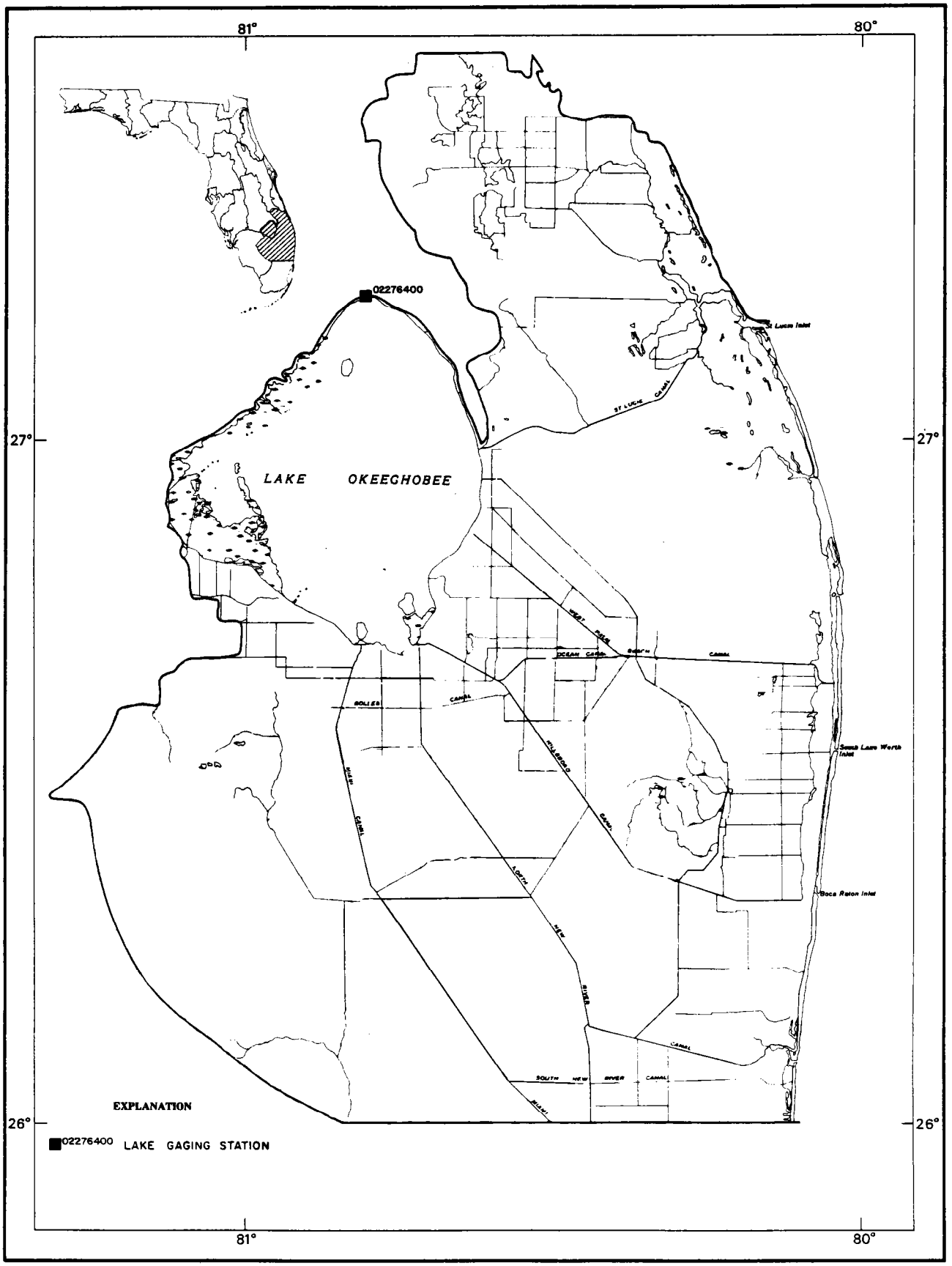


Figure 13. Location of lake gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

LOCATION.--Lat 25°53'10", long 81°15'30", in NW¼ sec.6, T.53 S., R.31 E., Collier County, Hydrologic Unit 03090204, on downstream side of bridge 84 on U.S. Highway 41, 7 mi east of Carnestown, and 10 mi west of Monroe.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 2, 1963, at site 2 mi 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.

REMARKS.--Records fair, except those for estimated daily discharge, which are poor. Figures of discharge consist of runoff from Big Cypress Watershed as represented by flow through all the outlets of the Tamiami Canal from Monroe, 55 mi west of Miami, to a point 1 mi east of the intersection with State Highway 29 at Carnestown. Flow at westernmost outlets slightly affected by tide.

AVERAGE DISCHARGE.--25 years, 384 ft^3/s, 278,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,010 ft^3/s Sept. 13, 1960; maximum gage height, 5.90 ft present datum Sept. 14, 1960; no flow for many days in some years; minimum gage height observed, -0.43 ft present datum May 30, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5,220 ft^3/s July 25; maximum gage height, 5.06 ft July 24; no flow May 16; minimum gage height, -.13 ft Apr. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1910	111	71	32	18	1.0	e13	.26	12	24	3410	818
2	1910	103	85	33	19	1.9	e14	.82	13	36	3150	779
3	1840	98	80	36	15	2.0	e16	2.3	12	43	2930	723
4	1730	97	76	61	14	2.4	e19	3.6	12	35	2780	756
5	1600	96	73	86	13	3.3	e22	2.6	11	29	2600	1010
6	1450	90	71	73	17	3.5	28	1.5	8.8	24	2460	1360
7	1300	82	68	62	18	2.4	25	.74	11	18	2340	1370
8	1150	75	66	59	12	1.6	20	.91	15	13	2260	1260
9	1020	70	64	55	6.0	2.5	4.7	.50	15	11	2160	1190
10	884	68	62	50	4.4	4.5	.96	.26	14	9.8	2050	1070
11	757	65	63	50	7.8	6.1	.02	.15	13	10	1900	897
12	670	60	63	47	21	6.9	.20	.30	15	34	1800	760
13	591	56	64	37	14	6.8	4.3	.34	20	62	1790	685
14	517	52	64	36	6.1	7.5	15	.20	19	59	1770	589
15	449	48	61	43	5.0	8.4	21	.10	12	56	1600	523
16	384	45	59	38	3.1	10	33	.00	12	50	1430	468
17	331	42	58	36	3.6	26	20	.36	10	45	1280	448
18	292	39	55	66	3.1	23	12	1.7	6.6	45	1220	510
19	254	37	54	117	2.3	4.6	8.4	2.0	5.3	44	1230	564
20	223	39	54	104	3.3	2.9	7.8	2.6	4.4	50	1120	587
21	198	50	56	83	2.5	15	6.2	3.4	3.6	59	1070	607
22	177	93	57	62	1.4	47	2.9	2.8	4.1	96	1060	555
23	157	112	55	48	1.4	44	2.5	4.5	11	2380	997	501
24	141	101	52	44	1.6	30	3.0	5.6	18	5200	940	443
25	126	87	50	42	1.6	20	3.2	6.8	16	5220	898	400
26	133	75	46	37	1.6	10	2.7	13	18	4910	875	371
27	166	67	42	23	.97	5.7	2.1	9.6	24	4650	1000	338
28	168	61	38	19	.73	7.7	1.6	6.6	27	4310	1140	309
29	151	58	36	21	---	9.3	.96	6.1	22	4100	1080	278
30	132	58	35	16	---	10	1.4	6.4	18	3970	980	259
31	119	---	32	16	---	e11	---	8.8	---	3740	869	---
TOTAL	20930	2135	1810	1532	217.50	337.0	310.94	94.84	402.8	39332.8	52189	20428
MEAN	675	71.2	58.4	49.4	7.77	10.9	10.4	3.06	13.4	1269	1684	681
MAX	1910	112	85	117	21	47	33	13	27	5220	3410	1370
MIN	119	37	32	16	.73	1.0	.02	.00	3.6	9.8	869	259
AC-FT	41510	4230	3590	3040	431	668	617	188	799	78020	103500	40520

CAL YR 1984 TOTAL 113311.20 MEAN 310 MAX 1910 MIN .10 AC-FT 224800
WTR YR 1985 TOTAL 139719.88 MEAN 383 MAX 5220 MIN .00 AC-FT 277100

e Estimated

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.91	2.73	2.44	1.57	1.30	.74	e.62	.52	.85	1.61	4.44	2.98
2	3.96	2.70	2.49	1.57	1.32	.79	e.66	.60	.84	1.77	4.33	2.95
3	3.97	2.67	2.44	1.58	1.26	.76	e.71	.74	.80	1.86	4.22	2.90
4	3.96	2.66	2.40	1.76	1.23	.77	e.75	.84	.76	1.81	4.14	2.95
5	3.93	2.65	2.36	1.92	1.21	.80	e.80	.79	.70	1.75	4.05	3.20
6	3.89	2.62	2.33	1.83	1.28	.77	.84	.71	.61	1.71	3.97	3.50
7	3.84	2.57	2.28	1.74	1.30	.69	.81	.64	.64	1.64	3.90	3.51
8	3.78	2.54	2.25	1.71	1.18	.60	.74	.66	.69	1.58	3.84	3.45
9	3.72	2.50	2.21	1.68	1.01	.63	.39	.62	.67	1.54	3.78	3.41
10	3.65	2.48	2.19	1.63	.95	.72	.08	.57	.61	1.53	3.70	3.32
11	3.57	2.46	2.16	1.60	1.05	.75	-.05	.55	.57	1.55	3.60	3.19
12	3.49	2.43	2.14	1.57	1.32	.75	.02	.60	.57	1.87	3.53	3.06
13	3.42	2.39	2.12	1.47	1.20	.71	.35	.62	.70	2.15	3.51	3.00
14	3.34	2.36	2.10	1.45	1.01	.70	.67	.62	.75	2.13	3.48	2.91
15	3.26	2.33	2.07	1.50	.98	.71	.77	.57	.66	2.11	3.39	2.85
16	3.17	2.30	2.04	1.44	.89	.74	.93	.49	.73	2.07	3.29	2.80
17	3.09	2.28	2.01	1.43	.92	1.00	.79	.58	.73	2.03	3.20	2.79
18	3.03	2.26	1.99	1.66	.90	.89	.70	.72	.67	2.03	3.16	2.90
19	2.97	2.24	1.96	1.95	.87	.50	.63	.74	.69	2.02	3.19	3.00
20	2.91	2.26	1.94	1.89	.92	.40	.65	.76	.69	2.06	3.11	3.05
21	2.86	2.34	1.94	1.80	.89	.70	.63	.79	.70	2.13	3.08	3.11
22	2.82	2.60	1.93	1.68	.81	1.12	.52	.74	.78	2.34	3.08	3.06
23	2.78	2.68	1.90	1.59	.80	1.07	.52	.81	1.01	3.78	3.04	3.00
24	2.74	2.64	1.86	1.56	.83	.92	.59	.84	1.25	5.01	3.00	2.95
25	2.70	2.57	1.82	1.56	.85	.78	.64	.87	1.27	5.01	2.97	2.90
26	2.74	2.50	1.79	1.52	.84	.56	.64	1.01	1.37	4.93	2.96	2.87
27	2.89	2.46	1.72	1.37	.79	.41	.63	.91	1.51	4.86	3.09	2.83
28	2.91	2.41	1.68	1.32	.74	.45	.62	.82	1.60	4.76	3.22	2.80
29	2.88	2.39	1.65	1.36	---	.50	.60	.78	1.55	4.70	3.18	2.76
30	2.82	2.37	1.62	1.29	---	.53	.64	.76	1.52	4.65	3.10	2.74
31	2.77	---	1.59	1.28	---	e.58	---	.80	---	4.56	3.01	---
MEAN	3.28	2.48	2.05	1.59	1.02	.71	.60	.71	.88	2.70	3.47	3.02
MAX	3.97	2.73	2.49	1.95	1.32	1.12	.93	1.01	1.60	5.01	4.44	3.51
MIN	2.70	2.24	1.59	1.28	.74	.40	-.05	.49	.57	1.53	2.96	2.74

CAL YR 1984 MEAN 2.46 MAX 3.97 MIN .60
WTR YR 1985 MEAN 1.88 MAX 5.01 MIN -.05

e Estimated

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL
(National stream-quality accounting network station)

LOCATION.--Lat 25°51'05", long 80°58'50", in SW¼ sec.13, T.53 S., R.33 E., Collier County, Hydrologic Unit 03090202, on south bank, 25 ft east of bridge 105 on U.S. Highway 41, and 54 mi west of Miami, Dade County.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only), October 1963 to current year. Prior to October 1963, published as Tamiami Canal at bridge 105, near Miami (auxiliary). Records of gage height prior to October 1963 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 20, 1952, nonrecording gage and Feb. 20, 1952, to May 28, 1952, water-stage recorder, at same site at datum 0.37 ft higher.

AVERAGE DISCHARGE.--45 years, 270 ft^3/s, 195,600 acre-ft/yr.

REMARKS.--Records fair, except those below 20 ft^3/s, and those for estimated periods, which are poor. Figures of daily discharge consist of runoff from Big Cypress Watershed and the Everglades as represented by flow through all 29 bridges from bridge 28 to 22 and bridge 117 to 96. Prior to October 1963, daily discharge for this portion of canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 02289000).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,800 ft^3/s July 2, 1966, from rating curve extended above 1,700 ft^3/s; maximum gage height, 10.01 ft Oct. 20, 1947 (present datum); no flow for many days in some years; minimum gage height, 2.65 ft May 26, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,360 ft^3/s July 26; maximum gage height, 8.93 ft July 26, 27; no flow many days; minimum gage height, 3.87 ft May 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1060	52	36	6.6	.40	.49	.85	.00	.00	e10	1900	892
2	1080	50	36	6.0	.40	.43	.94	.00	.00	18	1810	846
3	1020	53	33	5.7	.40	.38	1.1	.00	.00	40	1950	831
4	960	57	31	9.4	.40	.34	1.2	.00	.00	72	2140	791
5	900	57	30	10	.40	.30	1.2	.00	.00	79	2060	769
6	820	58	28	9.0	.38	.24	1.4	.00	.00	83	2010	734
7	780	54	24	7.8	.36	.20	1.6	.00	.00	82	1930	714
8	720	51	23	7.0	.34	.18	1.8	.00	.00	79	1850	674
9	660	e48	22	6.0	.32	.14	2.2	.00	.00	75	1820	663
10	600	e46	20	5.6	.28	.12	2.5	.00	.00	74	1810	634
11	540	e45	18	5.2	.28	.08	3.0	.00	.00	76	1740	597
12	440	e43	17	4.9	.61	.06	3.6	.00	.00	77	1740	563
13	380	e41	15	4.4	.55	.02	4.4	.00	.00	82	1740	562
14	350	39	14	4.1	.40	.00	5.1	.00	.00	87	1690	569
15	310	38	14	4.1	.30	.00	6.4	.00	.00	106	1570	572
16	270	36	13	3.7	.26	.00	12	.00	.00	207	1450	614
17	220	35	13	3.1	.22	.00	12	.00	.00	212	1370	680
18	180	33	13	3.2	.16	.00	11	.00	.00	215	1270	700
19	161	32	12	4.2	.14	.00	7.8	.00	.00	233	1200	711
20	131	32	12	3.5	.97	.00	5.2	.00	4.1	267	1270	719
21	114	34	12	2.8	1.2	.00	3.5	.00	5.8	274	1360	723
22	98	38	12	2.2	1.2	.58	2.2	.00	6.4	291	1300	722
23	93	42	11	1.8	1.1	2.0	1.1	.00	9.4	549	1200	717
24	84	42	11	1.6	.97	2.1	.55	.00	7.6	2190	1130	712
25	77	41	10	1.3	.85	1.8	.14	.00	6.0	2320	1050	705
26	71	39	10	1.2	.73	1.3	.00	.00	8.0	2360	985	686
27	68	37	10	.94	.61	1.0	.00	.00	10	2350	1040	684
28	64	36	9.4	.76	.55	.73	.00	.00	e11	2240	1030	682
29	60	36	8.8	.64	---	.76	.00	.00	e8.4	2120	1010	684
30	55	35	8.2	.40	---	.79	.00	.00	e6.6	2080	978	695
31	54	---	7.4	.40	---	.85	---	.00	---	2030	926	---
TOTAL	12420	1280	533.8	127.54	14.78	14.89	92.78	.00	83.30	20978	46329	20845
MEAN	401	42.7	17.2	4.11	.53	.48	3.09	.000	2.78	677	1494	695
MAX	1080	58	36	10	1.2	2.1	12	.00	11	2360	2140	892
MIN	54	32	7.4	.40	.14	.00	.00	.00	.00	10	926	562
AC-FT	24640	2540	1060	253	29	30	184	.00	165	41610	91890	41350

CAL YR 1984 TOTAL 91927.72 MEAN 251 MAX 1100 MIN .00 AC-FT 182300
WTR YR 1985 TOTAL 102719.09 MEAN 281 MAX 2360 MIN .00 AC-FT 203700

e Estimated

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.54	7.77	7.62	6.84	6.24	5.68	5.12	4.61	4.11	e7.40	8.77	8.32
2	8.55	7.75	7.65	6.81	6.21	5.63	5.06	4.59	4.16	e7.59	8.74	8.31
3	8.52	7.77	7.62	6.78	6.18	5.58	5.02	4.54	4.18	7.85	8.77	8.30
4	8.49	7.83	7.60	6.97	6.15	5.53	4.95	4.49	4.18	8.01	8.81	8.28
5	8.46	7.83	7.58	7.03	6.12	5.48	4.89	4.42	4.16	8.04	8.78	8.27
6	8.43	7.84	7.56	6.97	6.08	5.42	4.83	4.36	4.11	8.06	8.76	8.26
7	8.40	7.80	7.51	6.91	6.04	5.37	4.77	4.31	4.06	8.06	8.72	8.24
8	8.37	7.77	7.49	6.87	6.00	5.33	4.73	4.26	4.03	8.04	8.69	8.22
9	8.34	e7.73	7.47	6.82	5.96	5.28	4.71	4.22	4.08	8.03	8.67	8.22
10	8.31	e7.71	7.45	6.78	5.91	5.24	4.67	4.19	4.52	8.02	8.66	8.21
11	8.28	e7.69	7.42	6.74	5.88	5.19	4.64	4.22	4.68	8.03	8.62	8.18
12	8.25	e7.66	7.39	6.71	5.98	5.15	4.62	4.21	4.72	8.03	8.61	8.16
13	8.23	e7.62	7.35	6.67	5.95	5.10	4.62	4.19	4.70	8.06	8.61	8.14
14	8.21	7.59	7.32	6.64	5.88	5.06	4.60	4.17	4.91	8.08	8.58	8.13
15	8.19	7.57	7.30	6.64	5.82	5.01	4.62	4.16	5.33	8.15	8.54	8.11
16	8.17	7.55	7.27	6.60	5.79	4.97	4.80	4.13	5.33	8.23	8.51	8.12
17	8.14	7.52	7.25	6.56	5.75	4.96	4.93	4.11	5.27	8.23	8.47	8.16
18	8.11	7.50	7.22	6.59	5.71	5.07	4.99	4.08	5.19	8.24	8.45	8.15
19	8.09	7.47	7.20	6.73	5.69	5.08	4.97	4.05	5.42	8.27	8.41	8.14
20	8.06	7.47	7.18	6.68	5.98	5.05	4.92	4.02	6.62	8.33	8.45	8.13
21	8.03	7.50	7.16	6.62	6.06	5.02	4.86	3.99	6.83	8.34	8.49	8.11
22	8.00	7.59	7.14	6.55	6.03	5.33	4.80	3.97	6.89	8.37	8.47	8.09
23	7.98	7.65	7.11	6.52	5.99	5.75	4.71	3.95	7.10	8.61	8.43	8.07
24	7.95	7.65	7.08	6.49	5.94	5.76	4.64	3.92	7.04	8.88	8.40	8.04
25	7.92	7.63	7.04	6.46	5.89	5.71	4.58	3.89	7.00	8.91	8.38	8.02
26	7.89	7.61	7.03	6.44	5.83	5.62	4.52	4.00	7.14	8.92	8.34	7.99
27	7.88	7.58	7.00	6.40	5.77	5.53	4.47	4.06	7.28	8.91	8.38	7.97
28	7.86	7.57	6.97	6.37	5.73	5.44	4.42	4.07	e7.35	8.88	8.37	7.95
29	7.84	7.56	6.94	6.35	---	5.36	4.38	4.05	e7.27	8.86	8.38	7.93
30	7.81	7.57	6.91	6.30	---	5.28	4.58	4.03	e7.22	8.84	8.36	7.92
31	7.79	---	6.88	6.27	---	5.20	---	4.01	---	8.82	8.34	---
MEAN	8.16	7.65	7.28	6.65	5.95	5.33	4.75	4.17	5.50	8.29	8.55	8.14
MAX	8.55	7.84	7.65	7.03	6.24	5.76	5.12	4.61	7.35	8.92	8.81	8.32
MIN	7.79	7.47	6.88	6.27	5.69	4.96	4.38	3.89	4.03	7.40	8.34	7.92

CAL YR 1984 MEAN 7.70 MAX 8.55 MIN 5.07
WTR YR 1985 MEAN 6.71 MAX 8.92 MIN 3.89

e Estimated

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1968 to current year.

REMARKS.--Samples collected periodically for QW investigation beginning in 1969. Samples collected also as part of joint USGS-SFWMD network since 1975. Station became part of National Stream Quality Accounting Network in 1978 and was also sampled monthly as part of QW network in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
02...	0900	--	--	--	--	1028	1028	21	10	--	--
29...	1031	--	--	--	--	1028	1028	0.5	30	--	--
NOV											
20...	0940	--	--	24.0	764	1028	80010	0.9	--	385	4.1
27...	0945	--	--	--	--	1028	1028	0.9	20	--	--
DEC											
12...	1015	0.5	30.0	17.0	--	1028	1028	--	--	390	2.6
JAN											
02...	1043	--	--	--	--	1028	1028	--	20	--	--
30...	1248	--	--	--	--	1028	1028	18	20	--	--
JUL											
16...	--	--	--	--	--	1028	1028	--	--	--	--
16...	0802	--	--	--	--	1028	1028	0.8	50	--	--
16...	0905	--	--	25.0	764	1028	80010	1.0	--	315	3.5
AUG											
21...	0830	--	--	--	--	1028	80010	0.4	--	--	--
21...	0930	--	--	27.5	765	1028	80010	--	--	255	3.5
SEP											
18...	0945	--	--	25.0	--	1028	80010	0.6	--	290	--

DATE	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
02...	--	7.40	--	--	0.55	--	0.04	<0.01	--	0.59	0.01
29...	--	7.70	--	--	0.13	--	0.47	<0.01	--	0.6	0.01
NOV											
20...	7.14	7.60	27	--	--	0.07	--	--	--	0.5	--
27...	--	7.80	--	--	0.98	--	0.22	<0.01	--	1.2	0.02
DEC											
12...	7.20	--	--	--	--	--	--	--	--	--	--
JAN											
02...	--	7.70	--	--	0.97	--	0.23	0.01	0.02	1.2	0.03
30...	--	7.20	--	--	0.84	--	0.05	<0.01	--	0.89	0.02
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	7.40	--	--	1.0	--	0.06	<0.01	--	1.1	0.01
16...	8.10	7.30	2.2	144	--	0.02	--	--	--	2.2	--
AUG											
21...	--	7.60	--	--	--	--	--	--	--	--	--
21...	7.90	--	3.4	141	--	0.04	--	--	--	1.2	--
SEP											
18...	7.62	7.50	7.6	164	--	0.19	--	--	--	0.8	--

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
02...	--	--	--	--	2.0	6.0	35	1.5	6.8	0.5	9.2
29...	--	0.08	--	--	11	45	59	2.5	11	0.7	17
NOV											
20...	<0.10	<0.01	<0.01	0.01	--	--	73	3.5	14	0.7	23
27...	--	0.09	--	--	7.0	46	83	2.7	11	0.3	17
DEC											
12...	--	--	--	--	--	--	--	--	--	--	--
JAN											
02...	--	0.12	--	--	13	58	85	2.7	12	0.3	17
30...	--	0.08	--	--	10	60	85	2.8	12	0.6	19
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	0.02	--	--	38	31	49	1.8	10	0.4	17
16...	<0.10	<0.01	<0.01	<0.01	--	--	54	2.3	13	0.6	19
AUG											
21...	--	--	--	--	--	--	50	1.8	5.4	0.5	7.8
21...	<0.10	0.02	0.02	<0.01	--	--	--	--	--	--	--
SEP											
18...	<0.10	0.05	0.03	<0.01	--	--	57	2.1	9.7	0.7	13

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT											
02...	<0.1	0.1	1.5	--	--	--	--	--	--	--	--
29...	0.6	0.2	1.5	--	--	--	--	--	--	--	--
NOV											
20...	2.0	0.2	2.2	1	30	<0	2	1	<3	1	41
27...	<0.1	0.1	2.4	--	--	--	--	--	--	--	--
DEC											
12...	--	--	--	--	--	--	--	--	--	--	--
JAN											
02...	0.3	0.1	1.3	--	--	--	--	--	--	--	--
30...	0.6	<0.1	0.9	--	--	--	--	--	--	--	--
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	0.1	0.1	6.8	--	--	--	--	--	--	--	--
16...	9.9	<0.1	7.6	2	24	<0.5	2	<1	<3	5	99
AUG											
21...	<0.2	0.1	5.2	1	28	<0.5	1	<1	<3	4	76
21...	--	--	--	--	--	--	--	--	--	--	--
SEP											
18...	<0.2	<0.1	2.8	2	20	<0.5	<1	<1	<3	8	47

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT											
02...	--	--	--	--	--	58	--	--	--	--	--
29...	--	--	--	--	--	270	--	--	--	--	--
NOV											
20...	3	13	<10	1	<1	390	<6	21	20	<4	<1
27...	--	--	--	--	--	270	--	--	--	--	--
DEC											
12...	--	--	--	--	--	--	--	--	--	--	--
JAN											
02...	--	--	--	--	--	270	--	--	--	--	--
30...	--	--	--	--	--	350	--	--	--	--	--
JUL											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	210	--	--	--	--	--
16...	4	9	<10	5	<1	220	<6	35	<10	<4	<1
AUG											
21...	5	5	<10	<1	<1	170	<6	44	20	<4	<1
21...	--	--	--	--	--	--	--	--	--	--	--
SEP											
18...	2	3	<10	2	<1	190	<6	11	10	<4	<1

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	
OCT											
02...	--	--	113	--	0.02	--	--	--	191	82	
29...	--	--	197	--	0.02	--	--	--	344	157	
NOV											
20...	10	60	271	<1	--	0.01	<0.1	1	406	196	
27...	--	--	248	--	0.05	--	--	--	428	207	
DEC											
12...	--	--	--	--	--	--	--	--	--		--
JAN											
02...	--	--	250	--	0.07	--	--	--	454	205	
30...	--	--	276	--	0.05	--	--	--	475	232	
JUL											
16...	60	560	--	--	--	--	--	--	--		--
16...	--	--	174	--	0.01	--	--	--	287	121	
16...	--	--	219	--	--	--	0.3	--	329	139	
AUG											
21...	--	--	182	--	--	--	1.2	--	269	131	
21...	--	--	--	--	--	0.06	--	--	--		--
SEP											
18...	--	--	210	25	--	0.15	0.3	4	321	159	

254754080344300 SHARK RIVER SLOUGH NO. 1 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°47'54", long 80°33'43", in SW¼ sec.30, T.53 S., R.38 E., Dade County, Hydrologic Unit 03090202, 2.8 mi northwest of Coopertown on east-west ditch in Conservation Area 3B.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year. Prior to October 1977, published as "Shark Valley Slough No. 1 in conservation area 3B near Coopertown."

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.38 ft Sept. 29, 1978; minimum, 4.62 ft June 22, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.71 ft Sept. 21, 22; minimum, 4.62 ft June 22.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.52	7.27	7.33	7.01	6.59	5.92	5.51	5.18	5.10	6.05	6.97	7.31
2	7.54	7.26	7.44	6.99	6.57	5.88	5.49	5.16	5.04	6.11	6.96	7.30
3	7.53	7.32	7.41	6.99	6.53	5.86	5.53	5.14	4.99	6.19	6.96	7.29
4	7.50	7.40	7.39	6.98	6.50	5.84	5.51	5.11	4.94	6.37	6.96	7.30
5	7.49	7.37	7.37	6.97	6.47	5.81	5.47	5.08	4.89	6.37	6.95	7.36
6	7.46	7.35	7.35	6.95	6.45	5.77	5.43	5.05	4.84	6.34	e6.94	7.45
7	7.46	7.33	7.31	6.94	6.42	5.77	5.40	5.02	4.79	6.31	e7.00	7.43
8	7.44	7.31	7.30	6.93	6.41	5.76	5.38	5.00	4.75	6.27	e7.01	7.43
9	7.43	7.30	7.28	6.93	6.39	5.75	5.54	4.99	4.71	6.24	e7.02	7.44
10	7.41	7.29	7.26	6.92	6.36	5.72	5.56	4.98	4.71	6.21	e7.02	7.45
11	7.41	7.28	7.24	6.90	6.33	5.70	5.52	5.03	4.71	6.22	e7.03	7.44
12	7.40	7.27	7.22	6.89	6.32	5.68	5.49	5.16	4.74	6.24	e7.03	7.44
13	7.39	7.26	7.20	6.88	6.30	5.65	5.49	5.21	4.86	6.32	e7.04	7.45
14	7.38	7.24	7.19	6.87	6.26	5.63	5.52	5.24	4.93	6.33	e7.04	7.48
15	7.36	7.23	7.18	6.87	6.24	5.61	5.54	5.47	4.95	6.35	e7.05	7.50
16	7.35	7.22	7.17	6.85	6.22	5.59	5.74	5.46	4.92	6.42	e7.05	7.50
17	7.34	7.22	7.16	6.84	6.20	5.57	5.74	5.40	4.86	6.48	e7.06	7.53
18	7.33	7.21	7.14	6.83	6.18	5.62	5.70	5.31	4.80	6.51	e7.06	7.65
19	7.32	7.20	7.13	6.85	6.17	5.62	5.65	5.24	4.74	6.57	e7.07	7.67
20	7.31	7.20	7.12	6.83	6.15	5.59	5.59	5.17	4.69	6.67	e7.07	7.70
21	7.31	7.20	7.11	6.82	6.13	5.57	5.54	5.11	4.65	6.73	e7.08	7.71
22	7.31	7.20	7.10	6.80	6.11	5.71	5.50	5.06	4.68	6.74	7.10	7.71
23	7.31	7.25	7.09	6.78	6.09	5.85	5.45	5.01	5.05	6.84	7.13	7.69
24	7.31	7.26	7.08	6.76	6.06	5.84	5.40	5.00	5.28	7.01	7.13	7.69
25	7.30	7.26	7.07	6.74	6.03	5.80	5.36	5.01	5.54	7.02	7.13	7.67
26	7.30	7.24	7.07	6.73	6.00	5.75	5.30	5.14	5.66	7.01	7.12	7.66
27	7.29	7.23	7.06	6.71	5.97	5.71	5.26	5.24	5.69	7.00	7.13	7.65
28	7.29	7.22	7.05	6.69	5.94	5.67	5.22	5.27	5.77	6.98	7.15	7.64
29	7.28	7.22	7.04	6.66	---	5.64	5.20	5.24	5.74	6.96	7.32	7.64
30	7.28	7.22	7.03	6.64	---	5.60	5.19	5.20	5.75	6.96	7.34	7.64
31	7.27	---	7.02	6.61	---	5.56	---	5.15	---	6.97	7.33	---
MEAN	7.37	7.26	7.19	6.84	6.26	5.71	5.47	5.16	5.03	6.54	7.07	7.53
MAX	7.54	7.40	7.44	7.01	6.59	5.92	5.74	5.47	5.77	7.02	7.34	7.71
MIN	7.27	7.20	7.02	6.61	5.94	5.56	5.19	4.98	4.65	6.05	6.94	7.29

CAL YR 1984 MEAN 7.40 MAX 7.98 MIN 6.84
WTR YR 1985 MEAN 6.46 MAX 7.71 MIN 4.65

e Estimated

254620080395000 TAMIAMI CANAL 0.5 MI NORTH OF S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°46'20", long 80°39'50", in sec.18, T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, 13.5 mi west of U.S. Highway 27 along U.S. Highway 41.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1959 to current year.

REMARKS.--Samples collected in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
02...	1005	1028	1028	0.6	80	7.60	--	1.4	0.04	0.01
29...	1301	1028	1028	7.5	70	8.00	--	1.5	0.02	<0.01
NOV										
27...	1005	1028	1028	1.3	50	8.00	--	2.2	0.15	0.01
JAN										
02...	1004	1028	1028	2.7	60	7.70	--	1.1	0.08	<0.01
30...	1315	1028	1028	0.5	30	7.50	--	1.8	0.14	0.01
MAR										
15...	1034	1028	1028	3.5	30	8.10	1.6	1.3	0.08	0.01
APR										
22...	1132	1028	1028	1.9	60	7.90	--	1.6	0.11	0.02
JUN										
04...	1204	1028	1028	0.7	50	8.00	--	0.92	0.18	0.01
JUL										
16...	0932	1028	1028	1.5	100	7.40	--	0.96	0.04	<0.01

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
02...	0.23	1.4	0.24	0.03	24	60	76	19	66	4.4
29...	--	1.5	0.04	0.11	22	57	60	17	50	3.4
NOV										
27...	0.14	2.3	0.15	0.04	28	52	80	17	62	3.5
JAN										
02...	--	1.2	0.06	0.04	24	52	67	15	51	3.2
30...	0.09	1.9	0.10	0.05	22	46	67	6.5	27	1.2
MAR										
15...	0.14	1.4	0.15	0.05	18	35	46	16	50	5.4
APR										
22...	0.66	1.7	0.68	0.06	23	58	80	16	64	4.7
JUN										
04...	0.07	1.1	0.08	0.08	32	53	74	<17	62	5.0
JUL										
16...	--	1.0	0.02	0.02	10	37	84	21	64	4.8

254620080295000 TAMIAMI CANAL ABOVE S-12D, NEAR MIAMI, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	BICARBONATE, FET-LAB (MG/L AS HCO3) (95440)
OCT										
02...	99	37	0.5	12	1500	496	0.02	784	230	--
29...	77	29	0.4	M8.8	1300	396	0.02	637	190	--
NOV										
27...	95	24	0.4	9.7	1300	454	0.02	759	243	--
JAN										
02...	77	22	0.4	6.0	1100	398	0.02	663	233	--
30...	41	0.3	0.1	1.1	510	302	0.02	493	197	--
MAR										
15...	78	53	0.3	8.6	1100	366	0.03	619	128	160
APR										
22...	95	34	0.5	8.6	1200	472	0.02	802	244	--
JUN										
04...	120	47	0.4	10	62	508	0.04	739	48	--
JUL										
16...	99	73	0.5	12	1500	532	0.01	838	223	--

02289018 TAMIAMI CANAL ABOVE S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'42", long 80°46'05", in N½ sec. 19, T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of levee 29 borrow ditch, 100 ft northwest of control structure 12-B, and 35 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located above the gated control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.55 ft Oct. 26, 1968; minimum, 5.31 ft May 21, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.95 ft Sept. 19, 20; minimum, 5.57 ft June 9, 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.27	8.88	8.66	8.41	7.44	7.02	7.08	7.04	6.61	7.85	9.03	9.69
2	e9.29	8.85	8.69	8.38	7.39	7.11	7.12	7.00	6.55	7.88	9.06	9.71
3	9.29	8.84	8.69	8.35	7.43	7.14	7.17	6.92	6.22	7.95	9.12	9.74
4	9.29	8.85	8.70	8.36	7.45	7.09	7.05	6.89	5.91	7.97	9.21	9.75
5	9.29	8.84	8.70	8.36	7.41	7.13	6.88	6.91	5.87	7.96	9.32	9.76
6	9.29	8.84	8.69	8.34	7.37	7.08	6.95	6.81	5.78	7.95	9.37	9.78
7	9.29	8.84	8.68	8.31	7.44	7.06	7.01	6.76	5.70	7.96	9.38	9.78
8	9.27	8.83	8.67	8.28	7.46	7.04	6.74	6.74	5.62	7.96	9.41	9.79
9	9.27	8.82	8.67	8.27	7.44	7.01	6.61	6.56	5.60	7.97	9.45	9.80
10	9.27	8.81	8.66	8.24	7.40	6.99	6.77	6.68	5.62	7.96	9.47	9.78
11	9.26	8.78	8.66	8.21	7.33	6.98	7.10	7.55	5.65	7.96	9.48	9.78
12	9.26	8.76	8.65	8.19	7.30	6.96	7.25	7.55	5.68	7.98	9.49	9.79
13	9.26	8.75	8.64	8.16	7.30	6.95	7.51	7.49	6.47	8.00	9.49	9.78
14	9.26	8.72	8.64	8.11	7.20	6.95	7.65	7.35	7.39	8.02	9.49	9.81
15	9.25	8.67	8.63	8.09	6.92	6.65	7.74	7.03	7.60	8.03	9.49	9.83
16	9.21	8.66	8.62	8.07	7.07	6.34	7.81	6.84	7.52	8.06	9.49	9.82
17	9.19	8.64	8.61	8.00	7.14	6.24	7.84	6.87	7.53	8.09	9.49	9.83
18	9.15	8.63	8.60	7.98	7.14	6.36	7.84	7.14	7.51	8.14	9.49	9.90
19	9.13	8.60	8.59	8.01	7.09	6.31	7.84	7.21	7.46	8.18	9.49	9.94
20	9.10	8.59	8.57	7.94	6.92	6.02	7.84	e7.33	7.45	8.26	9.53	9.93
21	9.07	8.58	8.56	7.90	7.17	6.19	7.83	e7.35	7.44	8.31	9.62	9.92
22	9.06	8.58	8.55	7.70	7.21	6.73	7.72	e7.08	7.47	8.32	9.69	9.90
23	9.03	8.58	8.54	7.68	7.17	7.62	7.55	e6.91	e7.51	8.40	9.70	9.89
24	9.02	8.61	8.53	7.79	7.15	7.69	7.52	e7.20	e7.60	8.61	9.69	9.88
25	9.01	8.62	8.52	7.57	7.13	7.64	e7.48	e7.33	e7.70	8.68	9.68	9.86
26	8.99	8.61	8.53	7.56	7.17	7.40	e7.45	e7.45	e7.74	8.73	9.67	9.83
27	8.97	8.61	8.50	7.45	7.08	7.27	e7.45	e7.36	e7.76	8.79	9.70	9.81
28	8.96	8.59	8.48	7.32	6.75	7.20	e7.45	e7.26	7.76	8.84	9.73	9.81
29	8.95	8.59	8.46	7.43	---	7.15	e7.15	e7.16	7.74	8.89	9.75	9.79
30	8.91	8.59	8.44	7.45	---	7.11	7.02	6.97	7.77	8.94	9.76	9.79
31	8.89	---	8.42	7.46	---	7.08	---	6.79	---	9.00	9.72	---
MEAN	9.15	8.71	8.60	7.98	7.23	6.95	7.35	7.08	6.87	8.25	9.50	9.82
MAX	9.29	8.88	8.70	8.41	7.46	7.69	7.84	7.55	7.77	9.00	9.76	9.94
MIN	8.89	8.58	8.42	7.32	6.75	6.02	6.61	6.56	5.60	7.85	9.03	9.69

CAL YR 1984 MEAN 8.88 MAX 9.68 MIN 8.02
WTR YR 1985 MEAN 8.13 MAX 9.94 MIN 5.60

e Estimated

02289019 TAMIAMI CANAL BELOW S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°46'05", in N½ sec.19, T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-B, and 35 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily stages. Station is one of several located below the gated control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.22 ft Nov. 7-11, 1969; minimum, 5.35 ft May 21, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.35 ft Sept. 25; minimum, 5.55 ft June 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.26	8.85	8.65	8.39	7.43	7.03	7.08	7.03	6.61	7.49	8.41	8.87
2	9.29	8.83	8.68	8.37	7.39	7.12	7.12	6.98	6.55	7.47	8.42	8.88
3	9.29	8.83	8.68	8.34	7.43	7.15	7.17	6.92	6.21	7.56	8.46	8.89
4	9.29	8.85	8.69	8.34	7.45	7.10	7.04	6.88	5.89	7.60	8.48	8.89
5	9.29	8.83	8.69	8.35	7.41	7.14	6.88	6.90	5.85	7.56	8.51	8.90
6	9.28	8.82	8.69	8.32	7.37	7.09	6.94	6.80	5.76	7.51	8.63	8.90
7	9.28	8.81	8.67	8.29	7.43	7.07	7.00	6.76	5.67	7.46	8.77	8.90
8	9.28	8.79	8.67	8.27	7.46	7.05	6.74	6.74	5.60	7.44	8.80	8.92
9	9.28	8.77	8.66	8.26	7.44	7.01	6.60	6.56	5.59	7.47	8.81	8.92
10	9.27	8.76	8.66	8.23	7.40	6.99	6.77	6.68	5.61	7.60	8.82	8.90
11	9.26	8.74	8.65	8.20	7.32	6.98	7.09	7.55	5.64	7.76	8.83	8.87
12	9.25	8.71	8.65	8.18	7.30	6.96	7.24	7.55	5.66	7.79	8.83	8.87
13	9.25	8.69	8.64	8.15	7.29	6.95	7.50	7.49	6.46	7.81	8.84	8.87
14	9.24	8.68	8.64	8.10	7.20	6.95	7.64	7.35	7.33	7.83	8.84	8.88
15	9.21	8.66	8.63	8.08	6.92	6.67	7.74	7.03	7.25	7.84	8.84	8.88
16	9.18	8.65	8.62	8.06	7.06	6.35	7.81	6.84	7.12	7.86	8.84	8.88
17	9.16	8.64	8.61	7.98	7.14	6.24	7.84	6.88	7.03	7.91	8.85	8.71
18	9.14	8.62	8.60	7.97	7.15	6.37	7.84	7.15	7.11	7.93	8.86	8.54
19	9.13	8.59	8.58	7.99	7.10	6.32	7.84	7.22	7.43	7.94	8.86	8.84
20	9.09	8.58	8.57	7.92	6.93	6.02	7.84	7.33	7.40	7.99	8.85	9.14
21	9.03	8.58	8.56	7.89	7.17	6.20	7.83	7.35	7.26	7.99	8.87	9.15
22	9.02	8.57	8.55	7.69	7.21	6.72	7.72	7.07	7.17	7.97	8.88	9.14
23	9.00	8.58	8.54	7.67	7.17	7.63	7.55	6.91	7.17	8.06	8.88	9.14
24	8.98	8.60	8.53	7.77	7.15	7.71	7.51	7.20	7.17	8.07	8.87	9.24
25	8.97	8.61	8.52	7.55	7.14	7.65	7.48	7.33	7.20	8.06	8.86	9.34
26	8.95	8.61	8.52	7.55	7.18	7.40	7.45	7.45	7.27	8.06	8.86	9.34
27	8.93	8.60	8.50	7.44	7.09	7.27	7.45	7.36	7.40	8.07	8.88	9.33
28	8.92	8.58	8.47	7.31	6.75	7.21	7.45	7.26	7.53	8.09	8.88	9.34
29	8.91	8.58	8.45	7.42	---	7.16	7.15	7.16	7.46	8.10	8.89	9.33
30	8.88	8.59	8.43	7.43	---	7.11	7.02	6.97	7.44	8.25	8.89	9.33
31	8.87	---	8.41	7.44	---	7.09	---	6.79	---	8.40	8.88	---
MEAN	9.13	8.69	8.59	7.97	7.23	6.96	7.34	7.08	6.69	7.84	8.78	9.00
MAX	9.29	8.85	8.69	8.39	7.46	7.71	7.84	7.55	7.53	8.40	8.89	9.34
MIN	8.87	8.57	8.41	7.31	6.75	6.02	6.60	6.56	5.59	7.44	8.41	8.54

CAL YR 1984 MEAN 8.87 MAX 9.68 MIN 7.99
WTR YR 1985 MEAN 7.95 MAX 9.34 MIN 5.59

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL

LOCATION.--Lat 26°25'50", long 80°56'50", in NW¼ sec.4, T.47 S., R.34 E., Hendry County, Hydrologic Unit 03090202, near center of span on upstream side of bridge on private road, 100 ft upstream from Deerfence Canal, 2 mi east of state Highway 846, and 22 mi south of Clewiston (revised).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder and auxiliary water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by South Florida Water Management District). Prior to October 1974 at datum 0.15 ft lower. October 1979 to September 1981, water-stage recorder and electromagnetic velocity meter at site 3.6 mi downstream at present datum. Since October 1981, auxiliary water-stage recorder at site 3.6 mi downstream at present datum.

REMARKS.--Records poor. Flow at this location includes the flow of Deerfence Canal. Discharge computed using fall as a factor.

AVERAGE DISCHARGE.--16 years, 157 ft^3/s, 113,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,850 ft^3/s June 26, 1982; maximum gage height, 18.57 ft Aug. 4, 1973, maximum daily reverse flow, 242 ft^3/s Mar. 8, 1980; no flow for some days each year; minimum gage height, 9.65 ft May 7, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 581 ft^3/s Aug. 4; maximum gage height, 14.68 ft July 25; maximum daily reverse flow, 222 ft^3/s Aug. 25; no flow for many days; minimum gage height, 11.50 ft Aug. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	482	.00	.00	.00	.00	.00	.00	e100	-34	152	e571	383
2	461	80	.00	.00	.00	.00	.00	e100	-47	244	e414	494
3	426	45	.00	.00	.00	.00	e.00	e50	-67	296	420	92
4	360	.00	.00	.00	.00	.00	e.00	.00	-60	278	581	226
5	313	.00	.00	.00	.00	.00	e.00	.00	-62	252	497	263
6	286	.00	.00	.00	.00	.00	e.00	.00	-64	243	441	307
7	265	.00	.00	.00	.00	.00	e.00	.00	-44	237	397	313
8	264	.00	.00	.00	.00	.00	e.00	.00	-42	201	371	288
9	162	.00	.00	.00	.00	.00	e.00	.00	-36	138	383	250
10	.00	.00	.00	.00	.00	.00	e.00	.00	-38	128	373	263
11	.00	.00	.00	.00	.00	.00	e.00	.00	8.1	127	383	276
12	.00	.00	.00	.00	.00	.00	e.00	.00	6.8	122	412	285
13	.00	.00	.00	.00	.00	.00	e.00	.00	55	186	407	236
14	.00	.00	.00	.00	.00	.00	e.00	.00	394	207	420	234
15	.00	.00	.00	.00	.00	.00	e.00	.00	498	205	390	224
16	.00	.00	.00	.00	.00	.00	e.00	.00	434	195	369	231
17	.00	.00	.00	.00	.00	.00	e.00	.00	361	201	348	233
18	.00	.00	.00	.00	.00	.00	e.00	.00	317	294	343	259
19	.00	.00	.00	.00	.00	.00	e.00	.00	262	370	290	285
20	.00	.00	.00	.00	.00	.00	e.00	.00	236	410	260	326
21	.00	.00	.00	.00	.00	.00	e.00	.00	257	e415	272	378
22	.00	.00	.00	.00	.00	.00	e.00	.00	258	e396	290	367
23	.00	.00	.00	.00	.00	.00	e.00	.00	250	e439	266	333
24	.00	.00	.00	.00	.00	.00	e.00	.00	226	e500	100	306
25	.00	.00	.00	.00	.00	.00	e.00	.00	206	e542	-222	259
26	.00	.00	.00	.00	.00	.00	e.00	.00	211	e525	-208	249
27	.00	.00	.00	.00	.00	.00	e.00	.00	187	e512	134	236
28	.00	.00	.00	.00	.00	.00	e.00	.00	177	e491	163	233
29	.00	.00	.00	.00	---	.00	e.00	.00	173	e473	208	239
30	.00	.00	.00	.00	---	.00	e.00	.00	162	e499	269	244
31	.00	---	.00	.00	---	.00	---	.00	---	e471	364	---
TOTAL	3019.00	125.00	.00	.00	.00	.00	.00	250.00	4184.9	9749	9706	8312
MEAN	97.4	4.17	.000	.000	.000	.000	.000	8.06	139	314	313	277
MAX	482	80	.00	.00	.00	.00	.00	100	498	542	581	494
MIN	.00	.00	.00	.00	.00	.00	.00	.00	-67	122	-222	92
AC-FT	5990	248	.00	.00	.00	.00	.00	496	8300	19340	19250	16490

CAL YR 1984 TOTAL 12770.00 MEAN 34.9 MAX 611 MIN .00 AC-FT 25330
WTR YR 1985 TOTAL 35345.90 MEAN 96.8 MAX 581 MIN -222 AC-FT 70110

e Estimated

02289030 LEVEE 3 CANAL NEAR CLEWISTON, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	12.32	12.89	12.13	12.04	11.67	11.02	13.39	12.35	12.16	e13.88	11.83
2	13.88	12.33	12.88	12.10	12.01	11.69	11.16	13.17	12.29	13.00	e13.25	12.25
3	13.61	12.31	12.87	12.06	12.00	11.71	11.26	13.03	12.22	13.22	13.39	12.82
4	13.46	12.29	12.85	12.07	11.99	11.69	11.28	12.95	12.15	13.10	14.35	12.82
5	13.34	12.24	12.85	12.12	11.94	11.65	11.32	12.91	12.09	12.95	14.10	13.24
6	13.14	12.24	12.84	12.12	11.92	11.60	11.35	12.89	12.03	12.76	13.80	13.36
7	12.96	12.25	12.79	12.10	11.95	11.48	11.40	12.85	11.97	12.54	13.48	13.17
8	12.78	12.24	12.75	12.10	11.94	11.38	11.54	12.77	11.85	12.20	13.20	12.83
9	12.80	12.22	12.71	12.12	11.90	11.31	11.77	12.69	11.84	12.04	13.20	12.94
10	13.08	12.20	12.68	12.11	11.82	11.28	11.85	12.64	11.81	11.93	13.23	13.07
11	13.08	12.20	12.65	12.07	11.76	11.26	11.82	12.64	11.83	11.69	13.00	13.05
12	13.05	12.22	12.62	12.05	11.72	11.21	11.83	12.55	11.94	12.02	13.05	12.69
13	13.01	12.23	12.58	12.02	11.73	11.21	11.87	12.43	12.29	12.47	13.25	12.68
14	12.98	12.23	12.54	12.00	11.72	11.16	11.89	12.36	13.34	12.55	13.73	12.77
15	12.94	12.20	12.50	12.05	11.71	11.21	12.12	12.29	13.74	12.69	13.73	12.59
16	12.89	12.18	12.47	12.07	11.71	11.28	12.84	12.24	13.58	12.66	13.61	12.40
17	12.82	12.15	12.44	12.05	11.73	11.48	12.95	12.24	13.38	12.68	13.36	12.48
18	12.67	12.10	12.40	12.06	11.72	11.57	12.80	12.20	13.23	12.49	12.96	13.09
19	12.60	12.07	12.37	12.15	11.71	11.58	12.73	12.12	13.15	12.23	12.79	13.25
20	12.56	12.05	12.36	12.17	11.71	11.52	12.70	12.05	13.13	13.00	12.98	13.41
21	12.51	12.06	12.34	12.17	11.71	11.56	12.66	12.02	13.22	e13.09	13.12	13.48
22	12.48	12.17	12.33	12.11	11.68	11.71	12.60	11.96	13.26	e13.00	13.10	13.34
23	12.44	12.62	12.33	12.07	11.66	11.79	12.53	11.98	13.24	e13.61	12.74	13.13
24	12.39	13.05	12.30	12.07	11.64	11.77	12.48	12.20	13.17	e14.16	12.61	12.94
25	12.33	13.00	12.28	12.06	11.64	11.70	12.43	12.59	13.11	e14.47	12.73	12.93
26	12.29	12.99	12.25	12.09	11.64	11.51	12.36	12.70	12.91	e14.30	12.67	12.82
27	12.29	12.97	12.22	12.04	11.68	11.34	12.28	12.68	12.52	e14.23	12.33	12.62
28	12.30	12.92	12.18	11.97	11.67	11.20	12.20	12.63	12.31	e14.08	12.21	12.69
29	12.29	12.91	12.16	12.01	---	11.10	12.24	12.57	12.11	e13.88	12.18	12.97
30	12.30	12.89	12.15	12.04	---	11.02	13.14	12.49	12.02	e14.13	12.02	13.08
31	12.31	---	12.15	12.06	---	10.99	---	12.43	---	e13.87	11.62	---
MEAN	12.83	12.40	12.51	12.08	11.79	11.44	12.08	12.54	12.60	13.01	13.09	12.89
MAX	14.02	13.05	12.89	12.17	12.04	11.79	13.14	13.39	13.74	14.47	14.35	13.48
MIN	12.29	12.05	12.15	11.97	11.64	10.99	11.02	11.96	11.81	11.69	11.62	11.83

CAL YR 1984 MEAN 12.46 MAX 14.25 MIN 10.91
WTR YR 1985 MEAN 12.44 MAX 14.47 MIN 10.99

e Estimated

02289040 TAMIAMI CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

LOCATION.--Lat 25°45'22", long 80°43'34", in N½ sec.22, T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of levee 29 borrow canal, 100 ft northwest of control structure 12-C, and 33 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.-- November 1939 to September 1963 (monthly discharge), October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for estimated daily discharges, which are fair. Discharge is the total discharge through the S-12 structure A, B, C, and D from Conservation Area 3-A. Prior to October 1963 discharge was the total discharge southward through 12 bridges from bridge 40 to 29 and was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 02289000). The daily discharge computed from relation between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions.

COOPERATION.--Gate-opening records for S-12 complex provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--45 years, 446 ft^3/s, 323,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,810 ft^3/s Aug. 10, 11, 1968; maximum gage height, 10.52 ft Oct. 26, 1968; no flow for some days most years, minimum gage height 5.34 ft May 21, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,800 ft^3/s Oct. 2; maximum gage height, 9.99 ft Sept. 20; maximum daily reverse flow, -38 ft^3/s Mar. 28; minimum gage height, 5.62 ft June 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1730	917	815	482	30	e21	.00	e35	e18	.00	360	e974
2	1800	880	858	453	e25	e27	.00	e25	e7.0	.00	364	e986
3	1780	883	840	426	60	e27	e.00	12	e5.0	.00	373	e995
4	1770	924	833	433	93	e22	.00	5.6	e10	.00	387	e1000
5	1740	901	827	442	88	e23	.00	.00	e10	.00	405	e1000
6	1730	895	824	414	81	e18	.00	.00	e10	.00	715	e1010
7	1710	863	815	386	153	e14	e.00	.00	e10	.00	901	e1010
8	1710	842	811	356	209	e11	e.00	.00	e10	.00	911	e1010
9	1680	812	802	345	220	8.0	e.00	.00	e.00	16	928	e1010
10	1650	791	796	326	216	6.0	e.00	e3.0	e.00	62	932	e931
11	1630	757	790	301	e201	.00	e3.0	e34	e.00	88	933	e845
12	1610	732	780	281	e221	.00	e16	e36	e.00	87	934	e839
13	1620	698	770	250	195	.00	e61	e30	e10	87	939	e838
14	1600	676	770	213	121	.00	e108	e18	e15	89	938	e846
15	1510	658	761	192	18	.00	e153	4.0	e.00	90	934	e849
16	1410	651	745	174	40	.00	e191	e2.0	e.00	94	932	e846
17	1340	654	739	133	e57	.00	206	e.00	e.00	94	931	e666
18	1290	628	724	134	e54	.00	210	e18	e51	103	929	e568
19	1260	612	708	172	e28	.00	217	37	e89	107	928	e1000
20	1220	609	696	139	e3.0	.00	226	e66	e37	118	907	e1310
21	1160	616	686	131	e57	.00	231	80	.00	125	925	e1300
22	1130	620	678	27	e79	e.00	184	42	.00	127	959	e1290
23	1110	643	661	33	e55	e83	132	24	.00	e115	962	e1280
24	1100	694	641	110	e43	e101	126	88	.00	e122	964	e1500
25	1080	719	629	15	e39	e84	122	135	.00	e129	962	e1670
26	1050	717	631	21	e57	e14	119	189	.00	e135	959	e1640
27	1020	713	610	3.8	e14	e5.0	125	177	.00	e139	970	e1620
28	1010	711	571	.00	e.00	e-38	e134	168	.00	e141	979	e1610
29	980	715	547	2.2	---	.00	e67	143	.00	e144	985	e1600
30	972	720	526	17	---	.00	e37	91	.00	e260	992	e1600
31	939	---	499	29	---	.00	---	e26	---	e354	978	---
TOTAL	43341	22251	22383	6441.00	2457.00	426.00	2668.00	1488.60	282.00	2826.00	26216	33643
MEAN	1398	742	722	208	87.8	13.7	88.9	48.0	9.40	91.2	846	1121
MAX	1800	924	858	482	221	101	231	189	89	354	992	1670
MIN	939	609	499	.00	.00	-38	.00	.00	.00	.00	360	568
AC-FT	85970	44130	44400	12780	4870	845	5290	2950	559	5610	52000	66730

CAL YR 1984 TOTAL 329705.00 MEAN 901 MAX 1800 MIN 85 AC-FT 654000
WTR YR 1985 TOTAL 164422.60 MEAN 450 MAX 1800 MIN -38 AC-FT 326100

e Estimated

02289040 TAMIAMI CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.34	8.89	8.70	8.44	7.48	7.06	7.10	7.06	6.63	7.89	9.06	9.71
2	9.36	8.87	8.74	8.41	7.43	7.14	7.13	7.03	6.57	7.91	9.10	9.73
3	9.37	8.87	8.75	8.38	7.47	7.17	7.18	6.95	6.24	7.97	9.15	9.76
4	9.36	8.88	8.75	8.39	7.50	7.12	7.06	6.92	e5.94	7.99	9.24	9.77
5	9.36	8.87	8.75	8.39	7.45	7.15	6.89	6.92	e5.89	7.98	9.35	9.78
6	9.36	8.87	8.75	8.36	7.42	7.10	6.96	6.82	e5.80	7.97	9.39	9.80
7	e9.35	e8.85	8.74	8.34	7.48	7.08	7.02	6.78	e5.72	7.98	9.39	9.79
8	9.36	e8.82	8.73	8.31	7.51	7.06	6.76	6.76	e5.65	7.99	9.44	9.80
9	9.36	e8.80	8.72	8.30	7.48	7.03	6.62	6.57	e5.62	7.99	9.47	9.81
10	9.35	e8.79	8.72	8.28	7.44	7.01	6.77	6.72	e5.64	7.99	9.49	9.80
11	9.34	e8.77	8.71	8.25	7.37	7.00	7.08	7.57	e5.67	7.99	9.51	9.80
12	9.33	e8.75	8.70	8.22	7.36	6.98	7.24	7.57	5.70	8.01	9.51	9.81
13	9.32	e8.72	8.69	8.19	7.34	6.97	7.52	7.51	6.50	8.03	9.52	9.81
14	9.31	e8.71	8.69	8.14	7.25	6.97	7.67	7.36	7.41	8.04	9.51	9.83
15	9.28	8.68	8.68	8.12	6.96	6.65	7.76	7.04	7.61	8.06	9.51	9.85
16	e9.22	8.67	8.67	8.10	7.11	6.36	7.83	6.86	7.55	8.09	9.51	9.83
17	9.18	8.66	8.66	8.02	7.18	6.28	7.85	6.92	7.56	8.12	9.51	9.85
18	e9.14	8.64	8.65	8.01	7.19	6.39	7.85	7.18	7.54	8.18	9.52	9.94
19	9.11	8.62	8.63	8.03	7.14	6.31	7.85	7.24	7.49	8.22	9.52	9.98
20	9.07	8.62	8.62	7.97	6.97	6.02	7.85	7.35	7.48	8.31	9.55	9.99
21	9.05	8.61	8.61	7.93	7.20	6.21	7.84	7.37	7.47	8.36	9.65	9.98
22	9.03	8.61	8.60	7.73	7.24	6.82	7.72	7.09	7.50	8.36	9.71	9.96
23	9.02	8.62	8.59	7.72	7.21	7.66	7.56	6.93	7.54	8.44	9.71	9.95
24	9.00	8.64	8.57	7.81	7.18	7.72	7.53	7.22	7.63	8.65	9.71	9.94
25	8.99	8.64	8.56	7.60	7.17	7.65	7.49	7.36	7.73	8.72	9.69	9.93
26	8.97	8.63	8.56	7.60	7.22	7.41	7.47	7.47	7.77	8.76	9.68	9.91
27	8.95	8.63	8.54	7.48	7.13	7.28	7.47	7.37	7.79	8.82	9.72	9.89
28	8.94	8.62	8.52	7.35	6.79	7.22	7.47	7.29	7.80	8.87	9.73	9.87
29	8.92	8.62	8.50	7.46	---	7.17	7.19	7.18	7.77	8.92	9.76	9.86
30	8.91	8.63	8.48	7.47	---	7.13	7.04	6.99	7.80	8.97	9.78	9.86
31	8.89	---	8.46	7.49	---	7.10	---	6.81	---	9.03	9.74	---
MEAN	9.18	8.72	8.65	8.01	7.27	6.97	7.36	7.10	6.90	8.28	9.52	9.85
MAX	9.37	8.89	8.75	8.44	7.51	7.72	7.85	7.57	7.80	9.03	9.78	9.99
MIN	8.89	8.61	8.46	7.35	6.79	6.02	6.62	6.57	5.62	7.89	9.06	9.71

CAL YR 1984 MEAN 8.94 MAX 9.76 MIN 8.03
WTR YR 1985 MEAN 8.16 MAX 9.99 MIN 5.62

e Estimated

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°43'34", in N½ sec.22, T.54 S., R.36 E., Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-C, and 33 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located downstream from the control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-C.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.36 ft Nov. 5-8, 10, 1969; minimum, 5.37 ft May 21, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.35 ft Oct. 3; minimum, 5.59 ft June 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.31	8.87	8.69	8.42	7.45	7.03	7.09	e7.06	6.63	7.51	8.24	8.82
2	9.34	8.85	8.72	8.40	7.41	7.13	7.13	7.03	6.57	7.49	8.25	8.82
3	9.35	8.85	8.73	8.37	7.45	7.16	7.18	6.95	6.24	7.57	8.26	e8.83
4	9.34	8.87	8.73	8.37	7.47	7.11	7.05	6.92	5.93	7.61	8.28	e8.83
5	9.34	8.85	8.73	8.38	7.43	7.14	6.89	6.92	5.88	7.57	8.31	e8.84
6	9.33	8.85	8.73	8.35	7.40	7.08	6.96	6.82	5.79	7.52	8.49	e8.84
7	9.33	8.83	8.72	8.32	7.46	7.06	7.02	6.78	5.71	7.49	8.66	e8.83
8	9.33	8.81	8.71	8.29	7.49	7.04	6.76	6.76	5.65	7.47	8.69	e8.84
9	9.33	8.79	8.71	8.28	7.46	7.01	6.62	6.57	5.62	7.50	8.70	e8.85
10	9.32	8.78	8.70	8.26	7.42	6.99	6.76	6.68	5.64	7.63	8.71	e8.74
11	9.31	8.76	8.69	8.23	7.35	6.98	e7.06	7.57	5.67	7.77	8.72	e8.58
12	9.30	8.74	8.68	8.20	7.33	6.96	e7.23	7.57	5.69	7.81	8.73	e8.59
13	9.29	8.71	8.68	8.17	7.32	6.95	e7.51	7.51	6.47	7.83	8.73	e8.58
14	9.28	8.70	8.67	8.12	7.22	6.95	e7.66	7.37	e7.35	7.85	8.74	e8.58
15	9.25	8.68	8.66	8.10	6.94	6.66	e7.76	7.04	e7.26	7.85	8.74	e8.58
16	9.20	8.67	8.65	8.08	7.08	6.34	e7.83	6.86	e7.16	7.87	8.74	e8.58
17	9.16	8.66	8.64	8.01	7.16	6.25	7.85	6.92	e7.07	7.90	8.75	e8.56
18	9.13	8.63	8.63	7.99	7.16	6.36	7.84	7.18	e7.13	7.93	8.76	e8.52
19	9.10	8.61	8.61	8.01	7.12	6.31	7.84	7.24	e7.46	7.94	8.76	e8.66
20	9.07	8.60	8.60	7.95	6.94	6.01	7.84	7.35	e7.43	7.98	8.79	e8.81
21	9.05	8.60	8.59	7.92	7.17	6.18	7.84	7.37	7.30	7.98	8.82	e8.80
22	9.03	8.59	8.58	7.71	7.21	6.74	7.70	7.09	7.21	7.97	8.82	e8.80
23	9.02	8.61	8.57	7.70	7.18	7.63	7.55	6.93	7.20	e8.03	8.82	e8.80
24	9.00	8.63	8.55	7.80	7.16	7.70	7.52	7.21	7.20	e8.05	8.82	e8.88
25	8.99	8.63	8.54	7.58	7.15	7.64	7.48	7.36	7.22	e8.05	8.81	e8.98
26	8.97	8.62	8.54	7.58	7.19	7.39	7.46	7.46	7.29	e8.05	8.81	e8.98
27	8.95	8.61	8.52	7.46	7.12	7.26	7.46	7.37	7.42	e8.07	8.82	e8.98
28	8.94	8.61	8.50	7.33	6.76	7.20	7.46	7.28	7.54	e8.08	8.82	e8.97
29	8.92	8.61	8.48	7.44	---	7.15	e7.20	7.17	7.48	e8.09	8.83	e8.97
30	8.91	8.62	8.46	7.45	---	7.11	e7.03	6.98	7.46	e8.14	8.84	e8.97
31	8.89	---	8.44	7.47	---	7.09	---	6.80	---	8.23	8.83	---
MEAN	9.16	8.71	8.63	7.99	7.25	6.96	7.35	7.10	6.72	7.83	8.68	8.78
MAX	9.35	8.87	8.73	8.42	7.49	7.70	7.85	7.57	7.54	8.23	8.84	8.98
MIN	8.89	8.59	8.44	7.33	6.76	6.01	6.62	6.57	5.62	7.47	8.24	8.52

CAL YR 1984 MEAN 8.92 MAX 9.74 MIN 8.02
WTR YR 1985 MEAN 7.94 MAX 9.35 MIN 5.62

e Estimated

02289050 TAMIAMI CANAL ABOVE S-333, NEAR MIAMI, FL

LOCATION.--Lat 25°45'39", long 80°40'27", in S½ sec.6, T.54 S., R.37 E., Dade County Hydrologic Unit 03090202, on right bank in control house of control structure 333 at Levee 67A, 100 ft north of U.S. Highway 41 and 29 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1978 to September 1981 (gage heights), in files of South Florida Water Management District. October 1981 to current year.

GAGE.--Water-stage recorders and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records poor. Flow is regulated by operation of control structure 333. Discharge computed from relations between discharge, head, and gate opening.

COOPERATION.--Control structure 333 gate-operation records provided by South Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,610 ft^3/s May 14, 1985; maximum gage height, 10.40 ft Nov. 5, 1982; no flow for many days each year; minimum gage height, 5.60 ft June 8, 9, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,610 ft^3/s May 14; maximum gage height, 10.08 ft Sept. 21, 22; no flow for many days; minimum gage height, 5.60 ft June 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	801	.00	.00	285	151	623	1340	589	.00	369	932
2	.00	837	.00	.00	282	202	627	1320	586	.00	371	938
3	.00	813	.00	.00	287	203	629	1310	835	.00	374	942
4	.00	758	.00	.00	288	261	614	1310	945	.00	381	946
5	.00	738	.00	.00	285	363	597	1290	931	.00	388	946
6	.00	736	.00	.00	284	447	617	1250	911	.00	644	947
7	.00	733	.00	.00	290	469	629	1260	896	.00	796	946
8	.00	732	.00	.00	292	466	847	1250	874	.00	800	948
9	.00	726	.00	.00	288	467	1090	1170	868	.00	797	947
10	.00	721	.00	.00	285	467	682	1380	872	.00	800	944
11	.00	720	.00	53	281	469	622	.00	881	.00	799	945
12	.00	714	.00	115	286	472	e282	.00	860	.00	799	948
13	.00	709	.00	113	282	475	.00	.00	334	.00	843	944
14	.00	704	.00	114	275	481	.00	1610	.00	.00	867	948
15	436	700	.00	118	248	654	.00	1320	.00	.00	866	903
16	736	699	.00	119	268	693	.00	1280	.00	42	867	880
17	787	693	.00	117	272	673	.00	1280	.00	103	867	850
18	818	687	.00	192	274	680	e34	1390	.00	104	868	291
19	810	685	.00	237	271	656	e68	1400	.00	105	866	.00
20	804	683	.00	235	257	569	.00	1400	.00	106	900	.00
21	797	682	.00	455	279	734	.00	1510	.00	108	929	.00
22	791	682	.00	624	283	380	e497	1400	.00	108	940	.00
23	784	688	.00	238	283	.00	e728	1350	.00	127	940	.00
24	783	634	.00	.00	282	.00	719	1450	.00	149	938	.00
25	779	605	.00	.00	284	307	716	1440	.00	152	937	.00
26	775	604	.00	.00	148	636	714	1400	.00	154	930	.00
27	769	602	.00	.00	220	621	718	1320	.00	156	935	.00
28	764	601	.00	.00	176	617	717	1300	.00	158	934	.00
29	760	605	.00	124	---	614	1010	1280	.00	160	935	.00
30	765	365	.00	284	---	615	1370	1240	.00	274	944	.00
31	786	---	.00	286	---	618	---	1210	---	366	938	---
TOTAL	12944.00	20657	.00	3424.00	7535	14460.00	15150.00	37460.00	10382.00	2372.00	24562	16145.00
MEAN	418	689	.000	110	269	466	505	1208	346	76.5	792	538
MAX	818	837	.00	624	292	734	1370	1610	945	366	944	948
MIN	.00	365	.00	.00	148	.00	.00	.00	.00	.00	369	.00
AC-FT	25670	40970	.00	6790	14950	28680	30050	74300	20590	4700	48720	32020

CAL YR 1984	TOTAL	84815.00	MEAN 232	MAX 1040	MIN .00	AC-FT	168200
WTR YR 1985	TOTAL	165091.00	MEAN 452	MAX 1610	MIN .00	AC-FT	327500

e Estimated

02289050 TAMIAMI CANAL ABOVE S-333, NEAR MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.46	8.90	8.79	8.43	7.46	7.05	7.11	7.05	6.62	7.89	9.10	9.72
2	9.50	8.87	8.82	8.41	7.42	7.14	7.14	7.01	6.56	7.92	9.14	9.75
3	9.50	8.88	8.82	8.38	7.46	7.16	7.19	6.95	6.23	7.98	9.19	9.77
4	9.50	8.91	8.81	8.39	7.48	7.10	7.06	6.93	5.92	8.00	9.27	9.78
5	9.49	8.89	8.81	8.39	7.43	7.15	6.89	6.90	5.87	7.99	9.37	9.80
6	9.48	8.88	8.81	8.37	7.40	7.10	6.96	6.80	5.78	7.99	9.41	9.82
7	9.48	8.87	8.81	8.33	7.46	7.07	7.02	6.76	5.70	7.99	9.41	9.82
8	9.48	8.85	8.80	8.31	7.49	7.05	6.76	6.74	5.64	8.00	9.46	9.82
9	9.48	8.83	8.79	8.29	7.46	7.02	6.61	6.55	5.62	8.01	9.50	9.83
10	9.47	8.81	8.78	8.27	7.41	7.01	6.75	6.69	5.63	8.00	9.53	9.82
11	9.45	8.79	8.77	8.24	7.36	6.99	7.06	7.56	5.66	8.00	9.54	9.82
12	9.44	8.77	8.75	8.22	7.37	6.98	7.23	7.56	5.69	8.02	9.54	9.83
13	9.44	8.75	8.74	8.18	7.33	6.97	7.53	7.50	6.50	8.05	9.54	9.83
14	9.42	8.74	8.74	8.14	7.24	6.97	7.67	7.36	7.41	8.07	9.53	9.86
15	9.34	8.71	8.72	8.12	6.95	6.68	7.76	7.03	7.61	8.08	9.53	9.87
16	9.25	8.71	8.71	8.09	7.10	6.36	7.84	6.84	7.55	8.13	9.53	9.86
17	9.21	8.69	8.69	8.02	7.16	6.29	7.86	6.92	7.55	8.15	9.53	9.88
18	9.17	8.66	8.68	8.01	7.17	6.39	7.85	7.18	7.54	8.22	9.54	10.00
19	9.14	8.64	8.66	8.02	7.12	6.33	7.85	7.22	7.49	8.26	9.54	10.05
20	9.12	8.63	8.64	7.96	6.95	6.02	7.85	7.34	7.48	8.36	9.56	10.07
21	9.09	8.63	8.63	7.92	7.18	6.20	7.84	7.36	7.46	8.41	9.66	10.08
22	9.07	8.63	8.62	7.71	7.21	6.77	7.70	7.08	7.49	8.42	9.73	10.06
23	9.06	8.65	8.60	7.71	7.18	7.67	7.55	6.91	7.54	8.48	9.73	10.05
24	9.04	8.68	8.58	7.81	7.16	7.73	7.52	7.21	7.63	8.73	9.72	10.04
25	9.03	8.69	8.57	7.60	7.15	7.67	7.49	7.35	7.73	8.80	9.71	10.03
26	9.01	8.67	8.56	7.59	7.19	7.41	7.46	7.46	7.77	8.83	9.69	10.01
27	8.98	8.65	8.54	7.47	7.11	7.28	7.46	7.35	7.79	8.88	9.72	9.99
28	8.97	8.64	8.51	7.35	6.77	7.22	7.47	7.27	7.80	8.93	9.74	9.99
29	8.95	8.65	8.49	7.46	---	7.17	7.19	7.16	7.78	8.98	9.78	9.97
30	8.93	8.68	8.47	7.46	---	7.13	7.03	6.97	7.80	9.01	9.80	9.97
31	8.91	---	8.45	7.47	---	7.11	---	6.79	---	9.06	9.76	---
MEAN	9.25	8.75	8.68	8.00	7.26	6.97	7.36	7.09	6.89	8.31	9.54	9.91
MAX	9.50	8.91	8.82	8.43	7.49	7.73	7.86	7.56	7.80	9.06	9.80	10.08
MIN	8.91	8.63	8.45	7.35	6.77	6.02	6.61	6.55	5.62	7.89	9.10	9.72

CAL YR 1984 MEAN 9.01 MAX 9.92 MIN 8.00
WTR YR 1985 MEAN 8.17 MAX 10.08 MIN 5.62

254100080402400 L-67 EXTENDED CANAL WEST, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°41'00", long 80°40'24", between sec.24, T.55 S., R.36 E., and sec.6, T.55 S., R.37 E., in-between hiatus of unsurveyed area, Dade County, Hydrologic Unit 03090202, 5.8 mi south of U.S. Highway 41 on the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year (gage heights).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.99 ft Oct. 1, 2, 1984, minimum, 4.55 ft May 10, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.99 ft Oct. 1, 2; minimum, 4.55 ft, May 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.96	7.65	7.40	7.34	6.67	6.14	5.76	4.96	5.77	6.34	6.52	7.06
2	7.98	7.66	7.42	7.33	6.65	6.13	5.75	4.92	e5.71	6.32	6.48	7.04
3	7.96	7.68	7.43	7.31	6.62	6.11	5.78	4.87	e5.64	6.44	6.45	7.03
4	7.94	7.74	7.43	7.31	6.60	6.09	5.73	4.83	e5.60	6.57	6.43	7.01
5	7.93	7.74	7.44	7.30	6.57	6.07	5.69	4.77	e5.55	6.56	6.41	7.04
6	7.92	7.72	7.44	7.28	6.55	6.04	5.65	4.74	e5.50	6.46	6.43	7.08
7	7.91	7.69	7.44	7.27	6.54	6.04	5.62	4.69	e5.44	6.37	6.52	7.07
8	7.91	7.66	7.43	7.25	6.51	6.04	5.59	4.64	e5.38	6.30	6.65	7.07
9	7.91	7.64	7.43	7.24	6.48	6.03	5.56	4.60	e5.32	6.25	6.66	7.11
10	7.91	7.63	7.42	7.22	6.45	6.01	5.52	4.57	e5.26	6.23	6.68	7.11
11	7.89	7.61	7.42	7.21	6.43	5.98	5.49	4.66	e5.20	6.22	6.71	7.11
12	7.89	7.59	7.44	7.19	6.41	5.97	5.47	4.99	e5.21	6.23	6.75	7.12
13	7.90	7.57	7.46	7.17	6.39	5.94	5.57	5.22	5.27	6.22	6.74	7.14
14	7.89	7.55	7.46	7.15	6.37	5.92	5.54	5.35	5.27	6.22	6.74	7.14
15	7.88	7.54	7.46	7.14	6.35	5.91	5.53	5.33	5.24	6.30	6.74	7.12
16	7.87	7.53	7.45	7.12	6.34	5.89	5.61	5.27	5.17	6.40	6.74	7.12
17	7.86	7.51	7.45	7.09	6.33	5.89	5.53	5.23	5.09	6.43	6.75	7.16
18	7.85	7.49	7.46	7.08	6.31	5.95	5.48	5.16	5.03	6.41	6.82	7.20
19	7.83	7.48	7.45	7.07	6.29	5.90	5.43	5.11	4.99	6.41	6.83	7.19
20	7.81	7.47	7.45	7.05	6.28	5.88	5.39	5.19	5.06	6.53	6.83	7.19
21	7.80	7.46	7.44	7.02	6.26	5.86	5.38	5.35	5.32	6.61	6.89	7.19
22	7.78	7.45	7.44	6.99	6.25	6.05	5.36	5.70	5.45	6.64	7.04	7.17
23	7.77	7.47	7.43	6.95	6.24	6.06	5.32	5.75	5.90	6.82	7.13	7.17
24	7.76	7.47	7.42	6.93	6.23	6.03	5.27	5.84	6.13	6.96	7.19	7.16
25	7.75	7.45	7.41	6.90	6.21	5.99	5.22	5.88	6.14	6.92	7.17	7.15
26	7.74	7.44	7.41	6.87	6.19	5.95	5.18	5.97	6.16	6.87	7.13	7.15
27	7.72	7.43	7.40	6.83	6.17	5.92	5.13	5.95	6.19	6.83	7.11	7.16
28	7.71	7.42	7.40	6.80	6.15	5.89	5.08	5.93	6.22	6.77	7.10	7.17
29	7.69	7.41	7.38	6.76	---	5.85	5.03	5.89	6.15	6.68	7.11	7.18
30	7.68	7.40	7.37	6.74	---	5.83	5.00	5.84	6.19	6.61	7.10	7.21
31	7.65	---	7.36	6.71	---	5.80	---	5.81	---	6.56	7.08	---
MEAN	7.84	7.55	7.43	7.08	6.39	5.97	5.46	5.26	5.55	6.50	6.80	7.13
MAX	7.98	7.74	7.46	7.34	6.67	6.14	5.78	5.97	6.22	6.96	7.19	7.21
MIN	7.65	7.40	7.36	6.71	6.15	5.80	5.00	4.57	4.99	6.22	6.41	7.01

CAL YR 1984 MEAN 7.54 MAX 7.98 MIN 6.54
WTR YR 1985 MEAN 6.58 MAX 7.98 MIN 4.57

e Estimated

254100080402200 NORTHEAST SHARK RIVER SLOUGH EAST OF L 67 EXTENSION NEAR RICHMOND HEIGHTS, FL.

LOCATION.--Lat 25°41'00", long 80°40'22", in NW¼ sec.6, T.55 S., R.37 E., Dade County, Hydrologic Unit 03090202, 5.8 mi south of U.S. Highway 41 on the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1984 to current year (gage heights).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.27 ft Aug. 21, 1984; minimum, 4.86 ft May 9, 10, 11, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.26 ft Oct. 1, 2; minimum, 4.86 ft May 9, 10, 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.23	6.89	6.96	6.73	6.47	6.08	5.68	4.94	5.86	e6.50	e6.50	6.83
2	7.24	6.91	6.96	6.72	6.45	6.06	5.66	4.92	5.80	e6.60	e6.48	6.82
3	7.21	6.98	6.96	6.71	6.44	6.04	5.68	4.91	5.73	e6.58	e6.45	6.82
4	7.19	7.07	6.96	6.71	6.43	6.03	5.65	4.90	5.68	e6.56	e6.43	6.82
5	7.16	7.07	6.96	6.71	6.42	6.00	5.61	4.89	5.62	e6.55	e6.40	6.86
6	7.15	7.07	6.95	6.70	6.40	5.98	5.57	4.88	5.56	e6.53	e6.35	6.89
7	7.13	7.06	6.93	6.69	6.39	5.96	5.54	4.87	5.49	e6.51	e6.38	6.87
8	7.11	7.04	6.91	6.68	6.40	5.96	5.50	4.87	5.44	e6.49	e6.40	6.87
9	7.10	7.02	6.90	6.68	6.40	5.95	5.48	4.86	5.37	e6.47	e6.43	6.90
10	7.09	7.01	6.89	6.67	6.39	5.93	5.44	4.86	5.32	e6.45	e6.45	6.92
11	7.07	7.01	6.88	6.66	6.36	5.91	5.40	4.93	5.25	e6.44	e6.47	6.93
12	7.07	7.00	6.87	6.65	6.34	5.90	5.36	5.40	5.26	e6.43	e6.50	6.94
13	7.07	6.98	6.86	6.64	6.32	5.88	5.42	5.52	5.34	e6.42	e6.53	6.97
14	7.05	6.98	6.86	6.62	6.30	5.85	5.43	5.57	5.36	e6.41	e6.56	7.00
15	7.04	6.97	6.84	6.62	6.29	5.83	5.44	5.52	5.35	e6.40	e6.59	6.99
16	7.03	6.97	6.83	6.62	6.28	5.81	5.49	5.44	5.29	e6.48	e6.62	7.00
17	7.02	6.96	6.83	6.62	6.26	5.80	5.46	5.36	5.22	e6.50	e6.65	7.12
18	7.01	6.96	6.83	6.61	6.25	5.83	5.40	5.25	5.17	e6.49	e6.68	7.19
19	6.99	6.95	6.82	6.62	6.24	5.79	5.35	5.16	5.11	e6.48	e6.71	7.19
20	6.98	6.95	6.80	6.62	6.24	5.77	5.30	5.07	5.21	e6.50	e6.74	7.19
21	6.96	6.95	6.80	6.60	6.22	5.76	5.31	5.28	5.84	e6.52	e6.76	7.19
22	6.95	6.96	6.79	6.58	6.19	5.95	5.29	5.89	6.01	e6.54	e6.78	7.14
23	6.95	6.99	6.78	6.57	6.18	6.03	5.22	5.95	6.62	e6.70	6.81	7.11
24	6.94	7.00	6.77	6.56	6.16	6.01	5.17	6.15	6.67	e6.72	6.82	7.07
25	6.94	6.99	6.77	6.56	6.15	5.97	5.13	6.20	6.55	e6.75	6.79	7.04
26	6.93	6.98	6.76	6.55	6.13	5.92	5.08	6.31	6.51	e6.70	6.77	7.00
27	6.92	6.98	6.76	6.54	6.11	5.87	5.03	6.27	6.58	e6.65	6.78	6.97
28	6.92	6.97	6.75	6.53	6.10	5.82	4.99	6.19	6.67	e6.60	6.81	6.94
29	6.91	6.97	6.74	6.51	---	5.78	4.97	6.09	6.53	e6.58	6.83	6.92
30	6.90	6.96	6.74	6.50	---	5.74	4.95	6.01	6.46	e6.55	6.84	6.93
31	6.88	---	6.73	6.47	---	5.71	---	5.93	---	e6.53	6.84	---
MEAN	7.04	6.99	6.84	6.62	6.30	5.90	5.37	5.43	5.76	6.54	6.62	6.98
MAX	7.24	7.07	6.96	6.73	6.47	6.08	5.68	6.31	6.67	6.75	6.84	7.19
MIN	6.88	6.89	6.73	6.47	6.10	5.71	4.95	4.86	5.11	6.40	6.35	6.82

WTR YR 1985 MEAN 6.37 MAX 7.24 MIN 4.86

e Estimated

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°33'40", in SE¼ sec.6, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, on south bank, 50 ft west of bridge 53 on U.S. Highway 41, and 22.8 mi west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to current year. Prior to October 1963, published as Tamiami Canal at bridge 45, near Miami (auxiliary). Records prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 27, 1942, nonrecording gage at datum 0.80 ft lower; Aug. 27, 1942 to Feb. 21, 1952, nonrecording gage at present datum; and Feb. 21, 1952 to Aug. 7, 1969 water-stage recorder at same datum all at site 4 mi to the west.

REMARKS.--Records poor. Figures of daily discharge consist of seepage through levee 29 from Conservation Area 3B and discharges from S-333 distributed along L-29 from Conservation Area 3A 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 02289000).

AVERAGE DISCHARGE.--45 years, 214 ft^3/s, 155,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,100 ft^3/s Sept. 17, 1985; maximum gage height, 9.76 ft Nov. 1, 1960; maximum daily reverse flow, 7.0 ft^3/s estimated, May 11, 12, 1964; minimum gage height, 1.66 ft May 13, 14, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,100 ft^3/s Sept. 17; maximum gage height, 7.60 ft Sept. 16; no flow for many days; minimum gage height, 4.36 ft June 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	513	114	13	17	.30	.00	50	.00	.00	286	778
2	67	481	104	13	16	.98	.00	51	.00	.09	284	765
3	64	585	85	13	17	1.1	.00	47	.00	2.2	267	783
4	62	755	77	14	18	1.2	.00	46	.00	6.3	252	794
5	61	786	70	13	18	2.4	.00	43	.00	6.5	235	857
6	59	744	65	13	17	4.5	.00	37	.00	5.1	602	866
7	59	673	60	13	18	6.7	.00	31	.00	4.6	658	846
8	59	665	54	12	18	8.3	.00	31	.00	3.4	708	858
9	59	656	51	12	18	8.9	.00	28	.00	2.7	836	946
10	61	620	47	11	17	10	.00	36	.00	1.8	842	930
11	59	623	44	6.2	17	10	.00	8.8	.00	1.4	796	911
12	56	599	41	21	18	10	.00	4.9	.00	2.2	761	919
13	56	557	39	23	15	10	.00	1.4	.00	4.0	789	1000
14	55	547	37	17	12	9.8	.00	4.9	.00	4.9	825	1020
15	195	542	34	6.6	7.1	12	.00	.47	.00	6.4	796	980
16	421	564	32	5.3	7.1	9.8	.00	.00	.00	13	763	1050
17	531	554	30	4.9	7.9	7.6	.00	.00	.00	30	740	1100
18	636	555	27	3.8	7.5	9.2	.00	.00	.00	36	734	692
19	665	575	26	3.2	6.7	6.1	.00	.00	.00	41	713	276
20	695	564	24	3.2	4.0	.35	.00	.00	.00	49	771	250
21	695	558	22	4.8	4.5	1.6	e.00	.00	.00	54	863	226
22	695	584	21	6.7	5.0	7.9	e.00	.00	.00	57	899	200
23	695	675	19	5.9	4.1	1.2	e.00	.00	.00	75	866	169
24	695	582	17	10	3.8	.00	e.00	.00	.00	92	834	150
25	726	519	16	11	3.0	.62	e.00	.00	.00	91	799	133
26	726	495	16	11	2.1	1.6	e.00	.00	.00	99	743	113
27	726	477	14	11	.45	.62	e.00	.00	.00	106	765	103
28	726	510	14	11	.50	.00	e.00	.00	.00	113	739	93
29	695	476	14	12	---	.00	33	.00	.00	127	888	89
30	556	359	14	16	---	.00	41	.00	.00	212	833	89
31	489	---	13	16	---	.00	---	.00	---	304	808	---
TOTAL	11409	17393	1241	336.6	299.75	142.77	74.00	420.47	.00	1550.59	21695	17986
MEAN	368	580	40.0	10.9	10.7	4.61	2.47	13.6	.000	50.0	700	600
MAX	726	786	114	23	18	12	41	51	.00	304	899	1100
MIN	55	359	13	3.2	.45	.00	.00	.00	.00	.00	235	89
AC-FT	22630	34500	2460	668	595	283	147	834	.00	3080	43030	35680

CAL YR 1984 TOTAL 85352.00 MEAN 233 MAX 993 MIN 13 AC-FT 169300
WTR YR 1985 TOTAL 72548.18 MEAN 199 MAX 1100 MIN .00 AC-FT 143900

e Estimated

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.03	7.44	7.11	6.60	6.39	5.90	5.75	5.88	5.54	6.07	6.97	7.53
2	7.02	7.43	7.09	6.60	6.38	5.94	5.74	5.89	5.49	6.11	6.98	7.52
3	6.99	7.47	7.04	6.59	6.38	5.93	5.79	5.86	5.41	6.25	6.99	7.52
4	6.97	7.54	6.99	6.59	6.38	5.90	5.73	5.85	5.35	6.39	6.99	7.52
5	6.95	7.55	6.96	6.58	6.37	5.92	5.64	5.83	5.30	6.40	6.99	7.54
6	6.93	7.54	6.93	6.57	6.36	5.96	5.62	5.78	5.24	6.37	7.16	7.54
7	6.91	7.52	6.89	6.55	6.36	5.97	5.62	5.74	5.18	6.36	7.23	7.54
8	6.90	7.52	6.86	6.55	6.36	5.98	5.60	5.74	5.15	6.33	7.26	7.54
9	6.89	7.52	6.84	6.54	6.35	5.96	5.74	5.71	5.14	6.30	7.32	7.55
10	6.88	7.51	6.82	6.53	6.33	5.96	5.72	5.77	5.16	6.27	7.33	7.55
11	6.86	7.52	6.80	6.23	6.32	5.93	5.66	5.44	5.18	6.25	7.34	7.54
12	6.84	7.51	6.79	6.63	6.33	5.91	5.51	5.38	5.23	6.27	7.34	7.55
13	6.84	7.50	6.77	6.66	6.29	5.88	5.35	5.27	5.43	6.29	7.37	7.56
14	6.83	7.50	6.76	6.56	6.25	5.85	5.31	5.29	5.22	6.29	7.39	7.56
15	7.09	7.49	6.74	6.41	6.17	5.90	5.29	5.71	5.05	6.31	7.39	7.54
16	7.39	7.49	6.73	6.37	6.17	5.90	5.49	5.75	4.91	6.39	7.39	7.55
17	7.44	7.49	6.72	6.35	6.19	5.88	5.41	5.73	4.78	6.57	7.39	7.56
18	7.48	7.49	6.71	6.32	6.18	5.94	5.38	5.66	4.66	6.59	7.40	7.41
19	7.49	7.49	6.70	6.29	6.16	5.90	5.42	5.66	4.57	6.61	7.41	7.23
20	7.50	7.48	6.69	6.28	6.11	5.71	5.24	5.64	4.50	6.65	7.43	7.21
21	7.50	7.48	6.69	6.31	6.12	5.79	e5.14	5.39	4.42	6.66	7.47	7.18
22	7.50	7.48	6.68	6.34	6.14	6.00	e5.26	5.35	4.61	6.66	7.48	7.15
23	7.50	7.51	6.67	6.31	6.12	5.85	e5.45	5.43	5.26	6.76	7.48	7.10
24	7.50	7.48	6.66	6.38	6.11	5.72	e5.49	5.52	5.45	6.83	7.48	7.07
25	7.51	7.45	6.65	6.38	6.09	5.77	e5.48	5.68	5.59	6.81	7.48	7.03
26	7.51	7.43	6.66	6.37	6.06	5.96	e5.47	5.90	5.65	6.80	7.48	6.99
27	7.51	7.43	6.64	6.36	5.95	5.91	e5.46	5.97	5.70	6.79	7.49	6.96
28	7.51	7.43	6.64	6.35	5.94	5.87	e5.48	5.92	5.84	6.78	7.49	6.93
29	7.50	7.41	6.63	6.35	---	5.83	5.74	5.85	5.77	6.78	7.55	6.91
30	7.45	7.33	6.62	6.40	---	5.79	5.82	5.74	5.77	6.86	7.53	6.90
31	7.42	---	6.61	6.39	---	5.77	---	5.63	---	6.96	7.53	---
MEAN	7.21	7.48	6.78	6.44	6.23	5.89	5.53	5.68	5.22	6.51	7.34	7.34
MAX	7.51	7.55	7.11	6.66	6.39	6.00	5.82	5.97	5.84	6.96	7.55	7.56
MIN	6.83	7.33	6.61	6.23	5.94	5.71	5.14	5.27	4.42	6.07	6.97	6.90

CAL YR 1984 MEAN 6.98 MAX 7.55 MIN 6.44
WTR YR 1985 MEAN 6.47 MAX 7.56 MIN 4.42

e Estimated

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL

LOCATION.--Lat 25°45'43", long 80°19'42", in SW¼ sec.3, T.54 S., R.40 E., Dade County, Hydrologic Unit 03090202, on upstream side of footbridge, 25 ft from south bank, 0.5 mi upstream from Coral Gables, 2.5 mi west of Coral Gables, 3.5 mi downstream from Snapper Creek Canal, and 6.2 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to June 1943, October 1959 to current year. Records of gage height prior to October 1960 are available in files of the Geological Survey.

GAGE.--Water-stage recorder and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929. January 1940 to June 1943, nonrecording gage at same site at datum 0.22 ft lower.

REMARKS.--Records poor. The flow is slightly affected by tide and is regulated by control structure at Dade-Broward Levee 7.5 mi upstream and at salinity-control structure S-25, 1.2 mi downstream. The canal is blocked by Levee 30, 10.5 mi upstream. Flow is diverted to and from Snapper Creek Canal 3.5 mi upstream. Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter.

COOPERATION.--Records of salinity-control structure operation provided by South Florida Water Management District.

AVERAGE DISCHARGE.--25 years (water years 1960-83, 1985), 142 ft^3/s 102,900 acre-ft yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 675 ft^3/s Aug. 22, 1981; maximum gage height, 6.38 ft Aug. 18, 1981; no flow May 25, 26, 1985; maximum daily reverse flow, 28 ft^3/s May 4, 5, 6, 1975; minimum gage height, 1.08 ft May 31, 1962.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known, 8.49 ft Oct. 12, 1947, present datum, from nonrecording gage reading.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 370 ft^3/s Oct. 1; maximum gage height, 4.46 ft Aug. 18; no flow May 25, 26; minimum gage height, 1.81 ft June 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	79	173	79	89	e90	e78	39	43	225	27	149
2	326	117	215	85	91	e78	e83	39	35	156	38	131
3	299	114	201	86	93	e74	79	39	42	119	33	144
4	262	86	190	89	91	e75	78	42	42	125	43	152
5	243	84	194	92	93	e72	78	46	42	119	59	153
6	203	78	218	91	94	e66	79	50	38	123	94	160
7	179	78	191	88	95	63	e78	50	41	129	89	e143
8	179	76	174	91	110	68	e67	46	41	124	90	e131
9	177	69	157	84	107	70	47	42	45	138	137	148
10	202	76	149	75	104	e72	57	38	42	145	220	157
11	177	71	137	75	99	e74	63	31	31	135	208	165
12	163	68	130	75	100	e75	66	43	31	149	197	162
13	153	78	125	75	107	e75	58	43	4.1	178	170	159
14	159	e94	124	69	105	e74	52	35	47	180	150	168
15	158	e88	119	e71	99	e73	39	35	47	187	117	167
16	149	e50	118	e76	97	e75	43	35	46	159	98	170
17	135	e55	112	e72	97	e65	48	27	42	150	127	178
18	130	83	108	e71	91	e62	44	23	46	147	133	200
19	129	81	103	70	98	e70	43	27	45	83	132	242
20	105	62	87	74	97	e68	51	31	41	e75	136	297
21	122	e51	76	74	97	e65	27	26	26	e75	128	256
22	119	e43	75	77	101	e53	39	26	19	e75	123	202
23	84	e42	82	76	e99	e65	42	26	30	e75	106	196
24	85	e45	87	76	e105	e61	45	18	27	e200	110	183
25	91	e47	85	76	e106	e74	47	.00	69	e343	103	187
26	89	e133	86	77	e 98	e69	47	.00	67	201	111	165
27	89	156	83	84	e 99	e74	46	12	102	66	110	185
28	85	172	85	77	e 96	e73	42	32	97	50	110	151
29	80	195	81	73	---	e83	34	44	91	33	166	133
30	76	173	78	76	---	e77	27	51	134	20	186	157
31	74	---	75	84	---	e79	---	43	---	27	172	---
TOTAL	4892	2644	3918	2438	2758	2212	1627	1039.00	1453.1	4011	3723	5191
MEAN	158	88.1	126	78.6	98.5	71.4	54.2	33.5	48.4	129	120	173
MAX	370	195	218	92	110	90	83	51	134	343	220	297
MIN	74	42	75	69	89	53	27	.00	4.1	20	27	131
AC-FT	9700	5240	7770	4840	5470	4390	3230	2060	2880	7960	7380	10300

WTR YR 1985 TOTAL 35906.10 MEAN 98.4 MAX 370 MIN .00 AC-FT 71220

e Estimated

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.39	2.80	2.90	2.73	2.51	e2.42	e2.53	2.42	2.39	3.13	2.95	2.93
2	3.29	2.78	3.06	2.72	2.52	e2.45	e2.49	2.39	2.37	3.26	3.18	2.78
3	3.17	2.79	3.05	2.71	2.52	e2.46	2.49	2.37	2.35	3.24	3.46	2.77
4	3.05	2.84	2.72	2.73	2.52	e2.46	2.46	2.36	2.32	3.18	3.63	2.74
5	2.99	2.85	2.86	2.73	2.51	e2.47	2.43	2.36	2.28	3.15	4.28	2.72
6	2.97	2.84	2.78	2.72	2.50	e2.46	2.31	2.35	2.25	3.05	4.33	2.70
7	2.95	2.80	2.83	2.70	2.51	2.46	e2.20	2.33	2.20	3.09	4.34	2.70
8	2.93	2.79	2.83	2.69	2.51	2.48	e2.23	2.31	2.16	3.16	4.40	2.73
9	2.90	2.78	2.84	2.68	2.51	2.48	2.44	2.31	2.19	3.12	4.39	2.69
10	2.89	2.76	2.83	2.66	2.51	e2.49	2.43	2.31	2.32	3.04	4.35	2.72
11	2.87	2.76	2.82	2.65	2.50	e2.49	2.41	2.38	2.37	2.89	4.34	2.80
12	2.85	2.75	2.80	2.64	2.51	e2.49	2.39	2.43	2.40	2.89	4.33	2.83
13	2.85	2.74	2.79	2.62	2.50	e2.46	2.42	2.43	2.48	2.88	4.32	2.92
14	2.85	2.71	2.78	2.60	2.50	e2.46	2.45	2.41	2.46	2.98	4.36	3.03
15	2.82	2.70	2.76	e2.60	2.50	e2.45	2.52	2.39	2.41	2.97	4.32	2.99
16	2.81	2.69	2.74	e2.64	2.50	e2.45	2.63	2.36	2.36	2.94	4.27	2.95
17	2.82	2.69	2.72	e2.63	2.50	e2.47	2.60	2.37	2.31	2.93	4.19	2.95
18	2.83	2.70	2.71	e2.61	2.49	e2.49	2.60	2.40	2.27	3.04	4.39	3.28
19	2.82	2.70	2.69	e2.63	2.50	e2.49	2.50	2.38	2.20	3.17	3.56	3.41
20	2.85	2.72	2.71	2.62	2.50	e2.47	2.44	2.18	2.17	3.03	2.94	3.52
21	2.83	2.81	2.76	2.61	2.49	e2.47	2.44	2.07	2.16	2.94	2.93	3.36
22	2.80	2.83	2.77	2.58	2.47	2.65	2.38	2.06	2.18	2.95	2.94	3.19
23	2.83	2.91	2.77	2.57	e2.51	e2.39	2.30	2.06	2.23	3.39	2.96	3.08
24	2.85	2.92	2.77	2.56	e2.94	e1.98	2.23	2.09	2.33	3.51	2.97	3.00
25	2.85	2.87	2.77	2.56	e2.90	e2.71	2.31	2.22	2.70	3.07	2.95	2.96
26	2.84	2.86	2.80	2.55	e2.45	e2.68	2.40	2.48	2.70	2.83	2.89	2.94
27	2.83	2.86	2.80	2.54	e2.45	e2.66	2.34	2.51	2.66	2.66	2.89	2.94
28	2.82	2.84	2.78	2.53	e2.43	e2.66	2.27	2.58	2.65	2.54	2.90	2.87
29	2.81	2.78	2.76	2.53	---	e2.62	2.31	2.55	2.61	2.45	3.15	2.82
30	2.79	2.79	2.76	2.51	---	e2.59	2.42	2.45	2.81	2.45	3.14	2.83
31	2.79	---	2.75	2.51	---	e2.56	---	2.41	---	2.66	3.04	---
MEAN	2.90	2.79	2.80	2.62	2.53	2.49	2.41	2.35	2.38	2.99	3.65	2.94
MAX	3.39	2.92	3.06	2.73	2.94	2.71	2.63	2.58	2.81	3.51	4.40	3.52
MIN	2.79	2.69	2.69	2.51	2.43	1.98	2.20	2.06	2.16	2.45	2.89	2.69

CAL YR 1984 MEAN 2.75 MAX 4.04 MIN 2.18
WTR YR 1985 MEAN 2.74 MAX 4.40 MIN 1.98

e Estimated

254315080331500 NORTHEAST SHARK RIVER SLOUGH NO. 2 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°43'15", long 80°33'15", in SW¼ sec.20, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, 2.7 mi south of Coopertown in Northeast Shark River Slough.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, October 1982 to current year (gage heights). Published as "Northeast Shark Valley Slough No. 2 near Coopertown" October 1976 to September 1977.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.38 ft (estimated) Oct. 6, 7, 1982; minimum, 3.41 ft estimated Apr. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.13 ft Sept. 18; minimum, 4.63 ft (estimated) March 21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.84	6.75	6.86	6.32	5.81	5.11	e4.73	e4.68	5.04	5.89	6.44	6.84
2	6.84	6.77	6.86	6.31	5.78	5.09	e4.72	e4.68	4.94	5.93	6.43	6.82
3	6.82	6.79	6.82	6.30	5.76	5.06	e4.72	e4.68	4.83	6.04	6.43	6.81
4	6.80	6.86	6.79	6.29	5.74	5.03	e4.71	e4.67	4.73	6.15	6.43	6.80
5	6.78	6.88	6.76	6.28	5.71	5.00	e4.70	e4.67	4.69	6.21	6.42	6.84
6	6.75	6.87	6.74	6.27	5.68	4.96	e4.70	4.66	4.67	6.19	6.42	6.87
7	6.74	6.86	6.71	6.25	5.66	4.96	e4.71	4.66	4.67	6.18	6.46	6.86
8	6.73	6.85	6.68	6.24	5.64	4.96	e4.72	4.66	4.67	6.16	6.47	6.87
9	6.72	6.85	6.66	6.22	5.61	4.96	e4.73	4.66	4.66	6.14	6.47	6.91
10	6.69	6.84	6.63	6.21	5.58	4.95	e4.74	4.66	4.66	6.13	6.49	6.91
11	6.67	6.84	6.61	6.19	5.56	4.92	e4.75	4.66	4.66	6.11	6.56	6.89
12	6.65	6.83	6.60	6.18	5.55	4.89	e4.76	4.69	4.74	6.10	6.60	6.89
13	6.63	6.82	6.58	6.17	5.52	4.86	e4.78	4.68	4.75	6.10	6.59	6.91
14	6.62	6.82	6.56	6.15	5.48	e4.82	e4.76	4.70	4.70	6.14	6.58	6.93
15	6.60	6.81	6.55	6.14	5.46	e4.80	e4.78	4.87	4.68	6.14	6.59	6.93
16	6.58	6.81	6.53	6.13	5.44	e4.75	e4.80	4.79	4.67	6.14	6.58	6.96
17	6.57	6.81	6.52	6.12	5.41	e4.70	e4.77	4.73	4.66	6.17	6.57	7.07
18	6.57	6.80	6.51	6.11	5.39	e4.68	e4.75	4.68	4.66	6.16	6.58	7.12
19	6.59	6.80	6.49	6.11	5.38	e4.70	e4.73	4.67	4.66	6.18	6.59	7.09
20	6.61	6.80	6.47	6.09	5.36	e4.65	e4.72	4.67	4.65	6.26	6.62	7.08
21	6.63	6.80	6.46	6.07	5.33	e4.63	e4.72	4.67	4.65	6.29	6.64	7.05
22	6.65	6.81	6.45	6.05	5.30	e4.80	e4.71	4.66	4.72	6.28	6.66	7.02
23	6.67	6.84	6.44	6.03	5.27	e4.79	e4.71	4.73	5.19	6.37	6.66	6.97
24	6.70	6.85	6.42	6.01	5.25	e4.78	e4.71	5.03	5.54	6.49	6.68	6.93
25	6.71	6.84	6.41	5.99	5.22	e4.77	e4.70	5.32	5.66	6.48	6.68	6.89
26	6.72	6.83	6.41	5.96	5.20	e4.76	e4.70	5.53	5.67	6.47	6.68	6.85
27	6.73	6.82	6.40	5.94	5.17	e4.75	e4.70	5.55	5.69	6.45	6.71	6.82
28	6.74	6.82	6.38	5.92	5.14	e4.74	e4.69	5.49	5.77	6.43	6.73	6.78
29	6.74	6.81	6.37	5.89	---	e4.74	e4.69	5.37	5.73	6.41	6.83	6.76
30	6.74	6.83	6.35	5.86	---	e4.73	e4.69	5.26	5.74	6.39	6.86	6.76
31	6.74	---	6.34	5.83	---	e4.73	---	5.15	---	6.41	6.85	---
MEAN	6.70	6.82	6.56	6.12	5.48	4.84	4.73	4.86	4.96	6.23	6.59	6.91
MAX	6.84	6.88	6.86	6.32	5.81	5.11	4.80	5.55	5.77	6.49	6.86	7.12
MIN	6.57	6.75	6.34	5.83	5.14	4.63	4.69	4.66	4.65	5.89	6.42	6.76

CAL YR 1984 MEAN 6.54 MAX 7.06 MIN 5.52
WTR YR 1985 MEAN 5.90 MAX 7.12 MIN 4.63

e Estimated

254130080380500 NORTHEAST SHARK RIVER SLOUGH NO. 1 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°41'30", long 80°38'05" in NW¼ sec.4, T.54 S., R.31 E., Dade County, Hydrologic Unit 03090202, 0.7 mi west of southeast corner of Blue Shanty Canal, 0.8 mi south of east-west section of Shanty Canal, and 4.7 mi southwest of Coopertown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1976 to September 1980, July 1982 to present year (gage heights). Prior to October 1977, published as "Northeast Shark Valley Slough No. 1 near Coopertown."

REVISED RECORD.--WDR FL-79-2A: 1977.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.42 ft Oct. 6, 1982; minimum, 4.54 ft estimated Apr. 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.19 ft Sept. 18, 19; minimum, 4.57 ft May 7-11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.05	6.85	6.96	6.56	6.27	5.94	5.27	4.60	5.45	6.34	6.52	6.80
2	7.05	6.88	6.97	6.55	6.26	5.92	5.27	4.59	5.40	6.33	6.52	6.80
3	7.03	6.93	6.96	6.54	6.25	5.90	5.28	4.59	5.34	6.41	6.54	6.80
4	7.01	7.03	6.94	6.54	6.24	5.88	5.23	4.59	5.29	6.51	6.53	6.80
5	7.00	7.02	6.93	6.53	6.23	5.86	5.19	4.58	5.24	6.53	6.51	6.80
6	6.97	7.02	6.91	6.51	6.22	5.83	5.15	4.58	5.18	6.48	6.49	6.81
7	6.95	7.01	6.88	6.50	6.22	5.82	5.12	4.57	5.13	6.44	6.50	6.81
8	6.94	7.00	6.86	6.49	6.21	5.80	5.09	4.57	5.08	6.40	6.55	6.84
9	6.93	6.99	6.84	6.48	6.20	5.78	5.06	4.57	5.03	6.37	6.55	6.91
10	6.91	6.98	6.82	6.47	6.19	5.75	5.02	4.57	4.97	6.36	6.55	6.91
11	6.89	6.97	6.81	6.45	6.18	5.72	4.98	4.65	4.92	6.33	6.56	6.91
12	6.88	6.96	6.79	6.45	6.17	5.69	4.96	5.22	5.04	6.33	6.59	6.92
13	6.87	6.95	6.78	6.44	6.15	5.66	5.08	5.10	5.29	6.33	6.60	6.94
14	6.85	6.94	6.76	6.43	6.13	5.62	5.05	5.02	5.30	6.34	6.60	6.96
15	6.84	6.94	6.75	6.42	6.12	5.59	5.03	4.97	5.24	6.38	6.60	6.96
16	6.82	6.93	6.73	6.41	6.11	5.55	5.12	4.93	5.17	6.44	6.60	6.98
17	6.80	6.93	6.73	6.40	6.10	5.53	5.05	4.89	5.10	6.45	6.59	7.07
18	6.79	6.93	6.72	6.39	6.08	5.55	4.99	4.84	5.03	6.43	6.59	7.18
19	6.78	6.93	6.71	6.40	6.07	5.48	4.94	4.79	4.95	6.41	6.59	7.17
20	6.77	6.93	6.69	6.39	6.07	5.43	4.90	4.76	4.89	6.42	6.61	7.17
21	6.77	6.93	6.68	6.38	6.06	5.42	4.90	4.92	4.83	6.45	6.63	7.16
22	6.78	6.93	6.67	6.36	6.04	5.69	4.86	5.37	5.05	6.46	6.65	7.11
23	6.79	6.96	6.66	6.35	6.03	5.68	4.82	5.37	5.72	6.58	6.70	7.07
24	6.79	6.97	6.65	6.34	6.02	5.63	4.77	5.61	6.05	6.69	6.73	7.03
25	6.81	6.97	6.64	6.33	6.00	5.57	4.73	5.68	6.07	6.67	6.72	6.99
26	6.81	6.96	6.64	6.33	5.99	5.51	4.69	5.78	6.13	6.64	6.71	6.96
27	6.82	6.95	6.62	6.31	5.97	5.46	4.65	5.73	6.18	6.62	6.72	6.94
28	6.83	6.95	6.61	6.30	5.95	5.42	4.62	5.68	6.22	6.59	6.74	6.91
29	6.84	6.94	6.60	6.30	---	5.38	4.61	5.62	6.17	6.56	6.78	6.88
30	6.84	6.94	6.59	6.29	---	5.35	4.60	5.56	6.20	6.54	6.79	6.88
31	6.84	---	6.57	6.28	---	5.31	---	5.50	---	6.53	6.80	---
MEAN	6.87	6.95	6.76	6.42	6.13	5.64	4.97	5.03	5.39	6.46	6.62	6.95
MAX	7.05	7.03	6.97	6.56	6.27	5.94	5.28	5.78	6.22	6.69	6.80	7.18
MIN	6.77	6.85	6.57	6.28	5.95	5.31	4.60	4.57	4.83	6.33	6.49	6.80

CAL YR 1984 MEAN 6.64 MAX 7.15 MIN 5.96
WTR YR 1985 MEAN 6.18 MAX 7.18 MIN 4.57

02290700 SNAPPER CREEK CANAL AT S-22, NEAR SOUTH MIAMI, FL

LOCATION.--Lat 25°40'11", long 80°17'03", in NW¼ sec.7, T.55 S., R.41 E., Dade County, Hydrologic Unit 03090202, 15 ft from right bank, 300 ft upstream from salinity-control structure 22, 1.4 mi upstream from mouth, and 2.5 mi south of South Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1959 to September 1985 (discontinued).

GAGE.--Digital water-stage and electromagnetic velocity meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Flow is affected by tide and operation of salinity-control structure 22, flow is occasionally reversed. Some seepage losses above station into City of Miami southwest well field. Discharge computed from continuous velocity record obtained from recording electromagnetic velocity meter.

COOPERATION.--Gate-opening record provided by South Florida Water Management District.

AVERAGE DISCHARGE.--26 years, 199 ft^3/s, 144,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,080 ft^3/s Sept. 11, 1960; maximum gage height, 6.02 ft Sept. 8, 1965; no flow for many days each year; maximum reverse flow, 1,220 ft^3/s Sept. 10, 1960, from hurricane storm tide; minimum gage height, -0.59 ft Mar. 26, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 714 ft^3/s Oct. 1; maximum gage height, 3.53 ft July 18; no flow for many days during the year; minimum gage height, 0.80 ft July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	714	.00	1.0	.00	1.3	.00	.00	.00	.00	296	e200	179
2	569	.00	.00	1.0	.00	.00	.00	.00	.00	317	e200	91
3	312	.00	5.1	.00	.00	.00	.00	.00	.00	343	e100	.00
4	73	.00	.00	.00	.00	.00	.00	.00	.00	229	e.00	.00
5	58	.00	.00	.00	.00	.00	.00	.00	.00	48	e200	.00
6	119	.00	.00	.00	.00	.00	.00	.00	1.0	.00	e200	.00
7	93	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	23	e.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e200	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	24	e.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	45	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	24	2.3	102
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	e50	.00	143
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	e100	.00	148
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	58	.00	120
18	.00	.00	.00	.00	.00	.00	1.0	.00	.00	69	.00	470
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	255	.00	408
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	236	.00	581
21	.00	.00	.00	.00	.00	.00	.00	.00	1.0	235	.00	393
22	.00	.00	1.0	.00	.00	.00	.00	.00	.00	215	.00	127
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	e450	.00	166
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	e700	.00	143
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	e650	.00	207
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	200	.00	85
27	.00	.00	4.8	.00	.00	.00	.00	.00	.00	300	.00	167
28	1.8	.00	.00	.00	.00	.00	.00	.00	.00	206	.00	359
29	.00	.00	.00	.00	---	.00	.00	.00	.00	166	232	309
30	.00	.00	.00	1.0	---	.00	.00	.00	43	112	e230	259
31	.00	---	.00	.00	---	.00	---	.00	---	61	201	---
TOTAL	1939.80	.00	11.90	2.00	1.30	.00	1.00	.00	45.00	5412.00	1765.30	4457.00
MEAN	62.6	.000	.38	.065	.046	.000	.033	.000	1.50	175	56.9	149
MAX	714	.00	5.1	1.0	1.3	.00	1.0	.00	43	700	232	581
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	3850	.00	24	4.0	2.6	.00	2.0	.00	89	10730	3500	8840

CAL YR 1984 TOTAL 18920.00 MEAN 51.7 MAX 714 MIN .00 AC-FT 37530
WTR YR 1985 TOTAL 13635.30 MEAN 37.4 MAX 714 MIN .00 AC-FT 27050

e Estimated

02290700 SNAPPER CREEK CANAL AT S-22, NEAR SOUTH MIAMI, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	2.89	3.04	2.80	2.59	2.51	2.59	2.24	2.46	2.82	e3.05	2.87
2	2.95	2.91	3.22	2.80	2.60	2.50	2.58	2.22	2.44	3.02	e3.05	3.08
3	2.79	2.96	3.28	2.79	2.61	2.49	2.56	2.21	2.42	3.03	e3.10	3.29
4	3.01	2.97	3.27	2.81	2.61	2.47	2.53	2.20	2.39	3.01	e3.32	3.32
5	3.00	2.97	3.23	2.81	2.60	2.47	2.50	2.17	2.35	3.26	e3.05	3.31
6	2.76	2.96	3.21	2.80	2.61	2.47	2.48	2.15	2.31	3.22	e3.05	3.29
7	2.83	2.93	3.16	2.79	2.61	2.46	2.45	2.15	2.28	3.27	e3.37	3.27
8	3.33	2.91	3.12	2.78	2.64	2.46	2.43	2.14	2.25	3.13	e3.37	3.25
9	3.38	2.88	3.09	2.77	2.64	2.49	2.43	2.12	2.23	3.32	e3.37	3.25
10	3.37	2.86	3.06	2.76	2.63	2.50	2.42	2.12	2.29	3.33	e3.05	3.23
11	3.34	2.85	3.03	2.74	2.63	2.49	2.40	2.15	2.32	3.33	e3.35	3.22
12	3.31	2.85	3.02	2.74	2.66	2.49	2.40	2.18	2.36	3.16	e3.34	3.23
13	3.28	2.83	2.99	2.72	2.66	2.47	2.42	2.18	2.44	3.15	3.30	3.25
14	3.24	2.80	2.96	2.71	2.66	2.47	2.44	2.16	2.45	3.15	3.27	3.33
15	3.21	2.77	2.93	2.70	2.65	2.46	2.45	2.15	2.42	3.29	3.25	3.33
16	3.17	2.76	2.91	2.68	2.63	2.45	2.53	2.14	2.39	3.21	3.21	3.33
17	3.14	2.75	2.90	2.67	2.62	2.46	2.54	2.14	2.36	3.25	3.18	3.35
18	3.10	2.73	2.88	2.67	2.62	2.49	2.52	2.12	2.32	3.34	3.18	2.99
19	3.07	2.73	2.86	2.69	2.63	2.48	2.50	2.10	2.27	2.96	3.19	3.17
20	3.05	2.75	2.85	2.70	2.63	2.47	2.48	2.08	2.22	2.88	3.24	3.10
21	3.03	2.85	2.85	2.71	2.62	2.47	2.45	2.07	2.17	2.81	3.25	2.93
22	3.01	2.98	2.85	2.68	2.60	2.61	2.43	2.05	2.20	2.78	3.24	2.83
23	2.98	3.09	2.85	2.66	2.58	2.70	2.41	2.04	2.31	2.53	3.22	2.75
24	2.98	3.18	2.84	2.65	2.56	2.72	2.39	2.03	2.36	1.65	3.24	2.96
25	2.99	3.16	2.84	2.65	2.55	2.72	2.37	2.07	2.76	1.79	3.22	3.14
26	2.97	3.11	2.85	2.65	2.55	2.69	2.35	2.23	3.00	2.96	3.17	3.19
27	2.95	3.08	2.85	2.63	2.54	2.67	2.32	2.45	3.01	2.81	3.18	3.16
28	2.93	3.06	2.85	2.61	2.53	2.67	2.30	2.50	3.01	2.99	3.18	2.98
29	2.91	3.04	2.84	2.60	---	2.65	2.29	2.51	2.98	3.02	2.91	2.93
30	2.90	3.00	2.84	2.58	---	2.63	2.26	2.50	3.02	3.07	2.71	2.94
31	2.88	---	2.82	2.58	---	2.60	---	2.48	---	3.21	2.80	---
MEAN	3.05	2.92	2.98	2.71	2.61	2.54	2.44	2.20	2.46	2.99	3.17	3.14
MAX	3.38	3.18	3.28	2.81	2.66	2.72	2.59	2.51	3.02	3.34	3.37	3.35
MIN	2.76	2.73	2.82	2.58	2.53	2.45	2.26	2.03	2.17	1.65	2.71	2.75

CAL YR 1984 MEAN 2.90 MAX 3.38 MIN 1.78
WTR YR 1985 MEAN 2.77 MAX 3.38 MIN 1.65

e Estimated

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

LOCATION.--Lat 25°32'34", long 80°19'52", in NE¼ sec.21, T.56 S., R.40 E., Dade County, Hydrologic Unit 03090202, in control house of salinity-control structure S-21, 0.5 mi upstream from mouth, and 3.5 mi east of Goulds.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to October 1969 (gage heights), November 1969 to September 1977, October 1978 to current year. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Digital upstream, downstream recorders and gate-opening recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to Apr. 9, 1960, water-stage recorder at site 270 ft upstream in north lateral borrow canal, and Apr. 9, 1960, to July 8, 1968, at site 810 ft upstream in north lateral borrow canal all at same datum.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure S-21 and by some upstream pumpage for irrigation. Discharge computed from relation between head, discharges and gate-openings at Structure S-21.

COOPERATION.--Supplementary gate-opening and gage-height records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--14 years (water years 1971-77, 1979-85), 155 ft^3/s, 112,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,340 ft^3/s Aug. 18, 1981; maximum gage height, 6.41 ft Sept. 10, 1960; no flow for many days each year; maximum daily reverse flow, 384 ft^3/s Jan. 23, 1983; minimum gage height, -0.57 ft Apr. 8, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,220 ft^3/s July 24; maximum gage height, 2.81 ft Aug. 28; no flow for many days; minimum gage height, 1.07 ft July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1160	469	.00	.00	1.7	.00	.00	.00	.00	96	55	121
2	e1150	262	.00	.00	.00	.00	.00	.00	.00	140	161	142
3	957	.00	.00	.00	.00	.00	.00	.00	.00	64	130	132
4	859	.00	.00	.00	e6.8	.00	.00	.00	.00	149	127	70
5	787	.00	.00	.00	.00	.00	.00	.00	.00	96	127	74
6	683	.00	.00	.00	.00	.00	.00	.00	.00	102	125	53
7	711	.00	.00	.00	.00	.00	.00	.00	.00	100	126	87
8	704	.00	.00	.00	.00	.10	.00	.00	.00	102	125	78
9	640	.00	.00	.00	.00	.00	.00	.00	.00	102	200	55
10	638	.00	.00	.00	.00	.00	.00	.00	.00	150	185	61
11	648	.00	.00	.00	.00	.00	.00	.00	.00	140	119	95
12	649	.00	.00	.00	.00	.00	.00	.00	.00	228	112	93
13	619	.00	.00	.00	.00	.00	.00	.00	.00	282	56	121
14	561	.00	.00	.00	.00	.00	.00	.00	.00	276	132	115
15	552	.00	.00	.00	.00	.00	.00	.00	.00	270	59	63
16	516	.00	.00	.00	.00	.00	.00	.00	.00	249	75	155
17	490	.00	.00	.00	.00	.00	.00	.00	.00	239	126	168
18	504	.00	.00	.00	.00	.00	.00	.00	.00	226	109	247
19	481	.00	.00	.00	.00	.00	.00	.00	.00	91	2.1	323
20	449	.00	.00	.00	.00	.00	.00	.00	.00	150	82	789
21	436	.00	.00	.00	.00	.00	.00	.00	.00	147	82	711
22	423	.00	.00	.00	.00	.00	.00	.00	.00	148	.00	642
23	366	51	.00	.00	.00	.00	.00	.00	.00	943	58	505
24	403	.00	.00	.00	.00	.00	.00	.00	.00	1220	91	171
25	425	.00	.00	.00	.00	.00	.00	.00	107	925	85	119
26	451	.00	.00	.00	.00	.00	.00	.00	29	221	72	141
27	413	.00	.00	.00	.00	.00	.00	.00	83	174	47	134
28	495	.00	.00	.00	.00	.00	.00	.00	53	160	272	131
29	453	.00	.00	.00	---	.00	.00	.00	5.4	147	699	95
30	406	.00	.00	.00	---	.00	.00	.00	72	199	416	186
31	437	---	.00	.00	---	.00	---	.00	---	89	134	---
TOTAL	18466	782.00	.00	.00	8.50	.10	.00	.00	349.40	7625	4189.10	5877
MEAN	596	26.1	.000	.000	.30	.003	.000	.000	11.6	246	135	196
MAX	1160	469	.00	.00	6.8	.10	.00	.00	107	1220	699	789
MIN	366	.00	.00	.00	.00	.00	.00	.00	.00	64	.00	53
AC-FT	36630	1550	.00	.00	17	.2	.00	.00	693	15120	8310	11660

CAL YR 1984 TOTAL 88572.30 MEAN 242 MAX 1220 MIN -21 AC-FT 175700
WTR YR 1985 TOTAL 37297.10 MEAN 102 MAX 1220 MIN .00 AC-FT 73980

e Estimated

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	2.19	2.38	2.04	2.04	2.01	2.17	1.85	2.30	2.35	2.30	2.28
2	2.02	2.18	2.41	2.04	2.04	2.00	2.17	1.85	2.28	2.24	2.16	2.13
3	2.22	2.26	2.41	2.04	2.04	1.99	2.15	1.90	2.25	2.29	2.22	2.07
4	2.14	2.30	2.40	2.06	2.04	1.97	2.15	1.85	2.22	2.22	2.26	2.14
5	2.07	2.31	2.39	2.05	2.03	1.96	2.13	1.80	2.19	2.32	2.25	2.26
6	2.19	2.30	2.38	2.04	2.04	1.95	2.11	1.77	2.16	2.35	2.26	2.29
7	2.13	2.27	2.36	2.03	2.04	1.95	2.09	1.74	2.13	2.36	2.30	2.24
8	2.08	2.25	2.34	2.02	2.08	1.95	2.07	1.72	2.09	2.34	2.33	2.19
9	2.13	2.23	2.32	2.02	2.10	1.96	2.09	1.70	2.07	2.34	2.22	2.23
10	2.18	2.22	2.31	2.01	2.10	1.95	2.07	1.68	2.08	2.23	2.14	2.36
11	2.11	2.21	2.29	2.01	2.10	1.94	2.05	1.70	2.08	2.25	2.23	2.23
12	2.11	2.21	2.28	2.00	2.12	1.93	2.02	1.78	2.06	2.18	2.23	2.27
13	2.08	2.19	2.26	1.99	2.10	1.91	2.08	1.79	2.05	2.19	2.28	2.17
14	2.16	2.17	2.24	1.99	2.09	1.90	2.10	1.79	2.06	2.16	2.19	2.28
15	2.18	2.15	2.22	2.01	2.08	1.89	2.11	1.78	2.04	2.01	2.28	2.33
16	2.18	2.14	2.20	2.01	2.08	1.88	2.24	1.78	2.02	1.87	2.21	2.17
17	2.16	2.13	2.19	2.01	2.07	1.89	2.21	1.85	1.98	1.79	2.19	2.25
18	2.15	2.11	2.18	2.02	2.08	1.99	2.19	1.87	1.94	1.78	2.17	2.20
19	2.18	2.10	2.17	2.05	2.08	1.96	2.16	1.85	1.91	2.15	2.36	2.22
20	2.22	2.11	2.17	2.07	2.10	1.94	2.13	1.84	1.88	2.22	2.20	2.18
21	2.19	2.15	2.16	2.08	2.11	1.95	2.10	1.83	1.87	2.27	2.27	2.17
22	2.20	2.31	2.15	2.04	2.10	2.27	2.08	1.82	1.93	2.34	2.35	2.17
23	2.26	2.27	2.14	2.02	2.09	2.36	2.05	1.81	2.04	2.14	2.27	2.11
24	2.23	2.37	2.14	2.02	2.07	2.34	2.03	1.79	2.13	1.97	2.24	2.20
25	2.22	2.41	2.13	2.03	2.06	2.31	2.01	1.90	2.20	2.01	2.17	2.17
26	2.22	2.42	2.12	2.04	2.05	2.29	1.98	2.21	2.37	2.00	2.16	2.19
27	2.22	2.42	2.11	2.02	2.04	2.26	1.95	2.33	2.24	2.02	2.38	2.18
28	2.12	2.41	2.09	2.04	2.02	2.25	1.92	2.33	2.32	2.14	2.17	2.24
29	2.10	2.41	2.08	2.05	---	2.23	1.89	2.32	2.40	2.05	2.15	2.27
30	2.13	2.39	2.07	2.04	---	2.20	1.87	2.31	2.37	1.94	2.15	2.14
31	2.11	---	2.05	2.05	---	2.18	---	2.30	---	1.87	2.20	---
MEAN	2.15	2.25	2.23	2.03	2.07	2.05	2.08	1.90	2.12	2.14	2.24	2.21
MAX	2.26	2.42	2.41	2.08	2.12	2.36	2.24	2.33	2.40	2.36	2.38	2.36
MIN	2.01	2.10	2.05	1.99	2.02	1.88	1.87	1.68	1.87	1.78	2.14	2.07

CAL YR 1984 MEAN 2.04 MAX 2.42 MIN 1.48
WTR YR 1985 MEAN 2.12 MAX 2.42 MIN 1.68

02290725 MOWRY CANAL NEAR HOMESTEAD, FL

LOCATION.--Lat 25°28'13", long 80°20'47", in NE¼ sec.17, T.57 S., R.40 E., Dade County, Hydrologic Unit 03090202, in control house of salinity-control structure S-20F, 0.5 mi upstream from mouth, and 8 mi east of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1954 to March 1970 (gage heights), April 1970 to current year. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

GAGE.--Digital upstream and downstream water-stage recorders, digital gate-opening recorders. Datum of gage heights prior to October 1962 are available in files of the Geological Survey.

REMARKS.--Records poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by operation of salinity-control structure S-20F and by some upstream pumpage for irrigation. Discharge computed from relation between head, discharges, and gate openings at structure S-20F.

COOPERATION.--Supplementary gage-height and gate-opening records provided by South Florida Water Management District.

AVERAGE DISCHARGE.--13 years (1971-82, 85), 206 ft^3/s, 149,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,660 ft^3/s Sept. 27, 1981; maximum gage height, 9.25 ft Sept. 8, 1965; no flow for many days each year; minimum gage height, -1.03 ft May 10, 12, June 26, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,800 ft^3/s July 23; maximum gage height, 2.88 ft Sept. 18; no flow for many days; minimum gage height, 0.46 ft July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	702	137	234	54	70	.00	59	.00	.00	e669	178	240
2	473	201	215	146	33	.00	48	.00	.00	e398	374	81
3	320	227	173	116	39	.00	66	.00	.00	e553	312	195
4	259	223	163	150	35	.00	102	.00	.00	e482	334	174
5	250	223	190	176	23	.00	.20	.00	.00	e330	327	121
6	147	237	176	131	92	.00	.00	.00	.00	e220	441	104
7	145	176	105	112	107	.00	.00	.00	.00	e143	437	88
8	131	197	118	83	249	.00	45	.00	.00	e173	375	164
9	127	170	118	85	166	.00	249	.00	.00	e111	495	189
10	119	159	90	100	148	.00	184	.00	.00	e166	461	193
11	90	194	111	79	129	.00	84	.00	.00	237	358	216
12	63	179	119	121	110	.00	169	.00	.00	421	255	256
13	51	135	137	82	102	.00	258	.00	.00	707	167	136
14	65	109	76	118	40	.00	243	.00	.00	639	218	260
15	327	e96	101	131	59	.00	229	.00	.00	479	101	231
16	302	e115	97	159	155	.00	466	.00	.00	442	80	309
17	255	e86	96	78	.00	.00	279	.00	.00	495	5.5	457
18	232	e72	106	3.0	55	.00	127	.00	.00	452	183	897
19	196	e106	104	115	119	.00	153	.00	.00	563	175	749
20	190	e117	111	141	140	.00	60	.00	.00	465	142	831
21	206	e210	77	.00	117	301	33	.00	.00	435	284	639
22	211	e229	41	89	99	1080	32	.00	.00	953	116	498
23	195	e239	140	.00	40	585	.00	.00	.00	1800	51	375
24	197	e153	73	32	51	461	.00	.00	.00	1010	193	369
25	178	e183	86	71	29	321	.00	.00	.00	618	48	208
26	242	e144	123	31	13	266	.00	.00	e96	100	100	243
27	211	e179	51	71	36	186	.00	.00	e242	239	239	260
28	252	197	104	69	.00	115	.00	.00	e105	167	167	220
29	205	216	76	140	---	114	.00	.00	e55	513	513	239
30	130	186	81	32	---	167	.00	.00	e221	388	388	269
31	124	---	94	60	---	178	---	.00	---	285	285	---
TOTAL	6595	5095	3586	2775.00	2256.00	3774.00	2886.20	.00	719.00	.00	.00	.00
MEAN	213	170	116	89.5	80.6	122	96.2	.000	24.0	.000	.000	.000
MAX	702	239	234	176	249	1080	466	.00	242	.00	.00	.00
MIN	51	72	41	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	13080	10110	7110	5500	4470	7490	5720	.00	1430	.00	.00	.00

WTR YR 1985 TOTAL 59767.70 MEAN 164 MAX 1800 MIN .00 AC-FT 118500

e Estimated

02290725 MOWRY CANAL NEAR HOMESTEAD, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.93	1.69	1.34	1.43	1.58	1.60	1.57	1.31	2.00	2.01	2.14	2.12
2	1.99	1.66	1.31	1.33	1.56	1.59	1.59	1.28	1.96	2.06	2.09	2.21
3	2.08	1.54	1.32	1.35	1.57	1.58	1.57	1.26	1.92	2.03	2.10	2.16
4	2.06	1.55	1.32	1.40	1.58	1.57	1.54	1.23	1.89	2.05	2.10	2.15
5	2.06	1.52	1.28	1.32	1.60	1.55	1.57	1.19	1.86	2.07	2.08	2.18
6	2.11	1.45	1.29	1.36	1.54	1.54	1.57	1.17	1.82	2.15	2.06	2.18
7	2.11	1.48	1.36	1.36	1.54	1.54	1.56	1.14	1.79	2.17	2.10	2.20
8	2.11	1.45	1.33	1.40	1.51	1.56	1.54	1.12	1.75	2.15	2.09	2.16
9	2.11	1.46	1.35	1.40	1.54	1.55	1.53	1.10	1.74	2.19	2.08	2.15
10	2.11	1.47	1.37	1.39	1.55	1.54	1.54	1.14	1.86	2.14	2.04	2.15
11	2.12	1.45	1.35	1.40	1.56	1.52	1.57	1.45	1.91	2.11	2.10	2.12
12	2.14	1.41	1.35	1.38	1.55	1.50	1.56	1.66	1.90	2.06	2.12	2.14
13	2.15	1.42	1.36	1.38	1.56	1.48	1.57	1.74	1.90	2.00	2.17	2.16
14	2.14	1.47	1.36	1.42	1.57	1.46	1.54	1.81	1.88	2.02	2.12	2.16
15	1.81	1.49	1.36	1.35	1.56	1.45	1.54	1.86	1.85	2.04	2.17	2.21
16	1.74	1.49	1.39	1.37	1.48	1.43	1.52	1.91	1.81	2.06	2.19	2.24
17	1.72	1.49	1.35	1.39	1.60	1.43	1.57	2.16	1.77	2.02	2.25	2.23
18	1.68	1.49	1.35	1.56	1.58	1.48	1.63	2.12	1.71	2.05	2.15	2.23
19	1.66	1.44	1.36	1.52	1.55	1.45	1.58	2.08	1.68	2.01	2.18	2.30
20	1.61	1.45	1.35	1.49	1.55	1.42	1.57	2.06	1.67	2.02	2.17	2.19
21	1.55	1.37	1.39	1.58	1.55	1.49	1.60	2.03	1.67	2.04	2.11	2.14
22	1.53	1.40	1.43	1.53	1.56	1.22	1.57	2.00	1.72	1.85	2.16	2.12
23	1.51	1.47	1.34	1.57	1.57	1.38	1.58	1.97	1.83	1.28	2.20	2.17
24	1.50	1.58	1.39	1.58	1.55	1.39	1.55	1.95	1.82	1.79	2.16	2.16
25	1.50	1.55	1.40	1.56	1.57	1.47	1.52	1.96	2.07	2.04	2.21	2.20
26	1.44	1.54	1.37	1.57	1.60	1.53	1.48	2.09	2.14	2.04	2.17	2.20
27	1.46	1.48	1.41	1.58	1.57	1.53	1.44	2.14	2.10	2.05	2.15	2.17
28	1.47	1.42	1.40	1.55	1.60	1.55	1.40	2.11	2.16	2.07	2.18	2.16
29	1.45	1.40	1.37	1.48	---	1.57	1.36	2.07	2.18	2.11	2.12	2.18
30	1.50	1.39	1.40	1.57	---	1.53	1.32	2.04	2.17	2.09	2.15	2.17
31	1.55	---	1.38	1.57	---	1.54	---	2.02	---	2.02	2.17	---
MEAN	1.80	1.48	1.36	1.46	1.56	1.50	1.54	1.72	1.88	2.03	2.14	2.18
MAX	2.15	1.69	1.43	1.58	1.60	1.60	1.63	2.16	2.18	2.19	2.25	2.30
MIN	1.44	1.37	1.28	1.32	1.48	1.22	1.32	1.10	1.67	1.28	2.04	2.12

WTR YR 1985 MEAN 1.72 MAX 2.30 MIN 1.10

02290769 CANAL 111 ABOVE S-18-C, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°19'49", long 80°31'31", in NW¼ sec.3, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, at control structure 18-C, and 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1968 to current year.

REVISED RECORD.--WDR FL-78-2A: 1974-77.

GAGE.--Digital water-stage recorders and dual graphic water-stage and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by S-18-C. Discharge computed from relation between head, and gate openings at S-18-C or between downstream stage and gate opening of S-197 when gates at S-18-C are clear of the water.

COOPERATION.--Gate-opening recorder record and record of slot operations provided by South Florida Water Management District.

AVERAGE DISCHARGE.--17 years, 203 ft^3/s, 86,876 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,270 ft^3/s Aug. 21, 1981; maximum gage height, 3.62 ft July 24, 1985; no flow for many days each year; minimum gage height, -1.53 ft May 14, 1971 (estimated).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,380 ft^3/s July 3; maximum gage height, 3.62 ft July 24; maximum daily reverse flow, 139 ft^3/s Aug. 25; minimum gage height, 1.02 ft May 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	.00	41	37	26	.00	.00	.00	.00	859	556	382
2	1010	32	39	37	26	.00	.00	.00	.00	1310	601	435
3	1010	86	34	38	27	.00	.00	.00	.00	1380	549	425
4	943	86	26	40	27	.00	.00	.00	.00	1130	626	392
5	856	86	27	41	26	.00	.00	.00	.00	695	728	486
6	883	84	27	41	27	.00	.00	.00	.00	.00	744	489
7	737	80	27	41	27	.00	.00	.00	.00	.00	743	463
8	775	80	27	40	29	42	.00	.00	.00	.00	628	361
9	762	81	27	39	28	64	.00	.00	.00	.00	591	509
10	631	80	27	44	28	64	.00	.00	.00	.00	588	515
11	489	80	26	45	28	57	.00	.00	.00	.00	668	636
12	417	80	26	44	29	59	.00	.00	.00	293	600	686
13	369	80	26	43	28	18	.00	.00	11	844	586	661
14	346	81	26	51	28	.00	.00	6.2	.00	789	431	695
15	359	81	26	60	28	.00	.00	14	.00	756	246	772
16	301	66	26	60	44	.00	.00	12	.00	595	160	826
17	260	58	26	67	54	.00	.00	.00	.00	597	78	1080
18	231	57	26	71	54	6.3	.00	.00	.00	667	20	1250
19	196	57	26	74	54	.00	.00	.00	.00	721	149	1370
20	163	59	34	74	.00	.00	.00	17	.00	728	230	1330
21	140	59	38	53	.00	.00	.00	26	11	745	141	1210
22	52	63	38	39	.00	201	.00	26	7.7	824	118	1130
23	.00	65	38	39	.00	.00	.00	12	21	1350	63	1090
24	.00	65	38	39	.00	.00	.00	.00	88	696	-63	941
25	.00	64	38	40	.00	.00	25	.00	93	1120	-139	872
26	.00	63	38	41	.00	.00	34	.00	95	1060	-97	888
27	.00	62	38	40	.00	.00	33	.00	90	1050	.00	912
28	.00	62	37	40	.00	.00	32	.00	42	1020	.00	833
29	.00	63	37	40	---	.00	142	.00	.00	893	227	899
30	.00	62	37	40	---	.00	24	.00	.00	746	410	1010
31	.00	---	37	39	---	.00	---	.00	---	778	346	---
TOTAL	11940.00	2022.00	984	1437	618.00	511.30	290.00	113.20	458.70	21646.00	10528.00	23548
MEAN	385	67.4	31.7	46.4	22.1	16.5	9.67	3.65	15.3	698	340	785
MAX	1010	86	41	74	54	201	142	26	95	1380	744	1370
MIN	.00	.00	26	37	.00	.00	.00	.00	.00	.00	-139	361
AC-FT	23680	4010	1950	2850	1230	1010	575	225	910	42930	20880	46710

CAL YR 1984 TOTAL 70407.00 MEAN 192 MAX 1470 MIN .00 AC-FT 139700
WTR YR 1985 TOTAL 74096.20 MEAN 203 MAX 1380 MIN -139 AC-FT 147000

02290769 CANAL 111 ABOVE S-18-C, NEAR FLORIDA CITY, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	2.28	2.25	2.05	1.95	1.88	1.92	1.27	1.97	2.22	2.43	2.26
2	2.49	2.31	2.25	2.05	1.95	1.85	1.91	1.24	1.94	2.05	2.46	2.31
3	2.49	2.33	2.26	2.04	1.95	1.84	1.88	1.20	1.91	2.08	2.43	2.36
4	2.45	2.33	2.23	2.08	1.95	1.81	1.83	1.18	1.87	2.11	2.47	2.34
5	2.38	2.32	2.27	2.09	1.94	1.83	1.77	1.15	1.84	2.09	2.54	2.35
6	2.35	2.27	2.25	2.08	1.94	1.81	1.73	1.12	1.80	2.24	2.54	2.35
7	2.23	2.22	2.25	2.07	1.96	1.79	1.69	1.07	1.75	2.30	2.54	2.33
8	2.27	2.21	2.23	2.05	2.08	1.76	1.66	1.04	1.70	2.30	2.47	2.26
9	2.33	2.22	2.22	2.02	2.08	1.72	1.73	1.05	1.70	2.31	2.44	2.37
10	2.25	2.21	2.21	1.93	2.07	1.70	1.74	1.29	1.76	2.35	2.43	2.38
11	2.17	2.20	2.19	1.87	2.04	1.67	1.73	1.63	1.77	2.40	2.47	2.42
12	2.14	2.19	2.19	1.85	2.06	1.64	1.73	1.85	1.75	2.38	2.43	2.40
13	2.11	2.18	2.18	1.82	2.03	1.56	1.87	2.12	1.85	2.29	2.42	2.49
14	2.11	2.19	2.17	1.79	2.01	1.44	1.88	2.09	1.84	2.30	2.32	2.53
15	2.11	2.18	2.17	1.79	2.00	1.37	1.90	2.06	1.79	2.29	2.22	2.60
16	2.08	2.17	2.16	1.79	1.97	1.31	2.00	2.07	1.73	2.19	2.19	2.62
17	2.06	2.17	2.14	1.88	1.95	1.27	1.96	2.20	1.68	2.18	2.14	2.66
18	2.05	2.16	2.14	1.92	1.94	1.44	1.93	2.17	1.63	2.26	2.11	2.64
19	2.05	2.15	2.13	1.96	1.94	1.51	1.89	2.13	1.57	2.31	2.19	2.61
20	2.05	2.16	2.12	1.96	2.01	1.51	1.84	2.08	1.52	2.33	2.22	2.60
21	2.03	2.17	2.12	1.99	2.05	1.59	1.81	2.04	1.47	2.36	2.17	2.54
22	2.05	2.23	2.12	1.99	2.02	2.34	1.75	2.00	1.53	2.39	2.16	2.49
23	2.14	2.27	2.12	1.99	2.00	2.31	1.69	1.96	1.94	2.58	2.13	2.47
24	2.18	2.30	2.11	2.00	2.00	2.26	1.65	1.93	2.17	2.72	2.07	2.51
25	2.20	2.29	2.10	1.99	1.97	2.22	1.59	1.93	2.30	2.57	2.03	2.57
26	2.21	2.27	2.12	2.01	1.94	2.18	1.52	2.00	2.48	2.61	2.08	2.57
27	2.21	2.27	2.11	1.99	1.92	2.13	1.47	2.06	2.51	2.59	2.31	2.59
28	2.23	2.25	2.09	1.99	1.90	2.08	1.42	2.10	2.46	2.56	2.37	2.54
29	2.23	2.25	2.08	1.99	---	2.04	1.33	2.06	2.41	2.46	2.37	2.58
30	2.22	2.24	2.07	1.98	---	2.00	1.27	2.02	2.38	2.36	2.25	2.64
31	2.20	---	2.06	1.96	---	1.96	---	1.99	---	2.39	2.22	---
MEAN	2.21	2.23	2.16	1.97	1.99	1.80	1.74	1.75	1.90	2.34	2.31	2.48
MAX	2.50	2.33	2.27	2.09	2.08	2.34	2.00	2.20	2.51	2.72	2.54	2.66
MIN	2.03	2.15	2.06	1.79	1.90	1.27	1.27	1.04	1.47	2.05	2.03	2.26

CAL YR 1984 MEAN 2.05 MAX 2.56 MIN .72
WTR YR 1985 MEAN 2.07 MAX 2.72 MIN 1.04

252523080352500 LEVEE 31W CANAL AT S-332, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°25'23", long 80°35'25", in SE¼ sec.35, T.57 S., R.37 E., Dade County, Hydrologic Unit 03090202, at control structure 332.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Digital water-stage recorders. Graphic dual stage recorder (South Florida Water Management). Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by structure 332. Discharge computed from relation between pump RPM and discharge.

COOPERATION.--Graphic upstream and downstream stage record, pump operation logs and culvert operation provided by South Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 166 ft^3/s, Nov. 10, 11, 14, 17, 19, 20, 24, 26, 27, 1984; maximum gage height, 5.09 ft July 22, 1984; no flow for many days; minimum gage height 1.65 ft May 9, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 127 ft^3/s, Oct. 9, 10, 11, 14, 28, 29, 30, 31; maximum gage height, 4.81 ft Sept. 16; no flow for many days during the year; minimum gage height, 2.34 ft May 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	90	14	14	9.1	4.6	4.6	3.6	4.6	105	120	57
2	93	71	14	14	9.1	4.6	4.6	3.8	4.6	54	73	57
3	98	71	14	14	.80	4.6	4.6	4.4	5.0	20	57	57
4	114	71	14	14	.00	4.6	4.6	4.6	71	.00	57	45
5	114	71	14	14	5.7	4.6	4.6	4.6	109	.00	29	68
6	95	71	14	14	9.1	1.9	4.6	4.0	109	.00	34	95
7	4.0	71	14	14	3.4	2.7	4.6	3.6	109	.00	57	95
8	85	71	14	14	5.7	4.6	4.6	3.8	109	70	57	95
9	127	71	14	14	9.1	2.1	4.6	4.6	54	70	36	95
10	127	71	14	14	9.1	.00	4.6	4.6	68	55	.00	95
11	127	71	14	14	9.1	3.1	4.6	4.6	109	60	.00	95
12	53	45	14	14	6.1	4.6	4.0	4.6	109	5.0	41	95
13	74	47	14	14	4.6	4.6	.00	5.0	109	81	57	95
14	127	71	12	14	4.6	1.5	.00	14	109	70	57	75
15	106	71	14	14	4.6	.40	2.5	7.0	109	75	57	.00
16	105	71	14	14	4.6	.00	4.6	4.6	109	120	57	28
17	17	71	14	14	4.6	.00	4.6	2.3	109	120	57	51
18	35	71	14	14	4.6	2.5	4.6	4.6	109	120	57	95
19	56	71	14	14	4.6	2.5	4.6	4.6	109	120	57	83
20	74	65	14	14	4.2	2.5	4.6	4.6	109	120	57	95
21	98	65	14	14	3.8	3.8	4.6	4.6	99	120	57	95
22	121	71	14	9.7	4.6	4.6	4.6	4.0	.00	120	57	95
23	82	71	14	14	4.6	4.6	4.6	4.6	.00	120	57	95
24	101	71	14	14	4.6	4.6	4.6	4.6	59	120	57	59
25	79	71	14	14	2.5	4.6	4.6	4.6	109	120	27	64
26	32	71	13	14	.40	4.6	4.6	4.6	109	120	31	95
27	74	71	14	8.0	2.5	4.6	4.6	4.6	109	120	57	95
28	127	71	14	6.8	4.6	4.6	4.6	4.6	109	120	57	95
29	127	71	9.7	11	---	4.6	3.8	3.6	109	120	57	95
30	127	35	.00	9.1	---	4.6	4.0	2.7	2.7	120	57	57
31	127	---	9.7	9.1	---	9.1	---	4.6	---	120	57	---
TOTAL	2768.0	2051	408.40	403.7	140.30	110.30	124.70	144.6	2438.90	2585.00	1588.00	2316.00
MEAN	89.3	68.4	13.2	13.0	5.01	3.56	4.16	4.66	81.3	83.4	51.2	77.2
MAX	127	90	14	14	9.1	9.1	4.6	14	109	120	120	95
MIN	4.0	35	.00	6.8	.00	.00	.00	2.3	.00	.00	.00	.00
AC-FT	5490	4070	810	801	278	219	247	287	4840	5130	3150	4590

CAL YR 1984 TOTAL 14893.30 MEAN 40.7 MAX 127 MIN .00 AC-FT 29540
WTR YR 1985 TOTAL 15078.90 MEAN 41.3 MAX 127 MIN .00 AC-FT 29910

252523080352500 LEVEE 31W CANAL S-332, NEAR FLORIDA CITY, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	3.41	3.40	3.02	2.99	2.73	2.96	2.51	3.29	4.21	4.51	4.54
2	4.25	3.49	3.38	3.00	2.99	2.70	2.91	2.51	3.22	4.22	4.62	4.60
3	4.25	3.51	3.38	2.98	2.99	2.69	2.88	2.49	3.29	4.34	4.57	4.29
4	4.24	3.50	3.36	3.03	2.99	2.65	2.82	2.48	3.39	4.42	4.48	4.23
5	4.36	3.45	3.35	3.06	2.97	2.65	2.75	2.47	3.41	4.32	4.37	4.08
6	4.24	3.44	3.33	3.05	2.94	2.62	2.70	2.47	3.37	4.20	4.45	3.87
7	4.31	3.39	3.29	3.04	2.98	2.61	2.65	2.44	3.34	4.13	1.85	3.78
8	4.20	3.35	3.26	3.03	3.09	2.64	2.63	2.42	3.28	3.97	1.38	3.99
9	4.14	3.31	3.23	3.03	3.09	2.64	2.82	2.39	3.33	3.88	3.90	4.34
10	4.14	3.32	3.21	3.07	3.06	2.64	2.91	2.38	3.50	4.03	3.86	4.41
11	4.17	3.29	3.18	3.09	3.05	2.59	2.91	2.54	3.56	4.12	3.79	4.54
12	4.22	3.28	3.17	3.11	3.05	2.56	2.89	2.87	3.54	4.25	3.69	4.21
13	4.09	3.26	3.16	3.11	3.02	2.55	3.03	2.98	3.56	4.21	3.64	4.35
14	3.89	3.19	3.15	3.11	2.97	2.56	3.02	2.92	3.50	4.14	3.77	4.45
15	3.57	3.17	3.14	3.13	2.96	2.56	2.98	3.06	3.40	4.05	4.14	4.57
16	3.32	3.16	3.12	3.13	2.93	2.58	3.07	3.08	3.28	3.89	3.95	4.58
17	3.55	3.14	3.12	3.08	2.91	2.59	2.99	3.18	3.18	3.99	3.79	4.48
18	3.54	3.13	3.10	3.06	2.90	2.68	2.92	3.18	3.07	4.15	3.84	4.43
19	3.40	3.12	3.10	3.08	2.89	2.64	2.85	3.15	2.96	4.24	3.92	4.39
20	3.35	3.16	3.08	3.07	2.89	2.62	2.76	3.10	2.89	4.40	3.82	4.45
21	3.26	3.31	3.09	3.20	2.90	2.86	2.69	3.03	2.85	4.54	3.72	4.29
22	3.29	3.52	3.08	3.38	2.89	3.35	2.62	2.91	2.89	4.41	3.64	4.28
23	3.35	3.52	3.09	3.31	2.88	3.27	2.59	2.83	3.28	4.57	3.59	4.32
24	3.31	3.53	3.08	3.17	2.87	3.49	2.62	2.84	3.65	4.58	3.55	4.49
25	3.37	3.47	3.08	3.11	2.86	3.46	2.61	2.93	3.92	4.42	3.49	4.46
26	3.46	3.44	3.11	3.08	2.83	3.38	2.58	3.28	4.13	4.24	3.47	4.44
27	3.38	3.42	3.10	3.06	2.80	3.30	2.54	3.40	4.21	4.09	3.78	4.43
28	3.30	3.40	3.07	3.05	2.77	3.24	2.49	3.44	4.06	3.94	3.94	4.38
29	3.29	3.38	3.05	3.03	---	3.17	2.46	3.41	3.89	3.98	4.05	4.44
30	3.25	3.40	3.05	3.02	---	3.09	2.47	3.37	3.86	4.39	4.07	4.44
31	3.24	---	3.02	3.01	---	3.03	---	3.33	---	4.40	4.30	---
MEAN	3.74	3.35	3.17	3.09	2.95	2.84	2.77	2.88	3.44	4.22	3.80	4.35
MAX	4.36	3.53	3.40	3.38	3.09	3.49	3.07	3.44	4.21	4.58	4.62	4.60
MIN	3.24	3.12	3.02	2.98	2.77	2.55	2.46	2.38	2.85	3.88	1.38	3.78

CAL YR 1984 MEAN 3.49 MAX 4.71 MIN 1.68
WTR YR 1985 MEAN 3.39 MAX 4.62 MIN 1.38

251823080294200 CANAL 111 AT CLV 5 BETWEEN S-18C AND S-197 NR HOMESTEAD, FL

LOCATION.--Lat 25°18'23", long 80°29'42", in NW¼ sec.11, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, 8.5 mi south of Florida City and 2.9 mi west of US 1.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1984 to September 1985 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Backwater conditions occasionally exist causing water to overflow culvert stoplogs adjacent to recorder.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 2.62 ft Sept. 30, 1985; minimum gage height, 0.52 ft May 25, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 2.62 ft Sept. 30; minimum gage height, 0.87 ft May, 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	1.79	1.71	1.52	1.38	1.23	1.46	1.21	1.51	1.74	2.43	2.16
2	2.43	1.81	1.70	1.52	1.37	1.22	1.46	1.17	1.50	1.78	2.42	2.20
3	2.42	1.83	1.69	1.50	1.37	1.19	1.46	1.13	1.49	1.85	2.41	2.28
4	2.40	1.83	1.68	1.51	1.37	1.17	1.44	1.09	1.48	1.91	2.45	2.31
5	2.36	1.83	1.68	1.50	1.35	1.19	1.42	1.04	1.47	1.93	2.48	2.30
6	2.37	1.81	1.68	1.49	1.35	1.17	1.41	1.01	1.45	1.91	2.49	2.31
7	2.32	1.80	1.66	1.48	1.37	1.15	1.39	.97	1.44	1.87	2.50	2.29
8	2.32	1.79	1.65	1.47	1.44	1.14	1.38	.93	1.42	1.82	2.46	2.26
9	2.32	1.78	1.64	1.47	1.42	1.15	1.42	.89	1.40	1.78	2.44	2.30
10	2.27	1.77	1.63	1.46	1.41	1.15	1.41	.88	1.39	1.75	2.44	2.31
11	2.22	1.77	1.63	1.46	1.40	1.14	1.39	1.03	1.40	1.72	2.51	2.31
12	2.19	1.76	1.62	1.45	1.41	1.13	1.39	1.19	1.40	1.73	2.45	2.29
13	2.17	1.75	1.61	1.44	1.40	1.11	1.44	1.38	1.38	1.86	2.42	2.36
14	2.15	1.74	1.61	1.43	1.38	1.07	1.45	1.41	1.34	1.97	2.36	2.39
15	2.14	1.73	1.60	1.45	1.38	1.05	1.45	1.42	1.33	2.03	2.31	2.44
16	2.12	1.72	1.59	1.46	1.36	1.01	1.50	1.47	1.31	2.06	2.28	2.49
17	2.10	1.71	1.59	1.45	1.35	.98	1.49	1.66	1.29	2.10	2.23	2.59
18	2.08	1.70	1.58	1.45	1.35	.97	1.47	1.65	1.27	2.14	2.20	2.58
19	2.07	1.70	1.58	1.46	1.34	.94	1.45	1.62	1.24	2.16	2.20	2.56
20	2.05	1.69	1.57	1.45	1.36	.92	1.43	1.58	1.21	2.18	2.21	2.56
21	2.03	1.69	1.57	1.44	1.36	.98	1.43	1.56	1.18	2.20	2.19	2.51
22	2.00	1.70	1.57	1.43	1.34	1.63	1.43	1.54	1.20	2.21	2.18	2.47
23	1.94	1.71	1.56	1.42	1.33	1.67	1.41	1.52	1.32	2.42	2.16	2.43
24	1.90	1.72	1.56	1.42	1.31	1.65	1.39	1.50	1.43	2.34	2.13	2.47
25	1.87	1.72	1.56	1.41	1.30	1.62	1.37	1.51	1.53	2.41	2.09	2.52
26	1.86	1.72	1.56	1.41	1.28	1.60	1.34	1.56	1.66	2.48	2.05	2.54
27	1.84	1.72	1.55	1.40	1.27	1.56	1.32	1.56	1.76	2.49	2.03	2.54
28	1.83	1.72	1.54	1.40	1.25	1.53	1.29	1.57	1.78	2.48	1.99	2.52
29	1.81	1.71	1.54	1.40	---	1.51	1.27	1.55	1.75	2.43	2.04	2.53
30	1.79	1.71	1.53	1.39	---	1.50	1.26	1.53	1.73	2.41	2.13	2.59
31	1.77	---	1.53	1.38	---	1.48	---	1.52	---	2.41	2.14	---
MEAN	2.11	1.75	1.61	1.45	1.36	1.25	1.41	1.34	1.44	2.08	2.28	2.41
MAX	2.43	1.83	1.71	1.52	1.44	1.67	1.50	1.66	1.78	2.49	2.51	2.59
MIN	1.77	1.69	1.53	1.38	1.25	.92	1.26	.88	1.18	1.72	1.99	2.16

WTR YR 1985 MEAN 1.71 MAX 2.59 MIN .88

02290800 TAYLOR SLOUGH NEAR HOMESTEAD, FL

LOCATION.--Lat 25°24'05", long 80°36'25", in NE¼ sec.10, T.58 S., R.37 E., Dade County, Hydrologic Unit 03090202, at upstream (north) side of bridge on State Highway 27, in Everglades National Park, 1.5 mi north of Royal Palm Ranger Station, and 9 mi southwest of Homestead.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1960 to September 1985 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to Oct. 1, 1965, at datum 1.19 ft lower.

REMARKS.--No estimated daily discharges. Records poor. 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 mi along State Highway 27 in the Everglades National Park. During periods of extreme high water, possibly some flow is diverted from Shark River Slough. Pump station S-332, when pumping at full capacity, tends to elevate stages near the bridge but has little effect further east.

AVERAGE DISCHARGE.--25 years, 36.4 ft^3/s, 26,372 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 820 ft^3/s Aug. 20, 21, 1981, gage height, 5.34 ft; no flow for many days in most years; minimum gage height, -1.67 ft estimated, present datum May 14, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 197 ft^3/s July 25, gage height, 4.35 ft; no flow for many days; minimum gage height, 0.96 ft May 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	3.8	.00	.00	.00	.00	.00	.00	.00	123	115	31
2	158	5.0	.00	.00	.00	.00	.00	.00	.00	130	123	34
3	155	4.1	.00	.00	.00	.00	.00	.00	.00	143	132	38
4	148	2.6	.00	.00	.00	.00	.00	.00	.00	138	132	41
5	138	2.0	.00	.00	.00	.00	.00	.00	.00	123	125	41
6	125	.00	.00	.00	.00	.00	.00	.00	.00	104	123	37
7	111	.00	.00	.00	.00	.00	.00	.00	.00	84	115	38
8	94	.00	.00	.00	.00	.00	.00	.00	.00	65	104	38
9	84	.00	.00	.00	.00	.00	.00	.00	.00	54	93	45
10	74	.00	.00	.00	.00	.00	.00	.00	.00	50	84	50
11	65	.00	.00	.00	.00	.00	.00	.00	.00	57	71	57
12	59	.00	.00	.00	.00	.00	.00	.00	.00	61	57	70
13	50	.00	.00	.00	.00	.00	.00	.00	.00	57	50	68
14	42	.00	.00	.00	.00	.00	.00	.00	.00	55	43	71
15	39	.00	.00	.00	.00	.00	.00	.00	.00	51	40	70
16	35	.00	.00	.00	.00	.00	.00	.00	.00	48	38	71
17	29	.00	.00	.00	.00	.00	.00	.00	.00	49	35	104
18	23	.00	.00	.00	.00	.00	.00	.00	.00	51	34	113
19	18	.00	.00	.00	.00	.00	.00	.00	.00	55	35	125
20	15	.00	.00	.00	.00	.00	.00	.00	.00	61	35	136
21	12	.00	.00	.00	.00	.00	.00	.00	.00	68	30	134
22	10	.00	.00	.00	.00	.00	.00	.00	.00	82	28	128
23	8.9	.00	.00	.00	.00	.00	.00	.00	.00	143	25	119
24	8.0	.00	.00	.00	.00	.00	.00	.00	7.7	197	23	111
25	6.8	.00	.00	.00	.00	.00	.00	.00	31	197	21	104
26	6.5	.00	.00	.00	.00	.00	.00	.00	57	190	19	94
27	4.7	.00	.00	.00	.00	.00	.00	.00	76	177	18	94
28	3.2	.00	.00	.00	.00	.00	.00	.00	77	162	19	105
29	2.3	.00	.00	.00	---	.00	.00	.00	73	150	25	109
30	2.3	.00	.00	.00	---	.00	.00	.00	76	132	30	125
31	1.7	---	.00	.00	---	.00	---	.00	---	121	32	---
TOTAL	1678.4	17.50	.00	.00	.00	.00	.00	.00	397.70	3178	1854	2401
MEAN	54.1	.58	.000	.000	.000	.000	.000	.000	13.3	103	59.8	80.0
MAX	158	5.0	.00	.00	.00	.00	.00	.00	77	197	132	136
MIN	1.7	.00	.00	.00	.00	.00	.00	.00	.00	48	18	31
AC-FT	3330	35	.00	.00	.00	.00	.00	.00	789	6300	3680	4760

CAL YR 1984	TOTAL	10659.45	MEAN 29.1	MAX 167	MIN .00	AC-FT	21140
WTR YR 1985	TOTAL	9526.60	MEAN 26.1	MAX 197	MIN .00	AC-FT	18900

02290800 TAYLOR SLOUGH NEAR HOMESTEAD, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	3.10	2.50	1.88	1.62	1.34	1.99	1.34	2.12	3.86	4.01	3.32
2	4.34	3.14	2.46	1.86	1.61	1.32	1.96	1.30	2.09	3.92	4.06	3.34
3	4.34	3.11	2.42	1.85	1.60	1.30	1.93	1.25	2.06	4.00	4.10	3.38
4	4.32	3.06	2.38	1.89	1.59	1.27	1.89	1.20	2.03	4.00	4.10	3.42
5	4.29	3.04	2.35	1.90	1.57	1.27	1.85	1.16	2.05	3.96	4.08	3.43
6	4.25	2.98	2.32	1.87	1.56	1.25	1.80	1.12	2.09	3.88	4.07	3.41
7	4.19	2.92	2.28	1.84	1.55	1.23	1.76	1.08	2.18	3.79	4.03	3.43
8	4.11	2.86	2.26	1.83	1.56	1.22	1.72	1.04	2.24	3.69	3.97	3.44
9	4.06	2.80	2.23	1.82	1.57	1.20	1.69	1.00	2.27	3.63	3.92	3.52
10	4.01	2.75	2.21	1.80	1.57	1.19	1.67	1.04	2.28	3.62	3.87	3.56
11	3.96	2.71	2.19	1.79	1.56	1.16	1.65	1.41	2.21	3.68	3.79	3.61
12	3.92	2.66	2.17	1.77	1.56	1.14	1.64	1.74	2.28	3.70	3.70	3.70
13	3.87	2.63	2.15	1.75	1.54	1.12	1.75	2.18	2.41	3.67	3.64	3.69
14	3.81	e2.59	2.13	1.74	1.53	1.09	1.78	2.22	2.49	3.65	3.58	3.71
15	3.79	e2.57	2.11	1.75	1.51	1.07	1.82	2.26	2.54	3.62	3.56	3.69
16	3.75	2.47	2.09	1.74	1.49	1.04	1.91	2.28	2.53	3.58	3.54	3.70
17	3.69	2.45	2.07	1.73	1.48	1.02	1.92	2.33	2.48	3.59	3.50	3.89
18	3.62	2.43	2.05	1.72	1.47	1.02	1.92	2.31	2.42	3.61	3.47	3.93
19	3.52	2.40	2.03	1.73	1.46	1.00	1.91	2.28	2.36	3.64	3.47	3.99
20	3.44	2.39	2.01	1.72	1.45	.99	1.88	2.25	2.29	3.68	3.46	4.04
21	3.36	2.38	2.00	1.70	1.45	1.00	1.84	2.21	2.26	3.73	3.41	4.03
22	3.31	2.39	1.99	1.69	1.44	1.72	1.78	2.16	2.21	3.82	3.37	4.00
23	3.27	2.45	1.97	1.69	1.43	1.95	1.75	2.12	2.26	4.13	3.32	3.96
24	3.24	2.50	1.96	1.70	1.42	2.01	1.69	2.07	2.64	4.34	3.28	3.92
25	3.20	2.53	1.94	1.69	1.40	2.05	1.64	2.04	3.20	4.34	3.23	3.88
26	3.19	2.54	2.00	1.69	1.39	2.06	1.59	2.19	3.45	4.31	3.17	3.83
27	3.13	2.54	1.98	1.67	1.38	2.07	1.53	2.21	3.58	4.27	3.14	3.83
28	3.08	2.54	1.95	1.67	1.36	2.08	1.48	2.21	3.59	4.21	3.14	3.89
29	3.05	2.53	1.93	1.66	---	2.06	1.43	2.19	3.56	4.16	3.26	3.91
30	3.05	2.52	1.91	1.65	---	2.04	1.38	2.17	3.58	4.09	3.33	3.99
31	3.03	---	1.89	1.63	---	2.02	---	2.15	---	4.04	3.34	---
MEAN	3.69	2.67	2.13	1.76	1.50	1.43	1.75	1.82	2.53	3.88	3.61	3.71
MAX	4.34	3.14	2.50	1.90	1.62	2.08	1.99	2.33	3.59	4.34	4.10	4.04
MIN	3.03	2.38	1.89	1.63	1.36	.99	1.38	1.00	2.03	3.58	3.14	3.32

CAL YR 1984 MEAN 2.79 MAX 4.34 MIN .61
WTR YR 1985 MEAN 2.55 MAX 4.34 MIN .99

e Estimated

02290800 TAYLOR SLOUGH NEAR HOMESTEAD, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1960 to current year.

REMARKS.--Samples collected in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
02...	1400	1028	1028	0.5	10	7.70	2.3	0.33	0.002	0.01
30...	0946	1028	1028	0.7	10	8.20	1.5	0.93	0.02	0.01
NOV										
27...	1403	1028	1028	0.5	10	8.00	--	0.41	0.05	<0.01
JAN										
03...	1003	1028	1028	1.6	15	7.60	2.5	0.35	0.21	0.01
FEB										
04...	1145	1028	1028	1.4	20	7.60	2.5	0.58	0.18	0.01
MAR										
15...	0957	1028	1028	1.7	10	8.00	--	1.0	0.20	0.01
APR										
22...	1105	1028	1028	0.6	20	8.00	--	0.5	0.04	0.01
JUN										
04...	1048	1028	1028	3200	25	7.90	--	0.91	0.05	<0.01
JUL										
15...	1645	1028	1028	1.3	25	7.90	--	0.77	0.05	<0.01
SEP										
11...	1400	1028	1028	1.3	20	7.20	--	0.98	0.02	<0.01

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
02...	--	0.33	0.01	0.02	3.5	29	44	1.8	3.0	0.3
30...	--	0.95	0.01	0.03	7.0	46	68	4.3	15	1.4
NOV										
27...	--	0.46	0.03	0.01	4.5	46	76	3.2	9.5	0.4
JAN										
03...	0.04	0.56	--	0.02	9.0	56	78	M3.5	16	0.5
FEB										
04...	0.07	0.76	0.08	0.07	17	48	72	3.7	11	0.8
MAR										
15...	--	1.2	0.01	0.10	4.8	50	73	3.4	10	0.6
APR										
22...	--	0.54	0.01	0.02	8.2	54	78	3.7	12	0.5
JUN										
04...	--	0.96	<0.01	18.0	56	0.3	86	4.2	13	0.5
JUL										
15...	--	0.82	<0.01	0.01	35	57	58	5.9	30	1.6
SEP										
11...	--	1.0	<0.01	0.02	18	36	50	5.6	25	1.5

02290800 TAYLOR SLOUGH NEAR HOMESTEAD, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	BICARBONATE, FET-LAB (MG/L AS HCO3) (95440)
OCT										
02...	410	0.1	0.1	2.6	400	139	0.01	226	112	140
30...	19	0.1	0.2	4.4	970	224	0.01	419	194	240
NOV										
27...	17	<0.1	0.1	3.6	600	218	0.01	402	194	--
JAN										
03...	7.2	0.1	0.1	3.6	600	220	0.02	423	210	260
FEB										
04...	15	<0.1	0.1	3.4	630	226	E0.03	404	196	240
MAR										
15...	17	0.2	0.1	4.5	600	218	0.03	395	174	--
APR										
22...	19	1.1	0.1	3.2	600	240	0.01	449	217	--
JUN										
04...	19	0.4	0.2	6.8	650	274	0.06	439	217	--
JUL										
15...	35	39	0.2	5.9	700	462	0.01	416	155	--
SEP										
11...	39	5.1	0.2	5.4	600	232	0.01	398	142	--

02290810 EVERGLADES 207 NEAR HOMESTEAD, FL

LOCATION.--Lat 25°07'30", long 80°40'30", in sec.36, T.59 S., R.36 E., Dade County, Hydrologic Unit 03090202, in the Everglades, 75 mi southeast of Royal Palm Ranger Station, and 18 mi southeast of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1964 to current year.

REMARKS.--Samples collected in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
02...	1630	1028	1028	0.8	10	7.90	--	0.81	0.04	<0.01
30...	0800	1028	1028	3.5	20	7.90	--	0.74	0.06	<0.01
FEB										
04...	1000	1028	1028	25	30	7.40	2.9	3.1	0.50	0.01
JUL										
15...	1602	1028	1028	1.0	20	7.10	--	1.8	0.18	0.01
SEP										
11...	1405	1028	1028	1.3	15	7.40	--	0.66	0.04	0.01

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
02...	--	0.85	0.02	0.02	6.3	20	28	2.5	7.9	1.3
30...	--	0.8	0.01	0.02	9.3	32	49	3.7	14	1.7
FEB										
04...	--	3.6	0.01	0.05	17	51	87	4.3	17	1.8
JUL										
15...	0.10	2.0	0.11	0.03	12	21	38	3.0	16	1.0
SEP										
11...	--	0.7	0.01	0.02	10	--	34	2.3	12	1.1

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	BICARBONATE, FET-LAB (MG/L AS HCO3) (95440)
OCT										
02...	17	0.6	0.1	2.1	490	124	0.01	189	71	--
30...	31	0.2	0.1	2.1	740	207	0.01	341	131	--
FEB										
04...	23	<0.1	0.1	3.0	910	292	0.05	475	206	250
JUL										
15...	35	9.0	0.2	3.5	600	174	0.03	293	83	--
SEP										
11...	21	0.1	0.1	2.4	430	134	0.01	239	89	--

02290815 EVERGLADES P-33 NEAR HOMESTEAD, FL

LOCATION.--Lat 25°36'30", long 80°41'30" in sec.11, T.56 S., R.36 E., Dade County, Hydrologic Unit 03090202, in the Everglades, 13 mi southeast of the 40-Mile Bend of U.S. Highway 41, and 16 mi northeast of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1959 to current year.

REMARKS.--Samples collected in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
02...	1701	1028	1028	0.5	70	7.80	2.1	1.7	0.05	0.01
30...	0905	1028	1028	1.1	70	8.00	--	0.93	0.07	<0.01
NOV										
27...	1341	1028	1028	0.5	60	8.30	--	1.9	0.18	<0.01
JAN										
03...	0901	1028	1028	0.6	60	7.70	--	0.62	0.33	<0.01
FEB										
04...	1036	1028	1028	10	650	7.50	2.7	2.0	0.78	0.01
MAR										
15...	0902	1028	1028	--	--	--	--	--	--	--
APR										
22...	0948	1028	1028	--	70	7.90	--	--	1.00	<0.01
JUN										
04...	0951	1028	1028	0.8	65	7.50	--	--	0.66	<0.01
JUL										
15...	1530	1028	1028	2.6	60	7.40	--	1.9	0.13	<0.01
SEP										
11...	1501	1028	1028	1.8	60	7.20	--	1.7	0.05	0.01

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
02...	--	1.7	0.01	0.02	26	46	55	15	58	3.7
30...	--	1.0	0.01	0.02	26	54	61	18	65	4.1
NOV										
27...	--	2.1	0.03	0.01	29	50	67	19	68	3.7
JAN										
03...	--	0.95	0.05	0.02	25	63	73	20	66	4.6
FEB										
04...	0.01	2.8	0.02	0.02	36	70	82	21	75	4.2
MAR										
15...	--	21	--	--	--	--	--	--	--	--
APR										
22...	--	E110	<0.01	0.041	63	92	120	23	93	5.6
JUN										
04...	--	--	<0.01	0.62	32	60	97	17	59	5.6
JUL										
15...	--	2.0	0.01	0.01	27	34	79	11	34	2.2
SEP										
11...	--	1.8	0.01	0.02	35	37	49	8.5	41	--

02290815 EVERGLADES P-33 NEAR HOMESTEAD, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	BICARBONATE, FET-LAB (MG/L AS HCO3) (95440)
OCT										
02...	86	14	0.4	8.0	970	391	0.01	622	N177	220
30...	99	14	0.5	7.3	1300	445	0.01	733	221	--
NOV										
27...	100	16	0.6	6.1	1300	454	0.01	746	226	--
JAN										
03...	110	26	0.5	5.8	1400	494	0.02	818	243	--
FEB										
04...	120	23	0.5	4.3	1500	562	0.01	896	289	350
MAR										
15...	--	--	--	--	--	--	--	--	--	--
APR										
22...	140	0.5	0.5	30	1800	644	0.04	1160	374	--
JUN										
04...	87	72	0.5	37	1300	544	0.02	841	239	--
JUL										
15...	50	89	0.3	3.7	1000	388	0.01	628	128	--
SEP										
11...	--	--	--	--	--	--	--	--	--	--

02290828 EVERGLADES P-36 NEAR HOMESTEAD, FL

LOCATION.--Lat 25°32'30", long 80°47'00", in NE¼ sec.1, T.57 S., R.35 E., Dade County, Hydrologic Unit 03090202, in the Everglades, 15 mi south of the 40-Mile Bend of U.S. Highway 41 and 20 mi northeast of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Samples collected in cooperation with National Park Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT										
02...	1655	1028	1028	1.5	40	7.80	2.1	1.4	0.07	0.01
30...	0832	1028	1028	4.3	60	8.00	--	1.6	0.13	<0.01
NOV										
27...	1230	1028	1028	0.4	50	7.90	--	1.8	0.20	<0.01
JAN										
03...	0932	1028	1028	1.4	50	7.70	--	1.5	0.31	<0.01
FEB										
04...	1020	1028	1028	1.0	50	7.90	1.9	2.0	0.44	0.01
MAR										
15...	0845	1028	1028	4.4	55	8.10	--	7.4	0.92	0.01
APR										
22...	0934	1028	1028	--	60	7.40	--	--	4.60	0.01
JUN										
04...	1002	1028	1028	4.0	80	7.40	--	2.4	0.20	<0.01
JUL										
15...	1545	1028	1028	1.2	50	7.60	--	1.4	0.05	<0.01
SEP										
11...	1437	1028	1028	1.7	55	7.40	--	1.5	0.03	0.01

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INORGANIC, TOTAL (MG/L AS C) (00685)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
02...	--	1.5	0.01	0.02	18	40	50	10	37	2.4
30...	--	1.7	0.02	0.02	24	51	60	M15	63	3.8
NOV										
27...	--	2.0	0.03	0.01	33	47	63	16	66	4.1
JAN										
03...	--	1.8	0.06	0.02	30	59	66	18	64	4.2
FEB										
04...	0.02	2.4	0.03	0.01	34	63	74	19	78	4.1
MAR										
15...	0.02	8.3	0.03	0.18	41	67	81	21	83	5.6
APR										
22...	--	E220	0.01	0.15	34	68	82	17	78	4.8
JUN										
04...	--	2.6	0.03	0.05	29	52	69	13	55	2.9
JUL										
15...	--	1.4	<0.01	0.01	26	40	52	8.2	27	2.1
SEP										
11...	--	1.5	0.01	0.02	24	40	53	8.5	25	1.9

02290828 EVERGLADES P-36 NEAR HOMESTEAD, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	BICARBONATE, FET-LAB (MG/L AS HCO3) (95440)
OCT										
02...	56	0.2	0.3	4.5	1100	299	0.01	475	157	190
30...	97	1.2	0.4	6.6	1000	424	0.01	691	210	--
NOV										
27...	99	6.4	0.4	5.0	1100	418	0.01	707	215	--
JAN										
03...	110	7.1	0.4	4.7	1100	468	0.01	778	236	--
FEB										
04...	120	7.7	0.1	4.5	1200	528	0.01	852	266	320
MAR										
15...	140	2.0	0.3	4.5	1300	568	0.04	963	256	--
APR										
22...	120	<0.1	1.6	15	1200	504	0.10	916	258	--
JUN										
04...	81	21	0.4	16	800	418	0.01	700	217	--
JUL										
15...	40	5.4	0.2	8.3	710	246	0.01	436	152	--
SEP										
11...	36	1.4	0.2	7.9	710	272	0.01	429	168	--

02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

LOCATION.--Lat 25°57'28", long 81°21'19", in NW¼ sec.7, T.52 S., R.30 E., Collier County, Hydrologic Unit 03090204, on right bank 40 ft upstream from control structure, 0.7 mi north of Copeland, 7 mi north of town of Everglades, and 7.5 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July to December 1951 (discharge measurements only), January 1952 to current year. Records prior to January 1952 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (State Department of Transportation bench mark). Prior to Jan. 24, 1952, nonrecording gage.

REMARKS.--Records poor. Flow regulated by operation of control structure at, above, and below station, and is occasionally affected by tide. Overbank flow not included in discharge figures.

AVERAGE DISCHARGE.--33 years (water years 1952-85), 102 ft^3/s, 73,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 292 ft^3/s Sept. 25, 1962; maximum gage height, 6.57 ft Sept. 4, 5, 1983; no flow many days; minimum gage height, 0.21 ft May 18, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of October 1947 reached a stage of about 7 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 199 ft^3/s July 23; gage height, 6.00 ft; no flow May 8 to July 7; minimum gage height, 0.83 ft June 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e192	e152	e75	e31	e24	e16	2.4	e.60	.00	.00	193	153
2	e192	e150	e76	e30	e24	e16	2.7	e.50	.00	.00	191	150
3	e191	e149	74	e30	e24	e15	2.9	e.40	.00	.00	191	145
4	188	e146	73	e33	e23	e15	e2.8	e.30	.00	.00	190	150
5	187	e147	73	e36	e22	16	e2.7	e.20	.00	.00	188	178
6	185	e145	71	e36	22	17	e2.6	e.20	.00	.00	185	197
7	182	142	68	34	22	15	e2.6	e.10	.00	.00	184	196
8	179	140	65	33	21	15	e2.5	e.00	.00	7.9	184	194
9	176	138	63	32	20	14	e2.4	.00	.00	9.2	182	195
10	173	137	61	30	20	15	e2.3	.00	.00	10	181	196
11	170	139	60	30	20	16	e2.2	.00	.00	12	179	195
12	167	136	59	29	19	15	e2.2	.00	.00	16	178	198
13	163	131	55	28	16	16	e2.0	.00	.00	23	177	197
14	160	128	e52	27	15	14	e1.9	.00	.00	29	176	196
15	158	129	e49	e28	14	14	e1.9	.00	.00	33	175	198
16	156	128	e46	e27	14	15	e1.8	.00	.00	38	174	195
17	152	127	e44	e27	14	18	e1.7	.00	.00	40	172	194
18	150	125	e41	e27	15	14	e1.6	.00	.00	43	170	194
19	148	125	e40	e28	15	12	e1.5	.00	.00	46	168	193
20	148	127	e39	e28	15	12	e1.4	.00	.00	53	168	192
21	146	128	e39	e27	15	14	e1.4	.00	.00	59	170	193
22	144	e129	e38	e29	15	17	e1.3	.00	.00	66	170	192
23	142	e130	e37	e28	15	15	e1.2	.00	.00	158	167	190
24	141	e126	e36	e28	16	13	e1.1	.00	.00	199	163	188
25	156	e122	e36	e27	15	7.9	e1.0	.00	.00	198	159	185
26	169	e118	e35	e27	e16	.13	e.90	.00	.00	197	155	183
27	166	e115	e33	e26	e15	.74	e.80	.00	.00	197	155	180
28	e163	e112	e32	e25	e15	1.3	e.80	.00	.00	199	157	178
29	e160	e108	e32	e26	---	1.8	e.70	.00	.00	197	153	176
30	e159	e92	e31	e25	---	2.1	e.60	.00	.00	196	149	174
31	e155	---	e31	e24	---	2.3	---	.00	---	195	148	---
TOTAL	5118	3921	1564	896	501	375.27	53.90	2.30	.00	2221.10	5352	5545
MEAN	165	131	50.5	28.9	17.9	12.1	1.80	.074	.000	71.6	173	185
MAX	192	152	76	36	24	18	2.9	.60	.00	199	193	198
MIN	141	92	31	24	14	.13	.60	.00	.00	.00	148	145
AC-FT	10150	7780	3100	1780	994	744	107	4.6	.00	4410	10620	11000

CAL YR 1984	TOTAL	45801.00	MEAN	125	MAX 216	MIN 26	AC-FT	90850
WTR YR 1985	TOTAL	25549.57	MEAN	70.0	MAX 199	MIN .00	AC-FT	50680

e Estimated

02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.43	e4.38	e3.33	e2.30	e1.96	e1.22	1.63	1.76	1.15	2.44	5.87	4.83
2	e5.46	e4.32	e3.35	e2.28	e1.96	e1.22	1.65	1.73	1.13	2.45	5.82	4.75
3	e5.46	e4.29	3.31	e2.27	e1.93	e1.16	1.67	1.70	1.12	2.48	5.81	4.64
4	5.43	e4.23	3.29	e2.36	e1.90	e1.15	1.66	1.68	1.11	2.61	5.79	4.63
5	5.40	e4.25	3.27	e2.44	e1.86	1.16	1.65	1.67	1.10	2.64	5.74	4.97
6	5.36	e4.21	3.24	e2.43	1.85	1.17	1.64	1.64	1.08	2.71	5.69	5.23
7	5.29	4.15	3.16	2.41	1.85	1.13	1.64	1.61	1.05	2.72	5.66	5.24
8	5.23	4.10	3.11	2.39	1.79	1.12	1.64	1.60	1.04	2.29	5.65	5.23
9	5.17	4.06	3.06	2.34	1.74	1.09	1.64	1.58	1.02	1.70	5.61	5.25
10	5.09	4.04	3.02	2.30	1.71	1.13	1.64	1.56	1.01	1.73	5.59	5.30
11	5.02	4.07	2.99	2.28	1.72	1.14	1.64	1.55	.99	1.82	5.55	5.31
12	4.96	4.01	2.97	2.27	1.64	1.13	1.65	1.53	.97	1.94	5.52	5.39
13	4.88	3.93	2.89	2.23	1.54	1.14	1.64	1.51	.95	2.13	5.51	5.40
14	4.81	3.87	e2.80	2.22	1.48	1.11	1.64	1.49	.94	2.30	5.48	5.40
15	4.76	3.88	e2.73	e2.24	1.46	1.10	1.66	1.47	.93	2.41	5.45	5.45
16	4.70	3.86	e2.67	e2.22	1.42	1.11	1.70	1.46	.91	2.53	5.43	5.44
17	4.63	3.84	e2.63	e2.20	1.42	1.21	1.74	1.43	.90	2.59	5.39	5.42
18	4.58	3.81	e2.56	e2.25	1.41	1.09	1.77	1.41	.88	2.65	5.34	5.45
19	4.54	3.81	e2.53	e2.28	1.40	1.03	1.80	1.39	.86	2.72	5.30	5.46
20	4.52	3.84	e2.51	e2.26	1.39	1.02	1.83	1.37	.85	2.89	5.31	5.46
21	4.49	3.87	e2.51	e2.24	1.36	1.10	1.85	1.36	.84	3.03	5.36	5.50
22	4.45	e3.88	e2.47	e2.17	1.35	1.18	1.86	1.34	.87	3.18	5.36	5.51
23	4.40	e3.90	e2.45	e2.15	1.33	1.13	1.86	1.31	.99	5.13	5.28	5.48
24	4.36	e3.83	e2.43	e2.13	1.32	1.06	1.86	1.29	1.14	5.98	5.20	5.46
25	4.57	e3.76	e2.42	e2.11	1.30	1.08	1.86	1.27	1.26	5.96	5.10	5.43
26	4.75	e3.69	e2.42	e2.10	1.28	1.33	1.84	1.26	1.59	5.94	5.01	5.41
27	4.69	e3.63	e2.37	e2.05	1.25	1.48	1.83	1.24	2.14	5.94	5.02	5.38
28	e4.62	e3.56	e2.35	e2.02	1.23	1.55	1.81	1.22	2.32	5.98	5.05	5.35
29	e4.56	e3.50	e2.33	e2.02	---	1.59	1.79	1.20	2.40	5.94	4.96	5.32
30	e4.53	e3.42	e2.31	e1.99	---	1.61	1.78	1.19	2.43	5.92	4.86	5.30
31	e4.44	---	e2.30	e1.97	---	1.62	---	1.17	---	5.89	4.80	---
MEAN	4.86	3.93	2.77	2.22	1.57	1.21	1.73	1.45	1.20	3.44	5.40	5.28
MAX	5.46	4.38	3.35	2.44	1.96	1.62	1.86	1.76	2.43	5.98	5.87	5.51
MIN	4.36	3.42	2.30	1.97	1.23	1.02	1.63	1.17	.84	1.70	4.80	4.63

CAL YR 1984 MEAN 3.71 MAX 5.54 MIN 1.39
WTR YR 1985 MEAN 2.93 MAX 5.98 MIN .84

e Estimated

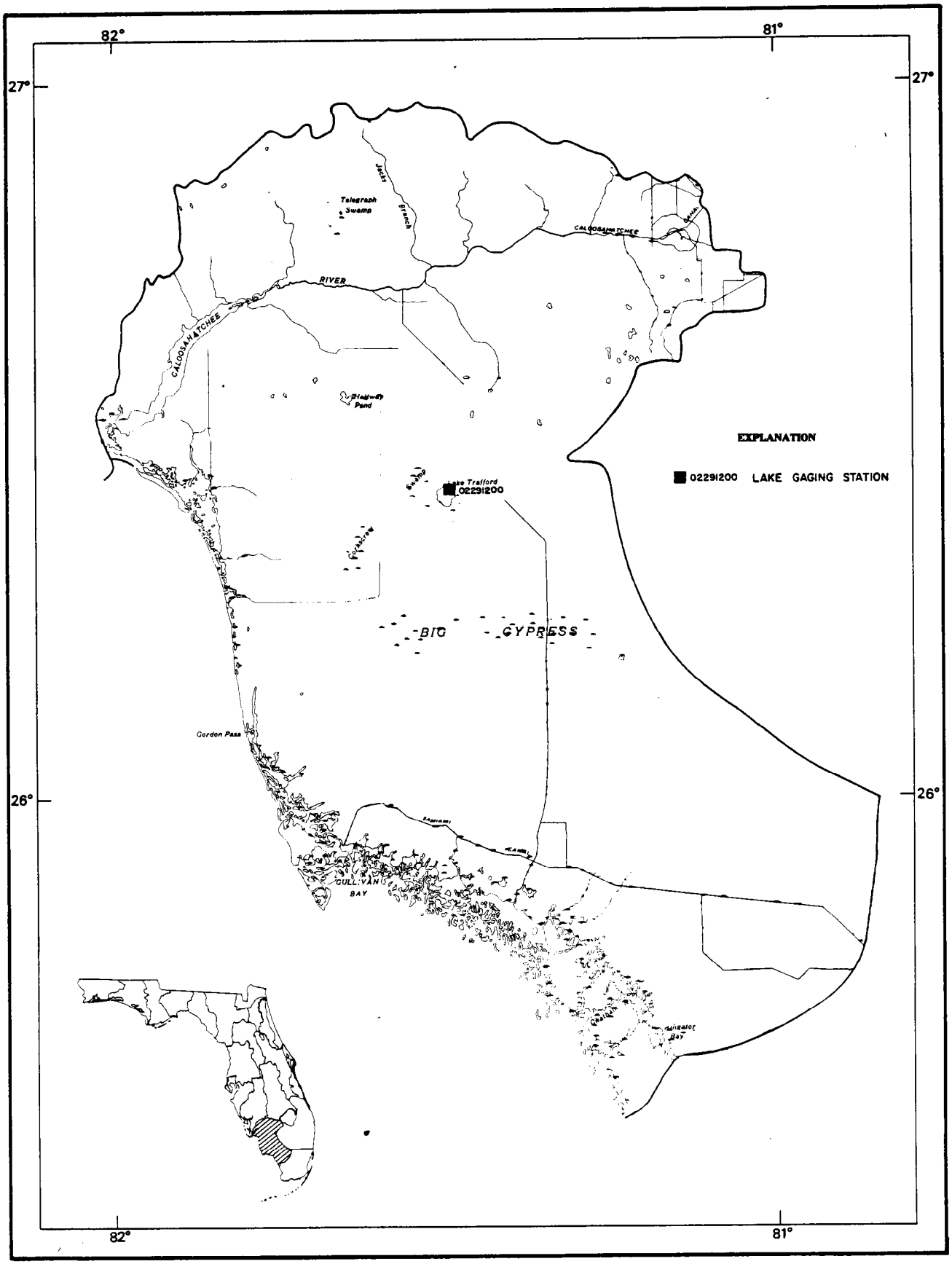


Figure 14. Location of the lake gaging station in the Big Cypress Swamp and southeastern coastal area; and the Caloosahatchee River

02291200 LAKE TRAFFORD NEAR IMMOKALEE, FL

LOCATION.--Lat 26°26'08", long 81°29'25", in NW¼ sec.35, T.46 S., R.28 E., Collier County, Hydrologic Unit 03090202, on north side of lake, on east bank of stub canal at Pepper's Camp, and 4.5 mi west of Immokalee.

SURFACE AREA.--1,479 acres.

DRAINAGE AREA.--30 mi^2, approximately.

PERIOD OF RECORD.--March 1941 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 16.43 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 6, 1960, at several sites in the immediate vicinity at same datum. May 15, 1962, to Sept. 30, 1962, auxiliary nonrecording gage in canal at county boat landing, 0.3 mi southeast. Oct. 1, 1962, to Nov. 25, 1968, nonrecording gage at same site and datum. Gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is landlocked except above an elevation of about 21 ft, when there is overflow to the south into Corkscrew Swamp. Records estimated Apr. 2 to July 8, 1981. Extremes may have been estimated during missing record.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.79 ft Sept. 23, 1947; minimum, 15.90 ft estimated June 6-10, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 21.06 ft Oct. 1, 2, 3; minimum, 18.16 ft July 18.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.06	20.46	20.29	20.02	19.82	e19.51	19.11	19.08	18.46	18.38	18.62	19.11
2	21.06	20.45	20.29	20.01	19.82	e19.49	19.15	19.06	18.44	18.38	18.63	19.16
3	21.06	20.44	20.29	20.00	19.81	e19.47	19.14	19.05	18.41	18.37	18.63	19.19
4	21.05	20.43	20.28	20.01	19.80	e19.45	19.08	19.03	18.38	18.35	18.62	19.22
5	21.03	20.42	20.28	20.00	19.80	e19.43	19.08	19.01	18.35	18.33	18.63	19.24
6	21.01	20.38	20.27	19.98	19.78	e19.41	19.09	18.98	18.31	18.31	18.67	19.29
7	20.99	20.34	20.24	19.98	19.76	e19.38	19.09	18.96	18.28	18.28	18.71	19.35
8	20.96	20.32	20.23	19.97	19.74	e19.38	19.04	18.95	18.29	18.25	18.79	19.38
9	20.94	20.30	20.22	19.96	19.72	e19.36	19.01	18.92	18.38	18.23	18.80	19.40
10	20.92	20.30	20.21	19.95	19.71	e19.35	18.98	18.91	18.36	18.23	18.82	19.41
11	20.90	20.29	20.21	19.95	19.73	e19.32	18.96	18.90	18.34	18.22	18.83	e19.42
12	20.88	20.26	20.20	19.93	19.71	e19.29	18.96	18.89	18.32	18.22	18.83	e19.43
13	20.86	20.25	20.19	19.92	19.69	e19.28	18.95	18.86	18.31	18.22	18.83	e19.45
14	20.84	20.23	20.18	19.92	19.68	e19.25	18.95	18.84	18.40	18.21	18.84	e19.48
15	20.79	20.22	20.17	19.91	19.68	e19.25	19.15	18.82	18.40	18.20	18.89	e19.53
16	20.76	20.21	20.16	19.90	19.68	e19.26	19.26	18.80	18.42	18.19	18.90	e19.60
17	20.73	20.20	20.15	19.90	19.68	e19.24	19.25	18.77	18.45	18.18	18.91	e19.66
18	20.70	20.19	20.14	19.90	19.66	e19.24	19.24	18.76	18.49	18.18	18.91	e19.85
19	20.67	20.19	20.13	19.92	19.66	e19.16	19.24	18.74	18.46	18.20	18.93	e19.93
20	20.63	20.18	20.13	19.91	19.65	e19.16	19.23	18.73	18.44	18.21	18.93	e20.00
21	20.61	20.19	20.12	19.88	19.63	e19.22	19.22	18.70	18.41	18.23	18.92	e20.05
22	20.59	20.25	20.11	19.86	19.62	e19.30	19.20	18.68	18.42	18.29	18.93	e20.08
23	20.57	20.26	20.10	19.86	19.61	e19.29	19.20	18.66	18.42	18.35	18.95	e20.09
24	20.55	20.27	20.09	19.86	19.61	e19.27	19.19	18.64	18.40	18.39	18.96	e20.10
25	20.52	20.28	20.08	19.86	19.59	e19.22	19.18	18.61	18.40	18.40	18.97	e20.10
26	20.51	20.28	20.07	19.84	19.58	e19.19	19.16	18.59	18.39	18.41	18.96	e20.10
27	20.53	20.28	20.06	19.83	19.53	e19.20	19.14	18.57	18.37	18.43	18.95	e20.10
28	20.52	20.29	20.05	19.84	e19.52	e19.21	19.12	18.53	18.38	18.44	18.94	20.10
29	20.51	20.29	20.04	19.83	---	19.18	19.11	18.51	18.38	18.49	18.95	20.09
30	20.49	20.29	20.03	19.83	---	19.17	19.10	18.49	18.36	18.49	18.96	20.08
31	20.47	---	20.02	19.83	---	19.14	---	18.49	---	18.57	18.98	---
MEAN	20.76	20.29	20.16	19.91	19.69	19.29	19.12	18.79	18.39	18.31	18.84	19.67
MAX	21.06	20.46	20.29	20.02	19.82	19.51	19.26	19.08	18.49	18.57	18.98	20.10
MIN	20.47	20.18	20.02	19.83	19.52	19.14	18.95	18.49	18.28	18.18	18.62	19.11

CAL YR 1984 MEAN 20.33 MAX 21.06 MIN 19.66
WTR YR 1985 MEAN 19.43 MAX 21.06 MIN 18.18

e Estimated

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL

LOCATION.--Lat 26°50'22", long 81°05'15", in NW¼NW¼ sec.12, T.42 S., R.32 E., Glades County, Hydrologic Unit 03090205, on right bank in boat house at downstream side of hurricane gate structure and lock 1 at Lake Okeechobee outlet, 0.1 mi west of control structure 77, 0.45 mi upstream from U.S. Highway 27, and 15 mi upstream from lock 2.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to September 1913 (discharge measurements), October 1938 to current year. 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 National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Jan. 17, 1952, at site 0.5 mi downstream, at datum 1.44 ft lower. Jan. 17, 1952 to Sept. 30, 1966, at site 0.5 mi downstream at present datum. October 1938 to September 1966, auxiliary water-stage recorder 0.2 mi upstream from Lake Hicpochee and 3.0 mi downstream. Since October 1966, auxiliary water-stage recorder on upstream side of hurricane gate structure and lock 1.

REMARKS.--Records poor. Flow regulated by operation of control structure 77 at Lake Okeechobee.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--47 years, 932 ft^3/s, 675,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,290 ft^3/s Apr. 10, 11, 1970; maximum gage height, 15.76 ft present datum Sept. 27, 1948; maximum daily reverse flow, 4,410 ft^3/s May 28, 1982; lock closed and flow consists of leakage and lockage estimated as 5.0 ft^3/s during several periods in each year; minimum gage height, 5.8 ft present datum, estimated Aug. 8, 1940.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,150 ft^3/s Jan. 22; maximum gage height, 11.86 ft Mar. 18; lock closed and flow consists of leakage and lockage estimated as 5.0 ft^3/s for many days; minimum gage height, 10.28 ft Jan. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	5.0	5.0	406	5.0	482	e554	965	744	5.0	5.0	5.0
2	5.0	5.0	5.0	332	5.0	482	315	1200	506	5.0	5.0	5.0
3	5.0	5.0	5.0	5.0	5.0	485	5.0	1090	366	5.0	5.0	5.0
4	5.0	5.0	5.0	5.0	5.0	473	5.0	149	498	5.0	5.0	5.0
5	5.0	5.0	5.0	5.0	5.0	455	5.0	5.0	506	5.0	5.0	5.0
6	5.0	5.0	5.0	5.0	5.0	453	5.0	74	641	5.0	5.0	5.0
7	5.0	5.0	5.0	5.0	5.0	476	5.0	336	813	5.0	5.0	5.0
8	5.0	5.0	83	5.0	5.0	445	5.0	452	693	5.0	5.0	5.0
9	5.0	5.0	317	290	5.0	448	5.0	637	378	117	5.0	5.0
10	5.0	5.0	233	488	5.0	448	5.0	615	377	228	5.0	5.0
11	5.0	5.0	5.0	486	5.0	442	5.0	615	188	217	5.0	5.0
12	5.0	357	5.0	611	5.0	431	5.0	603	61	79	5.0	5.0
13	120	435	5.0	1320	5.0	439	5.0	602	5.0	5.0	5.0	5.0
14	233	5.0	5.0	784	231	435	5.0	619	5.0	5.0	5.0	5.0
15	233	213	5.0	114	337	499	5.0	740	5.0	5.0	5.0	5.0
16	233	393	5.0	5.0	338	530	5.0	743	5.0	5.0	5.0	5.0
17	323	626	5.0	5.0	339	5.0	5.0	335	5.0	5.0	5.0	5.0
18	430	624	5.0	5.0	341	5.0	5.0	935	5.0	5.0	5.0	5.0
19	5.0	616	5.0	84	338	5.0	5.0	770	5.0	5.0	5.0	5.0
20	354	567	5.0	781	338	5.0	5.0	453	5.0	5.0	5.0	5.0
21	776	313	172	1840	343	5.0	5.0	5.0	5.0	5.0	5.0	5.0
22	533	77	308	3150	279	5.0	5.0	5.0	5.0	5.0	5.0	5.0
23	348	5.0	266	1520	5.0	5.0	428	5.0	5.0	5.0	5.0	5.0
24	347	5.0	5.0	149	5.0	5.0	696	5.0	5.0	5.0	5.0	5.0
25	495	5.0	5.0	5.0	5.0	5.0	682	5.0	5.0	5.0	5.0	5.0
26	278	5.0	5.0	5.0	221	5.0	667	5.0	5.0	5.0	5.0	5.0
27	5.0	5.0	177	5.0	433	5.0	655	5.0	5.0	5.0	5.0	5.0
28	5.0	5.0	412	5.0	484	5.0	424	5.0	5.0	5.0	5.0	5.0
29	5.0	5.0	410	5.0	---	e256	1010	5.0	5.0	5.0	5.0	5.0
30	5.0	5.0	407	5.0	---	e468	1520	334	5.0	5.0	5.0	5.0
31	5.0	---	409	5.0	---	e724	---	810	---	5.0	5.0	---
TOTAL	4793.0	4321.0	3294.0	12435.0	4102.0	8931.0	7051.0	13127.0	5861.0	776.0	155.0	150.0
MEAN	155	144	106	401	147	288	235	423	195	25.0	5.00	5.00
MAX	776	626	412	3150	484	724	1520	1200	813	228	5.0	5.0
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
AC-FT	9510	8570	6530	24660	8140	17710	13990	26040	11630	1540	307	298

CAL YR 1984	TOTAL	419856.0	MEAN	1147	MAX	4690	MIN	5.0	AC-FT 832800
WTR YR 1985	TOTAL	64996.0	MEAN	178	MAX	3150	MIN	5.0	AC-FT 128900

e Estimated

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.15	11.23	11.39	11.19	11.40	10.83	11.02	11.18	11.02	11.23	11.22	11.32
2	10.95	11.18	11.34	11.23	11.41	10.79	11.03	11.05	10.94	11.11	11.27	10.98
3	11.17	11.19	11.33	11.15	11.34	10.86	11.11	10.95	10.83	11.01	11.40	10.80
4	10.85	11.34	11.35	11.09	11.30	10.99	11.13	10.97	10.90	11.16	11.24	10.93
5	10.99	11.17	11.23	11.15	11.25	11.09	11.05	11.07	10.96	11.24	11.00	10.92
6	11.16	11.09	11.17	11.14	11.20	11.14	10.91	10.93	10.99	11.15	10.96	10.91
7	11.05	11.10	11.06	11.09	11.11	11.15	10.87	10.82	11.00	11.11	11.05	10.88
8	10.97	11.20	10.86	10.93	11.10	11.24	10.89	10.97	10.99	11.08	11.21	10.90
9	11.21	11.16	11.00	10.84	11.17	11.10	11.05	10.95	10.83	10.84	11.26	11.10
10	11.09	11.13	11.20	11.01	11.18	11.03	11.10	11.02	10.91	10.83	10.91	10.93
11	10.85	11.00	11.22	11.12	11.22	11.09	11.20	10.99	11.06	10.91	11.08	10.82
12	10.85	10.96	11.31	10.90	11.22	11.12	11.28	11.04	11.26	11.16	10.99	11.12
13	10.87	11.22	11.31	10.74	11.02	11.12	11.25	11.06	11.37	11.35	11.09	11.22
14	10.85	11.19	11.27	11.19	10.85	11.07	11.32	10.92	11.29	11.17	11.15	10.87
15	11.00	10.97	11.26	11.32	10.85	10.89	11.30	10.84	11.30	10.99	11.03	11.19
16	11.09	10.77	11.31	11.28	10.95	11.17	11.29	11.10	11.08	11.19	11.16	11.19
17	11.08	10.80	11.33	11.12	11.08	11.42	11.05	11.06	11.12	11.23	11.20	10.86
18	11.11	10.99	11.26	10.90	11.12	11.60	10.97	10.95	11.06	11.17	11.17	10.93
19	11.05	11.23	11.15	10.79	11.15	11.55	11.20	11.09	11.01	11.28	11.24	10.86
20	10.69	11.33	11.01	10.78	11.17	11.32	11.30	11.04	11.10	11.34	11.36	10.80
21	10.69	11.31	10.92	10.77	11.17	11.25	11.36	11.11	11.04	11.08	11.14	11.20
22	11.09	11.60	11.11	10.71	11.23	11.22	11.30	11.07	11.00	11.13	11.03	10.99
23	11.19	11.12	11.19	10.82	11.19	11.20	10.87	11.01	11.20	10.86	11.23	10.94
24	11.15	10.89	11.16	11.28	11.11	11.20	10.90	11.30	11.20	11.46	11.36	10.82
25	11.10	11.08	11.07	11.38	10.97	11.13	10.95	11.57	11.19	11.04	11.09	10.82
26	11.17	11.45	10.96	11.41	10.80	11.15	10.99	11.32	11.20	11.16	10.93	10.74
27	11.13	11.43	10.88	11.45	10.84	11.02	11.04	11.16	11.24	11.29	11.18	10.95
28	11.18	11.40	10.99	11.43	10.86	10.85	11.03	11.17	11.24	10.92	11.23	11.16
29	11.30	11.31	10.93	11.35	---	10.74	11.07	11.25	11.00	10.96	10.72	10.91
30	11.18	11.33	10.95	11.33	---	10.80	11.22	10.88	11.01	11.12	10.89	10.83
31	11.18	---	11.06	11.35	---	10.90	---	10.86	---	11.02	11.05	---
MEAN	11.04	11.17	11.15	11.10	11.12	11.10	11.10	11.05	11.08	11.12	11.12	10.96
MAX	11.30	11.60	11.39	11.45	11.41	11.60	11.36	11.57	11.37	11.46	11.40	11.32
MIN	10.69	10.77	10.86	10.71	10.80	10.74	10.87	10.82	10.83	10.83	10.72	10.74

CAL YR 1984 MEAN 11.15 MAX 11.65 MIN 10.69
WTR YR 1985 MEAN 11.09 MAX 11.60 MIN 10.69

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK, NEAR LA BELLE, FL
(National stream-quality accounting network station)

LOCATION.--Lat 26°47'22", long 81°18'11", in SW¼ sec.26, T.42 S., R.30 E., Glades County, Hydrologic Unit 03090205, near right bank, 500 ft upstream from Ortona Lock, 1.4 mi downstream from Long Hammock Creek, and 9.0 mi east of La Belle.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1948 to September 1950 (discharge measurements and gage heights), July 1971 to current year. Records of gage heights and discharge measurements can be found in the records of the Geological Survey.

REVISED RECORDS.--WDR FL-80-2A: 1979.

GAGE.--Water-stage recorders. Datum of gage is National Geodetic Vertical Datum of 1929. (Levels by U.S. Army Corps of Engineers).

REMARKS.--Records good, except those for estimated daily discharges, which are fair. Flow regulated by operation of control structures 77 and 78.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--14 years, 321 ft^3/s, 612,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 9,720 ft^3/s Aug. 8, 1974; maximum gage height, 12.80 ft June 26, 1974; no flow for a few days in some years; minimum gage height, 8.60 ft Nov. 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,440 ft^3/s Jan. 22; maximum gage height, 11.84 ft Nov. 22; minimum daily discharge, 4.5 ft^3/s June 5 and July 11; minimum gage height, 10.43 ft Jan. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	12	13	16	9.2	199	192	1520	128	e291	100	e480
2	1750	18	15	13	15	205	69	1530	17	e405	244	e961
3	1220	19	15	12	22	197	18	1120	10	e152	692	e483
4	864	96	15	6.3	20	67	22	20	6.8	e16	795	725
5	401	74	13	11	5.6	21	15	22	4.5	e55	737	1500
6	403	9.0	8.8	10	17	23	23	10	144	e162	301	1280
7	402	18	8.7	12	14	17	15	16	187	e24	183	1050
8	264	17	8.7	9.7	11	146	17	9.4	139	e6.3	245	500
9	147	15	15	9.6	12	200	14	51	23	8.0	955	687
10	401	23	12	14	23	122	20	192	9.5	7.0	761	780
11	186	14	11	7.3	16	16	14	198	9.1	4.5	467	437
12	14	13	11	214	8.7	19	84	199	98	9.2	787	211
13	108	9.0	8.1	458	10	20	131	192	439	504	788	524
14	128	12	9.1	142	5.4	129	15	192	939	402	717	780
15	9.7	150	17	14	15	194	1320	156	1160	183	e255	969
16	14	208	12	9.9	18	94	1510	19	759	43	e196	1150
17	114	193	9.1	11	15	14	1070	61	399	185	e195	1080
18	115	13	6.4	14	16	285	130	322	292	190	e196	1920
19	53	12	11	14	14	378	17	247	66	484	e179	2200
20	206	160	8.1	292	13	265	27	194	62	1220	e636	1780
21	195	131	11	1490	12	276	26	156	197	1320	e780	2030
22	65	837	12	3440	17	792	151	5.4	107	1330	e548	2080
23	10	2140	8.9	1260	16	672	193	21	148	1230	e638	1500
24	17	1410	6.3	11	18	382	192	273	e187	893	e1120	1190
25	113	491	6.2	12	18	222	192	818	e187	1250	e1440	780
26	85	346	7.9	14	12	14	200	1050	e188	424	e679	347
27	14	407	25	16	52	16	200	523	e187	883	e252	211
28	16	398	136	14	198	11	71	203	e336	1040	e1020	579
29	95	268	197	13	---	16	726	60	e279	574	e778	780
30	79	74	73	5.5	---	102	1880	262	e18	553	e179	483
31	11	---	15	12	---	204	---	405	---	171	e105	---
TOTAL	9669.7	7587.0	725.3	7577.3	622.9	5318	8554	10046.8	6725.9	14019.0	16968	29477
MEAN	312	253	23.4	244	22.2	172	285	324	224	452	547	983
MAX	2170	2140	197	3440	198	792	1880	1530	1160	1330	1440	2200
MIN	9.7	9.0	6.2	5.5	5.4	11	14	5.4	4.5	4.5	100	211
AC-FT	19180	15050	1440	15030	1240	10550	16970	19930	13340	27810	33660	58470

CAL YR 1984 TOTAL 590398.2 MEAN 1613 MAX 7080 MIN 6.2 AC-FT 1171000
WTR YR 1985 TOTAL 117290.9 MEAN 321 MAX 3440 MIN 4.5 AC-FT 232600

e Estimated

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK, NEAR LA BELLE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	WEATHER (WMO CODE NUMBER) (00041)	GAGE HEIGHT (FEET ABOVE DATUM) (00065)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT												
11...	1120	--	26.0	30.5	1028	80010	2	10.98	1.0	40.0	488	--
11...	1121	0.5	26.0	--	--	--	--	--	--	--	--	6.1
11...	1122	2.00	25.5	--	--	--	--	--	--	--	--	6.1
11...	1123	6.00	25.5	--	--	--	--	--	--	--	--	5.9
11...	1124	24.0	25.0	--	--	--	--	--	--	--	--	5.5
JAN												
14...	1415	--	--	24.0	1028	80010	3	11.30	2.5	36.0	659	--
14...	1416	0.5	14.0	--	--	--	--	--	--	--	--	8.7
14...	1417	2.00	14.0	--	--	--	--	--	--	--	--	8.3
14...	1418	6.00	13.5	--	--	--	--	--	--	--	--	8.2
14...	1419	16.0	13.5	--	--	--	--	--	--	--	--	7.8
APR												
09...	1000	--	24.0	25.5	1028	80010	3	11.17	1.5	42.0	640	10.6
09...	1001	0.5	24.0	--	--	--	--	--	--	--	--	10.6
09...	1002	2.00	24.5	--	--	--	--	--	--	--	--	10.3
09...	1003	6.00	24.0	--	--	--	--	--	--	--	--	9.8
09...	1005	24.0	22.5	--	--	--	--	--	--	--	--	5.2
JUL												
13...	1025	--	30.0	32.0	1028	80010	1	11.14	2.0	36.0	455	4.7
13...	1026	0.5	30.0	--	--	--	--	--	--	--	--	4.7
13...	1027	2.00	29.5	--	--	--	--	--	--	--	--	4.5
13...	1028	6.00	29.5	--	--	--	--	--	--	--	--	4.2
13...	1030	24.0	28.0	--	--	--	--	--	--	--	--	0.1
15...	1025	--	--	--	1028	80010	--	--	--	--	--	--

DATE	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT												
11...	7.60	7.70	5.4	112	0.12	1.1	1.1	0.45	0.14	0.14	0.17	60
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	7.40	8.30	9.2	120	0.03	--	1.6	1.10	0.13	0.15	0.12	69
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
09...	8.10	7.70	2.5	--	<0.01	--	0.8	<0.10	0.15	0.10	0.09	59
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	7.10	7.50	25	--	0.19	--	1.2	0.17	0.15	0.15	0.15	64
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	0.19	--	1.2	0.17	0.15	0.15	0.15	--

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK, NEAR LA BELLE, FL--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)
OCT												
11...	7.3	25	4.5	43	25	0.2	6.7	2	35	<0	2	<1
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	14	54	5.5	79	41	0.3	6.6	2	41	<0.5	1	1
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
09...	15	52	5.6	97	44	0.3	4.4	2	42	0.9	2	<1
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	7.7	29	6.3	48	18	0.2	8.3	2	27	0.6	6	1
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)
OCT												
11...	<3	2	200	3	4	<10	5	<1	440	<6	23	40
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	<3	5	59	10	2	<10	1	<1	830	<6	13	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
09...	<3	2	35	4	2	<10	1	<1	880	<6	8	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	<3	7	400	4	19	<10	5	<1	450	<6	65	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK, NEAR LA BELLE, FL--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT												
11...	40	13	<1	25	3	282	60	--	1.1	5	480	153
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	20	5	<1	8	12	421	33	--	0.6	3	659	187
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
09...	20	9	<1	M19	8	449	<1	--	0.5	3	660	163
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	20	5	<1	28	14	345	33	0.46	0.5	6	481	164
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	0.46	--	--	--	--

02292780 TOWNSEND CANAL NEAR ALVA, FL

LOCATION.--Lat 26°42'33", long 81°33'30", in SW¼ sec.30, T.43 S., R.28 E., Hydrologic Unit 03090205, on north side of bridge on State Highway 80, 3.2 mi east of Alva, 9 mi west of La Belle, and 9.6 mi east of Olga.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to current year.

GAGE.--Water-stage and electromagnetic velocity meter recorders. Prior to July 1983, deflection vane recorder at same site. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated by pump station upstream and control and gate structure downstream. Flow frequently reversed to supply water for agricultural purposes (negative figures indicate flow to the south). Discharge computed from continuous velocity record obtained from electromagnetic velocity meter.

AVERAGE DISCHARGE.--6 years (water year 1977-82), 5.81 ft^3/s, 4,210 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,670 ft^3/s June 19, 1982; maximum gage height, 9.98 ft June 9, 1983; maximum daily reverse flow, 1,000 ft^3/s Apr. 7, 1983; minimum gage height, 1.08 ft July 27, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 887 ft^3/s Nov. 22; maximum gage height, 7.53 ft Nov. 22; maximum daily reverse flow, 532 ft^3/s Apr. 22; minimum gage height, 1.84 ft Jan. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	---		---	-92	-285	-219	---	-153	22	47	545
2	-9.0	---		---	18	-131	-95	---	-21	---	57	385
3	-14	---		---	4.0	-61	25	---	11	90	195	176
4	-21	---		---	-174	-134	14	---	-149	---	162	86
5	-71	150		---	e330	-245	-26	---	-187	---	e73	165
6	-75	-13		---	---	-208	-52	16	-339	---	---	318
7	-101	-43		---	e-89	-246	-63	-33	-320	---	e85	73
8	-131	-125		---	6.0	-209	-292	-122	-209	59	e207	84
9	-185	33		-48	-9.0	-153	-348	-232	102	---	---	175
10	-157	55		-95	-13	-53	-348	-275	54	---	---	105
11	-130	27		-95	-38	-161	-214	-151	30	-104	---	7.0
12	-217	-92		-231	-55	-158	-206	-202	44	-118	---	-95
13	-153	-118		-258	-259	-128	-102	-211	68	137	---	-100
14	-114	-163		-107	-167	-203	-167	-216	313	62	---	-72
15	-147	-215		2.0	-84	-115	66	-168	151	237	---	50
16	-211	-232		-9.0	64	-56	28	-232	---	114	---	147
17	-204	-95		-126	86	-2.7	.00	-218	---	141	---	132
18	-209	-169		-194	28	-43	-26	-202	---	186	---	168
19	-201	-161		-321	-76	-29	-73	-190	---	178	10	303
20	-165	-156		-452	-99	-50	-278	-106	---	299	25	321
21	-157	237		-252	-165	-24	-367	33	---	549	26	338
22	-191	887		-319	-170	-275	-532	3.0	---	524	36	220
23	-122	727		-63	-84	.00	-426	7.1	---	635	71	237
24	-108	370		234	-123	.00	---	-18	---	282	271	33
25	-121	330		95	-142	.00	---	47	---	262	131	13
26	-111	129		25	-299	.00	---	20	---	160	50	5.1
27	-84	53		34	-276	-137	---	3.0	---	163	50	6.4
28	-13	147		-110	-281	-222	---	-166	---	169	56	5.1
29	215	81		-145	---	-250	---	-268	---	95	50	-26
30	---	78		-70	---	-299	---	-305	---	52	76	-233
31	---	---		-127	---	-253	---	-337	---	31	100	---
TOTAL	---	---		---	---	-4130.70	---	---	---	---	---	3571.6
MEAN	---	---		---	---	-133	---	---	---	---	---	119
MAX	---	---		---	---	.00	---	---	---	---	---	545
MIN	---	---		---	---	-299	---	---	---	---	---	-233
AC-FT	---	---		---	---	-8190	---	---	---	---	---	7080

e Estimated

02292780 TOWNSEND CANAL NEAR ALVA, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.06		---	3.33	2.55	3.06	3.72	3.30	3.61	3.45	5.50
2	3.04	2.96		---	3.48	3.04	3.34	3.31	3.49	3.34	3.49	5.27
3	3.34	3.14		---	3.44	3.38	3.57	3.12	3.56	3.96	4.26	4.96
4	3.29	3.26		3.19	3.13	3.34	3.42	3.30	3.29	3.37	4.08	4.00
5	3.00	4.12		3.21	e2.84	3.03	3.49	3.41	2.98	3.34	e3.47	4.21
6	3.30	3.28		2.99	---	3.00	3.52	3.45	2.52	3.44	---	4.72
7	3.05	3.30		2.92	e3.11	2.78	3.51	3.38	2.46	3.38	e3.57	3.45
8	2.92	3.06		3.00	3.22	2.76	3.18	3.21	2.89	3.80	---	3.55
9	2.64	3.36		3.19	3.27	3.12	3.12	2.83	3.91	3.22	---	4.17
10	3.04	3.46		3.10	3.36	3.45	3.05	2.56	3.62	3.25	---	3.65
11	3.14	3.52		3.01	3.38	3.22	3.10	2.90	3.29	3.06	---	3.10
12	2.75	3.46		2.35	3.43	3.04	3.13	2.94	3.30	3.04	---	3.05
13	2.82	3.24		2.54	3.01	2.95	3.44	2.94	3.53	3.80	---	3.02
14	3.16	3.11		3.29	2.99	2.60	3.46	2.99	4.54	3.36	3.78	3.05
15	3.14	2.86		3.49	3.01	2.81	4.09	3.17	4.19	4.21	3.36	3.42
16	2.89	2.81		3.41	3.41	3.20	3.38	2.90	4.26	3.71	3.39	4.00
17	2.76	3.12		3.36	3.60	3.39	3.25	2.66	4.25	3.90	3.39	3.98
18	2.82	3.10		3.21	3.49	3.50	3.38	2.69	3.39	4.02	3.39	4.31
19	2.70	2.97		2.65	3.46	3.51	3.22	3.02	4.22	4.35	3.42	4.84
20	2.87	2.92		1.98	3.45	3.46	3.09	3.20	3.96	4.77	3.29	4.86
21	3.05	4.33		2.84	3.35	3.48	2.89	3.33	3.92	5.57	3.46	4.92
22	3.00	6.44		2.40	3.24	4.79	2.70	3.46	4.13	5.47	3.37	4.41
23	3.06	6.00		3.58	3.30	3.62	2.67	3.18	4.18	5.77	3.50	4.39
24	3.08	5.05		4.38	3.26	3.40	2.82	3.31	3.66	4.69	4.54	3.16
25	2.94	4.90		3.76	3.22	3.54	2.54	3.49	3.69	4.59	3.89	2.93
26	3.10	3.82		3.34	2.84	3.52	2.82	3.41	3.72	4.04	3.26	2.91
27	3.23	3.34		3.45	2.62	3.41	3.24	3.23	3.51	4.16	3.44	2.91
28	3.53	4.09		3.34	2.54	3.21	3.23	3.04	3.46	4.14	3.39	2.93
29	4.58	3.51		3.30	---	3.02	3.19	2.63	3.34	3.71	3.35	2.80
30	3.28	3.52		3.40	---	2.79	3.73	2.45	3.16	3.47	3.53	2.45
31	3.15	---		3.33	---	2.90	---	2.66	---	3.26	3.73	---
MEAN	3.10	3.64		---	---	3.22	3.22	3.09	3.59	3.93	---	3.83
MAX	4.58	6.44		---	---	4.79	4.09	3.72	4.54	5.77	---	5.50
MIN	2.64	2.81		---	---	2.55	2.54	2.45	2.46	3.04	---	2.45

e Estimated

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

LOCATION.--Lat 26°43'25", long 81°41'55", in SW¼ sec.23, T.43 S., R.26 E., Lee County, Hydrologic Unit 03090205, in control house at southeast end of lock at salinity-control structure 79, 1 mi upstream from Telegraph Creek, and 1.2 mi northeast of Olga.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1964 to March 1966 (gage heights), April 1966 current year.

REVISED RECORD.--WDR FL-79-2A: 1978.

GAGE.--Dual water-stage recorder, gate-opening recorder, and gate-opening indicators. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by operation of salinity-control structure 79. Discharge computed from relations between discharge, head, and gate opening.

COOPERATION.--Records of gate and lock operation provided by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--19 years, 1,585 ft^3/s, 1,150,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 21,400 ft^3/s Mar. 27, 1970; maximum gage height, 5.42 ft June 18, 1982; no flow for some days in 1981, 1985; minimum gage height, 1.18 ft Sept. 22, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9,650 ft^3/s July 23; maximum gage height, 4.52 ft Sept. 1; no flow, Feb. 1, 2; minimum gage height, 2.60 ft July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3730	9.4	2090	19	.00	13	14	2890	19	1060	1060	5280
2	2980	8.5	1040	10	.00	16	14	2630	948	1010	1610	5140
3	1990	9.9	1040	7.7	399	26	162	1910	855	1510	2290	4590
4	2300	220	813	4.4	14	15	187	16	6.8	463	3200	4040
5	547	851	571	8.7	11	7.9	16	26	6.3	703	2950	5520
6	604	456	5.5	8.9	7.0	17	288	13	8.5	680	2170	7340
7	482	15	12	4.9	11	15	188	13	7.7	791	2470	5670
8	287	15	9.4	8.6	12	17	256	11	20	540	2650	4530
9	41	15	52	5.4	15	18	15	11	81	364	3060	3790
10	417	14	341	8.0	22	23	17	12	721	344	3200	3570
11	490	14	153	7.5	10	14	13	21	634	338	2870	2090
12	6.4	10	400	11	5.5	12	9.6	24	151	324	2880	1960
13	8.6	7.1	673	9.4	9.0	17	19	9.3	1760	2020	3120	2050
14	18	11	239	8.1	11	13	18	9.7	3050	1410	3620	2430
15	6.1	9.5	11	399	11	11	2520	11	2610	1380	2140	2760
16	4.9	12	191	8.0	15	14	2710	13	2020	1080	2250	3180
17	6.3	18	225	4.9	388	8.1	1520	9.4	1670	2040	2010	2810
18	9.4	19	2.8	5.8	243	621	538	17	1200	1600	1750	5110
19	8.7	10	12	12	15	891	103	20	879	2210	1600	5410
20	11	8.0	8.0	8.6	13	782	20	181	1310	3480	2170	4480
21	12	225	8.9	2040	13	1100	26	218	1290	3180	2220	5280
22	4.4	4620	11	4190	14	2230	11	335	1130	3980	1900	5140
23	7.3	5150	14	1400	20	2190	13	569	1520	9650	2080	3930
24	14	2870	6.9	539	22	475	6.3	431	1400	4000	3050	3410
25	12	2090	10	936	11	476	12	2030	981	3670	3460	2400
26	11	2060	9.8	304	14	22	12	2160	1260	2300	2510	1590
27	13	1560	10	20	13	14	18	1060	1040	2770	2110	1480
28	13	1280	14	7.0	17	11	21	210	945	3330	3040	1730
29	1780	1490	18	12	---	15	1570	7.9	1260	1810	2220	2410
30	538	242	19	8.6	---	19	3420	7.6	717	2240	1570	1490
31	8.8	---	20	10	---	19	---	9.6	---	1260	434	---
TOTAL	16360.9	23319.4	8030.3	10026.5	1335.50	9122.0	13736.9	14885.5	29500.3	61537	73664	110610
MEAN	528	777	259	323	47.7	294	458	480	983	1985	2376	3687
MAX	3730	5150	2090	4190	399	2230	3420	2890	3050	9650	3620	7340
MIN	4.4	7.1	2.8	4.4	.00	7.9	6.3	7.6	6.3	324	434	1480
AC-FT	32450	46250	15930	19890	2650	18090	27250	29530	58510	122100	146100	219400

CAL YR 1984 TOTAL 992328.60 MEAN 2711 MAX 11700 MIN 2.7 AC-FT 1968000
WTR YR 1985 TOTAL 372128.30 MEAN 1020 MAX 9650 MIN .00 AC-FT 738100

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1945 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	WEATHER (WMO CODE NUMBER) (00041)	GAGE HEIGHT (FEET ABOVE DATUM) (00065)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT												
11...	1440	0.5	28.0	31.5	1028	1028	1	3.18	--	36.0	--	515
11...	1441	2.00	28.0	--	--	--	--	--	--	--	--	--
11...	1442	6.00	27.5	--	--	--	--	--	--	--	--	--
11...	1443	16.0	26.0	--	--	--	--	--	--	--	--	--
JAN												
14...	1415	--	18.0	26.5	1028	1028	3	3.37	--	36.0	50	1080
APR												
09...	1240	0.5	25.0	25.5	1028	1028	3	3.20	--	33.0	--	730
09...	1241	2.00	25.0	--	--	--	--	--	--	--	--	--
09...	1242	6.00	25.0	--	--	--	--	--	--	--	--	--
09...	1243	14.0	25.0	--	--	--	--	--	--	--	--	--
JUL												
13...	1330	--	29.5	33.5	1028	1028	2	3.32	0.8	18.0	160	410

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT												
11...	6.8	7.90	--	2.8	116	--	0.04	--	0.01	--	--	1.2
11...	6.6	--	--	--	--	--	--	--	--	--	--	--
11...	6.4	--	--	--	--	--	--	--	--	--	--	--
11...	5.5	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	8.2	--	7.90	--	--	1.3	0.06	0.06	0.01	0.01	0.57	1.4
APR												
09...	10.4	8.00	--	--	--	--	--	--	--	--	--	--
09...	10.3	--	--	--	--	--	--	--	--	--	--	--
09...	10.1	--	--	--	--	--	--	--	--	--	--	--
09...	9.9	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	--	--	7.30	--	--	1.1	0.10	0.10	0.03	0.03	0.34	1.1

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT												
11...	--	--	0.33	--	0.12	0.09	18	--	--	--	--	50
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
14...	1.4	0.58	0.58	0.12	0.14	0.09	1.8	72	22	120	8.5	220
APR												
09...	--	--	--	--	--	--	--	--	--	--	--	110
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	1.2	0.37	0.37	0.20	0.20	0.16	--	17	7.1	20	4.4	37

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT												
11...	--	--	--	--	--	50	66	--	--	0	--	--
11...	--	--	--	--	--	--	--	--	--	0	--	--
11...	--	--	--	--	--	--	--	--	--	0	--	--
11...	--	--	--	--	--	--	--	--	--	0	--	--
JAN												
14...	64	0.5	6.6	--	890	25	91	688	0.08	0	1120	177
APR												
09...	--	--	--	--	--	16	15	--	--	0	--	--
09...	--	--	--	--	--	--	--	--	--	0	--	--
09...	--	--	--	--	--	--	--	--	--	0	--	--
09...	--	--	--	--	--	--	--	--	--	0	--	--
JUL												
13...	25	0.4	8.3	390	280	110	120	288	0.17	0	424	119

264437081550100 GATOR SLOUGH AT US 41, NEAR FT. MYERS, FL

LOCATION.--Lat 26°44'37", long 81°55'01", in SW¼ sec.9, T.43 S., R.24 E., Lee County, Hydrologic Unit 03100103, at upstream side of bridge on U.S. Highway 41, 6.3 mi north of Ft. Myers and about 11 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1973-84 (annual maximum gage heights only), June 1984 to current year. Prior to 1984, published as Gator Slough near Ft. Myers, FL.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65 ft^3/s July 21, 1984, gage height, 18.13 ft; no flow for many days.

EXTREMES FOR CURRENT PERIOD.--June to September 1984: Maximum discharge, 65 ft^3/s July 21, gage height, 18.13 ft; minimum discharge, 1.1 ft^3/s July 1, gage height, 15.36 ft.

Water Year 1985: Maximum discharge, 39 ft^3/s Aug. 23, gage height, 17.27 ft; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	1.3	25	5.9
2									---	1.8	33	5.2
3									---	2.1	23	5.6
4									---	2.2	20	5.7
5									---	10	30	9.6
6									---	46	34	9.8
7									---	44	29	9.2
8									---	36	20	8.0
9									---	25	13	7.2
10									---	16	10	6.4
11									---	12	7.2	5.7
12									---	7.6	8.9	5.3
13									---	12	10	4.9
14									---	29	12	4.5
15									---	29	12	4.2
16									---	39	11	7.8
17									---	41	10	21
18									---	32	9.8	23
19									---	26	9.2	22
20									---	39	8.3	19
21									---	61	8.0	16
22									---	57	7.1	14
23									---	48	7.7	12
24									---	45	10	10
25									---	38	10	11
26									---	33	8.3	13
27									---	32	7.1	12
28									---	25	7.9	10
29									1.8	22	8.2	9.5
30									1.4	21	8.4	11
31									---	21	7.7	---
TOTAL									---	854.0	425.8	308.5
MEAN									---	27.5	13.7	10.3
MAX									---	61	34	23
MIN									---	1.3	7.1	4.2
AC-FT									---	1690	845	612

264437081550100 GATOR SLOUGH AT US 41, NEAR FT. MYERS, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	1.3	.72	.27	.14	.01	.06	.02	.00	.74	7.1	20
2	12	1.1	.67	.30	.10	.00	.10	.03	.00	2.0	5.7	21
3	11	1.3	.72	.30	.10	.00	.10	.04	.00	2.0	5.0	19
4	9.9	1.6	.83	.30	.10	.00	.11	.05	.00	1.8	e4.0	19
5	8.4	1.7	.83	.24	.14	.00	.09	.03	.00	1.9	4.8	e30
6	7.9	1.5	.77	.22	.22	.00	.07	.00	.00	1.6	13	e40
7	7.7	1.3	.62	.20	.24	.00	.06	.00	.00	1.3	23	e40
8	7.5	1.1	.48	.19	.20	.00	.06	.00	.00	1.6	18	e35
9	7.1	1.0	.37	.21	.20	.00	.06	.00	.00	1.7	15	e30
10	6.6	.94	.30	.21	.20	.00	.04	.00	.00	1.4	12	e25
11	4.8	.94	.27	.22	.21	.00	.03	.00	.00	1.4	11	e20
12	3.3	.88	.27	.20	.23	.00	.03	.00	.00	1.9	10	e15
13	2.8	.77	.24	.18	.24	.00	.04	.00	.00	2.8	9.5	e10
14	2.5	.77	.24	.17	.22	.00	.04	.00	.00	3.7	10	e9.0
15	2.2	.67	.18	.13	.19	.00	.08	.00	.00	5.4	9.7	e8.0
16	2.2	.67	.12	.11	.13	.00	.05	.00	.00	7.0	11	e7.0
17	2.1	.62	.10	.16	.07	.00	.06	.00	.00	5.9	13	e6.0
18	2.0	.62	.08	.25	.06	.00	.05	.00	.00	6.1	19	e20
19	1.9	.57	.14	.25	.05	.00	.03	.00	.00	13	17	e40
20	1.8	.53	.18	.28	.04	.00	.02	.00	.00	15	13	e40
21	1.6	.62	.21	.28	.03	.06	.02	.00	.00	15	11	e35
22	2.0	.72	.24	.23	.03	.08	.02	.00	.05	14	17	e30
23	2.0	.77	.27	.17	.03	.13	.02	.00	.04	22	38	e20
24	1.8	.77	.24	.18	.03	.12	.02	.00	.02	21	35	e15
25	1.5	.72	.24	.18	.03	.09	.03	.00	.02	17	34	e10
26	1.5	.62	.24	.20	.02	.07	.03	.00	.02	18	29	e9.0
27	1.9	.53	.27	.17	.02	.06	.02	.00	.01	14	23	e8.0
28	2.0	.48	.27	.21	.02	.06	.02	.00	.04	11	18	e7.0
29	1.8	.40	.27	.26	---	.06	.03	.00	.12	8.4	14	e6.0
30	1.6	.33	.30	.27	---	.06	.03	.00	.06	6.9	12	e5.0
31	1.4	---	.27	.19	---	.06	---	.00	---	6.3	15	---
TOTAL	134.8	25.84	10.95	6.73	3.29	.86	1.42	.17	.38	231.84	476.8	599.0
MEAN	4.35	.86	.35	.22	.12	.028	.047	.005	.013	7.48	15.4	20.0
MAX	12	1.7	.83	.30	.24	.13	.11	.05	.12	22	38	40
MIN	1.4	.33	.08	.11	.02	.00	.02	.00	.00	.74	4.0	5.0
AC-FT	267	51	22	13	6.5	1.7	2.8	.3	.8	460	946	1190

WTR YR 1985 TOTAL 1492.08 MEAN 4.09 MAX 40 MIN .00 AC-FT 2960

e Estimated

264437081550100 GATOR SLOUGH AT US 41, NEAR FT MYERS, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	15.38	16.78	15.80
2									---	15.45	17.06	15.74
3									---	15.48	16.71	15.77
4									---	15.50	16.57	15.78
5									---	15.96	17.01	16.07
6									---	17.53	17.87	16.08
7									---	17.48	17.64	16.04
8									---	17.17	17.24	15.96
9									---	16.78	16.80	15.90
10									---	16.41	16.70	15.84
11									---	16.19	16.50	15.78
12									---	15.97	16.62	15.75
13									---	16.14	16.72	15.71
14									---	16.90	16.83	15.68
15									---	16.92	16.57	15.65
16									---	17.28	16.37	15.89
17									---	17.37	16.25	16.55
18									---	17.00	16.17	16.65
19									---	16.81	16.06	16.58
20									---	17.27	15.99	16.42
21									---	18.01	15.96	16.26
22									---	17.90	15.89	16.18
23									---	17.61	15.94	16.07
24									---	17.50	16.13	15.97
25									---	17.23	16.12	15.98
26									---	17.07	15.98	16.07
27									---	17.00	15.89	16.00
28									---	16.78	15.95	15.91
29									15.45	16.66	15.97	15.87
30									15.40	16.61	15.99	15.98
31									---	16.62	15.94	---
MEAN									---	16.77	16.46	16.00
MAX									---	18.01	17.87	16.65
MIN									---	15.38	15.89	15.65

264437081550100 GATOR SLOUGH AT US 41, NEAR FT MYERS, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.06	15.22	15.04	14.97	14.91	14.81	14.81	14.80	14.11	14.99	15.72	16.48
2	16.03	15.20	15.03	14.98	14.89	14.80	14.84	14.82	14.09	15.17	15.61	16.54
3	15.96	15.23	15.04	14.98	14.89	14.80	14.85	14.84	14.08	15.18	15.55	16.43
4	15.90	15.25	15.06	14.98	14.89	14.80	14.85	14.84	14.07	15.16	---	16.44
5	15.80	15.27	15.06	14.96	14.91	14.80	14.85	14.81	14.06	15.17	15.53	---
6	15.76	15.24	15.05	14.95	14.94	14.81	14.83	14.78	14.05	15.14	16.06	---
7	15.75	15.20	15.02	14.95	14.95	14.80	14.82	14.78	14.04	15.09	16.61	---
8	15.73	15.18	15.00	14.94	14.94	14.79	14.82	14.78	14.04	15.12	16.40	---
9	15.70	15.16	14.97	14.95	14.94	14.79	14.81	14.77	14.19	15.14	16.21	---
10	15.66	15.15	14.95	14.95	14.94	14.79	14.79	14.73	14.30	15.11	16.05	---
11	15.51	15.14	14.94	14.95	14.94	14.79	14.78	14.72	14.31	15.11	15.99	---
12	15.37	15.13	14.94	14.95	14.95	14.79	14.78	14.71	14.63	15.16	15.94	---
13	15.32	15.11	14.93	14.94	14.96	14.79	14.79	14.70	14.65	15.26	15.88	---
14	15.30	15.10	14.93	14.94	14.95	14.79	14.79	14.68	14.69	15.35	15.92	---
15	15.27	15.08	14.91	14.91	14.94	14.77	14.84	14.65	14.69	15.51	15.90	---
16	15.26	15.08	14.89	14.90	14.91	14.77	14.84	14.63	14.70	15.63	15.98	---
17	15.25	15.07	14.88	14.93	14.88	14.77	14.85	14.59	14.70	15.55	16.09	---
18	15.24	15.06	14.87	14.96	14.86	14.77	14.84	14.54	14.70	15.56	16.41	---
19	15.23	15.05	14.90	14.96	14.85	14.77	14.82	14.49	14.70	16.10	16.33	---
20	15.22	15.04	14.92	14.97	14.84	14.77	14.81	14.44	14.69	16.20	16.12	---
21	15.20	15.05	14.93	14.96	14.83	14.81	14.81	14.38	14.69	16.21	15.97	---
22	15.24	15.07	14.94	14.95	14.83	14.84	14.81	14.34	14.75	16.16	16.29	---
23	15.24	15.08	14.95	14.93	14.83	14.86	14.81	14.29	14.83	16.57	17.22	---
24	15.22	15.07	14.95	14.93	14.83	14.86	14.81	14.25	14.80	16.52	17.12	---
25	15.18	15.06	14.95	14.93	14.83	14.84	14.82	14.22	14.80	16.32	17.08	---
26	15.18	15.04	14.95	14.94	14.82	14.83	14.82	14.21	14.80	16.40	16.88	---
27	15.25	15.02	14.96	14.93	14.82	14.82	14.81	14.22	14.79	16.19	16.63	---
28	15.31	15.00	14.96	14.93	14.82	14.82	14.81	14.19	14.84	15.98	16.38	---
29	15.29	14.98	14.96	14.96	---	14.81	14.82	14.16	14.90	15.82	16.17	---
30	15.26	14.96	14.97	14.96	---	14.81	14.82	14.13	14.86	15.71	16.05	15.69
31	15.24	---	14.97	14.93	---	14.81	---	14.11	---	15.66	16.20	---
MEAN	15.45	15.11	14.96	14.95	14.89	14.80	14.82	14.54	14.52	15.62	---	---
MAX	16.06	15.27	15.06	14.98	14.96	14.86	14.85	14.84	14.90	16.57	---	---
MIN	15.18	14.96	14.87	14.90	14.82	14.77	14.78	14.11	14.04	14.99	---	---

264139082022100 GATOR SLOUGH AT SR 765, NEAR FT. MYERS, FL

LOCATION.--Lat 26°41'39", long 82°02'01" in NW¼ sec. 32 T.43.S., R.23E., Lee County, Hydrologic Unit 03100103, 100 ft upstream from bridge on State Highway 765 (Burnt Store Road) in Cape Coral, 2.7 mi upstream from mouth and 12 mi northwest of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1973-83 (annual maximum gage heights, only), May 1984 to current year. Prior to 1984, published as "near Pine Island".

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 458 ft^3/s Aug. 31, 1985, gage height 3.68 ft; no flow many days.

EXTREMES FOR CURRENT PERIOD.--May to September, 1984: Maximum discharge, 303 ft^3/s July 7, gage height 3.30 ft; minimum, 16 ft^3/s May 15, gage height, 2.61 ft.

Water year 1985: Maximum discharge, 458 ft^3/s Aug. 31, gage height, 3.68 ft; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	54	77	137	51
2								---	51	79	153	51
3								---	46	79	153	48
4								---	42	90	149	48
5								---	39	98	153	48
6								---	35	184	186	48
7								---	33	243	191	48
8								21	31	290	174	48
9								32	29	241	161	42
10								29	53	193	137	39
11								24	47	168	129	39
12								21	39	168	114	37
13								19	39	150	107	37
14								18	60	230	103	34
15								17	111	226	103	37
16								17	140	193	92	51
17								22	156	187	82	66
18								21	204	180	72	79
19								20	236	163	69	89
20								19	204	168	63	82
21								20	187	204	63	72
22								20	154	216	63	66
23								19	132	258	66	56
24								18	120	230	107	54
25								19	112	210	118	48
26								31	104	222	114	45
27								33	100	231	96	48
28								28	94	195	79	48
29								36	85	178	75	45
30								86	80	157	56	48
31								66	---	137	54	---
TOTAL								---	2817	5645	3419	1552
MEAN								---	93.9	182	110	51.7
MAX								---	236	290	191	89
MIN								---	29	77	54	34
AC-FT								---	5590	11200	6780	3080

264139082022100 GATOR SLOUGH AT SR 765, NEAR FT. MYERS, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	22	e10	8.2	4.2	2.4	1.4	.32	.00	.50	33	89
2	51	22	e10	8.2	4.3	2.4	2.3	.00	.00	.50	32	66
3	48	e25	e10	11	3.7	2.4	1.8	.00	.00	1.5	29	64
4	45	e30	e10	9.7	3.7	2.4	.75	.00	.00	3.7	27	59
5	42	e35	9.9	9.1	3.7	2.4	.08	.00	.00	3.7	27	111
6	39	e30	9.9	8.2	4.5	1.9	.00	.00	.00	3.7	31	148
7	39	e25	9.9	8.2	7.8	2.6	.00	.00	.00	3.7	70	149
8	39	e20	9.9	8.2	4.8	2.4	.00	.00	.00	3.7	79	134
9	39	e20	9.9	8.2	3.8	2.4	.12	.00	.00	3.7	71	116
10	39	e20	8.2	8.2	3.7	2.4	.00	.00	.00	3.7	63	93
11	37	e20	8.2	8.2	5.0	2.4	.10	.00	.00	7.5	60	76
12	37	e20	8.2	6.5	3.4	2.4	.79	.00	.00	41	56	67
13	37	e15	8.2	6.5	3.7	3.4	.50	.00	.00	68	47	57
14	37	e15	8.2	6.5	3.7	3.7	.00	.00	.00	55	42	51
15	37	e15	8.2	6.5	3.7	3.7	.32	.00	.00	46	41	43
16	37	e15	8.2	6.5	3.7	3.7	.50	.00	.00	41	41	40
17	37	e15	8.2	6.2	3.7	2.3	.50	.00	.00	37	45	38
18	37	e10	8.2	8.2	4.5	3.6	.50	.00	.00	37	45	183
19	37	e10	8.2	8.2	5.0	3.7	.50	.00	.00	37	45	286
20	37	e10	8.2	7.3	5.0	2.9	.50	.00	.00	39	45	262
21	47	e15	8.2	6.0	4.2	6.5	.50	.00	.00	39	43	231
22	60	e15	8.2	5.0	2.4	8.1	.50	.00	.11	44	40	177
23	42	e15	6.5	5.0	2.4	5.1	.50	.00	.72	83	56	136
24	29	e15	6.5	5.0	2.4	3.7	.50	.00	.92	88	102	106
25	27	e15	6.5	5.0	2.4	2.3	.39	.00	.00	79	132	90
26	24	e10	5.0	5.3	2.4	1.2	.00	.00	.00	64	115	78
27	24	e10	6.5	4.8	2.4	1.0	.00	.00	1.6	58	91	72
28	24	e10	6.5	4.4	2.4	.97	.00	.00	2.5	53	76	65
29	24	e10	6.5	3.7	---	1.4	.00	.00	1.0	44	64	59
30	24	e10	8.2	4.1	---	1.4	.28	.00	.50	41	57	52
31	24	---	8.2	4.1	---	1.4	---	.00	---	37	154	---
TOTAL	1151	519	256.5	210.2	106.6	88.57	13.33	.32	7.35	1066.90	1859	3198
MEAN	37.1	17.3	8.27	6.78	3.81	2.86	.44	.010	.25	34.4	60.0	107
MAX	60	35	10	11	7.8	8.1	2.3	.32	2.5	88	154	286
MIN	24	10	5.0	3.7	2.4	.97	.00	.00	.00	.50	27	38
AC-FT	2280	1030	509	417	211	176	26	.6	15	2120	3690	6340

WTR YR 1985 TOTAL 8476.77 MEAN 23.2 MAX 286 MIN .00 AC-FT 16810

e Estimated

264139082022100 GATOR SLOUGH AT SR 765, NEAR FT. MYERS, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	2.76	2.76	2.98	2.72
2								---	2.75	2.77	3.03	2.72
3								---	2.73	2.77	3.04	2.71
4								---	2.72	2.80	3.03	2.71
5								---	2.71	2.82	3.05	2.71
6								---	2.69	3.04	3.14	2.71
7								---	2.68	3.17	3.15	2.71
8								2.64	2.68	3.28	3.12	2.71
9								2.68	2.67	3.18	3.09	2.70
10								2.67	2.76	3.08	3.04	2.69
11								2.65	2.74	3.02	3.03	2.69
12								2.64	2.71	3.02	2.99	2.68
13								2.63	2.71	2.97	2.98	2.68
14								2.62	2.77	3.16	2.97	2.67
15								2.62	2.91	3.15	2.97	2.68
16								2.62	2.97	3.08	2.94	2.73
17								2.64	3.00	3.06	2.91	2.78
18								2.64	3.10	3.04	2.88	2.82
19								2.63	3.16	3.00	2.87	2.85
20								2.63	3.09	3.02	2.85	2.83
21								2.63	3.05	3.10	2.85	2.80
22								2.63	2.97	3.13	2.85	2.78
23								2.63	2.92	3.22	2.86	2.75
24								2.62	2.88	3.16	2.98	2.73
25								2.63	2.86	3.11	3.01	2.71
26								2.68	2.84	3.15	3.00	2.70
27								2.68	2.83	3.17	2.95	2.71
28								2.67	2.82	3.10	2.90	2.71
29								2.70	2.79	3.06	2.83	2.70
30								2.86	2.77	3.02	2.74	2.71
31								2.80	---	2.98	2.73	---
MEAN								---	2.83	3.04	2.96	2.73
MAX								---	3.16	3.28	3.15	2.85
MIN								---	2.67	2.76	2.73	2.67

264139082022100 GATOR SLOUGH AT SR 765, NEAR FT. MYERS, FL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	2.64	---	2.54	2.53	2.52	2.54	2.52	2.48	2.53	2.70	2.89
2	2.72	2.64	---	2.54	2.53	2.52	2.55	2.50	2.48	2.53	2.70	2.82
3	2.71	---	---	2.55	2.53	2.52	2.54	2.50	2.48	2.54	2.69	2.81
4	2.70	---	---	2.55	2.53	2.52	2.53	2.50	2.46	2.56	2.68	2.80
5	2.69	---	2.57	2.54	2.53	2.52	2.52	2.50	2.46	2.56	2.68	2.95
6	2.68	---	2.57	2.54	2.54	2.51	2.52	2.49	2.45	2.56	2.70	3.05
7	2.68	---	2.57	2.54	2.56	2.52	2.52	2.49	2.45	2.56	2.83	3.05
8	2.68	---	2.57	2.54	2.54	2.52	2.52	2.49	2.44	2.56	2.86	3.01
9	2.68	---	2.57	2.54	2.53	2.52	2.52	2.49	2.44	2.56	2.84	2.97
10	2.68	---	2.56	2.54	2.53	2.52	2.52	2.49	2.45	2.56	2.81	2.90
11	2.67	---	2.56	2.54	2.54	2.52	2.52	2.50	2.44	2.58	2.80	2.85
12	2.67	---	2.55	2.54	2.53	2.52	2.53	2.52	2.43	2.72	2.79	2.82
13	2.67	---	2.55	2.54	2.53	2.53	2.52	2.52	2.44	2.82	2.76	2.79
14	2.67	---	2.55	2.54	2.53	2.53	2.51	2.52	2.50	2.78	2.74	2.77
15	2.67	---	2.55	2.54	2.53	2.53	2.52	2.50	2.51	2.75	2.74	2.74
16	2.67	---	2.55	2.54	2.53	2.53	2.53	2.49	2.51	2.73	2.74	2.73
17	2.67	---	2.55	2.54	2.53	2.52	2.53	2.49	2.51	2.72	2.75	2.73
18	2.67	---	2.55	2.55	2.54	2.53	2.53	2.49	2.49	2.72	2.75	3.10
19	2.67	---	2.55	2.55	2.54	2.53	2.53	2.49	2.49	2.72	2.75	3.33
20	2.67	---	2.55	2.54	2.54	2.52	2.53	2.49	2.49	2.73	2.75	3.28
21	2.71	---	2.55	2.54	2.53	2.56	2.53	2.49	2.49	2.73	2.74	3.21
22	2.78	---	2.55	2.53	2.52	2.59	2.53	2.49	2.50	2.75	2.73	3.09
23	2.72	---	2.54	2.53	2.52	2.57	2.53	2.49	2.53	2.87	2.79	2.99
24	2.67	---	2.54	2.53	2.52	2.56	2.53	2.49	2.53	2.89	2.93	2.91
25	2.66	---	2.54	2.53	2.52	2.55	2.53	2.49	2.52	2.86	3.01	2.86
26	2.65	---	2.53	2.53	2.52	2.54	2.52	2.49	2.52	2.81	2.96	2.83
27	2.65	---	2.53	2.53	2.52	2.54	2.51	2.49	2.54	2.79	2.90	2.81
28	2.65	---	2.53	2.53	2.52	2.54	2.51	2.49	2.55	2.78	2.85	2.79
29	2.65	---	2.53	2.53	---	2.54	2.51	2.49	2.54	2.75	2.81	2.77
30	2.65	---	2.54	2.53	---	2.54	2.52	2.49	2.53	2.74	2.79	2.74
31	2.65	---	2.54	2.53	---	2.54	---	2.48	---	2.72	3.02	---
MEAN	2.68	---	---	2.54	2.53	2.53	2.53	2.50	2.49	2.69	2.79	2.91
MAX	2.78	---	---	2.55	2.56	2.59	2.55	2.52	2.55	2.89	3.02	3.33
MIN	2.65	---	---	2.53	2.52	2.51	2.51	2.48	2.43	2.53	2.68	2.73

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 station. 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 analysis, depending on the type of data collected. Im addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in a table of annual maximum stage and discharge. Discharge measurements made at miscellaneous sites for both low flows and high flows are given in a second table.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occuring 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 compari- son 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 station during the water year 1985

Station number	Station name	Location	Drainage area (sq mi)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Discharge (cfs)
02277060	Danforth Creek	Lat 27°09'52", long 80°17'02", in SW¼ sec.18, T.33 S., R.41 E., Martin County, Hydrologic Unit 03090202, on right downstream headwall of dual concrete 9'x9' box culvert on State Highway 714, 1.0 mile west of Palm City, 1.2 mi east of Stuart exchange on Sunshine State Parkway, 1.5 mi upstream from mouth, and 3.0 mi southwest of Stuart. Datum of top of rod seat is 9.07 ft NGVD.	6.6	1983-85	11-24-84	10.94	139

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1985

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
02292730	Jacks Branch near La Belle, FL	Lat 26°49'40", long 81°33'03", in NE¼, sec.18, T.42 S., R.28 E., Glades County, Hydrologic Unit 03090205, at bridge on State Highway 720, 11.8 mi northwest of La Belle. Datum of gage is National Geodetic Vertical Datum of 1929.		1983-85	09-05-85	360

The following table contains the annual maximum stream elevation at selected gaging stations in several river basins during the water year 1985.

These stations are equipped with a crest-stage which records the peak stage occuring between inspections of the gage.

Annual maximum flood-profile data during the water year 1985

Station number	Station name	Location	Miles above mouth	Drainage area (sq mi)	Period of record (calendar years)	Annual Maximum Date	Annual Maximum Elevation (feet)
		Big Cypress Swamp and Southwestern coastal area					
261952 081454700	Oak Creek at Bonita Springs, FL	Lat 26°19'52", long 81°45'47", in NW¼ sec.1, T.48 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on Imperial Street, 1.2 mi southeast of Bonita Springs, and 2.5 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	8.82
262032 081464500	Imperial River at Bonita Springs, FL	Lat 26°20'32", long 81°46'45", in NE¼ sec.35, T.47 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on U.S. Highway 41 at Bonita Springs, 5.20 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	07-29-85	3.96
262604 81481900	Estero River near Estero, FL	Lat 26°26'04", long 81°48'19", in NE¼ sec.33, T.46 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on Sandy Lane, 1/2 mi north of Corkscrew Road, 1 mi southeast of Estero, and 3.3 mi from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	4.12
262957 081511400	Tenmile Canal near Estero, FL	Lat 26°29'57", long 81°51'14", in SW¼ sec.6, T.46 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on U.S. Highway 41, 1.90 mi upstream from mouth, and 5.4 mi north of Estero. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	4.81
263113 081525900	Hendry Creek at St. Hwy 865 near Ft. Myers, FL	Lat 26°31'13", long 81°52'59", in NW¼ sec.35, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090204, at bridge on Gladiolus Drive, 5.19 mi upstream from mouth, and 8.8 mi south of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	07-29-85	3.73
263201 081542200	Hendry Creek near Ft. Myers, FL	Lat 26°32'01", long 81°54'22", in NE¼ sec.28, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090204, at bridge on Winkler Road, 7.11 mi upstream from mouth, and 8.5 mi south of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	07-29-85	3.88
263247 081500400	Sixmile Cypress Creek near Ft. Myers Villas, FL	Lat 26°32'47", long 81°50'04", in SW¼ sec.20, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090204, at bridge on Daniels Road, 1.2 mi west of Ft. Myers Villas, above confluence with Tenmile canal, and 6.5 mi southeast of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	16.40

Annual maximum flood-profile data during the water year 1985

Station number	Station name	Location	Miles above mouth	Drainage area (sq mi)	Period of record (calendar years)	Annual Maximum Date	Annual Maximum Elevation (feet)
		Big Cypress Swamp and Southwestern coastal area--Continued					
263247 081512000	Tenmile Canal near Ft. Myers Villas, FL	Lat 26°32'47", long 81°51'20", in NW¼ sec. 19, T.45 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on Daniels Road, 1.3 mi southwest of Ft. Myers Villas, and 5.20 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	14.84
263719 08151200	Tenmile Canal near Ft. Myers, FL	Lat 26°37'19", long 81°51'20", in NE¼ sec.25, T.44 S., R.24 E., Lee County, Hydrologic Unit 03090204, at railroad bridge, 100 ft south of Ranson Street in Ft. Myers, and 10.4 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	14.56
263736 081464301	Sixmile Cypress Creek near Ft. Myers, FL	Lat 26°37'36", long 81°46'43", in NE¼ sec.26, T.44 S., R.25 E., Lee County, Hydrologic Unit 03090204, at bridge on State Highway 82, 5.6 mi east of Ft. Myers, and 10 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	20.58
		Caloosahatchee River					
263239 081534500	Wyonia Creek near Ft. Myers, FL	Lat 26°32'39", long 81°53'45", in SW¼ sec.22, T.45 S., R.24 E., Lee County, Hydrologic Unit 03080101, at bridge on Cypress Lake Drive, 2.62 mi upstream from mouth, and 7.0 mi south of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	5.66
263428 081533400	Whiskey Creek near Ft. Myers, FL	Lat 26°34'28", long 81°53'34", in SW¼ sec.10, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on Whiskey Creek Drive, 0.29 mi upstream from mouth, and 5.1 mi south of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	5.28
263543 081522500	Whiskey Creek at Ft. Myers, FL	Lat 26°35'43", long 81°52'25", in NE¼ sec.2, T.45 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on Colonial Blvd., 2.93 mi upstream from mouth, and 3.6 mi south of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	12.73
263904 081512500	Billy Creek at Ft. Myers, FL	Lat 26°35'04", long 81°51'25", in NE¼, sec.13, T.44 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 80, 0.09 mi upstream from mouth, and 1 mi east of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-16-85	4.41

Annual maximum flood-profile data during the water year 1985

Station number	Station name	Location	Miles above mouth	Drainage area (sq mi)	Period of record (calendar years)	Annual Maximum Date	Annual Maximum Elevation (feet)
		Caloosahatchee River--Continued					
263953 081484600	Billy Creek at Tice, FL	Lat 26°39'53", long 81°48'46", in SE¼ sec.9, T.44 S., R.25 E., Lee County, Hydrologic Unit 03090205, at culvert on Ortiz Avenue, 3.45 mi upstream from mouth in Tice, FL. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	11.00
264054 081524000	Powell Creek at North Ft. Myers, FL	Lat 26°40'54", long 81°52'40", in SE¼ sec.35, T.43 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78, 1.53 mi upstream from mouth, and 3.0 mi north of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1974-85	09-16-85	4.28
264054 081544000	Yellow Fever Creek at North Ft. Myers, FL	Lat 26°40'54", long 81°54'40", in NE¼ sec.4, T.44 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78, 0.71 mi west of North Ft. Myers, 3.13 mi upstream from mouth, and 4.0 mi northwest of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	09-20-85	3.63
264115 081473200	Orange River near Tice, FL	Lat 26°41'15", long 81°47'32", in SW¼ sec.35, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 80 at Tice, 0.85 mi upstream from mouth, and 5.6 mi east of Fort Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-16-85	4.14
264147 081551200	Yellow Fever near North Ft. Myers, FL	Lat 26°41'47", long 81°55'12", in NW¼ sec.33, T.43 S., R.24 E., Lee County, Hydrologic Unit 03090205, at bridge on Corbett Road, 1.20 mi northwest of North Ft. Myers, 4.45 mi upstream from mouth, and 5.5 mi northwest of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	7.72
264214 081504201	Daughtrey Creek at Ft. Myers, FL	Lat 26°42'14", long 81°50'42", in SE¼ sec.30, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78, 1.69 mi upstream from mouth, and 4.3 mi north of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	09-16-85	4.65
264230 081355800	Bedman Creek at Alva, FL	Lat 26°42'30", long 81°35'58", in SW¼ sec.25, T.43 S., R.26 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 80 at Alva, and 0.44 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	08-21-85	5.17

Annual maximum flood-profile data during the water year 1985

Station number	Station name	Location	Miles above mouth	Drainage area (sq mi)	Period of record (calendar years)	Annual Maximum Date	Annual Maximum Elevation (feet)
		Caloosahatchee River--Continued					
264253 081402200	Hickey Creek near Olga, FL	Lat 26°42'53", long 81°40'22", in NW¼ sec.25, T.43S., R.27 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 80, 0.31 mi upstream from mouth, and 2.5 mi east of Olga. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-16-85	4.43
264253 081483200	Popash Creek at Bayshore, FL	Lat 26°42'53", long 81°40'32", in SW¼ sec.22, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78, 0.9 mi east of Bayshore, 1.4 mi upstream from mouth, and 6.1 mi northeast of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	09-16-85	3.48
264349 081420600	Telegraph Creek near Olga, FL	Lat 26°43'49", long 81°42'06", in SE¼ sec.15, T.43 S., R.26 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78, 0.60 mi upstream from mouth, and 1.1 mi northeast of Olga. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	07-30-85	4.07
264253 081494400	Caloosahatchee River tributary at Bayshore, FL	Lat 26°42'53", long 81°49'20", in SW¼ sec.21, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on State Highway 78 at Bayshore, 1.36 mi upstream from mouth, and 5.6 mi north of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	08-21-85	6.57
264518 081500500	Caloosahatchee River tributary near Bayshore, FL	Lat 26°45'18", long 81°50'05", in SW¼ sec.5, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at culvert on Nalle Grande Road, 4.5 mi upstream from mouth, and 8.2 mi northeast of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-16-85	23.78
264518 081510500	Daughtrey Creek near Bayshore Manor, FL	Lat 26°45'18", long 81°51'05", in NW¼ sec.6, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on Nalle Grande, Road, 7.55 mi upstream from mouth, and 8.0 mi northeast of Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1972-85	09-16-85	21.54
264519 081483400	Popash Creek near Bayshore, FL	Lat 26°45'19", long 81°48'34", in SE¼ sec.3, T.43 S., R.25 E., Lee County, Hydrologic Unit 03090205, at bridge on Nalle Grande Road, 3.6 mi north of Bayshore, 4.71 mi upstream from mouth, and 7.5 mi northeast of North Ft. Myers. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-20-85	22.67

Annual maximum flood-profile data during the water year 1985

Station number	Station name	Location	Miles above mouth	Drainage area (sq mi)	Period of record (calendar years)	Annual Maximum Date	Annual Maximum Elevation (feet)
		Caloosahatchee River--Continued					
02293050	Orange River at Buckingham, near Fort Myers, FL	Lat 26°40'12", long 81°43'56", in NE¼, sec.8, T.44 S., R.26 E., Lee County, Hydrologic Unit 03090205, at bridge on Buckingham Road, 0.3 mi south of Buckingham, 2.5 mi upstream from mouth, and 9 mi east of Fort Myers. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1978 at datum 2.61 ft higher.			1960-85	09-16-85	4.60
		Charlotte Harbor and coastal area					
264130 082022100	Gator Slough near Pine Island, FL	Lat 26°41'39", long 82°02'21", in NW¼ sec.32, T.43 S., R.23 E., Lee County, Hydrologic Unit 03100103, at bridge on State Highway 765, 2.7 mi upstream from mouth, and 7.5 mi northeast of Pine Island. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-19-85	3.33
264437 081550100	Gator Slough near Ft. Myers, FL	Lat 26°44'37", long 81°55'01", in SW¼ sec.9, T.43 S., R.24 E., Lee County, Hydrologic Unit 03100103, at bridge on State Highway 41, 6.3 mi north of Ft. Myers, and 11 mi approximately, upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929.			1973-85	09-16-85	17.83

Water-quality partial-record stations are particular sites where chemical-quality, biological and/or sediment data are collected systematically over a period of years for use in hydrologic analyses. These data are collected usually less than quarterly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM DISSOLVED (MG/L AS MG (00925)	SODIUM, DISSOLVED (MG/L AS NA (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
02266296 - 10B LATERAL 410 BELOW S-410 NEAR VINELAND, FL									
OCT 18...	1125	74	5.10	560	.80	5.2	2.2	5.8	1.8

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
02266196 - 10B LATERAL 410 BELOW S-410 NEAR VINELAND, FL								
OCT 18...	5.0	4.8	17	.020	.33	.070	1.4	.100

DATE	TIME	TEMPERATURE (DEG C) (00010)	TEMPERATURE, AIR (DEG C) (00020)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)											
DEC 1984 11...	1200	21.0	25.0	1028	80010	2.0	40	600	7.50	7.70	14
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)											
DEC 1984 11...	1300	21.0	25.5	1028	80010	1.0	40	610	7.50	7.60	15

DATE	ALKALINITY WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)											
DEC 1984 11...	230	96	5.3	29	4.0	46	39	0.3	5.4	2	<100
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)											
DEC 1984 11...	253	94	5.5	31	4.0	49	36	0.3	4.5	2	<100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	PER-THANE TOTAL (UG/L) (39034)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)											
DEC 1984 11...	<1	<10	12	110	9	<10	<1	980	<10	<1	<0.1
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)											
DEC 1984 11...	<1	<10	7	90	2	<10	<1	1000	<10	<1	<0.1

DATE	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)											
DEC 1984 11...	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)											
DEC 1984 11...	<0.1	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	TOX-APHENE, TOTAL (UG/L) (39400)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA-THION, TOTAL (UG/L) (39530)	PARA-THION, TOTAL (UG/L) (39540)	DI-AZINON, TOTAL (UG/L) (39570)	METHYL PARA-THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)											
DEC 1984 11...	<1	<0.01	<0.01	<0.01	<0.1	<0.01	0.02	0.02	<0.01	0.03	<0.01
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)											
DEC 1984 11...	<1	<0.01	<0.01	<0.01	<0.1	<0.01	0.01	0.01	<0.01	0.02	<0.01

DATE	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI-THION (UG/L) (39786)	METHYL TRI-THION, TOTAL (UG/L) (39790)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	2, 4-DP TOTAL (UG/L) (82183)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
262038080074600 E-3 CANAL AT CAMINO REAL AT BOCA RATON FLA (LAT 26 20 38N LONG 080 07 46W)										
DEC 1984 11...	<0.01	<0.01	<0.01	<0.01	370	<0.1	<0.01	40.0	610	224
262205080074700 E-3 CA AT GLADES RD IN BOCA RATON FLA (LAT 26 22 05N LONG 080 07 47W)										
DEC 1984 11...	<0.01	<0.01	<0.01	<0.01	393	<0.1	<0.01	40.0	615	223