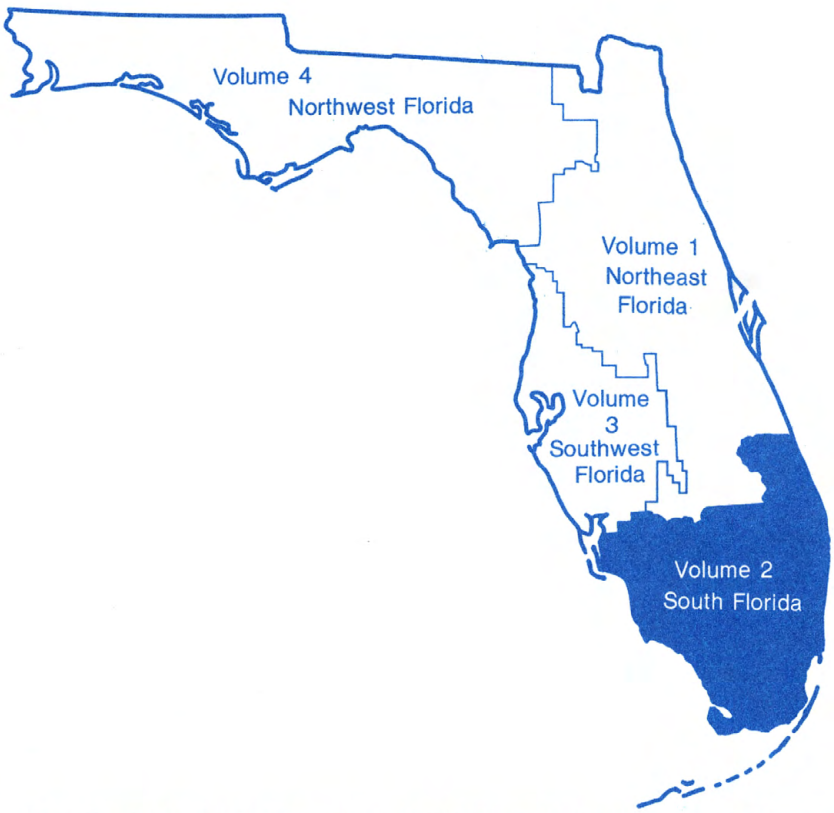
Water Resources Data Florida Water Year 1993

Volume 2A. South Florida Surface Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-93-2A
Prepared in cooperation with the State of Florida
and with other agencies

CALENDAR FOR WATER YEAR 1993

1992

OCTOBER

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1993

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AUGUST

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SEPTEMBER

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26	27	28	29	30		

Water Resources Data
Florida
Water Year 1993

Volume 2A. South Florida Surface Water

by C. Price, M. Murray, and E. Patino

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-93-2A
Prepared in cooperation with the State of Florida
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

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U.S. GEOLOGICAL SURVEY

GORDON EATON, Director

Prepared in cooperation with the

State of Florida

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1994

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 the Hydrologic Records Section under the supervision of R. E. Curtis, E. C. Price, E. Patino, and M. Murray. N. Verjano, was the primary person responsible for the compilation of the data report. 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.

Miami Subdistrict Office

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J. C. Cottingham	H. R. LaRose	T. Richards
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G. Karavitis	J. B. Overholser	

This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of John Vecchioli, 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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15. Supplementary Notes
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16. Abstract (Limit: 200 words)

Water resources data for 1993 water year in Florida consists of continuous or daily discharge for 312 streams, periodic discharge for 9 streams, miscellaneous discharge for 107 streams, continuous or daily stage for 91 streams, periodic stage for 0 streams, peak discharge for 30 streams, continuous daily tide stage for 9 streams, and peak stage for 21 streams, continuous or daily elevations for 41 lakes, periodic elevations for 73 lakes; continous ground-water levels for 406 wells, periodic ground-water levels for 569 wells, and miscellaneous water level measurements for 1,860 wells; quality of water data for 109 surface-water sites and 642 wells.

The data for South Florida included continuous or daily discharge for 75 streams, continuous or daily stage for 54 streams, peak stage discharge for 1 stream, continuous elevation for 1 lake; continuous ground-water levels for 203 wells, periodic ground-water levels for 299 wells and miscellaneous water-level measurements for 462 well; quality-of-water for 3 surface-water sites and 545 wells.

The data represent the National Water Data System records collected by the U.S. Geological Survey and cooperation with 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

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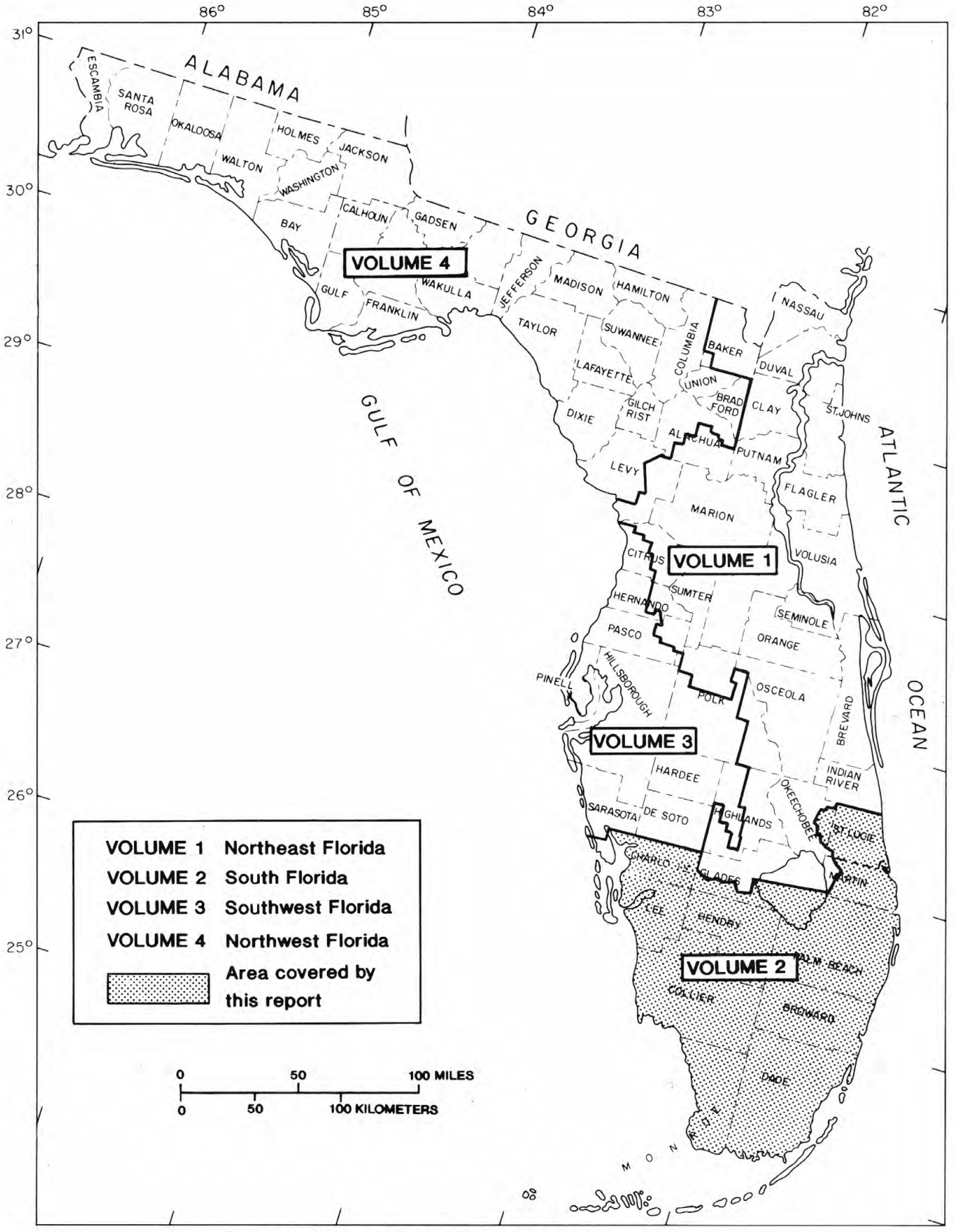

Figure 1. Geographic area covered by this report

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CONTENTS

ILLUSTRATIONS

VOLUME 2A: SOUTH FLORIDA

SURFACE-WATER STATIONS, IN DOWNSTEAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

[Letters after station names designate type of data collected: (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. To make these data readily available to interested parties outside the Geological survey, the data are published annually in this report series entitled "Water Resources Data - Florida, Volume 2A: South Florida Surface Water and Volume 2B: South Florida Ground Water."

This report series includes records of stage, discharge, ground-water levels, and water quality of streams and stage, contents, and water quality of lakes, ground-water wells. The data for south Florida include continuous or daily discharge for 75 streams, continuous or daily stage for 54 streams, and peak stage for 1 stream; continuous elevations for 1 lake; continuous ground-water levels for 203 wells, periodic ground-water levels for 299 wells, and miscellaneous water-level measurements for 462 wells; quality-of-water data for 3 surface-water sites and 545 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." 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-93-2A." 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. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current year for the entire nation, including Puerto Rico and the Trust Territories will be reproduced on a single CD-ROM disc.

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) 526-2895. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

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:

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 Broward
County of Dade
County of Lee
County of Palm Beach
Florida Department of Environmental Regulation
Florida Department of Transportation
Florida Division of Parks and Recreation
Florida Keys Aqueduct Authority
Miami-Dade Water and Sewer Authority
National Aeronautics and Space Administration
National Park Service, U.S. Department of the Interior
Palm Beach County Solid Waste Authority
Reedy Creek Improvement District
South Dade Soil and Water Conservation District
South 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

In South Florida, October was a very dry month. Only 30% of normal rains fell across South Florida. Lake Okeechobee declined slightly and was below its schedule elevation of around 17.25 ft. but over a foot above it's normal level. Water supply releases from the lake increased gradually due to the lack of rainfall. The Caloosahatchee River (02292900 S-79) discharged excess water released from Lake Okeechobee, into the Gulf during the first three weeks of the month and was replenished by releases from Lake Okeechobee during the remainder of the month. Pumping was performed in the Everglades Agricultural Area(EAA) at S-5A (02278450), S-6 (02281200), S-7 (02284300) and S-8 (02286700) during the first 2 weeks to provide water for the lower east coast and Everglades National Park. S-5A and S-6, pump water into Conservation Area No. 1, S-7 pumps water into Conservation Area No. 2A, and S-8 pumps water into Conservation Area 3A. Pump station S-332 (252523080352500) operated at its maximum capacity to discharge water into Florida Bay. S-12 structures (02289040) combined flow showed maximum releases all month. Releases were resumed through S-333.

More rain occurred during November than October. Lake Okeechobee held near the same level as in October, during the month. Water supply releases were made from St. Lucie Canal at S-308 (02276870) and the Caloosahatchee River at S-77 (02292000). Excess water was released into the Gulf through S-79 on Caloosahatchee River during the latter part of the month. Most of the water supply releases from Lake Okeechobee into the EAA were made early in November. Flood control pumping in the EAA was performed mainly between the 7th and 27th. All Water Conservation Areas were above scheduled levels. Sometime during the month releases were made to elevate water levels to the required elevations for the areas.The lower east coast received extremely heavy rain during November. Local flooding was reported in Dade and Palm Beach counties. Pumping station S-332 again was operated at its maximum capacity. The S-12 structures released water into Shark River Slough in Everglades National Park all month.

Lake Okeechobee declined slightly and water conservation areas declined gradually during December. The lower east coast received below normal rainfall, especially in Dade and Palm Beach Counties. S-12 structures and S-333 continued to release water all month. S332 operated at its maximum available capacity to discharge water into Florida Bay.

Lake Okeechobee remained at a fairly constant level during January. Pumping occurred into the lake at S-2 (02283498) and S-3 (02286400) during the month along with significant releases from the lake into the canals after the 13th. Pumping occurred during the entire month at S-5A complex into Conservation Area No.1, allowing this area's water level to decline only slightly during the month. Heavy pumping from the EAA occurred at S-6, S-7 and S-8 during the month to Conservation Area 2A. Discharge increased steadily through the S-12 structures during January.

Heavy regulatory releases were made during February from Lake Okeechobee from S-308, S-77, S-351, S-354, S-352 into the 3 Water Conservation Areas and into the ocean, lowering the lake nearly 0.50 ft. Water being released from Lake Okeechobee was moved into the Conservation Areas by pumping at S-5A, S-6, S-7 and S-8. On the 18th pumping stopped at S-5A, and on the 26th, pumping was terminated at S-6. All canals were maintained at their optimum stage range. The main water supply releases were through S-332 into Florida Bay. S-12 and S-333 were operated at their maximum capacity.

March brought above normal rains to South Florida except the Caloosahatchee River Basin and the Everglades Agricultural Areas which were near normal. Lake Okeechobee declined gradually during the first half of the month. Special emphasis was placed on moving water south, to the WCA's and eventually into Florida Bay. Heavy releases occurred at S-351 early in the month and after the 23rd. Most of the pumping at S-5A, S-6, S-7 and S-8 from the Everglades Agricultural Area, occurred during the last half of the month.

Due to the high stage in Lake Okeechobee during April, releases were made all month. Continued emphasis was placed on moving water south, to the WCA's and eventually into Florida Bay. S-12 and S-333 operated at their maximum capacity due to high water level in WCA 3A and to release water into Shark River Slough.

While May typically begins the transition from the dry season to the wet season, this was delayed due to persistent high pressure systems that moved over South Florida. Stages in all WCA's and Lake Okeechobee declined during this dry period. The 1993 Hurricane Season, on the other hand, got off to an early start as Tropical Depression no. 1 developed in late May and brought rains to the area near the end of the month. As a result, Lake Okeechobee ended the month more than one foot above its normal level. Releases were made into the EAA during most of the month except the last 3 days. Pumping occurred at S-5A, S-6, S-7 and S-8 only during the last 3 days of the month. Because of the declining stage of WCA 3 and lack of rain, releases from S-12 and S-333 were reduced.

June continued to be a relatively dry month as two tropical systems focused moisture elsewhere. Lake Okeechobee declined about a quarter of a foot during the month, but remained above normal. S-12 and S-333 were operated all month.

During July, Lake Okeechobee declined significantly but still remained above normal. The South Florida Water Management District began the Taylor Slough Demonstration Project test on the 1st. The project consisted of modified water deliveries to Taylor Slough by use of a 100 cfs temporary pump used at S-332. The USGS did not monitor the

discharge from this pump. S-12 continued to operate, discharging into Shark River Slough.

August was a relatively dry month. A lack of tropical waves and associated moisture continued to inhibit typical wet season rains during the month. Lake Okeechobee declined in August and was just above 13.50 ft. near the end of the month. No releases were made from S-5A, S-6, S-7 and S-8 after the first few days in August. In response to Hurricane Emily, the SFWMD followed major storm procedures for the structures. The SFWMD continued to make maximum releases into Taylor Slough.

Rainfall occurred on a regular basis during September over South Florida, but lack of rain events from tropical systems kept rainfall totals below average. Lake Okeechobee rose in September, reversing the decline in the last several months. Water supply releases from the lake were minimal during September. To increase the amount of discharges in Taylor Slough, the SFWMD installed a second 100 cfs temporary pump at S-332, as planned in the Taylor Slough Demonstration Project test. The USGS did not monitor this discharge. Water supply releases were not required into the EAA all month. Pumping occurred during the first half of the month at S-5A, S-6, S-7 and S-8. Releases through S-12 and S-333 increased in September.

The relation of period of record mean annual discharge to mean discharge for the current year for representative stations is given below.

STATION	STATION NAME Stations that release water from Lake Okeechobee into the Everglades Agricultural Area	MEAN ANNUAL DISCHARGE BASE PERIOD	(FT ^{3}/S)	MEAN DISCHARGE FOR 1993 (FT^3/S)	DEPARTURE FROM MEAN %
02278000	WEST PALM BEACH CANAL AT S352	1940 - 1993	156	264	+69
02283498	NORTH NEW RIVER CANAL AT S-2 AND S351	1968 - 1993	139	602	+333
02286400	MIAMI CANAL AT S-354 AND S-3 AT LAKE HARBOR, FL	1958 - 1993	69	472	+584
02292000	CALOOSAHATCHEE CANAL NR MOORE HAVEN	1939 - 1993	829	719	-13

STATION	STATION NAME Stations that pump water out of Everglades Agricultural Area into the Water Conservation Areas	MEAN ANNUAL DISCHARGE BASE PERIOD	(FT ^{3}/S)	MEAN DISCHARGE FOR 1993 (FT^3/S)	DEPARTURE FROM MEAN %
02278450	WEST PALM BEACH CANAL ABV S-5A, NR LOX. FL	1958 - 1993	395	563	+43
02284300	NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL	1960 - 1982 1991 - 1993	222	673	+222

STATION	STATION NAME Stations that release water into Shark River Slough in Everglades National Park	MEAN ANNUAL DISCHARGE BASE PERIOD	(FT ^{3}/S)	MEAN DISCHARGE FOR 1993 (FT^3/S)	DEPARTURE FROM MEAN %
02289040	TAMIAMI CANAL OUTLETS L67A TO 40 MILE BEND NR MIAMI	1964 - 1993	685	1540	+96

STATION	STATION NAME Stations that release water into Taylor Slough	MEAN ANNUAL DISCHARGE BASE PERIOD	(FT ^{3}/S)	MEAN DISCHARGE FOR 1993 (FT^3/S)	DEPARTURE FROM MEAN %
252523080- 352500	LEVEE 31W CANAL ABV S-332 NR FLORIDA CITY, FL	1984 - 1993	65	163	+1 51

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.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program is a long-term U.S. Geological Survey effort to determine the status of water quality in a large, representative part of the Nation's surface- and ground-water resources, and to provide scientific understanding of primary natural and human influences on the quality of these resources. To accomplish this objective, 60 study units ranging in size form 1,200 to 60,000 square miles were chosen for intensive data collection and interpretive study. About 60 percent of the Nation's publicly supplied water use occur within these study units. Three of these study units, the Apalachicola-Chattahoochee-Flint Study Unit, the Georgia-Florida Coastal Plain Study Unit, and the Southern Florida Study Unit (not yet in data-collection phase), are partly or wholly within Florida. Extensive, multi-purpose surface- and ground-water sampling will be performed within each study unit and the majority of these data will be presented in a separate series of reports. However, data for a limited number of NAWQA surface-water stations where streamflow and water-quality data are collected on a routine basis (usually monthly) have been included in the appropriate volume of the annual data report. The locations of NAWQA stations for which data appear in this report are shown in Figure 2.

Radiochemical Program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

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

Figure 2. NASQAN stations in Florida.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1993 water year that began October 1, 1992, and ended September 30, 1993. 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.)

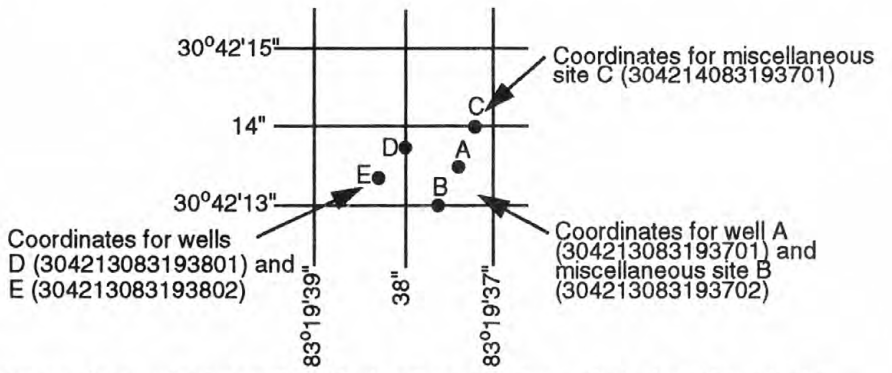

Figure 3. System for numbering wells and miscellaneous sites. (latitude and longitude)

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

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or state manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preference.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscripts

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; 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. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurements," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

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.--Because of new information, published records 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 GLOSSARY), 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.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages. 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.

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.

Heading for AVERAGE DISCHARGE has been deleted and the information contained in this paragraph is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Daily table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each 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 or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEAR _____-_____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consists of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTIC" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____-_____," will consists of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

All of the calculations for the statistical characteristics designated ANNUAL (See line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistics, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistics reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The data shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic).

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report).

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

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

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

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded by 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded by 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded by 90 percent of the time for the designated period.

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 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. 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.

In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias.

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 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 quality of the water in its natural state. 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 natural 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).

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 th5e 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)
&	Biological organism estimated as dominant

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Present data above the µg/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes. However, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in water year 1994.

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, the data table of water levels observed during the water year and possibly a graph of the water year or other selected period. 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 of well description.

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. It should identify wells that also are water quality observation wells and may be used to acknowledge the assistance of local (non-survey) observers.

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 respect to land-surface datum, 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. A hydrograph for a selected period of record may follow each water-level table.

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 U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

* Station Header File - Contains descriptive information on more than 440,000 sites throughout the United State and its territories where the U.S. Geological Survey collects or has collected data.

* Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoirs contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.

* Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.

* Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.

* Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5 1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the water Resources Division's District offices. (See address on the back of the title page). A limited number of CD-ROM discs will be available for sale by the Books and Open_File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

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, non-sporeforming, 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 foot 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 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.

Cubic foot 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.

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.

Annual 7-day minimum is the Discharge that is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The data shown in the summary statistics table is the initial data of the 7-day period. (This value should not be confused with the 7-day 10 year low-flow statistic)

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 µm 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 (CaCO3).

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 (mg/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, mg/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).

Particle-size classification used in this report agrees with the recommendation made by the American Geo physical 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 mm 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 mm 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 mm 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, 1992, is called the "1992 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 abbreviation for "Water-Supply Paper" in reference to previously published reports.

PUBLICATIONS ON 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, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (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. Ficken, 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-D2. *Application of seismic-refraction techniques to hydrologic studies,* by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations,* by W. Scott Keys and L. M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations,* by W. Scott Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

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STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

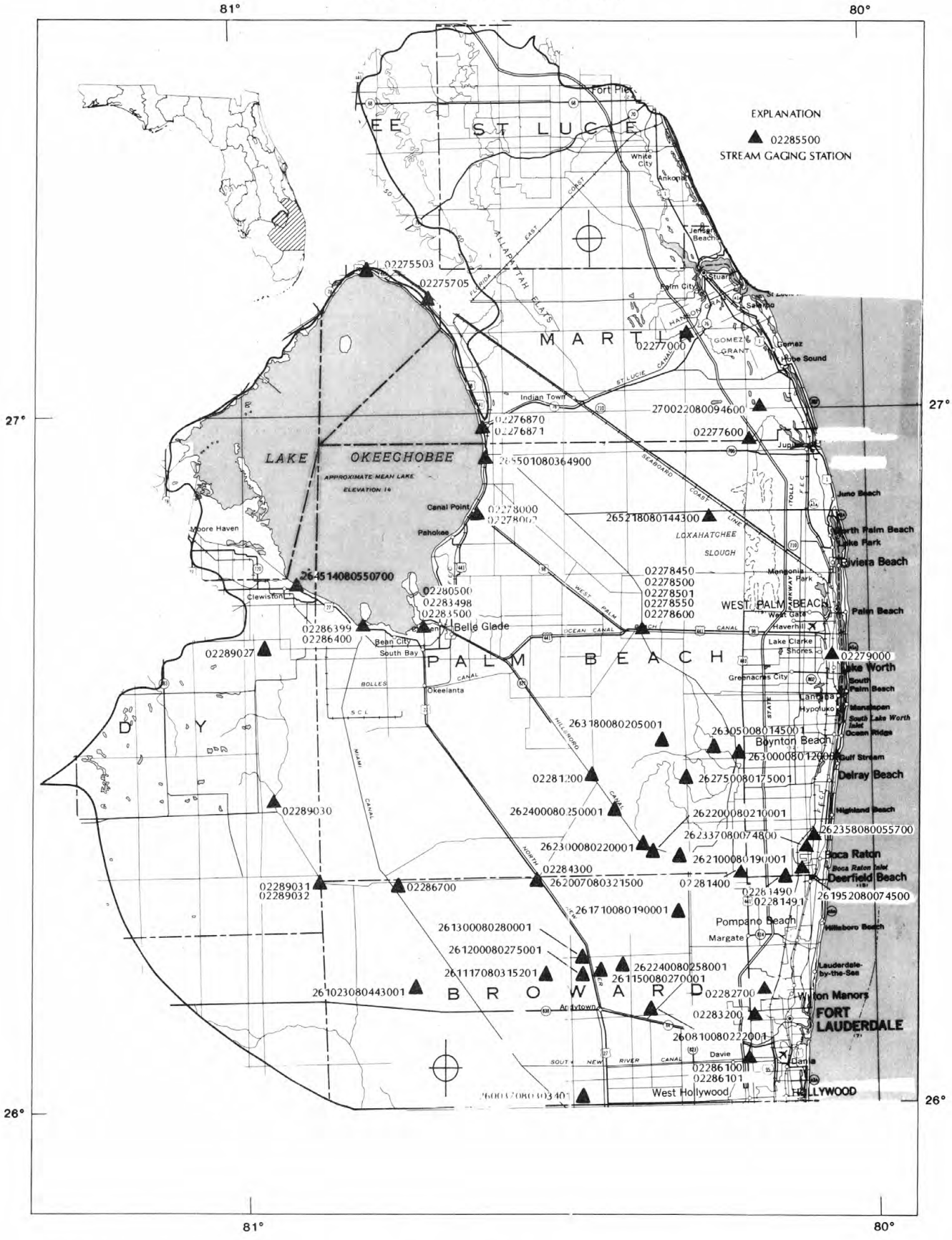


FIGURE 4. Location of gaging stations in the portion of the Everglades and the southeastern coastal area north of latitude 26 degrees.

02277000 ST. LUCIE CANAL AT LOCK, NEAR STUART, FL

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 the north lock wall, 6.3 mi southwest of Stuart.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1952 to current year. Gage height records collected at same site since December 1924 are contained in files of the South Florida Water Management District and U.S. Army Corps of Engineers. U.S. Geological Survey started collection of upstream and downstream stages October 1, 1987.

REVISED RECORDS.--WDR FL-80-2A: 1978-1979.

GAGE.--Water-stage recorders. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). 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.--Records good. Flow regulated by lock near Stuart. No extremes shown for stage since stage was not collected by U.S. Geological Survey prior to Oct. 1, 1987.

COOPERATION.--Structure operation records provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 41 complete water years of discharge (1953-93).

STATION NUMBER 02277000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.21	14.35	14.17	14.67	14.12	14.28	14.28	14.22	14.49	14.67	14.23	13.83
2	14.09	14.14	14.26	14.45	14.35	14.34	14.24	14.20	14.41	14.64	14.12	13.88
3	14.28	14.38	14.19	14.12	14.38	14.53	14.02	14.23	14.39	14.57	14.02	13.89
4	14.25	14.53	14.28	14.65	14.42	14.48	14.26	14.33	14.30	14.51	14.02	13.90
5	14.08	14.37	14.52	14.31	14.52	14.29	14.30	14.37	14.52	14.51	14.01	13.91
6	14.31	14.52	14.22	14.19	14.41	14.25	14.45	14.34	14.39	14.48	14.00	14.01
7	14.39	14.71	14.25	14.43	14.32	14.45	13.93	14.37	14.19	14.45	13.91	14.02
8	14.29	14.62	14.16	14.31	14.45	14.26	14.12	14.49	14.29	14.49	13.80	14.07
9	14.27	14.60	14.14	14.55	14.43	14.15	14.59	14.60	14.35	14.59	13.80	14.09
10	14.32	14.20	14.40	14.27	14.27	14.50	14.58	14.44	14.21	14.56	13.81	14.17
11	14.38	14.61	14.68	14.31	14.35	14.41	14.05	14.23	14.21	14.52	13.86	14.14
12	14.34	14.41	14.23	14.58	14.23	14.15	13.83	14.26	14.50	14.49	13.88	14.15
13	14.18	14.22	14.19	14.10	14.22	14.70	13.73	14.43	14.59	14.43	13.90	14.10
14	14.15	14.31	14.45	14.23	14.23	14.57	14.27	14.51	14.36	14.40	13.96	14.11
15	14.28	14.15	14.53	14.31	14.27	14.40	14.40	14.50	14.46	14.46	14.06	14.11
16	14.24	14.13	14.43	14.48	14.24	14.51	14.59	14.56	14.40	14.46	14.03	14.10
17	14.32	14.23	14.40	14.53	14.30	14.19	14.56	14.31	14.29	14.45	13.92	14.10
18	14.14	14.09	14.56	14.48	14.29	14.50	14.39	14.26	14.26	14.42	13.86	14.14
19	14.15	14.31	14.54	14.54	14.26	14.43	14.45	14.29	14.31	14.35	13.86	14.09
20	14.22	14.58	14.46	14.37	14.25	14.33	14.31	14.35	14.29	14.35	13.85	14.06
21	14.42	14.30	14.24	14.38	14.50	14.45	14.29	14.34	14.38	14.31	13.80	14.11
22	14.48	14.44	14.06	14.19	14.36	14.50	14.17	14.38	14.38	14.34	13.83	14.11
23	14.69	14.12	14.15	13.97	14.21	14.54	14.31	14.47	14.42	14.31	13.72	14.05
24	14.58	14.48	14.31	14.08	14.06	14.52	14.36	14.21	14.37	14.19	13.63	14.06
25	14.32	14.30	14.54	14.43	14.28	14.86	14.37	14.11	14.35	14.12	13.73	14.11
26	14.22	14.48	14.37	14.37	14.49	14.30	14.37	14.24	14.45	14.14	13.68	14.13
27	14.23	14.23	14.21	14.16	14.22	14.44	14.43	14.21	14.60	14.15	13.64	14.20
28	14.32	14.38	14.44	14.28	14.31	14.46	14.35	14.47	14.60	14.18	13.73	14.12
29	14.30	14.54	14.59	14.29	---	14.57	14.31	14.62	14.62	14.21	13.93	14.07
30	14.23	14.26	14.39	14.37	---	14.43	14.13	14.16	14.68	14.32	14.17	14.06
31	14.19	---	14.31	14.38	---	14.47	---	14.19	---	14.33	13.94	---
TOTAL	442.87	430.99	444.67	444.78	400.74	447.26	428.44	444.69	432.06	446.40	430.70	421.89
MEAN	14.29	14.37	14.34	14.35	14.31	14.43	14.28	14.34	14.40	14.40	13.89	14.06
MAX	14.69	14.71	14.68	14.67	14.52	14.86	14.59	14.62	14.68	14.67	14.23	14.20
MIN	14.08	14.09	14.06	13.97	14.06	14.15	13.73	14.11	14.19	14.12	13.63	13.83

02277000 ST LUCIE CANAL AT LOCK, NR STUART FLA

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3180	7.0	411	7.1	1010	435	2550	35	164	37	36	34
2	2760	7.0	375	7.0	2150	109	3110	35	419	37	36	34
3	1860	7.0	424	6.9	3070	367	3070	36	36	36	36	35
4	2530	7.1	7.0	7.0	3270	480	2890	36	36	37	37	35
5	968	7.1	571	7.0	2600	490	2110	36	37	37	37	35
6	1700	7.1	388	7.0	1590	131	1480	36	37	37	36	35
7	1680	7.1	267	7.1	1400	150	987	36	36	37	36	35
8	1820	7.0	7.1	213	1070	413	888	36	36	36	36	35
9	1580	1310	7.0	2520	951	7.0	550	36	36	37	36	30
10	1480	2490	7.1	2350	557	7.1	439	36	37	37	35	30
11	758	1800	611	2220	468	7.1	2520	36	37	37	35	30
12	1240	2100	588	1930	1900	7.1	3060	36	37	37	35	30
13	632	1170	119	2230	2240	7.3	3040	36	37	37	35	30
14	878	922	7.0	2230	2230	248	2890	37	36	37	36	30
15	476	834	7.0	1970	1970	184	2120	37	36	38	36	30
16	705	390	7.0	1540	1530	1270	1920	36	35	37	36	30
17	526	1040	7.0	1460	1020	333	1010	36	35	37	34	30
18	756	1120	7.0	1100	544	1060	897	36	36	37	34	30
19	459	924	390	1050	434	1940	548	36	36	36	34	30
20	475	1030	509	1100	187	1630	435	36	36	36	34	30
21	479	1710	397	609	71	3320	2250	36	36	36	34	30
22	480	2300	7.0	1780	2040	2870	3040	35	36	36	34	30
23	483	1700	7.0	2220	2560	2150	3260	35	36	36	34	30
24	540	1080	7.1	2220	2210	3100	2590	35	36	35	33	30
25	516	1390	293	2360	1970	3140	1590	36	36	36	34	30
26	305	904	478	2920	1540	2060	996	36	36	36	34	30
27	6.9	974	119	3050	1020	2200	936	36	37	36	34	30
28	7.0	478	7.0	2470	544	1020	948	36	37	36	34	30
29	7.0	762	368	2000	---	611	558	742	37	36	35	30
30	7.0	589	478	1540	---	699	109	726	37	36	35	30
31	7.0	---	237	1700	---	470	---	908	---	36	34	---
TOTAL	29300.9	27073.4	7114.3	44831.1	42146	30915.6	52791	3381	1599	1132	1085	938
MEAN	945	902	229	1446	1505	997	1760	109	53.3	36.5	35.0	31.3
MAX	3180	2490	611	3050	3270	3320	3260	908	419	38	37	35
MIN	6.9	7.0	7.0	6.9	71	7.0	109	35	35	35	33	30
AC-FT	58120	53700	14110	88920	83600	61320	104700	6710	3170	2250	2150	1860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1993, BY WATER YEAR (WY)

MEAN	1106	948	522	443	497	649	782	395	613	870	1229	925
MAX	9325	8315	8293	3445	5986	7453	6887	5322	5162	6598	6331	7711
(WY)	1954	1954	1954	1954	1958	1983	1970	1958	1954	1968	1959	1953
MIN	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.90	4.27	10.0	10.0	10.0
(WY)	1956	1955	1953	1953	1953	1953	1953	1976	1976	1953	1955	1955

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1953 - 1993	
ANNUAL TOTAL	202237.6		242307.3			
ANNUAL MEAN	553		664		749	
HIGHEST ANNUAL MEAN					4152	1954
LOWEST ANNUAL MEAN					10.0	1962
HIGHEST DAILY MEAN	3180	Oct 1	3320	Mar 21	11500	Mar 26 1970
LOWEST DAILY MEAN	6.9	Oct 27	6.9	Oct 27	4.0	May 3 1976
ANNUAL SEVEN-DAY MINIMUM	7.0	Oct 27	7.0	Oct 27	4.0	May 3 1976
ANNUAL RUNOFF (AC-FT)	401100		480600		542900	
10 PERCENT EXCEEDS	1700		2220		2510	
50 PERCENT EXCEEDS	119		37		20	
90 PERCENT EXCEEDS	34		7.1		10	

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

LOCATION.--Lat 27°00'22", long 80°09'46", in NE1/4 sec.8, T.40 S., R.42 E., Martin County, Hydrologic Unit 03090202, in Jonathan Dickinson State Park, near left bank on foot bridge, 1.5 mi upstream from mouth, 2.2 mi south of State Road 708, and 4.0 mi southwest of Hobe Sound.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1979 to September 1981, October 1984 to current year. Prior to October 1988, gage heights and discharge only.

GAGE.--Water-stage and rainfall recorders. Rainfall data is available in the files of the U.S. Geological Survey. Elevation of gage is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 complete water years of discharge (1981, 1985-88, 1990, 1992, 1993).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.94 ft Jan. 25; minimum, 1.57 ft June 19.

STATION NUMBER 270022080094600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.14	2.46	4.41	2.68	5.31	3.75	4.57	2.25	2.06	1.93	3.01	2.08
2	4.96	2.40	4.31	2.79	5.19	3.67	4.50	2.18	2.01	2.02	3.09	2.05
3	4.82	2.35	4.20	2.80	5.08	3.61	4.40	2.15	1.95	2.09	3.14	2.03
4	4.70	2.31	4.10	2.84	4.95	3.60	4.32	2.12	1.96	2.14	3.17	2.11
5	4.58	2.27	4.01	3.00	4.85	3.53	4.36	2.07	1.97	2.16	3.16	2.13
6	4.46	2.31	3.92	3.07	4.83	3.44	4.33	2.04	1.93	2.09	3.12	2.17
7	4.51	2.35	3.83	3.10	5.10	3.35	4.24	2.02	1.87	2.06	3.07	2.18
8	4.59	2.34	3.73	3.07	5.04	3.25	4.15	2.07	1.81	2.37	3.00	2.17
9	4.47	3.15	3.66	3.25	4.94	3.16	4.05	2.21	1.77	2.67	2.95	2.16
10	4.36	4.40	3.63	3.44	4.85	3.06	3.94	2.21	1.73	2.64	2.91	2.17
11	4.26	4.34	3.64	3.46	4.75	2.97	3.82	2.15	1.71	2.54	2.87	2.15
12	4.16	4.22	3.58	3.42	4.74	2.89	3.70	2.10	1.70	2.42	2.79	2.18
13	4.05	4.07	3.49	3.36	4.67	3.05	3.58	2.06	1.68	2.35	2.73	2.16
14	3.95	3.94	3.41	3.29	4.56	3.24	3.46	2.01	1.67	2.51	2.75	2.34
15	3.85	3.82	3.33	3.23	4.46	3.23	3.33	1.97	1.66	2.49	2.77	2.71
16	3.74	3.69	3.23	3.25	4.36	3.22	3.35	1.93	1.64	2.43	2.78	2.95
17	3.65	3.57	3.14	3.29	4.27	3.32	3.33	1.88	1.67	2.33	2.89	2.86
18	3.55	3.60	3.05	3.24	4.21	3.59	3.26	1.85	1.65	2.22	2.84	2.75
19	3.46	3.57	2.98	3.16	4.15	3.75	3.16	1.98	1.61	2.12	2.75	2.64
20	3.36	3.49	2.95	3.07	4.09	3.83	3.07	2.10	1.74	2.02	2.65	2.52
21	3.25	3.75	2.90	2.98	4.02	4.15	2.98	1.98	1.71	1.95	2.55	2.40
22	3.14	5.52	2.86	2.90	3.96	4.96	2.90	1.94	1.67	1.96	2.44	2.30
23	3.08	5.20	2.82	2.82	4.02	4.78	2.81	1.89	1.65	2.14	2.34	2.20
24	3.03	5.04	2.76	2.74	3.98	4.80	2.69	1.85	1.70	2.21	2.24	2.12
25	2.95	4.95	2.70	5.12	3.90	5.20	2.60	1.82	1.78	2.23	2.21	2.07
26	2.86	4.86	2.65	6.53	3.87	5.11	2.54	1.78	1.77	2.28	2.25	2.03
27	2.77	4.77	2.62	6.04	3.88	5.01	2.49	1.76	1.77	2.27	2.27	2.01
28	2.68	4.67	2.58	5.77	3.83	4.91	2.44	1.80	1.86	2.21	2.24	1.98
29	2.62	4.61	2.56	5.60	---	4.78	2.37	1.81	1.86	2.14	2.20	2.22
30	2.57	4.51	2.56	5.50	---	4.67	2.31	1.86	1.90	2.21	2.16	2.27
31	2.52	---	2.58	5.42	---	4.58	---	1.98	---	2.63	2.11	---
TOTAL	116.09	112.53	102.19	114.23	125.86	120.46	103.05	61.82	53.46	69.83	83.45	68.11
MEAN	3.74	3.75	3.30	3.68	4.49	3.89	3.43	1.99	1.78	2.25	2.69	2.27
MAX	5.14	5.52	4.41	6.53	5.31	5.20	4.57	2.25	2.06	2.67	3.17	2.95
MIN	2.52	2.27	2.56	2.68	3.83	2.89	2.31	1.76	1.61	1.93	2.11	1.98

270022080094600 KITCHINGS CREEK NEAR HOBE SOUND, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	4.3	44	5.3	94	24	43	2.0	2.1	1.3	12	2.2
2	73	3.9	41	6.3	86	22	40	1.8	1.8	1.8	13	2.0
3	66	3.5	37	6.3	78	20	36	1.6	1.5	2.1	14	1.9
4	61	3.2	34	6.8	71	20	33	1.5	1.5	2.3	14	2.4
5	56	2.9	31	8.8	67	18	34	1.3	1.6	2.4	14	2.5
6	51	3.1	28	9.6	66	16	33	1.2	1.4	2.1	13	2.7
7	53	3.4	26	10	81	14	31	1.1	1.1	1.9	13	2.8
8	56	3.3	24	9.6	77	13	28	1.4	.91	4.2	12	2.7
9	51	17	21	12	72	11	26	2.2	.79	6.7	11	2.6
10	47	46	21	16	67	9.4	23	2.2	.67	6.3	10	2.7
11	43	43	21	16	63	8.1	21	1.9	.61	5.3	9.6	2.6
12	40	39	20	15	62	7.0	18	1.7	.56	4.3	8.7	2.8
13	36	34	18	14	59	9.1	16	1.5	.50	3.7	7.9	2.6
14	33	30	16	13	54	12	14	1.4	.46	5.2	8.1	4.8
15	30	27	14	12	49	12	12	1.2	.44	4.9	8.4	10
16	27	23	13	12	45	12	12	1.1	.38	4.4	8.5	15
17	24	21	11	13	42	13	12	.93	.45	3.6	10	13
18	22	21	9.8	13	39	18	11	.84	.40	2.9	9.3	12
19	20	21	8.9	11	37	22	9.7	1.6	.32	2.3	8.1	10
20	17	19	8.4	10	35	24	8.6	2.0	.69	1.8	6.9	8.5
21	15	26	7.9	9.1	33	34	7.6	1.5	.56	1.4	5.8	7.2
22	13	112	7.3	8.2	31	63	6.8	1.3	.46	1.5	4.8	6.1
23	12	84	6.8	7.4	32	54	5.8	1.1	.38	2.4	3.9	5.2
24	11	73	6.2	6.4	31	55	4.8	1.0	.51	2.9	3.2	4.5
25	10	68	5.6	164	28	75	4.1	.91	.76	3.0	3.0	4.0
26	8.9	64	5.1	287	27	70	3.6	.80	.71	3.4	3.2	3.7
27	7.6	60	4.7	179	27	64	3.4	.75	.74	3.3	3.4	3.5
28	6.5	55	4.3	140	26	59	3.1	.90	1.0	2.9	3.2	3.3
29	5.9	53	4.2	120	---	53	2.6	.94	1.0	2.4	2.9	5.3
30	5.4	48	4.2	110	---	47	2.3	1.1	1.2	3.0	2.7	5.8
31	4.9	---	4.4	103	---	43	---	1.7	---	6.9	2.4	---
TOTAL	991.2	1011.6	507.8	1353.8	1479	921.6	505.4	42.47	25.50	102.6	250.0	154.4
MEAN	32.0	33.7	16.4	43.7	52.8	29.7	16.8	1.37	.85	3.31	8.06	5.15
MAX	85	112	44	287	94	75	43	2.2	2.1	6.9	14	15
MIN	4.9	2.9	4.2	5.3	26	7.0	2.3	.75	.32	1.3	2.4	1.9
AC-FT	1970	2010	1010	2690	2930	1830	1000	84	51	204	496	306

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1993, BY WATER YEAR (WY)

MEAN	20.1	16.7	10.5	9.68	8.09	8.24	4.80	1.92	3.93	7.36	8.35	15.9
MAX	90.5	54.9	41.7	43.7	52.8	29.7	16.8	9.72	13.1	20.9	20.7	70.1
(WY)	1992	1988	1986	1993	1993	1993	1993	1980	1986	1986	1986	1992
MIN	.78	.88	.29	.55	.76	.31	.13	.076	.14	.27	.25	1.48
(WY)	1989	1989	1982	1982	1985	1985	1981	1981	1981	1990	1990	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1980 - 1993	
ANNUAL TOTAL	6322.04		7345.37			
ANNUAL MEAN	17.3		20.1		11.1	
HIGHEST ANNUAL MEAN					20.1	1993
LOWEST ANNUAL MEAN					.99	1990
HIGHEST DAILY MEAN	149	Sep 29	287	Jan 26	287	Jan 26 1993
LOWEST DAILY MEAN	.30	Jun 23	.32	Jun 19	.01	Jun 5 1989
ANNUAL SEVEN-DAY MINIMUM	.37	May 27	.42	Jun 13	.05	May 30 1989
INSTANTANEOUS PEAK FLOW			400	Jan 25	400	Jan 25 1993
INSTANTANEOUS PEAK STAGE			6.94	Jan 25	6.94	Jan 25 1993
INSTANTANEOUS LOW FLOW			.21	Jun 19		
ANNUAL RUNOFF (AC-FT)	12540		14570		8080	
10 PERCENT EXCEEDS	58		56		26	
50 PERCENT EXCEEDS	4.2		8.9		2.5	
90 PERCENT EXCEEDS	.76		1.2		.29	

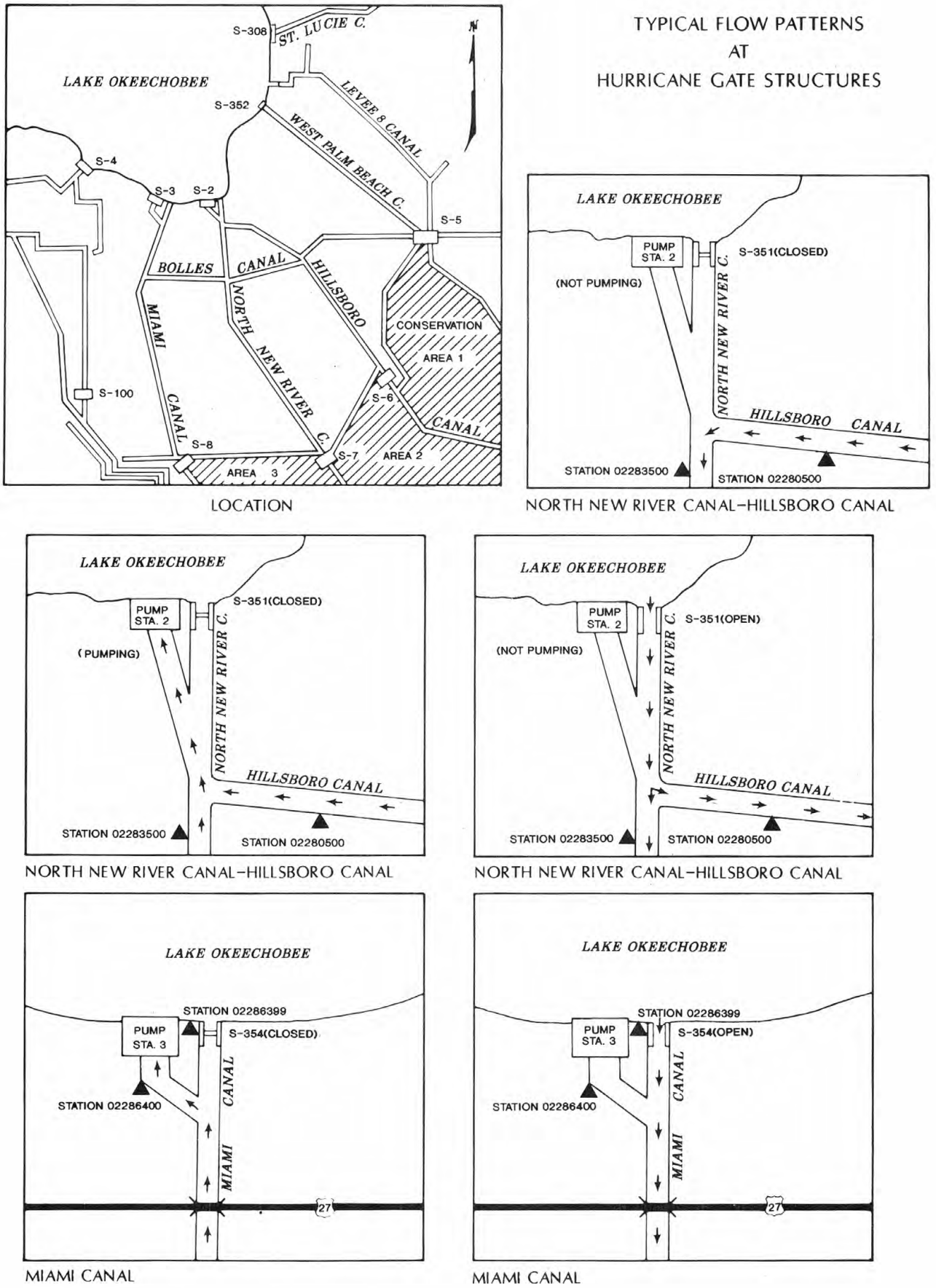


FIGURE 5. Typical flow patterns at Hurricane Gate Structures.

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 south 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.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1931 to September 1952, October 1981 to current year. Prior to October 1946, published as 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, and satellite data collection platform. 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. Aug. 1, 1986 to June 20, 1989, electromagnetic velocity meter recorder. April 4, 1992 satellite data collection platform installed.

REMARKS.--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.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 30 complete water years of discharge (1932-52, 1982-88, 1990, 1993)

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.80 ft Mar. 24, 1983; minimum, 9.63 ft June 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.07 ft Jan. 27; minimum, 13.36 ft Aug. 27.

STATION NUMBER 02276870
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.24	16.10	16.05	---	16.66	15.92	16.33	15.39	14.79	14.52	14.14	13.72
2	16.21	16.10	16.06	---	16.51	15.91	16.42	15.38	14.82	14.50	14.15	13.75
3	16.28	16.08	16.01	---	16.44	15.91	16.24	15.37	14.83	14.47	14.10	13.80
4	16.43	16.06	16.01	---	16.44	16.05	16.16	15.39	14.82	14.46	14.03	13.82
5	16.51	16.08	16.02	16.02	16.40	16.00	16.23	15.36	14.81	14.43	13.96	13.83
6	16.45	16.10	15.98	16.04	16.41	15.93	16.31	15.30	14.81	14.42	13.93	13.85
7	16.41	16.02	16.01	16.03	16.47	15.90	16.15	15.26	14.77	14.40	13.90	13.89
8	16.42	15.97	16.00	16.06	16.46	15.90	16.09	15.20	14.73	14.38	13.84	13.93
9	16.44	15.87	15.97	16.19	16.35	15.90	16.10	15.17	14.68	14.38	13.81	13.96
10	16.43	15.86	16.07	16.22	16.32	15.86	16.27	15.12	14.62	14.37	13.78	13.98
11	16.44	16.00	16.22	16.26	16.32	15.85	16.18	15.11	14.60	14.36	13.82	14.01
12	16.42	16.05	16.06	16.28	16.45	15.79	16.09	15.13	14.57	14.33	13.83	14.03
13	16.36	16.08	15.98	16.30	16.49	15.94	16.07	15.17	14.56	14.29	13.80	14.05
14	16.33	15.97	15.96	16.27	16.32	16.01	16.01	15.24	14.57	14.28	13.82	14.06
15	16.35	15.95	15.97	16.29	16.23	15.80	15.91	15.11	14.50	14.29	13.84	14.08
16	16.38	15.92	15.96	16.41	16.21	15.72	15.98	15.06	14.43	14.27	13.84	14.09
17	16.37	15.95	15.97	16.31	16.18	15.78	16.01	15.00	14.35	14.29	13.76	14.09
18	16.36	15.92	15.97	16.25	16.23	15.97	15.93	14.95	14.29	14.28	13.76	14.10
19	16.28	15.94	15.96	16.25	16.10	15.94	15.86	14.96	14.30	14.26	13.79	14.11
20	16.21	15.88	15.96	16.23	16.07	15.97	15.87	14.97	14.31	14.25	13.75	14.11
21	16.18	16.00	15.96	16.22	16.07	16.06	15.89	14.93	14.31	14.22	13.73	14.10
22	16.12	16.05	15.96	16.28	16.11	16.10	15.98	14.81	14.31	14.19	13.72	14.11
23	16.19	16.08	15.94	16.27	16.04	16.17	15.82	14.61	14.33	14.14	13.68	14.08
24	16.25	16.08	15.91	16.24	15.91	16.22	15.68	14.62	14.32	14.09	13.62	14.05
25	16.26	16.07	15.90	16.24	15.92	16.25	15.65	14.59	14.30	14.04	13.59	14.05
26	16.23	16.07	15.92	16.47	15.99	16.28	15.66	14.56	14.31	14.05	13.58	14.08
27	16.20	16.10	15.92	16.60	15.98	16.34	15.64	14.47	14.41	14.08	13.56	14.12
28	16.19	16.11	15.91	16.49	15.95	16.36	15.48	14.46	14.44	14.08	13.60	14.11
29	16.18	16.06	15.85	16.52	---	16.32	15.46	14.61	14.46	14.09	13.61	14.02
30	16.15	16.06	15.88	16.52	---	16.30	15.47	14.74	14.53	14.14	13.61	14.02
31	16.15	---	15.88	16.56	---	16.30	---	14.76	---	14.15	13.70	---
TOTAL	505.42	480.58	495.22	---	455.03	496.75	478.94	464.80	435.88	442.50	427.65	420.00
MEAN	16.30	16.02	15.97	---	16.25	16.02	15.96	14.99	14.53	14.27	13.80	14.00
MAX	16.51	16.11	16.22	---	16.66	16.36	16.42	15.39	14.83	14.52	14.15	14.12
MIN	16.12	15.86	15.85	---	15.91	15.72	15.46	14.46	14.29	14.04	13.56	13.72

02276870 ST. LUCIE CANAL AT LAKE OKEECHOBEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	219	444	200	19	-974	821	-997
2	.00	193	.00	.00	768	53	1960	303	.00	-1080	3350	-2250
3	.00	622	.00	.00	1530	.00	1920	416	.00	-1060	3680	-912
4	.00	235	.00	.00	1620	.00	1340	490	167	-567	2450	209
5	.00	229	.00	.00	960	.00	964	514	138	-918	-143	-198
6	.00	138	.00	.00	655	.00	359	512	.00	-418	-737	-1790
7	.00	.00	.00	.00	271	.00	324	552	163	-350	430	-928
8	.00	.00	.00	.00	268	.00	627	370	120	-366	1690	-742
9	.00	.00	16	.00	152	121	369	137	103	-764	1690	-654
10	.00	.00	28	.00	197	90	95	70	203	-644	1080	-2300
11	.00	.00	.00	.00	58	.00	1330	116	416	-683	779	-1070
12	.00	.00	.00	.00	596	.00	2130	162	134	-596	252	-2170
13	.00	.00	.00	677	1330	50	2530	159	6.8	-690	-486	-44
14	.00	.00	.00	1010	1370	.00	1870	81	69	-371	-244	1070
15	.00	.00	.00	557	984	.00	1310	144	19	-505	-458	1660
16	.00	.00	.00	150	719	.00	484	32	-157	-662	-589	1360
17	.00	.00	.00	.00	613	.00	443	141	492	-613	-569	1880
18	.00	.00	.00	.00	249	.00	392	294	-932	-680	-76	859
19	.00	.00	.00	.00	234	.00	298	292	-1350	-616	314	2050
20	.00	.00	.00	.00	56	.00	273	293	-863	-268	176	2810
21	.00	.00	.00	.00	.00	.00	1310	281	-382	83	345	2170
22	.00	.00	52	452	937	.00	1850	230	-321	7.7	177	1590
23	.00	.00	144	1330	1290	.00	1870	54	-1810	-52	260	2700
24	.00	.00	56	1380	1300	44	1360	113	-899	-187	375	1650
25	.00	.00	.00	499	1040	.00	1040	410	-1220	-216	-48	872
26	.00	.00	.00	.00	445	104	898	373	-2530	-288	-252	1180
27	.00	.00	.00	.00	253	.00	755	435	-2330	-26	-49	417
28	.00	.00	.00	.00	302	.00	640	165	-1700	-40	-36	985
29	.00	.00	.00	.00	---	.00	521	.00	-1820	-140	-955	743
30	.00	.00	.00	.00	---	.00	196	.00	-1310	16	-1910	1060
31	.00	---	.00	.00	---	.00	---	.00	---	-92	-2300	---
TOTAL	0.00	1417.00	296.00	6055.00	18197.00	681.00	29902	7339.00	-15574.20	-13759.3	9017	11210
MEAN	.000	47.2	9.55	195	650	22.0	997	237	-519	-444	291	374
MAX	.00	622	144	1380	1620	219	2530	552	492	83	3680	2810
MIN	.00	.00	.00	.00	.00	.00	95	.00	-2530	-1080	-2300	-2300
AC-FT	.00	2810	587	12010	36090	1350	59310	14560	-30890	-27290	17890	22240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1993, BY WATER YEAR (WY)

MEAN	1834	1111	723	525	650	918	1146	693	688	831	955	1252
MAX	6480	6831	6350	5649	5453	7246	4620	4474	3949	4697	5152	6403
(WY)	1948	1948	1948	1948	1948	1983	1983	1931	1931	1947	1947	1949
MIN	-1101	-120	-138	-130	-24.1	-647	-531	-242	-519	-618	-614	-1036
(WY)	1988	1988	1986	1986	1991	1989	1991	1991	1993	1989	1985	1989

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1931 - 1993	
ANNUAL TOTAL	54780.50			
ANNUAL MEAN	150		984	
HIGHEST ANNUAL MEAN			3511	1948
LOWEST ANNUAL MEAN			-49.6	1986
HIGHEST DAILY MEAN	3680	Aug 3	8150	Feb 26 1983
LOWEST DAILY MEAN	-2530	Jun 26	-4280	Sep 14 1985
ANNUAL SEVEN-DAY MINIMUM	-1760	Jun 23	-2980	Aug 7 1985
ANNUAL RUNOFF (AC-FT)	108700		713000	
10 PERCENT EXCEEDS	1070		3960	
50 PERCENT EXCEEDS	.00		170	
90 PERCENT EXCEEDS	-614		.00	

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 south bank in control house downstream of structure 308 at Lake Okeechobee, 0.1 mi west of U.S. Highway 441, and 24 mi upstream from control structure 80.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Satellite data collection platform, with water-level shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to April 24, 1992 data obtained with digital water-level recorder.

REMARKS.-- Water level affected by regulation of control structure 308 gates and lock at Lake Okeechobee, and structure 80.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.13 ft Mar. 1, 1983; minimum, 8.95 ft Jan. 14, 17, 1982.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 15.61 ft Mar. 25; minimum, 13.41 ft Aug. 24

STATION NUMBER 02276871
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.71	14.33	14.12	---	14.03	14.30	14.56	14.21	14.44	14.54	14.13	13.75
2	14.46	14.11	14.19	---	14.53	14.28	14.56	14.21	14.33	14.52	14.05	13.80
3	14.37	14.36	14.15	---	14.75	14.49	14.55	14.23	14.30	14.48	14.00	13.81
4	14.47	14.47	14.23	---	14.75	14.35	14.57	14.32	14.23	14.46	13.97	13.82
5	14.19	14.30	14.49	14.36	14.66	14.21	14.32	14.36	14.43	14.44	13.96	13.84
6	14.28	14.45	14.22	14.22	14.45	14.19	14.52	14.36	14.32	14.42	13.94	13.90
7	14.40	14.65	14.22	14.41	14.28	14.39	14.19	14.37	14.14	14.40	13.89	13.92
8	14.27	14.59	14.11	14.27	14.38	14.23	14.16	14.47	14.24	14.41	13.82	13.96
9	14.20	14.72	14.13	14.75	14.40	14.13	14.43	14.62	14.32	14.50	13.77	13.97
10	14.30	14.32	14.26	14.38	14.24	14.45	14.52	14.46	14.19	14.48	13.76	14.05
11	14.30	14.62	14.60	14.39	14.32	14.38	14.34	14.23	14.18	14.43	13.79	14.03
12	14.33	14.42	14.31	14.61	14.22	14.16	14.42	14.24	14.43	14.42	13.79	14.08
13	14.16	14.17	14.16	14.32	14.39	13.98	14.37	14.31	14.53	14.37	13.81	14.05
14	14.17	14.32	14.39	14.42	14.44	14.37	14.64	14.38	14.31	14.32	13.83	14.04
15	14.26	14.16	14.51	14.38	14.40	14.39	14.60	14.41	14.42	14.39	13.94	14.05
16	14.21	14.13	14.47	14.44	14.26	14.67	14.58	14.49	14.44	14.38	13.93	14.06
17	14.29	14.26	14.35	14.54	14.30	14.14	14.54	14.32	14.31	14.34	13.85	14.06
18	14.10	14.10	14.50	14.49	14.24	14.48	14.42	14.22	14.30	14.33	13.76	14.08
19	14.14	14.35	14.54	14.54	14.25	14.58	14.49	14.23	14.32	14.28	13.76	14.06
20	14.24	14.69	14.43	14.46	14.20	14.41	14.34	14.24	14.32	14.24	13.75	14.04
21	14.45	14.35	14.30	14.43	14.44	14.48	14.41	14.27	14.31	14.22	13.69	14.06
22	14.51	14.45	14.06	14.37	14.44	14.68	14.54	14.35	14.31	14.25	13.74	14.07
23	14.69	14.10	14.12	14.24	14.46	14.58	14.66	14.50	14.37	14.21	13.66	14.03
24	14.54	14.44	14.27	14.33	14.31	14.51	14.63	14.29	14.33	14.12	13.55	14.03
25	14.24	14.29	14.54	14.54	14.42	15.13	14.52	14.12	14.32	14.06	13.65	14.04
26	14.17	14.45	14.36	14.59	14.51	14.27	14.42	14.26	14.37	14.07	13.61	14.07
27	14.17	14.18	14.18	14.23	14.26	14.41	14.46	14.26	14.45	14.06	13.57	14.12
28	14.27	14.32	14.39	14.34	14.30	14.38	14.47	14.44	14.47	14.09	13.65	14.09
29	14.24	14.50	14.59	14.32	---	14.52	14.39	14.62	14.49	14.12	13.85	14.00
30	14.18	14.23	14.39	14.37	---	14.43	14.14	14.15	14.55	14.21	13.96	14.01
31	14.13	---	14.32	14.38	---	14.40	---	14.16	---	14.22	13.75	---
TOTAL	443.44	430.83	443.90	---	402.63	446.37	433.76	444.10	430.47	443.78	428.18	419.89
MEAN	14.30	14.36	14.32	---	14.38	14.40	14.46	14.33	14.35	14.32	13.81	14.00
MAX	14.71	14.72	14.60	---	14.75	15.13	14.66	14.62	14.55	14.54	14.13	14.12
MIN	14.10	14.10	14.06	---	14.03	13.98	14.14	14.12	14.14	14.06	13.55	13.75

02277600 LOXAHATCHEE RIVER NEAR JUPITER, FL

LOCATION.--Lat 26°56'20", long 80°10'31", in NE1/4 sec.6, T.41 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, near left bank, 0.2 mi downstream from State Road 706, 1.3 mi upstream from Florida's Turnpike and 5.2 mi west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1971 to current year.

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

REMARKS.--Records good. Flow is augmented by diversion from C-18 canal 2.0 mi upstream from the gage. High-water flow can be diverted into C-18 canal by backflow through the structure.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 21 complete water years of discharge (1972-90,1992-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.80 ft Sept. 25, 1983; minimum, 7.70 ft June 21, 1987.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height,13.28 ft March 22; minimum, 10.27 ft Aug. 21.

STATION NUMBER 02277600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.16	10.88	12.40	11.67	12.47	11.96	12.57	10.99	11.02	11.54	11.09	10.83
2	12.02	11.16	12.39	12.26	12.49	11.89	12.54	10.96	11.17	11.45	11.15	10.82
3	12.13	11.19	12.37	12.33	12.49	11.71	12.50	10.96	11.94	11.43	11.13	10.82
4	12.19	11.22	12.37	12.20	12.48	11.71	12.47	10.96	11.97	11.38	11.07	10.82
5	12.47	11.13	12.36	11.83	12.50	11.73	12.54	10.96	11.74	11.35	11.08	10.88
6	12.48	11.49	12.34	12.28	12.48	11.72	12.54	10.95	11.19	11.28	11.07	11.19
7	12.49	11.48	12.35	12.30	12.40	11.70	12.53	10.94	11.62	11.24	11.04	11.08
8	12.50	11.42	12.34	12.27	12.37	11.68	12.51	11.02	11.62	11.18	11.01	11.19
9	12.51	12.10	12.29	12.32	12.40	11.65	12.48	11.10	11.24	11.15	10.97	11.35
10	12.50	12.51	12.25	12.38	12.42	11.46	12.45	11.11	11.17	11.15	10.96	11.42
11	12.50	12.46	12.14	12.36	12.41	11.44	12.39	11.11	11.16	11.14	10.95	11.63
12	12.49	12.39	11.53	12.47	12.48	11.43	12.34	11.07	11.14	11.12	10.85	11.64
13	12.47	12.52	11.33	12.44	12.47	11.68	12.27	11.05	11.15	11.12	10.54	11.77
14	12.35	12.51	11.78	12.44	12.45	11.58	12.20	11.10	11.14	11.12	10.74	11.82
15	12.34	12.48	11.73	12.45	12.43	11.44	12.12	11.11	11.14	11.12	10.78	11.82
16	12.33	12.46	11.47	12.51	12.41	11.42	11.75	11.10	10.97	11.11	11.19	11.80
17	12.33	12.46	11.66	12.49	12.39	11.43	11.13	11.08	10.98	11.10	10.64	11.80
18	12.32	12.51	11.40	12.44	12.37	11.54	11.71	11.06	11.19	11.07	10.49	11.80
19	12.33	12.53	11.53	12.44	11.94	11.66	11.86	10.96	10.80	11.04	10.39	11.64
20	12.32	12.50	11.55	12.44	11.66	11.68	11.85	10.93	11.09	11.04	10.33	11.43
21	12.26	12.55	11.37	12.37	11.82	12.10	11.82	10.92	11.32	11.03	10.50	11.40
22	12.21	12.64	11.39	12.09	11.81	13.14	11.78	10.90	11.20	11.01	10.95	11.39
23	12.10	12.48	11.37	12.11	11.91	12.26	11.73	10.89	10.91	11.00	10.93	11.24
24	11.58	12.57	11.23	12.19	12.09	11.90	11.55	10.86	10.85	11.02	10.82	10.71
25	11.70	12.50	11.39	12.69	11.97	12.61	11.31	10.82	10.87	11.02	10.80	10.71
26	11.77	12.45	11.41	12.85	11.98	12.25	11.22	10.71	11.00	11.00	10.79	10.90
27	11.72	12.45	11.33	12.32	12.20	12.33	11.09	10.69	11.27	10.97	10.78	10.91
28	11.70	12.43	11.25	12.18	12.17	12.51	11.07	10.83	11.40	10.97	10.77	10.91
29	11.69	12.43	11.36	12.17	---	12.50	11.07	10.93	11.68	10.97	10.78	11.66
30	11.44	12.41	11.49	12.12	---	12.50	11.04	10.90	11.46	10.97	10.81	12.28
31	10.89	---	11.40	12.20	---	12.51	---	11.00	---	10.96	10.84	---
TOTAL	376.29	364.31	364.57	381.61	343.46	369.12	358.43	339.97	337.40	345.05	336.24	339.66
MEAN	12.14	12.14	11.76	12.31	12.27	11.91	11.95	10.97	11.25	11.13	10.85	11.32
MAX	12.51	12.64	12.40	12.85	12.50	13.14	12.57	11.11	11.97	11.54	11.19	12.28
MIN	10.89	10.88	11.23	11.67	11.66	11.42	11.04	10.69	10.80	10.96	10.33	10.71

02277600 LOXAHATCHEE RIVER NEAR JUPITER,FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	50	323	174	340	226	292	40	47	120	91	64
2	157	82	320	291	346	212	283	38	67	104	101	61
3	178	86	317	308	345	178	275	37	180	103	98	61
4	192	92	316	278	344	179	269	37	184	95	90	62
5	250	82	313	202	347	182	286	38	146	92	93	70
6	254	135	310	295	344	180	287	37	66	83	92	127
7	258	134	311	299	324	177	285	36	124	78	88	105
8	263	127	309	292	317	173	280	44	124	71	84	124
9	268	272	298	305	324	167	273	51	72	69	80	156
10	268	351	289	318	328	135	265	52	65	71	78	171
11	271	339	265	314	326	127	251	52	63	71	78	226
12	272	320	147	342	343	122	242	49	61	70	64	224
13	270	352	117	333	341	158	227	47	62	71	30	258
14	246	349	192	333	335	137	210	52	62	73	50	272
15	247	343	183	336	330	109	194	53	61	75	59	273
16	246	339	137	351	326	104	133	52	45	75	125	269
17	249	338	170	346	320	101	52	51	47	74	39	267
18	249	351	126	334	315	112	124	49	67	72	25	267
19	253	355	147	333	227	126	147	40	32	70	18	225
20	253	348	150	333	169	124	145	37	62	71	15	173
21	244	360	122	317	198	204	140	36	84	70	31	167
22	235	383	124	255	196	457	134	36	70	69	81	163
23	216	344	121	258	216	217	127	34	41	69	77	135
24	125	366	101	275	253	146	101	32	36	72	61	48
25	146	348	124	405	229	299	71	29	39	74	59	48
26	160	337	127	441	231	212	62	21	50	72	58	73
27	154	334	115	306	277	232	48	21	80	69	56	75
28	152	330	104	273	271	275	46	31	97	70	55	74
29	152	330	120	271	---	273	47	39	142	71	57	233
30	118	325	141	260	---	274	44	37	107	71	60	397
31	49	---	126	278	---	276	---	45	---	72	64	---
TOTAL	6573	8302	6065	9456	8262	5894	5340	1253	2383	2387	2057	4868
MEAN	212	277	196	305	295	190	178	40.4	79.4	77.0	66.4	162
MAX	272	383	323	441	347	457	292	53	184	120	125	397
MIN	49	50	101	174	169	101	44	21	32	69	15	48
AC-FT	13040	16470	12030	18760	16390	11690	10590	2490	4730	4730	4080	9660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1993, BY WATER YEAR (WY)

MEAN	101	96.9	64.8	64.7	60.0	58.8	43.0	38.2	58.5	69.2	85.4	112
MAX	285	277	196	305	295	190	178	150	154	141	209	248
(WY)	1992	1993	1993	1993	1993	1993	1993	1972	1982	1974	1992	1983
MIN	17.2	21.9	15.4	5.90	1.75	10.6	6.09	5.80	9.92	16.2	25.1	26.6
(WY)	1973	1973	1989	1989	1989	1975	1974	1974	1989	1990	1975	1972

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1971 - 1993	
ANNUAL TOTAL	41332		62840			
ANNUAL MEAN	113		172		71.2	
HIGHEST ANNUAL MEAN					172	1993
LOWEST ANNUAL MEAN					24.2	1975
HIGHEST DAILY MEAN	383	Nov 22	457	Mar 22	1040	Nov 17 1982
LOWEST DAILY MEAN	12	May 21	15	Aug 20	.00	May 4 1974
ANNUAL SEVEN-DAY MINIMUM	14	Jan 29	29	May 22	.16	May 2 1974
INSTANTANEOUS PEAK FLOW			562	Jan 25	1040	Nov 17 1982
INSTANTANEOUS PEAK STAGE			13.28	Mar 22	14.80	Sep 25 1983
INSTANTANEOUS LOW FLOW			12	Aug 21	.00	May 4 1974
ANNUAL RUNOFF (AC-FT)	81980		124600		51560	
10 PERCENT EXCEEDS	272		333		132	
50 PERCENT EXCEEDS	83		145		53	
90 PERCENT EXCEEDS	16		47		14	

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL

LOCATION.--Lat 26°51'05", long 80°37'55", in NE1/4 sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, on south side of gate structure S-352 at Lake Okeechobee, 200 ft upstream from bridge on U.S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1940 to current year.

GAGE.--Water-stage shaft encoder, and satellite data collection platform. 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. May 1940, auxiliary water-stage recorder at old lock, 700 ft downstream from gate structure. August 1986 to December 1989, electromagnetic velocity meter. Digital water-stage recorder removed and satellite data collection platform installed Jan. 14, 1992.

REMARKS.--Records fair. Flow regulated at station by operation of 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 gate structure S-352. Formerly published as West Palm Beach Canal at HGS-5, at Canal Point.

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

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 51 complete water years of discharge (1941-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.99 ft Mar. 10, 1983; minimum observed, 8.48 ft June 15-17, 1952, at former site.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.48 ft Mar. 13; minimum, 13.34 ft Aug. 22, 26-29.

STATION NUMBER 02278000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.23	16.03	16.01	15.88	16.59	15.89	16.21	15.29	14.76	14.47	14.02	13.67
2	16.16	16.01	15.98	15.86	16.48	15.84	16.28	15.28	14.74	14.44	13.99	13.72
3	16.18	15.99	16.02	15.80	16.37	15.77	16.14	15.26	14.75	14.39	13.93	13.77
4	16.29	15.95	15.95	15.88	16.37	15.96	16.03	15.25	14.73	14.39	13.91	13.76
5	16.47	15.99	15.95	15.94	16.32	15.94	16.15	15.24	14.73	14.38	13.88	13.78
6	16.47	16.05	15.94	15.98	16.31	15.88	16.17	15.20	14.75	14.35	13.85	13.82
7	16.35	16.06	15.93	15.96	16.34	15.85	16.07	15.15	14.70	14.34	13.81	13.85
8	16.34	16.02	15.94	15.95	16.35	15.85	15.97	15.12	14.67	14.32	13.77	13.89
9	16.37	15.88	15.92	16.10	16.28	15.83	15.93	15.09	14.61	14.32	13.75	13.90
10	16.37	15.85	15.97	16.17	16.23	15.78	16.21	15.04	14.54	14.32	13.74	13.95
11	16.38	15.93	16.19	16.19	16.20	15.77	16.06	15.02	14.52	14.30	13.77	13.98
12	16.38	15.96	16.07	16.21	16.35	15.67	15.99	15.01	14.50	14.28	13.76	14.03
13	16.35	16.02	15.92	16.22	16.41	16.55	15.95	15.07	14.49	14.25	13.72	14.00
14	16.30	16.08	15.91	16.22	16.28	16.03	15.86	15.13	14.47	14.21	13.75	14.00
15	16.30	16.06	15.90	16.21	16.14	15.77	15.73	15.02	14.44	14.24	13.78	14.01
16	16.33	15.98	15.88	16.32	16.09	15.65	15.89	14.96	14.37	14.22	13.80	14.01
17	16.32	15.93	15.89	16.27	16.10	15.76	15.99	14.88	14.29	14.22	13.74	14.02
18	16.33	15.91	15.89	16.19	16.22	15.92	15.88	14.85	14.25	14.21	13.71	14.04
19	16.32	15.91	15.88	16.18	16.14	15.92	15.78	14.88	14.25	14.20	13.72	14.02
20	16.17	15.83	15.89	16.15	16.01	15.94	15.75	14.88	14.24	14.18	13.68	14.01
21	16.14	15.92	15.89	16.12	15.97	15.99	15.79	14.86	14.25	14.12	13.66	14.02
22	16.12	15.96	15.88	16.18	15.99	16.04	15.92	14.78	14.25	14.10	13.64	14.04
23	16.17	16.00	15.87	16.19	16.06	16.07	15.70	14.54	14.28	14.05	13.62	14.00
24	16.21	15.99	15.88	16.14	15.98	16.14	15.53	14.53	14.25	14.02	13.57	14.01
25	16.19	15.98	15.83	16.22	15.87	16.14	15.52	14.45	14.26	13.99	13.52	14.00
26	16.16	15.99	15.86	16.50	15.87	16.17	15.53	14.42	14.29	13.99	13.52	14.01
27	16.12	16.06	15.85	16.84	15.97	16.21	15.52	14.36	14.36	14.02	13.53	14.06
28	16.12	16.14	15.91	16.53	15.97	16.27	15.41	14.43	14.39	14.03	13.55	14.05
29	16.10	16.09	15.89	16.46	---	16.21	15.36	14.55	14.43	14.02	13.53	14.04
30	16.07	16.05	15.87	16.46	---	16.17	15.35	14.68	14.50	14.03	13.56	14.06
31	16.07	---	15.84	16.49	---	16.15	---	14.69	---	14.04	13.63	---
TOTAL	503.88	479.62	493.60	501.81	453.26	495.13	475.67	461.91	434.06	440.44	425.41	418.52
MEAN	16.25	15.99	15.92	16.19	16.19	15.97	15.86	14.90	14.47	14.21	13.72	13.95
MAX	16.47	16.14	16.19	16.84	16.59	16.55	16.28	15.29	14.76	14.47	14.02	14.06
MIN	16.07	15.83	15.83	15.80	15.87	15.65	15.35	14.36	14.24	13.99	13.52	13.67

02278000 WEST PALM BEACH CANAL AT S-352, AT CANAL POINT, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	366	.00	.00	778	.00	740	374	.00	34	406	.00
2	.00	372	.00	.00	774	53	766	372	.00	.00	386	.00
3	.00	366	.00	.00	764	.00	762	482	.00	.00	390	.00
4	.00	218	.00	.00	758	.00	756	652	72	.00	400	.00
5	.00	.00	.00	.00	586	.00	744	642	.00	.00	512	.00
6	.00	.00	.00	.00	626	.00	744	636	.00	.00	648	.00
7	.00	.00	.00	.00	784	.00	740	726	.00	.00	658	.00
8	.00	.00	.00	.00	768	233	730	406	.00	.00	656	.00
9	.00	.00	108	.00	768	247	728	.00	.00	.00	670	.00
10	.00	.00	.00	.00	750	175	762	206	218	.00	420	.00
11	.00	.00	.00	.00	770	177	766	332	358	.00	294	.00
12	.00	.00	.00	.00	736	67	522	328	360	.00	458	.00
13	.00	.00	.00	456	786	.00	452	324	362	.00	510	.00
14	.00	.00	.00	602	784	.00	718	336	340	.00	488	.00
15	.00	.00	.00	614	790	42	716	388	108	.00	502	.00
16	.00	.00	.00	746	798	.00	394	449	.00	.00	522	.00
17	.00	.00	.00	778	758	.00	.00	457	.00	.00	496	.00
18	.00	.00	.00	774	476	.00	.00	466	386	174	506	.00
19	242	.00	.00	774	333	.00	390	664	574	294	526	.00
20	356	.00	.00	742	379	.00	716	730	570	454	664	.00
21	358	.00	.00	744	365	.00	720	746	380	596	708	.00
22	366	.00	.00	754	208	.00	740	750	382	598	720	.00
23	368	.00	120	776	.00	519	834	720	292	594	276	.00
24	366	.00	185	786	.00	216	876	736	82	582	.00	.00
25	362	.00	180	250	238	390	882	862	.00	582	.00	.00
26	366	.00	178	.00	225	610	874	910	.00	489	.00	.00
27	358	.00	74	.00	.00	762	868	884	.00	454	.00	.00
28	136	.00	.00	.00	.00	790	864	342	.00	327	.00	.00
29	206	.00	.00	462	---	766	858	.00	.00	281	.00	.00
30	366	.00	.00	744	---	740	680	.00	.00	374	.00	.00
31	358	---	.00	798	---	746	---	.00	---	408	.00	---
TOTAL	4208.00	1322.00	845.00	10800.00	15002.00	6533.00	20342.00	14920.00	4484.00	6241.00	11816.00	0.00
MEAN	136	44.1	27.3	348	536	211	678	481	149	201	381	.000
MAX	368	372	185	798	798	790	882	910	574	598	720	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	8350	2620	1680	21420	29760	12960	40350	29590	8890	12380	23440	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1993, BY WATER YEAR (WY)

MEAN	55.4	151	209	202	214	231	310	284	90.4	26.0	79.4	-2.82
MAX	414	470	641	685	637	610	678	743	589	706	1156	1183
(WY)	1943	1975	1961	1960	1949	1949	1993	1965	1979	1992	1959	1959
MIN	-350	-247	-77.0	-13.6	-80.6	-21.2	-99.6	-170	-1130	-939	-528	-813
(WY)	1951	1964	1964	1941	1941	1982	1962	1976	1942	1947	1953	1945

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1940 - 1993	
ANNUAL TOTAL	82530.00		96513.00			
ANNUAL MEAN	225		264		156	
HIGHEST ANNUAL MEAN					374	1961
LOWEST ANNUAL MEAN					-20.8	1962
HIGHEST DAILY MEAN	1050	May 30	910	May 26	1610	Oct 2 1959
LOWEST DAILY MEAN	.00	Jan 3	.00	Oct 1	-1760	Jun 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 5	.00	Oct 1	-1640	Jun 11 1942
ANNUAL RUNOFF (AC-FT)	163700		191400		113400	
10 PERCENT EXCEEDS	752		757		506	
50 PERCENT EXCEEDS	.00		67		70	
90 PERCENT EXCEEDS	.00		.00		.00	

02278002 WEST PALM BEACH CANAL BELOW S-352, AT CANAL POINT, FL

LOCATION.--Lat 26°51'45", long 80°37'50", in NE1/4 sec.33, T.41 S., R.37 E., Palm Beach County, Hydrologic Unit 03090202, at northwest corner of old lock, 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-level 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 gate structure S-352, 700 ft upstream and pumping at structure 5-A, 20 mi downstream, and to lesser degree by local pumping and drainage for agricultural purposes. Formerly published as West Palm Beach Canal below HGS-5, at Canal Point.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 18.70 ft Oct. 12, 1947; minimum, 6.90 ft observed, October 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.92 ft Oct. 1; minimum, 8.33 ft Sept. 18.

STATION NUMBER 02278002
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.84	11.66	11.19	10.91	11.64	10.97	11.75	10.71	12.41	10.92	11.26	11.73
2	13.60	11.51	11.30	10.00	11.60	11.02	11.51	10.76	11.05	10.04	11.49	10.80
3	12.51	11.61	11.19	9.05	11.60	10.99	11.40	11.08	9.79	9.94	11.40	10.86
4	11.44	11.68	11.07	9.36	11.66	11.36	11.37	11.78	10.66	10.24	11.25	9.68
5	10.47	11.64	11.02	9.01	11.29	11.37	11.62	11.87	10.75	10.36	11.21	11.29
6	9.71	11.66	10.84	9.14	11.60	11.06	11.66	11.90	10.14	10.57	11.47	11.14
7	9.21	11.67	10.72	9.87	11.31	10.86	11.61	12.08	9.38	10.88	11.35	11.56
8	9.58	11.44	10.86	9.44	11.53	11.18	11.61	12.02	9.58	11.01	11.34	9.84
9	8.88	11.46	10.84	11.41	11.45	11.67	11.60	11.15	9.74	11.25	11.20	9.49
10	8.99	10.55	11.00	11.24	11.63	11.77	11.48	11.18	9.98	11.20	11.33	9.90
11	8.98	9.69	10.93	10.29	11.36	11.70	11.26	11.42	10.32	10.94	10.93	10.06
12	9.77	10.64	10.95	9.42	11.92	11.53	11.49	11.48	10.27	11.07	11.01	10.30
13	9.77	9.64	11.30	10.66	11.37	11.37	11.12	11.62	10.22	11.24	11.60	8.88
14	10.43	10.58	11.19	11.66	11.27	10.98	11.64	11.43	10.70	10.98	11.80	9.18
15	10.75	10.25	11.15	11.24	11.04	10.80	11.54	11.62	11.40	10.80	11.73	8.98
16	10.53	10.41	11.14	11.78	11.50	10.85	11.26	12.03	11.09	10.91	11.57	9.04
17	10.34	11.24	11.01	11.34	11.42	9.07	9.30	11.63	10.26	10.97	11.74	9.42
18	10.20	10.81	11.01	11.31	10.51	9.97	9.81	11.24	10.64	11.14	11.62	9.36
19	10.93	8.85	11.32	11.29	10.87	12.24	10.57	11.40	11.56	11.36	11.46	9.57
20	12.03	9.67	11.33	11.66	11.32	10.45	11.58	11.85	11.59	10.99	11.48	10.15
21	11.95	9.97	11.03	11.61	11.62	11.06	11.56	11.70	11.25	11.22	11.84	10.46
22	11.74	9.48	10.88	11.53	11.66	11.13	11.45	11.58	11.11	11.18	11.75	10.55
23	11.73	9.14	11.09	11.26	11.71	11.04	11.61	11.59	11.37	11.16	11.75	10.49
24	11.83	9.11	11.40	11.11	9.91	11.30	11.83	11.45	11.05	11.26	11.54	10.63
25	11.93	9.65	11.61	10.78	10.36	11.17	11.76	11.72	10.36	11.23	11.01	10.53
26	11.79	9.81	11.73	12.15	11.44	11.38	11.83	12.08	10.45	11.26	10.47	10.56
27	11.91	9.61	11.83	12.45	11.62	11.48	11.87	12.15	11.01	11.03	11.35	10.68
28	11.72	9.83	11.35	10.38	11.25	11.17	11.80	11.82	11.14	10.71	11.64	10.87
29	11.40	10.66	10.87	10.74	---	11.41	11.80	12.30	9.85	10.84	9.70	11.06
30	11.70	11.04	11.26	11.93	---	11.69	11.23	12.67	9.66	11.08	10.67	11.19
31	11.88	---	10.54	11.30	---	11.60	---	12.78	---	11.26	11.91	---
TOTAL	341.54	314.96	344.95	335.32	317.46	345.64	341.92	362.09	318.78	339.04	351.87	308.25
MEAN	11.02	10.50	11.13	10.82	11.34	11.15	11.40	11.68	10.63	10.94	11.35	10.27
MAX	13.84	11.68	11.83	12.45	11.92	12.24	11.87	12.78	12.41	11.36	11.91	11.73
MIN	8.88	8.85	10.54	9.01	9.91	9.07	9.30	10.71	9.38	9.94	9.70	8.88

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

LOCATION.--Lat 26°55'01", long 80°36'49", in SE1/4 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, at Sand Cut.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1976 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those estimated which are fair. 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).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 13 complete years of discharge (1977-89).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.55 ft Oct. 5, 1983; minimum, 8.80 ft Nov. 1, 4, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.47 ft Jan. 27; minimum, 12.45 ft June 9.

STATION NUMBER 265501080364900
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.22	15.88	16.07	15.69	16.12	16.08	16.28	14.70	14.82	14.54	14.01	13.91
2	17.11	15.76	16.01	16.07	16.15	16.03	16.27	14.73	14.82	14.55	13.99	13.90
3	17.03	15.64	16.05	16.01	15.81	15.94	16.15	14.67	14.83	14.48	13.94	14.00
4	17.01	15.50	16.06	16.13	15.56	16.01	16.04	14.62	14.81	14.45	13.74	14.01
5	17.04	15.39	16.04	16.17	15.50	16.00	16.06	14.61	14.58	14.45	13.72	13.92
6	16.97	15.52	16.01	16.12	16.02	16.00	16.03	14.57	14.19	14.45	13.59	14.04
7	16.81	15.70	15.95	16.06	16.10	15.91	15.68	14.46	13.75	14.50	13.67	14.14
8	16.61	15.76	15.94	16.03	15.97	15.90	14.75	14.45	13.17	14.47	13.56	14.16
9	16.51	15.92	15.88	16.24	15.83	15.71	14.62	14.73	12.93	14.51	13.49	14.14
10	16.33	16.18	15.93	16.39	15.63	15.66	15.40	14.92	14.04	---	13.48	14.19
11	16.04	16.36	16.26	16.34	15.50	15.47	15.45	14.87	14.32	---	13.51	14.17
12	15.84	16.47	16.25	16.27	15.93	15.51	15.40	14.81	14.42	---	13.56	14.23
13	15.53	16.44	15.95	16.06	15.97	15.67	15.43	14.85	14.42	---	13.71	14.17
14	15.02	16.26	16.09	16.21	15.73	15.96	15.25	14.91	14.41	---	13.67	14.12
15	14.60	16.13	16.10	16.28	15.41	15.71	15.19	14.99	14.43	---	13.68	14.19
16	14.37	16.07	16.09	16.27	15.07	15.62	15.47	14.68	14.36	---	13.70	14.15
17	14.48	15.97	16.09	16.25	14.69	15.74	15.59	14.46	14.23	---	13.63	14.11
18	14.53	16.06	16.06	16.17	14.33	15.95	15.41	14.32	14.23	---	13.57	14.11
19	14.45	15.75	15.90	16.11	13.96	16.08	15.31	14.27	14.28	---	13.49	14.10
20	14.32	15.35	15.80	16.00	13.52	16.09	15.22	14.23	14.26	14.29	13.45	14.06
21	15.08	15.10	16.02	15.88	13.08	16.17	15.25	14.28	14.19	14.23	13.42	14.09
22	15.83	15.02	16.01	15.83	12.74	16.27	15.25	14.21	14.15	14.07	13.40	14.15
23	16.23	15.40	15.60	15.60	13.55	16.32	15.17	14.16	14.03	14.06	13.43	14.03
24	16.38	15.51	15.38	15.40	14.85	16.40	15.10	14.07	14.19	13.95	13.51	13.74
25	16.39	16.08	15.29	15.80	15.62	16.39	15.08	14.15	14.24	13.88	13.54	13.49
26	16.37	16.17	15.41	16.77	16.03	16.40	15.07	14.48	14.27	13.88	13.50	13.87
27	16.31	16.07	15.38	17.13	16.16	16.41	14.96	14.40	14.30	13.89	13.60	13.71
28	16.27	16.18	15.54	16.92	16.13	16.39	14.79	14.46	14.44	13.91	13.70	13.60
29	16.19	16.20	15.76	16.80	---	16.32	14.76	14.62	14.49	13.87	13.67	13.45
30	16.06	16.13	15.70	16.47	---	16.27	14.72	14.76	14.52	13.88	13.77	13.37
31	15.96	---	15.65	16.09	---	16.25	---	14.76	---	13.97	13.90	---
TOTAL	494.89	475.97	492.27	501.56	426.96	496.63	461.15	451.20	428.12	---	422.60	419.32
MEAN	15.96	15.87	15.88	16.18	15.25	16.02	15.37	14.55	14.27	---	13.63	13.98
MAX	17.22	16.47	16.26	17.13	16.16	16.41	16.28	14.99	14.83	---	14.01	14.23
MIN	14.32	15.02	15.29	15.40	12.74	15.47	14.62	14.07	12.93	---	13.40	13.37

265501080364900 LEVEE 8 CANAL NEAR CANAL POINT, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1400	104	---	89	61	-110	156	336	-81	39	77	-303
2	-1290	106	---	-135	76	-69	210	331	-28	-30	e60	-203
3	-1110	105	62	-118	99	25	181	335	-1.8	27	e98	-309
4	-900	104	50	-160	97	13	180	349	28	77	148	-335
5	-760	98	50	-134	93	13	224	344	27	36	169	-135
6	-664	60	61	9.7	56	-39	251	343	20	-18	191	-281
7	-544	81	64	45	36	37	160	350	28	-116	159	-402
8	-197	87	76	49	32	69	52	342	27	-88	168	-363
9	-32	-61	93	-67	47	204	263	271	142	e-170	179	-302
10	44	-359	71	-127	49	223	420	213	281	---	177	-312
11	78	-500	46	24	87	275	378	222	216	---	176	-213
12	73	-599	-93	61	39	235	374	246	174	---	166	-231
13	118	-471	72	49	34	414	357	250	179	---	99	-160
14	103	-200	-48	46	60	148	373	250	161	---	126	-100
15	86	-32	-67	63	91	156	360	169	133	---	142	-183
16	79	-17	-79	39	77	162	330	261	128	---	136	-109
17	78	53	-71	48	71	176	326	292	144	---	137	-42
18	79	-68	-9.2	64	65	132	337	310	144	---	151	-18
19	80	83	83	58	71	-127	342	326	105	---	178	-23
20	80	95	99	62	62	-85	362	329	123	e-103	178	-.26
21	82	80	25	81	55	-155	358	316	157	6.8	179	-4.7
22	80	84	4.7	26	49	-294	382	304	178	116	172	-34
23	17	92	100	61	62	-309	356	265	223	102	155	21
24	-45	98	87	87	77	-358	331	287	161	e121	97	16
25	-78	---	68	77	78	-292	330	360	136	---	66	16
26	-105	---	73	-242	-24	-203	335	360	141	e140	58	19
27	-67	---	85	-472	-124	-107	344	363	144	125	-52	18
28	-9.6	---	91	-557	-93	14	347	319	48	120	-157	16
29	51	---	76	-359	---	34	347	81	39	143	-121	17
30	82	---	97	82	---	54	352	-159	95	130	-252	16
31	95	---	89	85	---	104	---	-136	---	110	-339	---
TOTAL	-5896.6	---	---	-1165.3	1383	340	9118	8229	3271.2	---	2721	-3923.96
MEAN	-190	---	---	-37.6	49.4	11.0	304	265	109	---	87.8	-131
MAX	118	---	---	89	99	414	420	363	281	---	191	21
MIN	-1400	---	---	-557	-124	-358	52	-159	-81	---	-339	-402
AC-FT	-11700	---	---	-2310	2740	674	18090	16320	6490	---	5400	-7780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1993, BY WATER YEAR (WY)

MEAN	-46.2	4.83	39.1	40.8	43.0	34.4	105	135	-10.1	-107	-87.5	-130
MAX	365	192	359	363	318	200	393	349	227	111	160	42.4
(WY)	1989	1989	1989	1989	1989	1985	1987	1987	1987	1979	1977	1987
MIN	-272	-313	-182	-107	-28.7	-107	-226	-93.6	-377	-693	-331	-605
(WY)	1986	1988	1978	1987	1991	1982	1991	1982	1991	1991	1992	1981

SUMMARY STATISTICS	WATER YEARS 1976 - 1993	
ANNUAL MEAN	13.5	
HIGHEST ANNUAL MEAN	125	1989
LOWEST ANNUAL MEAN	-113	1982
HIGHEST DAILY MEAN	766	Apr 25 1983
LOWEST DAILY MEAN	-1400	Sep 30 1992
ANNUAL SEVEN-DAY MINIMUM	-1160	Sep 29 1992
ANNUAL RUNOFF (AC-FT)	9750	
10 PERCENT EXCEEDS	204	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	-209	

e Estimated

No flow for one or more days during the period of record

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°22'15", in SW1/4 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.--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 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 and extremes for period of record.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1958-93).

REVISIONS.--Discharge has been revised for the 1983 water year superseding discharge published in WDR FL-83-2A.

SEE FOLLOWING PAGE FOR TABLE OF DISCHARGE

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	191	-208	.00	.00	2460	170	-497	2490	.00	.00	1510
2	2330	.00	-240	.00	1600	685	.00	-353	878	.00	757	1260
3	2560	.00	-233	.00	1370	621	.00	-327	962	.00	.00	114
4	2360	382	-205	.00	21	573	800	-212	.00	.00	.00	.00
5	1810	308	-212	.00	.00	.00	.00	-283	.00	.00	976	.00
6	2350	138	-194	.00	.00	.00	.00	-400	398	.00	597	.00
7	2250	.00	-183	.00	2210	1510	.00	-460	2110	.00	321	-310
8	1710	774	-179	.00	518	1100	.00	-441	2540	200	909	-539
9	1020	941	-190	.00	.00	698	.00	-298	3730	385	903	-530
10	204	-610	-292	.00	1140	.00	494	-454	4290	317	207	-505
11	-217	-257	-418	.00	2150	781	599	-510	3860	221	111	-517
12	554	-285	-414	.00	1560	.00	.00	-521	2620	93	138	-565
13	235	-368	-302	-231	2300	.00	.00	-555	2090	20	396	-45
14	386	-353	-321	-288	3240	.00	.00	-542	1590	-300	2030	253
15	-150	-323	-139	-176	2830	783	.00	-478	674	-460	626	507
16	-253	659	.00	-182	2300	1380	.00	-298	.00	-445	179	1850
17	-215	400	.00	-190	3230	1730	.00	-364	505	-325	982	2040
18	190	-506	-113	-62	2570	302	-299	-455	.00	.00	1230	1710
19	-130	-192	-161	.00	1410	.00	-334	-427	.00	.00	1060	2470
20	-284	.00	-150	1880	822	.00	-219	-350	.00	.00	.00	1520
21	-314	.00	-149	3170	.00	1060	-403	-307	.00	.00	.00	874
22	-318	-272	-175	2770	1890	.00	-421	-320	.00	747	-45	345
23	-303	-344	-193	2330	353	.00	-363	-289	.00	738	673	2210
24	223	-308	-197	2150	.00	1490	-20	-282	.00	-228	.00	2350
25	-280	-289	-195	781	.00	708	.00	-289	.00	-207	1960	2660
26	-250	-271	-186	694	1270	.00	-289	-323	.00	-284	1100	2040
27	-221	-273	-62	.00	1530	.00	-231	-308	.00	-309	.00	676
28	-211	-255	.00	.00	2680	963	-413	-315	.00	-90	.00	1600
29	-75	-250	.00	.00	---	.00	-418	-365	.00	.00	.00	309
30	.00	-224	.00	.00	---	.00	-490	-502	.00	.00	.00	380
31	.00	---	.00	.00	---	1720	---	-273	---	.00	.00	---
TOTAL	17131.00	-1587.00	-5311.00	12646.00	36994.00	18564.00	-1837.00	-11798	28737.00	73.00	15110.00	23667.00
MEAN	553	-52.9	-171	408	1321	599	-61.2	-381	958	2.35	487	789
MAX	2560	941	.00	3170	3240	2460	800	-212	4290	747	2030	2660
MIN	-318	-610	-418	-288	.00	.00	-490	-555	.00	-460	-45	-565
AC-FT	33980	-3150	-10530	25080	73380	36820	-3640	-23400	57000	145	29970	46940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1983, BY WATER YEAR (WY)

MEAN	420	194	232	339	310	330	258	373	579	530	695	810
MAX	1132	538	821	2149	1321	1588	840	1174	1865	1202	1894	2040
(WY)	1960	1960	1978	1958	1983	1970	1960	1976	1968	1968	1959	1959
MIN	-132	-64.2	-171	.000	-11.1	-69.3	-61.2	-381	-22.3	-98.8	161	-107
(WY)	1982	1982	1983	1975	1977	1975	1983	1983	1979	1979	1980	1970

SUMMARY STATISTICS	FOR 1982 CALENDAR YEAR		FOR 1983 WATER YEAR		WATER YEARS 1958 - 1983	
ANNUAL TOTAL	153744.40		132389.00			
ANNUAL MEAN	421		363		423	
HIGHEST ANNUAL MEAN					716	1960
LOWEST ANNUAL MEAN					182	1971
HIGHEST DAILY MEAN	4160	Mar 30	4290	Jun 10	5230	Mar 27 1970
LOWEST DAILY MEAN	-735	May 8	-610	Nov 10	-783	Jun 4 1980
ANNUAL SEVEN-DAY MINIMUM	-504	May 6	-480	May 9	-599	May 20 1977
ANNUAL RUNOFF (AC-FT)	305000		262600		306400	
10 PERCENT EXCEEDS	1970		1920		1330	
50 PERCENT EXCEEDS	.00		.00		188	
90 PERCENT EXCEEDS	-313		-346		-20	

REVISED

02278450 WEST PALM BEACH CANAL ABOVE S-5A, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4620	.00	.00	814	1050	.00	858	-166	3120	982	.00	3690
2	4240	.00	.00	2370	1230	.00	816	-165	2100	618	.00	2970
3	4000	.00	.00	1730	1180	.00	525	-161	769	.00	.00	2690
4	2700	.00	.00	1400	814	.00	549	-142	.00	.00	.00	1310
5	1980	.00	.00	825	1450	.00	1030	-128	.00	.00	.00	864
6	1290	.00	.00	556	578	.00	840	-126	724	.00	.00	1390
7	994	.00	-92	606	983	.00	601	-103	.00	.00	.00	2050
8	1060	.00	-213	712	915	.00	793	.00	.00	.00	.00	1470
9	706	1920	-215	2420	582	.00	700	.00	.00	.00	.00	505
10	525	2650	357	2960	938	.00	989	.00	.00	.00	.00	606
11	88	1890	.00	2100	766	.00	488	.00	.00	.00	.00	913
12	357	2380	-226	1330	1560	.00	-172	.00	.00	.00	.00	2120
13	290	965	-143	1180	940	.00	10	.00	.00	.00	.00	1650
14	-198	853	.00	1570	820	.00	312	.00	.00	.00	.00	1310
15	31	779	.00	948	747	.00	130	.00	.00	.00	.00	1390
16	.00	.00	.00	1540	726	1340	1420	.00	764	.00	.00	936
17	.00	.00	.00	1410	808	652	193	.00	680	.00	.00	546
18	.00	1570	-129	1130	275	504	159	.00	.00	.00	.00	568
19	-295	353	-202	806	.00	2030	409	.00	.00	.00	.00	.00
20	-260	959	-74	1120	.00	989	717	.00	.00	.00	.00	.00
21	.00	1800	.00	816	.00	756	737	.00	.00	.00	.00	.00
22	.00	1710	-137	973	-98	1150	681	.00	.00	.00	.00	.00
23	.00	1260	-73	816	426	1300	432	.00	.00	.00	.00	.00
24	.00	482	.00	790	548	2060	528	.00	.00	.00	.00	-275
25	.00	562	.00	1760	.00	1470	526	.00	674	.00	524	.00
26	.00	.00	.00	3540	.00	1410	554	.00	.00	.00	690	.00
27	.00	617	.00	3990	.00	937	611	.00	.00	.00	969	.00
28	.00	.00	1150	2800	.00	814	452	.00	1870	.00	1670	.00
29	.00	.00	.00	1820	---	594	371	1860	2040	.00	2120	.00
30	.00	.00	.00	1810	---	696	457	3030	997	.00	3000	.00
31	.00	---	736	1210	---	816	---	3010	---	.00	3800	---
TOTAL	22128.00	20750.00	739.00	47852	17238.00	17518.00	16716	6909.00	13738.00	1600.00	12773.00	26703.00
MEAN	714	692	23.8	1544	616	565	557	223	458	51.6	412	890
MAX	4620	2650	1150	3990	1560	2060	1420	3030	3120	982	3800	3690
MIN	-295	.00	-226	556	-98	.00	-172	-166	.00	.00	.00	-275
AC-FT	43890	41160	1470	94910	34190	34750	33160	13700	27250	3170	25340	52970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	396	207	193	338	263	316	242	319	503	551	645	765
MAX	1132	1381	821	2149	1321	1588	840	1174	1865	1309	1894	2040
(WY)	1960	1988	1978	1958	1983	1970	1960	1976	1968	1988	1959	1959
MIN	-408	-230	-242	-148	-180	-69.3	-165	-381	-101	-98.8	-162	-107
(WY)	1989	1990	1985	1985	1985	1975	1986	1983	1987	1979	1984	1970

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1958 - 1993	
ANNUAL TOTAL	207183.00		204664.00			
ANNUAL MEAN	566		561		395	
HIGHEST ANNUAL MEAN					716	1960
LOWEST ANNUAL MEAN					150	1990
HIGHEST DAILY MEAN	4740	Sep 30	4620	Oct 1	5230	Mar 27 1970
LOWEST DAILY MEAN	-295	Oct 19	-295	Oct 19	-967	Jun 3 1991
ANNUAL SEVEN-DAY MINIMUM	-103	Oct 14	-142	May 1	-624	Jun 6 1984
ANNUAL RUNOFF (AC-FT)	410900		406000		286500	
10 PERCENT EXCEEDS	1770		1780		1350	
50 PERCENT EXCEEDS	90		.00		132	
90 PERCENT EXCEEDS	.00		.00		-84	

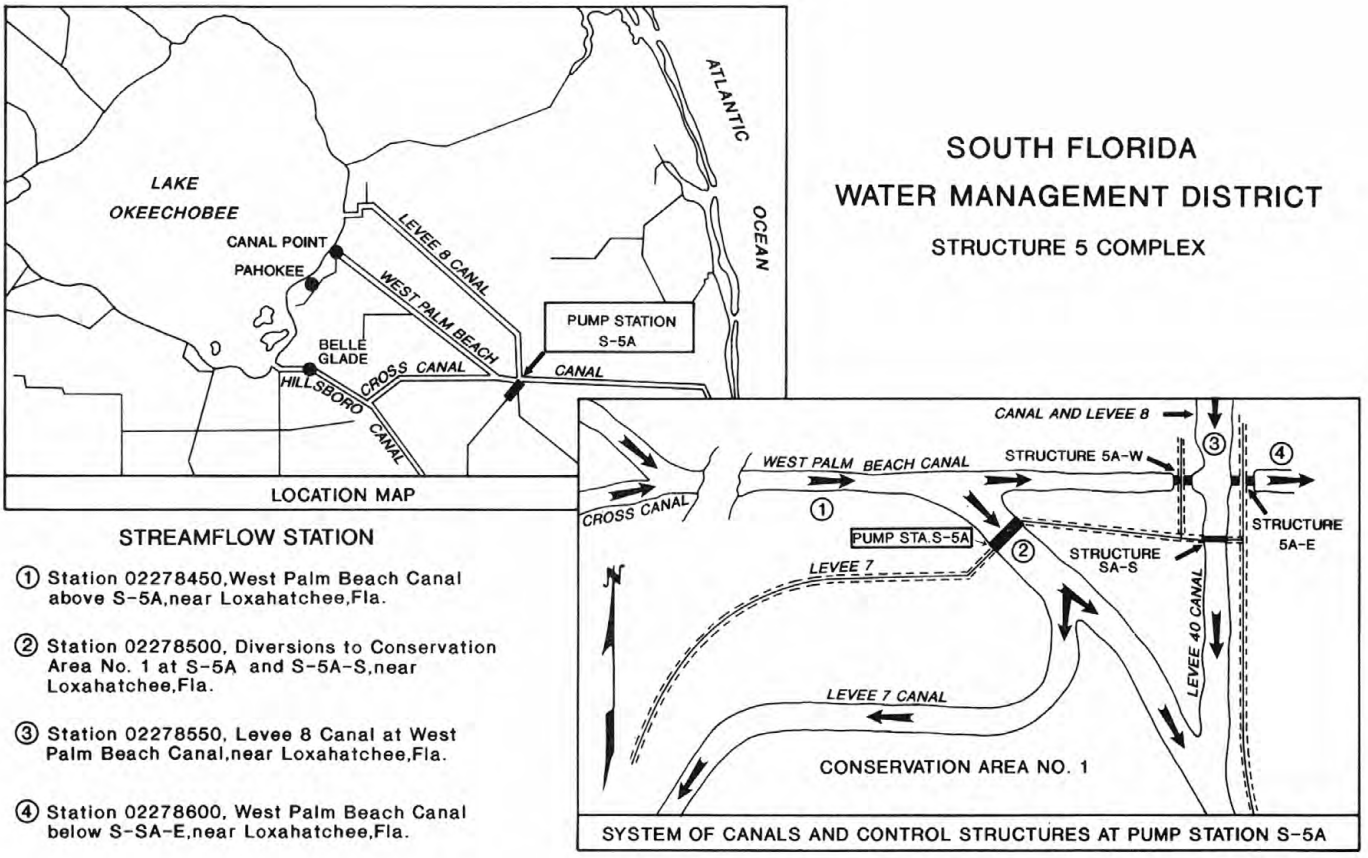


FIGURE 6. South Florida Water Management District, Structure 5 Complex.

02278500 DIVERSIONS TO CONSERVATION AREA N0. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in SW1/4 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 recorder 500 ft upstream and in Levee 8 Canal, and auxiliary water-stage recorder upstream from S-5A-W and downstream from S-5A-E. Prior to October 1981, all gages at datum 0.24 ft higher.

REMARKS.--Records fair. Normal flow is considered as that to the south into Conservation Area No. 1. Flow is controlled by S-5A pumpage, syphoning, gate operation of S-5A-S, and regulation of Cross Canal, 1.5 mi upstream, and gate structure S-352, 20 mi upstream. Negative figures indicate releases from gate S-5A-S. The discharge is summation of S-5A pumpage, syphoning and S-5A-S gate flow. Stage determined from either of 3 sources, digital recorder at 02278500, DCP stage from either 02278520 or 02278502 stations.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1958-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.26 ft present datum, Oct. 3, 1957; minimum, 6.86 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.22 ft Feb. 23; minimum, 8.27 Apr. 17.

STATION NUMBER 02278500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.22	11.51	11.29	10.61	9.43	11.07	9.55	10.19	9.33	10.37	11.22	8.91
2	9.07	11.20	11.37	8.98	8.96	10.98	9.39	10.42	8.72	9.79	11.35	8.85
3	8.85	11.18	11.30	8.79	8.97	10.95	9.52	10.50	9.03	9.99	11.10	9.16
4	8.85	11.46	11.15	8.88	9.07	11.47	9.73	10.99	10.45	10.28	10.95	9.15
5	8.76	11.68	11.11	8.94	9.14	11.48	9.72	11.14	10.75	10.41	10.73	10.92
6	8.93	11.72	10.91	9.19	9.43	11.17	9.56	11.23	9.77	10.61	10.79	10.38
7	8.64	11.77	10.79	9.67	9.15	10.95	9.78	11.18	9.41	10.76	10.87	9.94
8	9.29	11.53	11.01	9.29	9.22	10.98	9.55	11.54	9.59	11.01	10.98	8.75
9	8.86	10.19	10.83	9.47	9.31	11.51	9.60	11.18	9.77	11.20	10.74	9.21
10	8.99	8.81	10.87	8.95	9.48	11.68	9.25	10.94	9.55	11.27	10.99	9.65
11	9.07	8.78	11.13	8.91	8.90	11.67	9.39	11.04	9.68	11.01	10.75	9.71
12	9.69	8.96	11.12	8.80	9.08	11.41	10.71	11.12	9.84	11.11	10.62	9.57
13	9.69	9.31	11.40	8.98	8.89	11.69	10.26	11.36	10.04	11.27	11.23	8.71
14	10.50	10.34	11.28	8.84	8.97	11.20	9.88	11.26	10.48	11.03	11.52	9.04
15	10.80	10.12	11.22	9.21	8.87	10.85	9.67	11.23	11.40	10.86	11.58	8.88
16	10.63	10.53	11.18	8.90	9.01	9.84	9.73	11.53	10.86	10.98	11.36	9.05
17	10.44	11.26	11.07	8.73	9.03	8.80	9.35	11.23	10.05	11.05	11.46	9.31
18	10.31	10.07	11.10	8.91	9.60	9.51	9.84	10.78	10.11	11.02	11.33	9.34
19	10.71	8.71	11.38	9.00	10.15	9.97	9.63	10.55	10.99	11.11	11.12	9.65
20	11.68	8.92	11.40	9.17	10.82	9.29	9.65	11.03	11.21	10.58	10.94	10.22
21	11.58	9.06	11.10	9.06	11.23	10.46	9.61	10.96	11.03	10.49	11.08	10.54
22	11.39	8.83	10.95	9.10	11.47	10.18	9.52	10.64	10.81	10.49	11.17	10.65
23	11.40	8.81	11.06	8.86	11.71	9.60	9.49	10.74	11.15	10.38	11.44	10.57
24	11.60	9.02	11.36	8.84	9.94	8.95	9.63	10.60	10.99	10.58	11.56	10.76
25	11.81	9.46	11.52	8.87	9.96	8.84	9.80	10.38	10.16	10.79	10.88	10.61
26	11.58	9.85	11.69	9.84	11.04	8.97	9.80	10.59	10.51	10.98	10.26	10.63
27	11.63	9.47	11.82	9.95	11.72	9.28	9.64	10.83	11.08	10.84	11.10	10.77
28	11.64	10.00	10.74	8.78	11.38	9.10	9.62	11.25	10.00	10.63	11.05	10.96
29	11.25	10.81	10.97	9.00	---	9.65	9.75	10.42	8.72	10.70	9.01	11.16
30	11.33	11.16	11.35	8.76	---	9.89	9.68	8.77	9.35	10.88	9.13	11.30
31	11.63	---	10.28	8.77	---	9.42	---	9.03	---	11.11	9.18	---
TOTAL	319.82	304.52	345.75	282.05	273.93	320.81	290.30	334.65	304.83	333.58	337.49	296.35
MEAN	10.32	10.15	11.15	9.10	9.78	10.35	9.68	10.80	10.16	10.76	10.89	9.88
MAX	11.81	11.77	11.82	10.61	11.72	11.69	10.71	11.54	11.40	11.27	11.58	11.30
MIN	8.64	8.71	10.28	8.73	8.87	8.80	9.25	8.77	8.72	9.79	9.01	8.71

02278500 DIVERSIONS TO CONSERVATION AREA N0. 1 AT S-5A AND S-5A-S, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5790	.00	.00	814	1050	.00	1290	.00	3120	982	.00	3690
2	5320	.00	.00	2370	1360	.00	1280	.00	2100	618	.00	2970
3	4920	.00	.00	1730	1190	.00	960	.00	769	.00	.00	2690
4	3710	.00	.00	1400	814	.00	932	.00	.00	.00	.00	1310
5	2730	.00	.00	825	1470	.00	1320	.00	.00	.00	.00	864
6	1660	.00	.00	556	821	.00	1070	.00	724	.00	.00	1390
7	1580	.00	.00	606	1230	.00	817	.00	.00	.00	.00	2050
8	1540	.00	.00	712	1160	.00	994	.00	.00	.00	.00	1470
9	1370	1920	.00	2420	821	.00	876	.00	.00	.00	.00	505
10	1120	2650	428	3070	1170	.00	1190	.00	.00	.00	.00	606
11	535	1890	.00	2350	886	.00	691	.00	.00	.00	.00	913
12	732	2430	.00	1580	1560	.00	.00	.00	.00	.00	.00	2120
13	704	1220	.00	1270	940	.00	204	.00	.00	.00	.00	1650
14	.00	1120	.00	1570	820	.00	500	.00	.00	.00	.00	1310
15	31	998	.00	948	747	.00	310	.00	.00	.00	.00	1390
16	.00	.00	.00	1540	726	1340	1530	.00	764	.00	.00	936
17	.00	.00	.00	1410	808	652	193	.00	680	.00	.00	546
18	.00	2070	.00	1130	275	504	159	.00	.00	.00	.00	568
19	.00	792	.00	806	.00	2030	409	.00	.00	.00	.00	.00
20	.00	1340	.00	1120	.00	989	825	.00	.00	.00	.00	-37
21	.00	2400	.00	816	.00	831	942	.00	.00	.00	.00	-94
22	.00	2140	.00	973	.00	1410	878	.00	.00	.00	.00	-41
23	.00	1350	.00	816	517	1560	634	.00	.00	.00	.00	.00
24	.00	482	.00	790	548	2290	727	.00	.00	.00	.00	-203
25	.00	562	.00	1810	.00	1570	723	.00	674	.00	524	.00
26	.00	.00	.00	3870	.00	1490	757	.00	.00	.00	690	.00
27	.00	617	.00	4400	.00	1090	808	.00	.00	.00	969	.00
28	.00	.00	1150	2850	.00	1000	640	.00	1870	.00	1670	.00
29	.00	.00	.00	2120	---	830	545	1860	2040	.00	2120	.00
30	.00	.00	.00	2220	---	948	631	3030	997	.00	3000	.00
31	.00	---	736	1210	---	1080	---	3010	---	.00	3800	---
TOTAL	31742.00	23981.00	2314.00	50102	18913.00	19614.00	22835.00	7900.00	13738.00	1600.00	12773.00	26603.00
MEAN	1024	799	74.6	1616	675	633	761	255	458	51.6	412	887
MAX	5790	2650	1150	4400	1560	2290	1530	3030	3120	982	3800	3690
MIN	.00	.00	.00	556	.00	.00	.00	.00	.00	.00	.00	-203
AC-FT	62960	47570	4590	99380	37510	38900	45290	15670	27250	3170	25340	52770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	484	173	117	284	175	238	144	279	527	536	637	848
MAX	1326	1719	875	2605	1478	1992	820	1440	2750	1592	1728	2637
(WY)	1960	1988	1978	1958	1983	1970	1991	1984	1968	1968	1974	1960
MIN	-204	-870	-537	-460	-456	-137	-135	-160	-300	-136	-141	18.2
(WY)	1981	1992	1992	1984	1987	1979	1983	1983	1989	1989	1984	1961

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1958 - 1993	
ANNUAL TOTAL	215329.00		232115.00			
ANNUAL MEAN	588		636		371	
HIGHEST ANNUAL MEAN					660	1966
LOWEST ANNUAL MEAN					111	1971
HIGHEST DAILY MEAN	5790	Oct 1	5790	Oct 1	7040	Mar 28 1970
LOWEST DAILY MEAN	-329	Jul 6	-203	Sep 24	-2200	Apr 27 1982
ANNUAL SEVEN-DAY MINIMUM	-81	Jun 8	-54	Sep 19	-1570	Nov 23 1991
ANNUAL RUNOFF (AC-FT)	427100		460400		268800	
10 PERCENT EXCEEDS	2050		1880		1470	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

02278501 CONSERVATION AREA NO. 1 BELOW S-5 COMPLEX, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'00", long 80°22'10", in SW1/4 sec.32, T.43 S., R40 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).

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. Discharge for S-5A-S is stored under this station number in ADAPS starting 1991 water year. Records of gage height prior to October 1967 are available from the files of the Geological Survey.

EXTREME STAGES 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.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.79 ft Oct. 3; minimum, 12.84 ft May 27.

STATION NUMBER 02278501
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.60	16.30	16.80	16.73	17.00	15.46	15.67	14.95	15.69	15.55	14.92	16.43
2	17.67	16.29	16.80	17.00	16.95	15.49	15.61	14.90	15.68	15.50	14.91	16.46
3	17.61	16.28	16.77	17.09	16.87	15.55	15.46	14.88	15.46	15.37	14.91	16.44
4	17.49	16.29	16.77	17.13	16.80	15.52	15.38	14.84	15.28	15.23	14.86	16.41
5	17.36	16.30	16.76	17.12	16.77	15.48	15.52	14.79	15.23	15.10	14.82	16.25
6	17.25	16.27	16.75	17.11	16.74	15.46	15.51	14.73	15.35	14.98	14.80	16.23
7	17.14	16.34	16.75	17.09	16.72	15.46	15.38	14.68	15.33	14.92	14.76	16.30
8	17.03	16.36	16.74	17.06	16.66	15.42	15.41	14.65	15.30	14.95	14.73	16.26
9	16.93	16.55	16.72	17.12	16.59	15.40	15.47	14.64	15.26	14.96	14.73	16.20
10	16.84	16.91	16.78	17.25	16.54	15.41	15.48	14.60	15.23	14.94	14.75	16.18
11	16.75	16.95	16.74	17.36	16.50	15.37	15.31	14.58	15.20	14.94	14.73	16.19
12	16.70	17.02	16.70	17.31	16.54	15.38	15.10	14.54	15.18	14.95	14.72	16.32
13	16.65	17.04	16.70	17.24	16.51	15.50	14.97	14.49	15.16	14.95	14.73	16.42
14	16.58	17.02	16.68	17.22	16.35	15.33	15.03	14.42	15.13	14.96	14.71	16.41
15	16.55	16.90	16.67	17.17	16.27	15.30	15.08	14.37	15.13	14.96	14.73	16.52
16	16.54	16.82	16.67	17.21	16.21	15.63	15.41	14.34	15.26	14.96	14.73	16.55
17	16.53	16.78	16.66	17.18	16.12	15.68	15.38	14.32	15.23	14.94	14.71	16.60
18	16.50	16.92	16.65	17.08	16.06	15.67	15.30	14.23	15.15	14.91	14.70	16.53
19	16.41	16.88	16.63	17.01	15.93	15.81	15.32	14.12	15.11	14.87	14.69	16.45
20	16.45	16.85	16.63	16.96	15.84	15.89	15.42	14.00	15.08	14.86	14.65	16.39
21	16.44	16.99	16.61	16.90	15.78	15.95	15.48	13.88	15.05	14.86	14.62	16.34
22	16.39	17.09	16.60	16.84	15.74	16.04	15.41	13.72	15.02	14.86	14.60	16.28
23	16.39	17.10	16.58	16.77	15.65	16.07	15.31	13.66	15.00	14.89	14.60	16.23
24	16.40	17.10	16.55	16.72	15.65	16.19	15.29	13.57	15.03	14.95	14.61	16.16
25	16.40	17.06	16.56	16.86	15.64	16.26	15.22	13.39	15.17	14.91	14.84	16.14
26	16.39	17.05	16.59	17.21	15.64	16.22	15.20	13.22	15.12	14.88	15.02	16.12
27	16.38	16.99	16.59	17.41	15.54	16.13	15.15	12.99	15.10	14.87	15.13	16.11
28	16.36	16.95	16.59	17.39	15.49	16.04	15.00	12.94	15.41	14.89	15.35	16.11
29	16.34	16.88	16.59	17.26	---	15.89	14.96	14.00	15.62	14.91	15.64	16.14
30	16.34	16.84	16.56	17.23	---	15.79	15.07	15.31	15.61	14.93	15.91	16.17
31	16.32	---	16.61	17.11	---	15.70	---	15.53	---	14.92	16.24	---
TOTAL	518.73	503.12	516.80	530.14	455.10	486.49	459.30	443.28	457.57	464.67	461.85	489.34
MEAN	16.73	16.77	16.67	17.10	16.25	15.69	15.31	14.30	15.25	14.99	14.90	16.31
MAX	17.67	17.10	16.80	17.41	17.00	16.26	15.67	15.53	15.69	15.55	16.24	16.60
MIN	16.32	16.27	16.55	16.72	15.49	15.30	14.96	12.94	15.00	14.86	14.60	16.11

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'35", in SE1/4 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.

REVISED RECORDS.--WDR FL-84-2A: 1982(m).

GAGE.--Digital water-stage recorder, water-stage shaft encoder, satellite data collection platform with acoustic velocity meter 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. Satellite data collection platform with AVM installed Apr. 11, 1991, removed October, 1993.

REMARKS.--Records fair except for estimated discharge which are poor. 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. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

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

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.-- Figures represent 34 complete water years of discharge (1958-89, 1991-92).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.34 ft present datum, Sept. 27, 1960, from flood mark; minimum, 8.29 ft present datum, Mar. 17, 1969.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.12 ft Oct. 1; minimum, 10.76 ft Feb. 22.

STATION NUMBER 02278550
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.97	15.79	15.75	15.70	15.43	16.27	15.74	13.11	14.90	14.57	13.88	14.37
2	17.85	15.60	15.72	16.27	15.05	16.06	15.69	13.29	14.80	14.62	13.82	14.09
3	17.75	15.51	15.85	16.30	14.56	15.71	15.53	13.27	14.83	14.42	13.76	14.34
4	17.60	15.28	15.84	16.37	14.46	16.08	15.43	13.13	14.82	14.38	13.26	14.35
5	17.54	15.25	15.85	16.30	14.79	16.08	15.34	12.87	14.54	14.45	13.13	13.96
6	17.30	15.53	15.78	15.88	15.68	16.09	15.15	12.78	14.19	14.61	13.10	14.30
7	16.16	15.74	15.74	15.73	15.62	15.91	14.74	12.51	13.73	14.64	13.13	14.61
8	14.55	15.72	15.81	15.60	15.58	15.78	13.84	12.93	13.07	14.65	12.92	14.54
9	14.07	16.02	15.73	15.73	15.37	15.38	12.89	14.21	12.36	14.62	12.48	14.58
10	13.16	16.95	15.91	15.98	15.15	15.18	13.54	14.64	12.96	14.44	12.53	14.61
11	13.06	17.32	16.51	15.42	15.08	15.04	13.75	14.55	13.90	14.34	12.68	14.40
12	13.59	17.43	16.32	15.23	15.50	14.83	13.86	14.43	14.17	14.39	12.93	14.51
13	12.36	16.79	15.79	15.20	15.42	15.29	14.24	14.49	14.19	14.27	13.53	14.36
14	11.68	16.09	16.25	15.81	15.17	15.97	13.65	14.68	14.22	14.20	13.40	14.27
15	12.44	15.70	16.25	15.88	14.77	15.44	13.12	14.79	14.30	14.37	13.48	14.52
16	12.78	15.71	16.25	15.90	14.33	15.21	13.46	13.99	14.19	14.44	13.46	14.26
17	13.57	15.35	16.22	15.87	14.07	15.30	14.25	13.53	14.04	14.41	13.27	14.10
18	13.67	15.70	16.06	15.76	13.74	15.76	14.20	13.15	14.01	14.42	13.14	14.13
19	13.54	13.79	15.71	15.69	13.24	15.99	13.92	12.92	14.14	14.41	13.00	14.09
20	13.62	13.56	15.75	15.49	12.45	15.94	13.73	12.82	14.07	14.43	12.72	14.01
21	15.12	13.33	16.08	15.30	11.44	16.08	14.08	12.77	14.01	14.21	12.58	14.12
22	15.93	13.57	15.85	15.31	11.24	16.17	13.66	12.90	13.62	13.99	12.53	14.22
23	16.36	14.70	15.27	15.08	13.03	16.19	13.87	12.89	13.35	13.87	12.72	14.01
24	16.55	14.84	15.26	14.87	14.92	16.29	13.87	12.76	13.90	13.56	13.37	13.66
25	16.59	16.10	15.19	15.66	15.62	16.28	13.96	12.31	14.04	13.46	13.37	13.49
26	16.53	15.90	15.39	16.88	16.03	16.24	14.19	12.51	14.01	13.46	13.37	13.83
27	16.41	15.70	15.25	17.67	16.38	16.13	13.79	12.67	14.09	13.50	13.74	13.67
28	16.31	16.07	15.39	17.38	16.35	16.02	13.38	13.28	14.31	13.44	13.83	13.57
29	16.14	16.08	15.72	16.18	---	15.89	13.00	14.35	14.44	13.28	13.91	13.41
30	15.98	15.87	15.65	14.23	---	15.80	12.92	14.68	14.52	13.39	14.19	13.40
31	15.91	---	15.54	14.94	---	15.71	---	14.74	---	13.69	14.44	---
TOTAL	472.09	466.99	489.68	489.61	410.47	490.11	422.79	417.95	421.72	438.93	411.67	423.78
MEAN	15.23	15.57	15.80	15.79	14.66	15.81	14.09	13.48	14.06	14.16	13.28	14.13
MAX	17.97	17.43	16.51	17.67	16.38	16.29	15.74	14.79	14.90	14.65	14.44	14.61
MIN	11.68	13.33	15.19	14.23	11.24	14.83	12.89	12.31	12.36	13.28	12.48	13.40

02278550 LEVEE 8 CANAL AT WEST PALM BEACH CANAL, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	.00	357	.00	570	.00	---	217	57	.00	.00	.00
2	1260	.00	287	.00	745	.00	---	218	73	.00	.00	.00
3	1160	.00	246	.00	630	.00	---	212	.00	.00	.00	.00
4	1270	.00	249	113	605	.00	---	215	.00	.00	.00	.00
5	1000	.00	250	254	423	.00	---	220	.00	.00	.00	.00
6	772	.00	249	422	384	.00	---	221	.00	.00	.00	.00
7	1030	.00	235	430	480	.00	---	240	.00	.00	.00	.00
8	---	.00	213	431	481	130	---	66	.00	.00	63	.00
9	---	.00	215	408	472	192	---	.00	.00	.00	53	.00
10	---	.00	71	505	462	189	---	.00	.00	.00	.00	.00
11	---	.00	.00	643	353	190	---	.00	.00	.00	.00	.00
12	---	54	226	648	430	200	---	.00	.00	.00	.00	.00
13	---	---	143	505	509	235	---	.00	.00	.00	.00	.00
14	634	493	.00	434	504	255	577	.00	.00	.00	.00	.00
15	523	445	.00	445	489	233	548	106	.00	.00	.00	.00
16	448	479	.00	428	473	220	468	167	.00	.00	.00	.00
17	431	385	.00	438	465	235	397	155	.00	.00	.00	.00
18	438	502	129	435	447	353	398	145	.00	.00	.00	.00
19	456	741	202	438	433	1100	392	146	.00	.00	.00	.00
20	260	649	74	432	419	1520	298	142	.00	.00	42	37
21	.00	602	.00	427	397	1540	346	144	.00	63	43	-32
22	.00	425	137	430	281	1140	435	148	120	103	45	-41
23	.00	434	112	426	91	631	293	134	100	53	26	.00
24	.00	260	22	349	.00	675	289	136	.00	.00	.00	72
25	.00	170	.00	176	.00	553	287	131	.00	.00	.00	.00
26	.00	382	.00	324	.00	538	296	137	.00	.00	.00	.00
27	.00	341	.00	589	.00	613	287	128	.00	.00	.00	.00
28	.00	247	.00	505	.00	650	274	39	.00	.00	.00	.00
29	.00	312	.00	887	---	694	259	.00	.00	.00	.00	.00
30	.00	358	.00	953	---	713	242	.00	.00	.00	.00	.00
31	.00	---	.00	573	---	728	---	.00	---	.00	.00	---
TOTAL	---	---	3417.00	13048.00	10543.00	13527.00	---	3467.00	350.00	219.00	272.00	36.00
MEAN	---	---	110	421	377	436	---	112	11.7	7.06	8.77	1.20
MAX	---	---	357	953	745	1540	---	240	120	103	63	72
MIN	---	---	.00	.00	.00	.00	---	.00	.00	.00	.00	-41
AC-FT	---	---	6780	25880	20910	26830	---	6880	694	434	540	71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	226	87.5	46.7	117	74.0	96.4	100	102	129	183	190	240
MAX	904	691	355	820	503	714	648	728	896	1048	856	937
(WY)	1961	1960	1965	1958	1983	1970	1970	1984	1968	1992	1986	1960
MIN	-218	-838	-565	-139	-289	-193	-175	-208	-330	-286	-151	-509
(WY)	1977	1992	1992	1976	1987	1977	1974	1992	1989	1982	1977	1981

SUMMARY STATISTICS	WATER YEARS 1958 - 1993	
ANNUAL MEAN	136	
HIGHEST ANNUAL MEAN	453	1970
LOWEST ANNUAL MEAN	-76.7	1977
HIGHEST DAILY MEAN	2890	Jul 3 1992
LOWEST DAILY MEAN	-2540	Apr 27 1982
ANNUAL SEVEN-DAY MINIMUM	-1700	Nov 27 1991
ANNUAL RUNOFF (AC-FT)	98780	
10 PERCENT EXCEEDS	430	
50 PERCENT EXCEEDS	80	
90 PERCENT EXCEEDS	-114	

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL

LOCATION.--Lat 26°41'05", long 80°21'50", in SE1/4 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, acoustic velocity meter and satellite data collection platform, 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.--Records good, except for estimated discharge, which are fair. 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 gate structures S-352, 20 mi upstream. Negative figures indicate flow to the west. Discharge computed from relations between discharge, head, and gate openings at S-5A-E. Acoustic velocity meter installed May 1, 1991 along with satellite data collection platform.

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

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1956-89, 1991-92).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 16.38 ft present datum, Oct. 23, 1983; minimum, 6.24 ft present datum, Sept. 9, 1965.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.88 ft Nov. 9, 10; minimum, 7.86 ft June 22.

STATION NUMBER 02278600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.26	10.38	9.75	11.05	11.61	10.39	---	8.77	9.39	8.55	---	10.20
2	11.66	10.40	9.53	12.21	11.83	10.16	---	8.50	8.96	8.67	---	9.90
3	11.66	10.44	9.42	11.24	12.05	9.93	---	8.84	8.41	8.94	---	10.17
4	10.99	10.62	9.29	10.50	12.04	10.32	---	9.16	8.55	8.75	---	9.13
5	10.55	10.95	9.21	11.03	12.04	9.99	---	9.27	8.48	8.83	---	9.12
6	10.81	10.75	9.21	11.16	10.19	9.97	---	8.95	8.40	9.44	---	9.63
7	11.00	11.03	8.79	10.84	9.86	10.02	---	9.31	8.38	9.36	9.66	9.20
8	---	11.21	8.40	10.69	9.66	10.52	---	10.93	8.44	9.51	8.92	8.92
9	---	12.28	9.10	12.01	9.62	11.47	---	10.71	8.28	8.98	9.66	8.92
10	---	---	10.20	11.92	9.55	11.40	---	10.60	8.37	8.63	9.88	9.06
11	---	---	11.12	e11.29	9.34	11.24	---	10.32	8.36	8.51	9.60	8.78
12	---	---	11.35	10.94	10.41	10.60	---	9.90	8.30	8.47	10.21	9.37
13	---	---	11.39	10.71	11.03	9.45	---	9.84	8.30	8.54	10.63	9.74
14	10.86	10.70	11.42	10.82	10.86	9.07	9.65	9.68	8.23	8.51	10.15	---
15	11.28	10.28	11.55	10.64	10.73	9.65	9.53	9.73	8.26	8.61	9.89	10.48
16	10.91	10.62	12.25	11.06	10.54	10.07	10.12	11.01	8.33	8.67	9.76	10.37
17	10.42	10.98	12.23	10.80	10.41	9.44	10.09	10.99	8.36	8.47	9.92	9.86
18	10.41	9.94	10.61	10.76	10.36	9.30	10.01	10.93	8.33	8.39	9.75	9.15
19	10.24	9.98	9.31	10.62	10.06	9.05	9.85	10.68	8.27	8.27	9.41	8.91
20	10.43	11.02	8.79	10.55	10.10	9.12	9.24	10.70	8.22	8.17	9.29	e9.13
21	10.66	9.38	8.69	10.48	10.10	9.69	8.69	10.56	8.10	8.20	9.38	e10.99
22	10.68	9.39	8.50	10.42	9.49	10.49	9.92	10.59	8.78	9.45	9.07	10.73
23	10.74	10.10	8.70	10.27	8.71	10.52	10.33	10.98	10.81	10.28	9.38	10.77
24	10.87	10.28	9.47	9.96	8.37	11.04	10.44	10.79	10.21	10.34	10.01	10.61
25	10.86	9.25	9.71	11.17	8.32	10.92	10.56	10.50	9.65	10.22	10.51	10.72
26	10.65	9.94	11.40	13.38	8.84	10.73	10.51	10.52	8.48	10.03	9.31	10.61
27	10.45	10.15	12.49	12.17	10.51	10.57	10.38	10.91	8.28	10.02	9.05	10.70
28	10.44	9.62	12.42	12.04	10.46	10.44	10.26	11.28	8.72	10.60	8.88	10.95
29	10.54	9.75	11.12	12.20	---	10.33	9.96	9.48	8.95	10.91	9.47	11.17
30	10.44	9.85	10.82	12.26	---	10.18	9.84	8.61	8.77	---	9.84	9.61
31	10.23	---	10.85	12.04	---	10.13	---	9.08	---	---	11.01	---
TOTAL	---	---	317.09	347.23	287.09	316.20	---	312.12	259.37	---	---	---
MEAN	---	---	10.23	11.20	10.25	10.20	---	10.07	8.65	---	---	---
MAX	---	---	12.49	13.38	12.05	11.47	---	11.28	10.81	---	---	---
MIN	---	---	8.40	9.96	8.32	9.05	---	8.50	8.10	---	---	---

e Estimated

02278600 WEST PALM BEACH CANAL BELOW S-5A-E, NEAR LOXAHATCHEE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	357	.00	570	.00	---	51	57	.00	.00	.00
2	181	.00	287	.00	611	.00	---	53	73	.00	.00	.00
3	240	.00	246	.00	616	.00	---	51	.00	.00	.00	.00
4	250	.00	249	113	605	.00	---	73	.00	.00	.00	.00
5	257	.00	250	254	407	.00	---	92	.00	.00	.00	.00
6	401	.00	249	422	141	.00	---	95	.00	.00	.00	.00
7	440	.00	143	430	233	.00	---	137	.00	.00	.00	.00
8	---	.00	.00	431	236	130	---	66	.00	.00	63	.00
9	---	.00	.00	408	233	192	---	.00	.00	.00	53	.00
10	---	.00	.00	392	230	189	---	.00	.00	.00	.00	.00
11	---	.00	.00	e395	233	190	---	.00	.00	.00	.00	.00
12	---	.00	.00	402	430	200	---	.00	.00	.00	.00	.00
13	---	---	.00	412	509	235	---	.00	.00	.00	.00	.00
14	436	226	.00	434	504	255	389	.00	.00	.00	.00	.00
15	523	226	.00	445	489	233	368	106	.00	.00	.00	.00
16	448	479	.00	428	473	220	355	167	.00	.00	.00	.00
17	431	385	.00	438	465	235	397	155	.00	.00	.00	.00
18	438	.00	.00	435	447	353	398	145	.00	.00	.00	.00
19	161	302	.00	438	433	1100	392	146	.00	.00	.00	.00
20	.00	268	.00	432	419	1520	190	142	.00	.00	42	e74
21	.00	.00	.00	427	397	1470	141	144	.00	63	43	e62
22	.00	.00	.00	430	183	880	238	148	120	103	45	.00
23	.00	340	39	426	.00	372	91	134	100	53	26	.00
24	.00	260	22	349	.00	446	90	136	.00	.00	.00	.00
25	.00	170	.00	122	.00	450	90	131	.00	.00	.00	.00
26	.00	382	.00	.00	.00	456	93	137	.00	.00	.00	.00
27	.00	341	.00	182	.00	459	90	128	.00	.00	.00	.00
28	.00	247	.00	449	.00	459	86	39	.00	.00	.00	.00
29	.00	312	.00	586	---	458	85	.00	.00	.00	.00	.00
30	.00	358	.00	546	---	461	68	.00	.00	.00	.00	.00
31	.00	---	.00	573	---	459	---	.00	---	.00	.00	---
TOTAL	---	---	1842.00	10799.00	8864.00	11422.00	---	2476.00	350.00	219.00	272.00	136.00
MEAN	---	---	59.4	348	317	368	---	79.9	11.7	7.06	8.77	4.53
MAX	---	---	357	586	616	1520	---	167	120	103	63	74
MIN	---	---	.00	.00	.00	.00	---	.00	.00	.00	.00	.00
AC-FT	---	---	3650	21420	17580	22660	---	4910	694	434	540	270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1993, BY WATER YEAR (WY)

MEAN	147	125	118	166	158	170	201	147	115	200	199	165
MAX	623	650	697	679	700	795	661	626	662	1106	790	592
(WY)	1958	1961	1961	1960	1961	1983	1983	1960	1961	1992	1959	1957
MIN	-21.3	-39.6	.000	-26.6	.000	-57.1	-9.23	-74.8	-254	-106	-1.77	-76.4
(WY)	1984	1972	1972	1991	1957	1982	1972	1982	1982	1985	1956	1977

SUMMARY STATISTICS	WATER YEARS 1956 - 1993	
ANNUAL MEAN	164	
HIGHEST ANNUAL MEAN	573	1961
LOWEST ANNUAL MEAN	1.43	1991
HIGHEST DAILY MEAN	1630	Jul 8 1992
LOWEST DAILY MEAN	-930	Mar 29 1982
ANNUAL SEVEN-DAY MINIMUM	-566	May 28 1982
ANNUAL RUNOFF (AC-FT)	118500	
10 PERCENT EXCEEDS	515	
50 PERCENT EXCEEDS	44	
90 PERCENT EXCEEDS	.00	

e Estimated

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL

LOCATION.--Lat 26°38'40", long 80°03'22", in NW1/4 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.

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-91-2A: 1986-89

GAGE.--Digital stage and gate recorders. Datum of gage is National Geodetic Vertical Datum of 1929. (State Department of Transportation bench mark). Prior to May 1, 1984, digital upstream stage recorder, and gate-opening indicator at site 200 ft upstream at same datum. Prior to April 26, 1940, nonrecording gage, April 26, 1940 to December 20, 1949, water-stage recorder, 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, 1985, water-stage and deflection vane recorder at site 800 ft upstream at present datum.

REMARKS.--Records fair, except for those estimated daily discharges, which are poor. Flow regulated by operation of control structure. 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.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 50 complete water years of discharge (1941-84, 1986-90, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.89 ft Oct. 13, 1947, present datum; minimum, 2.85 ft Dec. 3, 1953, Oct. 9, 1963, and Sept. 9, 1964.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.95 ft Mar. 21; minimum, 6.70 ft Mar. 22.

STATION NUMBER 02279000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.52	8.17	8.03	7.85	8.07	8.36	8.16	8.24	7.38	8.20	8.23	8.24
2	7.80	8.17	8.06	7.32	7.95	8.36	8.24	8.28	8.16	8.15	8.20	8.22
3	8.20	8.16	8.09	8.21	7.95	8.34	8.16	8.31	8.32	8.20	8.18	8.07
4	8.08	8.20	8.13	8.20	7.95	8.15	8.16	8.34	8.25	8.22	8.33	8.17
5	8.06	8.34	8.14	8.21	8.15	8.16	8.12	8.32	8.22	8.27	8.11	8.35
6	8.26	8.32	8.01	8.00	8.16	8.16	8.14	8.24	8.24	8.28	8.16	8.17
7	8.36	8.10	8.02	8.08	8.04	8.22	8.11	8.15	8.25	8.27	8.30	8.21
8	8.36	8.23	8.26	8.14	8.11	8.29	8.11	8.26	8.31	8.16	8.36	8.20
9	8.27	7.82	8.27	8.15	8.12	8.30	8.19	8.37	8.19	8.24	8.33	8.14
10	8.12	7.18	8.20	8.13	8.17	8.27	8.19	8.14	8.32	8.24	8.20	8.17
11	7.98	7.14	8.25	8.13	8.13	8.41	8.17	8.23	8.33	8.34	8.25	8.26
12	8.16	7.17	8.21	8.16	8.14	8.21	8.12	8.18	8.31	8.20	8.34	8.13
13	8.27	7.64	8.14	7.97	8.12	8.11	8.16	8.14	8.31	8.35	7.98	8.27
14	8.25	8.32	8.01	7.92	8.07	8.09	8.15	8.09	8.26	8.22	8.08	8.07
15	8.28	8.08	8.28	8.26	8.05	8.03	8.16	8.01	8.29	8.25	8.23	8.21
16	8.34	7.99	8.20	8.09	8.06	8.22	8.22	8.05	8.32	8.28	8.30	8.23
17	8.30	8.22	8.21	8.17	8.05	8.18	8.23	8.11	8.32	8.27	8.30	8.22
18	8.33	7.41	8.21	8.08	8.00	8.11	8.03	8.12	8.30	8.13	8.15	8.09
19	8.17	7.80	8.24	8.12	8.10	8.21	8.18	8.12	8.24	8.22	8.27	8.22
20	8.27	8.12	8.29	8.08	8.13	8.35	8.23	8.10	8.15	8.15	8.20	8.28
21	8.35	7.87	8.30	8.13	8.10	8.19	8.24	8.04	8.09	8.05	8.15	8.17
22	8.39	8.10	8.18	8.10	8.18	7.23	8.08	7.98	7.99	8.31	8.11	8.29
23	8.36	8.17	8.31	8.08	8.10	7.21	8.29	7.97	7.98	8.26	8.07	8.23
24	8.02	8.23	8.31	8.13	8.24	7.43	8.35	7.97	8.04	8.21	8.19	8.19
25	8.11	8.16	8.32	7.58	8.22	8.10	8.21	7.91	8.21	8.15	8.22	8.35
26	8.16	8.14	8.15	7.41	8.27	8.28	8.34	7.86	8.33	8.24	8.27	8.34
27	8.16	8.28	8.27	7.63	8.27	8.14	8.21	7.85	8.17	8.29	8.31	8.27
28	8.20	8.18	8.19	8.21	8.23	8.17	8.37	8.11	8.27	8.22	8.19	8.25
29	8.36	8.07	8.24	8.18	---	8.12	8.32	8.16	8.22	8.28	8.06	7.93
30	8.21	7.95	8.26	8.18	---	7.99	8.24	8.06	8.14	8.13	8.15	8.23
31	8.16	---	8.27	8.14	---	7.96	---	7.28	---	8.12	8.24	---
TOTAL	253.86	239.73	254.05	249.04	227.13	251.35	245.88	250.99	245.91	254.90	254.46	246.17
MEAN	8.19	7.99	8.20	8.03	8.11	8.11	8.20	8.10	8.20	8.22	8.21	8.21
MAX	8.39	8.34	8.32	8.26	8.27	8.41	8.37	8.37	8.33	8.35	8.36	8.35
MIN	7.52	7.14	8.01	7.32	7.95	7.21	8.03	7.28	7.38	8.05	7.98	7.93

02279000 WEST PALM BEACH CANAL AT WEST PALM BEACH, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2490	.00	703	e3390	2050	.00	e744	.00	186	352	e270	e992
2	867	.00	809	e3900	2010	.00	e718	.00	.00	373	e451	e658
3	1100	.00	826	e1290	2000	.00	e692	.00	.00	336	e306	e681
4	1110	.00	636	e2530	2000	215	e670	.00	335	260	e57	e613
5	928	.00	581	e2400	2020	.00	e1410	.00	292	145	e361	e330
6	648	169	761	e1360	831	.00	e674	.00	196	326	e248	e623
7	e594	466	487	e1590	789	.40	e744	.00	240	e402	e.00	e288
8	e578	257	183	e1410	772	.00	e575	.00	202	e583	e6.4	e436
9	e567	2570	.00	e3290	758	230	e654	5.2	113	e204	e.00	e478
10	e557	3750	331	e3300	719	.00	e670	135	.00	e253	e344	e323
11	e811	2680	240	e2320	689	.00	e685	.00	.00	e.00	e.00	e228
12	e727	2680	328	e1560	757	344	e661	.00	.00	e348	e196	e469
13	e507	1200	243	e1680	797	861	e352	.00	.00	e.00	e553	e583
14	647	1110	198	e1640	857	260	327	.00	.00	e279	e146	e830
15	628	1090	56	e1130	834	226	236	.00	.00	e318	e234	e418
16	611	1070	323	e2890	811	460	665	.00	.00	e200	e.00	e623
17	594	1060	e555	e1180	785	491	442	.00	.00	e.00	e179	573
18	581	3110	e369	e1380	760	735	586	.00	.00	e362	e4.7	341
19	384	834	e411	e1080	483	357	313	.00	.00	e.00	e67	431
20	.00	2070	e253	e1050	559	411	252	.00	.00	e227	e.00	114
21	.00	1550	e367	e1120	582	1990	202	.00	.00	e137	e.00	338
22	.00	1200	e380	e1260	487	2420	249	.00	.00	e.00	e.00	190
23	64	914	e.00	e1120	328	e1770	.00	.00	.00	e315	e.00	386
24	198	927	e.00	e840	312	e1510	.00	.00	.00	e264	e.00	48
25	.00	642	e214	e3280	.00	e990	155	.00	.00	e218	e388	167
26	.00	769	e59	e4020	220	e875	11	.00	180	e340	e.00	176
27	.00	836	e306	e2730	195	e1030	135	.00	174	e205	e460	175
28	.00	858	e441	e1900	64	e752	.00	155	201	e294	e599	173
29	.00	975	e293	e2290	---	e824	.00	177	245	e543	e737	1200
30	189	954	e300	e2590	---	e798	40	526	398	e617	e715	476
31	.00	---	e576	e2570	---	e769	---	719	---	e533	e993	---
TOTAL	15380.00	33741.00	11229.00	64090	23469.00	18318.40	12862.00	1717.20	2762.00	8434.00	7315.10	13361
MEAN	496	1125	362	2067	838	591	429	55.4	92.1	272	236	445
MAX	2490	3750	826	4020	2050	2420	1410	719	398	617	993	1200
MIN	.00	.00	.00	840	.00	.00	.00	.00	.00	.00	.00	48
AC-FT	30510	66930	22270	127100	46550	36330	25510	3410	5480	16730	14510	26500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1993, BY WATER YEAR (WY)

MEAN	1085	747	456	549	419	432	408	420	763	857	858	1104
MAX	3889	2589	1961	2067	1696	1682	1967	1266	2856	2960	2335	2844
(WY)	1948	1948	1948	1993	1941	1947	1942	1958	1942	1947	1947	1947
MIN	11.5	4.93	.000	.058	.000	.000	.000	.006	42.4	155	89.8	264
(WY)	1982	1990	1991	1989	1989	1990	1990	1992	1989	1981	1987	1987

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1940 - 1993	
ANNUAL TOTAL	212678.70			
ANNUAL MEAN	583		681	
HIGHEST ANNUAL MEAN			1542	1947
LOWEST ANNUAL MEAN			129	1989
HIGHEST DAILY MEAN	4020	Jan 26	5640	Mar 29 1982
LOWEST DAILY MEAN	.00	Oct 20	.00	May 2 1984
ANNUAL SEVEN-DAY MINIMUM	.00	May 1	.00	May 8 1984
ANNUAL RUNOFF (AC-FT)	421800		493500	
10 PERCENT EXCEEDS	1450		1480	
50 PERCENT EXCEEDS	341		520	
90 PERCENT EXCEEDS	.00		10	

e Estimated

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

LOCATION.--Lat 26°45'14", long 80°55'07", in NW1/4 sec.14, T.43 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on concrete wall inside lock chamber of structure S-310 (HGS-2) in Okeechobee Waterway, and 0.8 mi north of U.S. Highway 27 near Clewiston.

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 shaft encoder, acoustic velocity meter, and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1979, at datum 0.24 ft lower.

REMARKS.--Records poor. Flow regulated by hurricane gate at Lake Okeechobee. Prior to October 19, 1992 electromagnetic velocity meter at site.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1977-79, 1983-87, 1990).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.17 ft Mar. 7, 1983; minimum, 9.60 ft July 12, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.87 ft Jan. 27; minimum, 13.18 ft Aug. 23.

STATION NUMBER 264514080550700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.45	16.14	16.06	16.04	16.52	16.02	16.14	15.46	14.83	14.44	13.95	13.72
2	16.33	16.07	15.99	16.09	16.66	15.90	16.16	15.43	14.73	14.42	14.01	13.74
3	16.22	16.07	16.14	16.11	16.60	15.77	16.22	15.39	14.76	14.42	14.02	13.82
4	16.35	16.00	16.03	16.00	16.50	15.80	16.11	15.37	14.74	14.45	14.02	13.78
5	16.45	16.00	16.00	15.99	16.45	15.87	16.01	15.37	14.71	14.42	13.98	13.79
6	16.44	16.09	16.07	16.01	16.39	15.91	16.17	15.37	14.72	14.44	13.94	13.88
7	16.41	16.24	15.97	15.99	16.30	15.91	16.24	15.35	14.73	14.39	13.92	13.90
8	16.37	16.29	15.99	15.90	16.29	15.90	16.15	15.34	14.72	14.40	13.98	13.89
9	16.38	16.31	16.03	16.14	16.37	15.87	15.93	15.30	14.68	14.39	13.96	13.90
10	16.41	16.29	15.91	16.24	16.32	15.83	16.02	15.30	14.65	14.39	13.94	13.95
11	16.40	16.09	15.97	16.23	16.27	15.84	16.06	15.19	14.62	14.35	13.88	14.01
12	16.46	16.01	16.05	16.24	16.27	15.76	15.99	15.12	14.56	14.35	13.84	14.07
13	16.55	16.05	15.99	16.25	16.30	15.16	15.99	15.05	14.54	14.34	13.78	14.10
14	16.48	16.41	16.02	16.30	16.34	15.88	15.95	15.02	14.52	14.29	13.74	14.12
15	16.44	16.39	15.99	16.25	16.25	16.04	15.84	15.06	14.56	14.28	13.71	14.14
16	16.40	16.27	15.95	16.26	16.15	15.79	15.89	15.04	14.54	14.30	13.72	14.12
17	16.40	16.09	15.94	16.37	16.19	15.76	16.09	15.00	14.65	14.24	13.78	14.14
18	16.45	16.09	15.94	16.34	16.24	16.03	16.01	14.90	14.55	14.23	13.71	14.13
19	16.61	16.07	15.95	16.33	16.31	16.20	16.00	14.85	14.47	14.21	13.65	14.13
20	16.45	16.06	15.94	16.31	16.09	16.09	15.91	14.86	14.41	14.19	13.65	14.13
21	16.42	16.04	15.95	16.28	16.00	16.12	15.83	14.86	14.35	14.12	13.62	14.10
22	16.48	16.03	15.95	16.26	15.90	16.11	15.92	14.96	14.29	14.10	13.52	14.12
23	16.35	16.06	15.93	16.29	16.25	16.11	15.86	14.89	14.34	14.08	13.52	14.14
24	16.30	16.04	16.02	16.23	16.33	16.12	15.72	14.72	14.36	14.09	13.54	14.11
25	16.22	16.06	15.96	16.41	16.05	16.15	15.67	14.68	14.35	14.12	13.52	14.06
26	16.19	16.04	15.94	16.56	15.88	16.12	15.63	14.64	14.33	14.07	13.54	14.06
27	16.18	16.09	15.94	16.85	16.10	16.12	15.77	14.68	14.37	14.05	13.54	14.08
28	16.17	16.19	16.04	16.70	16.10	16.20	15.80	14.66	14.42	14.05	13.52	14.13
29	16.16	16.20	16.13	16.59	---	16.19	15.64	14.73	14.45	14.02	13.53	14.35
30	16.13	16.10	16.04	16.62	---	16.18	15.50	14.75	14.46	13.98	13.58	14.30
31	16.13	---	15.96	16.58	---	16.11	---	14.80	---	13.94	13.64	---
TOTAL	507.18	483.88	495.79	504.76	455.42	494.86	478.22	466.14	436.41	441.56	426.25	420.91
MEAN	16.36	16.13	15.99	16.28	16.26	15.96	15.94	15.04	14.55	14.24	13.75	14.03
MAX	16.61	16.41	16.14	16.85	16.66	16.20	16.24	15.46	14.83	14.45	14.02	14.35
MIN	16.13	16.00	15.91	15.90	15.88	15.16	15.50	14.64	14.29	13.94	13.52	13.72

264514080550700 INDUSTRIAL CANAL AT CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	2.5	.02	5.7	23	85	178	-401	9.4	-48	-374
2	---	---	16	-10	-4.3	83	70	92	-268	43	-56	-252
3	---	---	11	-3.2	-.08	46	67	106	-314	42	-168	-256
4	---	---	54	4.4	4.4	-7.1	71	113	-235	35	35	-70
5	---	---	34	2.1	6.6	50	40	149	-183	1.2	31	9.2
6	---	---	5.1	---	4.1	56	25	152	-21	26	36	-72
7	---	---	53	---	-4.6	40	45	156	-64	92	24	-223
8	---	---	33	---	6.5	53	70	144	91	97	38	-331
9	---	---	13	---	14	233	30	89	121	37	33	-266
10	---	---	-15	---	46	79	11	142	111	14	1.2	-94
11	---	---	4.9	---	27	87	11	88	156	33	-17	-53
12	---	---	2.7	---	44	22	32	68	130	64	.48	-202
13	---	---	-.04	---	36	-8.0	125	108	130	128	50	-182
14	---	---	-5.5	---	-1.5	59	77	120	116	58	51	-136
15	---	---	1.4	---	-16	47	40	100	157	131	56	-149
16	---	---	-4.9	---	5.6	-95	32	91	113	-9.3	34	-110
17	---	---	-5.7	---	-.38	-31	8.6	125	50	-26	73	-30
18	---	---	-7.6	---	6.3	-105	3.5	152	103	11	56	1.9
19	---	82	-11	---	23	-36	81	183	119	66	139	11
20	---	14	-10	---	51	-83	101	81	135	109	219	27
21	---	11	-14	2.5	48	9.6	94	76	140	74	149	-31
22	---	11	-14	-5.7	15	-91	82	96	147	82	73	.33
23	---	-7.2	-11	-12	5.0	3.1	66	103	43	91	6.5	45
24	---	-9.6	-12	8.7	30	4.0	57	111	27	76	-2.1	43
25	---	.10	7.7	-4.9	35	2.0	17	101	-105	-86	-4.5	119
26	---	7.0	-4.4	5.3	-8.9	13	45	126	-93	-100	-83	87
27	---	1.5	-6.2	2.0	42	4.9	125	154	-160	-159	66	36
28	---	6.5	4.8	-59	30	2.9	99	3.9	-256	-253	-271	13
29	---	3.3	-5.3	-125	---	35	156	-327	-211	-248	-492	18
30	---	7.9	-2.8	-9.5	---	49	138	-458	-135	-255	-506	1.1
31	---	---	-11	-.13	---	84	---	-455	---	-253	-500	---
TOTAL	---	---	102.66	---	449.44	629.4	1904.1	1967.9	-557	-69.7	-976.42	-2419.47
MEAN	---	---	3.31	---	16.1	20.3	63.5	63.5	-18.6	-2.25	-31.5	-80.6
MAX	---	---	54	---	51	233	156	183	157	131	219	119
MIN	---	---	-15	---	-16	-105	3.5	-458	-401	-255	-506	-374
AC-FT	---	---	204	---	891	1250	3780	3900	-1100	-138	-1940	-4800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1993, BY WATER YEAR (WY)

MEAN	66.6	70.7	88.0	68.6	90.1	90.4	122	102	75.2	18.7	7.51	32.0
MAX	194	315	438	467	474	472	448	366	364	245	219	232
(WY)	1988	1986	1988	1988	1988	1988	1986	1987	1984	1984	1987	1987
MIN	-19.3	-27.6	-55.9	-120	-63.7	-42.3	-50.3	-92.3	-95.2	-84.3	-153	-116
(WY)	1991	1979	1992	1992	1992	1992	1991	1978	1992	1979	1978	1977

SUMMARY STATISTICS	WATER YEARS 1976 - 1993	
ANNUAL MEAN	66.8	
HIGHEST ANNUAL MEAN	232	1987
LOWEST ANNUAL MEAN	-30.2	1978
HIGHEST DAILY MEAN	740	Feb 24 1989
LOWEST DAILY MEAN	-1400	Jul 4 1984
ANNUAL SEVEN-DAY MINIMUM	-455	Jun 26 1992
ANNUAL RUNOFF (AC-FT)	48430	
10 PERCENT EXCEEDS	293	
50 PERCENT EXCEEDS	27	
90 PERCENT EXCEEDS	-63	

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'45", in SW1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, acoustic velocity meter located approximately 1,800 ft downstream from S-351 and pump station 2 at Lake Okeechobee, and 2.5 mi north of South Bay, along the south bank of Hillsboro Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WDR FL-92-2A: 1991.

GAGE.--Acoustic velocity meter, satellite data collection platform with water-stage shaft encoder. Prior to Oct. 1, 1986 water stage recorder at pump station 2 used for gage heights at this station. Prior to August 1982 deflection meter. Prior to Apr. 1993 water year electromagnetic velocity meter and digital water-stage recorder. DCP, AVM and stage shaft encoder installed December 1990. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for estimated discharge, which is poor. Flow regulated by vertical lift 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, by the operation of pump station 2 or by gravity flow through gates during periods of negative head (negative figures indicate flow reversed). Discharge computed from continuous velocity record obtained from acoustic velocity meter.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.-Figures represent 34 complete water years of discharge (1958-88, 1991-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.11 ft Jan. 9; minimum, 9.01 ft Jan. 27.

STATION NUMBER 02280500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.03	11.56	11.45	10.85	11.87	11.34	11.66	10.40	10.13	10.63	11.27	11.26
2	10.20	11.34	11.49	11.56	11.97	11.48	11.98	10.33	9.69	10.51	11.34	10.89
3	10.01	11.38	11.34	10.47	11.76	11.38	12.01	10.72	11.04	11.08	11.05	10.92
4	9.58	11.86	11.25	9.88	11.98	11.35	12.07	11.40	9.71	10.87	10.91	10.16
5	9.50	11.92	11.15	10.25	12.02	11.24	12.03	11.61	10.66	10.65	11.05	10.80
6	10.27	11.67	11.10	10.36	11.28	11.00	11.73	11.56	10.85	10.53	11.00	11.49
7	10.60	11.97	11.11	9.85	10.89	10.75	12.11	11.57	9.55	10.88	11.31	11.79
8	10.74	11.31	11.06	10.28	11.35	10.99	11.96	11.85	10.50	10.95	11.26	11.04
9	10.44	10.71	11.01	11.98	11.56	11.65	11.96	11.28	10.33	11.15	11.26	10.23
10	10.63	10.43	11.16	11.46	11.59	11.84	11.96	11.21	9.74	11.15	11.44	10.44
11	10.84	9.94	11.21	11.56	11.65	11.66	11.50	11.52	10.02	10.98	10.90	11.22
12	10.87	10.66	11.05	10.89	11.50	11.56	11.35	11.25	10.33	11.00	10.78	12.00
13	10.81	10.03	11.10	11.11	11.25	11.77	11.58	11.10	10.44	11.07	11.01	11.70
14	10.73	11.18	11.24	11.47	10.83	11.25	11.81	11.24	10.46	10.87	11.16	11.21
15	10.76	10.94	11.21	10.88	10.84	10.97	11.94	11.80	10.13	10.85	11.15	10.88
16	10.60	11.10	11.21	11.47	11.28	10.98	12.16	11.84	10.66	11.08	11.18	10.50
17	10.49	11.06	11.14	11.02	11.47	9.67	11.62	11.67	10.35	10.88	11.37	10.22
18	10.54	10.63	11.12	11.30	11.34	9.46	11.89	11.32	10.66	10.78	11.20	10.42
19	10.71	10.49	11.14	11.43	11.32	10.06	12.04	11.22	11.27	10.97	10.90	10.10
20	11.28	10.76	11.05	11.68	11.20	9.71	12.14	11.43	11.27	10.96	10.81	10.84
21	11.30	11.44	10.97	11.55	11.16	9.59	12.21	11.31	11.00	10.98	11.03	10.79
22	11.21	11.02	10.98	11.51	11.57	9.75	12.12	11.22	10.87	10.93	11.06	11.01
23	11.44	10.58	11.21	11.39	11.81	10.41	11.97	11.24	11.45	11.13	11.60	10.87
24	11.70	9.95	11.28	11.30	11.71	10.33	11.80	11.24	10.82	11.45	11.38	10.76
25	11.75	10.57	11.39	11.80	11.34	10.92	11.74	11.56	11.03	11.46	11.42	10.80
26	11.69	10.60	11.50	11.81	11.80	11.48	11.77	11.81	11.12	11.47	11.11	11.25
27	11.55	10.55	11.68	9.94	11.31	12.03	11.82	11.80	11.11	11.00	11.18	11.16
28	11.52	10.83	11.44	10.40	11.13	11.87	11.75	11.43	11.81	11.36	11.30	11.05
29	11.51	11.40	11.27	11.43	---	11.95	11.63	11.34	10.56	11.03	9.80	10.70
30	11.58	11.42	11.35	11.26	---	11.94	11.09	11.22	10.03	11.41	11.35	10.97
31	11.60	---	10.71	10.85	---	11.80	---	10.22	---	11.40	11.45	---
TOTAL	337.48	329.30	347.37	342.99	320.78	342.18	355.40	350.71	317.59	341.46	345.03	327.47
MEAN	10.89	10.98	11.21	11.06	11.46	11.04	11.85	11.31	10.59	11.01	11.13	10.92
MAX	11.75	11.97	11.68	11.98	12.02	12.03	12.21	11.85	11.81	11.47	11.60	12.00
MIN	9.50	9.94	10.71	9.85	10.83	9.46	11.09	10.22	9.55	10.51	9.80	10.10

02280500 HILLSBORO CANAL BELOW S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-328	215	80	-58	684	326	695	215	-193	-64	116	-183
2	-130	199	34	-228	708	413	794	218	-40	-67	35	38
3	-95	287	41	-221	683	367	810	323	127	73	-8.8	109
4	27	328	58	39	730	267	823	451	125	86	159	194
5	17	137	43	233	640	40	727	524	232	48	158	52
6	-5.4	61	45	243	530	28	693	487	267	90	243	79
7	100	146	83	86	503	24	782	437	137	145	336	252
8	-24	452	78	-40	619	177	757	300	192	100	316	236
9	-49	271	59	-286	648	271	744	95	154	40	397	188
10	92	-26	111	-697	663	215	718	197	190	-27	348	135
11	109	72	68	-481	682	155	641	313	334	31	175	190
12	84	-12	29	-118	475	43	575	243	368	24	223	-140
13	47	-253	-23	295	530	121	611	150	361	-71	198	-133
14	37	-125	21	491	501	109	694	313	325	-54	143	-85
15	-8.8	-134	24	361	520	141	680	505	184	32	146	.76
16	-33	37	54	437	620	-40	612	446	209	129	173	-26
17	5.0	-125	40	e452	646	28	637	426	143	50	119	-36
18	56	-52	25	e498	609	-25	722	404	355	109	117	35
19	161	56	-20	e560	606	-91	756	441	431	191	96	60
20	286	28	-44	e610	571	-54	664	422	381	289	207	14
21	274	8.7	-17	e550	546	-84	640	400	314	366	257	33
22	229	-123	108	e560	614	-79	633	437	350	362	253	63
23	268	133	104	e590	643	105	629	393	417	429	-42	38
24	244	86	42	e600	591	193	604	461	136	439	-137	46
25	210	150	25	e156	599	438	605	566	52	420	-24	95
26	211	144	37	e-720	625	660	645	575	-6.7	228	-101	128
27	202	91	-5.0	-1090	76	764	636	590	-3.7	235	-170	103
28	183	67	128	-444	206	725	633	327	-16	215	-37	103
29	247	106	83	201	---	764	648	-96	-163	160	-14	45
30	260	98	52	388	---	712	478	-315	-150	250	-383	105
31	221	---	23	430	---	759	---	-363	---	207	-311	---
TOTAL	2896.8	2322.7	1386.0	3397	16068	7472	20286	9885	5211.6	4465	2987.2	1738.76
MEAN	93.4	77.4	44.7	110	574	241	676	319	174	144	96.4	58.0
MAX	286	452	128	610	730	764	823	590	431	439	397	252
MIN	-328	-253	-44	-1090	76	-91	478	-363	-193	-71	-383	-183
AC-FT	5750	4610	2750	6740	31870	14820	40240	19610	10340	8860	5930	3450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1993, BY WATER YEAR (WY)

MEAN	-39.1	-2.04	18.2	-3.54	35.6	62.8	199	125	-71.0	-142	-121	-167
MAX	270	366	243	226	574	311	676	720	491	482	268	351
(WY)	1977	1974	1967	1958	1993	1966	1993	1966	1989	1992	1974	1992
MIN	-370	-276	-314	-265	-232	-534	-241	-328	-633	-553	-609	-537
(WY)	1965	1960	1960	1964	1963	1970	1957	1968	1968	1975	1981	1960

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1957 - 1993	
ANNUAL TOTAL	70515.2		78116.06			
ANNUAL MEAN	193		214		-8.31	
HIGHEST ANNUAL MEAN					214	1993
LOWEST ANNUAL MEAN					-207	1960
HIGHEST DAILY MEAN	824	May 28	823	Apr 4	948	May 5 1966
LOWEST DAILY MEAN	-865	Jun 30	-1090	Jan 27	-1720	Aug 19 1981
ANNUAL SEVEN-DAY MINIMUM	-594	Jun 26	-185	Jan 6	-1190	Aug 17 1981
ANNUAL RUNOFF (AC-FT)	139900		154900		-6020	
10 PERCENT EXCEEDS	625		636		343	
50 PERCENT EXCEEDS	147		156		.00	
90 PERCENT EXCEEDS	-131		-69		-360	

e Estimated

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

LOCATION.--Lat 26°28'18", long 80°26'46", in NE1/4 sec.4, T.46 S., R.39 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 6, and 7 mi southeast of Shawano.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to September 1968 (gage heights and discharge). October 1968 to September 1981 (discharge), October 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meters. 1968 to 1981, dual water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1959, at datum 0.44 ft lower.

REMARKS.--Flow regulated by pumpage at S-6, by Structure 351 and pump station 2 at Lake Okeechobee and by drainage and irrigation pumps upstream. Records include flow from Levee 6 Canal since Mar. 15, 1966. Discharge is the summation of pumpage and syphoning at S-6. Negative flow indicates flow to the north due to syphoning at S-6. AVM system began operation October 1990, on both S-6 and L-6 canals. Total discharge is computed by the sum of S-6 and L-6 discharges from relations between stage vs area and line velocity vs velocity index ratings.

COOPERATION.--Records furnished by South Florida Water Management District October 1968 to September 1981. Prior to October 1968, pump records furnished by South Florida Water Management District, and records computed by U. S. Geological Survey. After reestablishment in 1991 water year records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 24 complete water years of discharge (1958-81).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.74 ft Dec. 25, 1958; minimum, 7.35 ft May 14, 1959.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.59 ft Nov. 7; minimum, 8.96 ft Mar. 16.

SEE THE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.45	9.31	9.68	11.25	10.02	10.17	11.02	10.57	---	9.55	10.27
2	---	11.38	9.03	9.26	11.14	11.28	10.01	11.25	10.57	---	10.52	10.87
3	---	11.00	8.81	9.13	11.29	11.61	10.06	11.04	10.80	---	10.34	10.38
4	---	10.70	9.26	9.44	11.25	10.48	10.63	11.05	10.35	---	11.27	10.69
5	---	10.62	8.81	8.77	10.86	11.40	10.06	10.95	10.13	---	10.53	10.54
6	---	10.80	8.47	8.86	10.74	11.28	9.67	10.70	10.13	9.73	10.06	10.42
7	---	10.90	8.91	9.00	10.71	11.13	10.11	10.42	10.96	10.59	10.28	10.11
8	---	10.93	9.18	9.37	10.91	10.86	10.50	10.40	11.20	10.59	10.59	11.05
9	---	10.72	10.28	9.03	10.72	10.61	10.13	10.37	11.73	10.77	11.13	10.46
10	---	11.08	9.62	9.28	10.61	10.60	10.10	10.16	11.51	10.70	10.89	10.04
11	---	10.98	9.55	10.62	11.05	10.71	10.32	10.15	11.21	10.64	10.68	10.46
12	---	10.66	8.81	10.97	11.55	11.14	10.33	10.29	11.02	10.47	10.51	10.99
13	---	10.37	8.54	11.02	11.00	11.16	9.61	10.21	11.17	10.61	10.55	11.02
14	---	10.70	8.63	10.76	10.94	11.01	9.43	10.37	11.06	10.81	10.92	11.07
15	---	10.43	8.35	11.17	11.08	11.02	10.11	10.12	10.90	---	11.16	11.25
16	---	10.50	8.25	12.16	11.21	10.66	10.89	10.56	10.67	10.92	10.62	11.20
17	---	10.49	8.22	12.09	11.39	10.70	10.93	10.68	11.34	---	11.08	11.20
18	---	9.99	8.32	12.12	11.18	11.12	11.02	11.70	11.71	---	11.17	11.03
19	---	9.61	7.98	11.10	11.20	11.04	10.85	11.51	10.76	---	11.15	9.56
20	---	9.89	8.06	10.45	11.26	10.88	11.23	10.70	9.85	10.32	11.01	9.65
21	---	10.20	8.49	10.30	10.89	10.86	11.75	9.76	9.77	10.76	11.01	10.36
22	---	10.36	8.11	9.78	11.12	10.76	11.79	9.90	10.07	10.48	10.38	10.40
23	---	10.30	8.03	9.74	10.87	10.68	11.28	9.90	10.50	10.56	10.22	10.80
24	---	10.32	7.78	9.65	10.67	10.62	11.32	9.54	11.11	10.64	9.40	---
25	11.58	10.43	8.63	9.80	10.58	10.85	11.44	9.56	10.04	10.28	10.88	---
26	11.33	10.36	8.51	9.72	10.81	10.86	10.85	9.68	9.58	---	10.69	---
27	10.89	10.07	8.58	10.24	11.56	11.05	10.05	9.84	9.99	10.33	10.11	---
28	10.73	10.06	9.33	11.10	10.75	10.41	10.70	11.17	10.92	10.42	10.03	10.08
29	10.73	9.56	9.24	10.94	---	10.52	10.88	10.66	10.74	10.17	10.16	10.18
30	11.18	9.66	---	11.14	---	9.72	10.84	10.46	10.47	10.27	10.17	10.37
31	11.40	---	---	11.20	---	9.79	---	10.73	---	9.94	10.94	---
TOTAL	---	314.52	---	317.89	308.59	334.83	317.06	324.85	320.83	---	328.00	---
MEAN	---	10.48	---	10.25	11.02	10.80	10.57	10.48	10.69	---	10.58	---
MAX	---	11.45	---	12.16	11.56	11.61	11.79	11.70	11.73	---	11.27	---
MIN	---	9.56	---	8.77	10.58	9.72	9.43	9.54	9.58	---	9.40	---

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	-150	-30	-137	11	897	-38	-404	-319	---	1210	308
2	---	-110	-45	-46	-38	-16	-133	-388	-349	---	540	-137
3	---	-66	-122	-45	-7.0	226	---	-350	-312	---	381	245
4	---	-73	-118	-28	13	1090	73	-366	-182	---	-58	-150
5	---	-140	-50	-28	-50	259	1670	-384	-129	---	482	420
6	---	-72	-33	6.0	-15	-88	1220	-388	-69	551	247	450
7	---	-130	-39	-36	-94	-15	352	-368	-54	-41	-81	337
8	---	-185	-74	-51	-44	-4.0	69	-254	-13	335	-157	-6.0
9	---	-73	-69	-6.0	-50	-56	11	12	-5.0	---	-157	593
10	---	-94	-44	-66	-66	-58	-57	-39	735	377	835	281
11	---	-53	-130	-29	-499	-245	-262	13	725	650	---	-42
12	---	-55	-83	-42	-573	-386	-368	17	12	---	---	-158
13	---	-127	-54	-45	-77	-247	-20	-55	-23	316	---	-103
14	---	-160	-187	-53	-300	-216	25	27	-177	299	---	-22
15	---	-66	-132	148	-626	-281	-415	-94	-227	---	---	-95
16	---	-102	-131	2240	-146	-48	-673	-86	-229	438	---	-80
17	---	-153	-159	2550	259	-143	-442	7.0	-51	---	---	-37
18	---	-58	-148	2400	-43	-195	2.0	21	-18	---	---	599
19	---	-44	-146	2950	-385	-26	-5.0	22	1410	---	---	1560
20	---	-108	-115	2700	-362	-102	-30	1080	1930	---	-144	707
21	---	---	-183	2670	-162	-173	-35	1660	---	---	-123	829
22	---	---	-138	2300	-331	-239	-17	1490	---	---	---	516
23	---	-49	-152	1830	-163	-236	-305	2630	---	---	---	1090
24	---	-81	-115	1580	-30	-181	-426	2090	---	---	---	---
25	---	-100	-141	1440	-71	-403	-365	1410	---	1360	---	---
26	-65	-110	-73	1350	554	-473	931	789	---	---	---	---
27	---	-112	-127	625	-52	-512	579	521	---	829	---	---
28	---	-78	-103	332	994	-17	28	-90	---	901	---	---
29	-126	-33	-24	310	---	-118	-270	-99	---	773	157	192
30	-126	-65	---	-100	---	-34	-398	-320	---	---	182	238
31	-126	---	---	-3.0	---	-4.0	---	-438	---	---	-100	---
TOTAL	---	---	---	24716.0	-2353.0	-2044.0	---	7666.0	---	---	---	---
MEAN	---	---	---	797	-84.0	-65.9	---	247	---	---	---	---
MAX	---	---	---	2950	994	1090	---	2630	---	---	---	---
MIN	---	---	---	-137	-626	-512	---	-438	---	---	---	---
AC-FT	---	---	---	49020	-4670	-4050	---	15210	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1991, BY WATER YEAR (WY)

MEAN	285	104	82.1	178	94.5	117	86.6	216	314	302	315	458
MAX	725	433	479	1326	303	1020	398	855	1343	979	1047	1695
(WY)	1961	1970	1958	1958	1966	1970	1966	1966	1968	1966	1974	1960
MIN	-57.4	2.33	.000	.000	-84.0	-65.9	.000	.000	-152	.000	43.2	4.63
(WY)	1981	1974	1971	1975	1991	1991	1974	1974	1980	1981	1958	1961

SUMMARY STATISTICS	WATER YEARS 1958 - 1991	
ANNUAL MEAN	212	
HIGHEST ANNUAL MEAN	490	1966
LOWEST ANNUAL MEAN	68.1	1962
HIGHEST DAILY MEAN	2970	Jun 9 1966
LOWEST DAILY MEAN	-673	Apr 16 1991
ANNUAL SEVEN-DAY MINIMUM	-407	Jun 12 1980
ANNUAL RUNOFF (AC-FT)	153700	
10 PERCENT EXCEEDS	808	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.17	10.48	10.25	11.13	11.16	10.87	10.98	11.37	---	10.66	11.54	9.17
2	10.38	10.82	10.41	11.38	11.02	10.85	11.05	11.41	---	10.25	11.81	9.22
3	10.34	11.01	11.16	11.60	11.07	11.09	11.47	11.50	---	9.52	11.88	9.34
4	10.32	10.95	10.82	11.43	11.42	11.13	11.24	11.35	10.97	9.22	11.39	9.48
5	9.95	11.00	10.73	11.23	10.83	11.13	10.96	11.13	10.90	9.42	10.92	9.29
6	10.02	11.37	10.88	11.17	9.54	11.09	11.38	11.27	11.12	9.66	10.92	9.33
7	10.17	11.22	10.98	11.21	9.90	11.22	11.34	10.74	10.89	---	11.19	9.18
8	9.93	11.05	10.95	11.32	11.50	11.29	11.42	11.05	11.04	9.31	11.25	9.28
9	9.32	10.89	11.01	11.32	11.62	11.21	11.31	11.31	11.36	9.29	11.17	9.32
10	9.74	10.85	11.05	11.41	11.60	11.46	11.60	11.37	11.13	9.57	9.90	9.25
11	10.01	11.16	11.21	11.52	11.60	11.52	11.43	11.16	10.99	9.72	9.28	9.32
12	10.47	11.06	11.22	11.57	11.37	11.58	11.63	10.81	10.67	9.81	9.24	9.23
13	10.88	11.04	11.14	11.58	11.30	11.65	10.94	10.98	10.77	9.81	9.36	9.21
14	10.72	10.98	11.11	11.62	11.28	11.48	11.18	10.89	11.21	9.80	9.28	9.30
15	9.86	10.99	10.96	11.53	11.31	11.31	10.95	11.43	9.70	9.75	10.28	9.18
16	10.50	11.03	10.91	11.41	11.22	11.20	11.34	11.29	9.30	9.71	11.00	9.26
17	10.50	11.00	10.98	11.23	11.10	11.45	11.17	11.31	9.82	9.62	11.14	9.37
18	10.21	10.96	11.35	11.30	11.11	11.45	11.34	11.23	10.93	9.63	9.21	9.28
19	10.14	11.16	11.09	11.46	11.50	11.53	11.41	10.97	10.92	9.79	9.49	9.24
20	10.17	11.35	11.09	---	11.63	11.70	10.91	11.17	11.50	9.75	10.14	9.32
21	10.49	11.32	11.38	---	11.57	10.83	11.14	10.80	11.28	9.78	9.91	9.19
22	10.81	11.06	11.52	11.56	11.79	11.27	11.00	10.99	11.24	9.81	9.33	9.27
23	11.24	10.85	11.48	11.55	11.81	11.56	11.38	11.03	11.66	9.79	9.25	9.31
24	11.15	11.21	11.56	11.50	11.70	11.17	11.40	11.03	10.35	9.94	9.34	9.30
25	11.05	11.09	11.80	11.24	10.45	11.19	11.33	10.88	10.09	9.81	9.85	9.29
26	11.20	10.93	11.86	11.08	9.91	11.31	11.29	10.82	10.21	9.79	9.60	9.23
27	11.17	11.01	11.77	11.03	10.52	10.92	11.34	10.78	10.78	9.74	9.21	9.18
28	11.09	11.37	11.54	11.09	11.16	10.82	11.52	10.27	10.40	10.05	9.24	9.36
29	10.84	11.25	11.44	11.17	11.11	10.65	11.47	10.45	10.69	10.21	9.23	9.39
30	10.80	10.53	11.28	11.15	---	10.70	11.47	10.31	10.99	11.10	9.47	9.30
31	10.65	---	11.28	11.20	---	11.23	---	---	---	11.24	9.22	---
TOTAL	324.29	330.99	346.21	---	323.10	347.86	338.39	---	---	---	314.04	278.39
MEAN	10.46	11.03	11.17	---	11.14	11.22	11.28	---	---	---	10.13	9.28
MAX	11.24	11.37	11.86	---	11.81	11.70	11.63	---	---	---	11.88	9.48
MIN	9.32	10.48	10.25	---	9.54	10.65	10.91	---	---	---	9.21	9.17

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	-111	336	-45	-46	-52	10	-7.0	---	2700	-136	1660
2	304	-138	255	-30	-50	-56	16	17	---	2660	-182	1210
3	353	-114	-111	-22	-15	-46	25	-14	---	2250	-173	1590
4	836	-87	422	-25	-25	-16	23	-3.0	462	1680	392	2120
5	287	253	352	-48	1570	28	21	61	578	1180	541	1800
6	357	-65	-35	-49	2150	43	13	5.0	614	578	562	1350
7	401	-13	-11	-64	1010	43	27	448	325	---	737	1090
8	824	-12	-64	-9.5	-18	29	17	248	71	1040	817	991
9	694	-31	-50	-57	-7.0	11	2.0	-3.0	20	909	725	1470
10	82	-14	-27	-34	15	86	18	-3.0	14	718	2120	1590
11	287	-97	-55	-17	19	49	56	-38	10	784	1830	1520
12	-100	-37	-30	-41	-10	27	14	113	-66	726	1710	1440
13	-127	-61	-83	-43	-2.0	-9.0	603	-114	-114	759	1710	1420
14	-28	-63	-71	6.0	-23	-11	-9.0	205	894	559	1720	1550
15	654	-82	-24	16	-41	1.0	6.0	-70	2190	522	782	1270
16	-48	-84	-38	9.0	32	-3.0	-33	5.0	2020	558	836	810
17	-51	-67	-61	-29	-24	-31	-23	18	1040	675	1360	936
18	-8.0	-97	-34	-34	-6.0	32	-8.0	.00	719	750	1650	1430
19	-11	-159	22	-27	37	-11	2.0	237	571	740	746	1110
20	-26	-166	-2.0	---	40	22	538	33	13	533	60	1100
21	-47	-116	-69	---	56	-13	60	271	5.0	542	1140	1130
22	-86	-57	-32	8.0	52	-24	89	-16	-38	471	1890	1150
23	-123	2.0	-29	32	76	-15	42	-16	-133	471	2040	1240
24	-92	21	-82	-8.0	60	2.0	23	-7.0	1390	508	1930	1370
25	-121	-24	-88	-36	951	37	1.0	-22	1530	574	2620	1100
26	-97	-41	-55	-33	1030	23	-10	-128	2560	552	2530	904
27	-78	-95	4.0	-52	771	-13	70	-127	2760	633	1680	869
28	-75	-4.5	30	-61	-44	-1.0	-2.0	197	2880	438	1380	1380
29	-28	-87	25	21	-30	-6.0	-6.0	-124	2840	-48	1160	1940
30	-32	768	-23	14	---	53	5.0	-135	2710	-144	1950	1710
31	1.0	---	-37	53	---	22	---	---	---	-149	1970	---
TOTAL	4293.0	-878.5	335.0	---	7528.0	201.0	1590.0	---	---	---	38097	40250
MEAN	138	-29.3	10.8	---	260	6.48	53.0	---	---	---	1229	1342
MAX	836	768	422	---	2150	86	603	---	---	---	2620	2120
MIN	-127	-166	-111	---	-50	-56	-33	---	---	---	-182	810
AC-FT	8520	-1740	664	---	14930	399	3150	---	---	---	75570	79840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	279	98.6	79.2	178	101	113	85.3	216	314	302	351	494
MAX	725	433	479	1326	303	1020	398	855	1343	979	1229	1695
(WY)	1961	1970	1958	1958	1966	1970	1966	1966	1968	1966	1992	1960
MIN	-57.4	-29.3	.000	.000	-84.0	-65.9	.000	.000	-152	.000	43.2	4.63
(WY)	1981	1992	1971	1975	1991	1991	1974	1974	1980	1981	1958	1961

SUMMARY STATISTICS	WATER YEARS 1958 - 1992	
ANNUAL MEAN	212	
HIGHEST ANNUAL MEAN	490	1966
LOWEST ANNUAL MEAN	68.1	1962
HIGHEST DAILY MEAN	2970	Jun 9 1966
LOWEST DAILY MEAN	-673	Apr 16 1991
ANNUAL SEVEN-DAY MINIMUM	-407	Jun 12 1990
ANNUAL RUNOFF (AC-FT)	153700	
10 PERCENT EXCEEDS	837	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.24	11.69	11.71	11.15	9.30	11.04	9.26	10.33	9.27	---	11.50	9.33
2	9.28	11.47	11.73	9.50	9.28	10.94	9.24	10.25	9.73	---	11.58	9.34
3	9.31	11.38	11.63	9.22	9.17	10.87	9.30	10.47	10.34	11.26	11.23	9.33
4	9.21	11.82	11.50	9.32	9.19	11.20	9.32	11.03	9.83	11.04	11.01	9.49
5	9.52	12.08	11.43	9.34	9.23	11.51	9.33	11.09	10.70	10.86	11.16	10.39
6	10.17	11.92	11.35	9.33	9.18	11.26	9.28	11.11	10.14	10.71	11.02	10.82
7	10.86	11.83	11.35	9.53	9.21	10.98	9.26	11.23	9.48	11.04	11.22	9.41
8	11.00	9.37	11.33	10.11	9.25	e10.89	9.23	11.75	10.56	11.13	11.16	9.27
9	10.77	9.33	11.26	10.82	9.24	e11.71	9.34	11.42	10.42	11.34	11.10	9.41
10	10.87	9.36	11.08	10.53	9.23	11.87	9.29	11.24	9.70	11.38	11.39	10.18
11	11.06	9.28	11.51	9.88	9.23	11.82	9.29	11.38	9.74	11.20	11.05	---
12	11.12	9.45	11.35	9.23	9.27	11.66	9.81	11.25	10.05	11.22	10.87	---
13	11.07	10.62	11.39	9.24	9.20	12.07	10.38	11.26	10.20	11.30	11.15	---
14	10.97	11.70	11.50	9.26	9.17	11.53	10.28	11.12	10.26	11.08	11.36	---
15	11.01	11.45	11.46	9.24	9.25	11.16	10.41	11.40	10.16	11.05	11.36	9.29
16	10.89	11.46	11.41	9.36	9.25	10.11	10.09	11.59	10.68	11.25	11.38	9.23
17	10.75	11.49	11.37	9.23	9.29	9.49	9.21	11.43	10.40	11.09	11.57	9.74
18	10.81	10.53	11.37	9.25	9.21	9.42	9.25	11.03	10.34	10.95	11.38	10.06
19	10.89	10.74	11.38	9.22	9.23	9.93	9.61	10.86	10.90	11.09	11.09	10.08
20	11.30	10.26	11.29	9.23	9.25	9.68	10.78	11.14	11.05	10.95	10.87	10.49
21	11.37	9.72	11.22	9.22	9.25	9.62	10.99	11.04	10.92	10.84	11.05	11.01
22	11.33	9.19	11.16	9.31	9.35	9.75	11.04	10.83	10.62	10.80	11.08	11.23
23	11.55	9.20	11.41	9.33	9.20	9.66	10.76	10.89	11.14	10.80	11.76	11.11
24	11.83	9.65	11.54	9.22	9.23	9.23	10.59	10.75	10.94	11.07	11.67	10.99
25	11.91	10.15	11.62	9.35	9.25	9.33	10.46	10.81	10.55	11.16	11.38	10.99
26	11.85	10.76	11.74	10.51	10.24	9.24	10.47	11.07	11.19	11.34	11.14	11.45
27	11.71	10.39	11.91	10.33	11.50	9.26	10.59	11.03	---	10.99	11.23	10.88
28	11.69	11.13	11.19	9.28	11.06	9.21	10.32	11.15	---	11.38	10.67	10.76
29	11.63	11.69	11.56	9.30	---	9.32	10.21	10.82	---	11.19	9.32	10.50
30	11.67	11.69	11.63	9.27	---	9.20	10.24	9.29	---	11.52	9.57	10.62
31	11.75	---	10.57	9.20	---	9.29	---	9.30	---	11.56	9.37	---
TOTAL	338.39	320.80	353.95	296.31	263.71	322.25	297.63	339.36	---	---	342.69	---
MEAN	10.92	10.69	11.42	9.56	9.42	10.40	9.92	10.95	---	---	11.05	---
MAX	11.91	12.08	11.91	11.15	11.50	12.07	11.04	11.75	---	---	11.76	---
MIN	9.21	9.19	10.57	9.20	9.17	9.20	9.21	9.29	---	---	9.32	---

e Estimated

02281200 HILLSBORO CANAL AT S-6, NEAR SHAWANO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	-135	-74	40	1050	---	906	-150	954	---	-172	1890
2	1490	---	-83	2250	1000	---	---	-139	-22	---	-26	1460
3	1310	---	-82	1490	877	---	649	-91	414	-105	-102	1390
4	1020	---	-68	1140	853	---	746	-106	31	-137	-133	698
5	432	---	-52	1230	1040	---	1010	-131	-92	-122	-123	545
6	328	---	-73	1410	812	---	747	-183	672	-98	-146	581
7	-113	---	-108	734	653	---	734	-116	232	-139	-95	1520
8	-66	---	-106	338	666	---	716	-104	-72	-106	-57	870
9	-44	---	-78	1320	704	---	885	-76	-138	-117	-10	457
10	-139	---	418	1590	703	---	877	-112	-132	-31	-41	349
11	-154	1560	-66	1650	675	---	631	-109	-117	-50	-77	---
12	-89	1480	40	1490	955	---	276	-94	-60	-47	-97	---
13	-87	9.0	1.4	1090	---	-65	-32	-71	-72	-21	-105	---
14	-76	8.0	10	1130	---	74	10	-111	-80	-36	-130	---
15	-38	.00	41	888	---	-55	-3.0	-238	-84	-88	-123	2000
16	-14	-65	54	1310	---	1040	973	-205	-77	-127	-63	1880
17	-89	-20	-121	1160	---	410	929	-134	-46	-100	-78	861
18	-36	489	-40	915	---	327	753	-90	-112	-112	-60	742
19	14	-87	-31	754	---	320	573	-134	-45	-100	-81	295
20	-28	648	-43	716	---	201	-10	e-55	-114	-146	-71	417
21	-31	1630	-93	698	---	263	7.0	e-31	-142	-157	-95	-48
22	-23	1540	-90	672	---	262	40	e-18	-126	-172	-174	-121
23	-85	1330	-99	661	---	604	7.0	e-14	-66	-166	-44	-68
24	-125	438	-52	654	---	885	-18	e-22	-27	-180	26	-67
25	-70	641	-19	1640	---	946	26	-78	474	-159	438	-91
26	-101	-72	-82	---	---	1070	15	-112	15	-142	633	-73
27	-107	448	-62	---	26	989	18	-65	---	-151	746	575
28	-105	-37	---	2140	15	---	38	-66	---	-136	1260	629
29	-108	-22	---	1840	---	---	27	423	---	-156	1280	576
30	-143	-72	---	1360	---	---	-4.0	1140	---	-104	1970	467
31	-92	---	---	960	---	756	---	935	---	-301	2060	---
TOTAL	4501	---	---	---	---	---	---	-357	---	---	6310	---
MEAN	145	---	---	---	---	---	---	-11.5	---	---	204	---
MAX	1870	---	---	---	---	---	---	1140	---	---	2060	---
MIN	-154	---	---	---	---	---	---	-238	---	---	-174	---
AC-FT	8930	---	---	---	---	---	---	-708	---	---	12520	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	274	98.6	79.2	178	101	113	85.3	207	314	302	345	494
MAX	725	433	479	1326	303	1020	398	855	1343	979	1229	1695
(WY)	1961	1970	1958	1958	1966	1970	1966	1966	1968	1966	1992	1960
MIN	-57.4	-29.3	.000	.000	-84.0	-65.9	.000	-11.5	-152	.000	43.2	4.63
(WY)	1981	1992	1971	1975	1991	1991	1974	1993	1980	1981	1958	1961

SUMMARY STATISTICS	WATER YEARS 1958 - 1993	
ANNUAL MEAN	212	
HIGHEST ANNUAL MEAN	490	1966
LOWEST ANNUAL MEAN	68.1	1962
HIGHEST DAILY MEAN	2970	Jun 9 1966
LOWEST DAILY MEAN	-673	Apr 16 1991
ANNUAL SEVEN-DAY MINIMUM	-407	Jun 12 1980
ANNUAL RUNOFF (AC-FT)	153700	
10 PERCENT EXCEEDS	865	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

e Estimated

02281400 HILLSBORO CANAL NEAR MARGATE, FL

LOCATION.--Lat 26°19'48", long 80°12'45", in NW1/4 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.

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 fair. Flow affected by regulation downstream at Deerfield Beach and upstream storage releases at control structure S-39.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 13 complete water years of discharge (1977-89).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.88 ft Apr. 25, 1979; minimum, 4.15 ft May 20, 1978.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.81 ft Apr. 16; minimum, 6.33 ft Aug. 11.

STATION NUMBER 02281400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.66	7.23	7.74	7.72	---	7.03	8.03	7.08	7.61	7.69	7.73	8.05
2	7.36	7.45	7.71	7.56	---	7.24	7.79	7.31	8.08	7.80	7.54	7.87
3	---	7.30	7.82	7.73	---	7.13	7.91	7.68	7.77	7.34	7.83	8.06
4	---	7.30	7.94	7.63	---	6.90	7.91	7.74	7.90	7.81	7.74	7.64
5	---	6.83	7.51	7.60	---	7.16	7.70	7.07	7.97	7.82	7.77	7.90
6	---	6.73	7.25	7.66	---	7.18	7.76	7.23	7.88	7.65	7.89	7.87
7	---	7.58	7.29	7.62	---	7.30	7.82	7.28	7.99	7.97	7.49	7.74
8	---	7.63	7.22	7.57	---	7.25	7.43	7.87	7.71	7.39	7.44	7.73
9	7.38	---	7.14	7.59	---	7.01	7.58	7.92	7.33	7.76	7.93	7.75
10	7.36	---	---	7.81	---	7.20	7.71	7.66	7.56	7.89	7.96	7.91
11	7.34	---	---	7.40	7.13	7.47	7.73	7.03	7.42	7.85	7.43	7.88
12	7.23	---	---	7.54	7.50	7.52	7.26	6.95	7.11	---	7.94	7.78
13	7.14	7.89	---	7.66	7.79	7.55	7.20	7.03	7.02	---	7.64	7.91
14	7.09	7.78	---	7.42	7.58	7.09	7.09	7.25	7.10	---	7.30	8.01
15	7.08	7.67	---	7.83	7.33	7.60	7.06	7.48	7.56	---	7.81	8.12
16	7.05	7.52	---	7.68	7.18	7.82	8.16	7.34	7.49	---	7.88	8.08
17	7.21	7.60	---	---	7.20	7.57	7.92	7.17	7.47	7.47	8.03	8.04
18	7.23	7.81	---	---	7.11	7.68	7.90	7.38	7.73	7.51	7.44	7.99
19	7.29	7.30	---	---	7.43	7.90	7.76	7.89	7.91	7.57	7.44	7.71
20	7.24	8.04	---	---	7.55	7.69	7.68	7.86	8.07	7.68	7.45	7.40
21	7.29	7.62	---	---	7.33	7.93	7.82	7.86	7.80	7.80	7.39	7.78
22	7.41	7.31	7.27	---	7.40	8.31	7.36	7.72	8.01	7.63	7.32	8.50
23	7.25	7.30	7.14	---	7.80	8.07	7.54	7.85	7.75	7.36	7.28	8.49
24	7.37	7.60	7.22	---	7.53	7.85	7.39	7.98	7.99	7.42	7.90	8.41
25	7.21	7.34	7.67	---	7.12	7.69	7.41	7.94	7.53	7.29	7.47	8.34
26	7.39	7.87	7.59	---	7.25	7.88	7.91	7.97	7.39	7.81	7.44	8.40
27	7.28	7.63	7.68	---	7.70	7.78	7.74	7.91	7.52	7.84	7.31	8.32
28	7.09	7.41	7.68	---	7.21	7.85	7.36	7.86	7.76	7.60	7.61	8.45
29	7.63	7.31	7.56	---	---	7.48	7.20	8.04	7.86	7.65	7.83	8.40
30	7.29	7.45	7.57	---	---	7.41	6.86	7.64	7.49	7.67	7.94	8.53
31	7.14	---	7.64	---	---	7.85	---	7.41	---	7.71	8.26	---
TOTAL	---	---	---	---	---	233.39	227.99	234.40	229.78	---	237.43	241.06
MEAN	---	---	---	---	---	7.53	7.60	7.56	7.66	---	7.66	8.04
MAX	---	---	---	---	---	8.31	8.16	8.04	8.08	---	8.26	8.53
MIN	---	---	---	---	---	6.90	6.86	6.95	7.02	---	7.28	7.40

02281400 HILLSBORO CANAL NEAR MARGATE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	53	2.3	255	---	94	---	118	77	31	72	294
2	---	32	6.9	233	---	80	---	125	145	89	86	226
3	---	32	7.8	186	---	81	---	103	227	86	73	316
4	---	22	9.6	173	---	62	---	99	122	50	85	212
5	---	27	17	129	---	79	---	108	100	89	66	205
6	---	43	25	85	---	76	---	127	113	50	50	206
7	---	25	16	55	---	83	---	106	77	67	56	196
8	---	17	---	80	---	109	---	67	91	94	39	194
9	6.4	---	---	301	---	170	---	45	67	57	49	156
10	7.4	---	---	299	---	164	---	68	34	66	39	135
11	2.6	---	---	242	54	134	---	101	60	41	90	117
12	4.6	---	---	77	128	111	---	132	73	---	39	139
13	17	134	---	99	110	114	---	113	84	---	80	101
14	27	78	---	29	23	135	---	75	73	---	50	161
15	35	47	---	61	45	94	---	29	23	---	15	191
16	54	28	---	---	54	43	---	28	33	---	70	159
17	82	20	---	---	63	65	402	67	47	39	67	119
18	74	94	---	---	97	---	257	142	47	25	59	104
19	76	80	---	---	57	---	171	127	49	15	16	102
20	88	27	---	---	73	---	116	131	65	20	24	84
21	138	120	---	---	48	---	130	128	67	27	14	69
22	74	86	78	---	34	---	92	131	65	78	5.1	72
23	65	89	135	---	30	---	59	108	47	78	13	80
24	42	88	153	---	40	---	84	95	69	96	71	82
25	21	70	71	---	47	---	46	96	108	76	105	79
26	41	6.4	143	---	64	---	69	99	70	44	107	72
27	58	18	60	---	26	---	129	110	48	142	66	75
28	76	17	134	---	58	---	93	78	33	90	48	83
29	66	21	100	---	---	---	85	43	54	58	205	97
30	51	7.0	38	---	---	---	130	108	89	73	225	97
31	65	---	68	---	---	---	---	104	---	75	399	---
TOTAL	---	---	---	---	---	---	---	3011	2257	---	2383.1	4223
MEAN	---	---	---	---	---	---	---	97.1	75.2	---	76.9	141
MAX	---	---	---	---	---	---	---	142	227	---	399	316
MIN	---	---	---	---	---	---	---	28	23	---	5.1	69
AC-FT	---	---	---	---	---	---	---	5970	4480	---	4730	8380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1993, BY WATER YEAR (WY)

MEAN	153	155	147	212	197	191	192	145	176	213	235	211
MAX	267	257	230	427	434	475	458	449	460	624	588	398
(WY)	1980	1981	1979	1984	1983	1986	1983	1982	1982	1986	1988	1978
MIN	77.5	48.3	54.3	47.4	59.9	44.0	54.8	52.3	45.4	77.5	75.5	40.3
(WY)	1990	1990	1990	1992	1977	1991	1977	1981	1985	1977	1987	1992

SUMMARY STATISTICS	WATER YEARS 1976 - 1993	
ANNUAL MEAN	205	
HIGHEST ANNUAL MEAN	322	1982
LOWEST ANNUAL MEAN	103	1977
HIGHEST DAILY MEAN	956	Mar 11 1986
LOWEST DAILY MEAN	-247	Apr 25 1979
ANNUAL SEVEN-DAY MINIMUM	-45	Nov 17 1976
ANNUAL RUNOFF (AC-FT)	148500	
10 PERCENT EXCEEDS	373	
50 PERCENT EXCEEDS	138	
90 PERCENT EXCEEDS	47	

02281490 C-2 CANAL ABOVE S-4 NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°19'39", long 80°08'02", in NW1/4 sec.35, T.47 S., R.42 E., Broward County, Hydrologic Unit 03090202, (West-Dixie Bend quadrangle), on Hillsboro Canal at S-4 control structure, 2.2 mi east of junction of Florida Turnpike over Hillsboro Canal, 2.2 mi west of Deerfield Beach, and 4.2 mi east of State Highway 7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1989 to September 1992 (gage heights only). October 1992 to current year. Discontinued.

GAGE.--Satellite data collection platform with shaft-encoder and pump relay monitors. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Station established to determined discharge diverted from Hillsboro Canal south into C-2 Canal. Discharge computations based on manufacturers' pump ratings which were provided by Broward County Office of Environmental Services.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.96 ft Apr. 9, 1990; minimum, 3.74 ft Nov. 11, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.54 ft Sept. 25; minimum, 3.74 ft Nov. 11.

STATION NUMBER 02281490
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.27	7.09	7.64	6.54	7.18	6.94	---	6.95	7.47	7.62	7.62	7.60
2	6.75	7.37	7.62	6.91	7.32	7.15	---	7.16	7.88	7.69	7.45	7.54
3	7.42	7.20	7.73	7.63	7.23	7.03	---	7.56	7.43	7.23	7.66	7.55
4	7.41	7.15	7.83	7.53	7.27	6.84	---	7.61	7.74	7.74	7.66	7.36
5	7.39	6.68	7.35	7.50	7.67	7.09	---	6.93	7.83	7.69	7.64	7.65
6	7.41	6.67	7.15	7.56	7.61	7.09	---	7.09	7.69	7.57	7.82	7.62
7	7.36	7.40	7.18	7.52	7.31	7.22	---	7.15	7.86	7.87	7.43	7.51
8	7.29	7.52	7.12	7.47	7.59	7.13	---	7.76	7.56	7.26	7.31	---
9	7.27	6.41	7.03	7.49	7.60	6.87	---	7.82	7.20	7.70	7.84	---
10	7.25	4.31	7.12	7.71	7.30	7.06	---	7.53	7.46	7.81	7.81	---
11	7.24	4.01	7.32	7.30	7.04	7.35	---	---	7.30	7.78	7.16	---
12	7.12	5.63	7.01	7.44	7.35	7.41	---	---	6.99	7.86	7.81	---
13	7.03	7.46	7.00	7.56	7.66	7.44	---	6.89	6.89	7.43	7.55	---
14	6.97	7.48	7.13	7.32	7.50	6.98	---	7.16	6.99	7.36	7.19	7.57
15	6.95	7.48	7.40	7.73	7.24	7.50	---	7.37	7.46	7.80	7.74	7.59
16	6.92	7.38	7.11	7.58	7.09	7.71	---	7.24	7.38	7.30	7.80	---
17	7.08	7.46	7.29	7.48	7.11	7.46	7.25	7.05	7.37	7.43	7.94	---
18	7.11	6.99	7.09	7.16	7.03	7.54	7.60	7.24	7.62	7.47	7.35	---
19	7.16	6.84	7.11	7.19	7.35	7.82	7.56	7.74	7.79	7.54	7.38	---
20	7.08	7.46	7.23	6.94	7.46	7.54	7.53	7.72	7.95	7.64	7.39	---
21	7.11	7.02	7.26	6.91	7.25	7.60	7.68	7.71	7.67	7.75	7.32	---
22	7.27	6.93	7.19	7.19	7.33	7.27	7.25	7.56	7.90	7.55	7.25	---
23	7.12	6.94	7.04	7.43	7.72	7.50	7.44	7.70	7.64	7.27	7.21	---
24	7.26	7.24	7.12	7.68	7.44	7.48	7.27	7.84	7.87	7.31	7.81	---
25	7.09	7.08	7.57	6.37	7.03	7.38	7.32	7.81	7.38	7.18	7.36	8.22
26	7.29	7.77	7.49	6.63	7.17	7.61	---	7.84	7.28	7.74	7.32	8.28
27	7.14	7.50	7.58	7.37	7.62	---	---	7.76	7.42	7.64	7.23	8.19
28	6.98	7.28	7.58	7.46	7.12	---	---	7.74	7.67	7.44	7.52	8.32
29	7.50	7.19	7.46	7.46	---	---	---	7.93	7.76	7.55	7.55	8.27
30	7.14	7.37	7.47	7.26	---	---	---	7.48	7.37	7.53	7.61	8.39
31	7.02	---	7.54	7.27	---	---	---	7.25	---	7.61	7.55	---
TOTAL	221.40	208.31	226.76	226.59	205.59	---	---	---	225.82	234.36	233.28	---
MEAN	7.14	6.94	7.31	7.31	7.34	---	---	---	7.53	7.56	7.53	---
MAX	7.50	7.77	7.83	7.73	7.72	---	---	---	7.95	7.87	7.94	---
MIN	6.27	4.01	7.00	6.37	7.03	---	---	---	6.89	7.18	7.16	---

02281490 C-2 CANAL ABOVE S-4 NEAR DEERFIELD BEACH, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	15	5.3	.00	15	14	---	15	7.5	7.5	7.5	15
2	26	15	7.5	.00	15	15	---	15	7.5	9.5	7.5	15
3	26	15	7.5	.00	15	15	---	15	7.5	15	7.5	15
4	26	15	10	.00	15	15	---	15	7.5	15	7.5	15
5	26	12	15	.00	15	15	---	15	7.5	15	7.5	15
6	26	7.5	15	.00	15	15	---	15	7.5	15	7.5	15
7	14	7.5	15	.00	15	15	---	15	7.5	15	7.5	15
8	15	7.5	15	.00	8.6	15	---	15	15	15	7.5	e15
9	15	7.5	15	.00	.00	15	---	15	15	15	7.5	---
10	13	.00	15	.00	9.4	15	---	15	15	15	7.5	---
11	13	.00	15	.00	15	15	---	---	14	15	7.3	---
12	13	.00	15	.00	4.2	8.9	---	---	15	15	7.5	---
13	13	.00	15	.00	.00	3.9	---	15	15	15	7.5	---
14	12	.00	15	.00	.00	7.5	---	15	15	15	7.5	---
15	15	.00	14	.00	12	7.5	---	15	15	15	7.5	---
16	15	4.1	18	.00	15	7.5	---	15	15	15	7.5	---
17	15	6.9	15	.00	20	7.5	15	15	15	15	7.5	e7.5
18	15	.00	15	.00	30	7.5	15	15	15	15	7.5	e7.5
19	15	.00	15	10	24	7.5	15	15	15	15	7.5	e7.5
20	15	.00	15	9.8	15	7.5	15	15	15	15	7.5	e7.5
21	14	.00	15	.00	15	7.5	15	15	15	15	7.5	e7.5
22	15	.00	15	.00	15	7.5	15	15	15	15	7.5	e7.5
23	15	.00	14	.00	15	13	15	15	15	13	7.5	e7.5
24	15	.00	15	.00	15	15	15	15	15	7.5	7.5	e7.5
25	15	.00	15	.00	15	15	15	15	15	7.5	13	7.5
26	15	.00	15	.00	15	9.2	---	15	15	7.5	14	7.5
27	15	.00	15	.00	15	---	---	15	15	7.5	15	6.9
28	15	.00	3.9	.00	15	---	---	12	15	7.5	15	1.7
29	15	.00	.00	.00	---	---	---	7.5	14	7.5	15	2.3
30	15	.00	.00	.00	---	---	---	7.5	7.5	7.5	15	.62
31	15	---	.00	.00	---	---	---	7.5	---	7.5	15	---
TOTAL	518	113.00	380.20	19.80	378.20	---	---	---	388.0	390.0	281.8	---
MEAN	16.7	3.77	12.3	.64	13.5	---	---	---	12.9	12.6	9.09	---
MAX	26	15	18	10	30	---	---	---	15	15	15	---
MIN	12	.00	.00	.00	.00	---	---	---	7.5	7.5	7.3	---
AC-FT	1030	224	754	39	750	---	---	---	770	774	559	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1993, BY WATER YEAR (WY)

MEAN	15.8	9.38	13.6	7.82	14.3	15.0	15.0	---	13.4	13.6	11.5	---
MAX	16.7	15.0	15.0	15.0	15.0	15.0	15.0	---	13.9	14.6	14.0	---
(WY)	1993	1990	1990	1990	1990	1990	1990	---	1989	1989	1989	---
MIN	14.9	3.77	12.3	.64	13.5	15.0	15.0	---	12.9	12.6	9.09	---
(WY)	1990	1993	1993	1993	1993	1990	1990	---	1993	1993	1993	---

SUMMARY STATISTICS	WATER YEARS 1989 - 1993	
HIGHEST DAILY MEAN	30	Feb 18 1993
LOWEST DAILY MEAN	.00	May 7 1989
ANNUAL SEVEN-DAY MINIMUM	.00	Nov 18 1992
10 PERCENT EXCEEDS	15	
50 PERCENT EXCEEDS	15	
90 PERCENT EXCEEDS	6.4	

e Estimated

02281491 C-2 CANAL BELOW S-4 NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°19'38", long 80°08'02", in NW1/4 sec.35, T.47 S., R.42 E., Broward County, Hydrologic Unit 03090202, (West-Dixie Bend quadrangle), on downstream side of S-4 control structure, 2.2 mi east of junction of Florida Turnpike over Hillsboro Canal, 2.2 mi west of Deerfield Beach, and 4.2 mi east of State Highway 7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1989 to current year (gage heights). (Discontinued).

GAGE.--Satellite data collection platform with shaft encoder.

REMARKS.--Gage records water levels south of S-4.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.13 ft Aug. 28, 1990; minimum, 6.64 ft May 9, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.51 ft Nov. 18; minimum, 7.47 ft May 26.

STATION NUMBER 02281491
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.44	8.07	9.49	9.76	9.51	9.41	---	8.54	8.10	8.17	8.36	8.86
2	9.48	8.02	9.46	9.79	9.57	9.36	---	8.55	8.20	8.16	8.28	8.90
3	9.52	7.95	9.43	9.73	9.56	9.31	---	8.50	8.39	8.20	8.17	8.99
4	9.52	7.91	9.39	9.64	9.60	9.28	---	8.43	8.39	8.21	8.08	8.94
5	9.42	7.90	9.48	9.75	9.77	9.21	---	8.37	8.48	8.21	7.98	8.90
6	9.32	7.81	9.52	9.80	9.88	9.19	---	8.30	8.59	8.17	7.90	9.00
7	9.22	7.77	9.50	9.74	9.92	9.18	---	8.24	8.56	8.23	7.87	9.01
8	9.12	7.84	9.46	9.67	9.89	9.13	---	8.23	8.53	8.49	7.99	---
9	9.04	8.36	9.43	9.84	9.72	9.04	---	8.27	8.49	8.59	8.26	---
10	8.98	10.28	9.41	10.05	9.59	8.98	---	8.21	8.45	8.61	8.35	---
11	8.95	10.18	9.38	10.12	9.61	8.92	---	---	8.40	8.63	8.33	---
12	8.87	10.09	9.33	10.06	9.75	8.84	---	---	8.43	8.66	8.32	---
13	8.76	10.00	9.31	9.98	9.72	8.95	---	8.05	8.46	8.62	8.31	---
14	8.66	9.91	9.24	9.88	9.59	8.89	---	8.02	8.43	8.60	8.28	9.10
15	8.61	9.79	9.15	9.80	9.53	8.81	---	8.03	8.37	8.61	8.25	9.23
16	8.57	9.65	9.15	9.85	9.55	8.76	---	8.04	8.33	8.58	8.22	---
17	8.57	9.56	9.16	9.85	9.55	8.78	9.17	7.99	8.28	8.53	8.24	---
18	8.57	10.21	9.15	9.78	9.69	9.01	9.18	7.90	8.23	8.48	8.24	---
19	8.50	10.36	9.17	9.71	9.74	9.02	9.12	7.80	8.21	8.39	8.17	---
20	8.43	10.37	9.18	9.76	9.68	9.01	9.03	7.73	8.21	8.31	8.11	---
21	8.37	10.37	9.15	9.71	9.65	9.26	9.02	7.65	8.17	8.33	8.05	---
22	8.34	10.28	9.10	9.63	9.59	9.58	9.00	7.64	8.10	8.32	7.98	---
23	8.31	10.21	9.06	9.57	9.65	9.66	8.97	7.68	8.03	8.36	8.05	---
24	8.31	10.15	9.07	9.51	9.61	9.70	8.93	7.64	7.99	8.49	8.36	---
25	8.31	10.08	9.33	9.65	9.52	9.78	8.90	7.55	7.96	8.43	8.40	8.65
26	8.25	10.01	9.52	9.76	9.46	9.83	---	7.53	8.00	8.34	8.47	8.64
27	8.19	9.93	9.67	9.73	9.49	---	---	7.67	8.10	8.26	8.50	8.61
28	8.15	9.84	9.88	9.68	9.47	---	---	7.71	8.12	8.27	8.55	8.53
29	8.15	9.73	9.76	9.62	---	---	---	7.76	8.09	8.31	8.74	8.54
30	8.09	9.60	9.64	9.56	---	---	---	7.84	8.19	8.34	8.89	8.52
31	8.08	---	9.63	9.51	---	---	---	7.96	---	8.40	8.89	---
TOTAL	270.10	282.23	290.60	302.49	269.86	---	---	---	248.28	260.30	256.59	---
MEAN	8.71	9.41	9.37	9.76	9.64	---	---	---	8.28	8.40	8.28	---
MAX	9.52	10.37	9.88	10.12	9.92	---	---	---	8.59	8.66	8.89	---
MIN	8.08	7.77	9.06	9.51	9.46	---	---	---	7.96	8.16	7.87	---

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°10'22", long 80°10'47", in NW1/4 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.

GAGE.--Water-stage recorder and gate-opening recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Electromagnetic velocity meter and deflection vane recorder at same site prior to Oct. 1, 1985.

REMARKS.--Records fair. No estimated daily discharge and stage. Flow is at times affected by tide and occasionally reversed. Flow is regulated by operation of salinity-control structure 36. Discharge computed from the relationship of gate opening versus head difference. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

COOPERATION.--Gage height and S-36 gate-operation records provided by South Florida Water Management District upon request.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 29 complete water years of discharge (1962-90).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.38 ft Dec. 27, 1958; minimum, -0.53 ft June 28, 1958.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.03 ft Aug. 10; minimum, 3.73 ft Sept. 8.

STATION NUMBER 02282700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.34	4.69	4.58	4.52	4.56	4.52	4.60	4.42	4.27	4.63	4.56	4.64
2	4.34	4.70	4.40	4.56	4.40	4.57	4.30	4.38	4.35	4.52	4.69	4.66
3	4.54	4.71	4.59	4.50	4.47	4.60	4.44	4.37	4.44	4.56	4.68	4.72
4	4.52	4.83	4.35	4.60	4.63	4.64	4.57	4.38	4.31	4.56	4.66	4.69
5	4.49	4.89	4.52	4.23	4.48	4.60	4.38	4.37	4.29	4.54	4.64	4.43
6	4.59	4.88	4.64	4.64	4.48	4.58	4.40	4.36	4.39	4.52	4.62	4.53
7	4.64	4.89	4.52	4.51	4.42	4.58	4.30	4.36	4.31	4.50	4.58	4.41
8	4.63	4.64	4.64	4.64	4.62	4.60	4.53	4.34	4.37	4.51	4.62	4.51
9	4.64	4.15	4.67	4.09	4.53	4.59	4.59	4.34	4.51	4.53	4.73	4.63
10	4.66	4.06	4.52	4.23	4.62	4.61	4.65	4.35	4.53	4.50	4.89	4.63
11	4.65	4.18	4.48	4.20	4.31	4.63	4.47	4.35	4.58	4.52	4.95	4.40
12	4.42	4.31	4.56	4.37	4.50	4.60	4.47	4.46	4.52	4.55	4.94	4.56
13	4.51	4.28	4.63	4.47	4.62	4.30	4.53	4.57	4.61	4.56	4.75	4.61
14	4.55	4.36	4.64	4.34	4.66	4.50	4.52	4.40	4.54	4.26	4.58	4.42
15	4.54	4.55	4.65	4.39	4.67	4.53	4.53	4.48	4.39	4.58	4.45	4.35
16	4.57	4.45	4.66	4.31	4.65	4.56	4.32	4.60	4.53	4.58	4.31	4.48
17	4.55	4.59	4.63	4.48	4.37	4.55	3.96	4.65	4.54	4.53	4.23	4.56
18	4.52	4.30	4.64	4.60	4.39	4.22	4.30	4.66	4.45	4.49	4.26	4.56
19	4.53	4.60	4.65	4.20	4.52	4.48	4.51	4.57	4.42	4.46	4.28	4.51
20	4.47	4.29	4.65	4.63	4.56	4.44	4.57	4.49	4.57	4.46	4.29	4.66
21	4.48	4.28	4.66	4.12	4.58	4.10	4.60	4.41	4.61	4.53	4.49	4.66
22	4.50	4.40	4.64	4.54	4.62	4.08	4.61	4.34	4.65	4.47	4.57	4.62
23	4.52	4.20	4.64	4.64	4.56	4.37	4.57	4.27	4.67	4.50	4.61	4.55
24	4.47	4.26	4.64	4.43	4.51	4.37	4.51	4.26	4.27	4.58	4.64	4.48
25	4.55	4.44	4.47	4.26	4.50	4.13	4.49	4.23	4.53	4.59	4.67	4.41
26	4.47	4.46	4.22	4.44	4.56	4.36	4.53	4.22	4.57	4.61	4.67	4.37
27	4.48	4.46	4.55	4.34	4.68	4.43	4.57	4.20	4.58	4.54	4.69	4.34
28	4.48	4.49	4.66	4.53	4.49	4.44	4.51	4.24	4.55	4.20	4.52	4.30
29	4.59	4.48	4.50	4.64	---	4.61	4.47	4.32	4.52	4.26	4.50	4.33
30	4.68	4.35	4.57	4.48	---	4.43	4.45	4.54	4.57	4.37	4.33	4.53
31	4.70	---	4.49	4.42	---	4.43	---	4.39	---	4.55	4.45	---
TOTAL	140.62	134.17	141.66	137.35	126.96	138.45	134.25	136.32	134.44	139.56	141.85	135.55
MEAN	4.54	4.47	4.57	4.43	4.53	4.47	4.47	4.40	4.48	4.50	4.58	4.52
MAX	4.70	4.89	4.67	4.64	4.68	4.64	4.65	4.66	4.67	4.63	4.95	4.72
MIN	4.34	4.06	4.22	4.09	4.31	4.08	3.96	4.20	4.27	4.20	4.23	4.30

02282700 MIDDLE RIVER CANAL AT S-36, NEAR FORT LAUDERDALE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.00	.00	93	.00	.00	5.6	8.6	248	.00	---	.00
2	---	.00	125	1.2	138	.00	170	8.7	184	71	---	.00
3	---	.00	.00	93	.00	.00	5.7	8.8	84	.00	---	.00
4	---	.00	139	21	.00	.00	5.7	8.9	151	.00	---	84
5	---	.00	.00	164	110	.00	163	9.0	162	.00	---	151
6	---	.00	.00	.00	141	.00	141	9.0	122	.00	---	82
7	---	.00	81	83	33	.00	45	8.8	154	.00	---	63
8	---	112	.00	.00	.00	.00	5.3	8.6	116	.00	---	---
9	---	305	.00	435	86	.00	5.2	8.6	67	.00	---	---
10	---	417	99	340	.00	.00	5.3	8.5	65	.00	---	---
11	---	265	79	356	169	.00	107	8.6	47	.00	.00	---
12	---	145	.00	210	.00	.00	8.4	8.5	66	.00	.00	---
13	---	151	.00	137	.00	236	8.6	8.6	.00	.00	.00	---
14	---	124	6.9	132	.00	.00	8.5	116	67	227	.00	---
15	---	76	.00	150	.00	.00	8.5	8.5	142	---	.00	157
16	---	40	.00	188	16	.00	280	8.7	.00	---	.00	46
17	---	50	.00	104	169	115	248	8.7	92	---	.00	38
18	---	194	.00	3.3	.00	271	20	8.7	113	---	.00	47
19	---	.00	.00	197	.00	24	8.6	8.5	22	---	.00	59
20	---	328	.00	.00	.00	134	8.6	8.3	.00	---	.00	.00
21	---	235	.00	216	.00	407	8.8	8.2	.00	---	.00	.00
22	---	160	.00	.00	.00	454	8.9	8.2	.00	---	.00	.00
23	---	313	.00	.00	.00	147	9.0	8.2	.00	---	.00	.00
24	---	266	.00	119	.00	171	9.1	8.3	174	---	.00	.00
25	---	136	141	209	.00	310	9.1	8.3	.00	---	.00	.00
26	---	114	173	108	.00	130	9.3	7.3	.00	---	.00	.00
27	---	108	.00	138	.00	139	9.2	.00	.00	---	.00	.00
28	---	112	.00	.00	102	114	9.0	.00	.00	---	85	.00
29	17	57	79	.00	---	5.7	8.7	.00	.00	---	114	71
30	.00	139	.00	95	---	133	8.6	.00	.00	---	213	49
31	.00	---	96	144	---	91	---	170	---	---	92	---
TOTAL	---	3847.00	1018.90	3736.50	964.00	2881.70	1347.7	499.10	2076.00	---	---	---
MEAN	---	128	32.9	121	34.4	93.0	44.9	16.1	69.2	---	---	---
MAX	---	417	173	435	169	454	280	170	248	---	---	---
MIN	---	.00	.00	.00	.00	.00	5.2	.00	.00	---	---	---
AC-FT	---	7630	2020	7410	1910	5720	2670	990	4120	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1993, BY WATER YEAR (WY)

MEAN	88.4	63.4	31.7	25.2	28.0	29.5	30.0	45.4	103	85.8	92.5	93.8
MAX	277	256	126	123	242	246	220	249	278	226	308	336
(WY)	1984	1983	1979	1979	1983	1983	1979	1979	1983	1980	1982	1983
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1962	1962	1962	1962	1962	1962	1963	1962	1963	1963	1963	1967

SUMMARY STATISTICS	WATER YEARS 1962 - 1993	
ANNUAL MEAN	59.6	
HIGHEST ANNUAL MEAN	197	1983
LOWEST ANNUAL MEAN	1.44	1971
HIGHEST DAILY MEAN	1490	Apr 25 1979
LOWEST DAILY MEAN	-61	Oct 8 1963
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1 1961
ANNUAL RUNOFF (AC-FT)	43180	
10 PERCENT EXCEEDS	207	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL

LOCATION.--Lat 26°08'05", long 80°11'42", in SW1/4 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 1962 to current year.

GAGE.--Water-stage recorders, upstream and downstream 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 discharge. Records fair. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by operation of salinity-control structure 33. Records of gage heights prior to October 1961 are available in files of the Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 26 complete water years of discharge (1963-86,1988-89, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.16 ft Apr. 25, 1979; minimum, -0.82 ft Mar. 4, 1958.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.25 ft Jan. 10; minimum, 1.98 ft Apr. 1.

STATION NUMBER 02283200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	3.65	3.73	3.31	3.78	3.68	3.49	3.66	3.76	3.68	3.66	3.73
2	3.28	3.67	3.70	3.65	3.75	3.69	3.58	3.64	3.68	3.79	3.80	3.65
3	3.69	3.67	3.69	3.70	3.73	3.70	3.59	3.65	3.33	3.80	3.84	3.48
4	3.79	3.73	3.68	3.76	3.74	3.70	3.61	3.65	3.71	3.84	3.82	3.69
5	3.79	3.73	3.67	3.79	3.81	3.68	3.44	3.63	3.65	3.79	3.80	3.41
6	3.75	3.68	3.66	3.78	3.83	3.68	3.61	3.61	3.41	3.71	3.77	3.74
7	3.71	3.69	3.66	3.75	3.85	3.67	3.64	3.59	3.60	3.70	3.74	3.79
8	3.66	3.77	3.66	3.75	3.82	3.68	3.65	3.57	3.67	3.82	3.77	3.69
9	3.68	3.61	3.65	3.66	3.79	3.69	3.66	3.58	---	3.88	3.86	3.38
10	3.77	3.65	3.65	3.46	3.77	3.67	3.64	3.58	---	3.82	3.47	3.71
11	3.78	3.43	---	3.45	3.76	3.64	3.60	3.56	---	3.76	3.67	3.75
12	3.76	3.81	---	3.42	3.77	3.47	3.60	3.54	---	3.70	3.87	3.29
13	3.74	3.74	---	3.60	3.74	3.33	3.59	3.53	---	3.68	3.80	3.63
14	3.76	3.39	---	3.72	3.71	3.20	3.58	3.50	---	3.65	3.55	3.60
15	3.75	3.71	3.58	3.74	3.68	3.16	3.58	3.45	---	3.49	3.74	3.27
16	3.78	3.74	3.58	3.35	3.67	3.09	3.48	3.41	3.67	3.41	3.78	3.75
17	3.77	3.79	3.55	3.80	3.66	2.98	3.45	3.37	3.67	3.80	3.84	3.28
18	3.73	3.64	3.54	3.89	3.65	3.06	3.67	3.32	3.77	3.87	3.86	3.48
19	3.74	3.25	3.54	3.66	3.62	2.90	3.66	3.32	3.67	3.85	3.82	3.76
20	3.70	3.61	3.53	3.47	3.60	2.65	3.64	3.29	3.56	3.81	3.78	3.41
21	3.70	3.78	3.52	3.74	3.58	2.45	3.63	3.27	3.47	3.78	3.80	3.74
22	3.70	3.55	3.50	3.81	3.58	3.11	3.63	3.26	3.48	3.75	3.82	3.77
23	3.68	3.62	3.49	3.81	3.54	2.90	3.61	3.22	3.48	3.24	3.84	3.83
24	3.64	3.67	3.48	3.80	3.48	3.16	3.60	3.20	3.53	3.38	3.83	3.86
25	3.63	3.86	3.43	3.42	3.55	3.12	3.63	3.17	3.68	3.78	3.81	3.85
26	3.61	3.89	3.04	3.39	3.61	3.15	3.65	3.15	3.67	3.85	3.83	3.83
27	3.59	3.89	3.59	3.72	3.61	3.27	3.70	3.13	3.61	3.75	3.79	3.82
28	3.57	3.86	3.71	3.80	3.69	3.47	3.68	3.19	3.56	3.33	3.81	3.80
29	3.56	3.82	3.72	3.82	---	3.59	3.68	3.23	3.57	3.67	3.38	3.77
30	3.59	3.77	3.71	3.81	---	3.57	3.67	3.41	3.58	3.75	3.51	3.25
31	3.63	---	3.64	3.79	---	3.62	---	3.66	---	3.30	3.29	---
MEAN	3.68	3.69	---	3.67	3.69	3.35	3.61	3.43	---	3.69	3.74	3.63
MAX	3.79	3.89	---	3.89	3.85	3.70	3.70	3.66	---	3.88	3.87	3.86
MIN	3.28	3.25	---	3.31	3.48	2.45	3.44	3.13	---	3.24	3.29	3.25

02283200 PLANTATION ROAD CANAL AT S-33, NEAR FORT LAUDERDALE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	23	.00	29	.00	.00	15	.00	.00	.00	.00	.00
2	31	23	.00	.00	.00	.00	.00	.00	33	.00	.00	45
3	.00	23	.00	.00	.00	.00	.00	.00	35	.00	.00	19
4	.00	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	33
5	.00	24	.00	.00	.00	.00	29	.00	44	.00	.00	26
6	.00	24	.00	.00	.00	.00	.00	.00	11	.00	.00	.00
7	.00	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	41
9	.00	54	.00	64	.00	.00	.00	.00	.00	.00	.00	25
10	.00	77	.00	67	.00	.00	.00	.00	.00	.00	49	.00
11	.00	15	.00	64	.00	.00	.00	.00	.00	.00	.00	39
12	.00	.00	.00	35	.00	.00	.00	.00	.00	.00	.00	86
13	10	40	.00	51	.00	45	.00	.00	.00	.00	22	11
14	21	15	.00	.00	.00	.00	.00	.00	.00	58	7.4	61
15	21	.00	.00	32	.00	.00	.00	.00	.00	59	.00	47
16	21	.00	.00	26	.00	.00	47	.00	.00	20	.00	18
17	21	.00	.00	.00	.00	8.2	4.8	.00	.00	.00	.00	59
18	21	44	.00	.00	.00	44	.00	.00	.00	.00	.00	14
19	20	22	.00	40	.00	.00	.00	.00	.00	.00	.00	22
20	19	40	.00	6.6	.00	.00	.00	.00	.00	.00	.00	22
21	19	13	.00	.00	.00	25	.00	.00	.00	.00	.00	.00
22	19	49	.00	.00	.00	58	.00	.00	.00	25	.00	.00
23	19	8.9	.00	.00	.00	46	.00	.00	.00	80	.00	.00
24	18	30	.00	.00	.00	47	.00	.00	.00	22	.00	.00
25	19	.00	46	69	.00	36	.00	.00	.00	.00	.00	.00
26	20	.00	35	8.9	24	13	.00	.00	.00	.00	.00	.00
27	21	.00	.00	.00	.90	38	.00	.00	.00	26	.00	.00
28	21	.00	.00	.00	.00	.00	.00	.00	.00	19	27	.00
29	22	.00	.00	.00	---	.20	.00	.00	.00	23	83	29
30	23	.00	.00	.00	---	.00	.00	.00	.00	37	25	64
31	23	---	32	.00	---	.00	---	.00	---	59	50	---
TOTAL	447.00	557.90	113.00	492.50	24.90	360.40	95.80	0.00	123.00	428.00	263.40	661.00
MEAN	14.4	18.6	3.65	15.9	.89	11.6	3.19	.000	4.10	13.8	8.50	22.0
MAX	38	77	46	69	24	58	47	.00	44	80	83	86
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	887	1110	224	977	49	715	190	.00	244	849	522	1310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1993, BY WATER YEAR (WY)

MEAN	21.8	18.5	11.6	10.9	11.0	9.67	11.3	12.6	28.1	25.8	24.0	27.7
MAX	57.9	59.6	41.9	48.1	43.4	55.5	60.3	70.5	79.6	80.0	75.9	54.3
(WY)	1968	1970	1968	1968	1972	1970	1977	1979	1977	1988	1976	1973
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1971	1963	1963	1963	1971	1963	1963	1962	1971	1971	1987	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1962 - 1993	
ANNUAL TOTAL	3783.10		3566.90			
ANNUAL MEAN	10.3		9.77		19.1	
HIGHEST ANNUAL MEAN					40.1	1969
LOWEST ANNUAL MEAN					.99	1971
HIGHEST DAILY MEAN	135	Jun 23	86	Sep 12	748	Jul 3 1988
LOWEST DAILY MEAN*	.00	Jan 1	.00	Oct 3	.00	Apr 4 1962
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 3	.00	Apr 19 1962
ANNUAL RUNOFF (AC-FT)	7500		7070		13820	
10 PERCENT EXCEEDS	34		38		47	
50 PERCENT EXCEEDS	.00		.00		7.0	
90 PERCENT EXCEEDS	.00		.00		.00	

* No flow some days each year

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°42'00", long 80°42'55", in SW1/4 sec.35, T.43 S., R.36 E., Palm Beach County, Hydrologic Unit 03090202, at pump station 2 and gate structure S-351, 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.

REVISED RECORDS.--WDR FL-77-2A: 1974.

GAGE.--Satellite data collection platform, adjacent to levee wall, west of gates; shaft encoder stage recorders for lake and canal stage, and digital lake stage recorder in pump station 2; potentiometer-gage recorders on hydraulic ram of each gate, 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 velocity meter and digital recorder in lock chamber installed 1981 water year were removed October, 1986. Prior to Sept. 8, 1988, digital lake water-stage recorder in control house of lock. Prior to Feb. 21,1992, digital lake and canal water-stage recorders, and A-35 graphic recorder.

REMARKS.--No estimated stage or discharge. Records fair. Flow regulated by gates and pump station at Lake Okeechobee. Discharge is summation of S-351 flow, S-2 pumpage and syphonage. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, by the operation of pump station No. 2 (negative figures indicate flow reversed) and by gravity flow through gates during periods of negative head. See records for North New River Canal below S-351, near South Bay (station 02283500) for table of daily canal gage height. Discharge computed from relations between discharge, head, gate openings, and pump tachometer and submergence and discharge coefficient. Lake stage published under 02283498. Formerly published as North New River Canal at S-2 and HGS-4, near South Bay. Records of gage heights prior to October 1967 are available in files of the Geological Survey.

COOPERATION.--S-2 pump record and S-351 gate-operation record provided by South Florida Water Management District. Gate operation logs are used as back-up data only.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 26 water years of discharge (1968-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum canal gage height, 14.09 ft Sept. 28, 1962; minimum canal gage height, 6.98 ft, Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum lake gage height, 18.49 ft Jan. 27; maximum canal gage height, 13.11 ft Jan. 9; minimum lake gage height, 13.13 ft Aug. 22; minimum canal gage height, 8.99 ft Mar. 21.

REVISIONS.--Revised discharge for water years 1989, 1992 superseding those published in WDR FL-89-2A and FL-92-2A are published on the following pages.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	1130	582	502	771	435	1850	.00	2540	.00	.00	.00
2	311	1100	712	504	760	.00	1740	.00	2610	.00	.00	.00
3	314	638	832	513	750	.00	2550	1050	2630	.00	.00	.00
4	328	.00	807	535	758	.00	3030	1900	2480	.00	354	.00
5	322	.00	816	655	732	.00	1970	1870	2590	.00	348	.00
6	185	.00	808	748	851	663	600	1610	2410	.00	570	.00
7	211	.00	789	739	949	393	1570	1650	1840	.00	747	.00
8	334	.00	802	725	963	.00	1750	2220	1650	.00	132	.00
9	329	205	810	736	1020	.00	1740	2870	1970	.00	-477	.00
10	533	312	808	732	980	.00	2550	2980	2230	642	-39	.00
11	820	322	770	523	947	.00	2740	3060	2360	831	.00	.00
12	945	322	295	233	936	.00	2660	3150	2370	1190	.00	.00
13	953	322	.00	238	899	1120	2380	2860	2410	1230	.00	.00
14	938	537	175	239	911	1580	1560	2860	2440	1130	.00	.00
15	918	635	280	245	903	1550	.00	2000	2140	1040	.00	-1160
16	895	619	454	256	832	1600	.00	864	2010	942	.00	-1310
17	895	614	576	260	709	1530	.00	2350	2170	684	.00	-1450
18	868	609	582	264	647	1470	.00	2700	2270	618	.00	-1500
19	861	613	566	265	604	1430	405	2350	2110	-329	.00	-2190
20	846	616	552	120	568	1410	882	2450	1860	.00	.00	-1040
21	837	267	537	.00	622	1460	.00	2620	1570	.00	.00	.00
22	839	.00	198	.00	258	1470	.00	2340	1320	.00	.00	.00
23	840	.00	.00	.00	538	1390	.00	2230	1400	.00	.00	-2020
24	834	.00	.00	.00	753	1450	1030	2210	1530	.00	.00	-3280
25	843	.00	.00	.00	667	1490	1570	2320	1530	.00	.00	-3470
26	842	.00	.00	175	586	1480	1670	2340	1540	.00	.00	-2820
27	935	.00	392	368	375	1510	1780	2420	1310	.00	.00	-1190
28	1130	.00	565	522	.00	1670	1810	2360	413	.00	.00	.00
29	1160	325	544	528	---	1750	1640	2350	.00	.00	.00	.00
30	1150	574	531	538	---	1740	486	2320	.00	.00	.00	.00
31	1150	---	514	714	---	1760	---	2390	---	.00	.00	---
TOTAL	22683	9760.00	15297.00	11877.00	20289.00	30351.00	39963.00	66694.00	55703.00	7978.00	1635.00	-21430.00
MEAN	732	325	493	383	725	979	1332	2151	1857	257	52.7	-714
MAX	1160	1130	832	748	1020	1760	3030	3150	2630	1230	747	.00
MIN	185	.00	.00	.00	.00	.00	.00	.00	.00	-329	-477	-3470
AC-FT	44990	19360	30340	23560	40240	60200	79270	132300	110500	15820	3240	-42510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1989, BY WATER YEAR (WY)

MEAN	22.7	165	192	162	235	330	732	387	-87.0	-340	-269	-469
MAX	732	1143	677	810	1211	1810	1332	2151	1857	383	669	278
(WY)	1989	1974	1976	1979	1979	1985	1989	1989	1989	1981	1974	1988
MIN	-1059	-511	-417	-343	-447	-1316	-85.5	-889	-1601	-1203	-1694	-1408
(WY)	1972	1982	1978	1977	1983	1970	1972	1972	1968	1975	1981	1981

SUMMARY STATISTICS	FOR 1988 CALENDAR YEAR		FOR 1989 WATER YEAR		WATER YEARS 1968 - 1989	
ANNUAL TOTAL	155640.00		260800.00			
ANNUAL MEAN	425		715		87.2	
HIGHEST ANNUAL MEAN					715	1989
LOWEST ANNUAL MEAN					-296	1982
HIGHEST DAILY MEAN	1470	May 17	3150	May 12	3440	Mar 15 1985
LOWEST DAILY MEAN	-965	Jul 24	-3470	Sep 25	-3910	Jul 23 1973
ANNUAL SEVEN-DAY MINIMUM	-147	Jul 18	-1830	Sep 21	-3190	Aug 17 1981
ANNUAL RUNOFF (AC-FT)	308700		517300		63200	
10 PERCENT EXCEEDS	1230		2250		1060	
50 PERCENT EXCEEDS	299		568		.00	
90 PERCENT EXCEEDS	.00		.00		-853	

REVISED

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	789	.00	1330	2000	2250	-1380	1290	499
2	.00	.00	.00	.00	792	577	1700	1900	2270	-84	1200	1320
3	.00	.00	.00	.00	1020	805	573	1850	1980	.00	610	1050
4	-71	537	.00	.00	987	862	.00	1880	609	.00	.00	.00
5	.00	.00	.00	.00	267	815	853	2050	.00	.00	.00	261
6	.00	.00	.00	249	.00	1160	1420	2110	.00	.00	.00	1270
7	.00	.00	.00	240	.00	1410	471	2050	.00	1440	.00	1700
8	.00	.00	.00	396	.00	1330	.00	2050	.00	2060	.00	2040
9	.00	.00	252	393	.00	1630	941	1990	.00	1890	.00	1630
10	.00	.00	.00	861	.00	1690	894	1940	.00	1840	.00	1330
11	.00	456	498	1140	.00	1690	.00	1970	.00	1790	.00	1320
12	.00	.00	.00	1100	.00	1620	.00	2150	.00	1770	.00	1670
13	.00	537	259	1170	267	890	.00	2220	636	1730	.00	1770
14	.00	264	.00	978	630	1110	45	2100	.00	1730	.00	1700
15	.00	795	.00	885	756	1070	903	1870	.00	1710	.00	1690
16	.00	420	237	1160	771	1530	1290	1560	.00	1700	.00	1690
17	.00	420	558	1150	777	1710	1180	1510	.00	1710	.00	1610
18	.00	939	528	1130	1010	1630	1490	1940	.00	1670	.00	1440
19	.00	309	324	1110	1100	1550	1040	2090	.00	1610	.00	1460
20	.00	.00	804	867	1100	592	.00	2060	.00	1620	.00	1440
21	.00	.00	786	455	1090	802	.00	2020	.00	1570	.00	1680
22	.00	120	780	738	1050	1360	1080	2150	.00	1590	.00	1690
23	-70	.00	783	516	1040	385	1490	1980	.00	1790	-547	1630
24	.00	.00	774	237	804	463	1530	1930	.00	2000	-382	1090
25	.00	.00	756	396	312	353	1310	1920	.00	2030	.00	1420
26	.00	252	258	396	.00	.00	1270	2230	-1080	2050	.00	1390
27	.00	648	.00	645	.00	469	1680	2280	-1800	2070	.00	1370
28	.00	234	.00	774	.00	661	1820	2290	-1890	1340	1060	758
29	.00	.00	.00	777	.00	600	1780	2300	-2040	962	1440	.00
30	.00	.00	.00	777	---	1110	1910	2240	-2040	1330	.00	.00
31	.00	---	.00	921	---	1200	---	2160	---	1370	.00	---
TOTAL	-141.00	5931.00	7597.00	19461.00	14562.00	31074.00	28000.00	62790	-1105.00	40908.00	4671.00	37918.00
MEAN	-4.55	198	245	628	502	1002	933	2025	-36.8	1320	151	1264
MAX	.00	939	804	1170	1100	1710	1910	2300	2270	2070	1440	2040
MIN	-71	.00	.00	.00	.00	.00	.00	1510	-2040	-1380	-547	.00
AC-FT	-280	11760	15070	38600	28880	61640	55540	124500	-2190	81140	9260	75210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1992, BY WATER YEAR (WY)

MEAN	4.16	164	197	176	264	391	737	450	-80.5	-251	-230	-363
MAX	732	1143	677	810	1211	1810	1332	2151	1857	1320	669	1264
(WY)	1989	1974	1976	1979	1979	1985	1989	1989	1989	1992	1974	1992
MIN	-1059	-511	-417	-343	-447	-1316	-85.5	-889	-1601	-1203	-1694	-1408
(WY)	1972	1982	1978	1977	1983	1970	1972	1972	1968	1975	1981	1981

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1968 - 1992	
ANNUAL TOTAL	31751.00		251666.00			
ANNUAL MEAN	87.0		688		120	
HIGHEST ANNUAL MEAN					715	1989
LOWEST ANNUAL MEAN					-296	1982
HIGHEST DAILY MEAN	1600	May 10	2300	May 29	3440	Mar 15 1985
LOWEST DAILY MEAN	-3420	Jan 17	-2040	Jun 29	-3910	Jul 23 1973
ANNUAL SEVEN-DAY MINIMUM	-1820	Jan 14	-1470	Jun 26	-3190	Aug 17 1981
ANNUAL RUNOFF (AC-FT)	62980		499200		87290	
10 PERCENT EXCEEDS	566		1890		1100	
50 PERCENT EXCEEDS	.00		507		.00	
90 PERCENT EXCEEDS	.00		.00		-745	

REVISED

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.41	16.14	16.16	16.08	16.68	16.04	16.25	15.39	14.89	14.52	14.01	13.72
2	16.31	16.07	16.05	16.07	16.70	15.88	16.37	15.38	14.77	14.48	14.07	13.79
3	16.20	16.07	16.24	16.01	16.57	15.70	16.32	15.34	14.79	14.44	14.00	13.86
4	16.24	15.98	16.08	15.97	16.52	15.94	16.12	15.35	14.79	14.46	14.00	13.82
5	16.53	16.03	16.05	16.02	16.44	15.99	16.16	15.37	14.73	14.46	13.97	13.86
6	16.65	16.15	16.11	16.06	16.41	15.98	16.33	15.37	14.78	14.44	13.92	13.93
7	16.46	16.31	16.01	16.01	16.36	15.96	16.30	15.33	14.76	14.40	13.89	13.95
8	16.42	16.38	16.04	15.89	16.39	15.95	16.12	15.29	14.73	14.40	13.90	13.96
9	16.44	16.22	16.08	16.17	16.42	15.94	15.93	15.24	14.67	14.40	13.90	13.97
10	16.46	16.14	16.00	16.26	16.35	15.84	16.27	15.21	14.63	14.40	13.89	14.03
11	16.46	16.05	16.27	16.24	16.26	15.87	16.21	15.14	14.61	14.37	13.88	14.12
12	16.51	16.00	16.26	16.26	16.38	15.69	16.09	15.11	14.56	14.36	13.85	14.20
13	16.58	16.10	16.05	16.30	16.47	16.01	16.07	15.11	14.55	14.33	13.79	14.19
14	16.46	16.54	16.06	16.35	16.45	16.24	15.93	15.15	14.55	14.28	13.80	14.20
15	16.45	16.51	16.03	16.29	16.25	16.12	15.75	15.13	14.56	14.29	13.81	14.20
16	16.44	16.35	15.97	16.37	16.12	15.79	15.92	15.08	14.50	14.31	13.82	14.19
17	16.44	16.13	15.97	16.45	16.21	15.83	16.23	14.99	14.51	14.26	13.84	14.20
18	16.49	16.13	15.98	16.34	16.38	16.25	16.04	14.91	14.43	14.25	13.77	14.22
19	16.66	16.09	15.98	16.33	16.41	16.31	15.95	14.91	14.39	14.26	13.74	14.21
20	16.37	16.00	15.98	16.27	16.09	16.14	15.89	14.94	14.35	14.22	13.72	14.19
21	16.35	16.01	15.98	16.23	15.99	16.17	15.87	14.97	14.34	14.15	13.73	14.19
22	16.41	16.02	15.97	16.29	15.94	16.16	16.09	15.06	14.30	14.14	13.63	14.19
23	16.37	16.06	15.96	16.31	16.25	16.17	15.91	14.73	14.35	14.11	13.63	14.13
24	16.38	16.04	16.05	16.22	16.30	16.22	15.65	14.65	14.34	14.10	13.63	14.13
25	16.29	16.05	15.96	16.42	15.98	16.23	15.62	14.59	14.35	14.09	13.58	14.08
26	16.24	16.03	15.98	16.69	15.85	16.23	15.65	14.58	14.32	14.06	13.58	14.08
27	16.22	16.17	15.96	17.35	16.16	16.27	15.77	14.57	14.42	14.08	13.59	14.11
28	16.21	16.37	16.11	16.81	16.17	16.38	15.68	14.60	14.44	14.08	13.57	14.17
29	16.20	16.34	16.20	16.63	---	16.32	15.57	14.69	14.50	14.06	13.56	14.39
30	16.16	16.21	16.10	16.65	---	16.29	15.48	14.75	14.56	14.05	13.61	14.39
31	16.17	---	15.98	16.63	---	16.20	---	14.78	---	14.02	13.66	---
TOTAL	507.98	484.69	497.62	505.97	456.50	498.11	479.54	465.71	436.47	442.27	427.34	422.67
MEAN	16.39	16.16	16.05	16.32	16.30	16.07	15.98	15.02	14.55	14.27	13.79	14.09
MAX	16.66	16.54	16.27	17.35	16.70	16.38	16.37	15.39	14.89	14.52	14.07	14.39
MIN	16.16	15.98	15.96	15.89	15.85	15.69	15.48	14.57	14.30	14.02	13.56	13.72

02283498 NORTH NEW RIVER CANAL AT S-2 AND S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	583	.00	.00	1870	1420	1920	687	.00	.00	.00	.00
2	.00	571	.00	.00	1870	1570	2300	664	.00	.00	.00	.00
3	.00	893	.00	.00	1830	1450	2380	1060	.00	.00	.00	.00
4	.00	839	.00	.00	2050	943	2320	1300	.00	.00	346	.00
5	.00	205	.00	.00	1800	.00	1850	1430	.00	.00	492	.00
6	.00	37	.00	.00	1440	.00	2030	1290	.00	205	900	.00
7	.00	13	.00	.00	1430	.00	2250	1230	.00	309	1020	.00
8	.00	.00	.00	.00	1860	537	2180	593	.00	241	973	.00
9	.00	.00	.00	-699	1850	739	2090	.00	.00	116	798	.00
10	.00	.00	.00	-1350	1910	585	2090	393	419	.00	169	.00
11	.00	.00	.00	-957	1930	420	1870	542	980	.00	.00	.00
12	.00	.00	.00	-322	1370	140	1810	519	1040	.00	314	.00
13	.00	.00	.00	907	1500	.00	2090	499	949	.00	399	.00
14	.00	.00	.00	1190	1500	.00	2230	1010	798	.00	349	.00
15	.00	.00	.00	1280	1570	148	2130	1370	339	132	321	.00
16	.00	.00	.00	1140	1780	.00	1740	1300	210	264	435	.00
17	.00	.00	.00	1250	1800	.00	1720	1270	183	195	441	.00
18	.00	.00	.00	1460	1780	.00	2120	1290	981	430	409	.00
19	435	.00	.00	1770	1740	.00	2160	1270	1210	804	395	.00
20	749	.00	.00	1870	1670	.00	2140	1280	1140	1070	882	.00
21	695	.00	.00	1830	1630	.00	2110	1310	770	1170	1070	.00
22	668	.00	217	1800	1810	.00	2130	1300	1090	1110	991	.00
23	615	.00	225	1770	1920	456	2080	1210	993	1310	328	.00
24	568	.00	88	1730	1910	1030	2010	1420	113	1380	.00	.00
25	533	.00	79	544	1900	1480	1980	1780	.00	1320	.00	.00
26	512	.00	72	-2450	1890	1910	2100	1780	.00	936	.00	.00
27	499	.00	27	-3170	602	2110	2130	1730	.00	829	.00	.00
28	480	.00	.00	-895	1150	2120	2080	692	.00	278	.00	.00
29	594	.00	.00	498	---	2240	2040	.00	.00	.00	.00	.00
30	644	.00	.00	862	---	2260	1600	.00	.00	.00	.00	.00
31	609	---	.00	1080	---	2210	---	.00	---	.00	.00	---
TOTAL	7601.00	3141.00	708.00	11138.00	47362	23768.00	61680	30219.00	11215.00	12099.00	11032.00	0.00
MEAN	245	105	22.8	359	1691	767	2056	975	374	390	356	.000
MAX	749	893	225	1870	2050	2260	2380	1780	1210	1380	1070	.00
MIN	.00	.00	.00	-3170	602	.00	1600	.00	.00	.00	.00	.00
AC-FT	15080	6230	1400	22090	93940	47140	122300	59940	22240	24000	21880	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1993, BY WATER YEAR (WY)

MEAN	13.4	162	190	183	318	405	788	470	-63.0	-226	-208	-349
MAX	732	1143	677	810	1691	1810	2056	2151	1857	1320	669	1264
(WY)	1989	1974	1976	1979	1993	1985	1993	1989	1989	1992	1974	1992
MIN	-1059	-511	-417	-343	-447	-1316	-85.5	-889	-1601	-1203	-1694	-1408
(WY)	1972	1982	1978	1977	1983	1970	1972	1972	1968	1975	1981	1981

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1968 - 1993	
ANNUAL TOTAL	249729.00		219963.00			
ANNUAL MEAN	682		603		139	
HIGHEST ANNUAL MEAN					715	1989
LOWEST ANNUAL MEAN					-296	1982
HIGHEST DAILY MEAN	2300	May 29	2380	Apr 3	3440	Mar 15 1985
LOWEST DAILY MEAN	-2040	Jun 29	-3170	Jan 27	-3910	Jul 23 1973
ANNUAL SEVEN-DAY MINIMUM	-1470	Jun 26	-504	Jan 25	-3190	Aug 17 1981
ANNUAL RUNOFF (AC-FT)	495300		436300		100700	
10 PERCENT EXCEEDS	1890		1890		1140	
50 PERCENT EXCEEDS	514		205		.00	
90 PERCENT EXCEEDS	.00		.00		-710	

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

LOCATION.--Lat 26°41'50", long 80°42'50", in SW1/4 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 gate structure S-351 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; WDR FL-92-2A: 1991.

GAGE.--Satellite data collection platform with water-stage shaft encoder, electromagnetic velocity meter, acoustic velocity meter. Prior to October 1, 1986, 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). Prior to Jan. 18, 1954, water-stage and deflection-meter recorder at site 1,600 ft downstream at same datum. Jan. 19, 1965 to Sept. 30, 1967 deflection-meter recorder at site 1,600 ft downstream. Satellite data collection platform installed November 29, 1990 that collects stage and acoustic velocity meter velocity.

REMARKS.--Records good, except for those estimated discharges which are poor. Flow regulated by S-351 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 by pumping at structure 2 or by gravity flow through gates during periods of negative heads (negative figures indicate flow reversed). Discharge was the difference in flow between North New River Canal at S-2 and S-351 and Hillsboro Canal below S-351 October 1967 to June 9, 1987.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 36 complete water years of discharge (1958-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Sept. 28, 1962; minimum, 6.98 ft observed Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.11 ft Jan. 9; minimum, 8.99 ft Mar. 21.

REVISIONS.--Revised figures of discharge for the water years 1977, 1985 superseding those published in WDR FL-77-2A and WDR FL-85-2A.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	738	120	182	143	41	744	917	64	579	-7.0	-711
2	105	662	-96	118	117	150	754	911	-710	182	72	-1160
3	119	-169	213	-48	88	273	749	1080	-202	163	-16	-2390
4	47	-409	252	-425	48	277	811	602	-240	165	206	-2310
5	338	64	242	224	-65	246	967	117	142	748	380	-2420
6	631	53	-194	170	5.2	277	1080	-103	-178	116	392	-2490
7	686	46	-283	-55	5.1	440	1050	-295	160	21	334	-2220
8	327	285	205	103	149	558	946	-280	151	23	186	-1310
9	201	428	427	157	41	514	941	-1030	105	19	-574	-503
10	202	507	437	137	36	449	1000	-2340	-194	31	-117	313
11	163	488	316	111	48	234	744	-2560	-94	156	-105	-401
12	20	209	344	361	74	218	565	-1940	-31	242	-724	-396
13	431	87	255	393	77	262	588	-1080	7.9	235	-390	-311
14	430	82	96	240	62	367	465	-856	120	245	-805	-497
15	352	410	-227	-1380	104	696	350	-399	186	235	-307	-418
16	395	593	-62	-2240	43	789	469	-278	261	139	191	-222
17	415	646	-90	-1700	63	639	473	22	309	872	-202	-23
18	360	620	138	-217	238	571	611	31	373	39	152	-439
19	578	487	129	-11	214	639	675	166	252	764	111	-325
20	574	457	276	99	188	642	688	452	-369	710	162	-523
21	613	286	516	6.2	180	622	682	504	-186	16	190	-540
22	706	-13	765	-422	351	588	660	542	-119	-11	-233	-606
23	699	193	582	-282	375	623	673	492	21	6.2	-10	-33
24	693	368	-386	-117	269	724	609	545	41	23	-300	-384
25	736	292	130	-349	200	762	608	778	5.5	128	-49	-253
26	679	334	138	-203	279	500	556	295	34	33	-3.4	-690
27	689	329	-556	140	277	363	689	67	410	123	-75	-1160
28	547	313	-163	186	-191	334	661	-290	526	269	-987	-229
29	442	389	158	98	---	405	771	-273	573	190	-528	-651
30	471	413	149	96	---	524	934	-373	511	194	-1150	-334
31	478	---	198	177	---	759	---	-420	---	144	-885	---
TOTAL	13185	9188	4029	-4450.8	3418.3	14486	21513	-4996	1929.4	6799.2	-5091.4	-23636
MEAN	425	306	130	-144	122	467	717	-161	64.3	219	-164	-788
MAX	736	738	765	393	375	789	1080	1080	573	872	392	313
MIN	20	-409	-556	-2240	-191	41	350	-2560	-710	-11	-1150	-2490
AC-FT	26150	18220	7990	-8830	6780	28730	42670	-9910	3830	13490	-10100	-46880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1977, BY WATER YEAR (WY)

MEAN	-82.3	233	261	176	155	306	574	260	-246	-243	-108	-271
MAX	431	776	605	544	432	1006	1140	1170	326	463	401	281
(WY)	1973	1974	1967	1967	1961	1966	1966	1966	1961	1963	1974	1961
MIN	-779	-105	-15.5	-144	-24.8	-782	-22.9	-668	-968	-738	-715	-788
(WY)	1961	1972	1965	1977	1976	1970	1972	1972	1968	1974	1966	1977

SUMMARY STATISTICS	FOR 1976 CALENDAR YEAR		FOR 1977 WATER YEAR		WATER YEARS 1961 - 1977	
ANNUAL TOTAL	-973.2		36373.7			
ANNUAL MEAN	-2.66		99.7		84.2	
HIGHEST ANNUAL MEAN					270	1967
LOWEST ANNUAL MEAN					-112	1970
HIGHEST DAILY MEAN	765	Dec 22	1080	Apr 6	1860	Apr 8 1969
LOWEST DAILY MEAN	-2190	May 24	-2560	May 11	-2930	Jul 23 1973
ANNUAL SEVEN-DAY MINIMUM	-1550	Feb 26	-2040	Sep 2	-2040	Sep 2 1977
ANNUAL RUNOFF (AC-FT)	-1930		72150		60980	
10 PERCENT EXCEEDS	502		684		667	
50 PERCENT EXCEEDS	164		163		164	
90 PERCENT EXCEEDS	-810		-423		-616	

REVISED

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1290	671	-22	507	888	1760	1230	221	1390	15	-736	-490
2	-277	507	1.7	519	870	1960	384	506	1510	-288	-403	97
3	-170	398	-33	489	942	2020	98	451	1290	-106	-160	-872
4	-125	159	-75	158	918	1930	659	166	1390	-5.7	-163	-547
5	-87	649	-44	-21	871	1690	1140	733	1500	192	-125	-914
6	-78	898	117	62	996	1760	1220	1220	1580	85	-50	-2610
7	-72	741	49	611	867	2280	1300	1670	1840	62	13	-855
8	-49	611	131	916	984	2080	787	1800	1760	75	-545	81
9	-16	605	95	716	942	2040	-17	2090	1780	129	-859	76
10	56	589	187	525	966	2130	555	1370	1580	86	-462	30
11	394	598	398	455	643	1970	658	718	1480	56	-463	-16
12	481	635	477	508	718	2360	48	982	1450	81	-234	42
13	377	641	286	603	1050	2920	208	1130	500	-32	-330	-485
14	380	595	182	625	1160	2690	230	1560	40	-528	-12	-587
15	370	642	204	584	1070	2900	-282	1810	-34	-1110	-33	-768
16	339	632	241	533	1100	2540	-1800	1720	-69	-1490	-77	-1330
17	324	633	493	538	1110	1400	-238	2290	-9.9	-1600	80	-715
18	363	627	586	597	997	705	63	2480	512	-905	21	-1140
19	413	603	568	482	833	922	14	2340	451	-756	-94	-1970
20	528	640	548	560	828	2020	21	1410	69	-1840	-104	-3010
21	579	290	549	903	854	1440	20	199	-153	-2060	-403	-2120
22	587	268	540	1280	879	-569	19	806	-112	-1530	-817	-1500
23	639	-188	563	514	816	35	506	1090	-46	-1510	-1010	-454
24	657	-166	548	121	825	40	861	693	-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	1240	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	---	1170	1660	976	94	-1040	-1460	7.1
30	908	5.5	523	952	---	1440	678	1190	100	-1130	-1380	-5.6
31	817	---	506	924	---	1430	---	1370	---	-30	-578	---
TOTAL	7886	12531.5	10025.7	16505	25627	47279	14474	34861	19648.4	-24569.7	-11446.6	-20016.1
MEAN	254	418	323	532	915	1525	482	1125	655	-793	-369	-667
MAX	908	898	586	1280	1160	2920	1660	2480	1840	192	80	97
MIN	-1290	-188	-75	-21	643	-569	-1800	166	-153	-2350	-1460	-3010
AC-FT	15640	24860	19890	32740	50830	93780	28710	69150	38970	-48730	-22700	-39700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1985, BY WATER YEAR (WY)

MEAN	-28.3	158	195	182	179	302	513	290	-123	-216	-164	-279
MAX	431	776	605	672	915	1525	1140	1170	1073	463	401	281
(WY)	1973	1974	1967	1979	1985	1985	1966	1966	1979	1963	1974	1961
MIN	-779	-318	-164	-144	-283	-782	-22.9	-668	-987	-793	-1086	-916
(WY)	1961	1982	1978	1977	1983	1970	1972	1972	1982	1985	1981	1981

SUMMARY STATISTICS	FOR 1984 CALENDAR YEAR		FOR 1985 WATER YEAR		WATER YEARS 1961 - 1985	
ANNUAL TOTAL	109739.8		132805.2			
ANNUAL MEAN	300		364		83.6	
HIGHEST ANNUAL MEAN					364	1985
LOWEST ANNUAL MEAN					-232	1982
HIGHEST DAILY MEAN	1130	Mar 31	2920	Mar 13	2920	Mar 13 1985
LOWEST DAILY MEAN	-2520	Mar 24	-3010	Sep 20	-3460	Jun 25 1982
ANNUAL SEVEN-DAY MINIMUM	-1000	Sep 28	-1890	Jul 20	-2440	Jun 19 1982
ANNUAL RUNOFF (AC-FT)	217700		263400		60550	
10 PERCENT EXCEEDS	936		1440		679	
50 PERCENT EXCEEDS	226		398		117	
90 PERCENT EXCEEDS	-81		-722		-583	

REVISED

02283500 NORTH NEW RIVER CANAL BELOW S-351, NEAR SOUTH BAY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355	364	-24	45	e1190	1040	1280	482	227	78	-114	215
2	218	371	42	285	e1160	1150	1590	446	-1.7	75	-7.2	-7.4
3	185	576	34	264	e1150	1060	1590	691	-147	-24	24	-96
4	20	506	1.2	33	1390	685	1540	825	-20	-76	199	-261
5	53	165	-29	-229	1240	7.1	1200	901	-294	-97	321	-110
6	133	6.5	3.6	-260	921	-29	1360	805	-378	124	576	-79
7	-36	-28	-29	-65	917	e53	1520	772	-126	228	597	-323
8	97	-354	-55	59	1280	373	1500	294	-249	230	550	-258
9	165	-167	-41	-387	1240	484	1400	-65	-160	142	353	-192
10	-50	122	-66	-703	1290	401	1460	219	193	71	-165	-165
11	-45	28	1.2	-485	1330	318	1280	299	547	-25	-262	-319
12	-91	85	21	-197	939	156	1290	363	569	-73	121	157
13	-19	317	40	618	966	-47	1480	404	502	107	262	162
14	-14	213	10	716	951	-50	1530	706	413	107	282	57
15	54	196	20	842	1030	36	1010	891	139	160	236	-38
16	93	39	17	708	1220	62	924	865	-6.9	216	293	26
17	24	167	60	798	1210	5.8	1090	847	52	194	345	22
18	-37	118	-12	962	1210	108	1430	851	541	315	338	-90
19	325	-63	100	1210	1150	106	1430	816	673	540	344	-127
20	458	20	170	1260	1140	84	1520	859	668	681	602	-28
21	411	64	89	1280	1110	156	1560	876	409	724	713	-61
22	429	181	249	1260	1250	153	1590	823	685	669	667	-115
23	362	-94	287	1200	1300	371	1520	772	546	794	333	-60
24	332	-71	140	1140	1320	822	1480	909	-11	849	174	-89
25	344	-74	117	390	1220	988	1460	1180	7.5	803	30	-79
26	337	-102	50	-1730	1310	1290	1520	1190	65	631	-223	-118
27	350	-2.6	79	-2010	604	1460	1540	1110	-5.9	507	180	-113
28	325	8.4	-183	-383	915	1460	1500	426	44	22	107	-161
29	355	-21	-82	322	---	1540	1420	165	140	-201	54	-84
30	398	-43	-28	473	---	1600	1140	380	145	-319	366	-95
31	382	---	18	640	---	1510	---	373	---	-205	297	---
TOTAL	5913	2527.3	1000.0	8056	31953	17352.9	42154	20475	5166.0	7247	7592.8	-2429.4
MEAN	191	84.2	32.3	260	1141	560	1405	660	172	234	245	-81.0
MAX	458	576	287	1280	1390	1600	1590	1190	685	849	713	215
MIN	-91	-354	-183	-2010	604	-50	924	-65	-378	-319	-262	-323
AC-FT	11730	5010	1980	15980	63380	34420	83610	40610	10250	14370	15060	-4820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1993, BY WATER YEAR (WY)

MEAN	-32.0	137	178	137	232	305	518	354	-26.7	-113	-90.5	-258
MAX	496	776	605	672	1141	1525	1405	1393	1073	819	401	900
(WY)	1989	1974	1967	1979	1993	1985	1993	1992	1979	1992	1974	1992
MIN	-779	-422	-250	-1487	-283	-782	-265	-668	-987	-939	-1086	-1902
(WY)	1961	1960	1958	1958	1958	1970	1958	1972	1982	1959	1981	1960

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1957 - 1993	
ANNUAL TOTAL	178891.6		147007.6			
ANNUAL MEAN	489		403		111	
HIGHEST ANNUAL MEAN					501	1992
LOWEST ANNUAL MEAN					-232	1982
HIGHEST DAILY MEAN	1690	May 28	1600	Mar 30	2920	Mar 13 1985
LOWEST DAILY MEAN	-1370	Jun 30	-2010	Jan 27	-3460	Jun 25 1982
ANNUAL SEVEN-DAY MINIMUM	-991	Jun 25	-328	Jan 25	-2720	Jun 18 1959
ANNUAL RUNOFF (AC-FT)	354800		291600		80610	
10 PERCENT EXCEEDS	1280		1280		710	
50 PERCENT EXCEEDS	388		227		135	
90 PERCENT EXCEEDS	-31		-111		-508	

e Estimated

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

LOCATION.--Lat 26°31'10", long 80°20'50", in T.45 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of four located in Conservation Area No 1.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.33 ft Jan. 15, 1993; minimum, 15.27 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.33 ft Jan. 15; minimum, 15.84 ft June 23.

STATION NUMBER 263180080205001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	16.42	16.42	16.25
2	---	---	---	---	---	---	---	---	---	16.42	16.40	16.24
3	---	---	---	---	---	---	---	---	---	16.42	16.38	16.23
4	---	---	---	---	---	---	---	---	---	16.39	16.38	16.23
5	---	---	---	---	---	---	---	---	---	16.38	16.38	16.25
6	---	---	---	---	---	---	---	---	---	16.40	16.37	16.25
7	---	---	---	---	---	---	---	---	---	16.39	16.36	16.24
8	---	---	---	---	---	---	---	---	---	16.39	16.35	16.24
9	---	---	---	---	---	---	---	---	---	16.37	16.33	16.25
10	---	---	---	---	---	---	---	---	---	16.35	16.34	16.24
11	---	---	---	---	---	---	---	---	---	16.33	16.32	16.23
12	---	---	---	---	---	---	---	---	---	16.33	16.32	16.24
13	---	---	---	---	---	---	---	---	---	16.34	16.31	16.25
14	---	---	---	---	---	---	---	---	---	16.33	16.29	16.24
15	---	---	---	---	---	---	---	---	---	16.33	16.28	16.23
16	---	---	---	---	---	---	---	---	---	16.33	16.27	16.21
17	---	---	---	---	---	---	---	---	---	16.32	16.25	16.21
18	---	---	---	---	---	---	---	---	---	16.36	16.24	16.25
19	---	---	---	---	---	---	---	---	---	16.40	16.23	---
20	---	---	---	---	---	---	---	---	---	16.38	16.24	---
21	---	---	---	---	---	---	---	---	---	16.35	16.24	---
22	---	---	---	---	---	---	---	---	---	16.37	16.25	---
23	---	---	---	---	---	---	---	---	---	16.41	16.28	16.23
24	---	---	---	---	---	---	---	---	---	16.39	16.28	16.22
25	---	---	---	---	---	---	---	---	---	16.37	16.28	16.23
26	---	---	---	---	---	---	---	---	---	16.37	16.28	16.28
27	---	---	---	---	---	---	---	---	---	16.45	16.27	16.34
28	---	---	---	---	---	---	---	---	---	16.47	16.26	16.35
29	---	---	---	---	---	---	---	---	---	16.44	16.26	16.36
30	---	---	---	---	---	---	---	---	---	16.44	16.25	16.37
31	---	---	---	---	---	---	---	---	---	16.43	16.24	---
TOTAL	---	---	---	---	---	---	---	---	---	507.87	505.35	---
MEAN	---	---	---	---	---	---	---	---	---	16.38	16.30	---
MAX	---	---	---	---	---	---	---	---	---	16.47	16.42	---
MIN	---	---	---	---	---	---	---	---	---	16.32	16.23	---

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.43	16.67	16.58	16.39	16.22	16.17	15.94	15.74	15.29	16.43	16.02	16.43
2	16.47	16.66	16.57	16.39	16.20	16.16	15.92	15.72	15.29	16.45	16.00	16.42
3	16.52	16.65	16.57	16.39	16.20	16.15	15.97	15.70	15.29	16.47	15.99	16.45
4	16.60	16.64	16.56	16.37	16.19	16.12	16.00	15.69	15.35	16.48	15.99	16.49
5	16.66	16.63	16.55	16.36	16.26	16.11	15.98	15.67	15.36	16.48	15.98	16.48
6	16.68	16.62	16.54	16.36	16.31	16.11	15.97	15.65	15.37	16.47	15.98	16.47
7	16.69	16.61	16.54	16.35	16.30	16.10	15.97	15.65	15.36	16.48	16.01	16.46
8	16.71	16.60	16.53	16.34	16.29	16.09	16.00	15.63	15.35	16.44	16.03	16.45
9	16.74	16.58	16.53	16.33	16.29	16.07	15.98	15.61	15.33	16.41	16.04	16.45
10	16.78	16.57	16.52	16.33	16.29	16.06	15.97	15.59	15.33	16.37	16.07	16.44
11	16.81	16.56	16.52	16.32	16.29	16.05	15.96	15.57	15.45	16.34	16.08	16.42
12	16.83	16.55	16.51	16.31	16.27	16.03	15.97	15.55	15.67	16.31	16.13	16.41
13	16.84	16.53	16.50	16.30	16.26	16.03	15.96	15.54	15.70	16.30	16.14	16.41
14	16.84	16.52	16.49	16.31	16.25	16.03	15.95	15.54	15.73	16.28	16.17	16.46
15	16.84	16.52	16.49	16.30	16.25	16.02	15.93	15.61	15.57	16.25	16.23	16.49
16	16.83	16.51	16.47	16.29	16.24	16.00	15.91	15.60	15.77	16.23	16.23	16.48
17	16.84	16.50	16.46	16.28	16.23	15.99	15.90	15.58	15.78	16.20	16.24	16.51
18	---	16.49	16.45	16.27	16.21	15.98	15.89	15.58	15.76	16.18	16.24	16.58
19	---	16.50	16.44	16.27	16.21	15.98	15.89	15.56	15.74	16.16	16.23	16.57
20	---	16.50	16.43	16.28	16.20	16.01	15.93	15.54	15.72	16.16	16.21	16.56
21	---	16.49	16.41	16.27	16.19	15.99	15.92	15.52	15.70	16.16	16.26	16.57
22	---	16.48	16.41	16.26	16.19	15.99	15.91	15.50	15.68	16.17	16.36	16.56
23	---	16.48	16.40	16.27	16.17	16.01	15.89	15.48	15.71	16.16	16.36	16.54
24	---	16.47	16.40	16.28	16.17	16.00	15.88	15.46	15.76	16.14	16.48	16.54
25	---	16.45	16.39	16.27	16.17	16.01	15.86	15.44	15.84	16.13	16.51	16.53
26	---	16.44	16.39	16.26	16.20	16.02	15.84	15.41	16.01	16.11	16.48	16.53
27	---	16.43	16.38	16.25	16.19	16.00	15.82	15.39	16.08	16.09	16.45	16.54
28	---	16.43	16.38	16.25	16.18	15.99	15.80	15.37	16.16	16.07	16.43	16.59
29	---	16.44	16.41	16.25	16.17	15.97	15.77	15.34	16.24	16.05	16.42	16.64
30	---	16.58	16.41	16.24	---	15.96	15.76	15.32	16.40	16.04	16.45	16.68
31	---	---	16.40	16.23	---	15.96	---	15.29	---	16.05	16.44	---
TOTAL	---	496.10	510.63	505.37	470.59	497.16	477.44	481.84	469.79	504.06	502.65	495.15
MEAN	---	16.54	16.47	16.30	16.23	16.04	15.91	15.54	15.66	16.26	16.21	16.50
MAX	---	16.67	16.58	16.39	16.31	16.17	16.00	15.74	16.40	16.48	16.51	16.68
MIN	---	16.43	16.38	16.23	16.17	15.96	15.76	15.29	15.29	16.04	15.98	16.41

263180080205001 SITE 7 IN CONSERVATION AREA NO. 1 NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.95	16.54	17.07	16.88	17.07	16.56	16.39	16.18	16.00	16.09	16.20	16.09
2	17.09	16.53	17.04	16.98	17.05	16.54	16.37	16.17	15.98	16.10	16.25	16.09
3	17.15	16.52	17.01	17.00	17.02	16.52	16.35	16.15	15.99	16.12	16.22	16.10
4	17.19	---	16.99	17.05	17.00	16.51	16.33	16.14	16.02	16.10	16.19	16.08
5	17.19	---	16.97	17.10	16.99	16.49	16.37	16.13	16.02	16.09	16.16	16.07
6	17.17	---	16.96	17.13	16.98	16.47	16.36	16.11	16.04	16.09	16.14	16.08
7	17.13	16.57	16.95	17.16	16.95	16.45	16.34	16.09	16.02	16.11	16.11	16.06
8	17.09	16.57	16.94	17.17	16.92	16.44	16.33	16.08	16.00	16.13	16.09	16.05
9	17.04	16.74	16.92	17.24	16.90	16.43	16.32	16.06	15.98	16.12	16.09	16.04
10	17.00	16.89	16.92	17.27	16.87	16.42	16.32	16.05	15.95	16.10	16.08	16.04
11	16.96	16.92	16.92	17.28	16.85	16.40	16.30	16.03	15.93	16.09	16.06	16.03
12	16.92	16.99	16.90	17.29	16.87	16.39	16.29	16.02	15.92	16.09	16.06	16.06
13	16.88	17.05	16.89	17.29	16.84	16.42	16.27	16.01	15.90	16.08	16.05	16.06
14	16.85	17.08	16.88	17.28	16.81	16.41	16.25	16.00	15.92	16.07	16.09	16.10
15	16.82	17.06	16.87	17.28	16.79	16.39	16.24	15.98	15.98	16.10	16.09	16.20
16	16.79	17.04	16.87	17.29	16.76	16.37	16.33	15.96	15.97	16.14	16.08	16.27
17	16.77	17.02	16.86	17.25	16.74	16.38	16.34	15.94	15.96	16.12	16.08	16.34
18	16.75	17.00	16.85	17.21	16.72	16.42	16.33	15.92	15.94	16.10	16.06	16.41
19	16.72	16.98	16.84	17.18	16.68	16.42	16.31	15.91	15.92	16.07	16.04	16.47
20	16.70	17.01	16.84	17.14	16.66	16.42	16.29	15.89	15.90	16.05	16.03	16.50
21	16.68	17.08	16.83	17.10	16.64	16.45	16.28	15.87	15.88	16.04	16.01	16.53
22	16.66	17.12	16.82	17.07	16.63	16.49	16.26	15.85	15.86	16.03	15.99	16.53
23	16.66	17.15	16.80	17.03	16.63	16.49	16.24	15.83	15.91	16.09	15.97	16.52
24	16.66	17.18	16.80	17.00	16.61	16.49	16.23	15.81	16.04	16.17	15.96	16.50
25	16.64	17.21	16.80	17.03	16.59	16.49	16.21	15.80	16.04	16.15	15.95	16.51
26	16.63	17.21	16.81	17.11	16.58	16.49	16.22	15.78	16.05	16.13	15.95	16.53
27	16.61	17.19	16.81	17.09	16.59	16.47	16.25	15.77	16.07	16.12	15.94	16.50
28	16.60	17.17	16.80	17.07	16.57	16.45	16.23	15.78	16.10	16.13	15.96	16.48
29	16.59	17.13	16.79	17.07	---	16.44	16.22	15.82	16.09	16.12	16.04	16.61
30	16.57	17.10	16.78	17.08	---	16.42	16.20	15.87	16.11	16.12	16.07	16.62
31	16.56	---	16.79	17.08	---	16.40	---	15.94	---	16.16	16.09	---
TOTAL	522.02	---	523.32	531.20	470.31	509.93	488.77	494.94	479.49	499.22	498.10	488.47
MEAN	16.84	---	16.88	17.14	16.80	16.45	16.29	15.97	15.98	16.10	16.07	16.28
MAX	17.19	---	17.07	17.29	17.07	16.56	16.39	16.18	16.11	16.17	16.25	16.62
MIN	16.56	---	16.78	16.88	16.57	16.37	16.20	15.77	15.86	16.03	15.94	16.03

263050080145001 SITE 8T IN CONSERVATION AREA NO. 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°30'50", long 80°14'50", in T.41 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of four located in Conservation Area No 1.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.18 ft Jan. 9 and 10, 1993; minimum, 14.17 ft June 2 and 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.18 ft Jan. 9 and 10; minimum, 14.86 ft May 27.

STATION NUMBER 263050080145001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	15.84	15.81	15.87
2	---	---	---	---	---	---	---	---	---	15.82	15.77	15.88
3	---	---	---	---	---	---	---	---	---	15.81	15.73	15.87
4	---	---	---	---	---	---	---	---	---	15.81	15.71	15.91
5	---	---	---	---	---	---	---	---	---	15.78	15.70	15.93
6	---	---	---	---	---	---	---	---	---	15.75	15.68	15.94
7	---	---	---	---	---	---	---	---	---	15.72	15.68	15.94
8	---	---	---	---	---	---	---	---	---	15.70	15.68	15.97
9	---	---	---	---	---	---	---	---	---	15.68	15.67	15.97
10	---	---	---	---	---	---	---	---	---	15.68	15.67	15.97
11	---	---	---	---	---	---	---	---	---	15.68	15.67	15.98
12	---	---	---	---	---	---	---	---	---	15.69	15.67	16.00
13	---	---	---	---	---	---	---	---	---	15.73	15.67	16.00
14	---	---	---	---	---	---	---	---	---	15.75	15.67	15.99
15	---	---	---	---	---	---	---	---	---	15.72	15.67	15.98
16	---	---	---	---	---	---	---	---	---	15.70	15.67	15.98
17	---	---	---	---	---	---	---	---	---	15.69	15.67	15.98
18	---	---	---	---	---	---	---	---	---	15.68	15.67	16.00
19	---	---	---	---	---	---	---	---	---	15.68	15.67	16.04
20	---	---	---	---	---	---	---	---	---	15.68	15.58	16.08
21	---	---	---	---	---	---	---	---	---	15.68	15.49	16.12
22	---	---	---	---	---	---	---	---	---	15.67	15.54	16.16
23	---	---	---	---	---	---	---	---	---	15.67	15.56	16.20
24	---	---	---	---	---	---	---	---	---	15.67	15.62	16.24
25	---	---	---	---	---	---	---	---	---	15.67	15.72	16.29
26	---	---	---	---	---	---	---	---	---	15.71	15.75	16.38
27	---	---	---	---	---	---	---	---	---	15.82	15.78	16.45
28	---	---	---	---	---	---	---	---	---	15.83	15.84	16.47
29	---	---	---	---	---	---	---	---	---	15.86	15.86	16.47
30	---	---	---	---	---	---	---	---	---	15.84	15.85	16.47
31	---	---	---	---	---	---	---	---	---	15.82	15.85	---
TOTAL	---	---	---	---	---	---	---	---	---	487.83	486.57	482.53
MEAN	---	---	---	---	---	---	---	---	---	15.74	15.70	16.08
MAX	---	---	---	---	---	---	---	---	---	15.86	15.86	16.47
MIN	---	---	---	---	---	---	---	---	---	15.67	15.49	15.87

263050080145001 SITE 8T IN CONSERVATION AREA NO. 1 NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.57	16.60	16.53	16.22	15.89	15.85	15.51	15.26	14.21	16.09	15.48	16.05
2	16.60	16.59	16.53	16.24	15.87	15.81	15.49	15.23	14.19	16.09	15.46	16.05
3	16.62	16.57	16.52	16.24	15.84	15.77	15.54	15.20	14.23	16.09	15.46	16.05
4	16.65	16.55	16.52	16.22	15.83	15.74	15.57	15.17	14.50	16.09	15.51	16.06
5	16.68	16.55	16.52	16.19	15.86	15.72	15.56	15.14	14.52	16.09	15.63	16.06
6	16.69	16.54	16.52	16.18	15.93	15.72	15.54	15.11	14.48	16.09	15.62	16.06
7	16.70	16.53	16.50	16.17	16.01	15.71	15.53	15.09	14.46	16.08	15.63	16.06
8	16.75	16.52	16.49	16.17	16.04	15.71	15.56	15.05	14.42	16.04	15.66	16.06
9	16.78	16.50	16.48	16.16	16.05	15.70	15.54	15.01	14.35	15.98	15.69	16.05
10	16.83	16.49	16.47	---	16.05	15.68	15.53	14.97	14.32	15.92	15.73	16.06
11	16.84	16.46	16.45	---	16.05	15.67	15.53	14.92	14.37	15.89	15.77	16.06
12	16.84	16.44	16.43	---	16.03	15.65	15.60	14.88	14.46	15.83	15.84	16.06
13	16.82	16.42	16.41	---	16.01	15.65	15.64	14.86	14.59	15.79	15.85	16.06
14	16.79	16.40	16.40	16.09	15.99	15.65	15.65	14.88	14.90	15.76	15.84	16.05
15	16.79	16.38	16.39	16.06	15.96	15.64	15.64	14.93	15.04	15.72	15.83	16.05
16	16.80	16.38	16.37	16.04	15.94	15.62	15.62	14.88	15.11	15.67	15.81	16.05
17	16.78	16.37	16.35	16.01	15.95	15.60	15.59	14.83	15.13	15.63	15.79	16.05
18	16.74	16.35	16.33	16.00	15.93	15.58	15.57	14.80	15.13	15.59	15.81	16.05
19	16.77	16.35	16.31	15.99	15.90	15.58	15.55	14.76	15.13	15.57	15.81	16.05
20	16.76	16.38	16.26	16.00	15.88	15.61	15.57	14.71	15.12	15.57	15.78	16.05
21	16.74	16.37	16.24	15.99	15.86	15.60	15.55	14.68	15.11	15.61	15.77	16.05
22	16.73	16.36	16.25	15.97	15.86	15.59	15.52	14.64	15.11	15.67	15.78	16.05
23	16.71	16.35	16.24	15.97	15.84	15.60	15.50	14.60	15.20	15.65	15.81	16.32
24	16.69	16.34	16.23	16.00	15.82	15.60	15.47	14.56	15.28	15.63	15.95	16.54
25	16.68	16.32	16.22	15.99	15.82	15.60	15.45	14.51	15.40	15.61	15.99	16.57
26	16.67	16.29	16.21	15.97	15.87	15.59	15.42	14.46	15.66	15.59	15.97	16.59
27	16.65	16.28	16.20	15.95	15.89	15.58	15.40	14.42	15.82	15.56	15.96	16.61
28	16.64	16.26	16.20	15.93	15.89	15.57	15.36	14.37	15.96	15.54	15.96	16.67
29	16.64	16.25	16.25	15.92	15.88	15.55	15.32	14.31	16.07	15.52	15.97	16.73
30	16.63	16.53	16.24	15.92	---	15.54	15.29	14.27	16.09	15.50	16.00	16.76
31	16.61	---	16.22	15.91	---	15.53	---	14.24	---	15.49	16.03	---
TOTAL	518.19	492.72	507.28	---	461.74	485.01	465.61	458.74	448.36	488.95	489.19	485.98
MEAN	16.72	16.42	16.36	---	15.92	15.65	15.52	14.80	14.95	15.77	15.78	16.20
MAX	16.84	16.60	16.53	---	16.05	15.85	15.65	15.26	16.09	16.09	16.03	16.76
MIN	16.57	16.25	16.20	---	15.82	15.53	15.29	14.24	14.19	15.49	15.46	16.05

263050080145001 SITE 8T IN CONSERVATION AREA NO. 1 NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.87	16.40	17.00	16.88	16.78	15.77	15.78	15.46	15.16	15.51	15.39	15.71
2	16.86	16.38	16.98	16.96	16.74	15.75	15.75	15.44	15.21	15.57	15.38	15.83
3	16.86	16.37	16.91	16.96	16.69	15.73	15.71	15.43	15.33	15.63	15.35	15.94
4	16.86	16.36	16.89	17.01	16.65	15.73	15.68	15.42	15.34	15.57	15.32	16.03
5	16.86	16.37	16.88	17.05	16.65	15.72	15.71	15.40	15.36	15.52	15.29	16.10
6	16.85	16.42	16.87	17.09	16.63	15.70	15.69	15.39	15.40	15.48	15.27	16.13
7	16.83	16.51	16.86	17.10	16.59	15.68	15.66	15.37	15.42	15.48	15.24	16.16
8	16.80	16.49	16.85	17.09	16.54	15.67	15.63	15.36	15.43	15.48	15.21	16.16
9	16.78	16.68	16.84	17.15	16.49	15.65	15.62	15.36	15.41	15.46	15.21	16.19
10	16.76	16.86	16.84	17.18	16.45	15.64	15.62	15.34	15.39	15.44	15.19	16.23
11	16.74	16.89	16.85	17.17	16.40	15.62	15.59	15.32	15.37	15.44	15.17	16.26
12	16.73	16.92	16.84	17.15	16.41	15.60	15.57	15.31	15.34	15.45	15.16	16.28
13	16.71	16.92	16.81	17.13	16.40	15.66	15.55	15.29	15.33	15.46	15.15	16.32
14	16.69	16.92	16.80	17.11	16.35	15.66	15.53	15.27	15.32	15.45	15.16	16.36
15	16.66	16.91	16.78	17.08	16.30	15.64	15.51	15.25	15.31	15.44	15.13	16.45
16	16.65	16.90	16.77	17.08	16.24	15.62	15.72	15.23	15.29	15.42	15.11	16.56
17	16.63	16.87	16.77	17.04	16.19	15.65	15.72	15.20	15.28	15.40	15.08	16.63
18	16.62	16.85	16.76	17.01	16.14	15.74	15.68	15.18	15.26	15.37	15.05	16.64
19	16.59	16.89	16.74	16.95	16.09	15.77	15.64	15.15	15.24	15.35	15.01	16.61
20	16.57	16.92	16.73	16.86	16.02	15.82	15.62	15.12	15.22	15.33	14.97	16.57
21	16.54	17.00	16.72	16.80	15.96	15.93	15.60	15.09	15.19	15.32	14.92	16.54
22	16.51	17.03	16.70	16.76	15.92	16.05	15.58	15.05	15.17	15.34	14.88	16.50
23	16.52	17.08	16.69	16.72	15.91	16.06	15.56	15.02	15.16	15.38	14.95	16.45
24	16.53	17.12	16.67	16.67	15.88	16.03	15.54	14.98	15.16	15.41	15.08	16.41
25	16.52	17.13	16.70	16.75	15.85	16.01	15.52	14.95	15.16	15.39	15.06	16.37
26	16.50	17.11	16.73	16.86	15.83	15.99	15.51	14.91	15.15	15.36	15.06	16.36
27	16.49	17.09	16.71	16.86	15.83	15.96	15.54	14.88	15.31	15.35	15.03	16.33
28	16.47	17.08	16.71	16.85	15.80	15.91	15.52	14.95	15.47	15.39	15.10	16.31
29	16.46	17.05	16.72	16.84	---	15.87	15.50	15.02	15.45	15.37	15.36	16.33
30	16.44	17.02	16.71	16.83	---	15.82	15.48	15.04	15.50	15.36	15.46	16.35
31	16.42	---	16.72	16.81	---	15.79	---	15.09	---	15.38	15.61	---
TOTAL	516.32	504.54	520.55	525.80	455.73	489.24	468.33	471.27	459.13	478.30	470.35	489.11
MEAN	16.66	16.82	16.79	16.96	16.28	15.78	15.61	15.20	15.30	15.43	15.17	16.30
MAX	16.87	17.13	17.00	17.18	16.78	16.06	15.78	15.46	15.50	15.63	15.61	16.64
MIN	16.42	16.36	16.67	16.67	15.80	15.60	15.48	14.88	15.15	15.32	14.88	15.71

263000080120001 SITE 8C NEAR L-40 IN CONSERVATION AREA 1 NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°30'00", long 80°12'00", T.46 S., R.41 E., Palm Beach County, Hydrologic Unit 03090202, 20 ft west of L-40 in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of four located in Conservation Area No 1.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.36 ft Jan. 9-10, 1993; minimum, 13.05 ft June 2-4, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.36 ft Jan. 9-10; minimum, 13.12 ft May 27.

STATION NUMBER 263000080120001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	15.43	15.33	15.85	15.81	16.01
2	---	---	---	---	---	---	---	15.37	15.32	15.84	15.74	16.02
3	---	---	---	---	---	---	---	15.27	15.24	15.85	15.65	16.01
4	---	---	---	---	---	---	---	15.19	15.18	15.85	15.57	16.05
5	---	---	---	---	---	---	---	15.10	15.18	15.78	15.48	16.07
6	---	---	---	---	---	---	---	15.02	15.21	15.73	15.52	16.08
7	---	---	---	---	---	---	---	14.93	15.26	15.66	15.54	16.09
8	---	---	---	---	---	---	---	14.85	15.38	15.59	15.49	16.11
9	---	---	---	---	---	---	---	14.81	15.51	15.64	15.44	16.12
10	---	---	---	---	---	---	---	14.78	15.60	15.69	15.51	16.12
11	---	---	---	---	---	---	---	14.74	15.63	15.72	15.58	16.12
12	---	---	---	---	---	---	---	14.70	15.65	15.76	15.61	16.13
13	---	---	---	---	---	---	---	14.69	15.64	15.76	15.60	16.13
14	---	---	---	---	---	---	---	14.77	15.60	15.73	15.60	16.12
15	---	---	---	---	---	---	---	14.80	15.55	15.69	15.59	16.12
16	---	---	---	---	---	---	14.81	14.80	15.53	15.67	15.59	16.12
17	---	---	---	---	---	---	14.77	14.79	15.56	15.63	15.61	16.13
18	---	---	---	---	---	---	14.97	14.80	15.57	15.55	15.60	16.14
19	---	---	---	---	---	---	15.13	14.80	15.65	15.51	15.56	16.17
20	---	---	---	---	---	---	15.26	15.04	15.74	15.57	15.55	16.22
21	---	---	---	---	---	---	15.53	15.35	15.82	15.57	15.59	16.27
22	---	---	---	---	---	---	15.50	15.47	15.89	15.59	15.71	16.34
23	---	---	---	---	---	---	15.56	15.69	15.92	15.66	15.78	16.37
24	---	---	---	---	---	---	15.49	15.74	16.04	15.69	15.87	16.41
25	---	---	---	---	---	---	15.41	15.67	16.06	15.73	15.93	16.46
26	---	---	---	---	---	---	15.48	15.67	16.03	15.82	15.94	16.55
27	---	---	---	---	---	---	15.61	15.59	15.97	15.90	15.96	16.61
28	---	---	---	---	---	---	15.61	15.44	15.90	15.93	15.99	16.63
29	---	---	---	---	---	---	15.55	15.42	15.83	15.96	16.00	16.62
30	---	---	---	---	---	---	15.49	15.39	15.82	15.90	15.99	16.61
31	---	---	---	---	---	---	---	15.31	---	15.85	16.00	---
TOTAL	---	---	---	---	---	---	---	469.42	468.61	487.67	486.40	486.95
MEAN	---	---	---	---	---	---	---	15.14	15.62	15.73	15.69	16.23
MAX	---	---	---	---	---	---	---	15.74	16.06	15.96	16.00	16.63
MIN	---	---	---	---	---	---	---	14.69	15.18	15.51	15.44	16.01

263000080120001 SITE 8C NEAR L-40 IN CONSERVATION AREA 1 NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.72	16.72	16.66	16.33	15.99	15.88	15.56	14.95	13.15	16.43	15.55	16.21
2	16.76	16.71	16.65	16.36	15.94	15.80	15.53	14.91	13.13	16.43	15.52	16.20
3	16.76	16.69	16.65	16.36	15.92	15.78	15.60	14.88	13.11	16.41	15.52	16.21
4	16.79	16.67	16.65	16.33	15.91	15.77	15.63	14.86	13.28	16.40	15.54	16.25
5	16.83	16.67	16.65	16.30	16.01	15.75	15.59	14.81	13.90	16.37	15.65	16.25
6	16.84	16.66	16.64	16.29	16.17	15.77	15.52	14.76	14.16	16.28	15.70	16.25
7	16.84	16.65	16.62	16.27	16.23	15.78	15.53	14.79	14.25	16.21	15.75	16.23
8	16.90	16.64	16.60	16.25	16.25	15.80	15.58	14.77	14.20	16.16	15.80	16.21
9	16.94	16.63	16.59	16.24	16.24	15.77	15.57	14.72	14.12	16.08	15.85	16.23
10	16.97	16.60	16.59	16.24	16.25	15.76	15.55	14.64	14.04	16.01	15.90	16.25
11	16.98	16.58	16.57	16.21	16.21	15.74	15.56	14.58	13.99	15.94	15.93	16.27
12	16.98	16.56	16.54	16.19	16.19	15.72	15.81	14.54	14.12	15.88	15.97	16.29
13	16.96	16.53	16.53	16.17	16.15	15.73	15.82	14.47	14.15	15.84	15.97	16.31
14	16.93	16.51	16.52	16.19	16.13	15.73	15.82	14.45	14.29	15.80	15.95	16.35
15	16.93	16.49	16.50	16.17	16.10	15.69	15.76	14.48	14.81	15.74	15.93	16.37
16	16.95	16.49	16.49	16.15	16.07	15.64	15.65	14.46	15.06	15.67	15.91	16.37
17	16.92	16.48	16.47	16.12	16.04	15.62	15.56	14.45	15.20	15.60	15.90	16.38
18	16.88	16.46	16.45	16.11	16.01	15.59	15.49	14.41	15.25	15.58	15.93	16.47
19	16.90	16.46	16.43	16.11	15.99	15.62	15.42	14.36	15.26	15.58	15.90	16.50
20	16.90	16.49	16.40	---	15.94	15.70	15.44	14.31	15.28	15.59	15.84	16.52
21	16.88	16.48	16.39	16.10	15.92	15.64	15.40	14.26	15.27	15.63	15.80	16.53
22	16.86	16.48	16.40	16.06	15.94	15.62	15.34	14.21	15.24	15.71	15.88	16.56
23	16.85	16.46	16.40	16.08	15.92	15.68	15.24	14.12	15.29	15.69	15.94	16.61
24	16.82	16.45	16.39	16.12	15.89	15.65	15.15	14.04	15.40	15.68	16.07	16.68
25	16.81	16.44	16.37	16.10	15.92	15.63	15.15	13.95	15.56	15.66	16.11	16.70
26	16.80	16.42	16.37	16.06	16.05	15.70	15.14	13.89	15.81	15.63	16.09	16.72
27	16.79	16.41	16.37	16.03	16.07	15.68	15.11	13.72	15.98	15.60	16.08	16.74
28	16.78	16.40	16.37	16.03	16.04	15.63	15.08	13.65	16.15	15.58	16.07	16.80
29	16.77	16.40	16.38	16.02	15.97	15.61	15.01	13.59	16.27	15.55	16.08	16.87
30	16.75	16.65	16.36	16.02	---	15.60	14.98	13.40	16.41	15.57	16.13	16.93
31	16.74	---	16.33	16.02	---	15.61	---	13.22	---	15.57	16.18	---
TOTAL	522.53	496.28	511.33	---	465.46	486.69	463.59	444.65	442.13	491.87	492.44	493.26
MEAN	16.86	16.54	16.49	---	16.05	15.70	15.45	14.34	14.74	15.87	15.89	16.44
MAX	16.98	16.72	16.66	---	16.25	15.88	15.82	14.95	16.41	16.43	16.18	16.93
MIN	16.72	16.40	16.33	---	15.89	15.59	14.98	13.22	13.11	15.55	15.52	16.20

263000080120001 SITE 8C NEAR L-40 IN CONSERVATION AREA 1 NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.20	16.56	17.12	17.04	16.94	15.77	15.80	15.19	15.27	15.72	15.22	15.96
2	17.24	16.54	17.08	17.12	16.89	15.75	15.75	15.14	15.42	15.73	15.23	16.06
3	17.21	16.52	17.07	17.13	16.83	15.76	15.64	15.11	15.51	15.67	15.19	16.13
4	17.17	16.52	17.05	17.19	16.80	15.81	15.55	15.10	15.51	15.53	15.15	16.21
5	17.13	16.55	17.04	17.23	16.79	15.78	15.61	15.06	15.51	15.42	15.13	16.26
6	17.07	16.57	17.03	17.27	16.77	15.75	15.63	15.01	15.59	15.30	15.11	16.29
7	17.03	16.66	17.01	17.28	16.73	15.73	15.55	14.97	15.60	15.23	15.08	16.31
8	17.00	16.66	17.01	17.26	16.69	15.71	15.49	14.93	15.59	15.25	15.05	16.33
9	16.98	16.86	17.00	17.32	16.63	15.69	15.48	14.91	15.55	15.25	15.06	16.36
10	16.96	17.09	17.00	17.35	16.58	15.65	15.52	14.87	15.51	15.24	15.07	16.39
11	16.94	17.13	17.01	17.34	16.53	15.63	15.45	14.84	15.48	15.26	15.05	16.40
12	16.91	17.16	17.00	17.32	16.55	15.60	15.31	14.80	15.47	15.27	15.05	16.45
13	16.88	17.17	16.97	17.30	16.54	15.76	15.21	14.77	15.44	15.26	15.05	16.48
14	16.85	17.17	16.95	17.27	16.49	15.69	15.21	14.73	15.42	15.25	15.05	16.56
15	16.83	17.15	16.93	17.24	16.43	15.61	15.20	14.68	15.43	15.26	15.09	16.67
16	16.82	17.11	16.93	17.23	16.37	15.65	15.48	14.65	15.44	15.26	15.09	16.75
17	16.81	17.07	16.92	17.19	16.29	15.78	15.62	14.60	15.44	15.24	15.06	16.77
18	16.79	17.06	16.91	17.12	16.24	15.91	15.59	14.48	15.41	15.22	15.05	16.76
19	16.76	17.07	16.89	17.06	16.15	15.94	15.58	14.38	15.38	15.20	15.03	16.73
20	16.74	17.08	16.88	16.99	16.05	16.01	15.61	14.32	15.35	15.18	14.98	16.69
21	16.71	17.16	16.88	16.93	15.97	16.13	15.63	14.20	15.33	15.17	14.96	16.65
22	16.68	17.20	16.86	16.88	15.93	16.23	15.60	14.04	15.31	15.17	14.94	16.61
23	16.68	17.26	16.84	16.84	15.93	16.22	15.51	13.89	15.29	15.21	14.94	16.56
24	16.69	17.29	16.83	16.80	15.93	16.18	15.42	13.79	15.31	15.25	14.94	16.51
25	16.68	17.30	16.85	16.91	15.87	16.16	15.36	13.59	15.36	15.22	15.00	16.48
26	16.67	17.28	16.88	17.04	15.86	16.12	15.35	13.43	15.39	15.20	15.13	16.46
27	16.64	17.26	16.86	17.06	15.86	16.06	15.35	13.23	15.41	15.20	15.24	16.44
28	16.63	17.25	16.86	17.04	15.83	16.00	15.27	13.20	15.49	15.21	15.37	16.43
29	16.62	17.21	16.88	17.01	---	15.91	15.20	13.68	15.65	15.22	15.60	16.44
30	16.60	17.17	16.87	16.99	---	15.83	15.23	14.73	15.73	15.23	15.74	16.46
31	16.59	---	16.88	16.97	---	15.79	---	15.06	---	15.23	15.87	---
TOTAL	522.51	510.08	525.29	530.72	458.47	491.61	464.20	449.38	463.59	474.05	469.52	493.60
MEAN	16.86	17.00	16.94	17.12	16.37	15.86	15.47	14.50	15.45	15.29	15.15	16.45
MAX	17.24	17.30	17.12	17.35	16.94	16.23	15.80	15.19	15.73	15.73	15.87	16.77
MIN	16.59	16.52	16.83	16.80	15.83	15.60	15.20	13.20	15.27	15.17	14.94	15.96

262750080175001 SITE 9 IN CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

LOCATION.--Lat 26°27'50", long 80°17'50", in T.50 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, in Loxahatchee Wildlife Refuge (Arthur R. Marshall Park). Township and range approximated from topographic map for which most section lines are not delineated, unable to determine section.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of four located in Conservation Area No 1.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 17.16 ft Jan. 9, 1993; minimum, 15.09 ft June 2 and 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 17.16 ft Jan. 9; minimum, 15.37 ft June 23 and Aug. 28.

STATION NUMBER 262750080175001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	15.94	15.84
2	---	---	---	---	---	---	---	---	---	16.03	15.92	15.86
3	---	---	---	---	---	---	---	---	---	16.00	15.91	15.85
4	---	---	---	---	---	---	---	---	---	15.98	15.92	15.87
5	---	---	---	---	---	---	---	---	---	15.96	15.92	15.88
6	---	---	---	---	---	---	---	---	---	15.96	15.91	15.88
7	---	---	---	---	---	---	---	---	---	15.94	15.90	15.87
8	---	---	---	---	---	---	---	---	---	15.91	15.88	15.87
9	---	---	---	---	---	---	---	---	---	15.89	15.87	15.87
10	---	---	---	---	---	---	---	---	---	15.87	15.85	15.87
11	---	---	---	---	---	---	---	---	---	15.85	15.85	15.87
12	---	---	---	---	---	---	---	---	---	15.84	15.90	15.87
13	---	---	---	---	---	---	---	---	---	15.86	15.91	15.88
14	---	---	---	---	---	---	---	---	---	15.87	15.88	15.87
15	---	---	---	---	---	---	---	---	---	15.87	15.86	15.86
16	---	---	---	---	---	---	---	---	---	15.89	15.85	15.87
17	---	---	---	---	---	---	---	---	---	15.88	15.85	15.88
18	---	---	---	---	---	---	---	---	---	15.91	15.83	15.89
19	---	---	---	---	---	---	---	---	---	15.94	15.81	15.90
20	---	---	---	---	---	---	---	---	---	15.93	15.79	15.90
21	---	---	---	---	---	---	---	---	---	15.91	15.83	15.91
22	---	---	---	---	---	---	---	---	---	15.89	15.89	15.91
23	---	---	---	---	---	---	---	---	---	15.87	15.92	15.91
24	---	---	---	---	---	---	---	---	---	15.85	15.91	15.92
25	---	---	---	---	---	---	---	---	---	15.83	15.91	15.95
26	---	---	---	---	---	---	---	---	---	15.85	15.89	16.01
27	---	---	---	---	---	---	---	---	---	15.95	15.87	16.11
28	---	---	---	---	---	---	---	---	---	15.95	15.86	16.16
29	---	---	---	---	---	---	---	---	---	15.95	15.85	16.22
30	---	---	---	---	---	---	---	---	---	15.95	15.84	16.28
31	---	---	---	---	---	---	---	---	---	15.96	15.82	---
TOTAL	---	---	---	---	---	---	---	---	---	---	492.14	477.83
MEAN	---	---	---	---	---	---	---	---	---	---	15.88	15.93
MAX	---	---	---	---	---	---	---	---	---	---	15.94	16.28
MIN	---	---	---	---	---	---	---	---	---	---	15.79	15.84

262750080175001 SITE 9 IN CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.40	16.56	16.59	16.23	15.98	15.91	15.72	15.59	15.11	16.11	15.75	15.98
2	16.45	16.55	16.55	16.23	15.97	15.90	15.71	15.57	15.10	16.12	15.73	15.97
3	16.47	16.53	16.52	16.23	15.96	15.89	15.74	15.56	15.10	16.11	15.72	15.98
4	16.51	16.52	16.50	16.21	15.95	15.87	15.77	15.54	15.16	16.10	15.71	16.00
5	16.56	16.50	16.47	16.20	16.00	15.86	15.75	15.52	15.19	16.09	15.74	16.01
6	16.58	16.50	16.47	16.19	16.05	15.87	15.74	15.50	15.20	16.07	15.75	16.00
7	16.59	16.49	16.46	16.18	16.04	15.87	15.74	15.51	15.19	16.05	15.78	16.00
8	16.70	16.48	16.45	16.17	16.03	15.90	15.77	15.49	15.17	16.03	15.79	16.00
9	16.72	16.46	16.44	16.16	16.01	15.89	15.76	15.47	15.15	16.01	15.78	16.01
10	16.75	16.44	16.43	16.15	16.02	15.87	15.76	15.45	15.14	15.98	15.79	16.00
11	16.77	16.43	16.42	16.14	16.01	15.86	15.76	15.43	15.13	15.96	15.79	15.99
12	16.76	16.41	16.41	16.13	16.00	---	15.85	15.41	15.14	15.94	15.82	15.99
13	16.76	16.40	16.40	16.12	15.99	---	15.83	15.40	15.18	15.93	15.81	15.99
14	16.74	16.39	16.39	16.11	15.99	15.84	15.82	15.42	15.30	15.91	15.80	16.01
15	16.73	16.37	16.38	16.10	15.99	15.83	15.80	15.42	15.42	15.88	15.80	16.04
16	16.73	16.36	16.36	16.09	15.98	15.81	15.78	15.41	15.48	15.86	15.79	16.06
17	16.73	16.35	16.34	16.07	15.97	15.79	15.77	15.40	15.46	15.84	15.78	16.10
18	16.71	16.34	16.33	16.06	15.97	15.78	15.75	15.38	15.45	15.82	15.77	16.21
19	16.71	16.35	16.32	16.05	15.96	15.78	15.75	15.36	15.43	15.80	15.76	16.22
20	16.72	16.35	16.30	---	15.95	15.80	15.79	15.34	15.41	15.80	15.74	16.24
21	16.71	16.34	16.28	16.05	15.94	15.78	15.77	15.33	15.39	15.85	15.80	16.25
22	16.69	16.33	16.27	16.03	---	15.77	15.75	15.31	15.37	15.90	15.88	16.27
23	16.68	16.33	16.26	16.04	---	15.78	15.74	15.29	15.39	15.87	15.87	16.31
24	16.66	16.31	16.25	16.06	15.95	15.78	15.72	15.27	15.45	15.86	16.06	16.37
25	16.64	16.29	16.24	16.05	15.95	15.80	15.71	15.25	15.51	15.84	16.10	16.41
26	16.63	16.28	16.23	16.04	15.97	15.81	15.69	15.23	15.71	15.81	16.07	16.46
27	16.61	16.27	16.22	16.03	15.96	15.79	15.67	15.21	15.79	15.79	16.04	16.48
28	16.60	16.26	16.22	16.02	15.95	15.77	15.65	15.18	15.90	15.77	16.02	16.53
29	16.60	16.29	16.27	16.01	15.93	15.76	15.62	15.16	15.95	15.77	16.01	16.60
30	16.59	16.63	16.25	16.01	---	15.75	15.61	15.14	16.08	15.79	16.01	16.63
31	16.57	---	16.24	16.00	---	15.73	---	15.12	---	15.77	16.00	---
TOTAL	516.07	492.11	507.26	---	---	---	472.29	476.66	461.45	493.43	491.26	485.11
MEAN	16.65	16.40	16.36	---	---	---	15.74	15.38	15.38	15.92	15.85	16.17
MAX	16.77	16.63	16.59	---	---	---	15.85	15.59	16.08	16.12	16.10	16.63
MIN	16.40	16.26	16.22	---	---	---	15.61	15.12	15.10	15.77	15.71	15.97

262750080175001 SITE 9 IN CONSERVATION AREA NO. 1, NEAR BOYNTON BEACH, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.94	---	16.96	16.78	16.72	16.19	16.08	15.84	15.64	15.45	15.67	15.70
2	17.02	---	16.92	16.87	16.70	16.17	16.06	15.82	15.63	15.52	15.66	15.70
3	17.01	---	16.90	16.91	16.68	16.15	16.03	15.81	15.64	15.66	15.65	15.72
4	16.95	---	16.88	16.95	16.66	16.15	16.01	15.80	15.62	15.65	15.63	15.69
5	16.90	---	16.87	16.99	16.66	16.13	16.05	15.78	15.63	15.63	15.61	15.68
6	16.84	---	16.86	17.03	16.65	---	16.04	15.76	15.65	15.62	15.60	15.68
7	16.80	---	16.84	17.06	16.62	---	16.02	15.75	15.63	15.60	15.58	15.74
8	16.77	---	16.83	17.06	16.59	16.08	16.00	15.73	15.61	15.59	15.56	15.81
9	16.75	---	16.82	17.13	16.56	16.06	15.99	15.72	15.59	15.58	15.55	15.90
10	16.73	---	16.82	17.14	16.54	16.04	15.99	15.70	15.57	15.57	15.53	15.99
11	16.72	---	16.81	17.13	16.51	16.03	15.97	15.68	15.55	15.57	15.52	16.04
12	16.71	---	16.80	17.11	16.54	16.01	15.95	15.69	15.53	15.59	15.51	16.09
13	16.70	16.94	16.80	17.09	16.52	16.06	15.93	15.70	15.51	15.59	15.49	16.13
14	16.68	16.96	16.79	17.06	16.48	16.05	15.91	15.68	15.50	15.58	15.49	16.22
15	16.67	16.95	16.77	17.04	16.45	16.03	15.89	15.66	15.51	15.58	15.47	16.40
16	16.66	16.93	16.77	17.03	16.42	16.01	16.01	15.64	15.50	15.58	15.48	16.48
17	16.64	16.90	16.75	16.99	16.40	16.03	16.03	15.62	15.48	15.56	15.51	16.52
18	16.63	16.88	16.74	16.95	16.37	16.11	16.00	15.60	15.46	15.54	15.52	16.53
19	16.61	16.88	16.73	16.91	16.34	16.11	15.98	15.58	15.44	15.52	15.50	16.53
20	16.59	16.90	16.72	16.86	16.32	16.11	15.97	15.56	15.42	15.50	15.48	16.50
21	16.57	16.96	16.71	16.82	16.29	16.17	15.95	15.54	15.41	15.50	15.46	16.49
22	16.55	16.99	16.70	16.78	16.28	16.24	15.93	15.52	15.39	15.51	15.44	16.45
23	16.54	17.03	16.69	16.73	16.28	16.22	15.91	15.50	15.38	15.56	15.42	16.41
24	16.54	17.08	16.67	16.70	16.26	16.20	15.89	15.48	15.39	15.58	15.41	16.38
25	---	17.10	16.68	16.74	16.24	16.19	15.87	15.46	15.39	15.57	15.42	16.36
26	---	17.09	16.69	16.82	16.23	16.17	15.87	15.45	15.40	15.56	15.42	16.35
27	---	17.07	16.69	16.80	16.24	16.15	15.92	15.43	15.41	15.55	15.41	16.33
28	---	17.05	16.68	16.77	16.21	16.13	15.90	15.44	15.42	15.56	15.47	16.29
29	---	17.02	16.68	16.76	---	16.11	15.88	15.46	15.43	15.59	15.67	16.28
30	---	16.99	16.68	16.75	---	16.09	15.86	15.49	15.46	15.66	15.70	16.27
31	---	---	16.71	16.74	---	16.08	---	15.57	---	15.68	15.73	---
TOTAL	---	---	519.96	524.50	460.76	---	478.89	484.46	465.19	482.80	481.56	484.66
MEAN	---	---	16.77	16.92	16.46	---	15.96	15.63	15.51	15.57	15.53	16.16
MAX	---	---	16.96	17.14	16.72	---	16.08	15.84	15.65	15.68	15.73	16.53
MIN	---	---	16.67	16.70	16.21	---	15.86	15.43	15.38	15.45	15.41	15.68

262400080250001 SITE 15 NEAR L-39 IN CONSERVATION AREA NO. 2A, NEAR SHAWANO, FL

LOCATION.--Lat 26°25'54", long 80°24'56", T.46 S., R.39 E., Palm Beach County, Hydrologic Unit 03090202, in Conservation Area No. 2A near Shawano, 15.6 mi west of State Road 7, on the south side of L-39.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area No. 2A. Gage record is primarily used to determine stage. Rainfall data available in files of the Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.46 ft Oct. 6-7, 1992; minimum, 12.64 ft May 27, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.46 ft Oct. 6,7; minimum 12.64 ft May 27.

STATION NUMBER 262400080250001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	13.86	13.66	13.39
2	---	---	---	---	---	---	---	---	---	13.83	13.69	13.40
3	---	---	---	---	---	---	---	---	---	13.83	13.71	13.38
4	---	---	---	---	---	---	---	---	---	13.82	13.72	13.41
5	---	---	---	---	---	---	---	---	---	13.83	13.71	13.41
6	---	---	---	---	---	---	---	---	---	13.88	13.69	13.39
7	---	---	---	---	---	---	---	---	---	13.88	13.66	13.39
8	---	---	---	---	---	---	---	---	---	13.85	13.62	13.39
9	---	---	---	---	---	---	---	---	---	13.81	13.61	13.39
10	---	---	---	---	---	---	---	---	---	13.81	13.72	13.37
11	---	---	---	---	---	---	---	---	---	13.77	13.65	13.39
12	---	---	---	---	---	---	---	---	---	13.76	13.60	13.40
13	---	---	---	---	---	---	---	---	---	13.74	13.56	13.38
14	---	---	---	---	---	---	---	---	---	13.71	13.52	13.40
15	---	---	---	---	---	---	---	---	13.33	13.70	13.49	13.41
16	---	---	---	---	---	---	---	---	13.35	13.72	13.46	13.39
17	---	---	---	---	---	---	---	---	13.45	13.69	13.44	13.40
18	---	---	---	---	---	---	---	---	13.47	13.67	13.42	13.40
19	---	---	---	---	---	---	---	---	13.47	13.65	13.41	13.39
20	---	---	---	---	---	---	---	---	13.48	13.64	13.41	13.39
21	---	---	---	---	---	---	---	---	13.49	13.61	13.43	13.42
22	---	---	---	---	---	---	---	---	13.50	13.62	13.45	13.43
23	---	---	---	---	---	---	---	---	13.52	13.62	13.47	13.42
24	---	---	---	---	---	---	---	---	13.58	13.60	13.44	13.42
25	---	---	---	---	---	---	---	---	13.60	13.63	13.44	13.43
26	---	---	---	---	---	---	---	---	13.60	13.61	13.44	13.43
27	---	---	---	---	---	---	---	---	13.60	13.67	13.41	13.42
28	---	---	---	---	---	---	---	---	13.66	13.65	13.42	13.42
29	---	---	---	---	---	---	---	---	13.77	13.61	13.40	13.42
30	---	---	---	---	---	---	---	---	13.81	13.62	13.39	13.43
31	---	---	---	---	---	---	---	---	---	13.63	13.37	---
TOTAL	---	---	---	---	---	---	---	---	---	425.32	419.41	402.11
MEAN	---	---	---	---	---	---	---	---	---	13.72	13.53	13.40
MAX	---	---	---	---	---	---	---	---	---	13.88	13.72	13.43
MIN	---	---	---	---	---	---	---	---	---	13.60	13.37	13.37

262400080250001 SITE 15 NEAR L-39 IN CONSERVATION AREA NO. 2A, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.44	13.43	13.43	13.40	13.35	13.44	13.27	13.13	12.95	13.68	13.59	14.14
2	13.44	13.43	13.43	13.41	13.35	13.43	13.25	13.11	13.18	13.70	13.55	14.14
3	13.44	13.43	13.42	13.40	13.35	13.42	13.36	13.09	13.12	13.73	13.53	14.23
4	13.44	13.43	13.43	13.39	13.35	13.42	13.38	13.07	13.24	13.76	13.51	14.32
5	13.43	13.44	13.42	13.39	13.41	13.41	13.34	13.04	13.29	13.79	13.50	14.31
6	13.43	13.43	13.42	13.39	13.42	13.39	13.31	13.11	13.34	13.81	13.55	14.29
7	13.43	13.43	13.41	13.39	13.41	13.38	13.33	13.33	13.28	13.84	13.61	14.27
8	13.45	13.43	13.41	13.39	13.40	13.38	13.39	13.26	13.23	13.83	13.61	14.26
9	13.44	13.42	13.41	13.39	13.40	13.35	13.36	13.22	13.18	13.82	13.63	14.26
10	13.44	13.42	13.41	13.39	13.40	13.33	13.33	13.18	13.27	13.81	13.65	14.24
11	13.44	13.42	13.41	13.37	13.40	13.33	13.36	13.14	13.44	13.80	13.64	14.21
12	13.44	13.42	13.41	13.37	13.39	13.32	13.42	13.11	13.44	13.82	13.64	14.19
13	13.44	13.42	13.41	13.38	13.39	13.36	13.38	13.10	13.41	13.85	13.65	14.18
14	13.44	13.42	13.41	13.38	13.38	13.35	13.36	13.18	13.41	13.81	13.66	14.18
15	13.45	13.42	13.41	13.38	13.38	13.33	13.34	13.35	13.39	13.77	13.67	14.18
16	13.44	13.42	13.40	13.37	13.37	13.31	13.31	13.28	13.36	13.74	13.72	14.16
17	13.44	13.42	13.40	13.37	13.37	13.30	13.29	13.25	13.33	13.71	13.72	14.15
18	13.44	13.41	13.40	13.37	13.39	13.29	13.27	13.21	13.29	13.68	13.71	14.16
19	13.45	13.44	13.39	13.38	13.40	13.31	13.30	13.17	13.32	13.66	13.70	14.18
20	13.44	13.42	13.39	---	13.41	13.36	13.39	13.15	13.35	13.63	13.69	14.18
21	13.44	13.42	13.39	13.38	13.43	13.31	13.35	13.12	13.30	13.63	13.76	14.19
22	13.44	13.41	13.39	13.37	---	13.31	13.32	13.10	13.27	13.66	13.83	14.16
23	13.44	13.41	13.39	13.40	---	13.37	13.30	13.07	13.31	13.62	13.82	14.13
24	13.44	13.41	13.39	13.39	13.44	13.35	13.28	13.03	13.37	13.59	13.96	14.14
25	13.44	13.40	13.39	13.37	13.45	13.39	13.26	12.98	13.42	13.57	14.08	14.13
26	13.44	13.40	13.39	13.37	13.48	13.37	13.24	12.94	13.50	13.55	14.10	14.11
27	13.44	13.40	13.39	13.37	13.47	13.34	13.21	12.90	13.49	13.53	14.11	14.09
28	13.43	13.40	13.41	13.38	13.46	13.32	13.19	12.87	13.49	13.51	14.12	14.09
29	13.45	13.43	13.42	13.38	13.45	13.30	13.17	12.83	13.55	13.54	14.14	14.11
30	13.43	13.46	13.40	13.37	---	13.30	13.15	12.79	13.68	13.63	14.16	14.10
31	13.43	---	13.40	13.36	---	13.29	---	12.77	---	13.63	14.14	---
TOTAL	416.62	402.64	415.58	---	---	413.86	399.21	405.88	400.20	424.70	426.75	425.48
MEAN	13.44	13.42	13.41	---	---	13.35	13.31	13.09	13.34	13.70	13.77	14.18
MAX	13.45	13.46	13.43	---	---	13.44	13.42	13.35	13.68	13.85	14.16	14.32
MIN	13.43	13.40	13.39	---	---	13.29	13.15	12.77	12.95	13.51	13.50	14.09

262400080250001 SITE 15 NEAR L-39 IN CONSERVATION AREA NO. 2A, NEAR SHAWANO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.19	13.45	13.89	13.46	14.13	13.85	13.63	13.31	13.34	13.27	13.27	13.37
2	14.22	13.45	13.87	13.46	14.13	13.81	13.63	13.29	13.31	13.28	13.26	13.38
3	14.25	13.45	13.80	13.47	14.14	13.76	13.63	13.28	13.32	13.28	13.23	13.38
4	14.32	13.49	13.72	13.46	14.14	13.71	13.62	13.27	13.28	13.25	13.19	13.40
5	14.40	13.47	13.66	13.46	14.15	13.67	13.67	13.24	13.36	13.28	13.16	13.41
6	14.44	13.48	13.60	13.47	14.16	13.62	13.68	13.23	13.42	13.33	13.13	13.39
7	14.46	13.51	13.56	13.47	14.16	13.58	13.66	13.21	13.38	13.31	13.11	13.38
8	14.42	13.49	13.53	13.47	14.15	13.54	13.64	13.19	13.35	13.33	13.09	13.40
9	14.38	13.55	13.50	13.51	14.14	13.51	13.64	13.17	13.31	13.32	13.15	13.45
10	14.34	13.65	13.50	13.50	14.13	13.48	13.65	13.13	13.28	13.30	13.23	13.51
11	14.29	13.59	13.49	13.55	14.13	13.45	13.63	13.10	13.25	13.30	13.19	13.54
12	14.25	13.57	13.48	13.60	14.16	13.43	13.60	13.17	13.23	13.29	13.17	13.56
13	14.21	13.61	13.48	13.63	14.17	13.48	13.58	13.20	13.21	13.27	13.17	13.58
14	14.16	13.68	13.48	13.66	14.15	13.44	13.56	13.14	13.26	13.27	13.19	13.61
15	14.05	13.72	13.48	13.72	14.13	13.43	13.53	13.09	13.33	13.30	13.22	13.70
16	13.95	13.75	13.48	13.83	14.12	13.41	13.60	13.06	13.30	13.29	13.20	13.75
17	13.87	13.77	13.48	13.88	14.10	13.44	13.58	13.03	13.26	13.24	13.17	13.75
18	13.79	13.78	13.48	13.92	14.08	13.46	13.55	12.99	13.22	13.20	13.14	13.76
19	13.73	13.80	13.47	13.94	14.06	13.44	13.52	12.96	13.20	13.18	13.10	13.76
20	13.66	13.85	13.47	13.96	14.04	13.43	13.50	12.92	13.18	13.16	13.07	13.75
21	13.61	13.93	13.47	13.97	14.02	13.45	13.48	12.88	13.18	13.26	13.03	13.75
22	13.56	13.93	13.46	13.97	14.00	13.47	13.46	12.84	13.22	13.35	13.00	13.74
23	13.54	13.93	13.46	13.96	14.02	13.45	13.44	12.82	13.21	13.34	12.99	13.74
24	13.51	13.93	13.46	13.94	13.98	13.47	13.43	12.79	13.26	13.30	13.01	13.73
25	13.49	13.93	13.47	13.97	13.95	13.52	13.42	12.76	13.28	13.27	13.23	13.72
26	13.48	13.92	13.46	14.06	13.93	13.54	13.41	12.73	13.27	13.27	13.35	13.73
27	13.47	13.91	---	14.06	13.92	13.55	13.40	12.69	13.37	13.30	13.30	13.74
28	13.48	13.91	---	14.06	13.88	13.57	13.37	12.77	13.38	13.33	13.35	13.74
29	13.47	13.90	---	14.08	---	13.59	13.35	12.87	13.32	13.29	13.43	13.83
30	13.46	13.89	---	14.10	---	13.61	13.33	12.94	13.29	13.27	13.42	13.84
31	13.46	---	13.46	14.12	---	13.62	---	13.23	---	13.28	13.40	---
TOTAL	431.91	411.29	---	426.71	394.27	419.78	406.19	404.30	398.57	411.71	408.95	408.39
MEAN	13.93	13.71	---	13.76	14.08	13.54	13.54	13.04	13.29	13.28	13.19	13.61
MAX	14.46	13.93	---	14.12	14.17	13.85	13.68	13.31	13.42	13.35	13.43	13.84
MIN	13.46	13.45	---	13.46	13.88	13.41	13.33	12.69	13.18	13.16	12.99	13.37

262358080055700 E-4 CANAL, CLINT-MOORE ROAD, BOCA RATON, FL

LOCATION.--Lat 26°23'58", long 80°05'57", in NW1/4 sec.6, T.47 S., R.43 E., Palm Beach County, Hydrologic Unit 03090202, .5 mi west on 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.

REMARKS.--Records good. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.17 ft Nov.18, 1992; minimum, 2.33 ft May 14-16, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 6.17 ft Nov. 18; minimum 3.76 ft May 27, 28.

STATION NUMBER 262358080055700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.40	4.05	4.59	4.64	4.53	4.45	4.53	4.36	4.29	4.28	4.24	4.43
2	4.39	3.99	4.59	4.68	4.52	4.42	4.49	4.35	4.33	4.36	4.26	4.43
3	4.44	3.94	4.56	4.65	4.51	4.43	4.47	4.34	4.35	4.43	4.24	4.43
4	4.42	3.95	4.57	4.65	4.52	4.44	4.46	4.34	4.36	4.41	4.19	4.41
5	4.38	3.96	4.57	4.76	4.63	4.41	4.51	4.32	4.40	4.39	4.14	4.40
6	4.37	3.98	4.56	4.75	4.63	4.41	4.47	4.32	4.43	4.36	4.07	4.37
7	4.36	4.29	4.56	4.73	4.61	4.40	4.46	4.32	4.41	4.34	4.04	4.36
8	4.37	4.37	4.54	4.71	4.59	4.37	4.45	4.31	4.39	4.41	4.06	4.36
9	4.36	4.79	4.52	4.82	4.57	4.36	4.47	4.31	4.38	4.38	4.19	4.37
10	4.36	5.02	4.50	4.83	4.56	4.33	4.46	4.29	4.36	4.36	4.26	4.36
11	4.34	4.89	4.44	4.81	4.56	4.32	4.41	4.29	4.34	4.36	4.25	4.39
12	4.32	4.82	4.43	4.76	4.61	4.32	4.40	4.29	4.34	4.36	4.22	4.38
13	4.30	4.76	4.42	4.72	4.58	4.41	4.38	4.26	4.32	4.36	4.20	4.37
14	4.30	4.71	4.42	4.68	4.54	4.35	4.38	4.21	4.31	4.37	4.16	4.46
15	4.28	4.68	4.41	4.67	4.52	4.34	4.38	4.20	4.29	4.36	4.17	4.47
16	4.30	4.65	4.41	4.68	4.52	4.34	4.47	4.17	4.29	4.33	4.16	4.49
17	4.30	4.62	4.40	4.64	4.47	4.38	4.43	4.16	4.27	4.28	4.19	4.52
18	4.26	5.36	4.39	4.62	4.45	4.44	4.42	4.15	4.25	4.26	4.24	4.51
19	4.22	5.11	4.39	4.60	4.45	4.41	4.41	4.14	4.27	4.22	4.23	4.50
20	4.21	4.97	4.39	4.58	4.47	4.43	4.40	4.10	4.28	4.21	4.20	4.48
21	4.17	4.91	4.37	4.56	4.47	4.50	4.40	4.05	4.26	4.30	4.16	4.47
22	4.13	4.86	4.35	4.56	4.47	4.63	4.38	3.99	4.23	4.27	4.12	4.45
23	4.15	4.81	4.35	4.54	4.47	4.59	4.37	3.94	4.22	4.25	4.07	4.42
24	4.17	4.77	4.34	4.54	4.45	4.57	4.38	3.89	4.22	4.32	4.02	4.41
25	4.16	4.73	4.42	4.60	4.45	4.55	4.38	3.85	4.22	4.29	3.98	4.40
26	4.11	4.71	4.41	4.63	4.49	4.54	4.38	3.82	4.23	4.25	4.01	4.41
27	4.07	4.68	4.44	4.59	4.48	4.52	4.37	3.77	4.21	4.22	4.01	4.40
28	4.05	4.65	4.41	4.59	4.47	4.50	4.36	3.80	4.25	4.22	4.09	4.39
29	4.06	4.62	4.41	4.58	---	4.50	4.36	3.85	4.26	4.21	4.35	4.45
30	4.06	4.60	4.40	4.56	---	4.49	4.35	3.89	4.31	4.20	4.42	4.46
31	4.07	---	4.44	4.55	---	4.52	---	4.09	---	4.24	4.46	---
TOTAL	131.88	138.25	138.00	144.28	126.59	137.67	132.58	128.17	129.07	133.60	129.40	132.75
MEAN	4.25	4.61	4.45	4.65	4.52	4.44	4.42	4.13	4.30	4.31	4.17	4.42
MAX	4.44	5.36	4.59	4.83	4.63	4.63	4.53	4.36	4.43	4.43	4.46	4.52
MIN	4.05	3.94	4.34	4.54	4.45	4.32	4.35	3.77	4.21	4.20	3.98	4.36

262337080074800 E-3 CANAL AT 51ST STREET, BOCA RATON, FL

LOCATION.--Lat 26°23'37", long 80°07'48", in NE1/4NW1/4 sec.11, T.47 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, 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.

REMARKS.--Records good. Station is part of a canal system operated by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.82 ft May 4,1982; minimum, 8.38 ft Mar. 12, 1984.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.69 ft Mar. 21; minimum, 8.88 ft Nov. 5.

STATION NUMBER 262337080074800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.65	8.98	9.56	9.88	9.80	9.81	10.12	9.74	9.96	9.93	9.93	9.68
2	9.54	8.96	9.54	9.68	9.81	9.66	9.93	9.64	9.97	9.89	9.97	9.49
3	9.64	8.94	9.49	9.46	9.85	9.70	9.75	9.68	10.06	9.91	10.10	9.98
4	9.62	8.92	9.47	9.52	9.89	9.85	9.70	9.57	10.04	9.77	10.06	9.93
5	9.57	8.97	9.45	9.79	9.96	9.89	9.83	9.55	10.11	9.63	9.99	9.86
6	9.52	9.27	9.41	9.72	9.97	9.89	9.88	9.65	10.10	9.56	9.75	9.81
7	9.51	9.27	9.39	9.85	9.94	9.91	9.79	9.69	9.98	9.57	9.80	9.75
8	9.52	9.26	9.36	9.88	9.86	9.89	9.75	9.60	9.85	9.61	9.89	9.96
9	9.51	9.55	9.34	10.00	9.76	9.88	9.87	9.57	9.66	9.65	9.87	10.04
10	9.49	10.09	9.34	10.11	9.76	9.90	9.90	9.58	9.78	9.90	9.86	9.87
11	9.47	9.89	9.35	10.07	9.81	9.91	9.85	9.61	9.81	10.00	9.83	9.87
12	9.44	9.83	9.35	9.93	9.98	9.92	9.87	9.64	9.81	9.98	9.85	9.83
13	9.42	9.78	9.36	9.90	9.98	9.95	9.98	9.68	9.79	9.79	9.92	9.89
14	9.37	9.71	9.36	9.83	9.90	9.81	9.91	9.72	9.77	9.71	9.89	10.07
15	9.34	9.56	9.35	9.82	9.88	9.20	9.92	9.71	9.78	9.69	9.87	9.99
16	9.36	9.52	9.33	9.83	9.88	9.45	10.03	9.70	9.81	9.68	9.95	10.02
17	9.34	9.63	9.33	9.78	9.87	9.60	9.96	9.67	9.78	9.88	10.04	9.94
18	9.30	10.05	9.61	9.77	9.83	9.84	10.03	9.63	9.72	10.01	10.02	9.87
19	9.26	9.90	9.73	9.76	9.74	9.86	10.00	9.64	9.67	9.98	9.91	9.78
20	9.23	9.80	9.76	9.75	9.45	9.90	9.98	9.66	9.62	---	9.76	9.90
21	9.19	9.72	9.79	9.76	9.36	10.15	9.99	9.65	9.58	---	9.76	9.93
22	9.14	9.65	9.80	9.76	9.49	10.32	9.97	9.64	9.54	---	9.63	9.96
23	9.13	9.73	9.81	9.73	9.89	10.00	9.92	9.68	9.50	---	9.71	9.95
24	9.11	9.71	9.80	9.73	9.84	9.91	9.91	9.69	9.46	---	9.98	9.92
25	9.09	9.72	9.92	9.81	9.87	9.84	9.85	9.66	9.47	---	9.91	9.89
26	9.06	9.68	10.00	9.69	9.95	9.84	9.71	9.64	9.74	---	9.97	9.97
27	9.01	9.66	9.99	9.63	9.94	10.01	9.70	9.62	9.92	---	10.06	10.01
28	8.99	9.62	9.72	9.63	9.88	9.95	9.79	9.87	9.81	10.09	10.06	9.98
29	9.05	9.59	9.76	9.73	---	9.93	9.84	9.84	9.68	10.11	10.08	10.09
30	9.04	9.57	9.72	9.80	---	9.91	9.86	9.87	9.89	10.03	10.17	10.11
31	9.00	---	9.77	9.80	---	10.00	---	9.92	---	9.99	10.15	---
TOTAL	288.91	286.53	296.96	303.40	275.14	305.68	296.59	300.01	293.66	---	307.74	297.34
MEAN	9.32	9.55	9.58	9.79	9.83	9.86	9.89	9.68	9.79	---	9.93	9.91
MAX	9.65	10.09	10.00	10.11	9.98	10.32	10.12	9.92	10.11	---	10.17	10.11
MIN	8.99	8.92	9.33	9.46	9.36	9.20	9.70	9.55	9.46	---	9.63	9.49

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°23'14", long 80°22'50", in NE1/4 sec.6, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-D, (a 4-gated control structure), 11.9 mi west of State Road 7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-D on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-D. Tipping bucket rain gage at S-10-D upstream. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages. Rainfall data is available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.21 ft Nov. 23, 1992; maximum downstream gage height, 16.14 ft Oct. 3; minimum upstream gage height, 12.90 ft June 3, 1992; minimum downstream gage height, 11.58 ft June 10, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.21 ft Nov. 23; maximum downstream gage height, 16.14 ft Oct. 3; minimum upstream gage height, 13.01 ft May 28; minimum downstream gage height, 12.68 ft May 27, 28.

STATION NUMBER 262300080220001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	15.43	15.40	15.83
2	---	---	---	---	---	---	---	---	---	15.48	15.33	15.84
3	---	---	---	---	---	---	---	---	---	15.55	15.27	15.85
4	---	---	---	---	---	---	---	---	---	15.49	15.21	15.86
5	---	---	---	---	---	---	---	---	---	15.45	15.18	15.89
6	---	---	---	---	---	---	---	---	---	15.41	15.28	15.92
7	---	---	---	---	---	---	---	---	---	15.32	15.28	15.92
8	---	---	---	---	---	---	---	---	---	15.29	15.24	15.94
9	---	---	---	---	---	---	---	---	---	15.39	15.21	15.96
10	---	---	---	---	---	---	---	---	---	15.42	15.35	15.96
11	---	---	---	---	---	---	---	---	---	15.46	15.41	15.96
12	---	---	---	---	---	---	---	---	---	15.51	15.42	15.96
13	---	---	---	---	---	---	---	---	---	15.47	15.42	15.95
14	---	---	---	---	---	---	---	---	---	15.43	15.39	15.96
15	---	---	---	---	---	---	---	---	15.31	15.41	15.38	15.97
16	---	---	---	---	---	---	---	---	15.30	15.41	15.41	15.96
17	---	---	---	---	---	---	---	---	15.30	15.38	15.40	15.96
18	---	---	---	---	---	---	---	---	15.31	15.33	15.38	15.99
19	---	---	---	---	---	---	---	---	15.39	15.32	15.36	16.09
20	---	---	---	---	---	---	---	---	15.57	15.38	15.35	16.15
21	---	---	---	---	---	---	---	---	15.65	15.38	15.40	16.20
22	---	---	---	---	---	---	---	---	15.64	15.40	15.53	16.27
23	---	---	---	---	---	---	---	---	15.65	15.48	15.65	16.31
24	---	---	---	---	---	---	---	---	15.74	---	15.72	16.35
25	---	---	---	---	---	---	---	---	15.74	---	15.75	16.42
26	---	---	---	---	---	---	---	---	15.64	---	15.80	16.48
27	---	---	---	---	---	---	---	---	15.56	15.60	15.84	16.53
28	---	---	---	---	---	---	---	---	15.47	15.61	15.83	16.53
29	---	---	---	---	---	---	---	---	15.42	15.59	15.83	16.52
30	---	---	---	---	---	---	---	---	15.39	15.46	15.83	16.52
31	---	---	---	---	---	---	---	---	---	15.40	15.80	---
TOTAL	---	---	---	---	---	---	---	---	---	---	479.65	483.05
MEAN	---	---	---	---	---	---	---	---	---	---	15.47	16.10
MAX	---	---	---	---	---	---	---	---	---	---	15.84	16.53
MIN	---	---	---	---	---	---	---	---	---	---	15.18	15.83

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	14.58	14.84	13.15
2	---	---	---	---	---	---	---	---	---	14.59	14.82	13.15
3	---	---	---	---	---	---	---	---	---	14.64	14.82	13.14
4	---	---	---	---	---	---	---	---	---	14.68	14.83	13.16
5	---	---	---	---	---	---	---	---	---	14.67	14.64	13.17
6	---	---	---	---	---	---	---	---	---	14.66	14.35	13.17
7	---	---	---	---	---	---	---	---	---	14.62	14.29	13.17
8	---	---	---	---	---	---	---	---	---	14.46	14.25	13.18
9	---	---	---	---	---	---	---	---	---	14.09	14.01	13.15
10	---	---	---	---	---	---	---	---	---	14.03	13.59	13.14
11	---	---	---	---	---	---	---	---	---	14.00	13.43	13.14
12	---	---	---	---	---	---	---	---	---	14.06	13.35	13.14
13	---	---	---	---	---	---	---	---	---	14.23	13.29	13.13
14	---	---	---	---	---	---	---	---	---	14.26	13.25	13.12
15	---	---	---	---	---	---	---	---	12.87	14.28	13.21	13.11
16	---	---	---	---	---	---	---	---	12.84	14.30	13.18	13.11
17	---	---	---	---	---	---	---	---	12.72	14.29	13.16	13.11
18	---	---	---	---	---	---	---	---	12.71	14.27	13.17	13.13
19	---	---	---	---	---	---	---	---	12.71	14.08	13.15	13.13
20	---	---	---	---	---	---	---	---	12.73	13.53	13.14	13.13
21	---	---	---	---	---	---	---	---	13.20	13.28	13.15	13.13
22	---	---	---	---	---	---	---	---	13.95	13.13	13.19	13.15
23	---	---	---	---	---	---	---	---	13.98	13.06	13.22	13.16
24	---	---	---	---	---	---	---	---	14.12	---	13.21	13.16
25	---	---	---	---	---	---	---	---	14.43	---	13.21	13.17
26	---	---	---	---	---	---	---	---	14.62	14.33	13.19	13.18
27	---	---	---	---	---	---	---	---	14.62	14.38	13.19	13.17
28	---	---	---	---	---	---	---	---	14.60	14.42	13.18	13.16
29	---	---	---	---	---	---	---	---	14.56	14.59	13.19	13.16
30	---	---	---	---	---	---	---	---	14.55	14.71	13.17	13.17
31	---	---	---	---	---	---	---	---	---	14.83	13.15	---
TOTAL	---	---	---	---	---	---	---	---	---	---	421.82	394.44
MEAN	---	---	---	---	---	---	---	---	---	---	13.61	13.15
MAX	---	---	---	---	---	---	---	---	---	---	14.84	13.18
MIN	---	---	---	---	---	---	---	---	---	---	13.14	13.11

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.56	16.55	16.50	16.15	15.80	15.66	15.38	14.79	---	15.90	15.37	15.96
2	16.58	16.54	16.49	16.16	15.79	15.62	15.36	14.76	---	15.99	15.35	15.97
3	16.61	16.52	16.47	16.14	15.77	15.63	15.40	14.73	---	15.96	15.33	15.99
4	16.67	16.52	16.49	16.12	15.76	15.62	15.43	14.68	13.27	15.90	15.35	16.07
5	16.69	16.51	16.50	16.11	15.86	15.61	15.42	14.65	13.82	15.84	15.42	16.08
6	16.70	16.49	16.48	16.09	16.06	15.60	15.41	14.60	14.10	15.75	15.51	16.06
7	16.71	16.47	16.46	16.08	16.13	15.60	15.38	14.66	14.17	15.65	15.60	16.02
8	16.77	16.46	16.45	16.08	16.12	15.62	15.42	14.64	14.06	15.61	15.68	15.98
9	16.81	16.44	16.43	16.07	16.11	15.61	15.41	14.58	13.96	15.56	15.74	16.05
10	16.82	16.41	16.41	16.05	16.10	15.57	15.39	14.52	13.87	15.52	15.78	16.09
11	16.81	16.39	16.40	16.04	16.06	15.57	15.41	14.46	13.83	15.55	15.77	16.11
12	16.81	16.38	16.39	16.02	16.02	15.56	15.63	14.44	13.93	15.54	15.79	16.14
13	16.78	16.36	16.37	15.99	15.99	15.56	15.67	14.34	13.94	15.53	15.79	16.17
14	16.77	16.35	16.35	15.98	15.95	15.55	15.66	14.36	14.14	15.48	15.79	16.18
15	16.77	16.34	16.36	15.99	15.92	15.53	15.59	14.33	14.70	15.43	15.76	16.20
16	16.79	16.32	16.36	15.98	15.89	15.51	15.47	14.32	14.93	15.37	15.73	16.18
17	16.76	16.31	16.31	15.96	15.85	15.49	15.37	14.31	15.06	15.33	15.72	16.18
18	16.75	16.30	16.28	15.94	15.83	15.45	15.27	14.29	15.10	15.34	15.73	16.26
19	16.73	16.32	16.29	15.92	15.80	15.43	15.20	14.30	15.12	15.34	15.65	16.31
20	16.72	16.32	16.28	15.94	15.79	15.45	15.22	14.21	15.10	15.34	15.49	16.32
21	16.71	16.31	16.23	15.93	15.77	15.46	15.19	14.19	15.08	15.36	15.49	16.35
22	16.70	16.30	16.20	15.91	15.76	15.45	15.12	14.11	15.05	15.42	15.70	16.40
23	16.70	16.29	16.18	15.90	15.74	15.45	15.03	14.02	15.07	15.42	15.67	16.47
24	16.69	16.29	16.16	15.93	15.72	15.47	14.97	---	15.19	15.40	15.74	16.57
25	16.68	16.29	16.15	15.91	15.74	15.48	14.98	---	15.37	15.41	15.79	16.60
26	16.66	16.26	16.14	15.90	15.83	15.48	14.97	---	15.63	15.39	15.79	16.62
27	16.63	16.23	16.14	15.89	15.81	15.49	14.93	---	15.72	15.37	15.76	16.62
28	16.61	16.23	16.14	15.87	15.78	15.48	14.89	---	15.85	15.37	15.78	16.66
29	16.61	16.26	16.18	15.85	15.72	15.46	14.86	---	15.96	15.39	15.83	16.74
30	16.61	16.48	16.18	15.83	---	15.43	14.83	---	15.94	15.42	15.89	16.75
31	16.57	---	16.15	15.82	---	15.40	---	---	---	15.40	15.93	---
TOTAL	517.78	491.24	505.92	495.55	460.47	481.29	458.26	---	---	481.28	485.72	488.10
MEAN	16.70	16.37	16.32	15.99	15.88	15.53	15.28	---	---	15.53	15.67	16.27
MAX	16.82	16.55	16.50	16.16	16.13	15.66	15.67	---	---	15.99	15.93	16.75
MIN	16.56	16.23	16.14	15.82	15.72	15.40	14.83	---	---	15.33	15.33	15.96

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.19	12.90	12.79	12.51	12.36	14.08	11.93	12.17	11.70	15.05	12.99	14.99
2	13.19	12.88	12.76	12.50	12.36	13.70	11.90	12.13	11.65	15.04	12.95	15.00
3	13.18	12.87	12.73	12.48	12.36	12.83	11.93	12.10	11.63	15.08	12.90	15.03
4	13.20	12.84	12.69	12.46	12.37	12.62	11.97	12.06	11.65	15.10	12.88	15.09
5	13.22	12.83	12.69	12.46	12.43	12.50	11.96	12.04	11.67	15.09	12.86	15.10
6	13.21	12.83	12.69	12.46	12.44	12.41	11.97	12.01	11.66	15.07	12.86	15.09
7	13.20	12.83	12.68	12.45	12.40	12.35	11.95	12.02	11.66	15.06	12.88	15.08
8	13.25	12.81	12.67	12.46	12.41	12.32	11.97	12.00	11.66	15.05	12.85	14.98
9	13.29	12.78	12.66	12.46	12.41	12.29	11.96	11.97	11.64	15.02	12.82	14.77
10	13.29	12.78	12.65	12.46	12.42	12.24	11.96	11.95	11.61	14.89	13.62	14.74
11	13.29	12.78	12.65	12.44	12.42	12.19	12.04	11.92	11.66	14.68	14.40	14.73
12	13.27	12.78	12.65	12.45	12.41	12.15	12.38	11.88	11.84	14.66	14.44	14.73
13	13.27	12.77	12.65	12.45	12.42	12.13	12.28	11.86	11.86	14.66	14.51	14.72
14	13.27	12.77	12.64	12.44	12.43	12.12	12.22	11.86	11.95	14.66	14.54	14.72
15	13.26	12.77	12.62	12.42	12.42	12.10	13.12	11.87	12.09	14.65	14.55	14.74
16	13.24	12.76	12.59	12.39	12.40	12.08	13.85	11.85	12.06	14.64	14.56	14.75
17	13.24	12.76	12.60	12.40	12.39	12.07	13.88	11.83	12.04	14.54	14.57	14.72
18	13.24	12.73	12.60	12.41	12.37	12.06	13.90	11.80	11.99	14.37	14.68	14.65
19	13.23	12.75	12.59	12.41	12.34	12.04	13.92	11.86	11.95	14.35	14.86	14.64
20	13.23	12.76	12.60	12.38	12.30	12.01	14.05	11.95	11.94	14.36	14.85	14.61
21	13.23	12.73	12.57	12.37	12.31	12.01	14.06	12.01	11.92	14.38	14.75	14.50
22	13.19	12.72	12.54	12.39	12.36	12.01	14.04	11.96	11.90	14.41	14.58	14.32
23	13.13	12.71	12.52	12.43	12.33	12.04	14.02	11.85	11.94	14.41	14.94	14.12
24	13.09	12.67	12.51	12.43	12.29	12.05	13.69	11.79	12.04	14.40	15.38	13.75
25	13.07	12.64	12.50	12.42	12.27	12.08	12.86	11.74	12.14	14.40	15.36	13.63
26	13.04	12.64	12.50	12.42	13.00	12.02	12.63	11.78	---	14.40	15.34	13.55
27	12.99	12.65	12.51	12.43	14.06	12.00	12.47	11.94	---	14.35	15.33	13.47
28	12.95	12.66	12.51	12.43	14.08	11.99	12.35	11.96	---	13.96	15.14	13.42
29	12.93	12.69	12.54	12.42	14.08	11.99	12.28	11.86	---	13.30	14.96	13.88
30	12.93	12.87	12.52	12.41	---	11.97	12.22	11.79	---	13.14	14.97	14.50
31	12.90	---	12.50	12.37	---	11.94	---	11.74	---	13.05	14.98	---
TOTAL	408.21	382.96	390.92	385.41	364.64	380.39	381.76	369.55	---	450.22	441.30	436.02
MEAN	13.17	12.77	12.61	12.43	12.57	12.27	12.73	11.92	---	14.52	14.24	14.53
MAX	13.29	12.90	12.79	12.51	14.08	14.08	14.06	12.17	---	15.10	15.38	15.10
MIN	12.90	12.64	12.50	12.37	12.27	11.94	11.90	11.74	---	13.05	12.82	13.42

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.94	16.40	16.87	16.78	16.42	15.58	15.43	15.06	15.12	15.50	15.02	15.92
2	16.86	16.38	16.90	16.96	16.38	15.59	15.39	15.02	15.23	15.45	15.03	16.02
3	16.50	16.37	16.90	17.09	16.34	15.58	15.34	14.98	15.33	15.38	15.02	16.10
4	16.36	16.39	16.89	17.11	16.29	15.58	15.29	14.96	15.34	15.28	14.99	16.14
5	16.27	16.37	16.87	17.13	16.27	15.59	15.30	14.93	15.36	15.18	14.95	16.15
6	16.27	16.38	16.87	17.14	16.24	15.58	15.30	14.87	15.43	15.08	14.93	16.15
7	16.44	16.46	16.85	17.07	16.19	15.57	15.28	14.83	15.45	15.04	14.90	16.19
8	16.52	16.54	16.84	16.97	16.14	15.55	15.25	14.80	15.43	15.07	14.88	16.22
9	16.56	16.70	16.83	17.02	16.11	15.53	15.23	14.78	15.40	15.07	14.89	16.24
10	16.61	17.01	16.83	17.08	16.09	15.51	15.23	14.75	15.37	15.07	14.88	16.25
11	16.62	16.97	16.82	17.08	16.06	15.48	15.21	14.70	15.33	15.07	14.87	16.25
12	16.62	16.97	16.81	17.01	16.04	15.46	15.12	14.64	15.30	15.08	14.86	16.32
13	16.63	16.93	16.80	16.96	16.03	15.40	15.03	14.59	15.28	15.08	14.85	16.41
14	16.67	16.91	16.79	16.88	16.00	15.46	15.04	14.53	15.26	15.07	14.85	16.49
15	16.68	16.88	16.78	16.72	15.96	15.46	15.02	14.51	15.26	15.08	14.86	16.60
16	16.66	16.85	16.77	16.65	15.91	15.53	15.21	14.48	15.29	15.08	14.85	16.65
17	16.64	16.85	16.75	16.61	15.87	15.65	15.39	14.44	15.31	15.05	14.85	16.60
18	16.62	16.89	16.75	16.55	15.83	15.74	15.40	14.34	15.29	15.03	14.83	16.56
19	16.61	16.92	16.74	16.49	15.77	15.81	15.41	14.21	15.25	15.01	14.81	16.51
20	16.59	16.98	16.72	16.44	15.71	15.87	15.43	14.13	15.21	14.98	14.78	16.46
21	16.57	17.06	16.71	16.40	15.64	15.92	15.40	14.03	15.18	14.97	14.76	16.41
22	16.56	17.11	16.70	16.41	15.60	16.00	15.30	13.93	15.15	14.98	14.73	16.36
23	16.54	17.16	16.68	16.42	15.68	15.86	15.25	13.81	15.14	15.01	14.73	16.31
24	16.53	17.17	16.67	16.42	15.70	15.78	15.20	13.70	15.16	15.06	14.74	16.26
25	16.51	17.13	16.68	16.47	15.68	15.74	15.14	13.52	15.23	15.04	14.84	16.21
26	16.49	17.06	16.69	16.60	15.64	15.69	15.11	13.34	15.22	15.02	14.99	16.18
27	16.47	17.02	16.69	16.55	15.65	15.64	15.11	13.16	15.22	15.01	15.08	16.20
28	16.46	16.98	16.70	16.55	15.61	15.60	15.07	13.06	15.36	15.02	15.20	16.24
29	16.45	16.94	16.72	16.54	---	15.55	15.04	13.57	15.50	15.03	15.42	16.29
30	16.43	16.89	16.71	16.51	---	15.50	15.09	14.65	15.55	15.03	15.59	16.32
31	16.42	---	16.73	16.47	---	15.45	---	14.91	---	15.03	15.79	---
TOTAL	513.10	504.67	520.06	519.08	446.85	484.25	457.01	445.23	458.95	467.85	463.77	489.01
MEAN	16.55	16.82	16.78	16.74	15.96	15.62	15.23	14.36	15.30	15.09	14.96	16.30
MAX	16.94	17.17	16.90	17.14	16.42	16.00	15.43	15.06	15.55	15.50	15.79	16.65
MIN	16.27	16.37	16.67	16.40	15.60	15.40	15.02	13.06	15.12	14.97	14.73	15.92

262300080220001 HILLSBORO CANAL AT S-10-D, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.67	13.13	14.20	12.93	15.45	14.30	15.02	13.54	12.95	---	12.98	13.01
2	15.44	13.11	13.51	12.94	15.44	13.72	15.00	13.42	13.00	---	13.01	13.00
3	16.11	13.10	13.34	12.94	15.44	13.55	14.98	13.33	13.03	14.59	13.00	13.02
4	16.06	13.14	13.25	12.92	15.43	13.42	14.96	13.27	13.03	14.59	12.98	13.01
5	16.01	13.12	13.19	12.90	15.43	13.33	14.96	13.21	13.07	14.56	12.96	13.01
6	15.73	13.10	13.15	13.59	15.42	13.26	14.96	13.18	13.08	14.54	12.94	12.99
7	15.21	13.11	13.12	14.58	15.41	13.21	14.95	13.15	13.05	14.06	12.93	12.98
8	15.09	13.08	13.09	14.70	15.39	13.15	14.93	13.14	13.04	13.41	12.93	12.99
9	14.97	13.16	13.07	14.73	15.37	13.11	14.92	13.13	13.04	13.25	12.93	13.02
10	14.80	13.85	13.06	14.75	15.35	13.08	14.91	13.10	13.04	13.17	12.92	13.02
11	14.78	14.63	13.03	14.86	15.34	13.03	14.91	13.07	13.03	13.11	12.91	13.01
12	14.76	14.65	13.01	14.99	15.37	13.02	14.79	13.05	13.03	13.08	12.90	13.01
13	14.43	14.66	13.03	15.00	15.37	12.98	14.53	13.04	13.04	13.07	12.90	13.01
14	13.90	14.66	13.03	15.14	15.36	12.94	14.31	13.01	13.03	13.06	12.90	13.04
15	13.71	14.67	13.03	15.38	15.34	12.92	14.29	12.99	13.05	13.05	12.92	13.09
16	13.60	14.67	13.03	15.43	15.29	12.92	14.32	12.98	13.05	13.03	12.89	---
17	13.53	14.20	13.02	15.43	15.25	12.93	14.33	12.98	13.05	13.01	12.89	---
18	13.47	13.53	13.01	15.43	15.22	12.96	14.32	12.97	13.04	12.99	12.88	---
19	13.42	13.39	13.01	15.41	15.21	12.94	14.14	12.95	13.03	12.97	12.86	---
20	13.39	13.38	13.00	15.40	15.18	12.94	13.65	12.91	13.01	12.97	12.85	---
21	13.35	13.36	12.96	15.30	15.14	12.97	14.03	12.89	13.00	12.97	12.83	14.67
22	13.31	13.29	12.97	15.10	14.99	13.60	14.61	12.87	12.93	12.97	12.81	14.65
23	13.27	13.26	12.95	14.98	14.82	14.86	14.62	12.85	12.92	13.00	12.82	14.65
24	13.25	13.25	12.93	14.96	14.77	14.99	14.63	12.82	12.97	13.01	12.86	14.65
25	13.21	13.78	12.93	14.97	14.72	15.05	14.62	12.79	12.97	12.98	12.86	14.65
26	13.18	14.62	12.93	15.14	14.64	15.09	14.62	12.75	12.93	12.95	12.88	14.65
27	13.16	14.63	12.93	15.40	14.54	15.08	14.63	12.71	12.89	12.95	12.88	14.21
28	13.15	14.64	12.90	15.44	14.52	15.07	14.62	12.72	12.88	12.98	12.89	13.51
29	13.15	14.65	12.89	15.45	---	15.05	14.35	12.74	12.90	13.00	12.95	13.38
30	13.15	14.65	12.88	15.46	---	15.04	13.75	12.81	---	13.00	12.99	13.31
31	13.13	---	12.90	15.46	---	15.03	---	12.92	---	12.99	13.03	---
TOTAL	438.39	414.47	405.35	457.11	425.20	425.54	437.66	403.29	---	---	400.28	---
MEAN	14.14	13.82	13.08	14.75	15.19	13.73	14.59	13.01	---	---	12.91	---
MAX	16.11	14.67	14.20	15.46	15.45	15.09	15.02	13.54	---	---	13.03	---
MIN	13.13	13.08	12.88	12.90	14.52	12.92	13.65	12.71	---	---	12.81	---

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°22'16", long 80°21'00", in NW1/4 sec.14, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-C, (a 4-gated control structure), 9.6 mi west of State Road 7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-C on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream of structure S-10-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.21 ft Nov. 23, 1992; maximum downstream gage height, 15.99 ft Oct. 3; minimum upstream gage height, 12.91 ft June 24, 1992; minimum downstream gage height, 11.59 ft June 11, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.21 ft Nov. 23; maximum downstream gage height, 15.99 ft Oct. 3; minimum upstream gage height, 13.01 ft May 28; minimum downstream gage height, 12.69 ft May 27, 28.

STATION NUMBER 262200080210001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	15.22	15.18	15.82
2	---	---	---	---	---	---	---	---	---	15.24	15.13	15.84
3	---	---	---	---	---	---	---	---	---	15.24	15.08	15.85
4	---	---	---	---	---	---	---	---	---	15.18	15.03	15.86
5	---	---	---	---	---	---	---	---	---	15.15	15.08	15.88
6	---	---	---	---	---	---	---	---	---	15.12	15.26	15.90
7	---	---	---	---	---	---	---	---	---	15.05	15.29	15.91
8	---	---	---	---	---	---	---	---	15.13	15.10	15.28	15.93
9	---	---	---	---	---	---	---	---	15.25	15.35	15.26	15.95
10	---	---	---	---	---	---	---	---	15.38	15.42	15.35	15.95
11	---	---	---	---	---	---	---	---	15.42	15.46	15.42	15.95
12	---	---	---	---	---	---	---	---	15.42	15.44	15.44	15.95
13	---	---	---	---	---	---	---	---	15.39	15.34	15.43	15.95
14	---	---	---	---	---	---	---	---	15.36	15.31	15.42	15.95
15	---	---	---	---	---	---	---	---	15.32	15.28	15.41	15.95
16	---	---	---	---	---	---	---	---	15.31	15.27	15.44	15.95
17	---	---	---	---	---	---	---	---	15.32	15.23	15.44	15.95
18	---	---	---	---	---	---	---	---	15.31	15.18	15.41	15.97
19	---	---	---	---	---	---	---	---	15.39	15.22	15.39	16.04
20	---	---	---	---	---	---	---	---	15.53	15.36	15.39	16.10
21	---	---	---	---	---	---	---	---	15.62	15.37	15.45	16.15
22	---	---	---	---	---	---	---	---	15.63	15.39	15.55	16.21
23	---	---	---	---	---	---	---	---	15.67	15.46	15.62	16.26
24	---	---	---	---	---	---	---	---	15.72	15.51	15.70	16.30
25	---	---	---	---	---	---	---	---	15.56	15.57	15.74	16.36
26	---	---	---	---	---	---	---	---	15.41	15.59	15.77	16.43
27	---	---	---	---	---	---	---	---	15.33	15.51	15.81	16.49
28	---	---	---	---	---	---	---	---	15.25	15.52	15.82	16.50
29	---	---	---	---	---	---	---	---	15.20	15.44	15.82	16.50
30	---	---	---	---	---	---	---	---	15.18	15.26	15.82	16.50
31	---	---	---	---	---	---	---	---	---	15.20	15.80	---
TOTAL	---	---	---	---	---	---	---	---	---	474.98	479.03	482.35
MEAN	---	---	---	---	---	---	---	---	---	15.32	15.45	16.08
MAX	---	---	---	---	---	---	---	---	---	15.59	15.82	16.50
MIN	---	---	---	---	---	---	---	---	---	15.05	15.03	15.82

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	14.69	13.14
2	---	---	---	---	---	---	---	---	---	---	14.68	13.15
3	---	---	---	---	---	---	---	---	---	---	14.66	13.14
4	---	---	---	---	---	---	---	---	---	---	14.64	13.15
5	---	---	---	---	---	---	---	---	---	---	14.52	13.16
6	---	---	---	---	---	---	---	---	---	---	14.18	13.16
7	---	---	---	---	---	---	---	---	---	---	14.08	13.15
8	---	---	---	---	---	---	---	---	---	---	14.04	13.15
9	---	---	---	---	---	---	---	---	---	---	13.94	13.12
10	---	---	---	---	---	---	---	---	---	---	13.60	13.12
11	---	---	---	---	---	---	---	---	---	---	13.43	13.11
12	---	---	---	---	---	---	---	---	---	---	13.34	13.11
13	---	---	---	---	---	---	---	---	---	---	13.28	13.10
14	---	---	---	---	---	---	---	---	---	---	13.23	13.09
15	---	---	---	---	---	---	---	---	---	---	13.20	13.08
16	---	---	---	---	---	---	---	---	---	---	13.17	13.08
17	---	---	---	---	---	---	---	---	---	---	13.17	13.08
18	---	---	---	---	---	---	---	---	---	---	13.17	13.10
19	---	---	---	---	---	---	---	---	---	---	13.15	13.10
20	---	---	---	---	---	---	---	---	---	---	13.14	13.10
21	---	---	---	---	---	---	---	---	---	---	13.14	13.11
22	---	---	---	---	---	---	---	---	---	---	13.18	13.11
23	---	---	---	---	---	---	---	---	---	---	13.21	13.11
24	---	---	---	---	---	---	---	---	---	---	13.20	13.11
25	---	---	---	---	---	---	---	---	---	---	13.20	13.11
26	---	---	---	---	---	---	---	---	---	---	13.19	13.13
27	---	---	---	---	---	---	---	---	---	---	13.18	13.13
28	---	---	---	---	---	---	---	---	---	---	13.17	13.12
29	---	---	---	---	---	---	---	---	---	---	13.18	13.12
30	---	---	---	---	---	---	---	---	---	---	13.17	13.12
31	---	---	---	---	---	---	---	---	---	14.68	13.15	---
TOTAL	---	---	---	---	---	---	---	---	---	---	420.28	393.56
MEAN	---	---	---	---	---	---	---	---	---	---	13.56	13.12
MAX	---	---	---	---	---	---	---	---	---	---	14.69	13.16
MIN	---	---	---	---	---	---	---	---	---	---	13.14	13.08

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.54	16.55	16.49	16.15	15.82	15.68	---	14.80	13.02	15.68	15.38	15.55
2	16.56	16.53	16.48	16.16	15.79	15.62	---	14.76	13.04	15.60	15.36	15.56
3	16.59	16.51	16.46	16.15	15.77	15.62	15.40	14.73	12.96	15.59	15.34	15.58
4	16.64	16.53	16.49	16.13	15.74	15.61	15.43	14.69	13.21	15.57	15.35	15.66
5	16.66	16.52	16.50	16.11	15.84	15.60	15.42	14.65	13.75	15.53	15.43	15.69
6	16.67	16.49	16.48	16.10	16.02	15.60	15.39	14.60	14.04	15.47	15.51	15.68
7	16.69	16.48	16.46	16.09	16.12	15.60	15.37	14.63	14.14	15.41	15.58	15.66
8	16.76	16.47	16.44	16.08	16.13	15.62	15.42	14.63	14.06	15.37	15.64	15.70
9	16.80	16.45	16.42	16.06	16.11	15.60	15.40	14.59	13.97	15.32	15.69	15.82
10	16.81	16.42	16.41	16.05	16.10	15.57	15.38	14.54	13.88	15.31	15.71	15.85
11	16.81	16.40	16.39	16.05	16.07	15.58	15.41	---	13.84	15.40	15.66	15.88
12	16.80	16.38	16.38	16.02	16.03	15.57	15.63	---	13.94	15.38	15.67	15.92
13	16.78	16.36	16.36	15.99	15.99	15.57	15.65	---	13.96	15.36	15.62	15.95
14	16.76	16.35	16.34	15.98	15.95	15.56	15.66	---	14.12	15.34	15.61	15.97
15	16.76	16.33	16.36	15.99	15.92	15.55	15.61	14.32	14.61	15.29	15.59	16.00
16	16.78	16.32	16.37	15.99	15.89	15.53	15.50	14.31	14.85	15.23	15.57	15.99
17	16.76	16.31	16.31	15.96	15.85	15.52	15.39	14.30	15.01	15.22	15.56	16.02
18	16.74	16.29	16.28	15.94	15.83	15.50	15.29	14.28	15.09	15.28	15.51	16.13
19	16.73	16.31	16.29	15.92	15.80	15.50	15.22	14.26	15.12	15.29	15.36	16.18
20	16.72	16.31	16.26	15.95	15.79	15.50	15.23	14.19	15.11	15.30	15.27	16.19
21	16.70	16.31	16.22	15.94	15.77	15.51	15.20	14.16	15.09	15.32	15.31	16.27
22	16.69	16.30	16.20	15.90	15.76	15.50	15.14	14.10	15.06	15.38	15.55	16.37
23	16.69	16.29	16.18	15.89	15.73	15.50	15.06	14.00	15.08	15.38	15.46	16.45
24	16.67	16.30	16.15	15.94	15.71	15.51	14.98	13.89	15.19	15.37	15.39	16.53
25	16.66	16.30	16.15	15.93	15.72	15.52	14.98	13.80	15.36	15.37	15.40	16.56
26	16.65	16.26	16.14	15.91	15.82	15.53	14.97	13.72	15.60	15.35	15.37	16.58
27	16.63	16.23	16.14	15.89	15.82	15.54	14.95	13.55	15.67	15.35	15.35	16.59
28	16.62	16.22	16.14	15.86	15.80	15.52	14.91	13.53	15.80	15.38	15.37	16.63
29	16.61	16.25	16.18	15.85	15.74	15.50	14.87	13.45	15.86	15.39	15.43	16.71
30	16.60	16.48	16.18	15.83	---	---	14.83	13.26	15.79	15.41	15.48	16.73
31	16.57	---	16.16	15.84	---	---	---	13.08	---	15.40	15.52	---
TOTAL	517.45	491.25	505.81	495.65	460.43	---	---	---	436.22	477.04	480.04	482.40
MEAN	16.69	16.37	16.32	15.99	15.88	---	---	---	14.54	15.39	15.49	16.08
MAX	16.81	16.55	16.50	16.16	16.13	---	---	---	15.86	15.68	15.71	16.73
MIN	16.54	16.22	16.14	15.83	15.71	---	---	---	12.96	15.22	15.27	15.55

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.14	12.86	12.80	12.50	12.38	13.87	11.99	12.20	11.71	14.89	13.00	14.99
2	13.15	12.85	12.76	12.51	12.37	13.59	11.96	12.16	11.65	14.88	12.96	15.00
3	13.14	12.83	12.74	12.49	12.36	12.82	11.96	12.13	11.64	14.91	12.91	15.03
4	13.15	12.81	12.71	12.47	12.36	12.61	12.00	12.09	11.67	14.93	12.89	15.11
5	13.15	12.79	12.69	12.46	12.39	12.49	11.99	12.06	11.69	14.92	12.87	15.13
6	13.15	12.79	12.69	12.46	12.45	12.40	11.99	12.04	11.68	14.91	12.87	15.12
7	13.15	12.79	12.68	12.45	12.42	12.34	11.98	12.06	11.68	14.90	12.90	15.11
8	13.17	12.78	12.67	12.45	12.41	12.32	12.00	12.04	11.67	14.89	12.86	15.01
9	13.21	12.76	12.66	12.46	12.40	12.28	11.99	12.01	11.65	14.86	12.83	14.80
10	13.23	12.74	12.66	12.46	12.42	12.24	11.98	11.98	11.62	14.76	13.56	14.76
11	13.23	12.74	12.66	12.44	12.42	12.20	12.07	11.95	11.66	14.56	14.27	14.74
12	13.22	12.73	12.66	12.44	12.42	12.15	12.41	11.92	11.85	14.53	14.35	14.74
13	13.21	12.73	12.65	12.44	12.42	12.13	12.32	11.90	11.87	14.53	14.44	14.75
14	13.21	12.72	12.64	12.44	12.42	12.12	12.25	11.90	11.96	14.53	14.48	14.76
15	13.20	12.72	12.63	12.43	12.42	12.10	13.09	11.90	12.10	14.52	14.51	14.78
16	13.19	12.72	12.61	12.41	12.39	12.08	13.87	11.88	12.07	14.50	14.52	14.77
17	13.18	12.72	12.60	12.40	12.36	12.09	13.88	11.86	12.05	14.42	14.51	14.70
18	13.19	12.72	12.60	12.40	12.35	12.11	13.88	11.83	12.00	14.24	14.61	14.59
19	13.19	12.74	12.59	12.40	12.33	12.09	13.88	11.89	11.96	14.22	14.80	14.56
20	13.18	12.77	12.59	12.39	12.29	12.08	13.89	11.98	11.95	14.22	14.80	14.53
21	13.18	12.75	12.57	12.37	12.27	12.06	13.87	12.04	11.93	14.24	14.71	14.39
22	13.16	12.74	12.55	12.37	12.32	12.07	13.86	11.99	11.91	14.27	14.51	14.20
23	13.09	12.73	12.52	12.40	12.32	12.10	13.86	11.89	11.95	14.26	14.79	14.06
24	13.05	12.71	12.51	12.44	12.28	12.10	13.61	11.83	12.04	14.26	15.27	13.74
25	13.03	12.67	12.50	12.42	12.26	12.12	12.89	11.78	12.15	14.26	15.28	13.62
26	13.00	12.66	12.50	12.42	12.89	12.08	12.67	11.82	13.09	14.26	15.26	13.54
27	12.96	12.66	12.50	12.41	13.84	12.06	12.51	11.98	14.13	14.20	15.25	13.47
28	12.92	12.67	12.50	12.42	13.86	12.05	12.39	11.99	14.19	13.88	15.11	13.43
29	12.90	12.68	12.54	12.43	13.87	12.04	12.31	11.89	14.36	---	14.97	13.74
30	12.90	12.85	12.53	12.42	---	12.03	12.25	11.82	14.76	---	14.96	14.21
31	12.87	---	12.51	12.40	---	12.00	---	11.77	---	---	14.97	---
TOTAL	406.70	382.43	391.02	385.40	363.69	380.82	381.60	370.58	366.64	---	440.02	435.38
MEAN	13.12	12.75	12.61	12.43	12.54	12.28	12.72	11.95	12.22	---	14.19	14.51
MAX	13.23	12.86	12.80	12.51	13.87	13.87	13.89	12.20	14.76	---	15.28	15.13
MIN	12.87	12.66	12.50	12.37	12.26	12.00	11.96	11.77	11.62	---	12.83	13.43

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.87	16.42	16.92	16.81	16.34	15.61	15.37	15.05	15.03	15.50	15.02	15.83
2	16.69	16.40	16.92	16.94	16.31	15.61	15.34	15.00	15.19	15.45	15.04	15.94
3	16.29	16.38	16.92	17.06	16.27	15.59	15.30	14.96	15.31	15.37	15.02	16.03
4	16.16	16.40	16.91	17.09	16.23	15.61	15.25	14.95	15.34	15.28	14.98	16.09
5	16.09	16.40	16.90	17.12	16.22	15.62	15.25	14.92	15.36	15.18	14.94	16.12
6	16.10	16.40	16.89	17.15	16.20	15.61	15.26	14.87	15.44	15.08	14.92	16.13
7	16.34	16.48	16.87	17.08	16.16	15.59	15.24	14.82	15.45	15.04	14.90	16.16
8	16.47	16.55	16.87	16.97	16.11	15.58	15.20	14.79	15.43	15.07	14.88	16.18
9	16.57	16.70	16.86	17.02	16.08	15.55	15.17	14.78	15.40	15.07	14.88	16.22
10	16.64	17.02	16.84	17.07	16.06	15.52	15.18	14.75	15.36	15.07	14.88	16.24
11	16.65	16.98	16.85	17.02	16.02	15.50	15.16	14.70	15.33	15.07	14.86	16.24
12	16.66	16.97	16.85	16.91	16.00	15.47	15.11	14.65	15.30	15.08	14.86	16.29
13	16.66	16.96	16.83	16.86	16.00	15.46	15.05	14.60	15.28	15.08	14.85	16.36
14	16.69	16.96	16.81	16.80	15.97	15.54	15.06	14.54	15.26	15.07	14.86	16.45
15	16.69	16.94	16.80	16.64	15.93	15.52	15.04	14.52	15.27	15.08	14.87	16.57
16	16.68	16.91	16.79	16.57	15.88	15.53	15.23	14.48	15.28	15.08	14.86	16.63
17	16.66	16.88	16.78	16.53	15.86	15.64	15.42	14.44	15.30	15.06	14.85	16.61
18	16.64	16.91	16.77	16.47	15.83	15.77	15.43	14.34	15.28	15.04	14.84	16.58
19	16.64	16.93	16.76	16.41	15.77	15.84	15.44	14.22	15.25	15.01	14.81	16.54
20	16.61	16.98	16.74	16.35	15.70	15.89	15.45	14.14	15.21	14.99	14.79	16.49
21	16.58	17.05	16.73	16.32	15.63	15.95	15.42	14.04	15.17	14.97	14.76	16.45
22	16.57	17.09	16.72	16.36	15.59	16.01	15.34	13.94	15.14	14.97	14.74	16.40
23	16.56	17.16	16.70	16.38	15.69	15.84	15.28	13.80	15.13	15.01	14.73	16.35
24	16.55	17.18	16.69	16.37	15.72	15.73	15.20	13.68	15.15	15.06	14.74	16.30
25	16.54	17.16	16.70	16.42	15.69	15.68	15.15	13.51	15.20	15.04	14.80	16.25
26	16.51	17.09	16.71	16.52	15.66	15.61	15.14	13.33	15.22	15.02	14.94	16.23
27	16.49	17.06	16.71	16.48	15.68	15.58	15.14	13.15	15.22	15.01	15.04	16.22
28	16.48	17.04	16.73	16.47	15.66	15.54	15.09	13.06	15.32	15.02	15.16	16.24
29	16.47	17.00	16.75	16.45	---	15.49	15.02	13.46	15.48	15.03	15.37	16.29
30	16.46	16.95	16.74	16.42	---	15.43	15.07	14.46	15.53	15.03	15.54	16.32
31	16.44	---	16.75	16.39	---	15.40	---	14.79	---	15.03	15.71	---
TOTAL	512.45	505.35	520.81	517.45	446.26	484.31	456.80	444.74	458.63	467.86	463.44	488.75
MEAN	16.53	16.84	16.80	16.69	15.94	15.62	15.23	14.35	15.29	15.09	14.95	16.29
MAX	16.87	17.18	16.92	17.15	16.34	16.01	15.45	15.05	15.53	15.50	15.71	16.63
MIN	16.09	16.38	16.69	16.32	15.59	15.40	15.02	13.06	15.03	14.97	14.73	15.83

262200080210001 HILLSBORO CANAL AT S-10-C, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.47	13.12	14.06	12.92	15.41	14.22	14.98	13.54	12.96	14.17	13.00	13.02
2	15.28	13.11	13.50	12.92	15.41	13.72	14.96	13.43	13.01	14.31	13.03	13.02
3	15.98	13.09	13.34	12.93	15.41	13.54	14.94	13.34	13.05	14.44	13.01	13.04
4	15.96	13.13	13.25	12.91	15.40	13.42	14.92	13.27	13.04	14.45	12.99	13.03
5	15.92	13.11	13.19	12.89	15.39	13.33	14.93	13.22	13.07	14.44	12.98	13.03
6	15.71	13.10	13.15	13.47	15.39	13.26	14.93	13.19	13.07	14.43	12.96	13.01
7	15.20	13.11	13.11	14.39	15.37	13.21	14.92	13.16	13.04	14.02	12.94	13.00
8	15.03	13.09	13.09	14.58	15.35	13.15	14.90	13.14	13.03	13.43	12.94	13.01
9	14.87	13.15	13.07	14.62	15.34	13.11	14.89	13.13	13.03	13.27	12.94	13.03
10	14.65	13.71	13.06	14.65	15.31	13.07	14.89	13.11	13.03	13.19	12.94	13.03
11	14.61	14.32	13.03	14.79	15.29	13.03	14.88	13.08	13.02	13.14	12.93	13.01
12	14.59	14.35	13.02	14.97	15.34	13.00	14.77	13.07	13.03	13.10	12.92	13.01
13	14.34	14.36	13.03	15.00	15.34	12.99	14.49	13.05	13.03	13.09	12.91	13.01
14	13.88	14.37	13.02	15.10	15.33	12.95	14.25	13.03	13.02	13.08	12.92	13.05
15	13.69	14.38	13.02	15.33	15.31	12.92	14.21	13.00	13.04	13.07	12.94	13.09
16	13.59	14.39	13.03	15.38	15.25	12.90	14.25	12.99	13.04	13.05	12.91	13.53
17	13.52	14.06	13.01	15.37	15.21	12.91	14.25	12.98	13.04	13.03	12.91	14.25
18	13.47	13.52	13.01	15.36	15.19	12.96	14.23	12.97	13.03	13.01	12.90	14.27
19	13.42	13.38	13.01	15.35	15.17	12.94	14.09	12.95	13.02	12.99	12.88	14.28
20	13.38	13.36	12.99	15.33	15.14	12.93	13.66	12.92	13.00	12.98	12.87	14.29
21	13.35	13.35	12.95	15.24	15.10	12.96	14.03	12.90	13.00	12.99	12.85	14.30
22	13.30	13.28	12.96	15.05	14.96	13.69	14.53	12.87	12.97	12.99	12.83	14.31
23	13.27	13.25	12.94	14.93	14.79	14.75	14.55	12.86	12.95	13.01	12.84	14.32
24	13.25	13.24	12.92	14.91	14.72	14.91	14.56	12.82	12.99	13.03	12.88	14.33
25	13.21	13.64	12.92	14.93	14.66	14.98	14.55	12.79	12.99	13.00	12.88	14.34
26	13.18	14.33	12.92	15.10	14.57	15.03	14.56	12.76	12.95	12.97	12.89	14.34
27	13.16	14.35	12.91	15.36	14.42	15.03	14.57	12.72	12.91	12.97	12.89	14.06
28	13.15	14.37	12.89	15.40	14.39	15.02	14.56	12.72	12.90	13.00	12.91	13.50
29	13.15	14.38	12.88	15.41	---	15.01	14.33	12.74	12.92	13.02	12.97	13.38
30	13.14	14.38	12.87	15.42	---	14.99	13.75	12.82	13.52	13.02	13.01	13.31
31	13.13	---	12.89	15.42	---	14.99	---	12.92	---	13.01	13.05	---
TOTAL	436.85	410.78	405.04	455.43	423.96	424.92	436.33	403.49	390.70	413.70	400.82	406.20
MEAN	14.09	13.69	13.07	14.69	15.14	13.71	14.54	13.02	13.02	13.35	12.93	13.54
MAX	15.98	14.39	14.06	15.42	15.41	15.03	14.98	13.54	13.52	14.45	13.05	14.34
MIN	13.13	13.09	12.87	12.89	14.39	12.90	13.66	12.72	12.90	12.97	12.83	13.00

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

LOCATION.--Lat 26°21'32", long 80°18'37", in NE1/4 sec.24, T.47 S., R.40 E., Palm Beach County, Hydrologic Unit 03090202, on Hillsboro Canal on the north bank of the spillway 200 ft northeast of S-10-A a 4-gated control structure, 6.9 mi west of State Road 7 (US 441) on Hillsboro Boulevard. The auxiliary stage recorder is located approximately 20 yards downstream of S-10-A on the south bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders above and below structure S-10-A. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-39 which regulates flow for Conservation Areas 1 and 2A. Gage records are primarily used to determine stages.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 17.16 ft Nov. 23, 24, 1992; maximum downstream gage height, 15.30 ft Jan. 16, 1993; minimum upstream gage height, 12.86 ft June 4, 1992; minimum downstream gage height, 11.60 ft June 11, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 17.16 ft Nov. 23, 24; maximum downstream gage height, 15.30 ft Jan. 16; minimum upstream gage height, 13.00 ft May 28; minimum downstream gage height, 12.67 ft May 27, 28.

STATION NUMBER 262100080190001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	15.21	15.17	---
2	---	---	---	---	---	---	---	---	---	15.22	15.12	---
3	---	---	---	---	---	---	---	---	---	15.22	15.06	---
4	---	---	---	---	---	---	---	---	---	15.17	15.01	---
5	---	---	---	---	---	---	---	---	---	15.14	15.05	---
6	---	---	---	---	---	---	---	---	---	15.09	15.25	15.90
7	---	---	---	---	---	---	---	---	15.03	15.01	15.29	15.91
8	---	---	---	---	---	---	---	---	15.14	15.03	15.26	15.94
9	---	---	---	---	---	---	---	---	15.27	15.29	15.23	15.95
10	---	---	---	---	---	---	---	---	15.38	15.38	15.31	15.94
11	---	---	---	---	---	---	---	---	15.42	15.42	15.37	15.95
12	---	---	---	---	---	---	---	---	15.44	15.41	15.41	15.95
13	---	---	---	---	---	---	---	---	15.42	15.31	15.40	15.95
14	---	---	---	---	---	---	---	---	15.39	15.28	15.38	15.95
15	---	---	---	---	---	---	---	---	15.35	15.25	15.37	15.95
16	---	---	---	---	---	---	---	---	15.33	15.24	15.39	15.95
17	---	---	---	---	---	---	---	---	15.34	15.20	15.40	15.95
18	---	---	---	---	---	---	---	---	15.34	15.14	---	15.97
19	---	---	---	---	---	---	---	---	15.39	15.17	---	16.03
20	---	---	---	---	---	---	---	---	15.51	15.32	---	16.08
21	---	---	---	---	---	---	---	---	15.60	15.33	---	16.14
22	---	---	---	---	---	---	---	---	15.63	15.35	---	16.21
23	---	---	---	---	---	---	---	---	15.69	15.41	---	16.24
24	---	---	---	---	---	---	---	---	15.75	15.46	---	16.28
25	---	---	---	---	---	---	---	---	15.58	15.51	---	16.34
26	---	---	---	---	---	---	---	---	15.44	15.57	---	16.41
27	---	---	---	---	---	---	---	---	15.35	15.59	15.81	16.47
28	---	---	---	---	---	---	---	---	15.27	15.61	15.82	16.49
29	---	---	---	---	---	---	---	---	15.21	15.53	15.83	16.48
30	---	---	---	---	---	---	---	---	15.19	15.29	15.82	16.49
31	---	---	---	---	---	---	---	---	---	15.21	15.81	---
TOTAL	---	---	---	---	---	---	---	---	---	474.36	---	---
MEAN	---	---	---	---	---	---	---	---	---	15.30	---	---
MAX	---	---	---	---	---	---	---	---	---	15.61	---	---
MIN	---	---	---	---	---	---	---	---	---	15.01	---	---

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	14.69	14.70	13.16
2	---	---	---	---	---	---	---	---	---	14.71	14.69	13.17
3	---	---	---	---	---	---	---	---	---	14.76	14.67	13.16
4	---	---	---	---	---	---	---	---	---	14.82	14.65	13.18
5	---	---	---	---	---	---	---	---	---	14.81	14.47	13.17
6	---	---	---	---	---	---	---	---	---	14.80	14.09	13.16
7	---	---	---	---	---	---	---	---	12.88	14.77	14.02	13.16
8	---	---	---	---	---	---	---	---	12.92	14.62	13.99	13.16
9	---	---	---	---	---	---	---	---	13.00	14.16	13.87	13.13
10	---	---	---	---	---	---	---	---	12.98	14.05	13.57	13.13
11	---	---	---	---	---	---	---	---	12.94	14.00	13.41	13.13
12	---	---	---	---	---	---	---	---	12.93	14.10	13.33	13.13
13	---	---	---	---	---	---	---	---	12.92	14.40	13.27	13.12
14	---	---	---	---	---	---	---	---	12.90	14.45	13.23	13.11
15	---	---	---	---	---	---	---	---	12.89	14.47	13.20	13.10
16	---	---	---	---	---	---	---	---	12.90	14.48	13.18	13.10
17	---	---	---	---	---	---	---	---	12.93	14.47	13.17	13.10
18	---	---	---	---	---	---	---	---	12.93	14.45	13.17	13.12
19	---	---	---	---	---	---	---	---	12.93	14.28	13.15	13.12
20	---	---	---	---	---	---	---	---	12.95	13.72	13.15	13.12
21	---	---	---	---	---	---	---	---	13.20	13.47	13.18	13.12
22	---	---	---	---	---	---	---	---	13.72	13.32	13.22	13.12
23	---	---	---	---	---	---	---	---	13.78	13.21	13.21	13.12
24	---	---	---	---	---	---	---	---	13.97	13.16	---	13.13
25	---	---	---	---	---	---	---	---	14.43	13.15	---	13.13
26	---	---	---	---	---	---	---	---	14.64	13.43	---	13.15
27	---	---	---	---	---	---	---	---	14.65	13.99	13.19	13.14
28	---	---	---	---	---	---	---	---	14.65	14.07	13.19	13.13
29	---	---	---	---	---	---	---	---	14.65	14.31	13.19	13.12
30	---	---	---	---	---	---	---	---	14.66	14.66	13.18	13.12
31	---	---	---	---	---	---	---	---	---	14.68	13.16	---
TOTAL	---	---	---	---	---	---	---	---	---	440.46	---	394.01
MEAN	---	---	---	---	---	---	---	---	---	14.21	---	13.13
MAX	---	---	---	---	---	---	---	---	---	14.82	---	13.18
MIN	---	---	---	---	---	---	---	---	---	13.15	---	13.10

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.54	16.55	16.49	16.14	15.81	15.69	15.38	14.78	12.97	15.71	15.38	15.63
2	16.55	16.53	16.47	16.16	15.78	15.62	15.36	14.75	12.95	15.67	15.35	15.63
3	16.58	16.51	16.46	16.15	15.75	15.61	15.40	14.72	12.93	15.65	15.34	15.65
4	16.62	16.53	16.49	16.14	15.72	15.59	15.44	14.68	13.06	15.63	15.35	15.72
5	16.65	16.52	16.50	16.11	15.80	15.58	15.42	14.64	13.61	15.60	15.42	15.74
6	16.66	16.50	16.48	16.09	15.97	15.57	15.37	14.59	13.91	15.55	15.50	15.74
7	16.69	16.48	16.46	16.08	16.09	15.58	15.35	14.60	14.05	15.49	15.57	15.73
8	16.76	16.47	16.44	16.06	16.11	15.61	15.41	14.61	14.03	15.43	15.62	15.74
9	16.79	16.47	16.43	16.05	16.09	15.59	15.39	14.56	13.95	15.37	15.67	15.84
10	16.81	16.43	16.42	16.04	16.08	15.55	15.36	14.50	13.85	15.34	15.71	15.88
11	16.81	16.41	16.40	16.04	16.06	15.56	15.40	14.44	---	15.39	15.71	15.91
12	16.81	16.39	16.38	16.00	16.02	15.55	15.63	14.39	---	15.38	15.68	15.95
13	16.78	16.38	16.37	15.97	15.97	15.55	15.65	14.32	---	15.37	15.60	15.98
14	16.76	16.36	16.35	15.97	15.93	15.54	15.65	14.29	---	15.35	15.60	16.00
15	16.75	16.34	16.37	15.98	15.90	15.52	15.61	14.30	---	15.30	15.58	16.03
16	16.79	16.33	16.38	15.98	15.87	15.50	15.50	14.29	14.73	15.24	15.56	16.03
17	16.76	16.32	16.33	15.94	15.84	15.46	15.40	14.28	14.92	15.22	15.55	16.07
18	16.74	16.29	16.30	15.91	15.81	15.42	15.31	14.26	15.03	15.30	15.52	16.20
19	16.73	16.32	16.30	15.90	15.78	15.41	15.24	14.21	15.08	15.32	15.40	16.26
20	16.71	16.32	16.25	---	15.77	15.47	15.24	14.16	15.09	15.33	15.32	16.28
21	16.70	16.32	16.22	15.92	15.75	15.47	15.21	14.11	15.08	15.37	15.34	16.31
22	16.69	16.31	16.21	15.88	---	15.43	15.15	14.07	15.05	15.42	15.57	16.38
23	16.68	16.29	16.19	15.87	15.71	15.45	15.07	13.97	15.07	15.41	15.49	16.45
24	16.66	16.31	16.17	15.93	15.70	15.47	14.99	13.87	15.17	15.41	15.39	16.52
25	16.65	16.31	---	15.91	15.70	15.45	14.97	13.77	15.32	15.39	15.43	16.54
26	16.63	16.28	---	15.89	15.81	15.50	14.97	13.70	15.56	15.38	15.41	16.56
27	16.62	16.24	---	15.86	15.84	15.51	14.96	13.53	15.67	15.37	15.39	16.58
28	16.60	16.22	---	15.84	15.81	15.47	14.93	13.47	15.80	15.36	15.43	16.62
29	16.61	16.25	---	15.83	15.76	15.43	14.87	13.42	15.86	15.36	15.51	16.69
30	16.59	16.49	---	15.82	---	15.41	14.82	13.22	15.80	15.38	15.56	16.73
31	16.57	---	---	15.83	---	15.41	---	13.04	---	15.39	15.60	---
TOTAL	517.29	491.47	---	---	---	480.97	458.45	439.54	---	477.88	480.55	483.39
MEAN	16.69	16.38	---	---	---	15.52	15.28	14.18	---	15.42	15.50	16.11
MAX	16.81	16.55	---	---	---	15.69	15.65	14.78	---	15.71	15.71	16.73
MIN	16.54	16.22	---	---	---	15.41	14.82	13.04	---	15.22	15.32	15.63

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.15	12.85	12.76	12.50	12.38	13.63	11.95	12.18	11.71	14.74	12.98	14.93
2	13.15	12.84	12.73	12.51	12.35	13.45	11.93	12.14	11.66	14.74	12.93	14.94
3	13.15	12.82	12.72	12.49	12.35	12.83	11.95	12.11	11.64	14.78	12.89	14.98
4	13.15	12.80	12.70	12.47	12.34	12.62	11.99	12.07	11.67	14.79	12.87	15.04
5	13.16	12.79	12.68	12.45	12.42	12.50	11.97	12.04	11.68	14.80	12.85	15.05
6	13.16	12.79	12.67	12.45	12.46	12.41	11.95	12.03	11.68	14.79	12.85	15.03
7	13.15	12.78	12.66	12.45	12.42	12.35	11.95	12.06	11.67	14.78	12.87	15.02
8	13.19	12.78	12.65	12.45	12.41	12.33	11.98	12.02	11.66	14.76	12.84	14.93
9	13.23	12.75	12.64	12.45	12.40	12.28	11.96	11.99	11.64	14.74	12.81	14.72
10	13.24	12.74	12.64	12.45	12.41	12.25	11.95	11.95	11.62	14.66	13.27	14.68
11	13.24	12.74	12.64	12.43	12.41	12.22	12.03	11.92	---	14.46	13.84	14.66
12	13.22	12.73	12.63	12.43	12.41	12.17	12.39	11.89	---	14.42	14.06	14.66
13	13.21	12.73	12.63	12.43	12.41	12.15	12.30	11.88	---	14.42	14.31	14.67
14	13.21	12.72	12.63	12.44	12.41	12.14	12.22	11.87	---	14.42	14.37	14.67
15	13.20	12.72	12.61	12.42	12.41	12.12	12.87	11.87	---	14.41	14.40	14.70
16	13.20	12.72	12.59	12.40	12.39	12.09	13.56	11.85	12.07	14.40	14.41	14.70
17	13.18	12.71	12.58	12.39	12.37	12.07	13.59	11.82	12.04	14.30	14.41	14.59
18	13.18	12.71	12.59	12.39	12.35	12.06	13.60	11.80	12.00	14.05	14.50	14.43
19	13.18	12.75	12.57	12.40	12.33	12.06	13.61	11.85	11.96	13.99	14.70	14.39
20	13.17	12.75	12.55	---	12.29	12.07	13.63	11.95	11.94	13.98	14.72	14.36
21	13.17	12.73	12.55	12.36	12.30	12.03	13.63	12.01	11.93	14.00	14.60	14.27
22	13.13	12.73	12.53	12.36	---	12.02	13.63	11.96	11.90	14.02	14.31	14.12
23	13.06	12.72	12.51	12.40	12.32	12.06	13.63	11.87	11.94	14.01	14.61	14.01
24	13.02	12.70	12.50	12.44	12.28	12.06	13.47	11.80	12.04	14.01	15.15	13.73
25	13.00	12.66	---	12.42	12.27	12.05	12.87	11.76	12.14	14.01	15.21	13.61
26	12.98	12.66	---	12.41	12.78	12.05	12.66	11.79	12.83	14.01	15.19	13.53
27	12.94	12.66	---	12.41	13.59	12.02	12.50	11.95	13.69	13.98	15.18	13.46
28	12.90	12.65	---	12.41	13.62	12.00	12.39	11.97	13.77	13.76	15.05	13.42
29	12.89	12.68	---	12.41	13.63	11.99	12.30	11.86	13.99	13.30	14.91	13.64
30	12.87	12.83	---	12.41	---	11.98	12.23	11.79	14.53	13.15	14.90	14.04
31	12.86	---	---	12.40	---	11.97	---	11.75	---	13.05	14.91	---
TOTAL	406.54	382.24	---	---	---	380.03	378.69	369.80	---	441.73	436.90	432.98
MEAN	13.11	12.74	---	---	---	12.26	12.62	11.93	---	14.25	14.09	14.43
MAX	13.24	12.85	---	---	---	13.63	13.63	12.18	---	14.80	15.21	15.05
MIN	12.86	12.65	---	---	---	11.97	11.93	11.75	---	13.05	12.81	13.42

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.90	16.41	16.92	---	16.36	15.59	15.34	15.03	14.99	15.51	15.03	15.76
2	16.75	16.39	16.91	---	16.31	15.58	15.32	14.98	---	15.48	15.05	15.88
3	16.35	16.37	16.91	---	16.26	15.55	15.26	14.95	---	15.43	15.02	15.99
4	16.24	16.39	16.90	---	16.22	15.59	15.19	14.94	---	15.34	14.99	16.06
5	16.17	16.39	16.89	---	16.21	15.60	15.21	14.91	---	15.23	14.95	16.10
6	16.19	16.39	16.88	---	16.18	15.58	15.22	14.86	---	15.13	14.93	16.12
7	16.43	16.47	16.86	---	16.15	15.56	15.20	14.81	---	15.06	14.90	16.15
8	16.53	16.53	16.85	---	16.10	15.55	15.15	14.77	---	15.08	14.89	16.18
9	16.57	16.68	16.84	---	16.07	15.52	15.11	14.76	15.39	15.08	14.89	16.22
10	16.63	17.00	16.83	---	16.04	15.48	15.14	14.73	15.36	15.08	14.89	16.25
11	16.64	16.96	16.86	---	15.99	15.47	15.12	14.68	15.33	15.08	14.87	16.25
12	16.66	16.97	16.84	---	16.00	15.42	15.06	14.63	15.31	15.09	14.86	16.28
13	16.65	16.96	16.81	16.89	16.00	15.47	15.02	14.59	15.29	15.09	14.86	16.34
14	16.67	16.98	16.79	16.81	15.96	15.52	15.02	14.54	15.26	15.08	14.87	16.43
15	16.67	16.96	16.78	16.62	15.90	15.48	15.00	14.51	15.27	15.09	14.89	16.54
16	16.66	16.92	16.76	16.56	15.85	15.46	15.22	14.48	15.28	15.09	14.87	16.61
17	16.64	16.88	16.76	16.53	15.82	15.59	15.40	14.43	15.30	15.07	14.86	16.61
18	16.63	16.91	16.76	16.47	15.80	15.73	15.40	14.31	15.28	15.04	14.84	16.58
19	16.63	16.93	16.74	16.41	15.74	15.80	15.41	14.20	15.24	15.03	14.82	16.55
20	16.58	16.95	16.72	16.35	15.67	15.85	15.41	14.13	15.19	15.00	14.80	16.50
21	16.55	17.02	16.71	16.30	15.59	15.92	15.41	14.03	15.17	14.98	14.78	16.46
22	16.55	17.05	16.70	16.34	15.56	15.98	15.36	13.92	15.14	14.99	14.75	16.42
23	16.55	17.13	16.68	16.36	15.66	15.80	15.30	13.76	15.13	15.03	14.75	16.37
24	16.54	17.15	16.67	16.34	15.68	15.69	15.20	13.66	---	15.07	14.74	16.33
25	16.52	17.14	16.68	16.40	15.64	15.64	15.14	13.47	---	15.04	14.79	16.28
26	16.50	17.09	16.71	16.50	15.62	15.57	15.13	13.31	---	15.03	14.93	16.25
27	16.48	17.06	16.71	16.49	15.67	15.54	15.14	13.13	---	15.02	15.03	16.24
28	16.47	17.05	16.71	16.46	15.64	15.50	15.09	13.04	---	15.03	15.15	16.25
29	16.46	17.01	---	16.44	---	15.45	15.03	13.40	---	15.05	15.35	16.30
30	16.44	16.96	---	16.42	---	15.39	15.06	14.36	15.53	15.05	15.50	16.33
31	16.43	---	---	16.39	---	15.35	---	14.73	---	15.05	15.66	---
TOTAL	512.68	505.10	---	---	445.69	483.22	456.06	444.05	---	468.42	463.51	488.63
MEAN	16.54	16.84	---	---	15.92	15.59	15.20	14.32	---	15.11	14.95	16.29
MAX	16.90	17.15	---	---	16.36	15.98	15.41	15.03	---	15.51	15.66	16.61
MIN	16.17	16.37	---	---	15.56	15.35	15.00	13.04	---	14.98	14.74	15.76

262100080190001 HILLSBORO CANAL AT S-10-A, NEAR DEERFIELD BEACH, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.34	13.13	13.99	12.94	15.27	14.18	14.95	13.51	12.95	13.99	12.98	12.99
2	---	13.11	13.51	12.93	15.27	13.72	14.94	13.39	---	14.08	13.01	13.00
3	---	13.10	13.35	12.92	15.27	13.54	14.91	13.30	---	14.19	12.98	13.01
4	---	13.14	13.26	12.91	15.27	13.44	14.89	13.24	---	14.20	12.97	13.01
5	---	13.12	13.20	12.90	15.27	13.35	14.90	13.20	---	14.21	12.96	13.00
6	---	13.11	13.16	13.35	15.26	13.27	14.91	13.16	---	14.21	12.94	12.99
7	---	13.12	13.12	14.08	15.25	13.22	14.90	13.13	---	13.93	12.92	12.98
8	---	13.10	13.10	14.22	15.24	13.16	14.88	13.11	---	13.41	12.92	12.99
9	14.70	13.15	13.08	14.29	15.23	13.12	14.86	13.10	13.03	13.24	12.92	13.02
10	14.54	13.60	13.07	14.31	15.21	13.07	14.88	13.07	13.03	13.16	12.92	13.03
11	14.49	14.10	13.06	14.53	15.19	13.03	14.87	13.05	13.02	13.11	12.91	13.01
12	14.46	14.15	13.03	14.81	15.22	13.00	14.76	13.04	13.03	13.08	12.90	13.01
13	14.27	14.18	13.03	14.85	15.22	13.06	14.48	13.03	13.03	13.06	12.90	13.00
14	13.88	14.19	13.03	14.98	15.22	12.97	14.21	13.01	13.03	13.06	12.91	13.04
15	13.70	14.21	13.03	15.24	15.20	12.93	14.15	12.98	13.04	13.04	12.93	13.08
16	13.60	14.22	13.03	15.28	15.17	12.89	14.20	12.97	13.04	13.03	12.90	13.41
17	13.53	13.98	13.03	15.25	15.15	12.92	14.19	12.96	13.03	13.01	12.89	14.04
18	13.48	13.53	13.02	15.25	15.14	12.98	14.18	12.95	13.02	12.99	12.89	14.07
19	13.43	13.39	13.02	15.23	15.12	12.95	14.05	12.93	13.01	12.98	12.87	14.09
20	13.38	13.35	13.00	15.22	15.09	12.93	13.63	12.91	13.00	12.97	12.86	14.10
21	13.35	13.34	12.97	15.15	15.06	12.96	13.87	12.89	12.99	12.97	12.84	14.11
22	13.31	13.27	12.97	14.99	14.93	13.60	14.30	12.86	12.93	12.97	12.82	14.13
23	13.28	13.26	12.95	14.89	14.77	14.65	14.34	12.82	12.93	12.99	12.83	14.15
24	13.26	13.24	12.94	14.87	14.71	14.83	14.35	12.80	12.96	13.01	12.86	14.15
25	13.23	13.53	12.93	14.90	14.64	14.90	14.36	12.76	12.96	12.98	12.86	14.17
26	13.19	14.11	12.94	15.03	14.53	14.97	14.38	12.73	12.93	12.95	12.88	14.18
27	13.17	14.16	12.92	15.22	14.35	14.99	14.39	12.69	12.89	12.95	12.87	13.98
28	13.16	14.19	12.91	15.25	14.32	14.99	14.37	12.69	12.88	12.98	12.89	13.50
29	13.15	14.20	12.90	15.26	---	14.98	14.22	12.71	12.90	13.00	12.95	13.37
30	13.15	14.21	12.89	15.27	---	14.96	13.72	12.79	13.38	13.00	12.99	13.30
31	13.14	---	12.90	15.27	---	14.95	---	12.90	---	12.99	13.03	---
TOTAL	---	408.49	405.34	451.59	421.57	424.51	434.04	402.68	---	411.74	400.30	403.91
MEAN	---	13.62	13.08	14.57	15.06	13.69	14.47	12.99	---	13.28	12.91	13.46
MAX	---	14.22	13.99	15.28	15.27	14.99	14.95	13.51	---	14.21	13.03	14.18
MIN	---	13.10	12.89	12.90	14.32	12.89	13.63	12.69	---	12.95	12.82	12.98

262007080321500 S-150 AT TERRYTOWN, FL

LOCATION.--Lat 26°20'07", long 80°32'15", in NW1/4 sec.27, T.47 S., R.38 E., Palm Beach County, Hydrologic Unit 03090202, 175 ft downstream of S-150, on the west side of U.S. Highway 27, 18.6 mi north of I-595.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft-encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by sluice gates upstream at S-150. Flow occasionally reversed during and after periods of heavy rainfall by pumpage at S-7 which may draw water through S-150 gates. Discharge computed from relations between stage vs area and stage-velocity factor ratings.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent no complete water years of discharge.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.10 ft Oct. 3, 1992; minimum, 7.17 ft Apr. 18, 1991.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.10 ft oct. 3; minimum, 9.82 ft Aug. 22, 23.

STATION NUMBER 262007080321500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	8.08	7.74	10.83	9.84	---	10.25	9.12	10.99	11.19	10.74
2	---	---	8.08	7.71	10.80	10.66	---	10.43	9.07	10.63	11.20	10.70
3	---	---	8.10	7.69	10.88	10.84	---	10.36	9.03	10.68	11.21	10.66
4	---	---	8.06	7.68	10.87	10.25	9.50	10.26	9.03	10.73	11.20	10.67
5	---	---	7.98	7.69	10.70	10.78	10.26	10.16	9.25	10.81	11.21	10.70
6	---	---	8.02	7.67	10.57	10.80	10.08	10.04	9.87	10.87	11.24	10.66
7	---	---	8.04	7.67	10.21	10.75	9.91	9.81	10.51	10.85	11.20	10.63
8	---	---	8.01	7.64	9.68	10.62	9.90	9.83	10.64	10.85	11.18	10.61
9	---	---	7.96	7.60	9.38	10.37	9.43	9.93	10.90	10.87	11.18	10.60
10	---	---	7.95	7.65	9.32	10.35	8.41	9.77	10.89	10.95	11.23	10.58
11	---	---	7.96	7.68	9.26	9.75	8.25	9.75	10.70	10.96	11.20	10.55
12	---	---	7.95	7.66	9.18	9.27	8.20	9.85	10.34	10.96	11.17	10.54
13	---	---	7.92	7.58	9.19	9.20	8.11	9.78	9.91	10.97	11.15	10.54
14	---	---	7.90	8.63	9.17	9.00	8.06	9.89	9.82	11.01	11.13	10.60
15	---	---	7.90	9.58	9.11	8.68	7.88	9.77	9.71	---	11.10	10.58
16	---	---	7.88	11.02	9.04	8.51	7.47	10.07	9.66	---	11.07	10.54
17	---	---	7.87	11.10	9.02	8.48	7.28	9.99	10.10	---	11.04	10.52
18	---	---	7.91	11.07	9.01	8.44	8.69	10.53	10.93	11.15	11.02	10.50
19	---	---	7.87	10.63	9.00	8.30	10.20	10.58	10.66	11.14	10.99	10.46
20	---	---	7.85	10.06	8.98	8.25	10.42	10.68	10.37	11.13	10.94	10.43
21	---	---	7.85	9.82	8.95	8.21	10.79	10.14	10.57	11.13	10.91	10.42
22	---	8.26	7.84	9.69	8.94	8.18	10.85	9.90	10.44	11.14	10.96	10.44
23	---	8.26	7.82	9.87	8.93	8.10	10.62	10.11	10.61	11.16	10.95	10.42
24	---	8.24	7.78	10.33	8.90	8.00	10.55	9.60	10.75	11.15	10.94	10.40
25	---	8.22	7.73	10.55	8.89	7.94	10.57	9.90	10.32	11.15	10.93	10.40
26	---	8.18	7.76	10.55	9.85	7.90	10.71	9.93	10.20	11.14	10.92	10.42
27	---	8.18	7.76	10.63	10.80	7.87	10.12	9.94	10.31	11.15	10.90	10.41
28	---	8.17	---	10.82	10.27	7.80	10.27	10.18	10.80	11.17	10.88	10.38
29	---	8.13	---	10.82	---	7.78	10.28	10.23	11.03	11.17	10.84	10.35
30	---	8.04	---	10.76	---	7.64	10.13	9.64	11.14	11.16	10.82	10.31
31	---	---	---	10.80	---	---	---	9.45	---	11.18	10.80	---
TOTAL	---	---	---	286.39	269.73	---	---	310.75	306.68	---	342.70	315.76
MEAN	---	---	---	9.24	9.63	---	---	10.02	10.22	---	11.05	10.53
MAX	---	---	---	11.10	10.88	---	---	10.68	11.14	---	11.24	10.74
MIN	---	---	---	7.58	8.89	---	---	9.45	9.03	---	10.80	10.31

262007080321500 S-150 AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	e-1.9	-6.0	530	231	---	500	-.20	334	-18	-3.8
2	---	---	e-3.7	-5.5	496	615	---	550	1.2	-40	-10	3.1
3	---	---	e-3.7	-2.7	540	600	---	499	2.5	-28	-11	-3.7
4	---	---	e-3.5	-2.1	498	139	515	490	1.0	-12	-.55	.17
5	---	---	e-.43	-3.2	341	650	550	470	115	-13	-7.0	-2.1
6	---	---	-.18	-5.0	304	530	497	451	334	-17	-14	-3.8
7	---	---	-1.2	-5.5	136	462	470	411	525	-13	-15	-9.0
8	---	---	1.5	-2.3	49	338	473	453	530	-8.5	-11	-1.0
9	---	---	3.2	-.85	41	272	299	473	690	e11	-.50	-1.7
10	---	---	2.9	-2.1	41	366	32	444	555	e12	.44	-7.0
11	---	---	3.8	-1.2	18	172	-1.6	451	390	e3.5	-4.9	-3.8
12	---	---	-1.9	-.95	2.0	64	-.95	474	183	e-3.2	-16	1.7
13	---	---	.65	2.6	2.6	64	-2.4	460	41	e-6.5	-6.0	-1.8
14	---	---	-.65	297	1.3	56	-1.5	493	41	e-6.0	-9.0	-3.4
15	---	---	-2.1	497	-.25	27	-2.0	471	39	---	1.5	-4.2
16	---	---	-2.3	850	2.2	1.5	-1.8	530	34	---	-3.7	-6.5
17	---	---	-4.0	805	.50	.25	-.19	520	310	---	.12	-5.0
18	---	---	-5.5	680	.05	-.06	---	680	700	---	3.6	-2.2
19	---	---	-4.3	227	-1.1	2.7	---	630	318	-6.9	2.5	-3.0
20	---	---	-3.8	19	17	-.55	---	660	204	e-9.1	4.4	-3.3
21	---	---	-4.7	26	14	-1.6	---	344	391	e-9.1	3.2	-1.7
22	---	e-3.4	-4.9	15	-2.2	-4.4	---	262	266	e-7.8	-4.3	-3.4
23	---	e-4.3	-4.7	166	-4.9	-4.7	---	144	389	e3.0	-6.0	-3.8
24	---	e-4.0	-2.4	322	-2.5	-2.3	---	.10	340	e-2.4	-15	-3.5
25	---	e-3.4	-1.6	472	-1.5	-1.6	---	-4.6	60	e1.7	-.33	-10
26	---	e-5.2	-2.5	389	433	-6.0	---	-3.6	-35	-15	-10	-6.5
27	---	e-5.1	-2.0	467	710	-4.4	379	.34	98	-16	-16	-7.0
28	---	e-5.7	e-4.0	624	200	-6.5	467	244	535	-18	-13	-4.4
29	---	e-6.5	e-4.0	530	---	-3.3	480	216	650	-17	-8.0	-4.2
30	---	e-1.3	e-4.0	487	---	-3.1	442	9.5	715	-13	-7.5	-3.6
31	---	---	e-4.0	520	---	---	---	-.40	---	-20	4.4	---
TOTAL	---	---	-65.91	7358.20	4364.20	---	---	11321.34	8422.50	---	-186.62	-108.43
MEAN	---	---	-2.13	237	156	---	---	365	281	---	-6.02	-3.61
MAX	---	---	3.8	850	710	---	---	680	715	---	4.4	3.1
MIN	---	---	-5.5	-6.0	-4.9	---	---	-4.6	-35	---	-18	-10
AC-FT	---	---	-131	14590	8660	---	---	22460	16710	---	-370	-215

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1991, BY WATER YEAR (WY)

MEAN	---	---	-2.13	237	156	---	---	365	281	---	-6.02	-3.61
MAX	---	---	-2.13	237	156	---	---	365	281	---	-6.02	-3.61
(WY)	---	---	1991	1991	1991	---	---	1991	1991	---	1991	1991
MIN	---	---	-2.13	237	156	---	---	365	281	---	-6.02	-3.61
(WY)	---	---	1991	1991	1991	---	---	1991	1991	---	1991	1991

e Estimated

262007080321500 S-150 AT TERRYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.30	10.59	10.36	---	10.80	10.61	10.58	10.82	e10.07	10.73	11.25	e11.80
2	10.32	10.54	10.31	---	10.73	10.57	10.59	10.85	10.09	10.75	11.24	11.76
3	10.33	10.50	10.28	---	10.75	10.72	10.78	10.89	10.41	10.77	11.22	11.83
4	10.33	10.45	10.22	10.03	10.90	10.76	10.74	10.83	10.79	10.80	11.18	11.91
5	10.36	10.42	10.19	10.00	10.93	10.76	10.56	10.71	10.87	10.83	11.17	11.92
6	10.36	10.40	10.21	9.98	10.20	10.71	10.80	10.76	10.90	10.86	11.17	11.93
7	10.33	10.37	10.20	9.96	10.23	10.74	10.82	10.75	10.70	10.91	11.19	11.93
8	10.46	10.34	10.19	9.95	10.95	10.79	10.85	10.73	10.57	10.93	11.26	11.94
9	10.61	10.31	10.20	9.93	11.07	10.78	10.78	10.78	10.75	10.96	11.28	11.95
10	10.68	10.29	10.24	10.40	11.08	10.87	10.90	10.81	e10.68	10.99	11.28	11.96
11	10.71	10.26	10.24	10.90	11.07	10.90	10.81	10.72	10.55	11.02	11.29	11.96
12	10.72	10.24	10.24	11.00	10.98	10.90	10.87	10.56	10.39	11.07	e11.31	11.97
13	10.73	10.20	10.24	11.03	10.94	10.92	10.74	10.60	10.43	11.11	11.28	11.97
14	10.73	10.18	10.24	11.05	10.94	10.86	10.76	10.71	10.95	11.13	11.25	12.00
15	10.73	10.16	10.21	11.02	10.94	10.80	10.60	10.88	10.32	11.15	11.25	12.02
16	10.72	10.14	10.19	10.98	10.87	10.75	10.82	10.82	9.57	11.16	11.26	e12.02
17	10.72	10.12	10.19	10.90	10.81	10.84	10.74	10.80	9.47	11.17	11.29	e12.01
18	10.71	10.11	10.18	10.90	10.81	10.85	10.82	10.76	9.96	11.18	11.26	e12.05
19	10.69	10.09	10.16	10.96	10.99	10.84	10.83	10.70	10.90	11.20	11.27	12.05
20	10.68	10.10	10.14	---	11.06	10.81	10.84	10.70	10.89	11.22	11.27	12.04
21	10.68	10.08	10.13	---	11.05	10.52	10.75	10.57	10.84	11.25	11.27	12.04
22	10.70	10.07	10.12	---	11.14	10.69	10.59	10.57	e10.38	11.30	11.29	12.02
23	10.71	10.04	10.12	---	11.16	10.84	10.82	10.56	e9.68	11.29	11.30	12.03
24	10.70	9.98	10.12	11.04	11.11	10.75	10.82	10.53	10.32	11.30	11.50	12.05
25	10.70	9.96	10.10	10.90	10.55	10.72	10.79	10.44	10.94	11.29	11.61	12.06
26	10.71	9.93	10.35	---	10.11	10.43	10.79	10.41	10.96	11.29	11.59	12.06
27	10.71	9.93	10.98	---	10.41	10.51	10.81	10.37	10.56	11.29	11.60	12.05
28	10.70	9.91	10.96	---	10.72	10.46	10.83	10.25	10.51	11.28	11.61	12.04
29	10.69	9.96	10.95	---	10.74	10.32	10.80	10.14	10.58	11.28	11.64	12.04
30	10.68	10.47	---	10.82	---	10.32	10.82	10.00	10.74	11.27	e11.71	12.03
31	10.66	---	---	10.82	---	10.68	---	9.93	---	11.26	e11.73	---
TOTAL	328.86	306.14	---	---	314.04	332.02	323.05	328.95	314.77	344.04	351.82	359.44
MEAN	10.61	10.20	---	---	10.83	10.71	10.77	10.61	10.49	11.10	11.35	11.98
MAX	10.73	10.59	---	---	11.16	10.92	10.90	10.89	10.96	11.30	11.73	12.06
MIN	10.30	9.91	---	---	10.11	10.32	10.56	9.93	9.47	10.73	11.17	11.76

e Estimated

262007080321500 S-150 AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.2	-.55	4.2	---	477	389	e492	670	e510	-19	e.00	e-35
2	-2.3	2.3	4.4	---	448	447	e529	e703	505	-20	e.00	e-35
3	-5.5	3.3	7.5	---	496	532	e631	720	580	-23	e.00	e-35
4	-5.0	.11	3.5	2.6	615	e558	e541	665	635	-25	e-35	e-35
5	-6.5	-1.2	.85	e1.0	486	e553	e500	632	645	-24	e-35	e-45
6	-3.0	.25	3.8	4.4	91	e516	e619	664	630	-26	e-35	e-47
7	-3.5	-2.0	3.8	4.6	288	e548	e569	e654	520	-32	e-35	e-53
8	-2.9	-3.9	3.2	5.5	700	e571	e592	e665	530	-28	e-35	e-48
9	-10	-1.2	4.1	4.9	695	e566	e577	701	595	-25	e-35	e-47
10	-9.5	-.42	3.8	e364	680	e621	e644	704	e520	-26	e-35	e-44
11	-8.5	.60	4.3	e646	640	e624	e529	e649	486	-27	e-35	e-56
12	-5.5	2.6	4.2	e637	545	e623	e631	618	442	e-25	e-35	e-55
13	1.8	1.0	5.0	e638	530	e626	e472	e532	510	e-25	e-35	e-53
14	-3.6	1.1	3.1	593	535	e588	e476	e559	700	e-25	e-35	e-51
15	-6.5	3.4	.49	e536	550	e563	e506	e645	277	e-25	e-35	e-62
16	-8.5	3.6	-1.5	e522	499	e561	e607	610	62	e-25	e-35	e-76
17	-4.9	2.5	.30	e490	467	e577	e540	610	-6.5	e-25	e-35	e-80
18	-7.0	4.6	2.8	e500	505	523	e601	595	273	e-25	e-35	e-80
19	-9.0	4.2	.85	e567	653	510	e568	580	630	e-25	e-35	e-80
20	-7.5	6.5	6.0	---	682	426	e565	590	590	e-25	e-35	e-108
21	-4.2	5.5	3.6	---	645	370	e503	555	505	e-25	e-35	e-80
22	5.5	4.3	3.9	---	735	485	e486	570	e240	e-25	e-35	e-69
23	6.0	3.2	2.8	---	715	536	e576	570	e64	e-25	e-35	e-67
24	2.5	1.1	3.8	---	660	440	e565	565	379	e-25	e-35	e-40
25	.30	-1.2	2.2	---	239	e493	e555	545	630	e-25	e-35	e-35
26	2.8	-.60	e251	---	211	383	e554	550	308	e-25	e-35	e-35
27	4.9	2.1	e662	---	331	440	e576	545	-8.0	e-25	e-35	e-9.7
28	4.2	3.3	e594	---	565	421	e619	525	-12	e-10	e-35	e-39
29	2.9	4.4	e558	---	489	412	e661	515	-15	e.00	e-35	e-30
30	.00	6.0	---	482	---	444	e687	491	-12	e.00	e-35	e-30
31	-.85	---	---	510	---	574	---	479	---	e.00	e-35	---
TOTAL	-86.55	54.89	---	---	15172	15920	16971	18676	11712.5	-685.00	-980.00	-1559.7
MEAN	-2.79	1.83	---	---	523	514	566	602	390	-22.1	-31.6	-52.0
MAX	6.0	6.5	---	---	735	626	687	720	700	.00	.00	-9.7
MIN	-10	-3.9	---	---	91	370	472	479	-15	-32	-35	-108
AC-FT	-172	109	---	---	30090	31580	33660	37040	23230	-1360	-1940	-3090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	-2.79	1.83	-2.13	237	343	514	566	484	336	-22.1	-18.8	-27.8
MAX	-2.79	1.83	-2.13	237	523	514	566	602	390	-22.1	-6.02	-3.61
(WY)	1992	1992	1991	1991	1992	1992	1992	1992	1992	1992	1991	1991
MIN	-2.79	1.83	-2.13	237	156	514	566	365	281	-22.1	-31.6	-52.0
(WY)	1992	1992	1991	1991	1991	1992	1992	1991	1991	1992	1992	1992

SUMMARY STATISTICS	WATER YEARS 1991 - 1992	
HIGHEST DAILY MEAN	850	Jan 16 1991
LOWEST DAILY MEAN	-108	Sep 20 1992
ANNUAL SEVEN-DAY MINIMUM	-82	Sep 16 1992
10 PERCENT EXCEEDS	596	
50 PERCENT EXCEEDS	2.9	
90 PERCENT EXCEEDS	-26	

e Estimated

262007080321500 S-150 AT TERRYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.06	11.24	11.41	10.73	11.51	11.96	11.51	11.46	10.90	10.51	11.02	10.24
2	12.07	11.18	11.39	10.72	11.54	11.95	11.49	11.44	11.03	10.54	11.03	10.29
3	12.10	11.13	11.37	10.72	11.57	11.95	11.48	11.42	11.11	10.55	10.75	10.35
4	12.09	11.16	11.36	10.72	11.60	11.96	11.48	11.39	11.03	10.51	10.31	10.32
5	12.06	11.15	11.34	10.72	11.63	11.94	11.52	11.36	11.03	10.47	10.18	10.56
6	12.04	11.11	11.32	10.73	11.66	11.92	11.52	11.32	11.03	10.43	10.12	10.96
7	12.03	11.33	11.31	10.74	11.68	11.90	11.51	11.29	11.00	10.42	10.09	10.59
8	12.02	11.46	11.29	10.75	11.70	11.88	11.51	11.26	11.00	10.49	10.06	10.31
9	12.00	11.13	11.27	10.82	11.72	11.85	11.52	11.24	10.99	10.44	10.01	10.30
10	11.99	11.24	11.26	10.86	11.75	11.83	11.52	11.19	10.95	10.40	10.01	10.41
11	11.98	11.24	11.22	10.88	11.77	11.79	11.52	11.15	10.92	10.40	9.99	10.70
12	11.96	11.26	11.19	10.91	11.80	11.76	11.51	11.11	10.88	10.39	10.04	10.46
13	11.93	11.27	11.17	10.92	11.82	11.81	11.50	11.07	10.84	10.36	10.11	10.28
14	11.87	11.28	11.14	10.92	11.83	11.76	11.50	11.02	10.81	10.37	10.16	10.31
15	11.82	11.27	11.12	10.93	11.84	11.72	11.50	10.97	10.80	10.39	10.10	10.36
16	11.78	11.27	11.09	10.98	11.86	11.68	11.59	10.93	10.78	10.38	10.08	10.38
17	11.74	11.27	11.05	11.00	11.86	11.67	11.60	10.88	10.74	10.34	10.04	10.38
18	11.70	11.26	11.02	11.01	11.86	11.69	11.60	10.83	10.71	10.30	10.05	10.55
19	11.67	11.25	10.99	11.03	11.86	11.67	11.60	10.74	10.66	10.26	10.01	10.33
20	11.64	11.34	10.95	11.07	11.86	11.65	11.60	10.65	10.62	10.23	9.98	10.62
21	11.61	11.43	10.92	11.11	11.87	11.65	11.59	10.57	10.60	10.25	9.92	10.65
22	11.57	11.45	10.89	11.14	11.88	11.64	11.58	10.48	10.57	10.24	9.87	10.32
23	11.55	11.46	10.86	11.16	11.93	11.63	11.57	10.41	10.51	10.28	10.34	10.27
24	11.53	11.47	10.83	11.19	11.93	11.61	11.56	10.33	10.61	10.30	10.44	10.25
25	11.50	11.47	10.84	11.27	11.93	11.62	11.55	10.25	10.65	10.27	10.46	10.27
26	11.47	11.47	10.82	11.37	11.95	11.61	11.54	10.18	10.59	10.25	10.89	10.68
27	11.45	11.46	10.80	11.38	11.97	11.59	11.53	10.10	10.54	10.28	10.66	10.80
28	11.42	11.44	10.77	11.42	11.96	11.57	11.51	10.08	10.49	10.70	10.09	10.41
29	11.39	11.43	10.74	11.44	---	11.55	11.49	10.28	10.45	10.85	10.15	10.67
30	11.36	11.42	10.72	11.47	---	11.53	11.48	10.79	10.50	10.70	10.22	10.90
31	11.30	---	10.71	11.49	---	11.52	---	10.85	---	11.04	10.25	---
TOTAL	364.70	339.34	343.16	341.60	330.14	363.86	345.98	337.04	323.34	323.34	317.43	313.92
MEAN	11.76	11.31	11.07	11.02	11.79	11.74	11.53	10.87	10.78	10.43	10.24	10.46
MAX	12.10	11.47	11.41	11.49	11.97	11.96	11.60	11.46	11.11	11.04	11.03	10.96
MIN	11.30	11.11	10.71	10.72	11.51	11.52	11.48	10.08	10.45	10.23	9.87	10.24

262007080321500 S-150 AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e-1.7	e71	e-33	e75	-16	-15	-8.5	-10	-15	e.00	408	-6.5
2	e-3.2	e36	e-35	e61	-14	-9.0	-9.0	-6.5	-6.0	.30	429	-10
3	e-7.1	e18	e-36	e63	-14	-17	-11	-6.5	e.00	2.2	179	-8.0
4	e-11	e10	e-10	e19	-10	-14	-5.0	-1.3	e.00	-1.7	4.6	7.5
5	e-3.6	e22	e-37	e10	-10	-8.0	-11	-3.2	e.00	-3.4	1.4	201
6	e-5.7	e35	e-30	e1.1	-12	-9.5	-13	.90	e.00	-2.4	-1.0	530
7	e-23	e366	e3.2	e-1.5	-16	-9.5	-15	1.9	e.00	-2.7	41	43
8	e-47	e489	e13	e-.99	-15	-9.0	-16	5.5	e.00	-1.1	37	-10
9	e-38	e26	e22	e3.3	-14	-4.4	-12	1.2	e.00	-2.6	4.7	-11
10	e-38	e31	e28	e-7.6	-14	-.02	-23	.08	e.00	-.90	2.8	85
11	e-32	e32	e26	e-4.2	-15	-1.1	-21	e5.5	e.00	1.4	4.6	231
12	e-32	e29	e7.7	e-4.6	-14	2.9	-20	e1.5	e.00	2.1	6.5	31
13	e-33	e-1.4	e5.4	e-2.5	-16	-6.5	-22	e8.9	e.00	-1.8	10	-10
14	e-20	e5.5	e7.5	e-5.3	-15	-12	-18	e3.7	e.00	2.1	6.5	-12
15	e-14	e7.3	e13	e-2.6	-11	-9.5	-14	e2.3	e.00	2.9	2.7	-12
16	e-21	e31	e11	e-3.3	-13	-7.5	-22	e4.9	e.00	-2.7	-1.2	-14
17	e-25	e26	e7.9	e-9.4	-15	-7.0	-23	e.62	e.00	-4.6	.50	22
18	e-20	e25	e-4.3	e-4.7	-21	-21	-23	e3.0	e.00	-5.0	4.6	108
19	e-4.8	e37	e5.3	e-3.1	-16	-19	-18	e.81	e.00	-4.7	4.1	-9.0
20	e4.2	e22	e14	e-1.6	-11	-13	-16	e-6.4	e.00	-4.6	3.1	268
21	e17	e35	e13	e-1.4	-12	-10	-17	-2.8	e.00	-3.2	3.9	189
22	e16	e16	e4.2	e-4.2	-15	-8.0	-22	-5.0	e.00	2.4	3.7	11
23	e27	e11	e2.5	e-5.3	-18	-7.5	-16	-.60	e.00	3.7	331	5.0
24	e20	e14	e5.5	e-2.9	-17	-11	-13	3.7	e.00	1.7	208	4.3
25	e21	e14	e.61	e-7.8	-6.5	-9.5	-11	7.0	e.00	.65	345	2.2
26	e24	e16	e1.3	e-12	-17	-6.0	-13	7.0	e.00	.75	460	338
27	e33	e15	e2.3	e-18	-11	-10	-24	6.5	e.00	2.7	247	224
28	e31	e19	e.87	e-18	-14	-11	-17	6.0	e.00	338	-.75	30
29	e17	e28	e-1.5	e-17	---	-12	-13	7.0	e.00	268	-7.5	149
30	e20	e38	e-3.6	e-15	---	-12	-12	-2.9	e.00	213	-5.5	361
31	e1.4	---	e-.09	e-17	---	-6.5	---	-9.0	---	452	-6.0	---
TOTAL	-148.5	1523.4	3.79	62.41	-392.5	-292.62	-478.5	23.81	-21.00	1252.50	2726.75	2737.5
MEAN	-4.79	50.8	.12	2.01	-14.0	-9.44	-16.0	.77	-.70	40.4	88.0	91.2
MAX	33	489	28	75	-6.5	2.9	-5.0	8.9	.00	452	460	530
MIN	-47	-1.4	-37	-18	-21	-21	-24	-10	-15	-5.0	-7.5	-14
AC-FT	-295	3020	7.5	124	-779	-580	-949	47	-42	2480	5410	5430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1993, BY WATER YEAR (WY)

MEAN	-3.79	26.3	-1.00	120	225	252	275	323	223	9.15	16.8	11.9
MAX	-2.79	50.8	.12	237	523	514	566	602	390	40.4	88.0	91.2
(WY)	1992	1993	1993	1991	1992	1992	1992	1992	1992	1993	1993	1993
MIN	-4.79	1.83	-2.13	2.01	-14.0	-9.44	-16.0	.77	-.70	-22.1	-31.6	-52.0
(WY)	1993	1992	1991	1993	1993	1993	1993	1993	1993	1992	1992	1992

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1991 - 1993	
ANNUAL TOTAL	6997.04			
ANNUAL MEAN	19.2		19.2	
HIGHEST ANNUAL MEAN			19.2	1993
LOWEST ANNUAL MEAN			19.2	1993
HIGHEST DAILY MEAN	530	Sep 6	850	Jan 16 1991
LOWEST DAILY MEAN	-47	Oct 8	-108	Sep 20 1992
ANNUAL SEVEN-DAY MINIMUM	-35	Oct 7	-82	Sep 16 1992
ANNUAL RUNOFF (AC-FT)	13880		13890	
10 PERCENT EXCEEDS	35		550	
50 PERCENT EXCEEDS	-.60		.55	
90 PERCENT EXCEEDS	-17		-23	

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

LOCATION.--Lat 26°20'07", long 80°32'14", in SW1/4 sec.22, T.47 S., R.38 E., Palm Beach County, Hydrologic Unit 03090202, 50 ft east of U.S. Highway 27 in Terrytown, and 25 mi south of Okeelanta.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1944 to December 1959 (weekly gage heights and periodic discharge measurements), January 1960 to 1982 (discharge), November 1990 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by pumpage and operation of gate at pump station 7 and by operation of Structure 351 at Lake Okeechobee. AVM system began operation November 8, 1990. Discharge computed from relations between stage vs area and line velocity vs velocity index ratings.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 23 complete water years of discharge (1961-82, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.09 ft Oct. 31, 1961; minimum, 8.21 ft Jan. 10, 1961.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 12.65 ft Nov. 7; minimum, 8.94 ft May 30.

STATION NUMBER 02284300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	9.29	9.73	11.15	9.92	10.17	10.67	10.39	11.44	9.51	10.35
2	---	---	9.01	9.23	11.08	11.11	9.90	10.90	10.42	9.99	10.53	10.96
3	---	---	8.82	9.12	11.20	11.26	9.92	10.76	10.78	9.84	10.33	10.46
4	---	---	9.30	9.42	11.14	10.31	10.57	10.65	10.41	9.72	11.27	10.81
5	---	---	8.82	8.74	10.82	11.29	10.71	10.54	10.13	9.75	10.55	10.76
6	---	---	8.48	8.82	10.67	11.12	10.43	10.39	10.08	9.44	10.02	10.67
7	---	---	8.96	8.97	10.66	10.99	10.26	10.11	10.90	9.99	10.33	10.16
8	---	---	9.25	e9.34	10.82	10.75	10.26	10.18	11.05	10.51	10.64	11.08
9	---	10.92	10.31	e8.99	10.64	10.45	9.98	10.31	11.55	10.63	11.20	10.56
10	---	11.07	9.63	e9.27	10.57	10.50	10.00	10.12	11.40	10.67	11.42	10.03
11	---	10.98	9.61	10.59	10.77	10.61	10.09	10.12	11.03	10.90	10.59	10.49
12	---	10.67	8.81	10.90	11.26	10.96	9.97	10.24	10.88	10.81	9.67	11.02
13	---	10.50	8.58	10.97	10.95	10.99	9.55	10.17	11.13	10.70	10.76	11.03
14	---	10.80	8.73	10.64	10.79	10.85	9.37	10.32	11.06	10.86	10.62	11.06
15	---	10.51	8.35	10.83	11.01	10.84	9.69	10.15	10.90	10.92	11.29	11.25
16	---	10.70	8.23	11.79	11.31	10.67	10.32	10.53	10.68	10.94	10.79	e11.26
17	---	10.53	8.24	11.75	11.50	10.69	10.56	10.45	11.25	10.89	11.15	e11.30
18	---	9.98	8.44	11.56	11.12	10.93	10.91	11.22	11.52	10.64	11.21	11.38
19	---	9.73	7.96	11.04	10.99	10.97	10.71	11.14	10.94	10.14	11.18	10.08
20	---	10.12	8.11	10.31	11.08	10.88	11.05	11.28	10.50	10.36	11.03	9.68
21	---	---	8.75	10.28	10.94	10.87	11.54	10.38	10.79	10.84	11.10	11.29
22	---	---	8.11	9.86	11.09	10.74	11.54	10.02	10.55	10.62	10.61	11.10
23	---	10.45	8.04	10.16	10.81	10.67	11.01	10.43	10.83	10.66	10.95	10.70
24	---	10.40	8.00	10.56	10.63	10.61	11.00	10.04	11.04	10.49	9.24	10.60
25	---	10.51	8.90	10.85	10.54	10.67	11.12	9.70	10.47	10.60	11.15	9.26
26	---	10.48	8.50	10.79	11.00	10.65	11.19	9.67	9.70	9.50	10.43	9.24
27	---	10.22	8.53	10.87	11.40	10.68	10.37	10.02	9.99	9.75	9.27	9.28
28	---	10.08	e9.36	11.26	10.35	10.34	10.61	11.22	11.16	9.56	9.56	10.05
29	---	9.54	e9.19	11.13	---	10.40	10.64	10.66	11.53	9.48	10.20	10.44
30	---	9.74	e9.10	11.03	---	9.54	10.47	10.37	11.75	10.04	10.25	10.46
31	---	---	e9.08	11.11	---	9.68	---	10.52	---	9.28	11.07	---
TOTAL	---	---	272.49	319.91	306.29	330.94	313.91	323.28	324.81	319.96	327.92	316.81
MEAN	---	---	8.79	10.32	10.94	10.68	10.46	10.43	10.83	10.32	10.58	10.56
MAX	---	---	10.31	11.79	11.50	11.29	11.54	11.28	11.75	11.44	11.42	11.38
MIN	---	---	7.96	8.74	10.35	9.54	9.37	9.67	9.70	9.28	9.24	9.24

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	16	33	---	945	30	48	43	e1530	1300	550
2	---	---	13	36	---	18	21	46	28	e2400	805	26
3	---	---	24	31	---	270	e23	40	9.0	e2070	685	580
4	---	---	20	23	---	1450	29	59	e4.7	e1630	19	18
5	---	---	10	21	---	34	780	52	e4.3	e1610	655	560
6	---	---	10	15	---	25	337	20	e9.5	e1380	500	580
7	---	---	30	25	---	38	46	46	e7.5	e1090	23	500
8	---	---	24	---	23	24	57	32	e14	e675	16	20
9	---	.00	25	---	26	21	25	34	36	e770	21	715
10	---	12	9.0	---	21	7.0	30	32	505	e740	740	446
11	---	9.5	13	33	26	81	36	33	535	e995	1660	7.0
12	---	9.0	12	26	43	25	55	15	19	e1020	1410	21
13	---	3.5	19	17	30	10	19	20	e17	e665	825	58
14	---	12	19	9.0	49	14	24	e27	e39	e770	560	17
15	---	14	22	419	96	14	41	e41	e114	e655	32	e12
16	---	.00	19	---	51	95	42	e11	e57	e855	705	e30
17	---	19	16	---	29	78	37	19	e6.5	e740	6.0	e30
18	---	22	21	---	44	7.5	29	176	e242	e520	16	43
19	---	55	17	---	31	58	4.3	167	e1000	e414	25	1130
20	---	.00	19	---	41	55	5.5	92	e690	e14	30	650
21	---	---	30	---	26	1.3	31	985	e134	e22	18	45
22	---	---	19	---	25	.00	38	1350	e135	e515	1150	28
23	---	.00	15	---	26	.00	54	---	e111	e655	1420	1050
24	---	.00	16	---	8.5	26	37	---	e1810	e630	1590	1470
25	---	.00	23	---	20	51	42	2340	e2230	1460	17	1520
26	---	.00	30	---	33	58	1060	1530	e2040	1550	1560	1550
27	---	.95	31	---	30	54	570	705	e760	1770	1730	1140
28	---	11	---	---	1510	40	22	55	e80	1960	940	480
29	---	15	---	---	---	47	28	56	e66	1250	515	32
30	---	20	---	---	---	34	44	100	e102	1310	410	332
31	---	---	---	---	---	26	---	e90	---	2030	35	---
TOTAL	---	---	---	---	---	3606.80	3596.8	---	10848.5	33695	19418.0	13640.0
MEAN	---	---	---	---	---	116	120	---	362	1087	626	455
MAX	---	---	---	---	---	1450	1060	---	2230	2400	1730	1550
MIN	---	---	---	---	---	.00	4.3	---	4.3	14	6.0	7.0
AC-FT	---	---	---	---	---	7150	7130	---	21520	66830	38520	27050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1991, BY WATER YEAR (WY)

MEAN	185	90.4	66.9	119	85.3	171	189	259	346	316	354	345
MAX	702	490	352	906	449	864	938	1066	1553	1087	1359	918
(WY)	1970	1980	1978	1979	1961	1966	1966	1966	1982	1991	1974	1977
MIN	.000	.000	-1.39	.000	.000	.000	.000	.000	.000	.000	-126	.000
(WY)	1961	1961	1967	1960	1974	1967	1967	1967	1981	1981	1966	1976

SUMMARY STATISTICS	WATER YEARS 1960 - 1991	
ANNUAL MEAN	201	
HIGHEST ANNUAL MEAN	424	1966
LOWEST ANNUAL MEAN	47.1	1967
HIGHEST DAILY MEAN	2790	Aug 20 1981
LOWEST DAILY MEAN	-755	Jul 31 1966
ANNUAL SEVEN-DAY MINIMUM	-620	Jul 30 1966
ANNUAL RUNOFF (AC-FT)	146000	
10 PERCENT EXCEEDS	647	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.08	10.60	10.30	---	11.03	10.79	10.88	11.25	10.45	10.39	11.76	9.28
2	10.33	10.95	10.50	---	10.92	10.81	10.94	11.32	10.47	10.14	12.05	9.32
3	10.21	11.11	11.16	---	10.98	11.03	11.23	11.37	10.86	9.44	12.02	9.49
4	10.31	11.08	10.96	11.40	11.26	11.08	11.06	11.25	11.25	9.16	11.49	9.25
5	9.94	11.08	10.83	11.22	11.18	11.07	10.86	11.10	11.32	9.27	11.32	9.12
6	10.46	---	10.89	11.16	10.19	10.99	11.26	11.18	11.33	9.28	11.13	9.22
7	10.23	---	10.99	11.20	10.33	11.06	11.19	11.16	11.01	9.48	11.13	9.24
8	10.34	11.05	10.97	11.32	11.39	11.13	11.24	11.15	10.91	9.45	11.19	9.35
9	9.19	10.89	11.07	11.31	11.50	11.12	11.15	11.25	11.16	9.40	11.15	9.29
10	9.75	10.87	11.04	11.32	11.48	11.28	11.36	11.28	11.00	9.66	9.84	9.32
11	---	11.34	11.24	11.39	11.43	11.29	11.15	11.13	10.85	9.75	9.30	9.24
12	10.54	11.06	11.23	11.44	11.25	11.29	11.37	10.95	10.65	9.72	9.24	9.24
13	10.93	11.12	11.16	11.47	11.21	11.31	11.12	10.99	10.78	9.71	9.26	9.36
14	10.27	11.03	11.11	11.48	11.22	11.21	11.13	11.13	11.52	9.64	9.42	9.48
15	9.83	11.11	10.98	---	11.22	11.11	10.92	11.40	10.48	9.66	9.47	9.41
16	10.55	11.06	10.95	---	11.11	11.07	11.27	11.28	9.57	9.66	9.43	9.27
17	10.54	11.02	10.98	---	11.02	11.24	11.09	11.27	9.87	9.68	9.85	9.38
18	10.24	11.04	11.37	11.20	11.06	11.21	11.28	11.21	11.20	9.72	9.22	9.50
19	10.16	11.26	11.16	11.32	11.39	11.22	11.23	11.12	11.39	9.81	9.31	9.43
20	10.19	11.39	11.19	---	11.50	11.14	11.20	11.15	11.33	9.68	9.66	9.49
21	10.51	11.32	11.42	---	11.45	10.73	11.05	10.99	11.19	9.66	9.88	9.35
22	10.86	11.05	11.52	11.46	11.66	11.03	10.93	11.01	11.05	9.64	9.26	9.45
23	11.33	10.82	11.46	11.42	11.64	11.22	11.24	11.00	11.66	9.66	9.32	9.53
24	11.21	11.20	11.55	11.35	11.53	11.03	11.23	10.96	11.48	9.81	9.21	9.54
25	11.12	11.11	11.81	11.13	10.70	11.02	11.17	10.85	11.44	9.70	9.75	9.42
26	11.26	10.97	11.77	11.03	10.20	10.66	11.21	10.82	11.24	9.75	9.58	9.29
27	11.21	11.13	11.59	10.99	10.64	10.77	11.25	10.78	10.63	9.76	9.13	9.37
28	11.12	11.40	11.38	11.03	11.06	10.72	11.27	10.65	10.35	10.11	9.59	9.59
29	10.89	11.29	11.32	11.07	10.99	10.55	11.22	10.53	10.47	10.34	9.24	9.60
30	10.85	10.71	11.26	11.05	---	10.60	11.26	10.38	10.71	11.42	9.41	9.22
31	10.66	---	11.26	11.08	---	11.08	---	10.30	---	11.47	9.18	---
TOTAL	---	---	346.42	---	322.54	341.86	334.76	342.21	327.62	304.02	310.79	281.04
MEAN	---	---	11.17	---	11.12	11.03	11.16	11.04	10.92	9.81	10.03	9.37
MAX	---	---	11.81	---	11.66	11.31	11.37	11.40	11.66	11.47	12.05	9.60
MIN	---	---	10.30	---	10.19	10.55	10.86	10.30	9.57	9.16	9.13	9.12

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	555	12	725	---	16	25	106	162	268	2810	18	e1460
2	416	.00	525	---	27	27	168	e191	266	e2760	32	1570
3	515	4.8	17	---	21	41	262	224	369	2580	21	1880
4	1000	13	610	19	37	25	e177	149	411	2080	492	2440
5	448	300	565	23	1150	22	30	106	414	1730	371	2010
6	22	---	e12	27	1870	77	110	180	389	1430	560	1610
7	491	---	29	28	820	231	136	160	231	e1680	740	1600
8	720	17	16	23	17	301	253	152	146	1790	885	1640
9	1270	14	27	32	36	277	261	246	263	1760	735	2260
10	359	38	22	29	42	e342	356	230	e137	1510	2120	1930
11	---	e35	39	43	46	323	258	179	61	1620	1710	1820
12	18	e9.0	14	21	41	311	286	144	31	1710	1780	1700
13	27	27	22	47	35	326	655	180	74	1810	1760	1740
14	635	34	22	62	56	290	45	189	315	1680	1290	1810
15	825	31	15	---	25	274	32	396	1430	1570	1530	1830
16	12	9.5	19	---	40	267	96	244	1910	1510	1960	1810
17	19	17	18	---	21	352	163	205	1200	1450	2420	1740
18	23	29	24	23	20	340	89	265	840	1400	1600	1970
19	15	e28	18	38	37	356	281	297	42	1600	945	1880
20	21	e21	34	---	55	645	184	337	35	1620	650	1790
21	24	e19	29	---	27	90	48	231	20	e1610	1130	1880
22	13	19	22	46	24	284	60	280	e11	1510	1830	1720
23	34	21	22	49	56	340	304	277	42	1410	1830	1720
24	15	22	38	47	79	238	270	273	444	1550	1960	1970
25	18	28	29	35	1110	188	220	166	119	1580	2600	1890
26	e23	14	49	31	860	580	22	159	1850	1460	2520	1690
27	19	37	58	31	960	26	38	236	2850	1220	1790	1540
28	25	27	35	26	9.0	22	242	177	2830	685	1190	1630
29	29	44	14	29	35	25	182	173	2800	39	1520	1910
30	26	1180	e14	20	---	31	153	147	2860	34	2030	1990
31	19	---	e24	15	---	88	---	164	---	18	2090	---
TOTAL	---	---	3107	---	7572.0	6764	5487	6519	22658	47216	42109	54430
MEAN	---	---	100	---	261	218	183	210	755	1523	1358	1814
MAX	---	---	725	---	1870	645	655	396	2860	2810	2600	2440
MIN	---	---	12	---	9.0	22	22	106	11	18	18	1460
AC-FT	---	---	6160	---	15020	13420	10880	12930	44940	93650	83520	108000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1992, BY WATER YEAR (WY)

MEAN	185	90.4	68.4	119	92.8	173	189	257	363	364	395	404
MAX	702	490	352	906	449	864	938	1066	1553	1523	1359	1814
(WY)	1970	1980	1978	1979	1961	1966	1966	1966	1982	1992	1974	1992
MIN	.000	.000	-1.39	.000	.000	.000	.000	.000	.000	.000	-126	.000
(WY)	1961	1961	1967	1960	1974	1967	1967	1967	1981	1981	1966	1976

SUMMARY STATISTICS	WATER YEARS 1960 - 1992	
ANNUAL MEAN	201	
HIGHEST ANNUAL MEAN	424	1966
LOWEST ANNUAL MEAN	47.1	1967
HIGHEST DAILY MEAN	2860	Jun 30 1992
LOWEST DAILY MEAN	-755	Jul 31 1966
ANNUAL SEVEN-DAY MINIMUM	-620	Jul 30 1966
ANNUAL RUNOFF (AC-FT)	146000	
10 PERCENT EXCEEDS	698	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	.00	

e Estimated

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.21	11.75	11.77	11.08	9.64	10.06	9.90	10.45	9.22	10.49	11.49	9.22
2	9.14	11.51	11.76	9.98	9.52	9.92	9.52	10.37	9.82	10.68	11.54	9.26
3	9.17	11.45	11.68	9.23	9.40	9.70	9.80	10.59	10.31	11.32	11.26	9.36
4	9.18	11.97	11.53	9.73	9.43	10.70	9.95	11.24	9.57	11.10	11.09	9.46
5	9.57	12.15	11.43	10.47	9.52	11.49	9.83	11.39	10.94	10.87	11.24	10.52
6	10.23	11.97	11.37	10.33	9.31	11.26	9.35	11.43	10.34	10.74	11.07	11.52
7	10.90	12.29	11.36	9.89	9.25	10.98	9.33	11.43	9.66	11.09	11.30	9.72
8	10.60	11.66	11.33	10.12	9.33	11.16	9.49	11.90	10.77	11.18	11.25	9.19
9	10.43	10.31	11.28	10.61	9.37	11.82	9.87	11.49	10.57	11.37	11.36	9.24
10	10.90	9.69	11.39	9.43	9.43	11.99	9.64	11.39	9.88	11.38	11.68	9.92
11	11.09	9.61	11.51	9.27	9.39	11.86	9.54	11.65	10.07	11.21	11.17	10.68
12	11.17	10.03	11.34	9.26	9.65	11.69	9.63	11.37	10.35	11.23	10.99	9.79
13	11.10	9.79	11.37	9.28	9.47	11.98	9.55	11.26	10.48	11.30	11.20	9.23
14	11.00	11.30	11.52	9.38	9.21	11.59	9.49	11.20	10.50	11.09	11.36	9.31
15	11.03	10.81	11.48	9.29	9.23	11.29	9.46	11.66	10.26	11.08	11.36	9.18
16	10.86	11.49	11.44	9.47	9.27	10.51	9.88	11.74	10.79	11.29	11.37	9.30
17	10.75	10.97	11.38	9.42	9.58	9.57	9.44	11.55	10.50	11.08	11.56	9.66
18	10.82	10.54	11.37	9.26	9.29	9.49	9.38	11.15	10.57	10.94	11.39	10.07
19	10.96	10.80	11.38	9.27	9.49	10.13	9.85	11.02	11.17	11.10	11.08	10.07
20	11.43	10.10	11.29	9.25	9.44	9.79	9.85	11.27	11.24	11.01	10.87	10.96
21	11.45	10.19	11.22	9.25	9.51	9.69	10.03	11.16	11.03	10.99	11.06	11.01
22	11.35	9.24	11.19	9.32	9.74	9.78	10.02	11.05	10.75	10.92	11.10	11.25
23	11.64	9.64	11.42	9.54	9.42	9.91	9.72	11.07	11.37	10.92	11.66	11.12
24	11.91	9.70	11.56	9.24	9.34	9.36	9.52	11.00	11.04	11.21	11.56	11.00
25	11.94	10.29	11.63	9.87	9.31	9.46	9.46	11.08	10.97	11.29	11.58	11.05
26	11.89	10.90	11.75	10.20	9.79	9.96	9.61	11.35	11.07	11.42	11.37	11.47
27	11.75	10.50	11.91	9.70	10.71	9.99	9.69	11.41	11.11	11.06	11.18	11.01
28	11.73	11.19	11.76	9.34	10.07	9.34	9.53	11.38	11.03	11.52	10.46	10.91
29	11.72	11.76	11.61	9.60	---	9.36	9.53	11.34	9.29	11.29	9.42	10.55
30	11.75	11.75	11.66	9.49	---	9.46	9.80	10.02	9.79	11.73	9.50	11.20
31	11.79	---	10.63	9.33	---	9.84	---	9.43	---	11.62	9.24	---
TOTAL	338.46	325.35	355.32	298.90	266.11	323.13	289.66	345.84	314.46	345.52	343.76	306.23
MEAN	10.92	10.84	11.46	9.64	9.50	10.42	9.66	11.16	10.48	11.15	11.09	10.21
MAX	11.94	12.29	11.91	11.08	10.71	11.99	10.03	11.90	11.37	11.73	11.68	11.52
MIN	9.14	9.24	10.63	9.23	9.21	9.34	9.33	9.43	9.22	10.49	9.24	9.18

02284300 NORTH NEW RIVER CANAL AT S-7, AT TERRYTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1890	62	40	117	1680	1690	970	43	1380	505	15	2320
2	e1380	64	47	1790	1750	1690	1410	53	281	182	36	2160
3	e1180	58	35	1500	1660	1620	1100	63	1410	42	42	2110
4	e907	51	43	645	1680	660	970	55	855	18	23	1470
5	e447	62	42	46	1830	35	1570	44	21	8.5	34	810
6	e459	53	51	459	1580	e58	1640	26	1180	55	26	47
7	15	54	46	303	1360	e48	1580	e19	525	15	39	2360
8	665	75	46	465	1360	52	1240	52	37	32	23	2210
9	575	1270	51	1780	1450	48	1160	40	29	22	43	1760
10	18	1730	49	2550	1360	35	1280	41	29	17	34	1180
11	28	1220	43	2510	1430	37	1110	40	27	26	19	960
12	e28	1270	31	1890	1630	50	1250	35	34	32	15	2000
13	23	1110	34	1730	1690	e36	1410	42	43	28	4.6	2150
14	e23	700	43	1800	1410	e23	1510	46	58	19	25	1880
15	e14	890	50	1470	1400	26	1570	59	34	21	34	1910
16	e101	44	53	1750	1480	1060	1850	57	83	31	16	1630
17	e2.4	750	41	1550	1400	700	1550	59	111	22	30	1030
18	e15	690	41	1690	1450	670	1400	69	135	8.0	35	910
19	54	13	46	1600	1310	505	1360	52	48	16	11	447
20	26	1260	36	1620	1270	376	1770	37	34	6.5	12	49
21	27	1840	43	1500	1080	320	1750	35	164	26	16	35
22	147	2200	38	1470	1210	444	1770	44	136	22	17	29
23	30	1620	42	1240	1560	890	1690	47	299	47	127	22
24	e18	980	44	1450	1520	1130	1570	56	216	43	95	27
25	e24	1000	51	1800	1310	1240	1540	64	535	58	102	28
26	25	33	46	2750	1550	1110	1530	e56	620	42	175	23
27	52	700	51	2430	e1580	1270	1630	46	525	23	550	660
28	55	43	46	1850	1630	1450	1600	53	1320	37	1580	785
29	65	47	39	2030	---	1440	1560	162	1680	24	1100	680
30	67	33	70	1910	---	1220	925	1180	715	27	2290	58
31	46	---	600	1640	---	965	---	955	---	36	2510	---
TOTAL	8406.4	19922	1938	47335	41620	20898	43265	3630	12564	1491.0	9078.6	31740
MEAN	271	664	62.5	1527	1486	674	1442	117	419	48.1	293	1058
MAX	1890	2200	600	2750	1830	1690	1850	1180	1680	505	2510	2360
MIN	2.4	13	31	46	1080	23	925	19	21	6.5	4.6	22
AC-FT	16670	39520	3840	93890	82550	41450	85820	7200	24920	2960	18010	62960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1993, BY WATER YEAR (WY)

MEAN	189	115	68.1	177	148	193	237	251	365	352	391	429
MAX	702	664	352	1527	1486	864	1442	1066	1553	1523	1359	1814
(WY)	1970	1993	1978	1993	1993	1966	1993	1966	1982	1992	1974	1992
MIN	.000	.000	-1.39	.000	.000	.000	.000	.000	.000	.000	-126	.000
(WY)	1961	1961	1967	1960	1974	1967	1967	1967	1981	1981	1966	1976

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1960 - 1993	
ANNUAL TOTAL	241888.0			
ANNUAL MEAN	663		222	
HIGHEST ANNUAL MEAN			663	1993
LOWEST ANNUAL MEAN			47.1	1967
HIGHEST DAILY MEAN	2750	Jan 26	2860	Jun 30 1992
LOWEST DAILY MEAN	2.4	Oct 17	-755	Jul 31 1966
ANNUAL SEVEN-DAY MINIMUM	18	Jul 14	-620	Jul 30 1966
ANNUAL RUNOFF (AC-FT)	479800		160500	
10 PERCENT EXCEEDS	1710		793	
50 PERCENT EXCEEDS	127		.00	
90 PERCENT EXCEEDS	23		.00	

e Estimated

261952080074500 E-3 CANAL, SW 18TH ST., BOCA RATON, FL

LOCATION.--Lat 26°19'52", long 80°07'45", in NW1/4 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 Rd. 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.

REMARKS.--Records good. Station is part of a canal system operated and controlled by Lake Worth Drainage District.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.79 ft May 4, 1982; minimum, 6.66 ft May 30, 1984.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.25 ft July 23; minimum, 8.74 ft Nov. 5.

STATION NUMBER 261952080074500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.52	8.85	9.42	9.69	9.64	9.66	9.91	9.60	9.82	9.78	9.75	9.38
2	9.41	8.82	9.39	9.49	9.66	9.50	9.74	9.50	9.81	9.75	9.77	9.26
3	9.48	8.80	9.35	9.28	9.70	9.51	9.60	9.53	9.89	9.77	9.91	9.77
4	9.47	8.77	9.33	9.33	9.73	9.69	9.53	9.42	9.87	9.62	9.89	9.72
5	9.44	8.84	9.31	9.60	9.78	9.74	9.66	9.42	9.94	9.48	9.83	9.65
6	9.40	9.16	9.28	9.56	9.78	9.75	9.74	9.53	9.92	9.43	9.61	9.60
7	9.38	9.14	9.25	9.66	9.76	9.75	9.64	9.56	9.77	9.44	9.65	9.58
8	9.38	9.15	9.23	9.67	9.70	9.74	9.61	9.47	9.66	9.47	9.73	9.75
9	9.38	9.42	9.20	9.78	9.62	9.73	9.71	9.44	9.51	9.53	9.72	9.80
10	9.36	9.80	9.18	9.89	9.62	9.75	9.76	9.46	9.65	9.79	9.70	9.66
11	9.34	9.68	9.21	9.85	9.65	9.75	9.71	9.48	9.68	9.87	9.67	9.66
12	9.33	9.64	9.22	9.72	9.79	9.75	9.73	9.51	9.68	9.84	9.69	9.64
13	9.30	9.62	9.22	9.70	9.79	9.73	9.82	9.55	9.65	9.66	9.77	9.71
14	9.26	9.57	9.22	9.65	9.74	9.62	9.75	9.59	9.64	9.58	9.75	9.83
15	9.22	9.41	9.20	9.63	9.71	9.04	9.74	9.59	9.66	9.57	9.74	9.78
16	9.23	9.39	9.18	9.64	9.70	9.30	9.85	9.58	9.69	9.57	9.77	9.82
17	9.21	9.50	9.18	9.61	9.70	9.43	9.81	9.54	9.66	9.77	9.87	9.74
18	9.18	9.81	9.47	9.60	9.68	9.69	9.87	9.50	9.62	9.89	9.85	9.68
19	9.15	9.70	9.59	9.60	9.59	9.73	9.85	9.50	9.57	9.85	9.79	9.61
20	9.11	9.62	9.61	9.59	9.30	9.76	9.83	9.54	9.52	9.66	9.62	9.75
21	9.07	9.53	9.63	9.59	9.19	9.92	9.82	9.54	9.48	9.70	9.63	9.78
22	9.04	9.46	9.64	9.59	9.33	9.95	9.82	9.54	9.44	9.83	9.55	9.82
23	9.02	9.59	9.65	9.58	9.74	9.72	9.78	9.57	9.40	9.98	9.42	9.81
24	9.00	9.56	9.65	9.56	9.68	9.69	9.76	9.57	9.35	10.17	9.80	9.78
25	8.98	9.57	9.75	9.61	9.71	9.65	9.68	9.54	9.38	10.03	9.77	9.75
26	8.94	9.53	9.84	9.54	9.77	9.66	9.57	9.53	9.65	9.92	9.76	9.81
27	8.89	9.52	9.77	9.50	9.79	9.84	9.57	9.53	9.80	9.91	9.89	9.86
28	8.88	9.48	9.52	9.49	9.73	9.79	9.67	9.74	9.66	9.94	9.88	9.84
29	8.94	9.45	9.60	9.59	---	9.77	9.72	9.71	9.54	9.94	9.78	9.93
30	8.91	9.44	9.56	9.64	---	9.75	9.72	9.74	9.76	9.86	9.87	9.94
31	8.88	---	9.59	9.64	---	9.81	---	9.77	---	9.82	9.84	---
TOTAL	285.10	281.82	292.24	297.87	270.58	300.17	291.97	296.09	289.67	302.42	302.27	291.71
MEAN	9.20	9.39	9.43	9.61	9.66	9.68	9.73	9.55	9.66	9.76	9.75	9.72
MAX	9.52	9.81	9.84	9.89	9.79	9.95	9.91	9.77	9.94	10.17	9.91	9.94
MIN	8.88	8.77	9.18	9.28	9.19	9.04	9.53	9.42	9.35	9.43	9.42	9.26

261710080190001 SITE 19 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26°16'55", long 80°18'23", T.48 S., R.40 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near Coral Springs. Station is located approximately .5 mi west of the Sawgrass Expressway and 1 mi north of Sample Road in line with the water tower in Coral Springs. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Station is one of several located in Conservation Area 2A. Rainfall data available in files of the U.S. Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.65 ft Feb. 12, 1993; minimum, 11.02 ft June 23-24, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.65 ft Feb. 12; minimum, 11.02 ft June 23, 24.

STATION NUMBER 261710080190001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.37	12.60	11.50	13.41	13.22	12.95	12.50	11.37	11.20	11.56	11.71
2	---	12.35	12.59	11.49	13.44	13.17	12.94	12.45	11.46	11.20	11.56	11.75
3	---	12.34	12.57	11.49	13.45	13.10	12.92	12.40	11.65	11.22	11.52	11.80
4	---	12.38	12.52	11.49	13.47	13.05	12.90	12.34	11.62	11.28	11.47	11.80
5	---	12.40	12.47	11.49	13.51	12.99	12.97	12.28	11.60	11.37	11.42	11.84
6	---	12.40	12.42	11.49	13.53	12.92	12.97	12.22	11.58	11.52	11.38	11.86
7	---	12.43	12.36	11.48	13.55	12.85	12.94	12.16	11.61	11.67	11.33	11.94
8	---	12.46	12.31	11.47	13.57	12.80	12.93	12.11	11.58	11.78	11.31	11.98
9	---	12.53	12.26	11.61	13.56	12.73	12.92	12.09	11.53	11.85	11.31	12.04
10	---	12.83	12.20	11.79	13.56	12.65	12.94	12.03	11.48	11.86	11.29	12.06
11	---	12.83	12.16	12.06	13.55	12.57	12.92	11.96	11.44	11.86	11.27	12.10
12	---	12.83	12.10	12.14	13.62	12.50	12.90	11.92	11.40	11.87	11.24	12.15
13	---	12.84	12.06	12.29	13.62	12.54	12.89	11.88	11.37	11.90	11.25	12.21
14	---	12.83	12.01	12.44	13.60	12.50	12.86	11.82	11.32	11.90	11.43	12.31
15	---	12.82	11.96	12.59	13.58	12.42	12.81	11.76	11.29	11.86	11.45	12.46
16	13.22	12.83	11.92	12.77	13.56	12.35	12.97	11.71	11.25	11.82	11.48	12.55
17	13.16	12.80	11.87	12.89	13.55	12.31	12.94	---	11.22	11.77	11.49	12.59
18	13.11	12.79	11.83	12.97	13.54	12.38	12.84	---	11.19	11.72	11.45	12.62
19	13.05	12.74	11.79	13.02	13.53	12.34	12.80	---	11.15	11.67	11.41	12.68
20	12.98	12.78	11.75	13.06	13.50	12.29	12.73	---	11.12	11.64	11.38	12.78
21	12.92	12.77	11.72	13.09	13.48	12.34	12.67	---	11.08	11.65	11.35	12.83
22	12.86	12.71	11.69	13.13	13.46	12.42	12.63	---	11.05	11.67	11.31	12.87
23	12.81	12.74	11.65	13.13	13.48	12.36	12.58	---	11.02	11.68	11.29	12.91
24	12.76	12.77	11.61	13.11	13.43	12.33	12.54	---	11.12	11.66	11.27	12.93
25	12.70	12.72	11.61	13.19	13.38	12.40	12.52	---	11.28	11.61	11.26	12.97
26	12.65	12.66	11.61	13.24	13.34	12.52	12.54	---	11.30	11.56	11.28	13.00
27	12.59	12.62	11.58	13.26	13.32	12.62	12.61	---	11.27	11.52	11.31	13.03
28	12.54	12.61	11.56	13.26	13.27	12.71	12.58	11.20	11.24	11.50	11.32	13.04
29	12.48	12.60	11.53	13.30	---	12.77	12.56	11.21	11.22	11.57	11.47	13.05
30	12.44	12.60	11.50	13.33	---	12.81	12.54	11.23	11.21	11.60	11.64	13.04
31	12.40	---	11.50	13.37	---	12.87	---	11.28	---	11.62	11.72	---
TOTAL	---	379.38	371.31	386.94	377.86	391.83	383.81	---	340.02	360.60	353.22	372.90
MEAN	---	12.65	11.98	12.48	13.49	12.64	12.79	---	11.33	11.63	11.39	12.43
MAX	---	12.84	12.60	13.37	13.62	13.22	12.97	---	11.65	11.90	11.72	13.05
MIN	---	12.34	11.50	11.47	13.27	12.29	12.52	---	11.02	11.20	11.24	11.71

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°13'43", long 80°27'37", in NE1/4 sec.32, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, in North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-C, a four gated control structure, 5.9 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards downstream of structure S-11-C on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream below structure S-11-C. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stages.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 13.14 ft Oct. 8, 1991; maximum downstream gage height, 12.18 ft Sept. 14, 1992; minimum upstream gage height, 10.10 ft June 1, 1992; minimum downstream gage height, 7.97 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.13 ft Sept. 29; maximum downstream gage height, 12.17 ft Feb. 26; minimum upstream gage height, 10.31 ft July 22; minimum downstream gage height, 9.85 ft Aug. 22-23,

STATION NUMBER 261300080280001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	11.31	---	11.31	12.42
2	---	---	---	---	---	---	---	---	11.40	11.47	11.30	12.45
3	---	---	---	---	---	---	---	---	11.38	11.18	11.30	12.46
4	---	---	---	---	---	---	---	---	11.35	11.20	11.30	12.49
5	---	---	---	---	---	---	---	---	11.35	11.25	11.30	12.52
6	---	---	---	---	---	---	---	---	11.46	11.30	11.40	12.53
7	---	---	---	---	---	---	---	---	11.55	11.34	11.63	12.54
8	---	---	---	---	---	---	---	---	11.54	11.37	11.70	12.57
9	---	---	---	---	---	---	---	---	11.58	11.39	11.72	12.58
10	---	---	---	---	---	---	---	---	11.58	11.49	11.77	12.59
11	---	---	---	---	---	---	---	---	11.48	11.48	11.74	12.59
12	---	---	---	---	---	---	---	---	11.42	11.40	11.74	12.58
13	---	---	---	---	---	---	---	---	11.34	11.29	11.73	12.57
14	---	---	---	---	---	---	---	---	11.29	11.31	11.70	12.56
15	---	---	---	---	---	---	---	---	11.33	11.35	11.68	12.55
16	---	---	---	---	---	---	---	---	11.29	11.40	11.65	12.54
17	---	---	---	---	---	---	---	---	11.29	11.37	11.62	12.53
18	---	---	---	---	---	---	---	11.00	11.33	11.35	11.57	12.54
19	---	---	---	---	---	---	---	11.05	11.38	11.35	11.60	12.54
20	---	---	---	---	---	---	---	11.16	11.45	11.34	11.74	12.57
21	---	---	---	---	---	---	---	11.22	11.47	11.32	11.79	12.60
22	---	---	---	---	---	---	---	11.31	11.36	11.33	11.93	12.61
23	---	---	---	---	---	---	---	11.49	11.29	11.34	12.00	12.62
24	---	---	---	---	---	---	---	11.36	11.32	11.31	12.05	12.64
25	---	---	---	---	---	---	---	11.00	11.38	11.30	12.09	12.67
26	---	---	---	---	---	---	---	10.91	11.35	11.28	12.10	12.73
27	---	---	---	---	---	---	---	10.83	11.38	11.30	12.13	12.78
28	---	---	---	---	---	---	---	10.87	---	11.29	12.19	12.79
29	---	---	---	---	---	---	---	11.09	---	11.27	12.28	12.78
30	---	---	---	---	---	---	---	11.13	---	11.27	12.32	12.78
31	---	---	---	---	---	---	---	11.15	---	11.29	12.39	---
TOTAL	---	---	---	---	---	---	---	---	---	---	364.77	377.72
MEAN	---	---	---	---	---	---	---	---	---	---	11.77	12.59
MAX	---	---	---	---	---	---	---	---	---	---	12.39	12.79
MIN	---	---	---	---	---	---	---	---	---	---	11.30	12.42

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	9.12	---	11.26	10.60
2	---	---	---	---	---	---	---	---	9.07	10.70	11.26	10.56
3	---	---	---	---	---	---	---	---	9.04	10.84	11.26	10.53
4	---	---	---	---	---	---	---	---	9.04	10.87	11.25	10.56
5	---	---	---	---	---	---	---	---	9.06	10.93	11.25	10.57
6	---	---	---	---	---	---	---	---	9.20	10.97	11.24	10.54
7	---	---	---	---	---	---	---	---	9.45	10.99	11.18	10.51
8	---	---	---	---	---	---	---	---	9.70	11.01	11.18	10.50
9	---	---	---	---	---	---	---	---	9.77	11.03	11.17	10.49
10	---	---	---	---	---	---	---	---	9.82	11.12	11.21	10.48
11	---	---	---	---	---	---	---	---	9.87	11.11	11.18	10.45
12	---	---	---	---	---	---	---	---	9.88	11.14	11.16	10.44
13	---	---	---	---	---	---	---	---	9.83	11.18	11.15	10.43
14	---	---	---	---	---	---	---	---	9.76	11.22	11.14	10.42
15	---	---	---	---	---	---	---	---	9.67	11.25	11.11	10.40
16	---	---	---	---	---	---	---	---	9.62	11.31	11.09	10.38
17	---	---	---	---	---	---	---	---	9.69	11.28	11.06	10.37
18	---	---	---	---	---	---	---	8.22	9.82	11.27	11.03	10.36
19	---	---	---	---	---	---	---	8.23	9.88	11.26	10.97	10.34
20	---	---	---	---	---	---	---	8.48	9.88	11.26	10.89	10.32
21	---	---	---	---	---	---	---	8.72	9.92	11.25	10.90	10.32
22	---	---	---	---	---	---	---	9.04	9.97	11.26	10.96	10.36
23	---	---	---	---	---	---	---	9.32	9.99	11.27	10.94	10.35
24	---	---	---	---	---	---	---	9.49	10.07	11.24	10.92	10.33
25	---	---	---	---	---	---	---	9.88	10.14	11.23	10.92	10.33
26	---	---	---	---	---	---	---	9.90	10.21	11.22	10.91	10.34
27	---	---	---	---	---	---	---	9.90	10.23	11.25	10.90	10.35
28	---	---	---	---	---	---	---	9.86	---	11.25	10.83	10.32
29	---	---	---	---	---	---	---	9.75	---	11.23	10.74	10.30
30	---	---	---	---	---	---	---	9.60	---	11.22	10.70	10.27
31	---	---	---	---	---	---	---	9.43	---	11.24	10.64	---
TOTAL	---	---	---	---	---	---	---	---	---	---	342.40	312.52
MEAN	---	---	---	---	---	---	---	---	---	---	11.05	10.42
MAX	---	---	---	---	---	---	---	---	---	---	11.26	10.60
MIN	---	---	---	---	---	---	---	---	---	---	10.64	10.27

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.79	12.22	12.38	11.23	10.86	10.92	10.79	11.07	10.12	10.91	11.44	12.08
2	12.80	12.20	12.38	11.20	10.86	10.89	10.78	11.08	10.12	10.94	11.41	12.09
3	12.82	12.18	12.38	11.15	10.86	10.91	10.85	11.09	10.22	10.98	11.40	12.16
4	12.84	12.17	12.37	11.10	10.85	10.91	10.90	11.09	10.47	11.04	11.51	12.23
5	12.86	12.18	12.38	11.07	10.96	10.91	10.86	11.05	10.62	11.10	11.59	12.24
6	12.86	12.19	12.34	11.04	11.15	10.90	10.85	11.01	10.70	11.18	11.73	12.25
7	12.85	12.19	12.31	10.99	11.23	10.88	10.84	10.98	10.74	11.26	11.78	12.25
8	13.02	12.19	12.29	10.92	11.24	10.88	10.86	10.96	10.76	11.33	11.80	12.26
9	13.10	12.18	12.25	10.87	11.23	10.87	10.88	10.94	10.79	11.40	11.82	12.26
10	13.00	12.16	12.18	10.82	11.23	10.85	10.92	10.92	10.80	11.45	11.86	12.26
11	12.94	12.14	12.13	10.77	11.20	10.84	10.92	10.90	10.84	11.51	11.88	12.26
12	12.89	12.13	12.09	10.73	11.15	10.83	10.95	10.83	10.86	11.59	11.92	12.25
13	12.83	12.12	12.05	10.72	11.11	10.84	11.02	10.80	---	11.66	11.93	12.24
14	12.78	12.12	12.01	10.77	11.08	10.83	10.99	10.84	---	11.68	11.93	12.26
15	12.75	12.11	11.96	10.79	11.04	10.82	10.96	10.87	---	11.69	11.93	12.39
16	12.72	12.10	11.91	10.78	11.00	10.80	10.94	10.85	---	11.69	11.98	12.58
17	12.67	12.09	11.87	10.78	10.97	10.79	10.95	10.80	11.37	11.69	12.08	12.61
18	12.62	12.08	11.82	10.77	10.93	10.78	10.91	10.77	11.37	11.69	12.02	12.63
19	12.60	12.08	11.78	10.76	10.89	10.76	10.95	10.77	11.37	11.69	11.80	12.65
20	12.56	12.09	11.74	10.74	10.85	10.81	11.00	10.78	11.36	11.68	11.77	12.65
21	12.52	12.08	11.68	10.74	10.85	10.70	10.97	10.76	11.35	11.69	11.83	12.63
22	12.50	12.07	11.63	10.73	10.88	10.72	10.95	10.75	11.36	11.75	12.03	12.62
23	12.47	12.06	11.58	10.77	10.88	10.78	10.99	10.73	11.38	11.74	11.98	12.62
24	12.42	12.04	11.53	10.83	10.88	10.81	11.01	10.71	11.42	11.72	11.80	12.63
25	12.41	12.02	11.49	10.84	10.95	10.85	11.03	10.66	11.35	11.70	11.86	12.61
26	12.37	12.01	11.45	10.85	11.08	10.90	11.01	10.58	11.34	11.68	11.88	12.58
27	12.31	12.00	11.41	10.85	11.11	10.87	11.00	10.56	11.08	11.65	11.91	12.54
28	12.26	11.99	11.38	10.85	11.04	10.83	11.04	10.48	11.07	11.62	11.93	12.51
29	12.22	12.05	11.35	10.86	10.98	10.81	11.06	10.38	11.04	11.58	11.97	12.47
30	12.18	12.41	11.32	10.88	---	10.79	11.06	10.26	10.90	11.53	12.05	12.44
31	12.17	---	11.28	10.87	---	10.79	---	10.15	---	11.48	12.07	---
TOTAL	392.13	363.65	368.72	337.07	319.34	335.87	328.24	334.42	---	356.30	366.89	372.25
MEAN	12.65	12.12	11.89	10.87	11.01	10.83	10.94	10.79	---	11.49	11.84	12.41
MAX	13.10	12.41	12.38	11.23	11.24	10.92	11.06	11.09	---	11.75	12.08	12.65
MIN	12.17	11.99	11.28	10.72	10.85	10.70	10.78	10.15	---	10.91	11.40	12.08

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.26	10.52	10.26	10.08	9.75	9.64	9.21	8.87	8.03	10.71	11.27	11.97
2	10.28	10.48	10.24	10.06	9.71	9.57	9.17	8.84	8.01	10.74	11.24	11.98
3	10.30	10.46	10.23	10.06	9.69	9.52	9.23	8.83	8.06	10.78	11.20	12.06
4	10.31	10.42	10.20	10.04	9.68	9.48	9.26	8.80	8.33	10.82	11.15	12.12
5	10.34	10.39	10.18	10.00	9.76	9.46	9.19	8.75	8.50	10.86	11.14	12.13
6	10.33	10.37	10.20	9.98	9.78	9.50	9.22	8.76	8.56	10.91	11.13	12.14
7	10.32	10.35	10.19	9.95	9.74	9.52	9.25	8.75	8.52	10.98	11.13	12.14
8	10.50	10.33	10.18	9.94	9.76	9.51	9.21	8.71	8.55	11.02	11.17	12.14
9	10.64	10.30	10.20	9.92	9.76	9.51	9.17	8.67	8.70	11.06	11.21	12.15
10	10.73	10.28	10.24	9.94	9.76	9.53	9.20	8.65	8.65	11.09	11.22	12.15
11	10.75	10.25	10.25	9.97	9.79	9.53	9.16	8.61	8.72	11.12	11.22	12.15
12	10.75	10.23	10.25	9.97	9.82	9.52	9.14	8.56	8.78	---	11.24	12.15
13	10.75	10.19	10.25	9.94	9.81	9.52	9.17	8.57	---	---	11.21	12.14
14	10.74	10.17	10.24	9.91	9.81	9.50	9.13	8.61	---	---	11.20	12.16
15	10.74	10.16	10.23	9.90	9.80	9.48	9.11	8.58	---	11.29	11.19	12.13
16	10.75	10.14	10.21	9.87	9.78	9.44	9.08	8.54	---	11.30	11.21	12.10
17	10.73	10.11	10.20	9.85	9.76	9.44	9.04	8.51	9.41	11.31	11.23	12.11
18	10.71	10.10	10.18	9.83	9.74	9.42	9.01	8.48	9.47	11.31	11.26	12.14
19	10.69	10.09	10.17	9.81	9.73	9.42	9.02	8.48	9.63	11.33	11.31	12.14
20	10.67	10.09	10.15	9.79	9.73	9.43	9.15	8.45	9.66	11.33	11.31	12.13
21	10.67	10.06	10.14	9.78	9.69	9.35	9.14	8.41	9.63	11.35	11.32	12.13
22	10.69	10.06	10.13	9.77	9.65	9.33	9.06	8.37	9.56	11.39	11.31	12.12
23	10.71	10.03	10.12	9.83	9.63	9.39	9.08	8.35	9.47	11.39	11.40	12.13
24	10.69	10.00	10.12	9.87	9.63	9.41	9.04	8.34	9.62	11.39	11.70	12.15
25	10.70	9.97	10.10	9.83	9.60	9.36	9.02	8.30	9.87	11.38	11.77	12.15
26	10.71	9.94	10.11	9.80	9.58	9.31	9.00	8.27	10.12	11.38	11.78	12.14
27	10.72	9.93	10.16	9.79	9.61	9.29	8.97	8.21	10.36	11.36	11.80	12.12
28	10.70	9.91	10.17	9.78	9.67	9.26	8.96	8.15	10.40	11.35	11.83	12.11
29	10.69	9.95	10.18	9.78	9.67	9.23	8.92	8.09	10.49	11.33	11.87	12.10
30	10.68	10.27	10.17	9.79	---	9.21	8.88	8.06	10.68	11.30	11.94	12.08
31	10.62	---	10.13	9.78	---	9.25	---	8.03	---	11.28	11.96	---
TOTAL	328.87	305.55	315.78	306.61	281.89	292.33	273.19	263.60	---	---	352.92	363.56
MEAN	10.61	10.18	10.19	9.89	9.72	9.43	9.11	8.50	---	---	11.38	12.12
MAX	10.75	10.52	10.26	10.08	9.82	9.64	9.26	8.87	---	---	11.96	12.16
MIN	10.26	9.91	10.10	9.77	9.58	9.21	8.88	8.03	---	---	11.13	11.97

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.46	12.42	11.71	11.33	12.05	12.17	11.56	11.51	11.57	11.32	11.03	11.88
2	12.48	12.42	11.67	11.39	12.02	12.14	11.56	11.47	11.47	11.33	11.07	12.00
3	12.50	12.41	11.63	11.45	11.97	12.12	11.56	11.42	11.47	11.32	11.08	12.11
4	12.49	12.49	11.60	11.47	11.99	12.11	11.56	11.39	11.48	11.27	11.10	12.17
5	12.50	12.50	11.57	11.46	12.03	12.07	11.61	11.34	11.48	11.21	11.11	12.22
6	12.51	12.50	11.53	11.41	12.06	12.03	11.62	11.30	11.49	11.16	11.11	12.24
7	12.55	12.58	11.50	11.33	12.08	11.98	11.63	11.25	11.50	11.13	11.11	12.25
8	12.58	12.61	11.47	11.28	12.10	11.94	11.62	11.21	11.41	11.11	11.11	12.30
9	12.60	12.65	11.43	11.38	12.11	11.90	11.63	11.17	11.20	11.05	11.13	12.36
10	12.60	12.81	11.40	11.48	12.13	11.85	11.64	11.12	11.10	11.00	11.15	12.44
11	12.57	12.73	11.36	11.47	12.14	11.81	11.63	11.07	11.03	10.95	11.16	12.48
12	12.53	12.63	11.31	11.34	12.19	11.76	11.62	11.02	11.00	10.93	11.19	12.51
13	12.58	12.36	11.27	11.31	12.20	11.80	11.62	10.99	10.95	10.95	11.23	12.56
14	12.86	12.26	11.22	11.31	12.20	11.76	11.62	10.97	10.90	10.99	11.30	12.66
15	12.91	12.20	11.18	11.33	12.20	11.70	11.61	10.94	10.88	10.92	11.32	12.75
16	12.89	12.14	11.18	11.41	12.20	11.66	11.76	10.89	10.88	10.78	11.34	12.82
17	12.85	12.08	11.24	11.50	12.20	11.67	11.78	10.83	10.87	10.68	11.36	12.86
18	12.80	12.04	11.26	11.58	12.20	11.73	11.77	10.85	10.83	10.60	11.36	12.87
19	12.75	12.01	11.35	11.59	12.19	11.70	11.76	10.97	10.80	10.52	11.35	12.89
20	12.69	12.05	11.38	11.50	12.18	11.67	11.74	11.00	10.75	10.45	11.34	12.90
21	12.63	12.14	11.38	11.55	12.17	11.66	11.72	11.01	10.76	10.39	11.33	12.91
22	12.56	12.20	11.37	11.61	12.16	11.65	11.70	11.01	10.82	10.37	11.32	12.92
23	12.50	12.16	11.36	11.67	12.22	11.62	11.68	11.02	10.87	10.44	11.32	12.94
24	12.44	12.04	11.34	11.72	12.21	11.61	11.65	11.00	10.93	10.55	11.32	12.95
25	12.37	12.00	11.36	11.81	12.19	11.63	11.63	10.97	11.06	10.56	11.33	12.98
26	12.31	11.96	11.37	11.88	12.19	11.62	11.61	10.94	11.16	10.55	11.37	13.02
27	12.24	11.91	11.35	11.88	12.21	11.61	11.61	10.92	11.23	10.54	11.40	13.05
28	12.22	11.87	11.33	11.90	12.19	11.59	11.59	10.93	11.32	10.59	11.45	13.09
29	12.26	11.82	11.30	11.94	---	11.57	11.57	11.09	11.38	10.73	11.57	13.10
30	12.30	11.76	11.28	11.98	---	11.56	11.55	11.42	11.33	10.85	11.68	13.04
31	12.40	---	11.31	12.02	---	11.56	---	11.52	---	10.97	11.80	---
TOTAL	388.93	367.75	353.01	358.28	339.98	365.25	349.21	344.54	333.92	336.21	349.84	379.27
MEAN	12.55	12.26	11.39	11.56	12.14	11.78	11.64	11.11	11.13	10.85	11.29	12.64
MAX	12.91	12.81	11.71	12.02	12.22	12.17	11.78	11.52	11.57	11.33	11.80	13.10
MIN	12.22	11.76	11.18	11.28	11.97	11.56	11.55	10.83	10.75	10.37	11.03	11.88

261300080280001 NORTH NEW RIVER CANAL AT S-11-C, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.10	11.08	11.43	10.70	11.77	12.09	11.53	11.48	10.92	10.45	10.37	10.19
2	12.12	11.03	11.41	10.70	11.82	12.08	11.53	11.44	10.97	---	10.34	10.24
3	12.14	10.98	11.39	10.69	11.86	12.06	11.52	11.40	11.00	---	10.29	10.29
4	12.13	11.03	11.37	10.69	11.88	12.05	11.52	11.37	10.97	---	10.21	10.27
5	12.13	11.02	11.35	10.69	11.92	12.02	11.57	11.33	10.97	---	10.14	10.29
6	12.12	11.00	11.33	10.71	11.95	11.98	11.58	11.28	10.96	---	10.10	10.31
7	12.12	11.04	11.31	10.73	11.97	11.94	11.58	11.24	10.95	---	10.05	10.29
8	12.13	11.00	11.29	10.73	11.99	11.90	11.58	11.20	10.96	---	10.02	10.26
9	12.13	11.00	11.26	10.82	12.01	11.86	11.59	11.16	10.96	---	10.02	10.25
10	12.12	11.15	11.24	10.86	12.02	11.82	11.60	11.11	10.92	---	10.00	10.26
11	12.10	11.24	11.22	10.90	12.04	11.78	11.59	11.06	10.87	---	10.00	10.28
12	12.08	11.28	11.19	10.96	12.08	11.74	11.58	11.02	10.83	---	10.04	10.27
13	12.00	11.38	11.15	10.96	12.10	11.79	11.58	10.97	10.79	---	---	10.24
14	11.86	11.37	11.12	10.96	12.09	11.75	11.57	10.92	10.76	10.34	---	10.27
15	11.81	11.36	11.10	10.96	12.10	11.69	11.57	10.87	10.76	10.37	---	10.30
16	11.77	11.35	11.05	11.02	12.10	11.65	11.72	10.83	10.73	10.36	---	10.32
17	11.74	11.33	11.01	11.05	12.10	11.65	11.73	10.78	10.69	10.33	10.04	10.32
18	11.71	11.33	10.97	11.06	12.10	11.71	11.72	10.68	10.65	10.30	10.06	10.33
19	11.68	11.31	10.92	11.14	12.09	11.68	11.71	10.57	10.60	10.26	10.02	10.30
20	11.64	11.37	10.89	11.24	12.09	11.65	11.69	10.50	10.55	10.24	9.99	10.30
21	11.61	11.45	10.86	11.28	12.09	11.64	11.67	10.43	10.52	10.25	9.93	10.30
22	11.58	11.48	10.83	11.32	12.08	11.63	11.66	10.36	10.48	10.24	9.88	10.27
23	11.55	11.50	10.80	11.36	12.13	11.61	11.64	10.29	10.43	10.28	9.91	10.25
24	11.53	11.55	10.78	11.40	12.12	11.59	11.61	10.23	10.41	10.30	9.94	10.24
25	11.49	11.54	10.78	11.46	12.11	11.61	11.59	10.17	10.41	10.26	9.94	10.24
26	11.46	11.53	10.76	11.56	12.12	11.61	11.57	10.11	10.42	10.24	10.03	10.27
27	11.44	11.52	10.74	11.63	12.13	11.58	11.57	10.05	10.40	10.27	10.08	10.30
28	11.40	11.51	10.73	11.65	12.11	11.57	11.55	10.03	10.36	10.32	10.05	10.27
29	11.37	11.49	10.70	11.68	---	11.55	11.53	10.26	10.37	10.33	10.08	10.34
30	11.28	11.46	10.68	11.71	---	11.53	11.51	10.82	10.43	10.33	10.15	10.45
31	11.14	---	10.68	11.74	---	11.53	---	10.85	---	10.38	10.19	---
TOTAL	365.48	338.68	342.34	344.36	336.97	364.34	347.96	334.81	321.04	---	---	308.51
MEAN	11.79	11.29	11.04	11.11	12.03	11.75	11.60	10.80	10.70	---	---	10.28
MAX	12.14	11.55	11.43	11.74	12.13	12.09	11.73	11.48	11.00	---	---	10.45
MIN	11.14	10.98	10.68	10.69	11.77	11.53	11.51	10.03	10.36	---	---	10.19

262240080258001 SITE 17 NEAR L-38 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

LOCATION.--Lat 26°17'16", long 80°24'26", in NE1/4 sec.11, T.48 S., R.39 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 2A near L-38 and approximately 7 mi west of Coral Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year. Prior to August 1991 station was operated by the U.S. Army Corps of Engineers.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Prior to June 23, 1992 rain gage was float type. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.64 ft Oct. 7-9, 1992; minimum, 10.57 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.64 ft Oct. 7-9; minimum, 11.48 ft Aug. 24-25.

STATION NUMBER 262240080258001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	12.44
2	---	---	---	---	---	---	---	---	---	---	---	12.46
3	---	---	---	---	---	---	---	---	---	---	---	12.46
4	---	---	---	---	---	---	---	---	---	---	---	12.49
5	---	---	---	---	---	---	---	---	---	---	---	12.51
6	---	---	---	---	---	---	---	---	---	---	---	12.52
7	---	---	---	---	---	---	---	---	---	---	---	12.53
8	---	---	---	---	---	---	---	---	---	---	---	12.54
9	---	---	---	---	---	---	---	---	---	---	---	12.56
10	---	---	---	---	---	---	---	---	---	---	---	12.57
11	---	---	---	---	---	---	---	---	---	---	---	12.57
12	---	---	---	---	---	---	---	---	---	---	---	12.57
13	---	---	---	---	---	---	---	---	---	---	---	12.57
14	---	---	---	---	---	---	---	---	---	---	---	12.55
15	---	---	---	---	---	---	---	---	---	---	---	12.54
16	---	---	---	---	---	---	---	---	---	---	12.49	12.53
17	---	---	---	---	---	---	---	---	---	---	12.45	12.54
18	---	---	---	---	---	---	---	---	---	---	12.40	12.53
19	---	---	---	---	---	---	---	---	---	---	12.34	12.53
20	---	---	---	---	---	---	---	---	---	---	12.29	12.55
21	---	---	---	---	---	---	---	---	---	---	12.31	12.59
22	---	---	---	---	---	---	---	---	---	---	12.45	12.61
23	---	---	---	---	---	---	---	---	---	---	12.44	12.59
24	---	---	---	---	---	---	---	---	---	---	12.42	12.61
25	---	---	---	---	---	---	---	---	---	---	12.44	12.62
26	---	---	---	---	---	---	---	---	---	---	12.43	12.66
27	---	---	---	---	---	---	---	---	---	---	12.41	12.71
28	---	---	---	---	---	---	---	---	---	---	12.40	12.73
29	---	---	---	---	---	---	---	---	---	---	12.42	12.74
30	---	---	---	---	---	---	---	---	---	---	12.42	12.74
31	---	---	---	---	---	---	---	---	---	---	12.43	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	377.16
MEAN	---	---	---	---	---	---	---	---	---	---	---	12.57
MAX	---	---	---	---	---	---	---	---	---	---	---	12.74
MIN	---	---	---	---	---	---	---	---	---	---	---	12.44

262240080258001 SITE 17 NEAR L-38 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.76	12.28	12.31	11.67	e11.41	11.27	11.16	11.05	10.59	12.29	12.48	13.46
2	12.78	12.26	12.32	11.66	e11.42	11.27	11.14	11.07	10.58	12.39	12.42	13.46
3	12.79	12.24	12.33	11.64	e11.42	11.25	11.16	11.09	10.62	12.50	12.36	13.50
4	12.81	12.21	12.33	11.62	e11.43	11.23	11.21	11.12	10.86	12.60	12.30	13.58
5	12.84	12.19	12.33	11.60	11.43	11.22	11.20	11.14	10.98	12.68	12.27	13.61
6	12.84	12.19	12.33	11.59	11.50	11.22	11.19	11.16	11.05	12.74	12.25	13.61
7	12.83	12.19	12.33	11.57	11.49	11.21	11.19	11.24	11.05	12.79	12.24	13.60
8	12.95	12.18	12.31	11.55	11.47	11.19	11.19	11.22	11.02	12.82	12.23	13.59
9	13.06	12.17	12.29	11.54	11.46	11.16	11.17	11.20	10.98	12.86	12.28	13.58
10	13.05	12.15	12.27	11.51	11.46	11.15	11.16	11.18	10.94	12.88	12.30	13.56
11	13.02	12.14	12.25	11.49	11.45	11.15	11.19	11.16	10.94	12.90	12.28	13.54
12	12.98	12.12	12.22	11.48	11.43	11.13	11.21	11.14	11.06	12.93	12.30	13.52
13	12.93	12.11	12.19	11.47	11.42	11.12	11.20	11.13	11.23	12.97	12.31	13.49
14	12.89	12.10	12.16	11.47	11.42	11.12	11.18	11.17	11.38	12.97	12.34	13.48
15	12.87	12.09	12.13	11.46	11.42	11.11	11.17	11.17	11.55	12.96	12.38	13.47
16	12.84	12.09	12.09	11.45	11.40	11.09	11.16	11.14	11.54	12.95	12.47	13.46
17	12.80	12.08	12.06	11.43	11.39	11.06	11.14	11.11	11.53	12.94	12.58	13.47
18	12.76	12.07	12.04	11.42	11.37	11.04	11.13	11.09	11.51	12.92	12.64	13.49
19	12.72	12.09	12.00	11.41	11.36	11.04	11.13	11.05	11.51	12.90	12.68	13.51
20	12.69	12.09	11.97	11.40	11.34	11.09	11.20	11.03	11.52	12.88	12.72	13.49
21	12.65	12.07	11.93	11.39	11.33	11.05	11.20	10.99	11.55	12.86	12.82	13.47
22	12.63	12.06	11.90	11.39	11.34	11.03	11.19	10.97	11.57	12.89	12.91	13.45
23	12.60	12.05	11.88	11.42	11.35	11.11	11.16	10.94	11.63	12.86	12.95	13.44
24	12.56	12.04	11.85	11.46	11.33	11.16	11.14	10.89	11.68	12.84	13.14	13.43
25	12.53	12.02	11.83	11.45	11.33	11.22	11.12	10.85	11.73	12.80	13.25	13.40
26	12.50	12.00	11.80	11.43	11.35	11.23	11.10	10.80	11.90	12.77	13.31	13.36
27	12.47	11.99	11.78	11.43	11.32	11.22	11.06	10.76	11.98	12.74	13.37	13.30
28	12.43	11.99	11.76	11.42	11.30	11.21	11.02	10.72	12.02	12.70	13.41	13.26
29	12.39	12.02	11.74	11.41	11.29	11.20	10.99	10.68	12.08	12.66	13.43	13.22
30	12.35	12.27	11.71	11.41	---	11.20	11.00	10.64	12.20	12.61	13.46	13.18
31	12.31	---	11.69	e11.41	---	11.19	---	10.61	---	12.55	13.46	---
TOTAL	394.63	363.55	374.13	356.05	330.43	345.94	334.46	341.51	340.78	396.15	393.34	403.98
MEAN	12.73	12.12	12.07	11.49	11.39	11.16	11.15	11.02	11.36	12.78	12.69	13.47
MAX	13.06	12.28	12.33	11.67	11.50	11.27	11.21	11.24	12.20	12.97	13.46	13.61
MIN	12.31	11.99	11.69	11.39	11.29	11.03	10.99	10.61	10.58	12.29	12.23	13.18

e Estimated

262240080258001 SITE 17 NEAR L-38 IN CONSERVATION AREA 2A NEAR CORAL SPRINGS, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.20	12.49	12.56	11.75	13.32	13.25	12.56	12.47	11.66	11.68	11.74	11.67
2	13.25	12.48	12.53	11.76	13.34	13.21	12.59	12.45	11.67	11.70	11.71	11.75
3	13.30	12.47	12.51	11.75	13.37	13.17	12.61	12.40	11.71	11.73	11.67	11.84
4	13.37	12.53	12.48	11.75	13.39	13.13	12.63	12.35	11.69	11.69	11.64	11.96
5	13.47	12.54	12.44	11.73	13.42	13.07	12.70	12.30	11.69	11.66	11.61	12.05
6	13.56	12.57	12.39	11.73	13.45	12.99	12.71	12.25	11.70	11.64	11.58	12.10
7	13.62	12.69	12.36	11.72	13.47	12.92	12.71	12.19	11.68	11.62	11.56	12.13
8	13.64	12.65	12.32	11.71	13.47	12.85	12.71	12.14	11.65	11.62	11.54	12.16
9	13.63	12.68	12.28	11.82	13.47	12.77	12.72	12.13	11.63	11.63	11.53	12.21
10	13.60	12.89	12.24	11.86	13.47	12.71	12.73	12.08	11.61	11.64	11.53	12.32
11	13.56	12.92	12.19	11.87	13.48	12.63	12.72	12.04	11.58	11.69	11.52	12.37
12	13.51	12.92	12.15	11.88	13.51	12.56	12.72	11.99	11.62	11.74	11.56	12.41
13	13.46	12.91	12.11	11.94	13.51	12.54	12.71	11.95	11.68	11.77	11.63	12.44
14	13.40	12.89	12.08	12.05	13.50	12.50	12.71	11.91	11.66	11.79	11.66	12.52
15	13.33	12.85	12.05	12.17	13.50	12.44	12.69	11.87	11.67	11.80	11.65	12.63
16	13.26	12.81	12.01	12.35	13.50	12.38	12.80	11.83	11.67	11.80	11.64	12.71
17	13.21	12.78	11.98	12.50	13.49	12.36	12.80	11.80	11.66	11.78	11.62	12.75
18	13.16	12.75	11.95	12.61	13.47	12.41	12.78	11.77	11.64	11.75	11.61	12.79
19	13.11	12.72	11.93	12.71	13.44	12.37	12.75	11.73	11.61	11.73	11.59	12.82
20	13.05	12.77	11.90	12.80	13.43	12.33	12.71	11.70	11.58	11.72	11.57	12.85
21	12.99	12.80	11.88	12.87	13.42	12.35	12.68	11.67	11.55	11.75	11.55	12.88
22	12.93	12.80	11.86	12.92	13.40	12.34	12.63	11.64	11.53	11.74	11.53	12.90
23	12.89	12.80	11.84	12.96	13.42	12.30	12.59	11.61	11.51	11.73	11.51	12.91
24	12.84	12.81	11.81	12.98	13.39	12.27	12.56	11.59	11.63	11.72	11.49	12.93
25	12.78	12.80	11.83	13.04	13.36	12.26	12.53	11.56	11.78	11.70	11.49	12.97
26	12.73	12.76	11.84	13.12	13.34	12.27	12.52	11.54	11.77	11.67	11.52	13.00
27	12.67	12.72	11.81	13.13	13.33	12.28	12.53	11.52	11.76	11.67	11.53	13.02
28	12.61	12.67	11.79	13.17	13.29	12.33	12.51	11.52	11.75	11.71	11.51	13.05
29	12.56	12.63	11.77	13.22	---	12.39	12.50	11.55	11.73	11.69	11.54	13.08
30	12.52	12.59	11.75	13.27	---	12.46	12.49	11.62	11.70	11.73	11.58	13.08
31	12.50	---	11.75	13.30	---	12.51	---	11.63	---	11.80	11.63	---
TOTAL	407.71	381.69	374.39	384.44	375.95	390.35	379.60	368.80	349.77	363.09	359.04	376.30
MEAN	13.15	12.72	12.08	12.40	13.43	12.59	12.65	11.90	11.66	11.71	11.58	12.54
MAX	13.64	12.92	12.56	13.30	13.51	13.25	12.80	12.47	11.78	11.80	11.74	13.08
MIN	12.50	12.47	11.75	11.71	13.29	12.26	12.49	11.52	11.51	11.62	11.49	11.67

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

LOCATION.--Lat 26°12'08", long 80°27'13", in NE1/4 sec.9, T.48 S., R.37 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft southeast of S-11-B a 4 gated control structure, 4.0 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards downstream of S-11-B, on the west bank of the spillway .

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders above and below structure S-11-B. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Area 2A and 3A. Gage records are primarily used to determine stage.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 13.17 ft Oct. 8, 1991; maximum downstream gage height, 12.16 ft Sept. 14, 1992; minimum upstream gage height, 10.10 ft June 2, 1992; minimum downstream gage height, 7.77 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.13 ft Sept. 29; maximum downstream gage height, 12.14 ft Oct. 4; minimum upstream gage height, 10.32 ft July 22; minimum downstream gage height, 9.88 ft Aug. 22, 23.

STATION NUMBER 261200080275001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	11.29	---	11.26	12.41
2	---	---	---	---	---	---	---	---	11.38	---	11.26	12.44
3	---	---	---	---	---	---	---	---	11.37	---	11.26	12.45
4	---	---	---	---	---	---	---	---	11.34	---	11.26	12.48
5	---	---	---	---	---	---	---	---	11.33	---	11.26	12.51
6	---	---	---	---	---	---	---	---	11.44	---	11.34	12.53
7	---	---	---	---	---	---	---	---	11.54	---	11.58	12.54
8	---	---	---	---	---	---	---	---	---	---	11.65	12.56
9	---	---	---	---	---	---	---	---	---	---	11.68	12.58
10	---	---	---	---	---	---	---	---	---	11.42	11.73	12.59
11	---	---	---	---	---	---	---	---	11.47	11.42	11.70	12.58
12	---	---	---	---	---	---	---	---	11.41	11.35	11.69	12.58
13	---	---	---	---	---	---	---	---	11.34	11.23	11.70	12.57
14	---	---	---	---	---	---	---	---	11.29	11.26	11.67	12.56
15	---	---	---	---	---	---	---	---	11.32	11.29	11.65	12.55
16	---	---	---	---	---	---	---	---	11.29	11.35	11.63	12.54
17	---	---	---	---	---	---	---	---	11.29	11.33	11.60	12.54
18	---	---	---	---	---	---	---	---	11.33	11.31	11.55	12.54
19	---	---	---	---	---	---	---	---	11.38	11.30	11.59	12.54
20	---	---	---	---	---	---	---	---	11.45	11.30	11.74	12.57
21	---	---	---	---	---	---	---	---	11.46	11.28	11.80	12.59
22	---	---	---	---	---	---	---	---	11.35	11.29	11.93	12.61
23	---	---	---	---	---	---	---	11.46	11.28	11.31	12.00	12.62
24	---	---	---	---	---	---	---	11.33	11.30	11.27	12.05	12.64
25	---	---	---	---	---	---	---	10.96	11.36	11.26	12.09	12.66
26	---	---	---	---	---	---	---	10.85	11.32	11.24	12.11	12.73
27	---	---	---	---	---	---	---	10.77	11.34	11.27	12.14	12.77
28	---	---	---	---	---	---	---	10.81	---	11.26	12.17	12.78
29	---	---	---	---	---	---	---	11.03	---	11.23	12.24	12.78
30	---	---	---	---	---	---	---	11.07	---	11.22	12.29	12.78
31	---	---	---	---	---	---	---	11.10	---	11.24	12.37	---
TOTAL	---	---	---	---	---	---	---	---	---	---	363.99	377.62
MEAN	---	---	---	---	---	---	---	---	---	---	11.74	12.59
MAX	---	---	---	---	---	---	---	---	---	---	12.37	12.78
MIN	---	---	---	---	---	---	---	---	---	---	11.26	12.41

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	9.11	---	11.22	10.58
2	---	---	---	---	---	---	---	---	9.07	---	11.21	10.54
3	---	---	---	---	---	---	---	---	9.03	---	11.21	10.52
4	---	---	---	---	---	---	---	---	9.03	---	11.21	10.55
5	---	---	---	---	---	---	---	---	9.04	---	11.20	10.55
6	---	---	---	---	---	---	---	---	9.16	---	11.19	10.53
7	---	---	---	---	---	---	---	---	9.34	---	11.13	10.50
8	---	---	---	---	---	---	---	---	9.51	---	11.12	10.49
9	---	---	---	---	---	---	---	---	9.58	---	11.12	10.49
10	---	---	---	---	---	---	---	---	9.57	11.04	11.15	10.47
11	---	---	---	---	---	---	---	---	9.58	11.03	11.13	10.44
12	---	---	---	---	---	---	---	---	9.61	11.06	11.11	10.42
13	---	---	---	---	---	---	---	---	9.60	11.10	11.10	10.41
14	---	---	---	---	---	---	---	---	9.54	11.14	11.09	10.40
15	---	---	---	---	---	---	---	---	9.44	11.18	11.07	10.37
16	---	---	---	---	---	---	---	---	9.41	11.23	11.04	10.37
17	---	---	---	---	---	---	---	---	9.46	11.21	11.01	10.35
18	---	---	---	---	---	---	---	---	9.54	11.20	10.98	10.35
19	---	---	---	---	---	---	---	---	9.62	11.20	10.91	10.33
20	---	---	---	---	---	---	---	---	9.64	11.20	10.82	10.32
21	---	---	---	---	---	---	---	---	9.68	11.19	10.83	10.31
22	---	---	---	---	---	---	---	---	9.75	11.20	10.91	10.35
23	---	---	---	---	---	---	---	9.13	9.78	11.23	10.88	10.34
24	---	---	---	---	---	---	---	9.37	9.90	11.20	10.87	10.33
25	---	---	---	---	---	---	---	9.71	9.99	11.19	10.87	10.32
26	---	---	---	---	---	---	---	9.74	10.06	11.18	10.86	10.34
27	---	---	---	---	---	---	---	9.75	10.09	11.21	10.84	10.35
28	---	---	---	---	---	---	---	9.70	---	11.22	10.80	10.32
29	---	---	---	---	---	---	---	9.56	---	11.19	10.73	10.30
30	---	---	---	---	---	---	---	9.47	---	11.17	10.68	10.27
31	---	---	---	---	---	---	---	9.36	---	11.20	10.62	---
TOTAL	---	---	---	---	---	---	---	---	---	---	340.91	312.21
MEAN	---	---	---	---	---	---	---	---	---	---	11.00	10.41
MAX	---	---	---	---	---	---	---	---	---	---	11.22	10.58
MIN	---	---	---	---	---	---	---	---	---	---	10.62	10.27

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.79	12.23	12.36	11.23	10.86	10.92	10.78	11.07	10.12	10.83	11.42	12.05
2	12.80	12.22	12.36	11.19	10.86	10.89	10.78	11.08	10.11	10.86	11.38	12.05
3	12.82	12.20	12.36	11.15	10.86	10.91	10.84	11.09	10.20	10.90	11.37	12.13
4	12.83	12.20	12.37	11.10	10.85	10.91	10.90	11.09	10.45	10.96	11.48	12.19
5	12.86	12.20	12.37	11.07	10.93	10.91	10.86	11.05	10.61	11.03	11.56	12.20
6	12.86	12.21	12.33	11.04	11.10	10.89	10.85	11.01	10.69	11.11	11.68	12.21
7	12.86	12.21	12.30	10.99	11.20	10.87	10.84	10.98	10.73	11.19	11.71	12.22
8	13.03	12.21	12.28	10.92	11.22	10.87	10.86	10.95	10.76	11.27	11.72	12.22
9	13.11	12.20	12.24	10.86	11.22	10.86	10.88	10.93	10.78	11.33	11.74	12.23
10	13.02	12.18	12.16	10.81	11.23	10.83	10.91	10.92	10.80	11.39	11.77	12.22
11	12.96	12.16	12.11	10.77	11.20	10.82	10.92	10.89	10.85	11.46	11.78	12.22
12	12.91	12.14	12.07	10.72	11.15	10.81	10.95	10.83	10.87	11.53	11.82	12.22
13	12.85	12.14	12.03	10.71	11.11	10.83	11.00	10.79	10.93	11.62	11.83	12.21
14	12.80	12.13	11.99	10.76	11.08	10.82	11.00	10.83	11.10	11.63	11.87	12.23
15	12.77	12.13	11.95	10.78	11.04	10.81	10.97	10.86	11.32	11.64	11.91	12.34
16	12.74	12.11	11.90	10.79	11.00	10.79	10.94	10.85	11.38	11.64	11.96	12.54
17	12.69	12.10	11.85	10.78	10.97	10.77	10.94	10.79	11.36	11.64	12.05	12.57
18	12.65	12.09	11.80	10.77	10.93	10.76	10.91	10.76	11.37	11.64	12.00	12.60
19	12.61	12.09	11.76	10.76	10.89	10.74	10.94	10.75	11.38	11.64	11.78	12.61
20	12.58	12.10	11.72	10.75	10.86	10.79	10.99	10.77	11.36	11.64	11.74	12.61
21	12.54	12.09	11.66	10.74	10.85	10.70	10.97	10.75	11.35	11.64	11.81	12.60
22	12.52	12.08	11.61	10.73	10.88	10.70	10.95	10.74	11.35	11.70	12.00	12.58
23	12.50	12.06	11.56	10.76	10.88	10.76	10.98	10.73	11.38	11.70	11.96	12.59
24	12.46	12.05	11.51	10.84	10.88	10.80	11.01	10.71	11.41	11.68	11.77	12.60
25	12.45	12.03	11.47	10.84	10.93	10.84	11.03	10.66	11.34	11.66	11.83	12.57
26	12.40	12.01	11.43	10.85	11.04	10.88	11.02	10.59	11.32	11.63	11.84	12.55
27	12.34	12.00	11.40	10.86	11.08	10.87	11.01	10.56	11.04	11.61	11.88	12.51
28	12.30	12.00	11.37	10.85	11.03	10.84	11.03	10.48	11.01	11.58	11.91	12.48
29	12.25	12.05	11.34	10.85	10.97	10.81	11.06	10.38	10.97	11.54	11.94	12.44
30	12.21	12.41	11.31	10.88	---	10.79	11.07	10.27	10.83	11.50	12.02	12.41
31	12.19	---	11.27	10.87	---	10.79	---	10.15	---	11.45	12.04	---
TOTAL	392.70	364.03	368.24	337.02	319.10	335.58	328.19	334.31	329.17	354.64	365.57	371.20
MEAN	12.67	12.13	11.88	10.87	11.00	10.83	10.94	10.78	10.97	11.44	11.79	12.37
MAX	13.11	12.41	12.37	11.23	11.23	10.92	11.07	11.09	11.41	11.70	12.05	12.61
MIN	12.19	12.00	11.27	10.71	10.85	10.70	10.78	10.15	10.11	10.83	11.37	12.05

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.27	10.52	10.26	10.08	9.71	9.60	9.14	8.76	7.89	10.66	11.23	11.94
2	10.28	10.48	10.24	10.07	9.67	9.53	9.10	8.74	7.86	10.70	11.21	11.94
3	10.30	10.45	10.23	10.06	9.65	9.47	9.17	8.72	7.91	10.74	11.17	12.02
4	10.32	10.42	10.21	10.04	9.64	9.44	9.19	8.69	8.17	10.78	11.12	12.08
5	10.34	10.39	10.19	10.01	9.72	9.41	9.13	8.63	8.35	10.82	11.12	12.09
6	10.33	10.38	10.21	9.98	9.75	9.45	9.15	8.65	8.41	10.88	11.12	12.10
7	10.33	10.36	10.20	9.96	9.73	9.47	9.18	8.63	8.38	10.94	11.12	12.10
8	10.50	10.34	10.19	9.94	9.73	9.46	9.13	8.59	8.43	10.98	11.16	12.11
9	10.61	10.31	10.20	9.92	9.71	9.46	9.09	8.55	8.58	11.01	11.19	12.12
10	10.66	10.29	10.23	9.93	9.71	9.48	9.11	8.52	8.53	11.04	11.20	12.12
11	10.67	10.25	10.23	9.95	9.75	9.47	9.07	8.48	8.61	11.08	11.20	12.12
12	10.67	10.23	10.23	9.95	9.78	9.46	9.05	8.45	8.69	11.14	11.22	12.12
13	10.67	10.20	10.23	9.90	9.77	9.47	9.09	8.45	8.76	11.20	11.20	12.11
14	10.66	10.18	10.23	9.87	9.76	9.45	9.05	8.47	8.91	11.21	11.19	12.13
15	10.67	10.17	10.22	9.86	9.75	9.42	9.04	8.44	9.05	11.23	11.18	12.11
16	10.67	10.14	10.21	9.83	9.73	9.39	8.99	8.40	9.10	11.25	11.19	12.08
17	10.65	10.12	10.19	9.82	9.71	9.37	8.95	8.37	9.19	11.26	11.21	12.09
18	10.63	10.11	10.18	9.79	9.70	9.35	8.93	8.34	9.22	11.27	11.24	12.12
19	10.61	10.09	10.17	9.77	9.68	9.35	8.93	8.35	9.31	11.28	11.30	12.12
20	10.60	10.09	10.14	9.76	9.68	9.36	9.06	8.31	9.33	11.29	11.30	12.11
21	10.59	10.07	10.13	9.74	9.63	9.29	9.06	8.28	9.32	11.30	11.32	12.11
22	10.61	10.06	10.12	9.73	9.59	9.26	8.98	8.24	9.31	11.35	11.31	12.10
23	10.63	10.04	10.12	9.78	9.57	9.32	9.00	8.22	9.34	11.35	11.38	12.12
24	10.61	10.01	10.11	9.83	9.57	9.34	8.95	8.20	9.51	11.35	11.66	12.13
25	10.63	9.98	10.10	9.79	9.55	9.29	8.93	8.17	9.77	11.34	11.73	12.14
26	10.65	9.95	10.10	9.76	9.56	9.27	8.90	8.14	10.03	11.34	11.74	12.13
27	10.65	9.95	10.15	9.76	9.59	9.24	8.88	8.08	10.27	11.33	11.77	12.11
28	10.64	9.92	10.16	9.75	9.64	9.21	8.86	8.02	10.36	11.31	11.80	12.10
29	10.62	9.96	10.17	9.75	9.63	9.18	8.81	7.96	10.47	11.29	11.83	12.09
30	10.61	10.25	10.16	9.75	---	9.16	8.78	7.94	10.62	11.27	11.91	12.07
31	10.58	---	10.12	9.74	---	9.19	---	7.91	---	11.25	11.93	---
TOTAL	327.26	305.71	315.63	305.87	280.66	290.61	270.70	259.70	271.68	345.24	352.25	362.83
MEAN	10.56	10.19	10.18	9.87	9.68	9.37	9.02	8.38	9.06	11.14	11.36	12.09
MAX	10.67	10.52	10.26	10.08	9.78	9.60	9.19	8.76	10.62	11.35	11.93	12.14
MIN	10.27	9.92	10.10	9.73	9.55	9.16	8.78	7.91	7.86	10.66	11.12	11.94

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.43	12.42	11.72	11.35	12.03	12.15	11.55	11.48	11.54	11.31	11.02	11.86
2	12.45	12.42	11.67	11.39	12.00	12.13	11.56	11.44	11.46	11.33	11.05	11.96
3	12.46	12.42	11.63	11.45	11.95	12.10	11.55	11.40	11.45	11.32	11.07	12.07
4	12.45	12.49	11.60	11.48	11.97	12.08	11.55	11.36	11.46	11.27	11.09	12.13
5	12.46	12.51	11.57	11.47	12.00	12.06	11.60	11.32	11.46	11.22	11.11	12.18
6	12.48	12.50	11.54	11.42	12.04	12.02	11.62	11.28	11.47	11.17	11.11	12.21
7	12.52	12.58	11.51	11.33	12.06	11.98	11.62	11.24	11.48	11.14	11.11	12.22
8	12.56	12.61	11.47	11.28	12.08	11.94	11.62	11.19	11.40	11.12	11.11	12.27
9	12.58	12.65	11.44	11.38	12.09	11.90	11.62	11.16	11.20	11.06	11.14	12.33
10	12.57	12.82	11.40	11.47	12.11	11.85	11.63	11.11	11.10	11.01	11.16	12.42
11	12.55	12.73	11.37	11.46	12.11	11.81	11.62	11.06	11.03	10.96	11.16	12.46
12	12.51	12.63	11.33	11.32	12.16	11.76	11.62	11.01	11.00	10.94	11.19	12.49
13	12.55	12.35	11.28	11.28	12.18	11.79	11.61	10.97	10.95	10.97	11.23	12.54
14	12.85	12.26	11.23	11.28	12.18	11.77	11.60	10.97	10.90	11.01	11.30	12.64
15	12.90	12.19	11.20	11.29	12.18	11.71	11.59	10.95	10.89	10.93	11.31	12.74
16	12.89	12.13	11.19	11.37	12.18	11.65	11.75	10.89	10.88	10.78	11.32	12.81
17	12.85	12.07	11.25	11.46	12.18	11.66	11.78	10.83	10.87	10.68	11.34	12.85
18	12.80	12.04	11.27	11.55	12.18	11.74	11.76	10.84	10.83	10.60	11.35	12.87
19	12.75	12.01	11.37	11.58	12.18	11.71	11.74	10.96	10.80	10.53	11.34	12.89
20	12.69	12.04	11.39	11.49	12.16	11.68	11.71	10.99	10.75	10.45	11.33	12.90
21	12.62	12.12	11.40	11.53	12.15	11.66	11.69	11.01	10.75	10.39	11.32	12.91
22	12.56	12.19	11.39	11.60	12.14	11.64	11.68	11.02	10.80	10.36	11.31	12.93
23	12.50	12.15	11.38	11.66	12.20	11.62	11.65	11.01	10.85	10.44	11.30	12.95
24	12.44	12.02	11.36	11.71	12.19	11.61	11.62	11.00	10.91	10.55	11.30	12.97
25	12.37	11.99	11.38	11.79	12.17	11.63	11.59	10.97	11.02	10.56	11.32	12.99
26	12.31	11.95	11.39	11.86	12.17	11.62	11.58	10.94	11.12	10.55	11.35	13.03
27	12.25	11.91	11.38	11.86	12.19	11.60	11.57	10.92	11.21	10.56	11.39	13.05
28	12.23	11.86	11.36	11.89	12.17	11.58	11.56	10.92	11.28	10.60	11.44	13.10
29	12.27	11.81	11.33	11.92	---	11.57	11.53	11.08	11.35	10.74	11.55	13.10
30	12.30	11.76	11.30	11.96	---	11.55	11.51	11.38	11.33	10.85	11.67	13.03
31	12.40	---	11.33	12.00	---	11.55	---	11.48	---	10.96	11.78	---
TOTAL	388.55	367.63	353.43	357.88	339.40	365.12	348.68	344.18	333.54	336.36	349.57	378.90
MEAN	12.53	12.25	11.40	11.54	12.12	11.78	11.62	11.10	11.12	10.85	11.28	12.63
MAX	12.90	12.82	11.72	12.00	12.20	12.15	11.78	11.48	11.54	11.33	11.78	13.10
MIN	12.23	11.76	11.19	11.28	11.95	11.55	11.51	10.83	10.75	10.36	11.02	11.86

261200080275001 NORTH NEW RIVER CANAL AT S-11-B NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	11.08	11.42	10.69	11.73	12.07	11.52	11.46	10.94	10.41	---	10.22
2	12.10	11.03	11.40	10.68	11.78	12.05	11.52	11.42	10.96	10.45	---	10.26
3	12.13	10.99	11.38	10.67	11.82	12.04	11.52	11.39	10.97	10.46	---	10.31
4	12.13	11.04	11.36	10.66	11.84	12.03	11.51	11.36	10.95	10.41	10.23	10.29
5	12.12	11.04	11.34	10.67	11.87	12.00	11.56	11.32	10.95	10.38	10.17	10.30
6	12.11	11.01	11.32	10.70	11.90	11.97	11.57	11.28	10.94	10.35	10.13	10.30
7	12.11	11.05	11.30	10.73	11.93	11.93	11.57	11.24	10.93	10.33	10.08	10.29
8	12.11	11.01	11.28	10.72	11.95	11.89	11.57	11.20	10.93	10.33	10.05	10.27
9	12.11	11.01	11.26	10.83	11.97	11.86	11.57	11.16	10.94	10.31	10.05	10.26
10	12.10	11.15	11.24	10.87	11.98	11.82	11.58	11.12	10.90	10.29	10.04	10.27
11	12.09	11.23	11.22	10.92	12.00	11.78	11.57	11.06	10.85	10.28	10.04	10.28
12	12.06	11.27	11.19	10.97	12.05	11.73	11.57	11.01	10.81	10.29	10.07	10.28
13	12.00	11.36	11.16	10.97	12.06	11.78	11.56	10.97	10.77	10.28	10.10	10.26
14	11.86	11.37	11.13	10.97	12.05	11.75	11.55	10.91	10.75	10.30	10.14	10.29
15	11.81	11.36	11.10	10.97	12.05	11.69	11.54	10.85	10.75	10.34	10.12	10.32
16	11.78	11.34	11.05	11.03	12.06	11.64	11.70	10.80	10.73	10.35	10.11	10.34
17	11.75	11.33	11.00	11.05	12.06	11.65	11.72	10.75	10.69	10.32	10.08	10.34
18	11.71	11.32	10.96	11.07	12.06	11.71	11.71	10.66	10.64	10.29	10.09	10.34
19	11.68	11.30	10.89	11.13	12.06	11.69	11.69	10.56	10.58	10.26	10.06	10.32
20	11.64	11.36	10.85	11.22	12.05	11.66	11.67	10.50	10.54	10.24	10.02	10.31
21	11.61	11.43	10.82	11.26	12.05	11.65	11.66	10.43	10.52	10.23	9.96	10.30
22	11.58	11.47	10.79	11.30	12.05	11.63	11.64	10.36	10.48	10.23	9.91	10.29
23	11.55	11.49	10.77	11.34	12.10	11.61	11.62	10.30	10.44	10.26	9.93	10.27
24	11.53	11.54	10.75	11.37	12.09	11.59	11.60	10.24	10.43	10.30	9.94	10.27
25	11.50	11.53	10.75	11.44	12.08	11.62	11.57	10.18	10.44	10.26	9.95	10.26
26	11.47	11.52	10.73	11.54	12.09	11.61	11.56	10.12	10.45	10.23	10.03	10.29
27	11.44	11.51	10.71	11.60	12.11	11.59	11.55	10.06	10.42	10.25	10.09	10.31
28	11.40	11.50	10.69	11.62	12.08	11.57	11.53	10.05	10.37	10.32	10.08	10.28
29	11.35	11.48	10.67	11.65	---	11.55	11.51	10.28	10.36	10.32	10.10	10.35
30	11.27	11.45	10.65	11.68	---	11.53	11.49	10.84	10.40	---	10.18	10.51
31	11.15	---	10.65	11.71	---	11.52	---	10.88	---	---	10.22	---
TOTAL	365.34	338.57	341.83	344.03	335.92	364.21	347.50	334.76	320.83	---	---	308.98
MEAN	11.79	11.29	11.03	11.10	12.00	11.75	11.58	10.80	10.69	---	---	10.30
MAX	12.13	11.54	11.42	11.71	12.11	12.07	11.72	11.46	10.97	---	---	10.51
MIN	11.15	10.99	10.65	10.66	11.73	11.52	11.49	10.05	10.36	---	---	10.22

261117080315201 SITE 63 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°11'19", long 80°31'52", in SE1/4 sec.10, T.38 S., R.49 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3A, 6.2 mi west of intersection of I-75 and U.S. Highway 27 and 4 mi north of I-75.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.86 ft Oct. 2, 1993; minimum, 7.24 ft June 1, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.86 ft Oct. 2; minimum, 9.97 ft Aug. 24.

STATION NUMBER 261117080315201
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	10.20	11.04	10.61
2	---	---	---	---	---	---	---	---	---	10.27	11.03	10.58
3	---	---	---	---	---	---	---	---	---	10.35	11.01	10.58
4	---	---	---	---	---	---	---	---	---	10.39	10.99	10.59
5	---	---	---	---	---	---	---	---	---	10.45	11.00	10.58
6	---	---	---	---	---	---	---	---	---	10.47	11.02	10.56
7	---	---	---	---	---	---	---	---	---	10.49	10.99	10.54
8	---	---	---	---	---	---	---	---	---	10.51	10.97	10.53
9	---	---	---	---	---	---	---	---	---	10.55	10.96	10.53
10	---	---	---	---	---	---	---	---	---	10.63	10.96	10.53
11	---	---	---	---	---	---	---	---	---	10.65	10.94	10.50
12	---	---	---	---	---	---	---	---	---	10.67	10.92	10.48
13	---	---	---	---	---	---	---	---	---	10.73	10.90	10.47
14	---	---	---	---	---	---	---	---	---	10.80	10.89	10.48
15	---	---	---	---	---	---	---	---	---	10.84	10.87	10.46
16	---	---	---	---	---	---	---	---	---	10.90	10.84	10.44
17	---	---	---	---	---	---	---	---	---	10.89	10.82	10.42
18	---	---	---	---	---	---	---	---	---	10.88	10.80	10.41
19	---	---	---	---	---	---	---	---	---	10.88	10.77	10.40
20	---	---	---	---	---	---	---	---	9.49	10.89	10.74	10.38
21	---	---	---	---	---	---	---	---	9.55	10.90	10.74	10.39
22	---	---	---	---	---	---	---	---	9.61	10.90	10.81	10.43
23	---	---	---	---	---	---	---	---	9.64	10.91	10.79	10.41
24	---	---	---	---	---	---	---	---	9.74	10.91	10.78	10.39
25	---	---	---	---	---	---	---	---	9.82	10.94	10.77	10.38
26	---	---	---	---	---	---	---	---	9.89	10.92	10.75	10.40
27	---	---	---	---	---	---	---	---	9.94	10.97	10.75	10.39
28	---	---	---	---	---	---	---	---	9.95	10.97	10.73	10.38
29	---	---	---	---	---	---	---	---	10.00	10.95	10.70	10.35
30	---	---	---	---	---	---	---	---	10.10	10.95	10.67	10.33
31	---	---	---	---	---	---	---	---	---	10.99	10.64	---
TOTAL	---	---	---	---	---	---	---	---	---	332.75	336.59	313.92
MEAN	---	---	---	---	---	---	---	---	---	10.73	10.86	10.46
MAX	---	---	---	---	---	---	---	---	---	10.99	11.04	10.61
MIN	---	---	---	---	---	---	---	---	---	10.20	10.64	10.33

261117080315201 SITE 63 IN CONSERVATION AREA NO. 3A, NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.32	10.49	10.19	9.92	9.62	9.41	9.04	8.72	7.48	10.26	10.97	11.54
2	10.31	10.46	10.19	9.92	9.60	9.40	9.03	8.70	7.96	10.33	10.96	11.55
3	10.31	10.44	10.19	9.91	9.59	9.38	9.04	8.67	7.99	10.38	10.94	11.61
4	10.33	10.41	10.18	9.90	9.57	9.36	9.07	8.64	8.30	10.43	10.92	11.68
5	10.34	10.38	10.15	9.88	9.60	9.34	9.06	8.60	8.43	10.47	11.00	11.69
6	10.34	10.35	10.14	9.87	9.64	9.33	9.04	8.55	8.47	10.54	---	11.69
7	10.34	10.34	10.13	9.85	9.64	9.31	9.02	8.51	8.43	10.62	---	11.70
8	10.43	10.32	10.12	9.84	9.63	9.29	9.02	8.45	8.44	10.62	---	11.71
9	10.54	10.29	10.11	9.82	9.62	9.27	9.01	8.40	8.46	10.64	---	11.72
10	10.54	10.26	10.10	9.80	9.61	9.25	9.01	8.34	8.48	10.66	---	11.72
11	10.55	10.24	10.10	9.79	9.61	9.24	9.00	8.29	8.62	10.68	---	11.72
12	10.55	10.22	10.10	9.77	9.59	9.23	8.99	8.23	8.71	10.73	---	11.72
13	10.54	10.20	10.10	9.76	9.58	9.23	8.98	8.18	8.88	10.80	11.04	11.73
14	10.54	10.18	10.10	9.75	9.58	9.23	8.96	8.15	8.92	10.82	11.02	11.76
15	10.54	10.16	10.09	9.75	9.58	9.21	8.94	8.11	9.03	10.84	11.00	11.78
16	10.53	10.14	10.07	9.73	9.57	9.20	8.92	8.06	9.12	10.86	11.02	11.78
17	10.53	10.13	10.06	9.71	9.56	9.18	8.90	8.02	9.16	10.87	11.03	11.80
18	10.52	10.11	10.05	9.70	9.54	9.16	8.87	7.98	9.13	10.90	11.01	11.81
19	10.49	10.09	10.04	9.68	9.52	9.14	8.87	7.93	9.12	10.92	11.00	11.81
20	10.48	10.08	10.02	---	9.52	9.13	8.92	7.88	9.12	10.92	11.01	11.80
21	10.47	10.07	10.01	9.65	9.51	9.11	8.92	7.83	9.11	10.93	11.03	11.80
22	10.46	10.05	10.00	9.63	9.50	9.09	8.91	7.79	9.10	10.98	11.05	11.78
23	10.49	10.04	9.99	9.66	9.49	9.12	8.88	7.74	9.14	11.00	11.05	11.79
24	10.48	10.02	9.98	9.70	9.47	9.15	8.87	7.69	9.22	11.00	11.19	11.82
25	10.49	9.99	9.98	9.69	9.46	9.16	8.85	7.63	9.31	11.00	11.30	11.84
26	10.50	9.97	9.97	9.68	9.45	9.16	8.83	7.57	9.52	11.00	11.33	11.83
27	10.49	9.95	9.97	9.66	9.45	9.14	8.81	7.51	9.68	11.00	11.35	11.82
28	10.49	9.93	9.96	9.65	9.44	9.11	8.79	7.45	9.83	11.00	11.37	11.81
29	10.47	9.96	9.96	9.64	9.43	9.10	8.76	7.39	10.01	11.00	11.42	11.81
30	10.45	10.19	9.96	9.64	---	9.08	8.74	7.33	10.18	10.99	11.52	11.79
31	10.47	---	9.96	9.63	---	9.06	---	7.28	---	10.99	11.53	---
TOTAL	324.33	305.46	311.97	---	276.97	285.57	268.05	249.62	267.35	334.18	---	352.41
MEAN	10.46	10.18	10.06	---	9.55	9.21	8.93	8.05	8.91	10.78	---	11.75
MAX	10.55	10.49	10.19	---	9.64	9.41	9.07	8.72	10.18	11.00	---	11.84
MIN	10.31	9.93	9.96	---	9.43	9.06	8.74	7.28	7.48	10.26	---	11.54

261117080315201 SITE 63 IN CONSERVATION AREA NO. 3A, NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.80	11.04	11.15	10.57	11.27	11.67	11.26	11.17	10.87	10.34	10.36	10.23
2	11.82	10.99	11.13	10.57	11.29	11.66	11.25	11.15	10.84	10.35	10.33	10.27
3	11.85	10.94	11.12	10.57	11.31	11.66	11.23	11.13	10.84	10.38	10.30	10.30
4	11.84	10.98	11.10	10.57	11.33	11.66	11.22	11.11	10.83	10.35	10.27	10.30
5	11.82	10.97	11.09	10.56	11.37	11.65	11.25	11.08	10.83	10.32	10.23	10.30
6	11.81	10.98	11.07	10.56	11.40	11.63	11.25	11.05	10.81	10.29	10.20	10.29
7	11.80	11.02	11.06	10.55	11.43	11.61	11.24	11.03	10.80	10.26	10.17	10.27
8	11.78	10.96	11.04	10.55	11.45	11.59	11.24	11.00	10.79	10.28	10.16	10.26
9	11.77	10.95	11.03	10.63	11.46	11.57	11.23	10.97	10.77	10.28	10.17	10.25
10	11.76	11.03	11.01	10.69	11.49	11.54	11.24	10.94	10.76	10.27	10.17	10.25
11	11.75	11.01	10.99	10.71	11.50	11.52	11.23	10.90	10.73	10.27	10.14	10.25
12	11.73	11.02	10.97	10.72	11.56	11.49	11.22	10.87	10.71	10.26	10.16	10.25
13	11.70	11.02	10.95	10.73	11.57	11.52	11.22	10.84	10.68	10.25	10.20	10.25
14	11.66	11.04	10.93	10.73	11.57	11.50	11.21	10.80	10.66	10.26	10.19	10.29
15	11.62	11.04	10.91	10.73	11.57	11.46	11.20	10.76	10.66	10.27	10.18	10.33
16	11.58	11.03	10.89	10.78	11.58	11.43	11.34	10.72	10.65	10.26	10.17	10.34
17	11.55	11.02	10.86	10.81	11.59	11.42	11.37	10.68	10.63	10.25	10.15	10.34
18	11.51	11.02	10.84	10.81	11.59	11.47	11.36	10.64	10.60	10.23	10.13	10.33
19	---	11.01	10.81	10.81	11.59	11.45	11.34	10.59	10.56	10.22	10.11	10.33
20	---	11.12	10.77	10.83	11.59	11.44	11.33	10.54	10.52	10.22	10.08	10.31
21	11.41	11.19	10.74	10.86	11.59	11.42	11.32	10.48	10.50	10.26	10.06	10.30
22	11.38	11.21	10.71	10.88	11.60	11.41	11.31	10.43	10.50	10.27	10.03	10.30
23	11.35	11.21	10.68	10.90	11.66	11.40	11.29	10.38	10.46	10.35	10.01	10.30
24	11.33	11.22	10.66	10.92	11.65	11.39	11.28	10.33	10.44	10.40	9.99	10.30
25	11.30	11.22	10.66	10.98	11.65	11.43	11.26	10.28	10.43	10.32	10.01	10.31
26	11.27	11.22	10.64	11.08	11.66	11.39	11.25	10.24	10.43	10.32	10.05	10.33
27	11.25	11.21	10.62	11.13	11.69	11.37	11.24	10.20	10.42	10.38	10.06	10.32
28	11.22	11.20	10.60	11.16	11.68	11.34	11.23	10.20	10.39	10.40	10.06	10.31
29	11.19	11.19	10.58	11.19	---	11.32	11.21	10.46	10.36	10.37	10.11	10.32
30	11.15	11.17	10.56	11.22	---	11.29	11.19	10.84	10.34	10.37	10.23	10.34
31	11.10	---	10.55	11.24	---	11.28	---	10.84	---	10.39	10.24	---
TOTAL	---	332.23	336.72	335.04	322.69	355.98	337.81	332.65	318.81	319.44	314.72	308.87
MEAN	---	11.07	10.86	10.81	11.52	11.48	11.26	10.73	10.63	10.30	10.15	10.30
MAX	---	11.22	11.15	11.24	11.69	11.67	11.37	11.17	10.87	10.40	10.36	10.34
MIN	---	10.94	10.55	10.55	11.27	11.28	11.19	10.20	10.34	10.22	9.99	10.23

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°10'40", long 80°26'53", in SE1/4 sec.16, T.49 S., R.39 E., Broward County, Hydrologic Unit 03090202, on North New River Canal on the east bank of the spillway, 100 ft northeast of S-11-A, (a 4-gated control structure), 2.2 mi north of State Road 84 on U.S. Highway 27. The auxiliary stage recorder is located approximately 30 yards upstream of S-11-A on the west bank of the spillway.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoders upstream and downstream structure S-11-A and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Station is one of several located on L-38W which regulates flow for Conservation Areas 2A and 3A. Gage records are primarily used to determine stage. Rainfall data available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum upstream gage height, 13.20 ft Oct. 8, 1991 maximum downstream gage height, 12.06 ft Sept. 23, 1992; minimum upstream gage height, 10.07 ft June 2, 1992; minimum downstream gage height, 7.66 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum upstream gage height, 13.14 ft Sept. 29; maximum downstream gage height, 12.02 ft Oct. 2-4; minimum upstream gage height, 10.32 ft July 22; minimum downstream gage height, 9.83 ft Aug. 23.

STATION NUMBER 261150080270001
UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	11.30	11.60	11.26	12.41
2	---	---	---	---	---	---	---	---	11.39	11.44	11.25	12.44
3	---	---	---	---	---	---	---	---	11.39	11.13	11.25	12.46
4	---	---	---	---	---	---	---	---	11.36	11.14	11.26	12.50
5	---	---	---	---	---	---	---	---	11.35	11.19	11.25	---
6	---	---	---	---	---	---	---	---	11.44	11.24	11.33	---
7	---	---	---	---	---	---	---	---	11.56	11.27	11.57	---
8	---	---	---	---	---	---	---	---	11.55	11.30	11.64	---
9	---	---	---	---	---	---	---	---	11.59	11.32	11.67	---
10	---	---	---	---	---	---	---	---	11.58	11.42	11.72	---
11	---	---	---	---	---	---	---	---	11.47	11.42	11.69	---
12	---	---	---	---	---	---	---	---	11.41	11.35	11.68	---
13	---	---	---	---	---	---	---	---	11.34	11.23	11.68	---
14	---	---	---	---	---	---	---	---	11.30	11.25	11.66	---
15	---	---	---	---	---	---	---	---	11.34	11.29	11.64	---
16	---	---	---	---	---	---	---	---	---	11.35	11.62	---
17	---	---	---	---	---	---	---	---	---	11.32	11.60	---
18	---	---	---	---	---	---	---	---	---	11.31	11.55	12.54
19	---	---	---	---	---	---	---	---	11.40	11.30	11.59	12.55
20	---	---	---	---	---	---	---	---	11.46	11.29	11.75	12.57
21	---	---	---	---	---	---	---	11.19	11.48	11.27	11.81	12.60
22	---	---	---	---	---	---	---	11.28	11.36	11.27	11.95	12.61
23	---	---	---	---	---	---	---	11.45	11.29	11.31	12.02	12.63
24	---	---	---	---	---	---	---	11.33	11.31	11.28	12.06	12.64
25	---	---	---	---	---	---	---	10.95	11.37	11.26	12.10	12.66
26	---	---	---	---	---	---	---	---	11.33	11.23	12.12	12.73
27	---	---	---	---	---	---	---	---	11.35	---	12.14	12.77
28	---	---	---	---	---	---	---	---	11.36	---	12.18	12.79
29	---	---	---	---	---	---	---	11.06	11.40	---	12.25	12.79
30	---	---	---	---	---	---	---	11.12	11.49	11.23	12.29	12.79
31	---	---	---	---	---	---	---	11.15	---	11.24	12.38	---
TOTAL	---	---	---	---	---	---	---	---	---	---	363.96	---
MEAN	---	---	---	---	---	---	---	---	---	---	11.74	---
MAX	---	---	---	---	---	---	---	---	---	---	12.38	---
MIN	---	---	---	---	---	---	---	---	---	---	11.25	---

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	9.06	10.40	11.15	10.55
2	---	---	---	---	---	---	---	---	9.02	10.52	11.14	10.51
3	---	---	---	---	---	---	---	---	8.99	---	11.14	10.50
4	---	---	---	---	---	---	---	---	8.99	10.66	11.14	10.53
5	---	---	---	---	---	---	---	---	8.99	10.72	11.13	---
6	---	---	---	---	---	---	---	---	9.08	10.76	11.11	---
7	---	---	---	---	---	---	---	---	9.19	10.78	11.06	---
8	---	---	---	---	---	---	---	---	9.30	10.80	11.05	---
9	---	---	---	---	---	---	---	---	9.36	10.82	11.04	---
10	---	---	---	---	---	---	---	---	9.44	10.91	11.06	---
11	---	---	---	---	---	---	---	---	9.56	10.91	11.04	---
12	---	---	---	---	---	---	---	---	9.61	10.95	11.02	---
13	---	---	---	---	---	---	---	---	9.61	10.99	11.01	---
14	---	---	---	---	---	---	---	---	9.54	11.03	10.99	---
15	---	---	---	---	---	---	---	---	9.43	11.07	10.97	---
16	---	---	---	---	---	---	---	---	9.41	11.13	10.95	---
17	---	---	---	---	---	---	---	---	---	11.12	10.94	---
18	---	---	---	---	---	---	---	---	---	11.11	10.92	10.32
19	---	---	---	---	---	---	---	---	9.57	11.11	10.83	10.31
20	---	---	---	---	---	---	---	---	9.60	11.11	10.73	10.29
21	---	---	---	---	---	---	---	8.41	9.65	11.10	10.74	10.28
22	---	---	---	---	---	---	---	8.67	9.74	11.12	10.82	10.32
23	---	---	---	---	---	---	---	8.95	9.78	11.13	10.80	10.32
24	---	---	---	---	---	---	---	9.19	9.90	11.11	10.79	10.31
25	---	---	---	---	---	---	---	9.45	10.00	11.11	10.79	10.29
26	---	---	---	---	---	---	---	9.49	10.06	11.09	10.78	10.31
27	---	---	---	---	---	---	---	9.52	10.09	11.12	10.76	10.32
28	---	---	---	---	---	---	---	9.46	10.13	11.12	10.73	10.30
29	---	---	---	---	---	---	---	9.31	10.19	11.10	10.68	10.28
30	---	---	---	---	---	---	---	9.26	10.31	11.10	10.64	10.25
31	---	---	---	---	---	---	---	9.21	---	11.12	10.59	---
TOTAL	---	---	---	---	---	---	---	---	---	---	338.54	---
MEAN	---	---	---	---	---	---	---	---	---	---	10.92	---
MAX	---	---	---	---	---	---	---	---	---	---	11.15	---
MIN	---	---	---	---	---	---	---	---	---	---	10.59	---

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.75	12.22	12.36	11.23	10.86	10.91	10.77	11.06	10.09	10.86	11.46	12.02
2	12.75	12.20	12.36	11.19	10.85	10.88	10.76	11.07	10.08	10.89	11.42	12.02
3	12.79	12.18	12.35	11.15	10.85	10.90	10.83	11.08	10.17	10.93	11.42	12.10
4	12.83	12.18	12.37	11.10	10.84	10.90	10.88	11.07	10.43	10.99	11.53	12.16
5	12.85	12.18	12.36	11.07	10.92	10.89	10.84	11.03	10.58	11.06	11.59	12.17
6	12.85	12.19	12.32	11.03	11.09	10.87	10.82	10.99	10.67	11.13	---	12.18
7	12.85	12.19	12.30	10.99	11.18	10.86	10.81	10.96	10.71	11.22	---	12.19
8	13.03	12.19	12.28	10.92	11.21	10.86	10.84	10.93	10.74	11.31	---	12.19
9	13.11	12.18	12.23	10.86	11.21	10.84	10.86	10.91	10.78	11.38	---	12.19
10	13.02	12.16	12.16	10.81	11.22	10.80	10.89	10.90	10.81	11.43	---	12.19
11	12.96	12.14	12.12	10.77	11.19	10.81	10.90	10.87	---	11.50	11.83	12.19
12	12.91	12.12	12.08	10.72	11.13	10.80	10.93	10.81	---	11.58	11.86	12.18
13	12.85	12.12	12.04	10.71	11.09	10.81	10.99	10.77	10.93	11.67	11.87	12.17
14	12.80	12.11	11.99	10.76	11.07	10.80	10.98	10.81	11.11	11.68	11.88	12.19
15	12.76	12.11	11.96	10.78	11.02	10.79	10.95	10.84	11.32	11.68	11.88	12.31
16	12.74	12.09	11.92	10.78	10.99	10.78	10.93	10.83	11.38	11.69	11.93	12.51
17	12.69	12.08	11.86	10.78	10.95	10.76	10.93	10.77	11.37	11.69	12.02	12.54
18	12.65	12.07	11.81	10.76	10.91	10.74	10.88	10.74	11.38	11.69	11.95	12.57
19	12.61	12.07	11.78	10.75	10.87	10.72	10.92	10.74	11.39	11.69	11.75	12.58
20	12.57	12.08	11.72	10.75	10.84	10.78	10.97	10.75	11.37	11.69	11.71	12.58
21	12.54	12.07	11.67	10.74	10.83	10.69	10.94	10.73	11.36	11.69	11.78	12.57
22	12.51	12.05	11.61	10.72	10.86	10.69	10.93	10.72	11.36	11.75	11.98	12.55
23	12.48	12.04	11.56	10.75	10.86	10.74	10.97	10.71	11.40	11.74	11.93	---
24	12.44	12.04	11.51	10.83	10.86	10.79	10.99	10.68	11.44	11.72	11.74	---
25	12.43	12.03	11.47	10.84	10.90	10.82	11.01	10.64	11.38	11.70	11.81	---
26	12.38	12.01	11.43	10.85	11.03	10.87	11.00	10.56	11.35	11.68	11.82	12.51
27	12.33	12.00	11.40	10.85	11.07	10.85	10.99	10.53	11.06	11.65	11.85	12.48
28	12.28	12.00	11.37	10.84	11.02	10.82	11.03	10.45	11.04	11.62	11.88	12.44
29	12.24	12.05	11.35	10.85	10.96	10.79	11.05	10.36	11.00	11.59	11.92	12.41
30	12.20	12.40	11.32	10.87	---	10.77	11.05	10.25	10.85	11.54	11.99	12.38
31	12.17	---	11.28	10.86	---	10.77	---	10.13	---	11.50	12.02	---
TOTAL	392.37	363.55	368.34	336.91	318.68	335.10	327.64	333.69	---	355.94	---	---
MEAN	12.66	12.12	11.88	10.87	10.99	10.81	10.92	10.76	---	11.48	---	---
MAX	13.11	12.40	12.37	11.23	11.22	10.91	11.05	11.08	---	11.75	---	---
MIN	12.17	12.00	11.28	10.71	10.83	10.69	10.76	10.13	---	10.86	---	---

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.25	10.50	10.22	9.99	9.65	9.48	9.06	8.67	7.79	10.51	11.12	11.82
2	10.26	10.46	10.21	9.99	9.62	9.43	9.02	8.64	7.76	10.56	11.10	11.83
3	10.28	10.44	10.20	9.99	9.59	9.40	9.09	8.62	7.80	10.60	11.06	11.90
4	10.31	10.41	10.18	9.97	9.58	9.37	9.11	8.59	8.05	10.64	11.02	11.97
5	10.33	10.38	10.15	9.93	9.65	9.34	9.05	8.54	8.23	10.69	11.01	11.97
6	10.31	10.36	10.16	9.92	9.70	9.36	9.07	8.55	---	10.74	---	11.98
7	10.32	10.34	10.14	9.89	9.69	9.36	9.10	8.54	---	10.81	---	11.99
8	10.49	10.32	10.13	9.87	9.67	9.35	9.05	8.50	---	10.84	---	11.99
9	10.58	10.29	10.13	9.85	9.65	9.33	9.01	8.45	8.47	10.87	---	12.00
10	10.61	10.27	10.15	9.85	9.66	9.34	9.03	8.42	8.42	10.90	---	12.00
11	10.62	10.24	10.16	9.85	9.66	9.33	8.98	8.38	8.51	10.94	11.09	12.01
12	10.62	10.22	10.15	9.84	9.67	9.32	8.97	8.35	8.59	11.02	11.11	12.00
13	10.62	10.19	10.15	9.81	9.65	9.33	9.01	8.34	8.66	11.07	11.10	12.00
14	10.61	10.17	10.15	9.81	9.66	9.31	8.97	8.37	8.79	11.09	11.08	12.02
15	10.61	10.16	10.14	9.80	9.64	9.28	8.96	8.33	8.94	11.11	11.07	12.00
16	10.61	10.13	10.12	9.77	9.62	9.25	8.91	---	8.95	11.12	11.07	11.97
17	10.60	10.10	10.11	9.76	9.60	9.23	8.86	---	---	11.13	11.10	11.98
18	10.57	10.10	10.10	9.73	9.59	9.22	8.84	---	---	11.14	11.13	12.00
19	10.55	10.08	10.08	9.71	9.58	9.21	8.83	---	9.10	11.16	11.18	12.00
20	10.54	10.07	10.05	9.70	9.57	9.22	8.98	---	9.11	11.17	11.19	12.00
21	10.54	10.05	10.04	9.67	9.54	9.16	8.97	---	9.11	11.18	11.22	11.99
22	10.55	10.04	10.04	9.66	9.52	9.13	8.90	---	9.13	11.23	11.22	11.99
23	10.58	10.02	10.04	9.72	9.50	9.19	8.91	---	9.22	11.23	11.29	12.01
24	10.56	10.00	10.03	9.77	9.50	9.24	8.86	---	9.34	11.23	11.54	12.03
25	10.57	9.97	10.02	9.73	9.49	9.20	8.84	---	9.52	11.23	11.62	12.03
26	10.60	9.93	10.02	9.70	9.51	9.20	8.82	---	9.80	11.23	11.63	12.02
27	10.60	9.92	10.04	9.70	9.51	9.17	8.79	7.97	10.07	11.21	11.66	12.00
28	10.59	9.89	10.04	9.69	9.52	9.13	8.77	7.91	10.18	11.19	11.68	11.99
29	10.57	9.92	10.04	9.69	9.50	9.11	8.72	7.86	10.32	11.18	11.71	11.98
30	10.56	10.21	10.04	9.70	---	9.10	8.69	7.84	10.47	11.16	11.80	11.96
31	10.54	---	10.02	9.69	---	9.12	---	7.82	---	11.14	11.82	---
TOTAL	325.95	305.18	313.25	303.75	278.29	287.21	268.17	---	---	341.32	---	359.43
MEAN	10.51	10.17	10.10	9.80	9.60	9.26	8.94	---	---	11.01	---	11.98
MAX	10.62	10.50	10.22	9.99	9.70	9.48	9.11	---	---	11.23	---	12.03
MIN	10.25	9.89	10.02	9.66	9.49	9.10	8.69	---	---	10.51	---	11.82

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

UPSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.40	12.39	11.69	11.32	12.01	12.12	11.51	11.46	---	11.33	11.02	11.85
2	12.41	12.39	11.65	11.37	11.98	12.09	11.52	11.42	---	---	11.06	11.96
3	12.42	12.38	11.61	11.43	11.93	12.06	11.52	11.38	---	---	11.08	12.07
4	12.42	12.45	11.58	11.45	11.95	12.05	11.52	11.35	---	---	11.10	12.13
5	12.43	12.47	11.54	11.44	11.98	12.03	11.56	11.31	---	---	11.11	12.18
6	12.46	12.47	11.51	11.39	12.01	11.99	11.59	11.26	---	---	11.11	12.21
7	12.50	12.55	11.48	11.31	12.03	11.94	11.59	11.22	---	11.14	11.11	12.22
8	12.53	12.58	11.44	11.25	12.05	11.90	11.58	11.18	11.42	11.12	11.11	12.26
9	12.55	12.62	11.41	11.35	12.07	11.86	11.58	11.14	11.22	11.07	11.13	12.32
10	12.55	12.80	11.37	11.45	12.09	11.82	11.60	11.09	11.11	11.01	11.15	12.41
11	12.52	12.71	11.34	11.43	12.09	11.77	11.59	11.04	11.04	10.97	11.16	12.45
12	12.48	12.61	11.30	11.28	12.14	11.72	11.58	10.99	11.01	10.95	11.18	12.48
13	12.52	12.32	11.25	11.25	12.16	11.75	11.58	10.96	10.96	10.98	11.23	12.54
14	12.82	12.23	11.20	11.24	12.16	11.74	11.57	10.95	10.92	11.01	11.30	12.64
15	12.87	12.17	11.16	11.25	12.15	11.67	11.55	10.93	10.90	10.94	11.32	12.74
16	12.85	12.11	11.16	11.34	12.15	11.62	11.72	10.87	10.89	10.78	11.33	12.82
17	12.81	12.05	11.22	11.44	12.15	11.63	11.75	10.81	10.89	10.69	11.34	12.85
18	12.77	12.02	11.24	11.52	12.16	11.70	11.73	10.83	10.85	10.61	11.34	12.87
19	12.72	11.99	11.34	11.55	12.15	11.68	11.71	10.94	10.82	10.53	11.33	12.89
20	12.65	12.01	11.37	11.46	12.13	11.64	11.69	---	10.76	10.45	11.32	12.90
21	12.59	12.09	11.37	11.51	12.12	11.62	11.67	10.99	10.76	10.39	11.31	12.92
22	12.52	12.15	11.37	11.57	12.11	11.61	11.66	11.00	10.82	10.37	11.30	12.94
23	12.46	12.12	11.35	11.64	12.17	11.59	11.63	10.99	10.86	10.44	11.30	12.96
24	12.40	12.00	11.34	11.68	12.16	11.57	11.60	10.98	10.92	10.56	11.30	12.97
25	12.33	11.96	11.36	11.77	12.14	11.59	11.58	10.95	11.05	10.57	11.31	13.00
26	12.27	11.92	11.37	11.84	12.14	11.58	11.56	10.93	11.15	10.56	11.35	13.03
27	12.21	11.88	11.35	11.85	12.16	11.56	11.56	10.90	11.22	10.55	11.38	13.06
28	12.19	11.85	11.33	11.86	12.14	11.55	11.54	10.91	11.30	10.60	11.43	13.10
29	12.25	11.80	11.31	11.90	---	11.53	11.52	---	11.36	10.74	11.54	13.11
30	12.27	11.74	11.28	11.94	---	11.52	11.49	---	11.34	10.85	11.65	13.04
31	12.36	---	11.30	11.98	---	11.51	---	---	---	10.97	11.76	---
TOTAL	387.53	366.83	352.59	357.06	338.68	364.01	347.85	---	---	---	349.46	378.92
MEAN	12.50	12.23	11.37	11.52	12.10	11.74	11.59	---	---	---	11.27	12.63
MAX	12.87	12.80	11.69	11.98	12.17	12.12	11.75	---	---	---	11.76	13.11
MIN	12.19	11.74	11.16	11.24	11.93	11.51	11.49	---	---	---	11.02	11.85

261150080270001 NORTH NEW RIVER CANAL AT S-11-A, NEAR ANDYTOWN, FL

DOWNSTREAM GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.98	11.01	11.30	10.61	11.60	11.94	11.43	11.35	---	10.32	10.29	10.17
2	11.99	10.97	11.28	10.60	11.64	11.92	11.43	11.32	---	---	10.26	10.21
3	12.01	10.92	11.26	10.59	11.69	11.91	11.42	11.29	---	---	10.21	10.26
4	12.01	10.99	11.24	10.58	11.71	11.90	11.41	11.26	---	---	10.17	10.24
5	12.00	10.98	11.22	10.59	11.74	11.88	11.46	11.22	---	---	10.11	10.25
6	11.99	10.96	11.21	10.60	11.77	11.85	11.47	11.18	---	---	10.08	10.25
7	11.99	10.98	11.19	10.61	11.80	11.81	11.46	11.15	---	10.24	10.03	10.24
8	11.99	10.95	11.17	10.61	11.82	11.78	11.45	11.11	10.87	10.23	9.99	10.22
9	11.99	10.95	11.15	10.72	11.84	11.75	11.45	11.08	10.88	10.23	10.00	10.22
10	11.98	11.05	11.13	10.78	11.85	11.71	11.47	11.03	10.84	10.21	9.98	10.22
11	11.96	11.08	11.12	10.83	11.87	11.67	11.46	10.98	10.79	10.19	9.99	10.23
12	11.94	11.13	11.09	10.88	11.91	11.63	11.45	10.94	10.75	10.21	10.02	10.23
13	11.88	11.24	11.05	10.88	11.93	11.69	11.44	10.90	10.72	10.19	10.05	10.21
14	11.76	11.24	11.03	10.88	11.93	11.66	11.44	10.84	10.70	10.22	10.09	10.24
15	11.72	11.23	11.00	10.88	11.93	11.59	11.43	10.79	10.70	10.28	---	10.27
16	11.68	11.22	10.96	10.94	11.93	11.55	11.59	10.74	10.68	10.29	---	10.30
17	11.65	11.20	10.91	10.97	11.93	11.56	11.62	10.69	10.63	10.26	10.02	10.30
18	11.62	11.19	10.87	10.97	11.94	11.63	11.60	10.60	10.58	10.24	10.04	10.30
19	11.59	11.18	10.80	11.02	11.94	11.60	11.58	10.50	10.52	10.21	10.00	10.27
20	11.55	11.24	10.76	11.10	11.92	11.57	11.56	---	10.48	10.19	9.97	10.26
21	11.51	11.31	10.74	11.13	11.92	11.56	11.55	10.35	10.46	10.21	9.91	10.25
22	11.48	11.35	10.70	11.17	11.92	11.54	11.53	10.32	10.43	10.20	9.86	10.25
23	11.46	11.37	10.68	11.20	11.97	11.52	11.51	10.25	10.39	10.23	9.87	10.23
24	11.43	11.41	10.67	11.24	11.96	11.51	11.48	10.19	10.38	10.24	9.87	10.22
25	11.40	11.40	10.66	11.30	11.95	11.54	11.46	10.14	10.39	10.19	9.89	10.22
26	11.37	11.39	10.64	11.40	11.96	11.52	11.45	10.08	10.40	10.17	9.95	10.24
27	11.34	11.38	10.63	11.48	11.98	11.50	11.44	10.03	10.37	10.19	10.03	10.26
28	11.28	11.37	10.61	11.49	11.96	11.48	11.42	10.01	10.32	10.25	10.03	10.23
29	11.21	11.35	10.59	11.52	---	11.46	11.40	---	10.30	10.26	10.05	10.28
30	11.16	11.32	10.56	11.55	---	11.44	11.38	---	10.32	10.27	10.12	10.38
31	11.08	---	10.58	11.57	---	11.43	---	---	---	10.29	10.16	---
TOTAL	362.00	335.36	338.80	340.69	332.31	361.10	344.24	---	---	---	---	307.45
MEAN	11.68	11.18	10.93	10.99	11.87	11.65	11.47	---	---	---	---	10.25
MAX	12.01	11.41	11.30	11.57	11.98	11.94	11.62	---	---	---	---	10.38
MIN	11.08	10.92	10.56	10.58	11.60	11.43	11.38	---	---	---	---	10.17

261023080443001 SITE 62 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

LOCATION.--Lat 26°10'28", long 80°45'05", T.36 S., R.49 E., Broward County, Hydrologic Unit 03090202, 20.5 mi west of intersection of I-75 and U.S. Highway 27 and 1.5 mi north of I-75.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft Sept. 8, 1992; minimum, 8.06 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.96 ft Oct. 1-5; minimum, 10.73 ft May 28.

STATION NUMBER 261023080443001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	11.24
2	---	---	---	---	---	---	---	---	---	---	---	11.24
3	---	---	---	---	---	---	---	---	---	---	---	11.26
4	---	---	---	---	---	---	---	---	---	---	---	11.28
5	---	---	---	---	---	---	---	---	---	---	---	11.30
6	---	---	---	---	---	---	---	---	---	---	---	11.30
7	---	---	---	---	---	---	---	---	---	---	---	11.30
8	---	---	---	---	---	---	---	---	---	---	---	11.31
9	---	---	---	---	---	---	---	---	---	---	11.36	11.37
10	---	---	---	---	---	---	---	---	---	---	11.33	11.38
11	---	---	---	---	---	---	---	---	---	---	11.30	11.39
12	---	---	---	---	---	---	---	---	---	---	11.28	11.40
13	---	---	---	---	---	---	---	---	---	---	11.26	11.40
14	---	---	---	---	---	---	---	---	---	---	11.25	11.43
15	---	---	---	---	---	---	---	---	---	---	11.26	11.44
16	---	---	---	---	---	---	---	---	---	---	11.25	11.44
17	---	---	---	---	---	---	---	---	---	---	11.24	11.45
18	---	---	---	---	---	---	---	---	---	---	11.22	11.45
19	---	---	---	---	---	---	---	---	---	---	11.21	11.43
20	---	---	---	---	---	---	---	---	---	---	11.19	11.43
21	---	---	---	---	---	---	---	---	---	---	11.20	11.42
22	---	---	---	---	---	---	---	---	---	---	11.25	11.43
23	---	---	---	---	---	---	---	---	---	---	11.31	11.43
24	---	---	---	---	---	---	---	---	---	---	11.32	11.43
25	---	---	---	---	---	---	---	---	---	---	11.31	11.42
26	---	---	---	---	---	---	---	---	---	---	11.30	11.46
27	---	---	---	---	---	---	---	---	---	---	11.29	11.47
28	---	---	---	---	---	---	---	---	---	---	11.28	11.44
29	---	---	---	---	---	---	---	---	---	---	11.27	11.41
30	---	---	---	---	---	---	---	---	---	---	11.28	11.39
31	---	---	---	---	---	---	---	---	---	---	11.26	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	341.54
MEAN	---	---	---	---	---	---	---	---	---	---	---	11.38
MAX	---	---	---	---	---	---	---	---	---	---	---	11.47
MIN	---	---	---	---	---	---	---	---	---	---	---	11.24

261023080443001 SITE 62 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.04	10.89	10.52	10.22	10.26	10.10	9.90	8.13	11.88	11.52	11.93
2	11.35	11.02	10.91	10.50	10.20	10.25	10.07	9.82	8.09	11.89	11.49	11.93
3	11.37	10.99	10.92	10.50	10.20	10.23	10.10	9.74	8.09	11.89	11.48	11.95
4	11.47	10.97	10.92	10.48	10.18	10.22	10.16	9.67	8.80	11.89	11.51	11.98
5	11.45	10.96	10.92	10.47	10.31	10.20	10.15	9.59	9.55	11.89	11.50	11.99
6	11.43	10.95	10.92	10.46	10.43	10.19	10.14	9.52	10.30	11.87	11.48	12.00
7	11.40	10.95	10.92	10.44	10.42	10.17	10.13	9.46	10.34	11.86	11.48	12.00
8	11.39	10.94	10.92	10.43	10.40	10.15	10.13	9.38	10.37	11.84	11.48	12.01
9	11.37	10.91	10.90	10.42	10.39	10.13	10.11	9.32	10.39	11.82	11.44	12.01
10	11.36	10.88	10.90	10.40	10.39	10.11	10.10	9.27	10.41	11.80	11.42	11.98
11	11.35	10.88	10.88	10.39	10.38	10.10	10.12	9.20	10.45	11.80	11.42	11.96
12	11.34	10.86	10.87	10.37	10.36	10.08	10.21	9.14	10.49	11.79	11.42	11.94
13	11.32	10.85	10.84	10.36	10.34	10.08	10.21	9.09	10.61	11.81	11.42	11.95
14	11.31	10.83	10.83	10.36	10.34	10.07	10.19	9.04	10.79	11.78	11.42	11.97
15	11.28	10.80	10.81	10.35	10.33	10.05	10.17	8.99	10.82	11.77	11.47	11.99
16	11.27	10.80	10.78	10.33	10.32	10.01	10.14	8.99	10.85	11.75	11.46	11.99
17	11.25	10.79	10.77	10.32	10.30	9.94	10.12	9.09	10.89	11.72	11.44	11.98
18	11.23	10.76	10.75	10.31	10.29	9.87	10.09	9.04	10.94	11.71	11.43	11.97
19	11.20	10.76	10.72	10.30	10.28	9.82	10.10	8.94	10.96	11.71	11.42	11.96
20	11.17	10.75	10.70	---	10.30	9.77	10.22	8.88	10.96	11.71	11.41	11.94
21	11.14	10.72	10.69	10.28	10.29	9.69	10.22	8.82	10.94	11.72	11.41	11.94
22	11.16	10.70	10.66	10.27	---	9.68	10.21	8.76	10.94	11.71	11.44	11.94
23	11.16	10.70	10.64	10.27	---	10.01	10.19	8.70	11.09	11.69	11.49	11.95
24	11.16	10.69	10.63	10.29	10.25	10.12	10.16	8.65	11.20	11.67	11.64	11.97
25	11.15	10.66	10.62	10.28	10.24	10.12	10.17	8.58	11.24	11.65	11.72	11.98
26	11.14	10.65	10.60	10.26	10.30	10.12	10.15	8.51	11.49	11.63	11.73	11.98
27	11.11	10.64	10.58	10.26	10.30	10.11	10.13	8.44	11.62	11.61	11.75	11.98
28	11.08	10.64	10.57	10.24	10.29	10.12	10.09	8.37	11.72	11.58	11.76	11.98
29	11.08	10.69	10.57	10.24	10.28	10.13	10.04	8.31	11.80	11.56	11.82	11.97
30	11.08	10.86	10.55	10.25	---	10.13	9.98	8.25	11.86	11.55	11.92	11.96
31	11.05	---	10.53	10.24	---	10.12	---	8.18	---	11.53	11.93	---
TOTAL	---	324.64	333.71	---	---	312.05	304.10	279.64	316.13	364.08	357.72	359.08
MEAN	---	10.82	10.76	---	---	10.07	10.14	9.02	10.54	11.74	11.54	11.97
MAX	---	11.04	10.92	---	---	10.26	10.22	9.90	11.86	11.89	11.93	12.01
MIN	---	10.64	10.53	---	---	9.68	9.98	8.18	8.09	11.53	11.41	11.93

261023080443001 SITE 62 IN CONSERVATION AREA 3A, NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.96	11.27	11.16	10.77	11.50	11.73	11.47	11.43	11.18	11.14	11.38	11.21
2	11.95	11.23	11.15	10.77	11.51	11.74	11.47	11.42	11.17	11.14	11.35	11.22
3	11.96	11.21	11.14	10.76	11.52	11.73	11.45	11.40	11.15	11.14	11.34	11.24
4	11.96	11.22	11.14	10.76	11.52	11.74	11.44	11.38	11.17	11.11	11.34	11.24
5	11.94	11.21	11.14	10.77	11.54	11.74	11.47	11.36	11.28	11.10	11.32	11.30
6	11.92	11.21	11.12	10.78	11.56	11.73	11.48	11.33	11.28	11.14	11.29	11.40
7	11.90	11.23	11.11	10.77	11.56	11.71	11.46	11.30	11.28	11.14	11.25	11.45
8	11.88	11.21	11.10	10.75	11.56	11.68	11.45	11.27	11.28	11.14	11.21	11.52
9	11.85	11.21	11.08	10.84	11.56	11.66	11.45	11.26	11.25	11.18	11.19	11.51
10	11.83	11.26	11.07	10.88	11.57	11.64	11.48	11.24	11.24	11.21	11.17	11.50
11	11.80	11.26	11.06	10.88	11.60	11.63	11.46	11.20	11.21	11.20	11.15	11.52
12	11.79	11.23	11.04	10.91	11.61	11.61	11.45	11.19	11.18	11.18	11.15	11.56
13	11.75	11.22	11.02	10.92	11.62	11.66	11.44	11.17	11.15	11.19	11.17	11.58
14	11.72	11.21	11.01	10.93	11.62	11.63	11.43	11.14	11.15	11.18	11.28	11.61
15	11.71	11.17	11.00	10.93	11.63	11.60	11.42	11.07	11.19	11.18	11.24	11.62
16	11.68	11.15	11.00	11.03	11.63	11.59	11.56	11.01	11.22	11.16	11.20	11.64
17	11.65	11.13	10.98	11.07	11.64	11.57	11.58	11.01	11.20	11.15	11.19	11.64
18	11.63	11.12	10.96	11.08	11.64	11.58	11.58	10.99	11.17	11.12	11.17	11.65
19	11.60	11.11	10.94	11.09	11.64	11.58	11.57	10.98	11.16	11.09	11.16	11.68
20	11.57	11.11	10.93	11.13	11.64	11.57	11.57	10.96	11.12	11.11	11.13	11.67
21	11.53	11.12	10.91	11.14	11.64	11.56	11.56	10.92	11.10	11.08	11.11	11.65
22	11.50	11.12	10.90	11.15	11.64	11.56	11.55	10.89	11.09	11.08	11.07	11.64
23	11.48	11.15	10.88	11.17	11.70	11.55	11.54	10.86	11.07	11.10	11.06	11.63
24	11.47	11.17	10.87	11.17	11.70	11.54	11.52	10.83	11.08	11.22	11.13	11.61
25	11.44	11.17	10.86	11.22	11.70	11.52	11.51	10.81	11.07	11.20	11.25	11.64
26	11.41	11.18	10.84	11.41	11.71	11.52	11.50	10.77	11.06	11.17	11.23	11.70
27	11.39	11.18	10.82	11.45	11.74	11.50	11.49	10.75	11.07	11.18	11.24	11.64
28	11.36	11.18	10.81	11.46	11.74	11.49	11.48	10.79	11.12	11.24	11.24	11.63
29	11.33	11.18	10.80	11.49	---	11.47	11.47	10.97	11.12	11.30	11.22	11.62
30	11.31	11.17	10.78	11.50	---	11.47	11.45	11.03	11.14	11.33	11.22	11.61
31	11.29	---	10.77	11.50	---	11.46	---	11.12	---	11.40	11.22	---
TOTAL	361.56	335.59	340.39	342.48	325.24	359.76	344.75	343.85	334.95	346.30	347.67	346.13
MEAN	11.66	11.19	10.98	11.05	11.62	11.61	11.49	11.09	11.16	11.17	11.22	11.54
MAX	11.96	11.27	11.16	11.50	11.74	11.74	11.58	11.43	11.28	11.40	11.38	11.70
MIN	11.29	11.11	10.77	10.75	11.50	11.46	11.42	10.75	11.06	11.08	11.06	11.21

260810080222001 SITE 99 NEAR L-35A IN CONSERVATION AREA 2B, NEAR SUNRISE, FL

LOCATION.--Lat 26°08'21", long 80°22'03", in sec.32, T.49 S., R.40 E., Broward County, Hydrologic Unit 03090202, located in Conservation Area 2B, north of North New River Canal, West of Markham Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to present.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Rainfall data available in files of the Geological Survey. Prior to July 1991 station operated by the U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.26 ft Nov. 23, 24, 1992; minimum, 4.12 ft May 26, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.26 ft Nov. 23, 24; minimum, 8.28 ft Aug. 29.

STATION NUMBER 260810080222001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	9.61	9.96
2	---	---	---	---	---	---	---	---	---	---	9.62	9.94
3	---	---	---	---	---	---	---	---	---	---	9.62	9.92
4	---	---	---	---	---	---	---	---	---	---	9.61	9.91
5	---	---	---	---	---	---	---	---	---	---	9.60	9.90
6	---	---	---	---	---	---	---	---	---	---	9.58	9.87
7	---	---	---	---	---	---	---	---	---	---	9.60	9.84
8	---	---	---	---	---	---	---	---	---	---	9.62	---
9	---	---	---	---	---	---	---	---	---	---	9.63	---
10	---	---	---	---	---	---	---	---	---	---	9.65	---
11	---	---	---	---	---	---	---	---	---	---	9.67	---
12	---	---	---	---	---	---	---	---	---	9.03	9.69	---
13	---	---	---	---	---	---	---	---	---	9.04	9.69	---
14	---	---	---	---	---	---	---	---	---	9.07	9.68	---
15	---	---	---	---	---	---	---	---	---	9.13	9.69	---
16	---	---	---	---	---	---	---	---	---	9.17	9.74	---
17	---	---	---	---	---	---	---	---	---	9.19	9.76	---
18	---	---	---	---	---	---	---	---	---	9.22	9.76	9.65
19	---	---	---	---	---	---	---	---	---	9.27	9.75	9.64
20	---	---	---	---	---	---	---	---	---	9.33	9.74	9.62
21	---	---	---	---	---	---	---	---	---	9.35	9.75	9.61
22	---	---	---	---	---	---	---	---	---	9.41	9.82	9.58
23	---	---	---	---	---	---	---	---	---	9.50	9.86	9.57
24	---	---	---	---	---	---	---	---	---	9.50	9.89	9.56
25	---	---	---	---	---	---	---	---	---	9.50	9.91	---
26	---	---	---	---	---	---	---	---	---	9.52	9.92	---
27	---	---	---	---	---	---	---	---	---	9.53	9.94	9.62
28	---	---	---	---	---	---	---	---	---	9.55	9.95	9.59
29	---	---	---	---	---	---	---	---	---	9.56	9.96	9.56
30	---	---	---	---	---	---	---	---	---	9.59	9.97	9.53
31	---	---	---	---	---	---	---	---	---	9.61	9.97	---
TOTAL	---	---	---	---	---	---	---	---	---	---	302.25	---
MEAN	---	---	---	---	---	---	---	---	---	---	9.75	---
MAX	---	---	---	---	---	---	---	---	---	---	9.97	---
MIN	---	---	---	---	---	---	---	---	---	---	9.58	---

260810080222001 SITE 99 NEAR L-35A IN CONSERVATION AREA 23, NEAR SUNRISE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.56	10.26	9.93	9.28	8.73	8.14	7.14	4.91	---	8.65	9.23	10.17
2	9.58	10.24	9.91	9.29	8.70	8.11	7.09	4.79	---	8.67	9.25	10.18
3	9.58	10.22	9.90	9.27	8.67	8.07	7.09	4.67	---	8.68	9.26	10.27
4	9.60	10.21	9.92	9.25	8.64	8.03	7.11	4.57	5.33	8.68	9.28	10.35
5	9.57	10.18	9.87	9.21	8.66	8.00	7.07	4.49	5.69	8.67	9.30	10.35
6	---	10.15	9.83	9.18	8.71	7.97	7.01	4.43	5.69	8.65	9.33	10.36
7	---	10.12	9.81	9.17	8.70	7.95	6.96	4.37	5.86	8.64	9.37	10.37
8	---	10.11	9.79	9.14	8.68	7.91	6.92	4.32	5.86	8.65	9.43	10.37
9	---	10.09	9.77	9.12	8.66	7.87	6.86	4.28	5.71	8.63	9.45	10.38
10	9.87	10.04	9.76	9.10	8.64	7.83	6.84	4.24	5.55	8.63	9.47	10.39
11	9.88	10.01	9.74	9.08	8.63	7.80	6.85	4.21	5.44	8.64	9.49	10.39
12	9.92	9.99	9.71	9.04	8.60	7.76	6.89	4.18	5.41	8.66	9.53	10.39
13	9.94	9.96	9.69	9.02	8.58	7.73	6.92	4.16	5.59	8.73	9.55	10.40
14	9.95	9.93	9.68	9.01	8.55	7.69	6.88	4.58	5.77	8.77	9.56	10.43
15	9.99	9.91	9.67	9.01	8.52	7.66	6.83	4.53	5.90	8.80	9.57	10.48
16	10.04	9.89	9.65	8.99	8.50	7.61	6.78	4.47	6.24	8.83	9.60	10.51
17	10.04	9.88	9.60	8.95	8.47	7.57	6.72	4.43	7.19	8.85	9.66	10.53
18	10.05	9.86	9.58	8.93	8.44	7.52	6.66	4.68	7.45	8.87	9.70	10.55
19	---	9.84	9.55	8.90	8.42	7.48	6.60	4.75	7.57	8.89	9.74	10.57
20	---	9.82	9.48	8.88	8.39	7.44	6.62	4.61	7.62	8.91	9.76	10.58
21	---	9.80	9.49	8.86	8.36	7.38	6.55	4.50	7.63	8.95	9.81	10.58
22	---	9.78	9.48	8.82	8.34	7.33	6.47	4.41	7.62	9.05	9.88	10.59
23	---	9.76	9.46	8.84	8.31	7.36	6.34	4.34	7.61	9.09	9.92	10.65
24	---	9.77	9.43	8.89	8.28	7.37	6.10	4.26	7.72	9.14	10.07	10.68
25	10.17	9.74	9.41	8.86	8.26	7.37	5.90	4.20	7.81	9.18	10.18	10.69
26	10.22	9.69	9.39	8.84	8.27	7.36	5.74	---	7.97	9.19	10.17	10.69
27	10.24	9.66	9.36	8.81	8.24	7.34	5.55	---	8.11	9.21	10.14	10.70
28	10.25	9.63	9.35	8.79	8.21	7.31	5.37	---	8.32	9.21	10.14	10.71
29	10.26	9.66	9.34	8.79	8.18	7.28	5.20	---	8.49	9.22	10.15	10.71
30	10.25	9.92	---	8.78	---	7.23	5.05	---	8.61	9.23	10.17	10.72
31	10.27	---	---	8.77	---	7.19	---	---	---	9.23	10.18	---
TOTAL	---	298.12	---	278.87	246.34	236.66	196.11	---	---	275.20	300.34	314.74
MEAN	---	9.94	---	9.00	8.49	7.63	6.54	---	---	8.88	9.69	10.49
MAX	---	10.26	---	9.29	8.73	8.14	7.14	---	---	9.23	10.18	10.72
MIN	---	9.63	---	8.77	8.18	7.19	5.05	---	---	8.63	9.23	10.17

260810080222001 SITE 99 NEAR L-35A IN CONSERVATION AREA 23, NEAR SUNRISE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.78	10.77	11.01	10.55	---	10.34	9.98	9.47	9.20	8.61	8.72	8.34
2	10.83	10.76	10.97	10.54	---	10.31	9.97	9.44	9.18	8.64	8.70	8.38
3	10.83	10.75	10.95	10.53	---	10.25	9.94	9.40	9.16	8.61	8.67	8.43
4	10.85	10.84	10.91	10.53	---	10.27	9.90	9.39	9.14	8.58	8.64	8.45
5	10.87	10.88	10.89	10.54	10.75	10.26	9.93	9.36	9.13	8.55	8.61	8.45
6	10.87	10.88	10.86	10.55	10.74	10.23	9.93	9.34	9.13	8.52	8.59	8.44
7	10.86	10.90	10.84	10.53	10.72	10.20	9.89	---	9.13	8.52	8.55	8.42
8	10.85	10.89	10.82	10.51	10.71	10.19	9.85	---	9.10	8.52	8.53	8.40
9	10.86	10.92	10.79	10.62	10.68	10.16	9.82	---	9.07	8.50	8.54	8.39
10	10.86	11.05	10.77	10.70	10.66	10.13	9.83	---	9.04	8.48	8.56	8.43
11	10.86	11.04	10.77	10.73	10.63	10.11	9.79	---	9.02	8.46	8.60	8.42
12	10.87	11.05	10.73	10.72	10.64	10.06	9.76	---	8.99	8.45	8.64	8.40
13	10.86	11.07	10.69	10.71	10.63	10.16	9.73	---	8.96	8.45	8.62	8.38
14	10.86	11.10	10.66	10.70	10.60	10.12	9.70	---	8.93	8.47	8.61	8.40
15	10.85	11.08	10.64	10.68	10.56	10.08	9.64	---	8.91	8.51	8.60	8.48
16	10.85	11.06	10.62	10.73	10.52	10.02	9.84	---	8.88	8.49	8.57	8.53
17	10.85	11.04	10.61	10.76	10.52	10.05	9.87	---	8.84	8.48	8.54	8.56
18	10.86	11.05	10.60	10.73	10.52	10.17	9.84	---	8.83	8.46	8.52	8.57
19	10.86	11.03	10.58	10.72	10.49	10.17	9.81	8.98	8.79	8.47	8.49	8.56
20	10.82	11.07	10.57	10.69	10.43	10.15	9.77	8.96	8.76	8.44	8.45	8.54
21	10.82	11.13	10.56	10.68	10.40	10.16	9.74	8.91	8.74	8.46	8.44	8.53
22	10.81	11.17	10.54	10.69	10.38	10.16	9.74	8.87	8.75	8.47	8.42	8.51
23	10.82	11.22	10.53	10.69	10.43	10.15	9.69	8.82	8.73	8.54	8.39	8.49
24	10.82	11.24	10.52	10.67	10.41	10.14	9.63	8.78	8.73	8.53	8.36	8.47
25	10.82	11.22	10.55	10.72	10.36	10.13	9.60	8.75	8.70	8.52	8.32	8.44
26	10.81	11.18	10.57	10.79	10.36	10.12	9.60	8.72	8.69	8.50	8.33	8.42
27	10.80	11.17	10.55	10.88	10.40	10.10	9.59	8.68	8.67	8.52	8.33	8.40
28	10.79	11.15	10.55	10.79	10.38	10.08	9.56	8.69	8.64	8.65	8.31	8.38
29	10.79	11.11	10.54	10.78	---	10.05	9.53	8.77	8.61	8.69	8.31	8.35
30	10.78	11.05	10.52	10.79	---	10.02	9.51	9.02	8.58	8.71	8.35	8.34
31	10.78	---	10.52	10.79	---	9.99	---	9.11	---	8.72	8.35	---
TOTAL	335.84	330.87	331.23	331.04	---	314.53	292.98	---	267.03	264.52	263.66	253.30
MEAN	10.83	11.03	10.68	10.68	---	10.15	9.77	---	8.90	8.53	8.51	8.44
MAX	10.87	11.24	11.01	10.88	---	10.34	9.98	---	9.20	8.72	8.72	8.57
MIN	10.78	10.75	10.52	10.51	---	9.99	9.51	---	8.58	8.44	8.31	8.34

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW1/4 sec.25, T.50 S., R.41 E., Broward County, Hydrologic Unit 03090202, 18 ft from north bank, 150 ft upstream from pump station S-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.

REVISED RECORDS.--WDR FL-87-2A: 1962-86 (maximum daily reverse flow).

GAGE.--Dual water-stage recorder and gate-opening recorder. Prior to September 30, 1984, deflection vane and prior to September 30, 1985, electromagnetic velocity meter at same site. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated discharge. Records fair. 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. The discharge published represents gate discharge computed by U.S.G.S. combined with pump discharge computed by S.F.W.M.D. unless otherwise noted.

COOPERATION.--Gate-opening and pump records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1958-86, 1988, 1990).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 4.16 ft Oct. 8, 1991; minimum, -0.79 ft July 14, 1961.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 2.49 ft Nov. 9; minimum, .01 ft Nov. 11, June 2.

STATION NUMBER 02286100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.66	1.80	1.67	1.62	1.69	1.68	1.66	1.76	.25	1.46	1.49	1.65
2	1.58	1.81	1.72	1.87	1.69	1.71	1.66	1.76	.56	1.50	1.41	1.68
3	1.88	1.79	1.74	1.83	1.72	1.68	1.75	1.77	1.71	1.51	1.48	1.68
4	1.79	1.62	1.70	1.64	1.75	1.70	1.67	1.77	1.64	1.52	1.49	1.69
5	1.58	1.68	1.73	1.82	1.70	1.72	1.73	1.75	1.41	1.52	1.49	1.68
6	1.70	1.64	1.83	1.87	1.71	1.79	1.69	1.67	1.19	1.55	1.49	1.69
7	1.99	1.63	1.86	1.85	1.67	1.72	1.73	1.61	1.35	1.58	1.59	1.70
8	2.04	1.66	1.72	1.86	1.71	1.72	1.78	1.90	1.25	1.67	1.73	1.69
9	1.90	1.83	1.91	1.85	1.72	1.78	1.75	1.78	1.30	1.68	1.71	1.69
10	1.85	1.25	1.85	1.88	1.72	1.66	1.73	1.97	1.37	1.74	1.54	1.71
11	1.75	.49	1.64	1.83	1.71	1.67	1.73	1.95	1.36	1.74	1.69	1.71
12	1.70	1.72	1.74	1.86	1.76	1.77	1.74	1.75	1.38	1.68	1.66	1.70
13	1.68	1.59	1.44	1.86	1.72	1.67	1.76	1.86	1.39	1.57	1.46	1.71
14	1.67	1.65	1.75	1.79	1.72	1.67	1.77	1.83	1.45	1.40	1.49	1.66
15	1.63	1.65	1.69	1.84	1.74	1.71	1.69	1.88	1.35	1.13	1.50	1.68
16	1.62	1.66	1.65	1.73	1.71	1.73	1.71	1.97	1.41	1.49	1.51	1.73
17	1.63	1.70	1.75	1.64	1.69	1.68	1.71	2.01	1.43	1.41	1.57	1.69
18	1.61	1.32	1.66	1.79	1.73	1.45	1.70	2.03	1.61	1.47	1.72	1.58
19	1.61	1.87	1.83	1.85	1.73	1.66	1.71	2.06	1.73	1.49	1.73	1.55
20	1.66	1.14	1.91	1.88	1.77	1.60	1.73	2.09	1.62	1.37	1.70	1.52
21	1.65	.59	1.95	1.83	1.81	1.47	1.73	2.08	1.61	1.08	1.70	1.48
22	1.64	1.28	1.97	1.74	1.72	1.47	1.73	2.05	1.69	1.54	1.70	1.47
23	1.63	1.41	1.82	1.86	1.69	1.43	1.70	2.01	1.71	1.63	1.70	1.45
24	1.62	1.77	1.69	1.78	1.69	1.50	1.76	2.00	1.60	1.56	1.70	1.47
25	1.62	1.64	1.83	1.25	1.81	1.46	1.80	1.99	1.50	1.51	1.69	1.49
26	1.70	1.78	1.96	1.55	1.64	1.52	1.67	1.98	1.50	1.47	1.70	1.49
27	1.63	1.57	2.02	1.69	1.65	1.49	1.80	1.97	1.50	1.48	1.69	1.48
28	1.62	1.63	1.70	1.74	1.69	1.45	1.82	1.99	1.51	1.38	1.70	1.51
29	1.63	1.74	1.90	1.74	---	1.48	1.68	1.96	1.53	1.23	1.64	1.50
30	1.73	1.65	1.98	1.74	---	1.48	1.74	1.77	1.51	1.49	1.61	1.46
31	1.78	---	1.81	1.67	---	1.55	---	1.11	---	1.31	1.69	---
TOTAL	52.78	46.56	55.42	54.75	48.06	50.07	51.83	58.08	42.42	46.16	49.97	48.19
MEAN	1.70	1.55	1.79	1.77	1.72	1.62	1.73	1.87	1.41	1.49	1.61	1.61
MAX	2.04	1.87	2.02	1.88	1.81	1.79	1.82	2.09	1.73	1.74	1.73	1.73
MIN	1.58	.49	1.44	1.25	1.64	1.43	1.66	1.11	.25	1.08	1.41	1.45

02286100 SOUTH NEW RIVER CANAL AT S-13, NEAR DAVIE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.00	95	145	59	54	53	.00	429	74	189	128
2	---	---	64	92	71	45	77	.00	239	62	187	80
3	---	---	62	83	33	57	31	.00	183	62	129	111
4	---	---	76	120	44	28	57	.00	224	70	123	101
5	---	---	38	119	103	38	81	.00	199	41	103	98
6	---	---	.00	49	91	18	78	20	136	37	101	84
7	.00	---	64	67	108	19	45	31	204	38	43	78
8	---	---	46	46	81	42	44	13	144	64	64	97
9	---	---	.00	216	79	.00	49	56	148	53	81	99
10	---	---	68	211	75	54	63	35	117	37	139	77
11	---	308	89	200	44	15	38	51	87	130	84	93
12	---	---	24	170	36	.00	38	41	69	135	123	121
13	---	---	90	133	50	151	32	.00	88	178	141	145
14	---	147	22	148	44	93	.00	59	97	291	103	183
15	---	123	76	98	36	65	46	.00	90	274	87	195
16	---	104	1.8	127	48	37	103	.00	80	236	79	189
17	---	85	51	61	60	141	53	.00	68	203	85	180
18	---	200	23	82	2.1	211	68	.00	14	167	99	169
19	---	67	.00	88	42	192	47	.00	11	139	89	153
20	---	376	.00	87	-.60	199	37	.00	43	183	86	152
21	---	297	.00	30	18	190	35	.00	33	245	84	142
22	---	221	.00	87	38	203	32	.00	21	218	85	115
23	---	202	51	88	50	193	31	.00	15	251	89	98
24	---	116	56	26	30	167	.00	.00	105	228	91	97
25	---	139	.00	195	11	190	29	.00	126	207	81	96
26	---	92	.00	33	84	181	18	.00	93	177	86	94
27	---	163	17	100	74	152	.00	.00	93	198	75	95
28	---	90	79	78	37	145	.00	.00	74	192	110	79
29	---	85	.00	66	---	116	31	44	30	162	139	133
30	.00	65	.00	58	---	109	.00	150	65	189	166	131
31	.00	---	154	50	---	88	---	379	---	218	116	---
TOTAL	---	---	1246.80	3153	1447.50	3193.00	1216.00	879.00	3325	4759	3257	3613
MEAN	---	---	40.2	102	51.7	103	40.5	28.4	111	154	105	120
MAX	---	---	154	216	108	211	103	379	429	291	189	195
MIN	---	---	.00	26	-.60	.00	.00	.00	11	37	43	77
AC-FT	---	---	2470	6250	2870	6330	2410	1740	6600	9440	6460	7170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1993, BY WATER YEAR (WY)

MEAN	188	168	144	153	140	133	102	127	202	200	186	204
MAX	394	459	472	465	328	419	371	339	404	371	443	510
(WY)	1965	1970	1961	1961	1983	1970	1957	1969	1984	1958	1966	1960
MIN	43.2	9.49	5.25	4.10	.000	2.35	.000	.000	47.5	36.0	26.5	62.2
(WY)	1990	1990	1989	1990	1990	1971	1965	1965	1991	1971	1971	1989

SUMMARY STATISTICS	WATER YEARS 1957 - 1993	
ANNUAL MEAN	167	
HIGHEST ANNUAL MEAN	320	1960
LOWEST ANNUAL MEAN	51.9	1990
HIGHEST DAILY MEAN	2460	Dec 27 1986
LOWEST DAILY MEAN	-128	Sep 6 1965
ANNUAL SEVEN-DAY MINIMUM	-9.3	Mar 26 1974
ANNUAL RUNOFF (AC-FT)	121100	
10 PERCENT EXCEEDS	349	
50 PERCENT EXCEEDS	131	
90 PERCENT EXCEEDS	.00	

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL

LOCATION.--Lat 26°03'57", long 80°12'32", in SW1/4 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.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.98 ft Sept. 8, 1965; minimum, -1.97 ft Apr. 28, 1963.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.03 Oct. 1; minimum, -0.87 Mar. 14.

STATION NUMBER 02286101
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY TIDAL HIGH (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.03	1.60	1.79	1.57	1.44	1.39	1.39	1.32	2.05	1.44	1.60	1.43
2	2.95	1.58	1.55	1.50	1.70	1.51	1.29	1.26	1.85	1.47	1.45	1.40
3	2.58	1.48	1.52	1.87	1.68	1.71	1.07	1.26	1.83	1.44	1.37	1.35
4	2.35	1.52	1.53	1.71	1.85	1.84	1.66	1.21	1.78	1.36	1.30	1.21
5	1.96	1.43	1.42	1.57	2.17	1.43	2.00	1.26	1.67	1.36	1.18	1.36
6	2.13	1.40	1.43	1.66	2.42	1.53	1.92	1.30	1.59	1.34	1.05	1.24
7	2.08	1.42	1.35	1.73	2.34	1.53	1.88	1.33	1.52	1.31	1.05	1.35
8	2.47	1.67	1.50	1.74	2.08	1.63	1.95	1.45	1.36	1.19	.87	1.32
9	2.37	2.15	1.68	1.93	2.10	1.53	2.01	1.53	1.22	1.22	1.16	1.31
10	2.50	2.67	1.68	2.03	1.98	1.52	2.10	1.32	1.17	1.09	1.15	1.18
11	2.38	2.60	1.53	2.08	1.98	1.54	1.86	1.51	1.20	1.12	1.05	1.37
12	2.47	2.16	1.48	1.98	1.85	1.48	1.69	1.50	1.21	1.28	.97	1.60
13	2.38	2.10	1.64	1.89	1.71	1.51	1.57	1.22	1.16	1.37	1.15	1.64
14	2.36	1.87	1.80	1.87	1.62	.77	1.42	1.20	1.32	1.44	1.24	1.93
15	2.25	2.06	1.88	1.81	1.63	.46	1.51	1.33	1.44	1.38	1.41	2.17
16	2.22	1.97	1.93	2.00	1.78	.70	1.49	1.14	1.48	1.44	1.62	2.36
17	2.38	2.13	1.80	2.07	1.52	1.02	1.27	1.38	1.44	1.56	2.10	2.39
18	2.20	2.51	1.72	1.90	1.69	1.23	1.32	1.36	1.40	1.45	1.93	2.26
19	2.30	2.60	1.78	1.89	1.81	1.33	1.52	1.56	1.47	1.51	1.86	2.24
20	2.52	2.97	1.60	1.99	1.94	1.77	1.52	1.64	1.44	1.64	1.69	2.15
21	2.50	2.97	1.39	1.69	1.94	1.78	1.47	1.71	1.45	1.65	1.54	2.03
22	2.53	2.81	1.47	1.62	1.85	1.76	1.39	1.69	1.45	1.59	1.40	1.73
23	2.67	2.53	1.50	1.54	1.73	1.84	1.39	1.65	1.56	1.77	1.59	1.55
24	2.67	2.39	1.41	1.67	1.49	1.58	1.26	1.51	1.59	1.70	1.85	1.70
25	2.65	2.19	1.63	1.99	1.51	1.53	1.17	1.45	1.42	1.38	1.66	1.83
26	2.48	2.03	1.57	2.07	1.64	1.52	1.10	1.31	1.26	1.43	1.61	1.92
27	2.28	1.72	1.58	2.14	1.38	1.55	.99	1.25	1.19	1.59	1.67	1.75
28	2.12	1.71	1.70	2.38	1.34	1.46	1.15	1.48	1.14	1.70	1.72	1.84
29	1.96	1.71	1.67	2.06	---	1.31	1.32	1.44	1.29	1.74	1.70	1.94
30	1.76	1.74	1.59	1.78	---	1.23	1.37	1.55	1.31	1.70	1.54	1.88
31	1.58	---	1.59	1.60	---	1.29	---	2.24	---	1.68	1.45	---
TOTAL	73.08	61.69	49.71	57.33	50.17	44.28	45.05	44.36	43.26	45.34	44.93	51.43
MEAN	2.36	2.06	1.60	1.85	1.79	1.43	1.50	1.43	1.44	1.46	1.45	1.71
MAX	3.03	2.97	1.93	2.38	2.42	1.84	2.10	2.24	2.05	1.77	2.10	2.39
MIN	1.58	1.40	1.35	1.50	1.34	.46	.99	1.14	1.14	1.09	.87	1.18

02286101 SOUTH NEW RIVER CANAL BELOW S-13, NEAR DAVIE, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY TIDAL LOW (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	.18	.43	.24	.11	.07	.00	-.27	.36	-.55	.05	-.24
2	1.57	.37	.30	.52	.27	.19	-.29	-.46	.03	-.42	-.01	-.30
3	1.35	.33	.12	.39	.25	.26	-.43	-.60	.22	-.34	-.37	-.27
4	1.13	.33	.17	.20	.08	.07	-.45	-.76	.05	-.50	-.53	-.39
5	.85	.20	.06	.03	.35	-.12	.00	-.75	.18	-.50	-.45	-.28
6	.85	-.03	-.14	.04	.45	-.25	.00	-.75	-.20	-.49	-.49	-.27
7	.78	-.05	-.15	.01	.53	-.23	-.10	-.55	-.24	-.41	-.51	-.27
8	1.05	-.03	-.25	-.16	.12	-.28	.02	-.68	-.39	-.41	-.40	-.02
9	1.03	.40	-.25	.10	.26	-.43	.22	-.55	-.45	-.30	-.52	-.17
10	.95	.88	-.26	.48	.14	-.41	.14	-.41	-.36	-.37	-.27	-.39
11	.98	.87	-.36	.55	.13	-.29	.15	-.02	-.32	-.45	-.39	-.34
12	.72	.55	-.38	.38	.06	-.31	.00	-.26	-.27	-.34	-.54	-.12
13	.82	.53	-.02	.22	-.02	-.66	.07	-.21	-.27	-.01	-.52	-.17
14	.73	.43	-.02	.27	.06	-.87	.15	-.14	-.18	-.02	-.56	.07
15	.63	.40	.32	.27	.20	-.74	.07	-.23	-.13	.00	-.48	.36
16	.50	.44	.32	.76	.33	-.56	.00	-.31	-.02	-.02	-.29	.52
17	.67	.77	.21	.36	.12	-.57	.03	-.32	-.21	-.24	-.01	.54
18	.73	1.10	.06	.28	.23	.06	.01	-.30	-.40	-.31	.00	.43
19	.72	1.07	.07	.12	.18	.02	.00	-.26	-.40	-.35	-.10	.44
20	1.12	1.04	.03	.08	.24	.23	-.01	-.25	-.42	-.25	-.20	.44
21	1.10	1.54	-.32	.03	.41	.53	-.13	-.20	-.53	.12	-.39	.42
22	.99	.97	-.25	.00	.22	.54	-.25	-.24	-.34	-.13	-.50	.28
23	.83	.55	-.31	-.21	.19	.39	-.37	-.40	-.37	.04	-.32	.12
24	.89	.62	-.31	-.02	.00	.08	-.52	-.40	-.36	.00	.13	.15
25	.84	.52	-.25	.29	.04	.15	-.61	-.47	-.42	-.36	.10	.32
26	.65	.31	-.21	.62	.18	.18	-.68	-.50	-.62	-.43	.03	.50
27	.45	.32	.03	.81	-.02	-.02	-.42	-.38	-.63	-.13	.13	.21
28	.36	.35	.12	.96	-.09	-.18	-.42	-.24	-.64	.30	.09	.26
29	.30	.12	.06	.71	---	-.02	-.26	-.35	-.64	.31	.26	.40
30	.19	.37	.13	.32	---	-.18	-.22	-.02	-.64	.12	-.02	.40
31	.19	---	.47	.12	---	-.18	---	-.02	---	.42	-.13	---
TOTAL	24.96	15.45	-0.58	8.77	5.02	-3.53	-4.30	-11.30	-8.61	-6.02	-7.21	2.63
MEAN	.81	.51	-.02	.28	.18	-.11	-.14	-.36	-.29	-.19	-.23	.09
MAX	1.57	1.54	.47	.96	.53	.54	.22	-.02	.36	.42	.26	.54
MIN	.19	-.05	-.38	-.21	-.09	-.87	-.68	-.76	-.64	-.55	-.56	-.39

260037080303401 SITE 76 IN CONSERVATION AREA 3B NEAR ANDYTOWN, FL

LOCATION.--Lat 26°00'27", long 80°28'58", in NW1/4 sec.18, T.39 S., R.51 E., Broward County, Hydrologic Unit 03090202, in Conservation Area 3B on Levee 67C, 3 mi southwest of intersection of Levee 67C and Levee 67 A.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.50 ft Mar. 17, 1993; minimum, 6.66 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.50 Mar. 17; minimum, 7.58 Aug. 25.

STATION NUMBER 260037080303401
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	8.17	8.20
2	---	---	---	---	---	---	---	---	---	---	8.17	8.19
3	---	---	---	---	---	---	---	---	---	---	8.16	8.18
4	---	---	---	---	---	---	---	---	---	---	8.13	8.18
5	---	---	---	---	---	---	---	---	---	---	8.15	8.18
6	---	---	---	---	---	---	---	---	---	---	8.21	8.17
7	---	---	---	---	---	---	---	---	---	---	8.23	8.14
8	---	---	---	---	---	---	---	---	---	---	8.22	8.14
9	---	---	---	---	---	---	---	---	---	---	8.22	8.14
10	---	---	---	---	---	---	---	---	---	---	8.21	8.13
11	---	---	---	---	---	---	---	---	---	---	8.20	8.13
12	---	---	---	---	---	---	---	---	---	---	8.19	8.14
13	---	---	---	---	---	---	---	---	---	---	8.18	8.12
14	---	---	---	---	---	---	---	---	---	---	8.17	8.11
15	---	---	---	---	---	---	---	---	---	---	8.15	8.10
16	---	---	---	---	---	---	---	---	---	---	8.15	8.09
17	---	---	---	---	---	---	---	---	---	---	8.13	8.05
18	---	---	---	---	---	---	---	---	---	---	8.11	8.01
19	---	---	---	---	---	---	---	---	---	---	8.11	7.95
20	---	---	---	---	---	---	---	---	---	---	8.15	7.91
21	---	---	---	---	---	---	---	---	---	---	8.16	7.86
22	---	---	---	---	---	---	---	---	---	---	8.23	7.85
23	---	---	---	---	---	---	---	---	---	---	8.23	7.84
24	---	---	---	---	---	---	---	---	---	---	8.23	7.81
25	---	---	---	---	---	---	---	---	---	8.11	8.28	7.78
26	---	---	---	---	---	---	---	---	---	8.10	8.33	7.78
27	---	---	---	---	---	---	---	---	---	8.10	8.30	7.75
28	---	---	---	---	---	---	---	---	---	8.11	8.27	7.72
29	---	---	---	---	---	---	---	---	---	8.14	8.25	7.69
30	---	---	---	---	---	---	---	---	---	8.14	8.23	7.66
31	---	---	---	---	---	---	---	---	---	8.16	8.21	---
TOTAL	---	---	---	---	---	---	---	---	---	---	254.13	240.00
MEAN	---	---	---	---	---	---	---	---	---	---	8.20	8.00
MAX	---	---	---	---	---	---	---	---	---	---	8.33	8.20
MIN	---	---	---	---	---	---	---	---	---	---	8.11	7.66

260037080303401 SITE 76 IN CONSERVATION AREA 3B NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.65	7.80	7.59	7.35	7.30	7.21	7.12	7.06	6.73	7.21	---	---
2	7.66	7.78	7.58	7.39	7.29	7.20	7.12	7.06	6.69	7.25	---	---
3	7.68	7.77	7.56	7.39	7.28	7.19	7.17	7.05	6.68	7.28	---	---
4	7.71	7.75	7.55	7.39	7.28	7.18	7.20	7.04	6.74	7.31	---	---
5	7.70	7.74	7.53	7.38	7.30	7.17	7.19	7.03	6.77	7.35	---	---
6	7.68	7.72	7.51	7.38	7.33	7.16	7.18	7.02	6.84	7.44	7.95	---
7	7.69	7.71	7.50	7.38	7.34	7.15	7.17	7.01	6.85	7.47	8.00	---
8	7.77	7.69	7.49	7.37	7.35	7.14	7.17	7.00	6.85	7.50	8.04	---
9	7.88	7.66	7.48	7.37	7.36	7.14	7.16	6.99	6.86	7.53	8.05	---
10	7.88	7.64	7.46	7.36	7.38	7.14	7.16	6.99	6.86	7.55	8.06	---
11	7.86	7.62	7.46	7.35	7.39	7.13	7.15	6.99	6.86	7.58	8.09	---
12	7.84	7.61	7.45	7.34	7.40	7.12	7.16	6.98	6.86	7.61	8.14	---
13	7.82	7.59	7.44	7.34	7.39	7.10	7.16	6.99	6.87	7.65	8.14	---
14	7.81	7.58	7.43	7.35	7.38	7.11	7.15	7.02	6.92	7.67	8.14	---
15	7.80	7.57	7.42	7.36	7.36	7.12	7.14	7.01	6.98	7.68	8.13	---
16	7.78	7.56	7.41	7.34	7.35	7.12	7.13	7.00	6.94	7.70	8.15	---
17	7.75	7.56	7.39	7.34	7.33	7.12	7.12	6.98	6.92	7.76	8.17	---
18	7.74	7.54	7.38	7.33	7.32	7.11	7.12	6.97	6.92	7.85	8.16	---
19	7.72	7.53	7.37	7.32	7.30	7.10	7.13	6.95	6.91	7.85	8.20	---
20	7.72	7.52	7.35	---	7.29	7.10	7.20	6.93	6.92	7.87	---	---
21	7.71	7.51	7.34	7.30	7.29	7.10	7.18	6.92	6.92	7.90	---	---
22	7.72	7.50	7.33	7.30	7.29	7.09	7.17	6.91	6.92	7.94	---	---
23	7.74	7.48	7.33	7.32	7.28	7.15	7.14	6.90	6.95	7.95	---	---
24	7.73	7.47	7.32	7.36	7.26	7.19	7.13	6.89	7.06	7.95	---	---
25	7.80	7.45	7.32	7.34	7.25	7.18	7.12	6.87	7.05	7.95	---	8.35
26	7.89	7.44	7.31	7.33	7.26	7.18	7.11	6.85	7.07	7.94	---	8.34
27	7.89	7.42	7.32	7.32	7.25	7.19	7.10	6.83	7.10	7.94	---	8.32
28	7.87	7.42	7.32	7.32	7.24	7.18	7.09	6.82	7.15	7.94	---	8.31
29	7.85	7.45	7.32	7.31	7.22	7.16	7.08	6.80	7.17	---	---	8.31
30	7.83	7.61	7.32	7.31	---	7.10	7.07	6.77	7.19	---	---	8.30
31	7.82	---	7.33	7.31	---	7.10	---	6.75	---	---	---	---
TOTAL	240.99	227.69	229.91	---	212.06	221.43	214.29	215.38	207.55	---	---	---
MEAN	7.77	7.59	7.42	---	7.31	7.14	7.14	6.95	6.92	---	---	---
MAX	7.89	7.80	7.59	---	7.40	7.21	7.20	7.06	7.19	---	---	---
MIN	7.65	7.42	7.31	---	7.22	7.09	7.07	6.75	6.68	---	---	---

260037080303401 SITE 76 IN CONSERVATION AREA 3B NEAR ANDYTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.30	8.17	8.35	8.02	8.22	8.26	8.29	8.04	8.04	8.00	7.91	7.72
2	8.30	8.16	8.34	8.00	8.22	8.26	8.27	8.03	8.04	8.01	7.90	7.81
3	8.34	8.15	8.33	7.99	8.22	8.26	8.25	8.02	8.04	8.02	7.88	7.84
4	8.34	8.29	8.32	7.99	8.22	8.26	8.23	8.01	8.03	8.00	7.86	7.82
5	8.33	8.31	8.32	7.99	8.23	8.26	8.26	8.00	8.05	7.98	7.83	7.82
6	8.32	8.31	8.31	7.97	8.23	8.25	8.24	7.99	8.07	7.96	7.79	7.81
7	8.31	8.30	8.30	7.95	8.24	8.25	8.22	7.99	8.06	7.94	7.76	7.78
8	8.31	8.30	8.30	7.93	8.24	8.25	8.20	7.99	8.05	7.95	7.73	7.76
9	8.30	8.32	8.30	8.02	8.24	8.24	8.20	7.98	8.04	7.94	7.72	7.74
10	8.29	8.43	8.29	8.06	8.24	8.24	8.20	7.96	8.02	7.93	7.69	7.74
11	8.28	8.42	8.28	8.06	8.25	8.24	8.18	7.94	8.01	7.92	7.67	7.76
12	8.27	8.42	8.26	8.04	8.26	8.24	8.17	7.94	8.03	7.93	7.67	7.74
13	8.27	8.40	8.26	8.02	8.26	8.30	8.15	7.93	8.06	7.93	7.69	7.74
14	8.26	8.39	8.25	8.03	8.26	8.31	8.14	7.92	8.05	7.92	7.75	7.75
15	8.25	8.37	8.24	8.04	8.26	8.30	8.12	7.90	8.04	7.94	7.73	7.81
16	8.24	8.35	8.24	8.08	8.26	8.29	8.26	7.87	8.02	7.93	7.72	7.82
17	8.23	8.33	8.23	8.10	8.26	8.34	8.26	7.85	8.02	7.91	7.71	7.81
18	8.23	8.34	8.23	8.10	8.25	8.47	8.24	7.83	8.01	7.90	7.71	7.79
19	8.22	---	8.22	8.12	8.22	8.46	8.22	7.81	7.99	7.88	7.69	7.77
20	8.22	---	8.22	8.12	8.21	8.46	8.21	7.79	7.98	7.88	7.66	7.76
21	8.22	---	8.21	8.13	8.20	8.45	8.20	7.76	8.01	7.91	7.63	7.73
22	8.21	---	8.20	8.14	8.19	8.44	8.18	7.74	8.02	7.90	7.64	7.72
23	8.20	---	8.18	8.14	8.22	8.42	8.16	7.71	8.00	7.88	7.62	7.71
24	8.20	---	8.15	8.15	8.22	8.40	8.14	7.69	7.99	7.87	7.60	7.69
25	8.20	8.44	8.12	8.17	8.22	8.39	8.13	7.67	8.00	7.86	7.61	7.69
26	8.19	8.43	8.10	8.21	8.23	8.38	8.12	7.64	8.04	7.85	7.67	7.69
27	8.19	8.42	8.07	8.22	8.26	8.36	8.11	7.61	8.05	7.84	7.71	7.67
28	8.19	8.40	8.04	8.21	8.26	8.34	8.09	7.61	8.03	7.88	7.73	7.66
29	8.18	8.38	8.01	8.21	---	8.32	8.07	7.68	8.02	7.90	7.73	7.68
30	8.18	8.36	7.98	8.22	---	8.30	8.06	7.81	8.02	7.90	7.72	7.72
31	8.17	---	7.98	8.22	---	8.28	---	7.95	---	7.92	7.72	---
TOTAL	255.74	---	254.63	250.65	230.59	258.02	245.57	243.66	240.83	245.58	239.45	232.55
MEAN	8.25	---	8.21	8.09	8.24	8.32	8.19	7.86	8.03	7.92	7.72	7.75
MAX	8.34	---	8.35	8.22	8.26	8.47	8.29	8.04	8.07	8.02	7.91	7.84
MIN	8.17	---	7.98	7.93	8.19	8.24	8.06	7.61	7.98	7.84	7.60	7.66

255828080401301 SITE 64 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°58'31", long 80°40'10", in T.37 S., R.51 E., Broward County, Hydrologic Unit 03090202, approximately 17 mi northwest of Coopertown. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Satellite data collection platform and water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data is available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.17 ft Oct. 3, 1992; minimum, 8.25 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.17 Oct. 3; minimum, 9.82 Aug. 23.

STATION NUMBER 255828080401301
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	9.38	10.53	10.36
2	---	---	---	---	---	---	---	---	---	9.38	10.52	10.37
3	---	---	---	---	---	---	---	---	---	9.38	10.52	10.42
4	---	---	---	---	---	---	---	---	---	9.38	10.50	10.40
5	---	---	---	---	---	---	---	---	---	9.38	10.49	10.37
6	---	---	---	---	---	---	---	---	---	9.38	10.48	10.36
7	---	---	---	---	---	---	---	---	---	9.38	10.48	10.34
8	---	---	---	---	---	---	---	---	---	9.38	10.47	10.32
9	---	---	---	---	---	---	---	---	---	9.38	10.45	10.31
10	---	---	---	---	---	---	---	---	---	9.38	10.45	10.30
11	---	---	---	---	---	---	---	---	---	9.38	10.43	10.28
12	---	---	---	---	---	---	---	---	---	9.38	10.42	10.26
13	---	---	---	---	---	---	---	---	---	9.38	10.41	10.25
14	---	---	---	---	---	---	---	---	---	9.38	10.40	10.23
15	---	---	---	---	---	---	---	---	---	9.38	10.38	10.21
16	---	---	---	---	---	---	---	---	---	9.38	10.36	10.19
17	---	---	---	---	---	---	---	---	---	9.38	10.34	10.18
18	---	---	---	---	---	---	---	---	---	9.38	10.32	10.17
19	---	---	---	---	---	---	---	---	---	9.38	10.30	10.17
20	---	---	---	---	---	---	---	---	9.14	9.38	10.29	10.16
21	---	---	---	---	---	---	---	---	9.13	9.38	10.32	10.17
22	---	---	---	---	---	---	---	---	9.13	9.38	10.40	10.16
23	---	---	---	---	---	---	---	---	9.14	9.38	10.44	10.15
24	---	---	---	---	---	---	---	---	9.16	9.96	10.47	10.16
25	---	---	---	---	---	---	---	---	9.18	10.34	10.48	10.17
26	---	---	---	---	---	---	---	---	9.28	10.35	10.47	10.21
27	---	---	---	---	---	---	---	---	9.33	10.35	10.46	10.24
28	---	---	---	---	---	---	---	---	9.36	10.35	10.43	10.24
29	---	---	---	---	---	---	---	---	9.37	10.40	10.41	10.23
30	---	---	---	---	---	---	---	---	9.38	10.53	10.41	10.23
31	---	---	---	---	---	---	---	---	---	10.52	10.39	---
TOTAL	---	---	---	---	---	---	---	---	---	298.54	323.22	307.61
MEAN	---	---	---	---	---	---	---	---	---	9.63	10.43	10.25
MAX	---	---	---	---	---	---	---	---	---	10.53	10.53	10.42
MIN	---	---	---	---	---	---	---	---	---	9.38	10.29	10.15

255828080401301 SITE 64 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.25	10.48	10.18	10.02	9.75	9.51	9.16	8.95	8.27	9.94	10.31	10.75
2	10.30	10.47	10.19	10.02	9.73	9.49	9.14	8.93	8.25	9.97	10.30	10.76
3	10.32	10.45	10.19	10.01	9.72	9.48	9.16	8.91	8.30	9.99	10.29	10.80
4	10.33	10.43	10.18	10.00	9.70	9.46	9.20	8.89	8.50	10.01	10.28	10.84
5	10.37	10.40	10.16	9.99	9.74	9.45	9.19	8.86	8.57	10.02	10.29	10.85
6	10.37	10.39	10.16	9.97	9.78	9.44	9.16	8.84	8.76	10.04	10.29	10.86
7	10.41	10.37	10.15	9.96	9.77	9.42	9.15	8.82	8.78	10.05	10.30	10.87
8	10.47	10.36	10.15	9.95	9.76	9.42	9.13	8.80	8.84	10.07	10.32	10.88
9	10.48	10.34	10.15	9.94	9.75	9.41	9.12	8.78	8.85	10.08	10.33	10.88
10	10.49	10.32	10.14	9.93	9.75	9.39	9.10	8.76	8.83	10.08	10.34	10.91
11	10.50	10.30	10.14	9.91	9.73	9.38	9.08	8.73	8.81	10.09	10.37	10.93
12	10.50	10.28	10.13	9.90	9.72	9.36	9.07	8.71	8.81	10.11	10.39	10.95
13	10.49	10.26	10.13	9.89	9.70	9.35	9.05	8.69	8.84	10.12	10.40	10.95
14	10.49	10.24	10.12	9.89	9.69	9.33	9.02	8.68	8.93	10.14	10.41	10.98
15	10.49	10.25	10.12	9.89	9.68	9.32	9.00	8.66	8.99	10.15	10.45	11.02
16	10.49	10.23	10.10	9.87	9.67	9.30	8.98	8.64	9.00	10.15	10.46	11.04
17	10.48	10.22	10.08	9.85	9.66	9.28	8.96	8.63	9.00	10.15	10.46	11.06
18	10.47	10.20	10.08	9.83	9.64	9.25	8.94	8.62	9.00	10.17	10.45	11.07
19	10.45	10.19	10.07	9.83	9.63	9.24	8.95	8.59	9.04	10.22	10.45	11.08
20	10.45	10.18	10.06	9.81	9.61	9.22	9.03	8.57	9.03	10.23	10.45	11.08
21	10.45	10.17	10.05	9.80	9.61	9.19	9.01	8.55	9.03	10.25	10.46	11.08
22	10.47	10.16	10.05	9.78	9.62	9.17	8.99	8.53	9.03	10.30	10.46	11.08
23	10.48	10.15	10.04	9.82	9.60	9.25	8.97	8.51	9.09	10.31	10.45	11.09
24	10.48	10.13	10.03	9.86	9.59	9.32	8.97	8.48	9.18	10.32	10.67	11.11
25	10.50	10.11	10.03	9.84	9.58	9.30	9.09	8.46	9.28	10.32	10.70	11.13
26	10.52	10.08	10.03	9.82	9.58	9.28	9.07	8.42	9.45	10.31	10.67	11.13
27	10.53	10.07	10.02	9.81	9.57	9.25	9.05	8.39	9.51	10.31	10.67	11.13
28	10.52	10.07	10.02	9.80	9.55	9.23	9.02	8.36	9.58	10.31	10.67	11.12
29	10.51	10.09	10.03	9.79	9.53	9.22	9.00	8.32	9.72	10.29	10.68	11.12
30	10.51	10.17	10.03	9.78	---	9.20	8.97	8.28	9.89	10.28	10.72	11.12
31	10.49	---	10.02	9.77	---	9.18	---	8.26	---	10.29	10.74	---
TOTAL	324.06	307.56	313.03	306.33	280.41	289.09	271.73	267.62	269.16	315.07	324.23	329.67
MEAN	10.45	10.25	10.10	9.88	9.67	9.33	9.06	8.63	8.97	10.16	10.46	10.99
MAX	10.53	10.48	10.19	10.02	9.78	9.51	9.20	8.95	9.89	10.32	10.74	11.13
MIN	10.25	10.07	10.02	9.77	9.53	9.17	8.94	8.26	8.25	9.94	10.28	10.75

255828080401301 SITE 64 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.11	10.68	10.61	10.45	10.71	10.68	10.66	10.40	10.46	10.10	10.01	9.99
2	11.12	10.66	10.61	10.45	10.72	10.69	10.63	10.39	10.45	10.12	10.00	10.04
3	11.17	10.63	10.60	10.45	10.71	10.72	10.59	10.38	10.44	10.13	9.98	10.08
4	11.17	10.72	10.59	10.47	10.72	10.72	10.58	10.36	10.43	10.12	9.96	10.08
5	11.14	10.72	10.59	10.47	10.72	10.68	10.60	10.35	10.44	10.11	9.94	10.10
6	11.11	10.68	10.57	10.48	10.73	10.66	10.57	10.33	10.46	10.11	9.92	10.10
7	11.11	10.65	10.57	10.48	10.74	10.67	10.55	10.31	10.50	10.09	9.90	10.11
8	11.10	10.63	10.58	10.49	10.74	10.65	10.53	10.31	10.49	10.07	9.89	10.12
9	11.09	10.64	10.57	10.60	10.72	10.64	10.54	10.30	10.45	10.08	9.91	10.13
10	11.08	10.76	10.57	10.62	10.72	10.65	10.54	10.28	10.42	10.10	9.93	10.13
11	11.07	10.73	10.56	10.62	10.73	10.64	10.51	10.26	10.39	10.12	9.92	10.13
12	11.05	10.72	10.53	10.62	10.74	10.65	10.50	10.25	10.37	10.16	9.90	10.14
13	11.03	10.70	10.53	10.62	10.72	10.72	10.49	10.24	10.35	10.14	9.88	10.14
14	11.01	10.66	10.52	10.61	10.70	10.65	10.48	10.21	10.33	10.13	9.87	10.16
15	10.99	10.62	10.52	10.63	10.71	10.62	10.48	10.19	10.32	10.13	9.87	10.17
16	11.00	10.60	10.52	10.67	10.71	10.63	10.63	10.16	10.31	10.09	9.87	10.19
17	11.03	10.59	10.51	10.66	10.70	10.66	10.62	10.14	10.30	10.06	9.88	10.19
18	11.02	10.59	10.51	10.64	10.68	10.70	10.60	10.12	10.28	10.03	9.88	10.19
19	10.99	10.59	10.50	10.64	10.64	10.67	10.58	10.10	10.26	10.01	9.88	10.18
20	10.96	10.63	10.49	10.64	10.65	10.69	10.57	10.08	10.23	10.01	9.86	10.17
21	10.92	10.68	10.48	10.64	10.67	10.71	10.56	10.05	10.21	10.03	9.85	10.17
22	10.89	10.73	10.48	10.63	10.68	10.71	10.54	10.01	10.20	10.01	9.83	10.17
23	10.86	10.72	10.47	10.63	10.71	10.70	10.51	9.98	10.19	10.03	9.82	10.19
24	10.83	10.71	10.46	10.63	10.68	10.69	10.50	9.95	10.17	10.07	9.84	10.18
25	10.82	10.71	10.45	10.65	10.69	10.70	10.49	9.93	10.16	10.02	9.88	10.17
26	10.80	10.70	10.45	10.73	10.70	10.71	10.48	9.90	10.16	10.00	9.86	10.17
27	10.78	10.69	10.44	10.68	10.70	10.69	10.46	9.87	10.15	10.00	9.86	10.17
28	10.76	10.66	10.43	10.68	10.68	10.67	10.44	9.90	10.13	10.02	9.90	10.18
29	10.75	10.63	10.41	10.70	---	10.65	10.42	10.05	10.13	10.06	9.94	10.23
30	10.73	10.62	10.40	10.71	---	10.63	10.41	10.23	10.12	10.03	9.97	10.28
31	10.70	---	10.42	10.71	---	10.65	---	10.35	---	10.03	9.97	---
TOTAL	340.19	320.05	325.94	328.70	299.72	330.90	316.06	315.38	309.30	312.21	306.97	304.45
MEAN	10.97	10.67	10.51	10.60	10.70	10.67	10.54	10.17	10.31	10.07	9.90	10.15
MAX	11.17	10.76	10.61	10.73	10.74	10.72	10.66	10.40	10.50	10.16	10.01	10.28
MIN	10.70	10.59	10.40	10.45	10.64	10.62	10.41	9.87	10.12	10.00	9.82	9.99

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'00", long 80°37'00", in T.52 S., R.35 E., Dade County, Hydrologic Unit 03090202, along east side of L67A Levee, between L67A and L67C Levee, 11.3 mi northeast of access gate at Tamiami Trail (U.S. 41). No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform (DCP) and water-stage shaft encoder with tipping bucket rain gage attached. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Rainfall data is available in files of the Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.31 ft Oct. 17, 1992; minimum, 7.39 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 9.31 Oct. 17; minimum, 8.53 May 28.

STATION NUMBER 255300080370001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	8.79	8.78
2	---	---	---	---	---	---	---	---	---	---	8.78	8.77
3	---	---	---	---	---	---	---	---	---	---	8.77	8.77
4	---	---	---	---	---	---	---	---	---	---	8.76	8.76
5	---	---	---	---	---	---	---	---	---	---	8.75	8.78
6	---	---	---	---	---	---	---	---	---	---	8.75	8.77
7	---	---	---	---	---	---	---	---	---	---	8.75	8.76
8	---	---	---	---	---	---	---	---	---	---	8.74	8.77
9	---	---	---	---	---	---	---	---	---	---	8.74	8.80
10	---	---	---	---	---	---	---	---	---	---	8.76	8.80
11	---	---	---	---	---	---	---	---	---	---	8.75	8.78
12	---	---	---	---	---	---	---	---	---	8.36	8.75	8.78
13	---	---	---	---	---	---	---	---	---	8.36	8.75	8.77
14	---	---	---	---	---	---	---	---	---	8.38	8.75	8.75
15	---	---	---	---	---	---	---	---	---	8.46	8.75	8.74
16	---	---	---	---	---	---	---	---	---	8.55	8.74	8.73
17	---	---	---	---	---	---	---	---	---	8.55	8.72	8.72
18	---	---	---	---	---	---	---	---	---	8.54	8.70	8.71
19	---	---	---	---	---	---	---	---	---	8.55	8.71	8.69
20	---	---	---	---	---	---	---	---	---	8.58	8.76	8.68
21	---	---	---	---	---	---	---	---	---	8.60	8.75	8.67
22	---	---	---	---	---	---	---	---	---	8.63	8.84	8.66
23	---	---	---	---	---	---	---	---	---	8.67	8.83	8.66
24	---	---	---	---	---	---	---	---	---	8.66	8.85	8.66
25	---	---	---	---	---	---	---	---	---	8.66	8.85	8.66
26	---	---	---	---	---	---	---	---	---	8.66	8.84	8.70
27	---	---	---	---	---	---	---	---	---	8.67	8.83	8.70
28	---	---	---	---	---	---	---	---	---	8.67	8.81	8.68
29	---	---	---	---	---	---	---	---	---	8.68	8.80	8.67
30	---	---	---	---	---	---	---	---	---	8.79	8.80	8.67
31	---	---	---	---	---	---	---	---	---	8.79	8.79	---
TOTAL	---	---	---	---	---	---	---	---	---	---	271.96	261.84
MEAN	---	---	---	---	---	---	---	---	---	---	8.77	8.73
MAX	---	---	---	---	---	---	---	---	---	---	8.85	8.80
MIN	---	---	---	---	---	---	---	---	---	---	8.70	8.66

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.74	8.88	8.59	8.47	8.32	8.20	8.05	7.87	7.43	8.38	8.40	---
2	8.74	8.86	8.61	8.47	8.30	8.19	8.03	7.86	7.41	8.38	8.40	---
3	8.76	8.85	8.61	8.47	8.30	8.19	8.04	7.85	7.42	8.37	8.40	---
4	8.75	8.82	8.60	8.47	8.29	8.18	8.06	7.83	7.48	8.35	8.40	---
5	8.74	8.80	8.58	8.46	8.30	8.17	8.05	7.82	7.48	8.34	8.40	---
6	8.75	8.79	8.58	8.45	8.30	8.16	8.04	7.81	7.51	8.35	8.40	---
7	8.78	8.78	8.57	8.45	8.30	8.15	8.02	7.79	7.53	8.35	8.40	---
8	8.80	8.77	8.57	8.44	8.31	8.15	8.02	7.78	7.55	8.35	8.40	---
9	8.87	8.75	8.57	8.43	8.30	8.14	8.01	7.77	7.57	8.35	8.40	---
10	8.88	8.74	8.57	8.42	8.30	8.13	8.00	7.76	7.63	8.35	8.40	---
11	8.88	8.72	8.56	8.41	8.30	8.12	7.98	7.75	7.69	8.36	8.40	---
12	8.88	8.70	8.55	8.40	8.30	8.10	7.98	7.74	7.67	8.36	8.40	---
13	8.87	8.69	8.55	8.40	8.29	8.10	7.98	7.73	7.68	8.36	8.45	---
14	8.86	8.67	---	8.40	8.29	8.09	7.96	7.72	7.68	8.36	8.45	---
15	8.86	8.67	---	8.40	8.29	8.09	7.95	7.71	7.70	8.36	8.45	---
16	8.85	8.66	8.53	8.39	8.28	8.08	7.94	7.70	7.71	8.36	8.45	---
17	8.84	8.65	8.51	8.37	8.27	8.06	7.93	7.69	7.73	8.36	8.45	9.12
18	8.82	8.64	8.50	8.37	8.26	8.05	7.92	7.68	7.74	8.36	8.45	9.16
19	8.81	8.63	8.50	8.36	8.26	8.05	7.93	7.67	7.76	8.37	8.45	9.17
20	8.80	8.62	8.48	---	8.24	8.04	8.01	7.66	7.80	8.39	8.45	9.18
21	8.79	8.61	8.47	8.34	8.24	8.02	8.00	7.65	7.89	8.39	8.46	9.18
22	8.80	8.61	8.47	8.33	---	8.01	7.99	7.64	7.87	8.40	8.49	9.17
23	8.80	8.60	8.47	8.35	---	8.07	7.97	7.63	7.89	8.40	8.49	9.18
24	8.80	8.58	8.47	8.38	8.24	8.16	7.96	7.61	7.95	8.40	8.60	9.19
25	8.91	8.57	8.46	8.37	8.23	8.14	7.95	7.60	8.01	8.40	---	9.22
26	8.92	8.55	8.46	8.36	8.25	8.13	7.94	7.57	8.08	8.40	---	9.23
27	8.94	8.54	8.46	8.35	8.24	8.11	7.92	7.55	8.13	8.40	---	9.22
28	8.94	8.54	8.47	8.35	8.22	8.10	7.90	7.53	8.17	8.40	---	9.22
29	8.93	8.55	8.47	8.34	8.21	8.09	7.89	7.51	8.24	8.40	---	9.22
30	8.91	8.58	8.47	8.34	---	8.08	7.89	7.48	8.38	8.40	---	9.21
31	8.89	---	8.47	8.34	---	8.06	---	7.45	---	8.40	---	---
TOTAL	273.91	260.42	---	---	---	251.41	239.31	238.41	232.78	259.60	---	---
MEAN	8.84	8.68	---	---	---	8.11	7.98	7.69	7.76	8.37	---	---
MAX	8.94	8.88	---	---	---	8.20	8.06	7.87	8.38	8.40	---	---
MIN	8.74	8.54	---	---	---	8.01	7.89	7.45	7.41	8.34	---	---

255300080370001 SITE 69 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.20	9.02	9.10	8.96	9.09	9.07	9.14	8.97	8.96	8.81	8.69	8.67
2	9.23	9.01	9.09	8.96	9.09	9.06	9.11	8.95	8.96	8.82	8.68	8.71
3	9.27	8.99	9.08	8.96	9.08	9.06	9.09	8.94	8.95	8.81	8.67	8.76
4	9.26	9.11	9.08	8.98	9.08	9.05	9.07	8.92	8.94	8.80	8.65	8.76
5	9.25	9.13	9.07	8.98	9.08	9.05	9.08	8.91	8.94	8.79	8.63	8.79
6	9.23	9.10	9.06	8.98	9.08	9.03	9.08	8.89	8.96	8.78	8.62	8.78
7	9.22	9.11	9.06	8.97	9.09	9.03	9.06	8.88	8.98	8.77	8.61	8.77
8	9.21	9.10	9.05	8.96	9.08	9.02	9.04	8.93	8.96	8.76	8.59	8.75
9	9.21	9.10	9.05	9.04	9.08	9.02	9.04	8.92	8.95	8.75	8.61	8.75
10	9.20	9.17	9.04	9.08	9.08	9.02	9.05	8.89	8.93	8.75	8.62	8.76
11	9.20	9.17	9.04	9.10	9.08	9.01	---	8.87	8.92	8.75	8.62	8.77
12	9.19	9.16	9.02	9.09	9.09	9.01	---	8.86	8.90	8.75	8.61	8.77
13	9.18	9.14	9.02	9.08	9.08	9.07	---	8.85	8.88	8.77	8.62	8.77
14	9.16	9.13	9.01	9.08	9.07	9.07	---	8.83	8.87	8.77	8.68	8.78
15	9.15	9.10	9.01	9.10	9.07	9.06	8.97	8.81	8.87	8.76	8.64	8.79
16	9.14	9.08	9.00	9.11	9.06	9.05	9.15	8.79	8.88	8.74	8.62	8.79
17	9.15	9.08	9.00	9.11	9.06	9.08	9.15	8.77	8.88	8.72	8.64	8.79
18	9.24	9.08	9.00	9.10	9.05	9.20	9.12	8.75	8.87	8.71	8.67	8.78
19	9.20	9.07	8.99	9.10	9.04	9.18	9.10	8.73	8.86	8.69	8.63	8.77
20	9.17	9.09	8.99	9.08	9.03	9.19	9.08	8.71	8.84	8.69	8.61	8.76
21	9.15	9.15	8.98	9.08	9.03	9.18	9.07	8.68	8.83	8.73	8.59	8.75
22	9.13	9.22	8.97	9.07	9.03	9.17	9.06	8.65	8.84	8.73	8.58	8.75
23	9.12	9.20	8.97	9.06	9.08	9.15	9.03	8.63	8.86	8.72	8.56	8.76
24	9.10	9.19	8.96	9.06	9.08	9.14	9.02	8.61	8.85	8.71	8.55	8.75
25	9.10	9.18	8.95	9.06	9.06	9.15	9.00	8.59	8.84	8.69	8.55	8.73
26	9.09	9.17	8.95	9.10	9.07	9.17	8.99	8.57	8.84	8.68	8.56	8.73
27	9.07	9.16	8.94	9.11	9.08	9.16	8.99	8.55	8.84	8.69	8.56	8.73
28	9.06	9.15	8.94	9.10	9.08	9.14	8.98	8.59	8.82	8.73	8.56	8.73
29	9.05	9.13	8.93	9.10	---	9.12	8.98	8.72	8.81	8.72	8.60	8.76
30	9.04	9.12	8.92	9.09	---	9.11	8.98	8.77	8.79	8.70	8.65	8.80
31	9.03	---	8.92	9.09	---	9.12	---	8.86	---	8.70	8.65	---
TOTAL	284.00	273.61	279.19	280.74	253.97	281.94	---	272.39	266.62	270.99	267.12	262.76
MEAN	9.16	9.12	9.01	9.06	9.07	9.09	---	8.79	8.89	8.74	8.62	8.76
MAX	9.27	9.22	9.10	9.11	9.09	9.20	---	8.97	8.98	8.82	8.69	8.80
MIN	9.03	8.99	8.92	8.96	9.03	9.01	---	8.55	8.79	8.68	8.55	8.67

254848080432001 SITE 65 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

LOCATION.--Lat 25°48'52", long 80°43'12", T.52 S., R.36 E., Dade County, Hydrologic Unit 03090202, in the Everglades Water Conservation Area 3A, 4 mi north of Tamiami Trail (US 41) and 5 mi west of L-67A. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1991 to present.

GAGE.--Satellite data collection platform and water-stage shaft encoder with tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Rainfall data is available in files of the Geological Survey.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.63 ft Sept. 24, 1992; minimum, 7.92 ft May 31, June 1-3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.51 Oct. 1; minimum, 9.11 May 27.

STATION NUMBER 254848080432001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	9.85	9.63
2	---	---	---	---	---	---	---	---	---	---	9.84	9.61
3	---	---	---	---	---	---	---	---	---	---	9.83	9.62
4	---	---	---	---	---	---	---	---	---	9.40	9.83	9.62
5	---	---	---	---	---	---	---	---	---	9.45	9.81	9.63
6	---	---	---	---	---	---	---	---	---	9.49	9.80	9.63
7	---	---	---	---	---	---	---	---	---	9.49	9.79	9.62
8	---	---	---	---	---	---	---	---	---	9.49	9.77	9.63
9	---	---	---	---	---	---	---	---	---	9.49	9.75	9.63
10	---	---	---	---	---	---	---	---	---	9.49	9.75	9.64
11	---	---	---	---	---	---	---	---	---	9.51	9.73	9.64
12	---	---	---	---	---	---	---	---	---	9.53	9.71	9.63
13	---	---	---	---	---	---	---	---	---	9.52	9.71	9.63
14	---	---	---	---	---	---	---	---	---	9.55	9.70	9.62
15	---	---	---	---	---	---	---	---	---	9.61	9.69	9.61
16	---	---	---	---	---	---	---	---	---	9.66	9.68	9.61
17	---	---	---	---	---	---	---	---	---	9.66	9.66	9.61
18	---	---	---	---	---	---	---	---	---	9.66	9.63	9.61
19	---	---	---	---	---	---	---	---	---	9.66	9.61	9.61
20	---	---	---	---	---	---	---	---	---	9.67	9.60	9.61
21	---	---	---	---	---	---	---	---	---	9.70	9.61	9.62
22	---	---	---	---	---	---	---	---	---	9.71	9.65	9.63
23	---	---	---	---	---	---	---	---	---	9.71	9.65	9.65
24	---	---	---	---	---	---	---	---	---	9.71	9.67	9.66
25	---	---	---	---	---	---	---	---	---	9.73	9.72	9.69
26	---	---	---	---	---	---	---	---	---	9.73	9.72	9.75
27	---	---	---	---	---	---	---	---	---	9.73	9.71	9.78
28	---	---	---	---	---	---	---	---	---	9.74	9.68	9.77
29	---	---	---	---	---	---	---	---	---	9.78	9.67	9.75
30	---	---	---	---	---	---	---	---	---	9.89	9.67	9.76
31	---	---	---	---	---	---	---	---	---	9.87	9.65	---
TOTAL	---	---	---	---	---	---	---	---	---	---	301.14	289.50
MEAN	---	---	---	---	---	---	---	---	---	---	9.71	9.65
MAX	---	---	---	---	---	---	---	---	---	---	9.85	9.78
MIN	---	---	---	---	---	---	---	---	---	---	9.60	9.61

254848080432001 SITE 65 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.82	9.98	9.81	9.68	9.40	9.17	8.83	8.52	7.92	9.33	9.35	10.19
2	9.86	9.96	9.81	9.68	9.38	9.15	8.81	8.50	7.92	9.33	9.41	10.21
3	9.88	9.93	9.81	9.67	9.37	9.14	8.81	8.48	7.99	9.34	9.39	10.23
4	9.89	9.91	9.80	9.66	9.36	9.12	8.82	8.46	8.17	9.34	9.38	10.27
5	9.91	9.90	9.79	9.64	9.36	9.11	8.80	8.44	8.18	9.35	9.37	10.27
6	9.92	9.89	9.79	9.63	9.37	9.10	8.79	8.42	8.20	9.38	9.38	10.27
7	9.97	9.89	9.79	9.62	9.36	9.08	8.78	8.40	8.20	9.37	9.43	10.27
8	9.96	9.88	9.79	9.61	9.37	9.06	8.77	8.38	8.22	9.36	9.51	10.29
9	10.01	9.87	9.79	9.60	9.36	9.05	8.75	8.36	8.26	9.33	9.49	10.31
10	10.02	9.84	9.78	9.59	9.37	9.04	8.73	8.34	8.26	9.32	9.50	10.31
11	10.04	9.82	9.78	9.57	9.37	9.02	8.72	8.31	8.25	9.31	9.53	10.32
12	10.04	9.81	9.77	9.55	9.36	9.00	8.73	8.29	8.28	9.32	9.64	10.32
13	10.03	9.79	9.77	9.55	9.35	8.98	8.72	8.27	8.35	9.32	9.64	10.33
14	10.02	9.79	9.77	9.54	9.34	8.98	8.69	8.25	8.38	9.33	9.60	10.35
15	10.01	9.79	9.76	9.53	9.33	8.96	8.67	8.24	8.49	9.33	9.60	10.42
16	10.01	9.79	9.75	9.51	9.31	8.94	8.66	8.23	8.50	9.32	9.63	10.44
17	9.99	9.78	9.73	9.49	9.30	8.92	8.64	8.22	8.52	9.31	9.65	10.46
18	9.98	9.77	9.72	9.48	9.29	8.91	8.62	8.19	8.52	9.31	9.63	10.50
19	9.97	9.76	9.71	9.47	9.27	8.89	8.64	8.17	8.55	9.34	9.61	10.50
20	9.95	9.76	9.70	---	9.26	8.86	8.73	8.14	8.56	9.36	9.61	10.50
21	9.95	9.76	9.69	9.44	9.26	8.84	8.71	8.13	8.57	9.38	9.62	10.49
22	9.95	9.76	9.69	9.44	---	8.82	8.68	8.12	8.59	9.39	9.62	10.48
23	9.96	9.76	9.68	9.45	---	8.88	8.66	8.10	8.64	9.39	9.61	10.48
24	9.95	9.75	9.67	9.48	9.24	8.98	8.64	8.07	8.80	9.39	9.77	10.54
25	9.97	9.73	9.67	9.47	9.23	8.97	8.67	8.05	8.86	9.38	9.86	10.58
26	10.01	9.71	9.67	9.47	9.23	8.94	8.64	8.04	8.96	9.37	9.92	10.55
27	10.05	9.71	9.66	9.46	9.21	8.92	8.62	8.02	9.04	9.37	9.98	10.53
28	10.04	9.71	9.70	9.45	9.20	8.90	8.59	8.00	9.11	9.36	10.02	10.53
29	10.04	9.73	9.72	9.44	9.18	8.89	8.57	7.98	9.21	9.36	10.07	10.53
30	10.01	9.81	9.71	9.43	---	8.87	8.55	7.96	9.33	9.35	10.15	10.52
31	10.00	---	9.70	9.42	---	8.86	---	7.94	---	9.34	10.17	---
TOTAL	309.21	294.34	301.98	---	---	278.35	261.04	255.02	254.83	289.78	299.14	311.99
MEAN	9.97	9.81	9.74	---	---	8.98	8.70	8.23	8.49	9.35	9.65	10.40
MAX	10.05	9.98	9.81	---	---	9.17	8.83	8.52	9.33	9.39	10.17	10.58
MIN	9.82	9.71	9.66	---	---	8.82	8.55	7.94	7.92	9.31	9.35	10.19

254848080432001 SITE 65 IN CONSERVATION AREA 3A NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.49	10.06	10.18	10.13	10.36	9.92	9.86	9.66	9.72	9.45	9.33	9.45
2	10.48	10.02	10.16	10.16	10.35	9.91	9.85	9.63	9.74	9.47	9.33	9.53
3	10.48	9.99	10.14	10.16	10.33	9.88	9.85	9.60	9.74	9.48	9.32	9.59
4	10.46	9.99	10.14	10.18	10.30	9.84	9.84	9.58	9.74	9.46	9.30	9.61
5	10.46	10.00	10.14	10.17	10.28	9.85	9.84	9.56	9.76	9.45	9.29	9.63
6	10.45	10.00	10.14	10.18	10.25	9.86	9.84	9.55	9.77	9.45	9.27	9.65
7	10.44	10.00	10.14	10.17	10.20	9.86	9.83	9.61	9.77	9.43	9.25	9.67
8	10.43	10.01	10.14	10.16	10.16	9.85	9.80	9.63	9.76	9.44	9.24	9.70
9	10.41	10.02	10.14	10.25	10.13	9.85	9.80	9.57	9.74	9.42	9.23	9.73
10	10.40	10.07	10.14	10.31	10.10	9.85	9.80	9.53	9.71	9.39	9.23	9.73
11	10.39	10.13	10.14	10.32	10.07	9.84	9.79	9.51	9.69	9.37	9.22	9.72
12	10.37	10.14	10.13	10.31	10.03	9.82	9.77	9.49	9.68	9.37	9.22	9.73
13	10.35	10.15	10.13	10.31	10.02	9.82	9.75	9.48	9.66	9.36	9.22	9.72
14	10.33	10.16	10.12	10.31	10.01	9.83	9.72	9.45	9.66	9.35	9.22	9.71
15	10.32	10.16	10.12	10.31	9.99	9.84	9.69	9.43	9.73	9.36	9.22	9.73
16	10.30	10.15	10.11	10.33	9.96	9.84	9.85	9.41	9.72	9.36	9.24	9.73
17	10.31	10.14	10.11	10.35	9.95	9.85	9.86	9.38	9.66	9.34	9.26	9.73
18	10.40	10.14	10.11	10.35	9.94	9.92	9.85	9.35	9.61	9.33	9.27	9.72
19	10.39	10.13	10.11	10.35	9.93	9.94	9.83	9.33	9.57	9.32	9.27	9.71
20	10.36	10.15	10.11	10.34	9.92	9.96	9.81	9.30	9.54	9.31	9.27	9.70
21	10.32	10.21	10.11	10.32	9.91	9.96	9.79	9.28	9.52	9.30	9.27	9.69
22	10.29	10.20	10.10	10.31	9.88	9.94	9.77	9.24	9.51	9.30	9.27	9.69
23	10.26	10.21	10.10	10.30	9.92	9.93	9.75	9.21	9.49	9.30	9.27	9.70
24	10.24	10.21	10.10	10.29	9.93	9.91	9.72	9.19	9.51	9.29	9.31	9.70
25	10.22	10.21	10.11	10.30	9.93	9.92	9.69	9.17	9.52	9.29	9.36	9.69
26	10.19	10.20	10.10	10.34	9.91	9.93	9.68	9.15	9.49	9.28	9.35	9.69
27	10.16	10.20	10.10	10.38	9.91	9.92	9.69	9.13	9.48	9.29	9.35	9.70
28	10.14	10.20	10.10	10.38	9.92	9.92	9.76	9.23	9.47	9.27	9.36	9.69
29	10.13	10.19	10.10	10.36	---	9.91	9.72	9.42	9.45	9.28	9.38	9.74
30	10.11	10.19	10.10	10.36	---	9.89	9.69	9.45	9.44	9.30	9.43	9.77
31	10.08	---	10.11	10.36	---	9.87	---	9.56	---	9.32	9.44	---
TOTAL	320.16	303.63	313.78	318.85	281.59	306.43	293.49	292.08	288.85	290.13	287.99	290.55
MEAN	10.33	10.12	10.12	10.29	10.06	9.88	9.78	9.42	9.63	9.36	9.29	9.68
MAX	10.49	10.21	10.18	10.38	10.36	9.96	9.86	9.66	9.77	9.48	9.44	9.77
MIN	10.08	9.99	10.10	10.13	9.88	9.82	9.68	9.13	9.44	9.27	9.22	9.45

255250080335001 SITE 71 IN CONSERVATION AREA 3B, NEAR COOPERTOWN, FL

LOCATION.--Lat 25°53'04", long 80°33'25", in T.52 S., R.35 E., Dade County, Hydrologic Unit 03090202, in Conservation Area 3B, 2.6 mi east of Levee 67-C and 8.3 mi southeast of intersection with Levee 30. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Rainfall data available in files of the U.S. Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.23 ft Nov. 21, 22 1992; minimum, 6.18 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.23 ft Nov. 21, 22; minimum, 7.46 ft May 27, 28.

STATION NUMBER 255250080335001
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	7.95	8.07
2	---	---	---	---	---	---	---	---	---	---	7.95	8.06
3	---	---	---	---	---	---	---	---	---	---	7.94	8.05
4	---	---	---	---	---	---	---	---	---	---	7.94	8.06
5	---	---	---	---	---	---	---	---	---	---	7.94	8.07
6	---	---	---	---	---	---	---	---	---	---	7.95	8.08
7	---	---	---	---	---	---	---	---	---	---	7.95	8.08
8	---	---	---	---	---	---	---	---	---	---	7.96	8.08
9	---	---	---	---	---	---	---	---	---	---	7.95	8.14
10	---	---	---	---	---	---	---	---	---	---	7.95	8.15
11	---	---	---	---	---	---	---	---	---	---	7.94	8.15
12	---	---	---	---	---	---	---	---	---	---	7.95	8.15
13	---	---	---	---	---	---	---	---	---	---	7.95	8.13
14	---	---	---	---	---	---	---	---	---	---	7.95	8.11
15	---	---	---	---	---	---	---	---	---	---	7.96	8.10
16	---	---	---	---	---	---	---	---	---	---	7.94	8.08
17	---	---	---	---	---	---	---	---	---	7.60	7.93	8.08
18	---	---	---	---	---	---	---	---	---	7.60	7.92	8.06
19	---	---	---	---	---	---	---	---	---	7.60	7.91	8.04
20	---	---	---	---	---	---	---	---	---	7.62	7.94	8.03
21	---	---	---	---	---	---	---	---	---	7.65	7.95	8.02
22	---	---	---	---	---	---	---	---	---	7.72	8.01	8.00
23	---	---	---	---	---	---	---	---	---	7.80	8.03	7.99
24	---	---	---	---	---	---	---	---	---	7.82	8.05	7.99
25	---	---	---	---	---	---	---	---	---	7.83	8.07	7.99
26	---	---	---	---	---	---	---	---	---	7.84	8.09	8.05
27	---	---	---	---	---	---	---	---	---	7.86	8.09	8.04
28	---	---	---	---	---	---	---	---	---	7.88	8.08	8.02
29	---	---	---	---	---	---	---	---	---	7.90	8.08	8.00
30	---	---	---	---	---	---	---	---	---	7.93	8.09	8.01
31	---	---	---	---	---	---	---	---	---	7.95	8.08	---
TOTAL	---	---	---	---	---	---	---	---	---	---	247.49	241.88
MEAN	---	---	---	---	---	---	---	---	---	---	7.98	8.06
MAX	---	---	---	---	---	---	---	---	---	---	8.09	8.15
MIN	---	---	---	---	---	---	---	---	---	---	7.91	7.99

255250080335001 SITE 71 IN CONSERVATION AREA 3B, NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.08	8.13	7.76	7.54	---	7.14	7.08	7.00	6.24	7.29	7.36	7.97
2	8.07	8.11	7.75	7.53	---	7.14	7.07	6.99	6.22	7.26	7.36	7.96
3	8.07	8.09	7.75	7.52	---	7.13	7.08	6.98	6.31	7.25	7.36	7.99
4	8.04	8.07	7.73	7.52	---	7.12	7.11	6.97	6.58	7.23	7.36	8.00
5	8.02	8.05	7.71	7.50	7.20	7.12	7.10	6.96	6.57	7.23	7.40	8.00
6	8.02	8.04	7.70	7.50	7.22	7.11	7.09	6.96	6.60	7.28	7.50	7.98
7	8.05	8.02	7.70	7.50	7.21	7.10	7.08	6.95	6.60	7.28	7.57	7.96
8	8.06	8.01	7.69	7.50	7.21	7.10	7.08	6.94	6.66	7.27	7.60	7.94
9	8.16	7.98	7.69	7.50	7.20	7.10	7.07	6.93	6.70	7.26	7.59	7.93
10	8.16	7.96	7.68	7.49	7.20	7.10	7.06	6.92	6.71	7.26	7.59	7.92
11	8.18	7.94	7.67	7.48	7.20	7.09	7.06	6.91	6.75	7.29	7.59	7.90
12	8.16	7.93	7.66	7.47	7.19	7.08	7.06	6.90	6.79	7.30	7.60	7.90
13	8.14	7.92	7.65	7.47	7.19	7.08	7.06	6.89	6.84	7.31	7.60	7.90
14	8.12	7.90	7.65	7.48	7.19	7.08	7.04	6.88	6.86	7.31	7.61	7.89
15	8.12	7.90	7.64	7.49	7.18	7.08	7.03	6.86	6.95	7.30	7.63	7.89
16	8.11	7.89	7.62	7.47	7.18	7.08	7.02	6.85	6.91	7.30	7.63	7.89
17	8.08	7.88	7.61	7.46	7.17	7.07	7.02	6.83	6.88	7.29	7.62	7.91
18	8.06	7.87	7.60	7.46	7.17	7.06	7.01	6.81	6.87	7.29	7.63	7.94
19	8.06	7.85	7.58	7.45	7.17	7.06	7.04	6.79	6.86	7.31	7.63	7.94
20	8.05	7.85	7.58	---	7.16	7.05	7.16	6.77	6.88	7.32	7.64	7.94
21	8.05	7.84	7.57	7.44	7.17	7.04	7.13	6.75	7.00	7.34	7.67	7.95
22	8.06	7.82	7.56	7.36	7.18	7.04	7.10	6.72	6.96	7.41	7.71	7.94
23	8.05	7.81	7.56	7.31	7.17	7.13	7.08	6.68	7.00	7.41	7.71	7.95
24	8.05	7.80	7.55	7.33	7.17	7.24	7.07	6.65	7.08	7.40	7.99	7.96
25	8.18	7.77	7.54	7.32	7.17	7.20	7.06	6.60	7.10	7.39	8.01	7.97
26	8.21	7.74	7.54	---	7.18	7.16	7.05	6.55	7.14	7.39	7.97	7.98
27	8.21	7.73	7.54	---	7.18	7.14	7.03	6.49	7.15	7.38	7.94	7.97
28	8.20	7.73	7.55	---	7.16	7.12	7.02	6.44	7.22	7.38	7.92	7.96
29	8.19	7.74	7.56	---	7.15	7.11	7.01	6.38	7.24	7.37	7.93	7.96
30	8.17	7.77	7.55	---	---	7.10	7.00	6.32	7.32	7.37	7.99	7.96
31	8.15	---	7.54	---	---	7.10	---	6.28	---	7.37	7.98	---
TOTAL	251.33	237.14	236.48	---	---	220.27	211.87	209.95	204.99	226.84	237.69	238.35
MEAN	8.11	7.90	7.63	---	---	7.11	7.06	6.77	6.83	7.32	7.67	7.94
MAX	8.21	8.13	7.76	---	---	7.24	7.16	7.00	7.32	7.41	8.01	8.00
MIN	8.02	7.73	7.54	---	---	7.04	7.00	6.28	6.22	7.23	7.36	7.89

255250080335001 SITE 71 IN CONSERVATION AREA 3B, NEAR COOPERTOWN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.84	8.06	7.85	7.91	7.84	7.96	7.74	7.79	7.71	7.70	7.67
2	---	7.83	8.04	7.85	7.90	7.83	7.95	7.72	7.77	7.75	7.68	7.71
3	8.04	7.83	8.03	7.86	7.89	7.83	7.92	7.72	7.76	7.74	7.67	7.72
4	8.03	7.98	8.02	7.88	7.89	7.82	7.91	7.71	7.76	7.72	7.65	7.71
5	8.01	8.02	8.01	7.88	7.88	7.81	7.92	7.70	7.76	7.70	7.64	7.73
6	8.00	8.00	8.00	7.87	7.88	7.80	7.90	7.70	7.78	7.69	7.62	7.72
7	7.99	8.00	8.00	7.86	7.88	7.79	7.88	7.68	7.79	7.69	7.61	7.71
8	7.98	8.00	7.99	7.85	7.88	7.79	7.86	7.69	7.79	7.69	7.60	7.69
9	7.98	7.99	7.99	7.94	7.87	7.78	7.87	7.69	7.77	7.67	7.63	7.69
10	7.97	8.06	7.98	8.00	7.88	7.78	7.87	7.68	7.76	7.67	7.68	7.69
11	7.96	8.09	7.97	8.00	7.88	7.77	7.86	7.66	7.75	7.71	7.67	7.74
12	7.96	8.09	7.96	7.99	7.88	7.76	7.84	7.66	7.73	7.74	7.67	7.72
13	7.95	8.07	7.95	7.97	7.87	7.84	7.83	7.66	7.72	7.74	7.68	7.71
14	7.94	8.06	7.94	7.97	7.86	7.84	7.81	7.64	7.71	7.76	7.76	7.73
15	7.93	8.04	7.94	8.00	7.86	7.83	7.80	7.62	7.74	7.74	7.73	7.75
16	7.92	8.02	7.93	8.00	7.85	7.82	7.97	7.60	7.77	7.72	7.70	7.74
17	7.92	8.01	7.93	7.99	7.85	7.87	7.95	7.59	7.75	7.70	7.70	7.74
18	7.97	8.01	7.92	7.97	7.84	8.01	7.92	7.57	7.73	7.68	7.71	7.72
19	7.95	8.01	7.92	7.96	7.82	7.98	7.90	7.57	7.72	7.67	7.69	7.71
20	7.94	8.03	7.92	7.95	7.82	7.99	7.88	7.55	7.71	7.68	7.66	7.70
21	7.92	8.09	7.91	7.94	7.81	8.00	7.87	7.54	7.70	7.68	7.63	7.68
22	7.91	8.20	7.90	7.94	7.81	7.99	7.85	7.52	7.70	7.68	7.61	7.67
23	7.90	8.17	7.90	7.93	7.85	7.98	7.83	7.50	7.72	7.67	7.60	7.68
24	7.89	8.15	7.89	7.92	7.86	7.97	7.81	7.50	7.71	7.70	7.59	7.67
25	7.88	8.14	7.88	7.92	7.84	7.99	7.80	7.49	7.71	7.68	7.58	7.66
26	7.87	8.12	7.87	7.95	7.84	8.01	7.80	7.48	7.72	7.67	7.58	7.67
27	7.87	8.12	7.86	7.95	7.85	7.99	7.79	7.47	7.71	7.66	7.58	7.66
28	7.86	8.13	7.85	7.93	7.84	7.98	7.77	7.50	7.71	7.72	7.58	7.65
29	7.86	8.10	7.84	7.92	---	7.96	7.75	7.61	7.70	7.71	7.60	7.65
30	7.85	8.07	7.83	7.91	---	7.95	7.74	7.63	7.69	7.70	7.66	7.66
31	7.85	---	7.82	7.91	---	7.95	---	7.72	---	7.70	7.66	---
TOTAL	---	241.27	246.05	245.86	220.09	244.55	235.81	236.11	232.13	238.74	237.12	230.95
MEAN	---	8.04	7.94	7.93	7.86	7.89	7.86	7.62	7.74	7.70	7.65	7.70
MAX	---	8.20	8.06	8.00	7.91	8.01	7.97	7.74	7.79	7.76	7.76	7.75
MIN	---	7.83	7.82	7.85	7.81	7.76	7.74	7.47	7.69	7.66	7.58	7.65

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

LOCATION.--Lat 25°57'50", long 80°18'40", in SW1/4 sec.36, T.51 S., R.40 E., Broward County, Hydrologic Unit 03090202, 300 ft downstream of NW 67th Avenue bridge on A-frame walkway, 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.

REVISED RECORDS.--WDR 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 poor. Flow affected by regulation at salinity-control structure 29, pump structure on the N.W. 67 Avenue Canal and, at times by tide, and is occasionally reversed. Discharge computed from continuous point velocity record obtained from recording electromagnetic velocity meter and gage height record. Records of gage heights prior to March 1962 are available in files of the Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 25 complete years of discharge (1963-86, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 4.53 ft Oct. 31, 1969; minimum, 0.58 ft June 22, 1960.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.39 ft Nov. 20; minimum, 1.36 ft Mar. 29.

STATION NUMBER 02286200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.45	2.27	2.25	2.44	2.02	1.89	2.13	2.13	2.13	2.07	2.10	2.52
2	2.57	2.27	2.27	2.41	1.97	1.99	2.17	2.12	2.40	2.17	2.05	2.53
3	2.53	2.27	2.22	2.43	2.02	2.16	2.04	2.12	2.55	1.94	1.91	2.56
4	2.48	2.44	2.16	2.53	2.19	2.17	1.90	2.12	2.70	1.91	1.86	2.48
5	2.38	2.44	2.11	2.44	2.24	1.92	2.16	2.11	2.63	2.08	2.10	2.41
6	2.32	2.35	2.07	2.43	2.20	1.90	2.24	2.10	2.57	2.13	2.16	2.33
7	2.51	2.28	2.02	2.38	2.22	2.09	2.27	2.09	2.43	2.19	2.18	2.26
8	2.48	2.24	2.06	2.35	2.20	2.14	2.27	2.09	2.44	2.41	2.19	2.20
9	2.31	2.36	2.29	2.61	2.16	2.16	2.30	2.07	2.30	2.22	2.24	2.16
10	2.32	2.91	2.19	2.77	2.08	2.18	2.24	2.05	2.18	2.03	2.29	2.11
11	2.29	2.89	2.19	2.81	2.04	2.18	2.10	2.03	2.08	2.04	2.09	2.07
12	2.30	2.73	2.03	2.66	2.01	2.20	1.94	2.04	2.00	2.08	2.39	2.08
13	2.28	2.48	2.22	2.58	1.93	2.26	1.82	2.05	1.93	2.06	2.25	2.27
14	2.29	2.36	2.29	2.51	1.98	2.17	1.76	2.04	1.89	2.51	2.24	2.53
15	2.27	2.26	2.15	2.48	2.13	1.95	1.85	2.03	1.89	2.98	2.18	2.79
16	2.24	2.26	2.17	2.48	2.18	1.97	2.26	2.00	1.88	2.66	2.15	2.89
17	2.25	2.45	2.27	2.45	2.20	1.81	2.13	1.99	1.84	2.46	2.27	2.89
18	2.25	2.88	2.22	2.38	2.21	2.11	2.01	1.96	1.83	2.29	2.64	2.73
19	2.24	2.76	2.06	2.35	2.07	2.03	1.94	1.95	2.01	2.21	2.50	2.63
20	2.30	2.98	2.20	2.33	2.10	2.03	1.88	1.95	2.08	2.18	2.37	2.58
21	2.25	3.07	2.27	2.31	2.17	2.01	2.08	1.94	2.11	2.31	2.33	2.53
22	2.26	2.97	2.30	2.26	2.20	1.97	2.20	1.90	2.12	2.56	2.51	2.45
23	2.27	2.85	2.31	2.16	2.12	1.85	2.01	1.88	2.15	2.54	2.39	2.38
24	2.28	2.68	2.05	2.19	1.98	1.68	1.80	1.85	2.29	2.37	2.46	2.33
25	2.25	2.49	2.01	2.11	1.96	1.65	2.01	1.84	2.43	2.40	2.47	2.41
26	2.24	2.35	2.20	1.99	2.16	1.63	2.11	1.82	2.30	2.27	2.58	2.41
27	2.27	2.32	2.27	2.19	2.10	1.60	2.15	1.80	2.35	2.21	2.58	2.39
28	2.28	2.50	2.23	2.18	1.97	1.53	2.14	1.83	2.09	2.19	2.61	2.38
29	2.28	2.44	2.03	2.20	---	1.58	2.13	1.91	1.97	2.17	2.67	2.41
30	2.28	2.35	2.19	2.20	---	1.[illegible]0	2.13	1.94	1.91	2.15	2.62	2.39
31	2.27	---	2.30	2.18	---	2.04	---	1.98	---	2.14	2.53	---
TOTAL	71.99	75.90	67.60	73.79	58.81	60.75	62.17	61.73	65.48	69.93	71.91	73.10
MEAN	2.32	2.53	2.18	2.38	2.10	1.96	2.07	1.99	2.18	2.26	2.32	2.44
MAX	2.57	3.07	2.31	2.81	2.24	2.26	2.30	2.13	2.70	2.98	2.67	2.89
MIN	2.24	2.24	2.01	1.99	1.93	1.53	1.76	1.80	1.83	1.91	1.86	2.07

02286200 SNAKE CREEK CANAL AT NW 67TH AVENUE, NEAR HIALEAH, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	85	229	331	224	238	60	8.7	191	.00	5.4	34
2	101	81	190	279	209	152	46	17	43	.00	.74	.00
3	159	78	201	305	176	127	108	16	59	5.1	.18	3.6
4	163	240	195	312	118	147	109	14	133	1.5	.73	.78
5	171	224	189	355	136	196	86	4.5	106	.00	1.1	3.3
6	165	215	189	264	141	185	47	12	117	.00	1.1	.00
7	63	213	193	249	170	106	38	14	92	.00	7.2	.19
8	92	196	154	245	149	106	25	5.0	26	.00	.00	.00
9	130	241	106	388	169	98	36	5.7	32	.00	1.9	.94
10	97	384	182	547	206	103	75	7.0	26	2.2	.00	.00
11	98	414	230	540	191	81	94	.19	16	4.4	.00	.93
12	73	412	245	402	166	101	106	6.3	12	9.5	.00	.00
13	92	399	121	356	200	262	92	2.6	8.6	4.3	.00	.00
14	77	347	99	319	138	323	78	18	5.6	22	.00	3.0
15	109	369	169	308	100	378	47	.93	7.1	72	.00	.20
16	127	295	122	336	74	279	126	1.8	6.2	53	3.7	.21
17	172	171	84	303	70	386	162	3.4	4.1	47	.00	4.3
18	128	310	119	294	79	538	128	.09	1.1	29	.00	.00
19	131	336	171	272	158	507	104	.73	.00	24	.39	.00
20	93	335	125	228	101	434	89	8.8	.00	8.7	.00	.00
21	104	382	103	196	88	390	35	.00	.00	16	.58	.00
22	97	486	108	212	77	366	19	1.6	.00	.20	.39	.00
23	90	505	115	216	235	333	50	2.9	.00	.20	.19	1.9
24	73	477	241	177	249	304	57	1.4	.00	7.1	3.7	.00
25	105	445	219	268	193	276	33	.00	.00	.19	.00	.00
26	102	398	121	277	149	262	19	.00	12	1.5	.20	2.5
27	82	323	120	220	258	213	5.8	.00	3.2	.95	2.2	.00
28	84	242	141	170	256	196	26	1.0	26	.00	.00	.20
29	90	244	206	159	---	149	15	7.2	7.5	.76	1.2	2.1
30	85	239	130	146	---	65	1.7	79	4.7	1.5	1.8	.00
31	76	---	200	161	---	43	---	189	---	.37	18	---
TOTAL	3322	9086	5017	8835	4480	7344	1917.5	428.84	939.10	311.47	50.70	58.15
MEAN	107	303	162	285	160	237	63.9	13.8	31.3	10.0	1.64	1.94
MAX	172	505	245	547	258	538	162	189	191	72	18	34
MIN	63	78	84	146	70	43	1.7	.00	.00	.00	.00	.00
AC-FT	6590	18020	9950	17520	8890	14570	3800	851	1860	618	101	115

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1993, BY WATER YEAR (WY)

MEAN	336	261	184	178	179	175	144	190	343	307	323	348
MAX	642	727	348	404	408	625	623	650	829	740	920	891
(WY)	1967	1970	1970	1970	1969	1970	1970	1979	1968	1966	1966	1966
MIN	74.0	40.3	31.7	47.9	41.5	38.0	-3.33	-8.13	31.3	10.0	1.64	1.94
(WY)	1990	1991	1991	1991	1991	1990	1962	1962	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1962 - 1993	
ANNUAL TOTAL	70329		41789.76			
ANNUAL MEAN	192		114		269	
HIGHEST ANNUAL MEAN					518	1966
LOWEST ANNUAL MEAN					114	1993
HIGHEST DAILY MEAN	820	Jun 30	547	Jan 10	1550	Mar 10 1969
LOWEST DAILY MEAN	63	Oct 7	.00	May 21	-64	Sep 10 1984
ANNUAL SEVEN-DAY MINIMUM	83	Oct 28	.00	Jun 19	-28	May 23 1962
ANNUAL RUNOFF (AC-FT)	139500		82890		194700	
10 PERCENT EXCEEDS	337		306		532	
50 PERCENT EXCEEDS	154		84		191	
90 PERCENT EXCEEDS	93		.00		45	

255026080231300 SNAPPER CREEK CANAL EXTENSION AT NW 74TH STREET, NEAR HIALEAH, FL

LOCATION.--Lat 25°50'26", long 80°23'13", in SE1/4 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.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.67 ft Oct. 10, 1991; minimum, 0.21 ft June 5, 6, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.24 ft Nov. 22, 23; minimum, 3.40 ft May 24.

STATION NUMBER 255026080231300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.93	4.56	5.04	4.77	4.90	4.58	4.68	4.22	4.72	4.66	4.95	---
2	4.95	4.54	5.01	4.82	4.88	4.55	4.66	4.20	4.69	4.71	4.92	---
3	4.99	4.53	4.98	4.84	4.86	4.50	4.61	4.19	4.68	4.69	4.87	---
4	5.00	4.82	4.96	4.87	4.84	4.51	4.58	4.18	4.67	4.66	4.82	---
5	4.97	4.90	4.94	4.88	4.83	4.47	4.62	4.15	4.68	4.61	4.77	---
6	4.95	4.89	4.93	4.89	4.82	4.43	4.60	4.13	4.74	4.57	4.73	---
7	4.93	4.90	4.91	4.88	4.82	4.41	4.56	4.10	4.71	4.56	4.69	---
8	4.92	4.92	4.90	4.89	4.81	4.39	4.52	4.06	4.67	4.62	4.65	---
9	4.90	4.94	4.89	4.97	4.78	4.37	4.52	4.02	4.62	4.61	4.65	---
10	4.89	5.08	4.89	5.11	4.77	4.34	4.56	3.98	4.56	4.59	4.70	---
11	4.87	5.12	4.87	5.15	4.74	4.32	4.52	3.94	4.54	4.61	4.71	---
12	4.86	5.12	4.86	5.13	4.72	4.27	4.49	3.95	4.50	4.62	4.79	---
13	4.84	5.11	4.85	5.11	4.69	4.50	4.45	3.94	4.47	4.67	4.88	---
14	4.82	5.10	4.83	5.10	4.67	4.51	4.41	3.90	4.43	4.71	4.92	---
15	4.79	5.07	4.82	5.10	4.64	4.46	4.38	3.87	4.47	4.76	4.89	---
16	4.77	5.04	4.81	5.12	4.62	4.42	4.65	3.84	4.58	4.74	4.86	---
17	4.78	5.02	4.79	5.12	4.62	4.48	4.68	3.80	4.60	4.71	4.83	---
18	4.80	5.06	4.78	5.10	4.60	4.76	4.65	3.76	4.59	4.68	4.79	---
19	4.79	5.05	4.77	5.08	4.55	4.76	4.61	3.75	4.54	4.64	4.74	---
20	4.76	5.10	4.75	5.06	4.53	4.80	4.56	3.75	4.52	4.65	4.70	---
21	4.73	5.17	4.74	5.04	4.51	4.82	4.52	3.70	4.50	4.70	4.66	---
22	4.71	5.23	4.72	5.03	4.49	4.80	4.49	3.66	4.49	4.72	4.63	---
23	4.68	5.23	4.71	5.01	4.62	4.79	4.45	3.62	4.48	4.78	4.58	---
24	4.67	5.22	4.70	4.99	4.63	4.78	4.41	3.59	4.51	4.90	4.54	---
25	4.66	5.20	4.71	5.00	4.59	4.79	4.39	3.56	4.58	4.87	4.61	---
26	4.65	5.18	4.71	5.03	4.59	4.80	4.38	3.53	4.64	4.85	4.72	---
27	4.63	5.16	4.71	5.00	4.64	4.79	4.38	3.50	4.68	4.86	4.73	---
28	4.62	5.15	4.70	4.97	4.61	4.77	4.34	3.60	4.69	4.90	4.70	---
29	4.61	5.12	4.69	4.95	---	4.74	4.29	3.77	4.65	4.90	4.70	---
30	4.60	5.07	4.68	4.94	---	4.71	4.25	3.84	4.63	4.94	---	---
31	4.58	---	4.67	4.93	---	4.70	---	4.35	---	4.95	---	---
TOTAL	148.65	150.60	149.32	154.88	131.37	142.32	135.21	120.45	137.83	146.44	---	---
MEAN	4.80	5.02	4.82	5.00	4.69	4.59	4.51	3.89	4.59	4.72	---	---
MAX	5.00	5.23	5.04	5.15	4.90	4.82	4.68	4.35	4.74	4.95	---	---
MIN	4.58	4.53	4.67	4.77	4.49	4.27	4.25	3.50	4.43	4.56	---	---

02286399 MIAMI CANAL ABOVE S-354 AND S-3 AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'55", long 80°48'25", in SE1/4 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).

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929. From 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, S-354 gate operations, wind, and seiche. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 19.78 ft Mar. 7, 1983; minimum, 9.50 ft Aug. 3, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 18.39 ft Jan. 27; minimum, 13.07 ft Aug. 22.

STATION NUMBER 02286399
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.40	16.09	16.08	16.02	16.56	15.98	16.17	15.35	14.81	14.43	13.93	13.71
2	16.30	16.01	15.97	16.03	16.66	15.81	16.27	15.33	14.68	14.40	13.99	13.76
3	16.17	16.01	16.17	16.00	16.54	15.61	16.27	15.29	14.72	14.37	13.94	13.84
4	16.17	15.92	16.01	15.90	16.46	15.81	16.07	15.29	14.70	14.40	13.93	13.79
5	16.44	15.95	15.97	15.93	16.39	15.87	16.06	15.31	14.65	14.39	13.90	13.83
6	16.59	16.08	16.05	15.97	16.34	15.89	16.25	15.31	14.70	14.38	13.85	13.89
7	16.40	16.27	15.93	15.92	16.26	15.87	16.28	15.28	14.69	14.33	13.83	13.91
8	16.35	16.35	15.97	15.80	16.29	15.87	16.10	15.25	14.66	14.33	13.87	13.91
9	16.37	16.23	16.01	16.07	16.36	15.84	15.86	15.20	14.62	14.33	13.84	13.91
10	16.40	16.16	15.89	16.20	16.28	15.76	16.14	15.18	14.57	14.33	13.85	13.97
11	16.39	16.01	16.10	16.17	16.19	15.79	16.13	15.09	14.55	14.30	13.80	14.05
12	16.46	15.94	16.15	16.18	16.27	15.62	16.02	15.04	14.49	14.30	13.77	14.09
13	16.55	16.03	15.97	16.21	16.35	15.50	15.99	15.01	14.48	14.28	13.71	14.09
14	16.42	16.51	16.00	16.28	16.37	16.11	15.86	15.03	14.48	14.21	13.70	14.11
15	16.41	16.50	15.96	16.21	16.19	16.11	15.69	15.04	14.51	14.23	13.70	14.12
16	16.38	16.32	15.90	16.27	16.05	15.75	15.84	15.01	14.46	14.24	13.71	14.11
17	16.38	16.08	15.89	16.38	16.14	15.75	16.16	14.92	14.52	14.19	13.76	14.12
18	16.44	16.09	15.90	16.29	16.29	16.16	15.98	14.83	14.43	14.18	13.66	14.12
19	16.66	16.04	15.91	16.28	16.37	16.28	15.92	14.81	14.38	14.18	13.62	14.12
20	16.37	15.97	15.90	16.23	16.03	16.11	15.83	14.84	14.32	14.16	13.63	14.11
21	16.35	15.95	15.90	16.18	15.92	16.13	15.78	14.87	14.28	14.07	13.63	14.10
22	16.42	15.96	15.90	16.22	15.82	16.11	15.99	15.00	14.24	14.06	13.54	14.11
23	16.34	15.99	15.88	16.24	16.23	16.10	15.84	14.72	14.28	14.05	13.57	14.08
24	16.33	15.97	16.00	16.15	16.32	16.15	15.60	14.59	14.29	14.07	13.56	14.07
25	16.22	15.98	15.89	16.37	15.95	16.16	15.56	14.55	14.29	14.06	13.52	14.04
26	16.17	15.96	15.90	16.61	15.78	16.15	15.57	14.54	14.26	14.02	13.53	14.01
27	16.16	16.09	15.88	17.20	16.09	16.17	15.74	14.55	14.33	14.03	13.53	14.03
28	16.15	16.29	16.05	16.76	16.10	16.30	15.70	14.56	14.37	14.02	13.53	14.09
29	16.14	16.26	16.16	16.57	---	16.24	15.54	14.65	14.41	14.00	13.51	14.35
30	16.10	16.14	16.04	16.59	---	16.22	15.43	14.68	14.46	13.98	13.57	14.33
31	16.11	---	15.92	16.56	---	16.12	---	14.73	---	13.94	13.62	---
TOTAL	506.54	483.15	495.25	503.79	454.60	495.34	477.64	463.85	434.63	440.26	425.10	420.77
MEAN	16.34	16.10	15.98	16.25	16.24	15.98	15.92	14.96	14.49	14.20	13.71	14.03
MAX	16.66	16.51	16.17	17.20	16.66	16.30	16.28	15.35	14.81	14.43	13.99	14.35
MIN	16.10	15.92	15.88	15.80	15.78	15.50	15.43	14.54	14.24	13.94	13.51	13.71

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

LOCATION.--Lat 26°41'55", long 80°48'25", in SE1/4 sec.35, T.43 S., R.35 E., Palm Beach County, Hydrologic Unit 03090202, at gate structure S-354 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.--Prior to October 1940, monthly discharge only, published in WSP 1304. December 1939 to June 1943 (published as Miami Canal at Lake Harbor), October 1957 to current year.

GAGE.--Satellite data collection platform and water-stage shaft-encoder for lake and canal water stages, digital lake recorder, acoustic velocity meter, 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. From 1981 water year to April 1, 1987, electromagnetic velocity meter and digital recorder. Electromagnetic velocity meter reinstalled May 11, 1988. Satellite data collection platform and acoustic velocity meter installed Sept. 11, 1991 approximately 0.3 mi below pump station 3.

REMARKS.--Records poor. Flow regulated by gates and pump station at Lake Okeechobee. Discharge is the flow through AVM site approximately 0.3 mi below structure. 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, and pump tachometer and velocity index vs. mean velocity.

COOPERATION.--S-3 pump, syphon record and S-354 gate-operation record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 33 complete water years of discharge (1957-89, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height (Miami Canal) 14.92 ft, present datum, Mar. 21, 1960 and Oct. 2, 1965: minimum (Miami Canal), 7.51 ft Oct. 28, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height (Miami Canal), 13.07 ft Jan. 9; minimum (Miami Canal), 8.95 ft Mar. 24.

REVISIONS.--1992 water year discharge revised due to error in previous velocity index rating. The following table supersedes discharge published in WDR FL-92-2A.

SEE FOLLOWING PAGES FOR TABLES OF STAGE AND DISCHARGE

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-11	309	---	19	240	23	279	671	952	-21	510	694
2	-76	-4.0	-30	26	193	44	264	639	775	-9.0	429	1170
3	-11	32	-30	-29	284	119	84	572	554	18	251	812
4	-170	487	8.2	-56	290	-112	-4.1	651	-16	52	9.9	437
5	-77	34	19	-18	93	24	37	783	-18	33	10	903
6	-193	-18	-.75	102	43	159	147	749	-13	-36	23	1260
7	102	-16	17	21	28	297	-3.6	765	-11	910	-5.7	1190
8	25	16	32	92	17	273	---	789	-6.7	1460	21	1400
9	58	25	28	-42	37	453	---	774	-8.7	1350	72	1390
10	34	1.1	-35	358	22	480	---	718	.00	1320	49	1400
11	26	-13	32	511	33	492	-55	694	-7.9	1260	60	1380
12	11	-11	34	483	34	486	-7.9	729	-10	1290	58	1470
13	21	85	104	487	29	268	22	771	-3.3	1250	49	1430
14	15	95	4.5	421	35	304	52	716	-4.1	1330	26	1470
15	---	211	62	315	-48	295	6.0	641	.00	1270	89	1440
16	---	43	132	309	-15	348	48	480	-2.5	1290	72	1540
17	---	63	182	306	-44	316	103	431	-6.3	1300	94	1490
18	---	309	180	331	206	282	---	511	-12	1190	-2.0	1240
19	9.1	129	2.7	520	290	283	-9.7	517	-17	1120	69	1300
20	27	-53	269	---	---	132	---	1010	-23	1310	30	1320
21	29	17	283	---	---	63	---	747	-18	807	143	1430
22	-30	87	217	---	---	-9.1	---	751	-13	1140	52	1480
23	13	-31	145	---	---	-26	---	725	-6.3	1380	-424	1500
24	8.6	27	139	139	---	---	136	681	.00	1250	-312	1370
25	8.0	-226	151	206	---	-55	-24	690	.00	1420	82	1320
26	-.34	.85	48	176	12	43	38	886	-310	1400	37	1420
27	17	6.7	-117	307	42	---	248	1110	.00	1490	447	1460
28	25	56	-19	351	-20	---	361	1010	.00	999	1070	867
29	-.98	33	26	325	-18	---	150	1010	.00	400	1080	64
30	-16	-56	31	272	---	306	336	946	-3.5	518	74	91
31	19	---	18	247	---	195	---	924	---	530	138	---
TOTAL	---	1638.65	---	---	---	---	---	23091	1770.70	29021.0	4301.2	35738
MEAN	---	54.6	---	---	---	---	---	745	59.0	936	139	1191
MAX	---	487	---	---	---	---	---	1110	952	1490	1080	1540
MIN	---	-226	---	---	---	---	---	431	-310	-36	-424	64
AC-FT	---	3250	---	---	---	---	---	45800	3510	57560	8530	70890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	-85.2	38.7	86.8	104	183	232	424	297	-31.4	-99.8	-127	-212
MAX	609	420	385	620	894	1415	1284	966	626	936	181	1191
(WY)	1989	1974	1969	1979	1985	1966	1975	1974	1980	1992	1987	1992
MIN	-1167	-429	-330	-849	-373	-1185	-315	-296	-897	-769	-899	-1614
(WY)	1961	1961	1958	1958	1983	1970	1958	1972	1968	1985	1981	1960

SUMMARY STATISTICS	WATER YEARS 1958 - 1992	
ANNUAL MEAN	56.8	
HIGHEST ANNUAL MEAN	306	1989
LOWEST ANNUAL MEAN	-290	1960
HIGHEST DAILY MEAN	2280	Mar 24 1966
LOWEST DAILY MEAN	-2790	Mar 26 1970
ANNUAL SEVEN-DAY MINIMUM	-2170	Jun 18 1959
ANNUAL RUNOFF (AC-FT)	41180	
10 PERCENT EXCEEDS	555	
50 PERCENT EXCEEDS	.00	
90 PERCENT EXCEEDS	-419	

REVISED

02286400 MIAMI CANAL AT S-354, AND S-3, AT LAKE HARBOR, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.99	11.71	10.97	10.90	11.51	11.26	11.20	10.45	10.33	10.68	11.01	10.53
2	9.72	11.57	10.76	11.04	11.70	11.34	11.31	10.77	10.54	10.12	10.94	10.18
3	10.16	11.36	10.51	10.49	11.61	11.40	11.18	11.17	11.19	9.69	10.98	11.00
4	10.20	11.51	11.15	10.69	11.60	11.55	11.07	11.80	10.35	9.75	10.59	10.44
5	10.42	11.72	11.29	10.95	11.55	11.33	11.41	11.76	9.85	10.74	10.75	9.93
6	10.27	11.38	11.35	11.00	11.56	11.08	11.44	11.88	9.73	11.11	10.97	10.34
7	10.50	11.43	11.28	11.17	11.37	10.88	11.56	12.14	9.59	11.03	11.24	11.44
8	11.03	11.34	11.29	11.17	11.39	11.10	11.48	12.04	10.70	10.88	11.30	11.29
9	11.07	11.04	11.31	11.74	11.51	11.72	11.46	11.12	10.97	10.98	11.29	10.76
10	10.90	10.37	11.34	11.04	11.46	11.81	11.60	11.21	10.68	11.31	11.36	10.19
11	10.96	10.39	10.85	11.10	11.35	11.80	11.36	12.06	10.06	11.31	10.76	10.75
12	10.81	10.44	10.98	10.31	11.29	11.75	11.12	11.63	9.74	11.07	10.52	12.00
13	10.74	10.31	11.04	10.37	11.19	11.81	10.92	10.94	10.59	10.81	10.84	11.37
14	10.58	9.85	11.17	10.88	10.93	11.28	11.12	10.96	10.83	10.70	10.99	10.93
15	10.29	9.86	11.27	10.78	10.86	11.09	11.31	11.53	10.52	10.75	11.13	10.75
16	10.57	10.46	11.35	11.13	11.12	10.96	11.66	11.66	11.38	11.61	11.13	9.71
17	10.58	10.86	11.28	10.56	11.34	9.76	11.49	11.53	11.23	11.72	11.22	9.70
18	10.78	10.66	11.09	10.96	11.32	10.31	11.32	11.25	10.83	11.69	11.13	10.09
19	10.89	10.14	10.89	11.10	11.32	10.89	11.22	11.34	10.68	11.45	10.88	10.38
20	11.33	10.70	10.67	11.30	11.24	10.25	11.11	11.53	10.71	11.11	10.76	10.67
21	11.46	10.44	10.66	11.38	11.21	9.79	11.30	11.48	11.19	10.91	10.83	10.57
22	11.42	10.24	10.93	11.36	11.34	9.89	11.04	11.44	10.62	11.28	10.93	10.66
23	11.71	10.19	11.35	11.17	11.38	10.46	10.90	11.39	11.32	11.44	11.23	10.71
24	11.97	9.91	11.47	11.20	11.27	10.35	11.13	11.32	11.05	11.27	10.97	10.87
25	11.99	9.59	11.47	11.11	11.21	10.90	11.38	11.26	11.12	11.42	11.13	11.08
26	11.95	10.09	11.57	11.68	11.35	11.03	10.93	11.49	11.03	11.62	10.99	11.21
27	11.82	10.02	11.62	11.41	11.54	11.39	11.12	11.60	10.79	11.15	11.07	11.04
28	11.89	10.00	11.51	10.46	11.21	11.42	11.21	11.62	10.78	11.22	11.19	10.97
29	11.87	10.59	11.28	10.83	---	11.35	11.13	12.00	10.45	10.95	9.84	10.84
30	11.89	10.84	11.36	11.63	---	11.25	10.73	11.05	10.33	11.16	10.74	10.91
31	11.92	---	11.15	11.41	---	11.05	---	10.50	---	11.22	11.23	---
TOTAL	341.68	319.01	346.21	342.32	317.73	342.25	337.21	353.92	319.18	342.15	339.94	321.31
MEAN	11.02	10.63	11.17	11.04	11.35	11.04	11.24	11.42	10.64	11.04	10.97	10.71
MAX	11.99	11.72	11.62	11.74	11.70	11.81	11.66	12.14	11.38	11.72	11.36	12.00
MIN	9.72	9.59	10.51	10.31	10.86	9.76	10.73	10.45	9.59	9.69	9.84	9.70

02286400 MIAMI CANAL AT S-354 AND S-3 AT LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	320	30	67	1370	1500	1560	734	121	-51	20	38
2	46	307	-10	79	1500	1470	1520	665	-32	26	45	25
3	-44	301	65	77	1480	1420	1550	785	57	-60	20	66
4	-17	271	50	298	1450	851	1550	952	28	156	4.0	-2.4
5	37	137	65	447	1440	12	1420	937	-46	567	330	76
6	79	55	77	424	1410	104	1330	913	89	488	620	-27
7	21	42	25	611	1450	16	1480	827	113	464	632	32
8	-34	52	89	583	1510	402	1480	421	82	458	612	37
9	-7.1	19	85	-821	1480	517	1430	100	56	419	498	32
10	34	8.6	33	-711	1470	477	1430	630	32	367	110	13
11	25	17	51	58	1490	490	1480	533	111	343	71	62
12	65	-34	35	55	1110	188	1540	318	444	350	354	58
13	104	10	49	450	1260	14	1580	338	553	356	492	64
14	116	74	60	848	1300	30	1550	656	341	319	469	71
15	108	62	31	1110	1270	45	1490	719	83	493	429	77
16	145	48	34	977	1430	16	1390	671	68	535	436	57
17	117	34	31	1080	1520	26	1490	711	66	407	428	89
18	108	50	69	1230	1540	58	1510	759	58	386	416	63
19	215	52	70	1430	1580	96	1550	743	60	433	424	52
20	330	28	81	1340	1550	96	1590	686	329	470	597	98
21	305	-9.8	105	1470	1520	74	1480	683	316	769	682	105
22	320	-13	263	1490	1470	104	1600	676	591	866	629	67
23	326	-24	267	1530	1410	393	1580	634	527	581	284	93
24	293	-13	187	1490	1520	874	1440	705	14	439	297	84
25	268	-32	178	565	1500	1330	1330	863	95	405	211	17
26	256	.90	174	74	1400	1490	1310	891	-51	178	5.6	25
27	304	43	98	89	1390	1500	1540	872	.78	23	12	23
28	307	42	78	151	1470	1490	1490	346	-201	48	48	95
29	289	55	74	786	---	1540	1480	39	-43	-22	106	93
30	314	47	51	1180	---	1580	1220	28	73	27	99	60
31	321	---	73	1210	---	1610	---	56	---	26	-3.6	---
TOTAL	4841.9	1949.70	2568	19667	40290	19813	44390	18891	3934.78	10266	9377.0	1642.6
MEAN	156	65.0	82.8	634	1439	639	1480	609	131	331	302	54.8
MAX	330	320	267	1530	1580	1610	1600	952	591	866	682	105
MIN	-44	-34	-10	-821	1110	12	1220	28	-201	-60	-3.6	-27
AC-FT	9600	3870	5090	39010	79920	39300	88050	37470	7800	20360	18600	3260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1993, BY WATER YEAR (WY)

MEAN	-78.3	39.4	86.7	119	220	244	455	306	-26.9	-87.8	-115	-205
MAX	609	420	385	634	1439	1415	1480	966	626	936	302	1191
(WY)	1989	1974	1969	1993	1993	1966	1993	1974	1980	1992	1993	1992
MIN	-1167	-429	-330	-849	-373	-1185	-315	-296	-897	-769	-899	-1614
(WY)	1961	1961	1958	1958	1983	1970	1958	1972	1968	1985	1981	1960

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1958 - 1993	
ANNUAL TOTAL	177630.98			
ANNUAL MEAN	487		69.9	
HIGHEST ANNUAL MEAN			487	1993
LOWEST ANNUAL MEAN			-290	1960
HIGHEST DAILY MEAN	1610	Mar 31	2280	Mar 24 1966
LOWEST DAILY MEAN	-821	Jan 9	-2790	Mar 26 1970
ANNUAL SEVEN-DAY MINIMUM	-36	Jun 27	-2170	Jun 18 1959
ANNUAL RUNOFF (AC-FT)	352300		50610	
10 PERCENT EXCEEDS	1480		583	
50 PERCENT EXCEEDS	271		.00	
90 PERCENT EXCEEDS	16		-397	

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

LOCATION.--Lat 26°19'53", long 80°46'29", in NE1/4 sec.7, T.48 S., R.36 E., Broward County, Hydrologic Unit 03090202, 26 mi south of Lake Harbor, and 26.4 mi downstream from S-354 and pump station 3 at Lake Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1962 to September 1968 (gage heights and discharge); October 1968 to December 1982; October 1990 to current year.

GAGE.-Satellite data collection platform with shaft encoder and acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair, except for those estimated values which are poor. Flow regulated by pumpage and operation of gate at pump station 8, by operation of S-354 and pump station 3 at Lake Okeechobee, and operation of drainage and irrigation pumps upstream.

COOPERATION.--Discharge record furnished by South Florida Water Management District October 1968 to December 1982 for publication. Prior to October 1968, gage height, gate opening and pump records furnished by South Florida Water Management District, and records computed by U.S. Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTIC.--Figures represent 21 complete water years of discharge (1963-82, 1992).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.82 ft, June 26, 1992; minimum (daily) gage height, 6.02 ft June 7, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.59 ft Sept. 7; minimum gage height, 10.70 ft July 4.

STATION NUMBER 02286700
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.69	9.78	9.18	11.69	12.12	10.74	11.15	11.52	12.64	12.52	12.94
2	10.79	10.66	9.73	9.14	11.62	11.28	10.83	11.10	11.45	13.00	12.43	13.17
3	10.77	10.62	9.71	9.10	11.52	11.34	10.46	11.05	11.39	13.13	11.83	13.13
4	10.75	10.58	9.69	9.10	11.38	12.16	10.54	11.01	11.34	12.26	11.73	12.84
5	10.72	10.52	9.70	9.08	11.30	11.54	12.37	10.97	11.31	12.27	11.70	13.20
6	10.70	10.48	9.66	9.05	11.26	11.49	11.76	10.92	---	11.70	11.69	13.63
7	10.67	10.41	9.65	9.03	11.23	11.41	10.99	10.84	---	11.84	11.63	13.31
8	10.63	10.35	9.64	9.02	11.19	11.19	10.88	10.80	---	11.67	11.58	13.05
9	11.24	10.37	9.66	8.98	11.15	11.12	10.80	10.76	---	11.54	11.54	13.06
10	12.43	10.43	9.64	8.98	11.14	11.07	10.73	10.70	---	11.57	11.69	12.71
11	12.46	10.45	9.61	9.06	11.10	11.05	10.65	10.64	11.84	12.30	11.85	12.71
12	12.57	10.41	9.55	9.09	11.07	11.03	10.62	10.58	11.53	12.29	11.85	12.45
13	12.30	10.40	9.51	9.16	11.08	10.99	10.58	10.53	11.44	12.20	12.22	11.96
14	11.42	10.33	9.49	9.15	11.04	10.94	10.52	10.57	11.39	11.60	11.54	11.94
15	11.50	10.27	9.45	10.09	11.02	10.92	10.48	10.56	11.33	11.93	11.80	11.87
16	11.50	10.25	9.41	14.12	11.00	10.88	10.45	10.56	11.27	12.37	12.26	11.81
17	11.22	10.19	9.39	14.28	11.00	10.86	10.43	10.55	11.24	12.22	12.01	11.77
18	11.18	10.14	9.38	14.17	10.97	10.83	10.40	10.57	11.68	11.70	11.72	11.74
19	11.14	10.10	9.34	13.89	10.93	10.84	10.35	10.59	12.36	11.58	11.69	12.43
20	11.12	10.09	9.32	14.10	10.88	10.82	10.50	11.03	12.36	11.58	11.64	11.74
21	11.10	10.04	9.32	13.80	10.85	10.75	10.59	12.88	12.46	12.73	11.61	11.67
22	11.06	10.00	9.28	13.52	10.78	10.74	10.56	13.19	11.54	13.54	12.78	11.64
23	11.04	9.99	9.25	12.94	10.81	10.67	10.50	14.31	11.65	13.23	13.89	11.64
24	11.02	9.96	9.22	12.59	10.78	10.60	10.42	14.13	13.11	12.95	13.95	11.63
25	10.99	9.93	9.21	12.26	10.75	10.56	10.53	14.16	13.56	12.82	13.17	11.60
26	10.93	9.89	9.21	13.09	10.80	10.54	13.20	13.87	12.53	12.42	14.24	12.26
27	10.88	9.89	9.22	12.21	11.01	10.51	13.53	13.87	11.69	12.42	13.85	12.16
28	10.83	9.86	---	12.19	12.47	10.44	11.83	13.42	11.57	12.54	13.76	11.66
29	10.79	9.82	---	12.17	---	10.42	11.29	12.59	11.50	12.39	13.19	11.59
30	10.78	9.79	---	11.63	---	10.34	11.21	11.67	11.49	---	12.62	11.55
31	10.73	---	9.19	11.69	---	10.28	---	11.57	---	12.80	13.34	---
TOTAL	---	306.91	---	345.86	311.82	339.73	328.74	361.14	---	---	383.32	368.86
MEAN	---	10.23	---	11.16	11.14	10.96	10.96	11.65	---	---	12.37	12.30
MAX	---	10.69	---	14.28	12.47	12.16	13.53	14.31	---	---	14.24	13.63
MIN	---	9.79	---	8.98	10.75	10.28	10.35	10.53	---	---	11.54	11.55

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	32	39	58	---	622	139	100	48	1180	787	992
2	74	50	49	54	---	61	84	58	41	1300	210	1490
3	87	57	54	44	---	128	60	89	39	1120	-369	1200
4	85	55	65	64	---	714	105	83	52	379	43	961
5	86	21	38	61	---	227	e961	73	-13	603	68	1370
6	91	51	36	---	86	167	408	79	---	121	112	1730
7	89	40	49	51	63	91	70	71	---	212	83	1260
8	88	35	44	---	66	---	78	71	---	---	74	1030
9	356	65	55	49	54	---	62	68	---	---	58	1100
10	1250	62	42	---	44	---	76	72	---	112	-156	664
11	837	38	30	55	49	---	71	91	265	785	50	816
12	1400	42	31	57	33	---	64	79	89	487	250	496
13	884	29	32	48	63	---	54	75	31	383	519	46
14	113	37	27	57	74	---	51	71	66	143	89	77
15	233	53	29	455	67	---	57	e72	83	333	235	61
16	192	77	34	2990	65	---	52	68	61	351	716	70
17	92	46	30	---	84	---	52	183	-84	677	e452	75
18	88	28	49	---	75	---	66	74	244	163	240	67
19	78	27	64	---	66	---	66	76	806	62	236	740
20	80	35	51	---	74	72	60	214	622	109	195	68
21	83	39	56	---	64	59	67	1330	1090	1280	101	56
22	73	41	51	---	48	61	63	1550	152	2370	969	44
23	67	44	53	---	59	57	81	3190	276	1550	2600	81
24	57	53	61	---	71	50	67	---	1540	1430	2470	41
25	62	49	53	---	69	48	100	---	1270	806	1270	70
26	50	54	46	---	67	64	1610	---	957	873	3050	686
27	40	62	51	---	159	52	1050	---	20	740	2210	455
28	35	61	---	---	1150	53	241	---	59	873	2050	78
29	28	57	---	---	---	54	78	---	-54	643	1230	55
30	47	46	---	---	---	68	96	18	125	---	631	73
31	34	---	56	---	---	72	---	44	---	1040	1720	---
TOTAL	---	1386	---	---	---	---	6089	---	---	---	22193	15952
MEAN	---	46.2	---	---	---	---	203	---	---	---	716	532
MAX	---	77	---	---	---	---	1610	---	---	---	3050	1730
MIN	---	21	---	---	---	---	51	---	---	---	-369	41
AC-FT	---	2750	---	---	---	---	12080	---	---	---	44020	31640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1991, BY WATER YEAR (WY)

MEAN	275	117	86.0	186	200	246	255	238	364	441	516	490
MAX	1050	696	519	1053	670	1385	1015	624	2059	1854	1975	1394
(WY)	1983	1978	1978	1979	1970	1966	1969	1971	1982	1982	1974	1979
MIN	6.58	1.00	.000	-.87	.000	.000	.000	.065	.000	.097	-.48	.000
(WY)	1982	1968	1971	1968	1974	1968	1968	1962	1962	1962	1966	1981

SUMMARY STATISTICS	WATER YEARS 1962 - 1991	
ANNUAL MEAN	290	
HIGHEST ANNUAL MEAN	539	1982
LOWEST ANNUAL MEAN	41.6	1967
HIGHEST DAILY MEAN	4240	Oct 22 1969
LOWEST DAILY MEAN	-369	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	-43	Jul 29 1966
ANNUAL RUNOFF (AC-FT)	210000	
10 PERCENT EXCEEDS	810	
50 PERCENT EXCEEDS	51	
90 PERCENT EXCEEDS	.00	

e Estimated

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.52	11.12	11.51	10.95	10.26	12.32	11.14	10.64	8.96	14.62	11.91	14.09
2	11.50	11.13	11.49	10.91	10.23	11.52	11.03	10.59	8.87	14.37	11.85	14.25
3	11.50	11.12	11.41	10.89	10.21	11.43	11.23	10.56	8.87	14.20	11.83	14.31
4	12.15	11.10	11.50	10.86	10.20	11.37	11.54	10.51	10.15	13.76	12.53	14.29
5	11.57	11.64	12.12	10.82	12.25	11.32	11.23	10.45	12.17	13.66	12.38	14.21
6	11.88	12.14	11.31	10.78	12.77	11.33	11.05	10.39	12.18	13.55	12.39	14.03
7	11.50	11.43	11.23	10.76	11.97	11.67	11.00	10.33	11.66	13.54	12.57	13.93
8	12.06	11.35	11.19	10.73	11.31	11.73	11.35	10.27	11.68	13.89	12.57	13.98
9	12.83	11.26	11.16	10.71	11.42	11.74	11.53	10.21	11.71	13.91	12.47	14.09
10	12.02	11.20	11.13	10.68	11.42	11.97	11.51	10.16	11.37	13.83	12.51	14.11
11	11.60	11.18	11.10	10.66	11.39	12.03	11.39	10.11	11.27	13.79	12.54	14.04
12	11.55	11.15	11.09	10.65	11.23	12.04	11.59	10.04	11.30	13.75	13.27	13.91
13	11.50	11.08	11.07	10.64	11.12	12.11	11.80	9.97	11.38	13.68	13.18	13.85
14	11.46	11.05	11.06	10.63	11.09	11.94	11.61	9.91	12.22	13.59	12.91	13.87
15	11.59	---	11.02	10.61	11.05	11.81	11.25	9.88	13.39	13.51	12.83	13.88
16	11.43	11.01	10.99	10.56	11.01	11.77	11.08	9.82	13.85	13.48	13.12	13.82
17	11.38	10.99	10.97	10.54	10.98	11.79	11.00	9.78	12.78	13.38	13.47	13.79
18	11.35	10.97	10.96	10.52	10.94	11.61	10.95	9.73	12.40	13.18	13.45	13.98
19	11.32	10.96	10.92	10.50	10.94	11.65	11.00	9.66	12.29	13.76	13.33	13.69
20	11.30	10.95	10.89	---	10.92	11.89	11.38	9.58	11.58	13.85	13.32	13.74
21	11.29	10.92	10.87	10.50	10.89	11.40	11.59	9.52	11.49	13.96	13.50	13.78
22	11.32	10.90	10.87	10.48	10.87	11.33	11.33	9.46	11.45	13.86	13.97	13.79
23	11.34	10.88	10.85	10.46	10.86	11.82	11.08	9.39	11.50	13.82	13.94	13.82
24	11.31	11.70	10.83	10.43	10.83	11.33	11.00	9.34	11.86	13.90	14.00	14.06
25	11.31	12.25	10.82	10.39	12.86	11.33	10.94	9.28	12.48	13.70	14.31	14.08
26	11.31	11.21	11.12	10.37	13.61	11.38	10.88	9.21	13.79	13.60	14.13	13.97
27	11.29	11.12	11.54	10.36	13.49	11.21	10.80	9.15	14.57	13.57	13.92	13.92
28	11.27	11.07	11.52	10.35	13.37	11.12	10.75	9.09	14.60	---	13.93	13.81
29	11.25	11.19	11.56	10.33	12.69	11.06	10.73	9.44	14.60	12.14	14.11	13.43
30	11.23	12.34	11.27	10.32	---	11.15	10.69	9.32	14.67	12.00	14.04	13.57
31	11.20	---	11.02	10.28	---	11.58	---	9.08	---	11.94	14.14	---
TOTAL	357.13	---	346.39	---	332.18	359.75	335.45	304.87	361.09	---	408.42	418.09
MEAN	11.52	---	11.17	---	11.45	11.60	11.18	9.83	12.04	---	13.17	13.94
MAX	12.83	---	12.12	---	13.61	12.32	11.80	10.64	14.67	---	14.31	14.31
MIN	11.20	---	10.82	---	10.20	11.06	10.69	9.08	8.87	---	11.83	13.43

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	52	181	81	86	739	76	107	11	3290	3.0	1730
2	61	80	150	90	98	91	88	114	5.0	2790	-130	2410
3	68	55	101	47	59	69	189	105	10	2420	80	2440
4	601	79	203	52	57	69	224	82	264	1490	692	2520
5	69	406	587	64	1160	85	97	61	746	1580	574	2400
6	346	653	42	65	1100	96	40	39	687	1460	544	1910
7	58	120	72	78	579	294	19	55	291	1470	483	1930
8	486	101	53	54	95	345	208	78	300	2010	694	1970
9	957	81	54	48	180	323	213	64	294	2050	687	2310
10	301	79	55	72	175	456	144	51	96	1850	555	2340
11	60	74	64	83	166	489	85	-15	72	1790	666	2160
12	63	66	68	53	102	494	235	-139	-14	1620	1490	1710
13	53	67	70	34	48	520	361	34	-6.2	1710	1160	1480
14	67	49	67	49	42	406	230	15	471	1610	890	1660
15	169	e50	81	67	52	325	78	8.4	2130	1370	862	1980
16	80	64	78	61	40	305	48	8.0	2130	1480	1380	1870
17	60	55	66	51	90	312	54	10	873	1380	1850	1740
18	65	53	77	40	60	166	30	11	739	946	1490	2160
19	31	57	72	53	40	255	18	6.8	656	1930	1010	1520
20	42	62	51	e55	79	368	129	11	81	2070	1330	1680
21	58	53	56	63	58	122	209	32	58	2290	1610	1850
22	52	59	66	39	54	93	84	49	32	2080	2260	1580
23	72	65	50	29	37	414	46	71	72	2030	2170	1760
24	70	438	117	79	46	57	56	78	274	2130	2100	2310
25	71	847	86	79	1730	52	17	61	798	1790	2460	2330
26	74	82	175	93	1970	100	78	39	2560	1660	1700	2130
27	91	68	261	61	1940	90	83	20	3400	1660	1970	2060
28	78	47	248	54	1520	71	90	-37	3350	e900	2020	1870
29	79	134	268	46	879	44	101	22	3270	87	2040	1200
30	67	871	113	59	---	135	94	36	3410	109	1570	1480
31	61	---	64	95	---	245	---	34	---	103	2180	---
TOTAL	4479	4967	3696	1894	12542	7630	3424	1111.2	27059.8	51155	38390.0	58490
MEAN	144	166	119	61.1	432	246	114	35.8	902	1650	1238	1950
MAX	957	871	587	95	1970	739	361	114	3410	3290	2460	2520
MIN	31	47	42	29	37	44	17	-139	-14	87	-130	1200
AC-FT	8880	9850	7330	3760	24880	15130	6790	2200	53670	101500	76150	116000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1992, BY WATER YEAR (WY)

MEAN	269	120	87.5	180	211	246	249	229	388	496	547	553
MAX	1050	696	519	1053	670	1385	1015	624	2059	1854	1975	1950
(WY)	1983	1978	1978	1979	1970	1966	1969	1971	1982	1982	1974	1992
MIN	6.58	1.00	.000	-.87	.000	.000	.000	.065	.000	.097	-.48	.000
(WY)	1982	1968	1971	1968	1974	1968	1968	1962	1962	1962	1966	1981

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1962 - 1992	
ANNUAL TOTAL	214838.0			
ANNUAL MEAN	587		304	
HIGHEST ANNUAL MEAN			587	1992
LOWEST ANNUAL MEAN			41.6	1967
HIGHEST DAILY MEAN	3410	Jun 30	4240	Oct 22 1969
LOWEST DAILY MEAN	-139	May 12	-369	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	-11	May 11	-43	Jul 29 1966
ANNUAL RUNOFF (AC-FT)	426100		220300	
10 PERCENT EXCEEDS	1990		838	
50 PERCENT EXCEEDS	95		60	
90 PERCENT EXCEEDS	40		.00	

e Estimated

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.43	11.43	11.58	11.06	13.93	13.73	13.58	12.06	13.42	11.63	11.54	13.73
2	13.01	11.43	11.56	11.41	13.99	13.76	13.61	11.93	12.29	11.58	11.52	12.58
3	12.80	11.43	11.52	10.91	13.92	13.71	13.61	11.85	13.71	11.55	11.48	12.78
4	12.78	11.43	11.50	10.97	13.93	12.93	13.61	11.78	13.75	11.33	11.42	12.51
5	12.72	11.43	11.48	11.20	13.91	12.23	13.64	11.72	13.30	11.18	11.38	12.42
6	12.72	11.41	11.46	11.28	13.90	12.14	13.66	11.67	13.30	11.37	11.36	11.98
7	12.24	11.47	11.44	11.37	13.84	12.08	13.66	11.64	12.73	11.35	11.36	13.28
8	12.17	11.43	11.41	11.37	13.80	12.03	13.66	11.66	11.86	11.34	11.37	14.06
9	12.12	11.43	11.39	13.06	13.80	12.07	13.66	11.59	11.75	11.34	11.42	13.89
10	12.08	11.48	11.38	13.96	13.83	12.11	13.67	11.54	11.67	11.45	11.46	13.15
11	12.04	11.47	11.34	13.98	13.81	---	13.65	11.50	11.61	11.57	11.39	12.72
12	12.00	11.46	11.32	13.76	13.81	---	13.63	11.47	11.57	11.51	11.35	13.57
13	11.97	11.42	11.30	13.47	13.83	12.05	13.43	11.42	11.54	11.47	11.35	14.12
14	11.93	11.38	11.28	13.74	13.63	11.77	13.45	11.37	11.51	11.43	11.40	14.05
15	11.90	11.35	11.27	13.63	13.58	11.58	13.43	11.34	11.52	11.33	11.39	14.09
16	11.87	11.33	11.26	13.76	13.67	12.75	13.73	11.30	11.52	11.46	11.37	13.70
17	11.84	11.31	11.24	13.38	13.79	12.62	13.80	11.27	11.48	11.46	11.36	13.30
18	11.81	11.29	11.21	13.53	13.79	13.07	13.74	11.22	11.43	11.42	11.32	12.79
19	11.77	11.27	11.19	13.44	13.81	12.81	13.69	11.19	11.39	11.37	11.27	12.77
20	11.74	12.29	11.16	13.52	13.71	12.52	13.57	11.15	11.35	11.32	11.24	12.74
21	11.71	13.72	11.13	13.47	13.73	12.39	13.59	11.09	11.31	11.27	11.17	12.13
22	11.67	13.34	11.12	13.54	13.67	12.30	13.62	11.04	11.27	11.27	11.14	12.05
23	11.65	13.46	11.12	13.49	13.81	12.89	13.46	11.00	11.28	11.28	11.16	11.99
24	11.62	13.26	11.11	13.43	13.74	12.61	13.31	10.97	11.48	11.33	11.17	12.01
25	11.60	12.68	11.10	13.68	13.75	13.64	13.32	10.93	12.35	11.32	11.38	11.94
26	11.57	11.84	11.09	14.03	13.78	13.58	13.42	10.89	12.49	11.30	11.31	11.97
27	11.55	12.22	11.08	14.18	13.89	13.64	13.48	10.85	12.46	11.35	11.29	11.92
28	11.52	11.72	11.05	13.89	13.77	13.67	13.42	10.89	12.77	11.55	11.63	11.89
29	11.50	11.67	11.03	13.77	---	13.69	13.31	11.98	11.79	11.55	12.98	11.86
30	11.47	11.62	11.01	14.00	---	13.68	12.97	13.67	11.68	11.52	12.56	11.82
31	11.45	---	11.01	13.88	---	13.62	---	13.33	---	11.56	13.13	---
TOTAL	372.25	354.47	349.14	404.16	386.42	---	406.38	357.31	361.58	353.76	356.67	383.81
MEAN	12.01	11.82	11.26	13.04	13.80	---	13.55	11.53	12.05	11.41	11.51	12.79
MAX	13.43	13.72	11.58	14.18	13.99	---	13.80	13.67	13.75	11.63	13.13	14.12
MIN	11.45	11.27	11.01	10.91	13.58	---	12.97	10.85	11.27	11.18	11.14	11.82

02286700 MIAMI CANAL AT S-8, NEAR LAKE HARBOR, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1280	33	40	98	2130	1680	e1470	49	1360	-3.6	5.8	1010
2	677	16	21	146	2210	1730	e1380	35	491	-6.7	29	519
3	512	35	51	-2.9	2080	1600	e1400	26	1780	-11	8.6	895
4	522	39	25	31	2070	707	1500	36	1740	-42	17	543
5	526	43	45	---	2060	53	1570	52	1100	31	12	400
6	585	56	43	---	2020	32	1590	23	1130	17	34	16
7	53	66	49	---	1910	43	1580	39	603	-9.2	2.7	1470
8	49	52	42	---	1850	25	1590	47	36	17	9.4	2110
9	47	52	44	---	1830	188	1560	52	57	52	31	1650
10	49	29	21	---	1880	165	1610	54	82	18	19	649
11	42	65	31	---	1820	---	1570	60	-44	14	39	525
12	8.0	45	43	---	1810	---	1540	46	28	-3.9	40	1700
13	1.1	74	27	---	1840	43	1280	55	77	13	50	2170
14	-5.7	61	39	---	1560	-4.0	1330	70	83	6.2	31	1970
15	16	48	53	---	1520	-30	1220	40	79	7.0	20	2000
16	19	34	48	1880	1660	976	1200	38	56	30	8.1	1400
17	32	20	46	1360	1810	593	1800	27	48	50	9.2	928
18	49	40	48	1560	1790	997	1680	38	40	4.5	37	535
19	46	16	51	1420	1810	883	1630	33	40	24	46	605
20	42	876	53	1530	1680	567	1410	51	58	20	49	610
21	62	1910	50	1480	1710	414	1500	24	61	4.6	32	19
22	56	1370	44	1540	1580	369	1500	38	46	18	12	27
23	49	1490	52	1480	1810	982	1270	17	4.1	17	6.3	29
24	46	1270	62	1370	1710	e628	1090	21	87	-12	23	64
25	48	697	64	1760	1720	e1510	1080	26	617	24	62	33
26	72	50	58	2400	1750	e1400	1150	42	684	27	50	44
27	59	427	34	2610	1910	e1440	1310	49	539	24	19	36
28	40	33	51	2050	1720	e1520	1230	40	850	25	356	36
29	25	56	61	1900	---	e1610	1070	611	49	19	966	-24
30	26	45	70	2250	---	1670	739	1730	16	28	744	-4.2
31	51	---	56	2030	---	e1560	---	1250	---	.57	1070	---
TOTAL	5083.4	9048	1422	---	51250	---	41849	4719	11797.1	402.47	3838.1	21964.8
MEAN	164	302	45.9	---	1830	---	1395	152	393	13.0	124	732
MAX	1280	1910	70	---	2210	---	1800	1730	1780	52	1070	2170
MIN	-5.7	16	21	---	1520	---	739	17	-44	-42	2.7	-24
AC-FT	10080	17950	2820	---	101700	---	83010	9360	23400	798	7610	43570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1993, BY WATER YEAR (WY)

MEAN	265	127	85.7	180	284	246	297	226	388	475	530	560
MAX	1050	696	519	1053	1830	1385	1395	624	2059	1854	1975	1950
(WY)	1983	1978	1978	1979	1993	1966	1993	1971	1982	1982	1974	1992
MIN	6.58	1.00	.000	-.87	.000	.000	.000	.065	.000	.097	-.48	.000
(WY)	1982	1968	1971	1968	1974	1968	1968	1962	1962	1962	1966	1981

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		WATER YEARS 1962 - 1993	
ANNUAL TOTAL	217249.4			
ANNUAL MEAN	594		304	
HIGHEST ANNUAL MEAN			587	1992
LOWEST ANNUAL MEAN			41.6	1967
HIGHEST DAILY MEAN	3410	Jun 30	4240	Oct 22 1969
LOWEST DAILY MEAN	-139	May 12	-369	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	-11	May 11	-43	Jul 29 1966
ANNUAL RUNOFF (AC-FT)	430900		220300	
10 PERCENT EXCEEDS	1990		875	
50 PERCENT EXCEEDS	85		59	
90 PERCENT EXCEEDS	28		.00	

e Estimated

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL

LOCATION.--Lat 25°56'28", long 80°26'23", in NE1/4 sec.9, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, south of State Road 997 approximately 800 ft on south bank, 1000 ft downstream from control structure 32, 14.1 mi upstream from salinity-control structure, 19.5 mi northwest of Miami, and 19.8 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to current year. Published as "at broken dam, near Miami" November 1959 to September 1967, and October 1984 to November 1988.

GAGE.--Water-stage and electromagnetic velocity meter recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to January 20, 1968, October 1984 to November 1988 at site 0.5 mi downstream at same datum.

REMARKS.--Records poor. Flow affected by regulation at downstream salinity-control structure and by upstream storage releases at control structures 31, 32, and 32A.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete water years of discharge (1960-84, 1992-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.59 ft July 1, 1982; minimum,1.40 ft May 31, 1962 (at site then in use).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.64 ft Sept. 14; minimum, 2.32 ft Mar. 29.

STATION NUMBER 02287395
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	2.86	3.05	3.12	2.91	3.12	2.84	3.09	3.14	2.99	3.13	3.11
2	3.06	2.87	3.02	3.11	2.90	3.06	2.86	3.09	3.16	2.98	3.10	3.28
3	3.11	2.88	3.10	3.11	2.91	3.05	2.89	3.08	3.11	2.98	3.08	3.29
4	3.04	3.17	3.04	3.13	2.90	3.01	2.93	3.06	3.09	3.00	3.07	3.21
5	2.97	3.10	3.02	3.08	2.89	2.99	2.96	3.05	3.12	2.99	3.05	3.19
6	2.95	3.07	3.02	3.05	2.91	2.97	2.98	3.03	3.14	2.97	3.03	3.13
7	2.94	3.08	3.02	3.06	2.92	2.95	2.99	3.01	3.04	2.94	3.03	3.07
8	2.95	3.10	2.99	3.04	2.90	2.91	3.01	3.01	3.00	3.01	3.00	3.05
9	2.95	3.14	3.00	3.26	2.90	2.90	3.02	2.99	3.02	3.01	3.03	3.06
10	2.93	3.45	3.01	3.30	2.88	2.90	3.06	2.95	2.99	3.01	3.05	3.02
11	2.92	3.43	2.97	3.32	2.89	2.88	3.06	2.93	2.96	3.02	3.08	3.01
12	2.88	3.37	2.98	3.18	2.85	2.90	3.06	2.94	2.94	3.01	3.19	---
13	2.95	3.26	2.98	3.03	2.82	3.22	3.04	2.91	2.94	2.99	3.26	---
14	2.90	3.18	2.97	2.93	2.88	3.19	3.05	2.85	2.91	3.13	3.39	---
15	2.91	3.14	2.97	2.94	2.89	3.13	3.07	2.83	2.98	3.20	3.29	---
16	2.90	3.10	2.96	3.15	2.92	2.99	3.20	2.81	3.02	3.13	3.26	---
17	2.90	3.07	2.96	3.13	2.92	2.72	3.15	2.78	2.99	3.09	3.25	---
18	2.88	3.62	2.96	3.04	2.98	3.08	3.20	2.75	2.99	3.06	3.21	---
19	2.89	3.37	2.98	2.90	2.98	2.91	3.18	2.69	3.00	3.01	3.16	---
20	2.90	3.54	2.99	2.85	2.96	2.91	3.15	2.65	2.97	3.03	3.11	---
21	2.90	3.56	2.98	2.80	3.02	2.89	3.14	2.60	2.92	3.17	3.08	3.06
22	2.90	3.54	2.99	2.72	3.00	2.78	3.11	2.56	2.91	3.15	3.13	3.00
23	2.89	3.36	2.96	2.78	3.19	2.69	3.10	2.59	2.92	3.23	3.10	2.98
24	2.87	3.23	2.96	3.03	3.15	2.60	3.12	2.56	2.99	3.34	3.08	2.95
25	2.87	3.10	2.98	2.91	3.10	2.56	3.12	2.53	2.98	3.22	3.22	2.99
26	2.86	3.03	2.97	2.79	3.11	2.52	3.07	2.51	3.02	3.16	3.43	2.96
27	2.86	3.01	2.98	2.88	3.18	2.46	3.08	2.48	3.07	3.14	3.42	2.94
28	2.84	3.11	2.98	2.92	3.14	2.41	3.07	2.55	3.00	3.13	3.26	2.95
29	2.83	3.10	2.96	2.91	---	2.42	3.06	2.65	2.97	3.14	3.21	2.93
30	2.84	3.08	2.95	2.92	---	2.64	3.07	2.72	2.97	3.17	3.16	2.91
31	2.83	---	2.99	2.92	---	2.76	---	2.95	---	3.17	3.10	---
TOTAL	90.41	95.92	92.69	93.31	83.00	88.52	91.64	87.20	90.26	95.57	97.96	---
MEAN	2.92	3.20	2.99	3.01	2.96	2.86	3.05	2.81	3.01	3.08	3.16	---
MAX	3.11	3.62	3.10	3.32	3.19	3.22	3.20	3.09	3.16	3.34	3.43	---
MIN	2.83	2.86	2.95	2.72	2.82	2.41	2.84	2.48	2.91	2.94	3.00	---

02287395 MIAMI CANAL EAST OF LEVEE 30, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	62	83	108	75	42	48	43	69	46	48	53
2	68	66	78	97	73	45	42	43	63	44	45	65
3	66	74	78	96	68	47	42	44	61	44	45	48
4	59	102	77	97	56	51	44	43	60	45	43	50
5	61	78	82	95	54	45	54	43	63	44	45	54
6	59	76	83	96	53	45	44	42	59	44	49	45
7	62	73	85	90	56	47	53	41	50	46	46	43
8	65	78	84	90	48	45	58	41	52	55	45	50
9	62	90	80	120	48	48	68	40	51	55	46	55
10	55	94	86	108	57	52	57	43	48	54	42	49
11	58	75	85	95	63	49	58	52	46	60	49	51
12	58	77	88	90	62	52	54	65	48	57	60	e40
13	57	89	83	88	64	61	53	57	47	54	65	e40
14	59	97	83	88	65	46	49	53	48	79	69	e60
15	60	99	81	86	52	45	50	51	55	76	51	e70
16	61	98	82	97	45	49	96	51	48	52	57	e50
17	59	94	82	90	45	76	52	49	47	44	52	e40
18	59	101	82	88	40	67	48	49	53	43	58	e40
19	61	89	83	84	39	51	45	47	49	40	50	e40
20	61	96	81	79	44	60	46	45	52	48	48	e40
21	60	94	79	78	46	54	49	45	53	59	55	42
22	61	97	77	75	54	49	55	43	51	47	62	41
23	61	86	83	71	68	46	51	49	51	54	50	45
24	62	85	87	65	43	45	51	48	56	56	51	40
25	65	86	90	80	45	48	48	47	57	42	78	47
26	65	89	87	85	59	46	46	46	57	44	73	45
27	63	93	85	99	48	44	46	44	49	47	55	42
28	61	93	91	84	44	43	42	75	45	55	55	43
29	61	89	87	72	---	43	42	68	50	54	57	52
30	61	86	85	64	---	43	42	84	55	54	50	46
31	64	---	97	65	---	50	---	90	---	51	48	---
TOTAL	1900	2606	2594	2720	1514	1534	1533	1581	1593	1593	1647	1426
MEAN	61.3	86.9	83.7	87.7	54.1	49.5	51.1	51.0	53.1	51.4	53.1	47.5
MAX	68	102	97	120	75	76	96	90	69	79	78	70
MIN	55	62	77	64	39	42	42	40	45	40	42	40
AC-FT	3770	5170	5150	5400	3000	3040	3040	3140	3160	3160	3270	2830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1993, BY WATER YEAR (WY)

MEAN	240	224	198	188	196	186	225	182	168	179	193	214
MAX	921	696	638	586	826	826	885	689	798	636	668	649
(WY)	1961	1961	1961	1961	1983	1983	1970	1970	1970	1982	1982	1966
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1981	1981	1981	1982	1982	1980	1980	1979	1979	1980	1980	1980

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1961 - 1993	
ANNUAL TOTAL	20508		22241			
ANNUAL MEAN	56.0		60.9		217	
HIGHEST ANNUAL MEAN					476	1970
LOWEST ANNUAL MEAN					50.2	1992
HIGHEST DAILY MEAN	102	Nov 4	120	Jan 9	1090	Mar 20 1970
LOWEST DAILY MEAN	17	Jan 21	39	Feb 19	.00	Apr 26 1979
ANNUAL SEVEN-DAY MINIMUM	21	Jan 16	41	Sep 17	.00	Apr 26 1979
ANNUAL RUNOFF (AC-FT)	40680		44120		157400	
10 PERCENT EXCEEDS	83		89		335	
50 PERCENT EXCEEDS	52		55		187	
90 PERCENT EXCEEDS	38		43		44	

e Estimated

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

LOCATION.--Lat 25°53'28", long 80°26'13", in NE1/4 sec.28, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), 0.7 mi north of Pennsuco Canal, 0.9 mi east of Dade Broward Levee, 2.5 mi southwest of the Miami Canal, 3 mi east of Levee No. 30 Canal, and 3.5 mi west of Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to current year.

GAGE.--Acoustic velocity meter, water-stage shaft encoder and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. (DERM bench mark).

REMARKS.--Records fair. Flow is the sum of regulation from vertical control structure DERM No. 1 and from levee seepage. Flow is positive to the east.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 1 water year of complete discharge (1992).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.71 ft Oct. 10, 1991; minimum, 1.39 ft May 28, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.34 ft Nov. 22; minimum, 3.49 ft May 27.

STATION NUMBER 02287497
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	4.24	3.87	4.39	2.99	3.96	4.52	4.89
2	---	---	---	---	---	4.08	3.81	4.21	2.92	4.04	4.52	4.88
3	---	---	---	---	---	4.04	3.78	3.76	2.85	4.03	4.51	---
4	---	---	---	---	---	4.27	4.41	3.58	2.79	4.06	4.53	---
5	---	---	---	---	---	4.22	4.38	3.45	2.73	4.06	4.56	---
6	---	---	---	---	3.35	4.14	4.33	3.29	2.81	4.00	4.60	4.96
7	---	---	---	---	3.61	3.89	4.29	3.16	3.17	3.95	4.59	4.95
8	---	---	---	---	4.02	3.91	4.24	3.04	3.58	3.91	4.64	4.99
9	---	---	---	---	3.94	4.10	4.19	2.94	3.80	3.87	4.65	5.05
10	---	---	---	---	3.87	4.11	4.15	2.87	3.95	3.86	4.62	5.07
11	---	---	---	---	3.81	4.09	4.10	2.81	3.86	3.88	4.63	5.06
12	---	---	---	---	3.75	4.06	4.06	2.73	3.76	3.86	4.72	5.06
13	---	---	---	---	3.70	4.10	4.02	2.67	3.69	3.88	4.88	5.06
14	---	---	---	---	3.66	4.27	3.99	---	3.64	3.95	4.88	5.06
15	---	---	---	---	3.74	4.27	3.95	---	3.59	3.92	4.86	5.04
16	---	---	---	---	3.98	4.20	3.90	---	3.53	3.89	4.86	5.04
17	---	---	---	---	4.02	4.20	3.86	---	3.56	3.90	4.85	5.03
18	---	---	---	---	4.04	4.19	3.85	3.24	3.55	3.83	4.84	5.03
19	---	---	---	---	4.04	4.15	3.86	3.04	3.61	3.78	4.84	5.01
20	---	---	---	---	4.00	4.11	4.07	3.00	3.72	3.80	4.84	5.01
21	---	---	---	---	3.98	4.08	4.15	3.03	3.75	3.86	4.84	5.02
22	---	---	---	---	3.97	4.05	4.11	3.16	3.67	4.02	---	5.04
23	---	---	---	---	3.97	4.06	4.07	3.34	3.64	4.14	---	5.06
24	---	---	---	---	3.96	4.05	4.02	3.32	3.74	4.13	---	5.05
25	---	---	---	---	3.97	4.02	4.07	3.25	3.84	4.20	---	5.08
26	---	---	---	---	4.06	3.99	4.58	3.26	3.80	4.20	4.93	5.17
27	---	---	---	---	4.10	3.95	4.65	3.25	3.79	4.31	4.91	5.16
28	---	---	---	---	4.20	3.92	---	3.20	3.72	4.37	4.90	5.14
29	---	---	---	---	---	3.90	---	3.14	3.70	4.39	4.90	5.12
30	---	---	---	---	---	3.88	4.45	3.09	3.80	4.52	4.90	5.15
31	---	---	---	---	---	3.87	---	3.04	---	4.52	4.89	---
TOTAL	---	---	---	---	---	126.41	---	---	105.55	125.09	---	---
MEAN	---	---	---	---	---	4.08	---	---	3.52	4.04	---	---
MAX	---	---	---	---	---	4.27	---	---	3.95	4.52	---	---
MIN	---	---	---	---	---	3.87	---	---	2.73	3.78	---	---

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	211	186	199	63	112	147	186
2	---	---	---	---	---	234	180	155	60	115	144	187
3	---	---	---	---	---	244	179	68	58	109	143	e193
4	---	---	---	---	---	258	208	61	58	106	142	e197
5	---	---	---	---	---	252	209	59	57	104	149	e193
6	---	---	---	---	87	239	199	50	72	99	151	191
7	---	---	---	---	148	201	195	49	109	98	147	191
8	---	---	---	---	205	218	191	45	134	98	157	200
9	---	---	---	---	190	255	189	43	131	96	154	198
10	---	---	---	---	179	255	184	40	132	97	151	198
11	---	---	---	---	170	257	178	40	115	101	151	197
12	---	---	---	---	164	257	174	40	105	98	180	197
13	---	---	---	---	155	244	171	45	102	96	222	e197
14	---	---	---	---	151	212	e168	e45	95	108	214	e196
15	---	---	---	---	167	208	e166	e43	91	121	189	e195
16	---	---	---	---	200	196	165	---	84	126	180	e194
17	---	---	---	---	204	196	163	---	90	125	179	e193
18	---	---	---	---	205	200	e162	---	90	122	178	e192
19	---	---	---	---	204	194	e169	---	104	122	179	e191
20	---	---	---	---	e200	191	e191	---	108	127	180	e189
21	---	---	---	---	e197	190	e189	---	98	130	180	188
22	---	---	---	---	e195	192	e188	84	88	130	e185	186
23	---	---	---	---	193	193	e187	94	89	136	e187	185
24	---	---	---	---	194	194	185	89	102	144	e188	184
25	---	---	---	---	194	195	188	82	105	148	e190	178
26	---	---	---	---	197	191	243	74	100	148	190	181
27	---	---	---	---	201	190	243	72	99	153	189	184
28	---	---	---	---	209	187	e227	71	94	154	187	182
29	---	---	---	---	---	186	e213	70	90	152	187	181
30	---	---	---	---	---	186	204	67	98	154	187	181
31	---	---	---	---	---	186	---	64	---	150	186	---
TOTAL	---	---	---	---	---	6612	5694	---	2821	3779	5393	5705
MEAN	---	---	---	---	---	213	190	---	94.0	122	174	190
MAX	---	---	---	---	---	258	243	---	134	154	222	200
MIN	---	---	---	---	---	186	162	---	57	96	142	178
AC-FT	---	---	---	---	---	13110	11290	---	5600	7500	10700	11320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1991, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	213	190	---	94.0	122	174	190
MAX	---	---	---	---	---	213	190	---	94.0	122	174	190
(WY)	---	---	---	---	---	1991	1991	---	1991	1991	1991	1991
MIN	---	---	---	---	---	213	190	---	94.0	122	174	190
(WY)	---	---	---	---	---	1991	1991	---	1991	1991	1991	1991

e Estimated

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	5.21	4.87	4.14	3.89	3.45	2.95	2.52	1.51	4.73	4.01	5.00
2	5.24	5.17	4.85	4.16	3.86	3.41	2.89	2.49	1.49	4.65	3.98	4.96
3	5.26	5.14	4.83	4.13	3.82	3.37	2.95	2.47	1.54	4.58	3.96	---
4	5.29	5.18	4.80	4.09	3.79	3.29	3.10	2.44	1.91	4.50	3.93	---
5	5.27	5.21	4.76	4.06	3.88	3.12	3.03	2.36	1.97	4.47	4.06	---
6	5.25	5.20	4.74	4.04	3.92	3.06	2.96	2.31	2.17	4.56	4.23	4.97
7	5.27	5.19	4.72	4.02	3.86	3.06	2.91	2.26	2.22	4.51	4.37	4.94
8	5.44	5.18	4.70	4.00	3.87	3.20	2.87	2.20	2.39	4.46	4.61	4.91
9	5.67	5.15	4.67	3.99	3.83	3.08	2.82	2.17	2.42	4.40	4.55	4.89
10	5.68	5.13	4.64	3.97	3.88	3.00	2.78	2.14	2.35	4.34	4.49	4.88
11	5.62	5.10	4.62	3.96	3.83	2.95	2.74	2.09	2.41	4.30	4.43	4.87
12	5.57	5.08	4.59	3.94	3.79	2.91	2.80	2.02	2.41	4.27	4.35	4.87
13	5.51	5.05	4.57	3.92	3.77	2.90	2.77	1.98	2.61	4.24	4.28	4.88
14	5.47	5.04	4.55	3.93	3.75	2.88	2.74	1.95	2.93	4.22	4.79	4.90
15	5.43	5.03	4.52	3.92	3.74	2.85	2.71	1.91	3.66	4.17	5.31	4.93
16	5.40	5.01	4.47	3.87	3.72	2.81	2.68	1.89	3.47	4.13	5.43	4.90
17	5.35	4.99	4.43	3.84	3.69	2.76	2.62	1.86	3.40	4.16	5.50	4.92
18	5.31	4.97	4.40	3.82	3.65	2.73	2.60	1.82	3.30	4.19	5.53	5.00
19	5.28	4.96	4.37	3.81	3.63	2.69	2.69	1.76	3.23	4.19	5.21	5.01
20	5.26	4.94	4.34	---	3.60	2.65	3.17	1.70	3.24	4.18	4.84	5.00
21	5.23	4.92	4.30	3.77	3.63	2.61	3.07	1.65	3.48	4.20	4.77	5.00
22	5.23	4.91	4.29	3.74	3.66	2.59	3.03	1.63	3.34	4.29	4.77	5.03
23	5.22	4.89	4.26	3.89	3.62	2.91	2.95	1.60	3.36	4.24	4.71	5.03
24	5.21	4.87	4.24	4.06	3.58	3.35	2.90	1.58	3.81	4.18	5.02	5.07
25	5.36	4.84	4.23	3.98	3.59	3.25	2.85	1.55	4.10	4.13	5.11	5.10
26	5.39	4.81	4.22	3.95	3.61	3.22	2.79	1.49	4.36	4.08	5.08	5.11
27	5.37	4.79	4.19	3.92	3.55	3.14	2.72	1.43	4.45	4.03	5.04	5.08
28	5.34	4.80	4.21	3.89	3.51	3.09	2.66	1.44	4.68	4.01	5.01	5.05
29	5.31	4.84	4.23	3.89	3.50	3.04	2.60	1.51	4.71	4.00	4.98	5.04
30	5.28	4.89	4.19	3.97	---	3.00	2.56	1.55	4.80	3.98	5.04	5.01
31	5.24	---	4.16	3.93	---	3.02	---	1.55	---	3.97	5.03	---
TOTAL	166.01	150.49	138.96	---	108.02	93.39	84.91	59.32	91.72	132.36	146.42	---
MEAN	5.36	5.02	4.48	---	3.72	3.01	2.83	1.91	3.06	4.27	4.72	---
MAX	5.68	5.21	4.87	---	3.92	3.45	3.17	2.52	4.80	4.73	5.53	---
MIN	5.21	4.79	4.16	---	3.50	2.59	2.56	1.43	1.49	3.97	3.93	---

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	119	166	148	146	131	77	70	80	128	110	e176
2	185	119	165	146	145	128	73	64	83	122	116	e174
3	179	117	165	148	145	127	81	67	86	121	119	e169
4	179	148	166	149	143	111	89	67	93	119	119	e174
5	175	167	163	148	146	89	81	67	105	118	138	e172
6	174	166	161	147	147	82	76	64	114	137	150	167
7	178	167	161	146	147	87	74	61	113	131	161	163
8	156	168	161	145	149	97	74	61	130	125	186	158
9	144	168	160	145	146	86	70	64	125	121	175	152
10	121	167	160	144	147	81	66	59	112	118	168	146
11	92	167	159	144	146	78	64	62	109	120	159	142
12	96	168	158	145	145	76	65	62	103	119	154	138
13	98	169	159	145	143	79	70	59	103	126	150	139
14	99	166	159	146	142	79	71	59	127	122	275	142
15	102	167	159	146	141	77	70	57	163	118	354	147
16	107	167	159	145	141	76	70	55	142	119	360	142
17	109	167	157	144	141	75	67	54	131	113	360	147
18	112	167	160	144	141	74	64	54	120	112	355	158
19	114	167	159	143	140	72	71	54	112	118	263	155
20	115	168	154	e143	139	72	94	54	117	122	186	151
21	118	169	152	142	138	72	86	53	139	120	172	142
22	120	166	152	142	138	71	89	49	122	125	169	137
23	115	166	151	147	135	94	81	48	113	125	166	139
24	114	167	150	151	135	113	77	52	130	121	193	143
25	120	166	150	150	132	98	75	48	127	123	211	148
26	123	163	150	148	135	91	70	51	143	125	204	146
27	122	162	149	146	134	86	70	48	136	122	199	143
28	122	161	153	146	133	82	71	57	140	122	193	140
29	119	164	153	148	131	76	70	76	128	118	185	139
30	119	167	151	153	---	75	68	85	128	117	e184	136
31	119	---	150	149	---	84	---	81	---	113	e182	---
TOTAL	4037	4830	4872	4533	4091	2719	2224	1862	3574	3760	6116	4525
MEAN	130	161	157	146	141	87.7	74.1	60.1	119	121	197	151
MAX	191	169	166	153	149	131	94	85	163	137	360	176
MIN	92	117	149	142	131	71	64	48	80	112	110	136
AC-FT	8010	9580	9660	8990	8110	5390	4410	3690	7090	7460	12130	8980

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	130	161	157	146	141	150	132	60.1	107	122	186	170
MAX	130	161	157	146	141	213	190	60.1	119	122	197	190
(WY)	1992	1992	1992	1992	1992	1991	1991	1992	1992	1991	1992	1991
MIN	130	161	157	146	141	87.7	74.1	60.1	94.0	121	174	151
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1991	1992	1991	1992

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1991 - 1992	
ANNUAL TOTAL	47143			
ANNUAL MEAN	129		129	
HIGHEST ANNUAL MEAN			129	1992
LOWEST ANNUAL MEAN			129	1992
HIGHEST DAILY MEAN	360	Aug 16	360	Aug 16 1992
LOWEST DAILY MEAN	48	May 23	40	May 10 1991
ANNUAL SEVEN-DAY MINIMUM	50	May 21	42	May 9 1991
ANNUAL RUNOFF (AC-FT)	93510		93310	
10 PERCENT EXCEEDS	168		195	
50 PERCENT EXCEEDS	136		144	
90 PERCENT EXCEEDS	70		70	

e Estimated

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.01	4.63	5.15	4.87	4.98	4.60	4.74	4.26	4.80	4.68	4.98	4.65
2	5.05	4.61	5.12	4.89	4.95	4.57	4.70	4.24	4.76	4.75	4.95	4.85
3	5.12	4.59	5.10	---	4.93	4.55	4.64	4.23	4.74	4.73	4.91	4.92
4	5.11	4.94	5.07	---	4.90	4.54	4.61	4.21	4.73	4.69	4.85	4.88
5	5.07	5.05	5.05	4.96	4.89	4.50	4.65	4.19	4.75	4.63	4.80	4.88
6	5.04	5.03	5.03	4.96	4.88	4.47	4.62	4.16	4.81	---	4.75	4.82
7	5.01	5.02	5.01	4.96	4.88	4.45	4.58	4.12	4.78	---	4.69	4.75
8	4.99	5.05	4.99	4.97	4.87	4.42	4.55	4.09	4.73	---	4.65	4.72
9	4.97	5.06	4.98	5.11	4.85	4.40	4.56	4.05	4.67	4.62	4.66	4.73
10	4.95	5.22	4.97	5.20	4.83	4.37	4.58	4.01	4.60	4.60	4.72	4.74
11	4.93	5.25	4.96	5.22	4.81	4.34	4.54	3.96	4.58	4.61	4.72	4.72
12	4.91	5.25	4.94	5.20	4.79	4.32	4.51	3.98	4.54	4.61	4.82	4.70
13	4.89	5.23	4.92	5.18	4.77	4.56	4.47	3.96	4.50	4.69	4.93	4.67
14	4.87	5.21	4.90	5.17	4.74	4.55	4.45	3.91	4.45	4.73	4.98	4.78
15	4.84	5.18	4.89	5.17	4.72	4.50	4.42	3.87	4.49	4.79	4.94	4.93
16	4.83	5.15	4.88	5.19	4.69	4.49	4.70	3.84	4.61	4.78	4.90	4.97
17	4.83	5.12	4.86	5.19	4.67	4.56	4.71	---	4.64	4.74	4.88	4.96
18	4.86	5.15	4.85	5.17	4.64	4.86	4.67	---	4.63	4.69	4.83	4.92
19	4.86	5.14	4.84	5.16	4.60	4.86	4.62	3.76	4.59	4.65	4.77	4.87
20	4.84	5.20	4.83	5.15	4.58	4.90	4.58	3.75	4.55	4.68	4.72	4.81
21	4.80	5.27	4.81	5.13	4.56	4.93	4.54	3.71	4.53	4.72	4.67	4.76
22	4.78	5.33	4.80	5.11	4.54	4.91	4.51	3.67	4.53	---	4.64	4.71
23	4.75	5.32	4.78	5.09	4.69	4.89	4.46	3.64	4.51	---	4.59	4.68
24	4.74	5.31	4.78	5.08	4.68	4.87	4.43	3.61	4.52	4.93	4.55	4.66
25	4.73	5.29	4.78	5.09	4.63	4.88	4.41	3.58	4.61	4.90	4.63	4.67
26	4.71	5.27	4.78	5.11	4.63	4.89	4.39	3.55	4.66	4.87	4.74	4.69
27	4.70	5.25	4.78	5.09	4.68	4.87	4.38	3.52	4.69	4.87	4.75	4.66
28	4.68	5.24	4.77	5.07	4.64	4.85	4.35	3.68	4.70	4.91	4.72	4.63
29	4.67	5.21	4.76	5.05	---	4.81	4.31	3.82	4.66	4.92	4.71	4.61
30	4.66	5.18	4.74	5.02	---	4.78	4.28	3.93	4.62	4.97	4.68	4.57
31	4.64	---	4.75	5.00	---	4.76	---	4.50	---	4.98	4.65	---
TOTAL	150.84	153.75	151.87	---	133.02	144.25	135.96	---	138.98	---	147.78	142.91
MEAN	4.87	5.12	4.90	---	4.75	4.65	4.53	---	4.63	---	4.77	4.76
MAX	5.12	5.33	5.15	---	4.98	4.93	4.74	---	4.81	---	4.98	4.97
MIN	4.64	4.59	4.74	---	4.54	4.32	4.28	---	4.45	---	4.55	4.57

02287497 N.W. WELLFIELD CANAL NEAR DADE BROWARD LEVEE, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	119	146	133	130	105	---	---	172	126	129	121
2	142	120	144	131	129	102	---	---	164	135	127	136
3	152	119	143	e132	126	100	---	---	155	130	124	151
4	150	164	141	e134	126	105	---	---	148	119	119	149
5	145	177	141	137	126	102	---	---	158	115	115	153
6	139	170	139	135	125	100	---	---	155	e112	110	145
7	137	165	139	133	126	98	---	---	151	e111	106	136
8	135	162	140	131	125	98	---	---	148	e120	101	132
9	132	159	139	140	126	98	---	---	142	113	108	138
10	130	171	138	141	124	95	---	---	137	112	113	143
11	129	167	139	135	123	95	---	---	135	108	112	136
12	129	165	138	134	122	93	---	---	128	110	124	129
13	127	161	136	134	121	120	---	---	127	124	140	125
14	126	159	132	134	119	112	---	---	125	128	143	122
15	125	152	130	132	118	107	---	---	127	136	139	140
16	124	147	131	134	116	106	---	---	130	133	132	145
17	123	143	132	136	115	115	---	---	137	125	129	145
18	134	143	132	135	112	143	---	---	133	119	126	141
19	135	132	130	134	110	142	---	---	130	118	121	135
20	129	135	129	132	107	145	---	---	126	127	117	128
21	126	139	128	132	105	145	---	---	128	123	114	124
22	123	138	127	132	104	143	---	---	129	e123	113	120
23	123	139	127	131	118	142	---	---	128	e123	111	120
24	122	139	127	129	115	141	---	---	120	121	108	120
25	122	140	125	132	110	140	---	110	127	123	102	119
26	122	140	126	140	113	139	---	108	127	122	111	121
27	122	143	122	141	115	---	---	111	121	113	114	121
28	122	147	124	135	110	---	98	132	119	110	110	119
29	122	148	122	133	---	---	---	130	110	124	108	118
30	120	147	122	130	---	---	---	145	110	133	111	118
31	120	---	123	130	---	---	---	167	---	123	114	---
TOTAL	4021	4450	4112	4152	3316	---	---	---	4047	3759	3651	3950
MEAN	130	148	133	134	118	---	---	---	135	121	118	132
MAX	152	177	146	141	130	---	---	---	172	136	143	153
MIN	120	119	122	129	104	---	---	---	110	108	101	118
AC-FT	7980	8830	8160	8240	6580	---	---	---	8030	7460	7240	7830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1993, BY WATER YEAR (WY)

MEAN	130	155	145	140	130	150	132	60.1	116	121	163	158
MAX	130	161	157	146	141	213	190	60.1	135	122	197	190
(WY)	1992	1992	1992	1992	1992	1991	1991	1992	1993	1991	1992	1991
MIN	130	148	133	134	118	87.7	74.1	60.1	94.0	121	118	132
(WY)	1993	1993	1993	1993	1993	1992	1992	1992	1991	1993	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		WATER YEARS 1991 - 1993	
ANNUAL TOTAL	45987			
ANNUAL MEAN	126		129	
HIGHEST ANNUAL MEAN			129	1992
LOWEST ANNUAL MEAN			129	1992
HIGHEST DAILY MEAN	360	Aug 16	360	Aug 16 1992
LOWEST DAILY MEAN	48	May 23	40	May 10 1991
ANNUAL SEVEN-DAY MINIMUM	50	May 21	42	May 9 1991
ANNUAL RUNOFF (AC-FT)	91220		93310	
10 PERCENT EXCEEDS	162		189	
50 PERCENT EXCEEDS	130		133	
90 PERCENT EXCEEDS	70		79	

e Estimated

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

LOCATION.--Lat 25°52'34", long 80°23'17", in SE1/4 sec.31, T.52 S., R.40 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), .05 mi east of West Dade Expressway (Toll Road), .55 mi south of Pennsuco Canal, and 1.4 mi southwest of Miami Canal at Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic velocity meter installed February 1991. Datum of gage is National Geodetic Vertical Datum of 1929. (DERM bench mark).

REMARKS.--Records good, except for estimated discharge which are fair. Flow is the sum of regulation from upstream control structure DERM No. 1 and from levee seepage and rainfall. Positive flow is to the south and is rarely reversed.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent incomplete water years of discharge.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.66 ft Oct. 10, 1991; minimum, 1.34 ft May 28, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.24 ft Nov. 24 minimum, 3.43 ft May 27.

STATION NUMBER 02288010
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	3.99	3.69	4.18	2.96	3.91	4.39	4.65
2	---	---	---	---	---	3.66	3.62	4.05	2.90	3.98	4.41	4.64
3	---	---	---	---	---	3.57	3.60	3.68	2.83	3.98	4.40	4.67
4	---	---	---	---	---	3.81	4.18	3.52	2.76	4.02	4.41	4.73
5	---	---	---	---	---	3.78	4.16	3.39	2.71	4.01	4.45	4.74
6	---	---	---	---	---	3.73	4.13	3.23	2.77	3.96	4.46	4.73
7	---	---	---	---	---	3.58	4.09	3.11	3.09	3.91	4.45	4.71
8	---	---	---	---	---	3.54	4.05	2.99	3.48	3.87	4.47	4.74
9	---	---	---	---	---	3.66	4.00	2.89	3.69	3.84	4.48	4.80
10	---	---	---	---	---	3.66	3.97	2.83	3.84	3.82	4.47	4.82
11	---	---	---	---	---	3.64	3.93	2.78	3.76	3.84	4.47	4.81
12	---	---	---	---	---	3.61	3.88	2.71	3.67	3.82	4.51	4.81
13	---	---	---	---	---	3.71	3.84	2.65	3.62	3.84	4.60	4.82
14	---	---	---	---	---	4.06	3.82	---	3.58	3.90	4.61	4.83
15	---	---	---	---	---	4.07	3.79	---	3.53	3.84	4.64	4.81
16	---	---	---	---	3.74	4.01	3.74	---	3.48	3.78	4.66	4.81
17	---	---	---	---	3.78	4.00	3.71	2.82	3.51	3.80	4.65	4.81
18	---	---	---	---	3.79	4.00	3.70	3.13	3.50	3.73	4.64	4.80
19	---	---	---	---	3.79	3.96	3.70	2.97	3.55	3.68	4.62	4.78
20	---	---	---	---	3.76	3.92	3.88	2.94	3.66	3.70	4.63	4.78
21	---	---	---	---	3.75	3.89	3.96	2.95	3.69	3.75	4.62	4.80
22	---	---	---	---	3.75	3.86	3.92	3.08	3.62	3.94	4.63	4.82
23	---	---	---	---	3.75	3.86	3.88	3.27	3.60	4.04	4.66	4.84
24	---	---	---	---	3.74	3.86	3.84	3.25	3.69	4.02	4.66	4.84
25	---	---	---	---	3.74	3.83	3.88	3.20	3.78	---	4.68	4.88
26	---	---	---	---	3.84	3.79	4.33	3.22	3.76	---	4.68	4.97
27	---	---	---	---	3.86	3.76	4.40	3.20	3.74	4.17	4.66	4.95
28	---	---	---	---	3.96	3.72	4.34	3.15	3.68	4.23	4.65	4.93
29	---	---	---	---	---	3.70	4.30	3.10	3.66	4.26	4.66	4.92
30	---	---	---	---	---	3.69	4.23	3.05	3.76	4.39	4.66	4.94
31	---	---	---	---	---	3.70	---	3.01	---	4.39	4.65	---
TOTAL	---	---	---	---	---	117.62	118.56	---	103.87	---	141.63	144.18
MEAN	---	---	---	---	---	3.79	3.95	---	3.46	---	4.57	4.81
MAX	---	---	---	---	---	4.07	4.40	---	3.84	---	4.68	4.97
MIN	---	---	---	---	---	3.54	3.60	---	2.71	---	4.39	4.64

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	114	78	94	37	47	96	131
2	---	---	---	---	---	159	79	87	35	48	88	131
3	---	---	---	---	---	170	77	66	32	45	89	135
4	---	---	---	---	---	174	87	59	35	45	89	139
5	---	---	---	---	---	167	90	56	36	49	97	138
6	---	---	---	---	---	159	92	50	33	46	101	136
7	---	---	---	---	---	138	91	47	45	48	99	134
8	---	---	---	---	---	149	90	44	54	47	113	139
9	---	---	---	---	---	165	89	42	61	49	114	142
10	---	---	---	---	---	167	86	33	65	47	110	143
11	---	---	---	---	---	164	85	26	60	50	111	146
12	---	---	---	---	---	163	81	27	57	46	128	144
13	---	---	---	---	---	142	79	26	55	43	151	139
14	---	---	---	---	---	89	79	e26	53	48	149	140
15	---	---	---	---	---	89	77	e28	52	68	132	134
16	---	---	---	---	106	85	78	e27	51	78	129	132
17	---	---	---	---	106	87	75	38	50	81	127	134
18	---	---	---	---	106	91	75	50	50	80	128	135
19	---	---	---	---	105	90	74	42	51	79	129	132
20	---	---	---	---	105	88	e76	41	47	79	133	133
21	---	---	---	---	106	86	e79	42	45	80	132	128
22	---	---	---	---	104	87	e81	44	44	69	138	130
23	---	---	---	---	105	87	83	49	45	71	137	128
24	---	---	---	---	105	86	83	48	46	82	141	127
25	---	---	---	---	104	87	84	43	49	e83	138	123
26	---	---	---	---	106	85	94	41	48	e85	136	127
27	---	---	---	---	107	84	100	42	49	99	136	129
28	---	---	---	---	111	83	99	40	49	106	133	124
29	---	---	---	---	---	83	99	e39	45	99	133	120
30	---	---	---	---	---	80	96	e38	43	96	131	116
31	---	---	---	---	---	79	---	e37	---	95	132	---
TOTAL	---	---	---	---	---	3577	2536	1372	1422	2088	3800	3989
MEAN	---	---	---	---	---	115	84.5	44.3	47.4	67.4	123	133
MAX	---	---	---	---	---	174	100	94	65	106	151	146
MIN	---	---	---	---	---	79	74	26	32	43	88	116
AC-FT	---	---	---	---	---	7090	5030	2720	2820	4140	7540	7910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1991, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	115	84.5	44.3	47.4	67.4	123	133
MAX	---	---	---	---	---	115	84.5	44.3	47.4	67.4	123	133
(WY)	---	---	---	---	---	1991	1991	1991	1991	1991	1991	1991
MIN	---	---	---	---	---	115	84.5	44.3	47.4	67.4	123	133
(WY)	---	---	---	---	---	1991	1991	1991	1991	1991	1991	1991

e Estimated

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.04	5.13	4.68	3.97	3.72	3.29	2.88	2.47	1.42	4.64	3.94	4.81
2	5.03	5.10	4.66	4.01	3.69	3.25	2.83	2.44	1.40	4.56	3.90	4.79
3	5.07	5.06	4.65	3.97	3.65	3.21	2.87	2.41	1.44	4.49	3.87	4.79
4	5.10	5.05	4.62	3.93	3.63	3.15	3.01	2.36	1.82	4.42	3.84	4.82
5	5.09	5.06	4.58	3.90	3.71	3.02	2.95	2.31	1.85	4.38	3.92	4.82
6	5.08	5.05	4.56	3.88	3.76	2.97	2.88	2.26	2.03	4.45	4.07	4.81
7	5.09	5.03	4.54	3.86	3.69	2.98	2.83	2.21	2.10	4.41	4.18	4.79
8	5.33	5.02	4.52	3.83	3.70	3.09	2.81	2.15	2.21	4.37	4.37	4.78
9	5.61	4.99	4.49	3.82	3.66	2.99	2.76	2.11	2.26	4.30	4.33	4.76
10	5.64	4.96	4.47	3.81	3.70	2.92	2.72	2.08	2.22	4.25	4.29	4.77
11	5.59	4.93	4.44	3.80	3.65	2.87	2.68	2.03	2.29	4.21	4.24	4.77
12	5.54	4.91	4.41	3.77	3.61	2.83	2.75	1.97	2.31	4.17	4.17	4.77
13	5.48	4.88	4.39	3.75	3.59	2.81	2.72	1.93	2.49	4.14	4.11	4.79
14	5.42	4.87	4.38	3.76	3.58	2.81	2.67	1.90	2.78	4.12	4.33	4.79
15	5.38	4.86	4.34	3.75	3.57	2.78	2.64	1.86	3.49	4.07	4.69	4.82
16	5.35	4.84	4.29	3.70	3.55	2.73	2.61	1.84	3.33	4.03	4.80	4.80
17	5.29	4.82	4.26	3.66	3.52	2.69	2.56	1.81	3.27	4.07	4.87	4.81
18	5.24	4.80	4.23	3.66	3.48	2.65	2.54	1.76	3.19	4.10	4.91	4.88
19	5.21	4.77	4.19	3.65	3.46	2.63	2.63	1.70	3.13	4.09	4.81	4.89
20	5.18	4.76	4.14	3.63	3.43	2.59	3.08	1.65	3.12	4.08	4.61	4.89
21	5.15	4.75	4.12	3.60	3.46	2.54	2.99	1.60	3.32	4.10	4.57	4.91
22	5.15	4.74	4.11	3.57	3.49	2.52	2.95	1.58	3.21	4.18	4.57	4.94
23	5.15	4.72	4.08	3.72	3.46	2.81	2.88	1.55	3.27	4.14	4.51	4.95
24	5.13	4.70	4.07	3.89	3.42	3.22	2.83	1.54	3.70	4.07	4.75	4.98
25	5.28	4.67	4.06	3.81	3.43	3.13	2.79	1.51	4.00	4.02	4.86	5.00
26	5.31	4.64	4.05	3.77	3.45	3.14	2.74	1.45	4.24	3.97	4.83	5.00
27	5.29	4.63	4.02	3.74	3.38	3.06	2.67	1.39	4.33	3.93	4.81	4.98
28	5.26	4.64	4.04	3.72	3.35	3.02	2.61	1.38	4.57	3.91	4.79	4.96
29	5.23	4.66	4.06	3.72	3.35	2.98	2.55	1.42	4.62	3.91	4.78	4.95
30	5.20	4.70	4.02	3.79	---	2.93	2.50	1.45	4.72	3.89	4.84	4.92
31	5.16	---	3.98	3.76	---	2.95	---	1.46	---	3.89	4.84	---
TOTAL	163.07	145.74	133.45	117.20	103.14	90.56	82.93	57.58	88.13	129.36	138.40	145.74
MEAN	5.26	4.86	4.30	3.78	3.56	2.92	2.76	1.86	2.94	4.17	4.46	4.86
MAX	5.64	5.13	4.68	4.01	3.76	3.29	3.08	2.47	4.72	4.64	4.91	5.00
MIN	5.03	4.63	3.98	3.57	3.35	2.52	2.50	1.38	1.40	3.89	3.84	4.76

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	•58	111	102	103	96	63	55	66	73	65	111
2	127	•56	113	97	100	97	61	54	65	74	71	109
3	119	•55	116	98	101	101	65	52	63	73	71	105
4	119	---	116	100	100	90	73	52	61	72	74	110
5	114	97	113	99	98	78	65	53	74	76	90	108
6	113	102	114	99	99	74	61	52	80	85	102	101
7	116	103	112	100	102	77	62	56	77	81	116	99
8	79	102	110	103	104	84	61	55	89	80	128	96
9	41	104	111	103	102	76	60	53	85	77	123	92
10	23	105	113	102	102	70	56	53	81	77	119	85
11	8.1	109	112	102	104	70	55	54	82	76	115	79
12	15	110	108	103	105	69	52	54	74	74	113	75
13	26	110	113	103	107	68	56	52	80	75	•112	76
14	31	106	114	102	103	68	58	52	88	75	171	79
15	37	109	115	103	103	68	55	51	91	74	213	86
16	41	•106	111	103	104	66	52	49	81	73	223	81
17	45	•107	109	102	102	65	51	51	81	74	222	85
18	51	•108	110	104	105	64	49	50	78	77	220	92
19	55	•109	106	102	102	65	52	52	74	78	169	89
20	57	109	109	•101	103	64	62	51	79	81	123	85
21	60	112	107	101	100	63	62	52	99	78	120	76
22	59	116	109	101	102	61	61	49	86	77	119	73
23	55	112	109	99	101	71	59	47	77	81	119	74
24	59	112	108	101	100	79	58	45	78	81	126	76
25	64	109	105	102	97	71	55	46	76	81	137	82
26	•57	109	106	103	98	69	55	47	86	82	133	81
27	•60	108	106	102	98	67	57	48	•82	77	132	79
28	•62	104	107	101	95	64	57	55	•86	77	128	79
29	•61	105	106	103	94	59	53	63	•74	74	118	78
30	•60	110	103	108	---	58	52	67	•74	73	118	75
31	•59	---	103	104	---	65	---	65	---	72	116	---
TOTAL	2003.1	---	3405	3153	2934	2237	1738	1635	2367	2378	4006	2616
MEAN	64.6	---	110	102	101	72.2	57.9	52.7	78.9	76.7	129	87.2
MAX	130	---	116	108	107	101	73	67	99	85	223	111
MIN	8.1	---	103	97	94	58	49	45	61	72	65	73
AC-FT	3970	---	6750	6250	5820	4440	3450	3240	4690	4720	7950	5190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	64.6	---	110	102	101	93.8	71.2	48.5	63.1	72.0	126	110
MAX	64.6	---	110	102	101	115	84.5	52.7	78.9	76.7	129	133
(WY)	1992	---	1992	1992	1992	1991	1991	1992	1992	1992	1992	1991
MIN	64.6	---	110	102	101	72.2	57.9	44.3	47.4	67.4	123	87.2
(WY)	1992	---	1992	1992	1992	1992	1992	1991	1991	1991	1991	1992

SUMMARY STATISTICS	WATER YEARS 1991 - 1992	
HIGHEST DAILY MEAN	223	Aug 16 1992
LOWEST DAILY MEAN	8.1	Oct 11 1991
ANNUAL SEVEN-DAY MINIMUM	26	Oct 9 1991
10 PERCENT EXCEEDS	129	
50 PERCENT EXCEEDS	85	
90 PERCENT EXCEEDS	48	

• Estimated

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.91	4.55	5.03	4.78	4.89	4.53	4.65	4.19	4.66	4.61	4.91	4.58
2	4.94	4.53	5.00	4.80	4.86	4.50	4.62	4.17	4.63	4.67	4.88	4.74
3	4.99	4.51	4.98	4.82	4.83	4.48	4.57	4.16	4.62	4.65	4.84	4.80
4	4.99	4.79	4.95	4.85	4.81	---	4.54	4.14	4.62	4.61	4.79	4.77
5	4.97	4.88	4.93	4.87	4.80	4.46	4.59	4.11	4.64	4.57	4.74	4.76
6	4.93	4.88	4.91	4.87	4.80	---	4.56	4.08	4.70	4.53	4.69	4.72
7	4.92	4.88	4.90	4.86	4.80	---	4.52	4.05	4.66	4.52	4.64	4.65
8	4.90	4.91	4.89	4.88	4.78	4.39	4.49	4.02	4.62	4.57	4.60	4.63
9	4.89	4.93	4.87	5.00	4.76	---	4.49	3.98	4.57	4.57	4.60	4.65
10	4.87	5.06	4.87	5.10	4.75	4.33	4.53	3.94	4.51	4.54	4.65	4.67
11	4.85	5.10	4.85	5.13	4.73	4.30	4.49	3.90	4.49	4.57	4.66	4.66
12	4.83	5.10	4.83	5.11	4.72	4.27	4.45	3.91	4.45	4.57	4.75	4.65
13	4.80	5.10	4.82	5.10	4.68	4.25	4.42	3.90	4.42	4.62	4.84	4.60
14	4.78	5.08	4.80	5.08	4.65	4.26	4.39	3.86	4.38	4.67	4.88	4.69
15	4.76	5.05	4.79	5.09	4.63	4.26	4.35	3.82	4.42	4.73	4.85	4.83
16	4.75	5.02	4.78	5.10	4.61	4.26	4.61	3.79	4.53	4.71	4.82	4.86
17	4.76	5.00	4.77	5.09	4.59	4.37	4.63	3.76	4.55	4.67	4.79	4.86
18	4.77	5.04	4.76	5.08	4.57	4.74	4.60	3.72	4.54	4.63	4.75	4.82
19	4.77	5.04	4.75	5.06	4.53	4.73	4.55	3.72	4.50	4.59	4.71	4.78
20	4.74	5.09	4.74	5.04	4.51	4.78	4.51	3.71	4.47	4.60	4.66	4.72
21	4.71	5.15	4.73	5.03	4.49	4.80	4.48	3.66	4.45	4.66	4.61	4.68
22	4.69	5.23	4.71	5.02	4.48	4.78	4.45	3.62	4.45	4.68	4.59	4.64
23	4.67	5.23	4.70	5.00	4.61	4.77	4.40	3.57	4.43	4.74	4.53	4.61
24	4.66	5.21	4.69	4.99	4.58	4.76	4.37	3.55	4.46	4.87	4.50	4.58
25	4.65	5.19	4.70	5.00	4.55	4.77	4.35	3.51	4.54	4.84	4.57	4.60
26	4.63	5.16	4.69	5.02	4.55	---	4.34	3.49	4.59	4.81	4.68	4.62
27	4.62	5.14	4.70	4.99	4.59	4.76	4.33	3.45	4.63	4.83	4.69	4.58
28	4.60	5.12	4.69	4.96	4.56	4.74	4.28	3.58	4.64	4.87	4.66	4.56
29	4.59	5.09	4.68	4.95	---	4.71	4.25	3.72	4.61	4.87	4.65	4.54
30	4.58	5.05	4.66	4.93	---	4.69	4.21	3.83	4.58	4.90	4.62	4.50
31	4.57	---	4.66	4.91	---	---	---	4.36	---	4.91	4.59	---
TOTAL	148.09	150.11	148.83	154.51	130.71	---	134.02	119.27	136.36	145.18	145.74	140.35
MEAN	4.78	5.00	4.80	4.98	4.67	---	4.47	3.85	4.55	4.68	4.70	4.68
MAX	4.99	5.23	5.03	5.13	4.89	---	4.65	4.36	4.70	4.91	4.91	4.86
MIN	4.57	4.51	4.66	4.78	4.48	---	4.21	3.45	4.38	4.52	4.50	4.50

02288010 N.W. WELLFIELD CANAL NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	73	96	86	---	---	101	80	96	73	77	72
2	80	72	98	82	---	---	96	78	95	77	74	91
3	88	75	96	84	---	---	91	83	90	73	70	98
4	89	105	93	86	---	---	85	79	83	71	67	96
5	86	114	95	83	---	---	89	82	89	69	65	96
6	82	109	93	82	---	---	86	80	92	62	64	89
7	81	107	93	81	---	---	85	77	90	61	59	83
8	78	102	95	79	---	---	85	77	88	70	59	83
9	77	103	91	85	---	---	86	74	84	65	63	89
10	76	105	91	78	---	57	89	76	81	63	64	90
11	77	104	92	74	---	---	84	75	80	56	65	81
12	73	106	90	72	---	---	81	74	77	54	74	74
13	74	103	91	75	---	---	81	76	75	65	84	71
14	74	103	88	75	---	---	80	77	74	e71	87	77
15	74	95	87	72	---	---	79	73	72	e79	88	87
16	72	92	84	76	---	67	100	73	74	71	85	93
17	69	88	86	75	---	107	94	66	81	68	82	e93
18	77	90	84	77	---	122	91	60	81	65	78	88
19	76	82	84	78	---	121	84	58	76	63	77	81
20	73	83	81	75	---	126	82	57	71	71	74	79
21	71	88	80	78	---	127	80	55	71	68	71	77
22	70	82	81	77	---	123	80	e55	73	69	69	72
23	72	83	81	76	---	123	79	e56	73	69	67	73
24	72	85	83	76	---	---	78	e57	62	67	66	74
25	71	83	82	79	---	---	78	57	68	70	64	74
26	71	85	79	83	---	---	76	56	67	70	68	73
27	72	87	76	83	---	---	78	57	62	66	65	73
28	75	91	78	79	---	---	79	66	64	61	67	72
29	77	93	76	81	---	---	80	72	62	70	66	74
30	75	94	78	80	---	---	80	75	60	82	66	72
31	74	---	80	---	---	---	---	89	---	80	67	---
TOTAL	2352	2782	2682	---	---	---	2537	2170	2311	2119	2192	2445
MEAN	75.9	92.7	86.5	---	---	---	84.6	70.0	77.0	68.4	70.7	81.5
MAX	89	114	98	---	---	---	101	89	96	82	88	98
MIN	69	72	76	---	---	---	76	55	60	54	59	71
AC-FT	4670	5520	5320	---	---	---	5030	4300	4580	4200	4350	4850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1993, BY WATER YEAR (WY)

MEAN	70.2	92.7	98.2	102	101	93.8	75.7	55.7	67.8	70.8	108	101
MAX	75.9	92.7	110	102	101	115	84.6	70.0	78.9	76.7	129	133
(WY)	1993	1993	1992	1992	1992	1991	1993	1993	1992	1992	1992	1991
MIN	64.6	92.7	86.5	102	101	72.2	57.9	44.3	47.4	67.4	70.7	81.5
(WY)	1992	1993	1993	1992	1992	1992	1992	1991	1991	1991	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		WATER YEARS 1991 - 1993	
ANNUAL TOTAL	30880			
ANNUAL MEAN	84.4			
HIGHEST DAILY MEAN	223	Aug 16	223	Aug 16 1992
LOWEST DAILY MEAN	45	May 24	8.1	Oct 11 1991
ANNUAL SEVEN-DAY MINIMUM	48	May 21	26	Oct 9 1991
ANNUAL RUNOFF (AC-FT)	61250			
10 PERCENT EXCEEDS	105		118	
50 PERCENT EXCEEDS	81		81	
90 PERCENT EXCEEDS	55		52	

e Estimated

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

(National stream-quality accounting network station)

LOCATION.--Lat 25°48'29", long 80°15'49", in NE1/4 sec.29, T.53 S., R.41 E., Dade County, Hydrologic Unit 03090202, on right bank at downstream end of N.W. 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 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.--South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 28 complete water years of discharge (1960-85,1987-88).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.14 ft Sept. 8, 1965; from hurricane tide; minimum, -0.55 ft Apr. 26, 1970.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.44 ft Nov. 18; minimum, 0.34 ft Jan. 10.

CORRECTIONS.--The maximum gage height published for 1992 was in error; the correct value is 4.85 ft Aug. 24, 1992.

STATION NUMBER 02288600

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.61	2.66	2.61	2.60	2.65	2.99	2.58	2.65	1.82	2.70	2.65	2.68
2	2.64	2.68	2.54	2.56	2.65	2.90	2.64	2.64	2.64	2.66	2.69	2.59
3	2.62	2.73	2.77	2.61	2.68	2.85	2.65	2.62	2.70	2.74	2.74	2.58
4	2.57	2.55	2.64	2.56	2.67	2.88	2.67	2.61	2.72	2.81	2.81	2.62
5	2.51	2.55	2.64	2.59	2.62	2.87	2.66	2.59	2.68	2.81	2.84	2.63
6	2.57	2.73	2.64	2.60	2.61	2.83	2.76	2.57	2.73	2.78	2.80	2.67
7	2.62	2.58	2.68	2.65	2.62	2.80	2.75	2.56	2.42	2.66	2.84	2.66
8	2.61	2.72	2.64	2.59	2.60	2.77	2.75	2.55	2.75	2.66	2.80	2.74
9	2.68	2.76	2.66	2.17	2.61	2.76	2.64	2.54	2.78	2.73	2.81	2.71
10	2.65	2.62	2.69	1.47	2.59	2.72	2.81	2.51	2.75	2.71	2.78	2.67
11	2.61	2.63	2.66	1.55	2.58	2.73	2.79	2.49	2.75	2.70	2.73	2.67
12	2.57	2.60	2.69	1.57	2.60	2.68	2.78	2.53	2.75	2.74	2.69	2.64
13	2.74	2.57	2.67	1.56	2.59	3.05	2.78	2.56	2.76	2.70	2.67	2.72
14	2.64	2.59	2.69	1.55	2.74	3.02	2.76	2.54	2.75	2.60	2.62	2.71
15	2.66	2.61	2.69	2.03	2.69	2.90	2.72	2.51	2.67	2.61	2.67	2.67
16	2.62	2.63	2.66	2.60	2.74	2.18	1.96	2.48	2.66	2.61	2.67	2.65
17	2.62	2.63	2.69	2.59	2.81	1.54	2.56	2.45	2.71	2.68	2.69	2.63
18	2.61	2.41	2.71	2.29	2.90	1.57	2.81	2.43	2.82	2.68	2.70	2.69
19	2.62	2.16	2.72	2.11	2.89	1.60	2.82	2.46	2.83	2.70	2.68	2.70
20	2.65	2.42	2.77	2.07	2.83	1.63	2.78	2.50	2.80	2.67	2.73	2.70
21	2.66	2.25	2.71	1.98	2.90	1.66	2.80	2.48	2.77	2.61	2.71	2.70
22	2.66	2.07	2.73	1.88	2.89	1.60	2.80	2.46	2.77	2.61	2.73	2.68
23	2.67	1.71	2.68	2.29	3.07	1.61	2.75	2.40	2.80	2.59	2.79	2.65
24	2.66	1.56	2.72	2.73	3.00	1.54	2.74	2.38	2.72	2.60	2.80	2.68
25	2.69	1.45	2.68	2.09	2.92	1.50	2.71	2.36	2.67	2.59	2.67	2.70
26	2.66	1.53	2.71	2.04	2.95	1.52	2.71	2.36	2.68	2.68	2.58	2.63
27	2.64	1.99	2.69	2.59	3.04	1.48	2.74	2.34	2.65	2.68	2.56	2.63
28	2.66	2.58	2.74	2.60	3.02	1.49	2.68	2.36	2.60	2.59	2.58	2.70
29	2.63	2.60	2.71	2.59	---	1.79	2.66	2.44	2.68	2.67	2.61	2.69
30	2.64	2.62	2.74	2.62	---	2.36	2.66	2.09	2.74	2.66	2.63	2.71
31	2.65	---	2.75	2.63	---	2.48	---	1.55	---	2.64	2.63	---
TOTAL	81.64	72.19	83.32	70.36	77.46	70.30	80.92	76.01	80.57	82.87	83.90	80.10
MEAN	2.63	2.41	2.69	2.27	2.77	2.27	2.70	2.45	2.69	2.67	2.71	2.67
MAX	2.74	2.76	2.77	2.73	3.07	3.05	2.82	2.65	2.83	2.81	2.84	2.74
MIN	2.51	1.45	2.54	1.47	2.58	1.48	1.96	1.55	1.82	2.59	2.56	2.58

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	88	120	289	118	9.5	7.7	.00	e-279	117	---	128
2	271	77	100	275	114	12	4.5	.45	e80	152	---	329
3	317	33	191	72	101	20	3.7	1.0	86	78	---	295
4	336	354	257	235	90	15	8.7	1.1	120	25	---	229
5	309	352	260	261	165	10	45	3.8	29	34	---	225
6	247	221	258	233	225	7.2	---	2.6	39	57	42	176
7	205	312	216	220	216	13	4.4	1.2	40	132	15	169
8	210	239	220	249	196	13	2.1	1.6	.00	157	14	122
9	165	183	207	337	143	11	41	.89	.00	86	28	170
10	181	321	183	128	139	13	.41	1.9	.00	---	86	205
11	212	225	176	63	143	13	.17	.40	.00	---	127	198
12	182	123	174	24	135	19	1.9	.96	.00	---	178	199
13	120	192	168	155	107	25	1.3	2.4	.08	---	207	122
14	162	282	142	221	28	19	2.9	-.58	12	---	258	263
15	151	294	154	114	45	12	5.6	-1.3	120	---	200	371
16	218	252	154	191	17	e300	121	2.1	140	---	190	291
17	224	277	132	69	16	e350	38	3.7	98	---	165	362
18	207	217	104	80	22	e350	23	.99	9.7	---	157	276
19	181	10	93	75	18	345	5.6	2.6	5.5	---	154	231
20	139	2.3	93	55	15	349	4.0	2.0	6.7	---	105	197
21	136	.54	129	44	16	354	3.9	.23	13	---	94	170
22	135	.00	124	62	18	320	10	.40	12	---	125	159
23	142	3.2	126	38	16	291	.74	-.24	8.0	---	60	160
24	135	2.9	110	49	15	281	1.2	.15	129	---	61	128
25	92	3.8	165	216	14	209	.16	1.3	111	---	204	105
26	139	1.1	131	84	16	169	.49	.79	138	---	305	141
27	142	.92	152	170	17	230	-.09	1.2	154	---	322	163
28	105	2.4	121	147	8.0	229	-.01	1.7	128	---	255	131
29	116	15	131	125	---	99	.49	-1.9	143	---	225	144
30	119	23	99	139	---	8.0	.82	23	99	---	197	106
31	103	---	113	134	---	10	---	e-226	---	---	201	---
TOTAL	5664	4107.16	4803	4554	2173.0	4105.7	---	-171.56	1441.98	---	---	5965
MEAN	183	137	155	147	77.6	132	---	-5.53	48.1	---	---	199
MAX	336	354	260	337	225	354	---	23	154	---	---	371
MIN	92	.00	93	24	8.0	7.2	---	-226	-279	---	---	105
AC-FT	11230	8150	9530	9030	4310	8140	---	-340	2860	---	---	11830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1993, BY WATER YEAR (WY)

MEAN	360	280	213	193	184	148	125	134	268	274	294	370
MAX	1272	1071	1041	939	791	729	662	682	813	791	848	1146
(WY)	1961	1961	1960	1961	1961	1960	1960	1960	1968	1959	1960	1960
MIN	34.5	6.94	.000	.000	.000	-1.61	.000	-5.53	.33	4.08	2.32	76.6
(WY)	1981	1989	1982	1981	1982	1962	1974	1993	1980	1981	1987	1987

SUMMARY STATISTICS	WATER YEARS 1959 - 1993	
ANNUAL MEAN	251	
HIGHEST ANNUAL MEAN	843	1960
LOWEST ANNUAL MEAN	31.2	1987
HIGHEST DAILY MEAN	1570	Sep 12 1960
LOWEST DAILY MEAN	-279	Jun 1 1993
ANNUAL SEVEN-DAY MINIMUM	-69	May 26 1993
ANNUAL RUNOFF (AC-FT)	182000	
10 PERCENT EXCEEDS	586	
50 PERCENT EXCEEDS	172	
90 PERCENT EXCEEDS	.00	

e Estimated

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

PERIOD OF RECORD.--October 1938 to current year

REMARKS.--Samples collected periodacally since 1939 for specific conductance and chlorides. Sites 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 1992 TO SEPTEMBER 1993

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)
OCT												
16...	1300	--	--	26.5	763	--	80020	1.3	--	1.7	7.7	7.7
DEC												
01...	1145	--	--	21.0	765	--	80020	0.60	716	2.5	7.6	7.7
FEB												
10...	1155	--	--	20.5	762	--	80020	8.7	644	1.2	7.3	7.6
JUL												
13...	1130	--	--	27.0	765	--	80020	0.40	--	1.2	7.4	7.7
SEP												
08...	1235	0.50	34.0	28.5	--	1028	1028	--	700	1.4	7.1	--
08...	1237	2.00	34.0	28.5	--	1028	1028	--	699	1.2	7.1	--
08...	1239	4.00	34.0	28.5	--	1028	1028	--	699	1.2	7.2	--
08...	1240	6.00	34.0	28.5	--	1028	1028	--	699	1.1	7.2	--
08...	1248	0.50	68.0	28.5	--	1028	1028	--	700	1.5	7.2	--
08...	1250	2.00	68.0	28.5	--	1028	1028	--	700	1.4	7.2	--
08...	1252	4.00	68.0	28.5	--	1028	1028	--	700	1.3	7.2	--
08...	1254	6.00	68.0	28.5	--	1028	1028	--	700	1.2	7.3	--
08...	1256	8.00	68.0	28.5	--	1028	1028	--	700	1.2	7.3	--
08...	1305	0.50	102	28.5	--	1028	1028	--	701	1.1	7.3	--
08...	1307	2.00	102	28.5	--	1028	1028	--	700	1.0	7.4	--
08...	1309	4.00	102	28.5	--	1028	1028	--	700	0.9	7.4	--
08...	1311	6.00	102	28.5	--	1028	1028	--	698	0.8	7.4	--
08...	1320	--	--	28.5	762	--	80020	0.60	700	1.4	7.1	7.7

DATE	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT												
16...	227	0	276	0.480	0.470	0.020	0.020	2.0	0.180	0.190	0.030	0.020
DEC												
01...	224	0	276	0.480	0.480	0.090	0.080	1.6	0.290	0.270	<0.010	<0.010
FEB												
10...	231	0	284	0.700	--	0.060	--	1.9	--	0.280	0.010	<0.010
JUL												
13...	195	0	244	1.20	--	0.030	--	2.4	--	0.190	<0.010	<0.010
SEP												
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	240	0	292	0.960	--	0.010	--	1.9	--	0.120	0.020	0.020

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	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)	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)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)
OCT											
16...	0.020	75	12	56	3.6	89	11	0.30	9.8	31	<3
DEC											
01...	<0.010	74	10	52	3.3	83	11	0.30	8.4	28	<3
FEB											
10...	<0.010	80	10	51	3.8	86	9.5	0.20	8.0	30	<3
JUL											
13...	<0.010	83	11	51	4.3	75	11	0.30	8.9	31	<3
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	<0.010	80	10	53	4.0	75	7.0	0.30	8.9	29	<3

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	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)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
16...	110	7	<10	2	<1.0	930	<6	10	5	<1	K110
DEC											
01...	200	6	<10	<1	<1.0	840	<6	10	<4	<1	K110
FEB											
10...	180	17	<10	<1	<1.0	880	<6	10	<4	<1	K220
JUL											
13...	120	9	10	<1	<1.0	870	<6	<10	<4	<1	260
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	150	8	<10	<1	<1.0	830	<6	<10	<4	<1	K130

02288600 MIAMI CANAL AT N.W. 36TH STREET, MIAMI, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	SAMPLE PURPOSE CODE (71999)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAM-PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT											
16...	K38	226	444	67	<0.010	20.0	6	40	3060	729	229
DEC											
01...	190	226	426	91	<0.010	20.0	33	40	3060	695	225
FEB											
10...	K180	233	425	93	--	20.0	46	40	3060	708	231
JUL											
13...	K130	200	416	100	--	20.0	1	40	3060	695	220
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	K130	239	396	50	--	20.0	4	40	3060	693	225

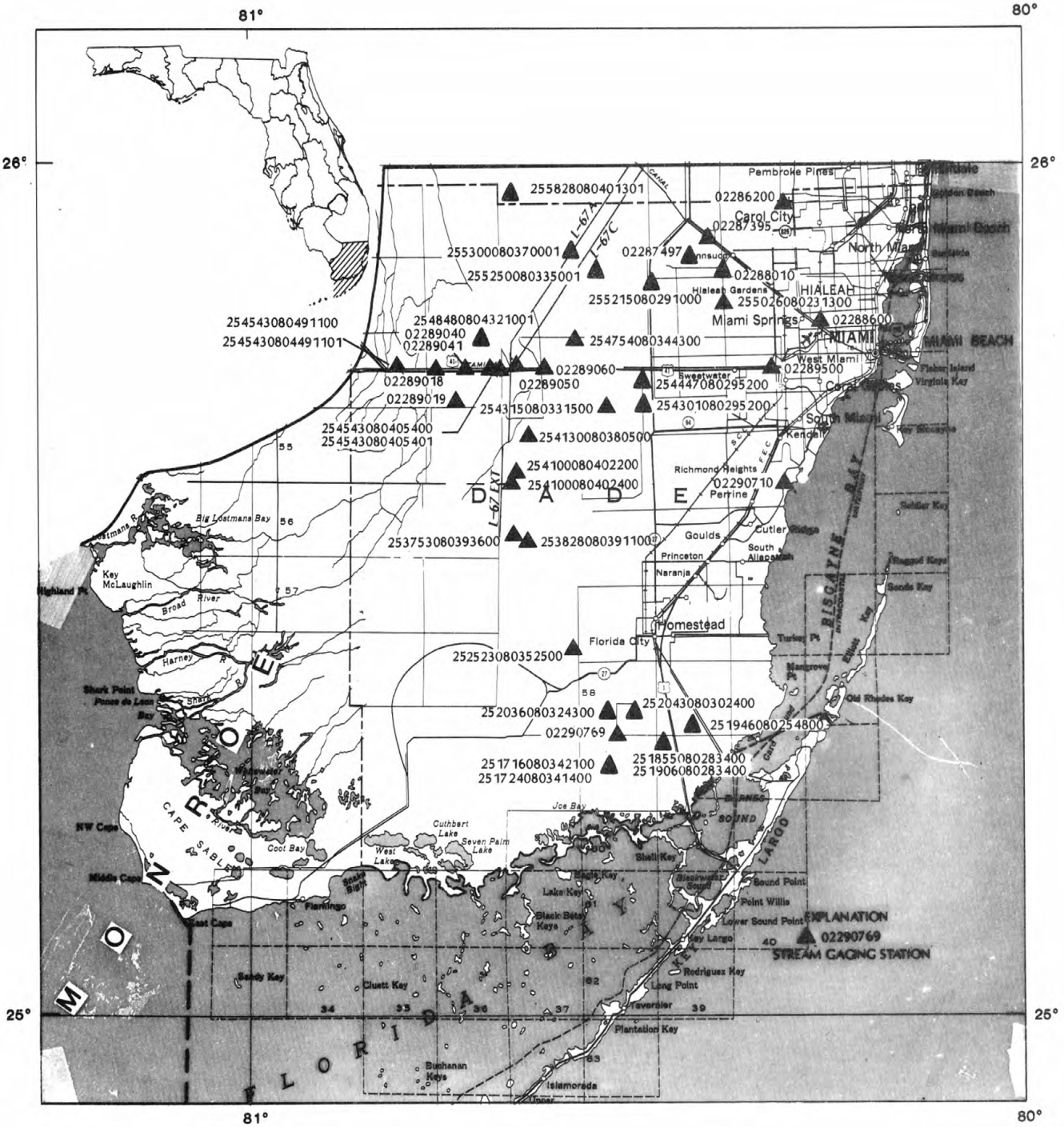


FIGURE 7. Location of gaging stations in the portion of the Everglades and southeastern coastal area south of latitude 26 degrees; Florida Bay and the Florida Keys.

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

LOCATION.--Lat 25°53'10", long 81°15'30", in NW1/4 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.--No estimated daily stage or discharge. Records fair. 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.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 33 complete water years of discharge (1960-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.90 ft present datum Sept. 14, 1960; minimum observed, -0.43 ft present datum May 30, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.57 ft Sept. 9; minimum, 1.90 ft May 28.

STATION NUMBER 02288800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.49	3.66	3.80	2.89	4.10	3.66	3.97	3.63	4.01	3.91	4.40	4.30
2	4.47	3.62	3.79	2.88	4.08	3.62	3.98	3.59	3.96	3.85	4.42	4.40
3	4.47	3.58	3.78	2.87	4.06	3.59	3.96	3.56	3.88	3.83	4.38	4.44
4	4.45	3.54	3.76	2.87	4.03	3.57	3.93	3.53	3.79	3.78	4.33	4.43
5	4.43	3.50	3.74	2.85	4.01	3.55	3.97	3.49	3.74	3.73	4.27	4.44
6	4.39	3.47	3.71	2.83	3.98	3.52	3.97	3.45	3.83	3.70	4.21	4.49
7	4.36	3.48	3.69	2.88	3.97	3.49	3.93	3.42	3.82	3.68	4.16	4.53
8	4.33	3.47	3.66	2.93	3.95	3.46	3.87	3.42	3.75	3.74	4.11	4.55
9	4.30	3.47	3.64	3.39	3.92	3.43	3.84	3.40	3.66	3.81	4.06	4.57
10	4.27	3.50	3.61	3.77	3.89	3.40	3.83	3.37	3.58	3.81	4.03	4.54
11	4.25	3.53	3.58	3.98	3.86	3.38	3.79	3.31	3.51	3.76	4.07	4.48
12	4.23	3.53	3.55	4.05	3.84	3.34	3.74	3.25	3.45	3.71	4.09	4.44
13	4.20	3.53	3.52	4.08	3.82	3.41	3.70	3.21	3.41	3.65	4.09	4.36
14	4.17	3.51	3.49	4.10	3.78	3.44	3.65	3.19	3.63	3.62	4.06	4.28
15	4.14	3.49	3.46	4.11	3.75	3.44	3.63	3.13	3.79	3.66	4.01	4.26
16	4.12	3.46	3.44	4.25	3.72	3.42	3.79	3.06	3.87	3.83	3.97	4.23
17	4.10	3.44	3.42	4.37	3.69	3.42	3.85	2.96	3.97	4.07	3.95	4.17
18	4.08	3.42	3.40	4.38	3.67	3.46	3.85	2.87	4.02	4.03	3.93	4.11
19	4.06	3.40	3.37	4.36	3.63	3.47	3.84	2.80	4.12	3.96	3.90	4.07
20	4.02	3.38	3.34	4.34	3.60	3.47	3.82	2.72	4.21	3.90	3.87	4.04
21	3.99	3.38	3.31	4.30	3.57	3.47	3.81	2.61	4.25	3.88	3.85	4.00
22	3.95	3.38	3.27	4.26	3.54	3.48	3.81	2.50	4.30	3.90	3.83	4.00
23	3.92	3.44	3.23	4.23	3.64	3.49	3.80	2.39	4.43	3.94	3.84	3.99
24	3.90	3.49	3.19	4.19	3.72	3.50	3.78	2.30	4.40	4.07	3.93	3.96
25	3.86	3.55	3.15	4.16	3.71	3.55	3.76	2.19	4.35	4.08	4.01	3.93
26	3.83	3.59	3.11	4.24	3.69	3.60	3.74	2.09	4.27	4.07	4.12	3.90
27	3.80	3.64	3.08	4.24	3.71	3.62	3.72	1.99	4.20	4.05	4.19	3.92
28	3.80	3.70	3.04	4.21	3.69	3.64	3.72	2.04	4.12	4.02	4.16	4.01
29	3.78	3.75	3.00	4.18	---	3.71	3.70	2.46	4.05	4.02	4.15	4.33
30	3.75	3.78	2.96	4.15	---	3.84	3.67	3.39	3.98	4.09	4.22	4.45
31	3.71	---	2.92	4.12	---	3.93	---	3.92	---	4.27	4.28	---
TOTAL	127.62	105.68	106.01	118.46	106.62	109.37	114.42	93.24	118.35	120.42	126.89	127.62
MEAN	4.12	3.52	3.42	3.82	3.81	3.53	3.81	3.01	3.94	3.88	4.09	4.25
MAX	4.49	3.78	3.80	4.38	4.10	3.93	3.98	3.92	4.43	4.27	4.42	4.57
MIN	3.71	3.38	2.92	2.83	3.54	3.34	3.63	1.99	3.41	3.62	3.83	3.90

02288800 TAMIAMI CANAL OUTLETS, MONROE TO CARNESTOWN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

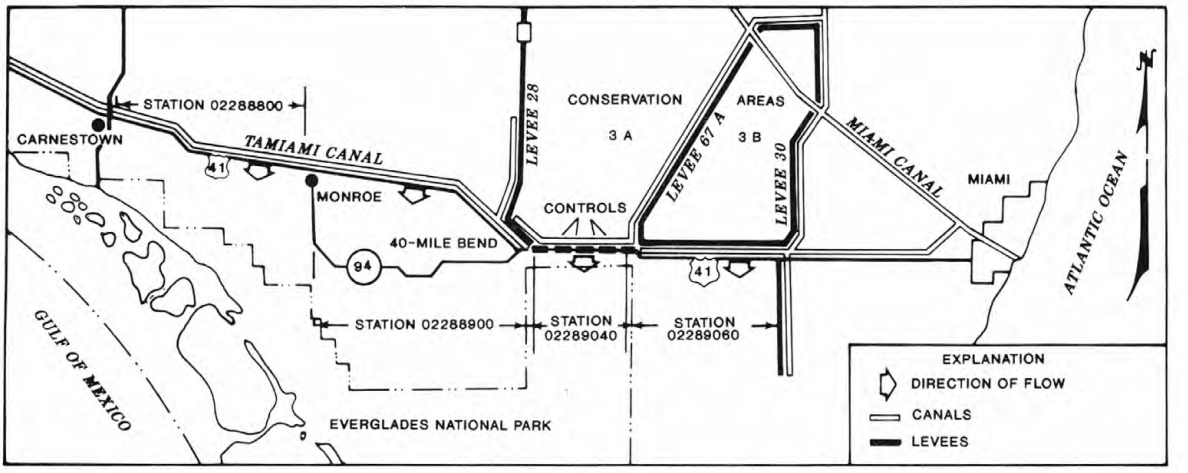
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	86	108	.00	493	141	269	106	947	449	1130	1380
2	1070	66	100	.00	465	118	272	83	842	399	1160	1620
3	1070	48	92	.00	434	99	253	65	697	380	1090	1740
4	1030	36	81	.56	399	87	225	53	557	338	983	1680
5	995	25	70	.87	382	74	401	48	483	301	878	1690
6	923	19	54	.00	355	60	416	41	604	277	795	1820
7	857	22	45	.00	334	48	369	36	565	271	712	1900
8	803	23	36	.00	312	37	301	44	462	356	640	1950
9	747	25	27	127	289	27	267	47	356	455	577	1970
10	703	36	20	429	263	21	255	42	266	470	544	1870
11	664	47	14	661	235	15	216	31	198	433	619	1690
12	640	51	7.9	696	218	8.4	175	21	153	383	661	1560
13	597	51	3.8	663	195	38	141	16	124	328	667	1320
14	555	49	2.0	605	173	54	112	16	303	297	624	1130
15	511	41	.37	579	149	51	97	10	473	337	562	1060
16	480	34	.00	834	129	44	227	4.0	578	549	515	996
17	461	23	.00	1060	111	45	285	.20	755	920	500	882
18	439	16	.10	1060	96	61	282	.00	850	826	478	770
19	408	9.8	.30	1030	77	60	269	.00	1050	677	439	694
20	368	5.7	.20	977	60	52	258	.00	1250	548	405	639
21	338	4.5	.30	886	47	47	248	.00	1350	502	380	581
22	300	3.8	.44	811	39	43	244	.00	1470	504	351	584
23	265	8.5	.00	744	87	39	231	.00	1720	546	372	563
24	240	17	.00	674	140	39	217	.00	1480	733	509	530
25	218	29	.00	608	147	52	202	.00	1270	727	669	476
26	188	38	.00	744	142	65	185	.00	1090	676	912	433
27	162	53	.00	758	163	65	169	.00	931	616	1120	470
28	166	73	.00	686	157	69	167	.00	790	544	1070	609
29	160	94	.00	624	---	99	152	.00	661	521	1040	1160
30	135	107	.00	575	---	177	130	204	546	611	1210	1330
31	108	---	.00	537	---	244	---	790	---	902	1330	---
TOTAL	16711	1141.3	662.41	16369.43	6091	2079.4	7035	1657.20	22821	15876	22942	35097
MEAN	539	38.0	21.4	528	218	67.1	234	53.5	761	512	740	1170
MAX	1110	107	108	1060	493	244	416	790	1720	920	1330	1970
MIN	108	3.8	.00	.00	39	8.4	97	.00	124	271	351	433
AC-FT	33150	2260	1310	32470	12080	4120	13950	3290	45270	31490	45510	69610

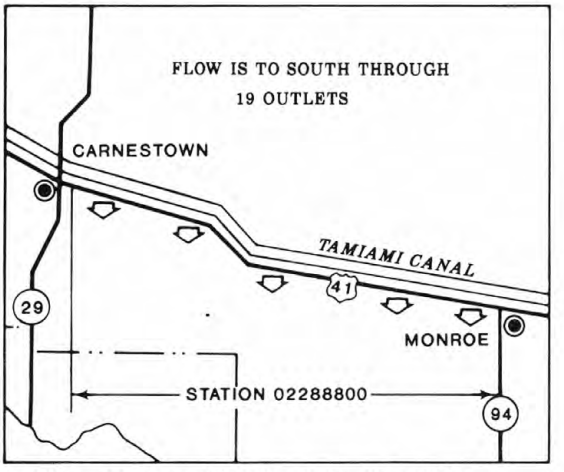
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	675	140	34.1	271	114	55.1	120	32.6	735	964	907	1419
MAX	810	242	46.9	528	218	67.1	234	53.5	761	1415	1074	1668
(WY)	1992	1992	1992	1993	1993	1993	1993	1993	1993	1992	1992	1992
MIN	539	38.0	21.4	13.0	13.6	43.0	4.75	11.7	709	512	740	1170
(WY)	1993	1993	1993	1992	1992	1992	1992	1992	1992	1993	1993	1993

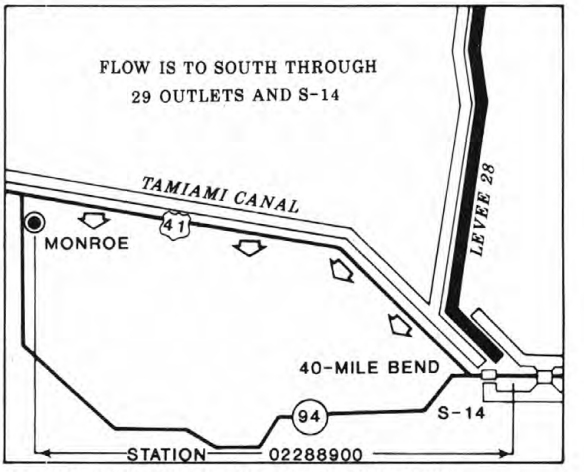
SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1992 - 1993	
ANNUAL TOTAL	169635.76		148482.74			
ANNUAL MEAN	463		407		456	
HIGHEST ANNUAL MEAN					505	1992
LOWEST ANNUAL MEAN					407	1993
HIGHEST DAILY MEAN	3290	Jun 30	1970	Sep 9	3290	Jun 30 1992
LOWEST DAILY MEAN	.00	Jan 4	.00	Dec 16	.00	Jan 4 1992
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 4	.00	Dec 23	.00	Jan 4 1992
ANNUAL RUNOFF (AC-FT)	336500		294500		330400	
10 PERCENT EXCEEDS	1680		1050		1290	
50 PERCENT EXCEEDS	39		266		197	
90 PERCENT EXCEEDS	.00		.51		.00	

TAMIAMI CANAL OUTLETS

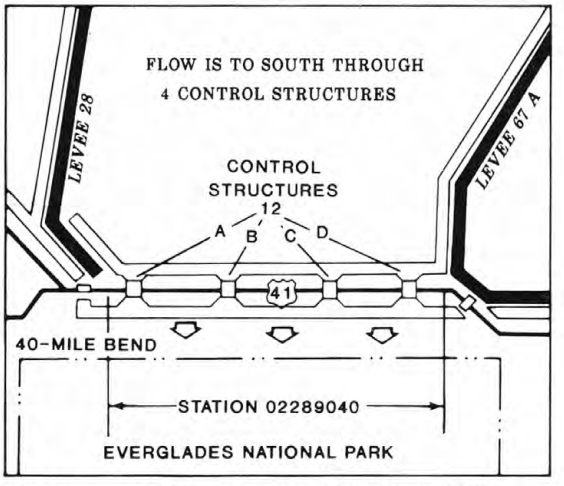




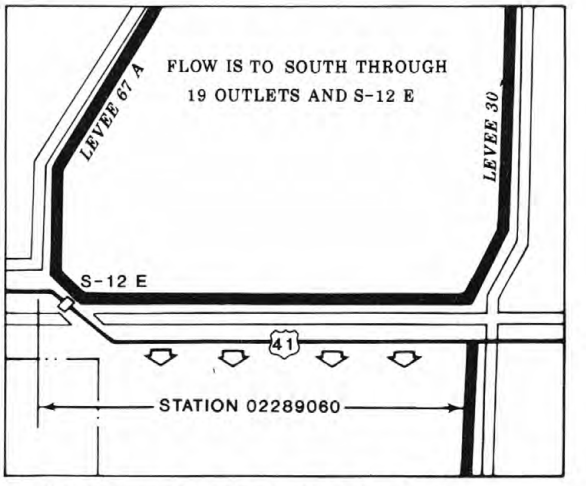
STATION 02288800 MONROE TO CARNESTOWN



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 8. Tamiami Canal Outlets.

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 SW1/4 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, non-recording gage and Feb. 20, 1952, to May 28, 1952, water-stage recorder, at same site at datum 0.37 ft higher.

REMARKS.--Records fair except those below 20 ft^3/s and estimated discharges, 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).

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 52 complete water years of discharge (1941-88, 1990-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height,10.01 ft Oct. 20,1947 (present datum); minimum, 2.65 ft May 26,1974.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 8.75 ft June 15-17, Sept. 11; minimum, 7.40 ft May 28.

STATION NUMBER 02288900
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.59	8.17	8.34	8.04	8.27	8.03	8.03	8.05	8.53	8.30	8.29	8.45
2	8.58	8.16	8.33	8.03	8.26	8.02	8.00	8.07	8.53	8.36	8.28	8.46
3	8.57	8.15	8.33	8.02	8.24	8.00	7.96	8.09	8.53	8.44	8.26	8.47
4	8.56	8.17	8.32	8.02	8.23	7.99	7.93	8.10	8.57	8.43	8.23	8.47
5	8.55	8.17	8.31	8.00	8.22	7.97	7.98	8.09	8.60	8.41	8.21	8.47
6	8.53	8.16	8.31	8.00	8.21	7.95	7.97	8.09	8.63	8.39	8.18	8.49
7	8.51	8.17	8.30	7.99	8.21	7.93	7.94	8.08	8.61	8.37	8.15	8.51
8	8.49	8.16	8.30	7.98	8.20	7.92	7.91	8.07	8.58	8.34	8.13	8.54
9	8.48	8.16	8.29	8.10	8.19	7.90	7.94	8.07	8.55	8.32	8.12	8.55
10	8.46	8.19	8.28	8.15	8.18	7.87	7.94	8.04	8.52	8.29	8.11	8.55
11	8.44	8.20	8.27	8.16	8.17	7.85	7.91	8.02	8.49	8.35	8.12	8.58
12	8.43	8.21	8.25	8.16	8.18	7.85	7.88	8.00	8.46	8.41	8.20	8.69
13	8.41	8.21	8.24	8.16	8.18	7.92	7.84	7.98	8.45	8.38	8.23	8.65
14	8.39	8.21	8.23	8.15	8.16	7.94	7.82	7.95	8.65	8.47	8.25	8.62
15	8.37	8.20	8.22	8.15	8.15	7.92	7.79	7.92	8.71	8.56	8.24	8.61
16	8.35	8.18	8.21	8.20	8.13	7.91	8.07	7.87	8.74	8.53	8.24	8.58
17	8.34	8.17	8.20	8.22	8.12	7.91	8.12	7.83	8.73	8.49	8.34	8.56
18	8.33	8.17	8.19	8.22	8.11	7.94	8.12	7.81	8.69	8.46	8.38	8.53
19	8.31	8.16	8.18	8.22	8.09	7.95	8.12	7.87	8.64	8.45	8.38	8.51
20	8.29	8.15	8.16	8.22	8.08	7.96	8.11	7.83	8.60	8.44	8.36	8.48
21	8.28	8.30	8.15	8.21	8.07	7.99	8.09	7.78	8.56	8.43	8.35	8.46
22	8.26	8.36	8.14	8.21	8.05	8.10	8.08	7.72	8.52	8.40	8.35	8.46
23	8.25	8.37	8.13	8.20	8.08	8.10	8.06	7.66	8.49	8.37	8.35	8.44
24	8.24	8.38	8.12	8.19	8.08	8.10	8.03	7.61	8.46	8.37	8.38	8.42
25	8.23	8.37	8.11	8.19	8.07	8.11	8.01	7.56	8.43	8.34	8.40	8.43
26	8.22	8.36	8.10	8.29	8.05	8.12	7.99	7.50	8.42	8.31	8.42	8.48
27	8.21	8.36	8.09	8.31	8.06	8.12	7.98	7.45	8.39	8.31	8.43	8.47
28	8.21	8.36	8.07	8.30	8.05	8.11	8.01	7.46	8.37	8.29	8.44	8.46
29	8.20	8.36	8.06	8.30	---	8.09	8.02	7.70	8.34	8.29	8.48	8.55
30	8.19	8.35	8.05	8.29	---	8.07	8.03	8.15	8.31	8.28	8.50	8.59
31	8.18	---	8.04	8.28	---	8.05	---	8.40	---	8.30	8.47	---
TOTAL	259.45	247.09	254.32	252.96	228.09	247.69	239.68	244.82	256.10	259.88	257.27	255.53
MEAN	8.37	8.24	8.20	8.16	8.15	7.99	7.99	7.90	8.54	8.38	8.30	8.52
MAX	8.59	8.38	8.34	8.31	8.27	8.12	8.12	8.40	8.74	8.56	8.50	8.69
MIN	8.18	8.15	8.04	7.98	8.05	7.85	7.79	7.45	8.31	8.28	8.11	8.42

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1470	832	1100	150	272	84	105	304	1510	338	363	667
2	1450	815	1080	147	266	80	111	319	1510	385	362	678
3	1470	798	997	143	262	77	113	328	1510	433	340	702
4	1460	835	913	138	256	74	119	335	1630	421	318	695
5	1450	830	835	134	255	70	155	340	1740	402	294	695
6	1410	814	762	131	252	67	168	347	1810	384	274	718
7	1370	812	696	127	255	63	177	347	1750	369	250	756
8	1340	803	640	124	251	59	184	350	1660	348	233	798
9	1320	803	577	244	247	56	226	363	1570	329	225	819
10	1290	849	524	352	245	52	253	352	1480	311	215	815
11	1260	870	470	362	241	49	266	341	1410	329	220	856
12	1260	884	420	362	254	48	276	334	1330	326	265	957
13	1230	874	375	360	254	86	283	330	1320	302	279	885
14	1200	865	335	354	249	95	297	321	1580	357	285	838
15	1160	848	300	352	243	91	275	304	1290	427	276	813
16	1130	827	270	345	237	87	331	282	1060	405	277	777
17	1100	806	260	347	218	87	353	259	1010	385	340	742
18	1080	800	248	346	200	96	354	247	920	366	377	699
19	1060	784	241	346	181	98	352	284	824	370	381	661
20	1030	776	232	344	165	100	343	262	749	372	378	627
21	992	1050	222	338	150	106	333	230	679	374	383	597
22	969	1160	215	336	137	125	321	198	617	359	391	595
23	944	1200	207	331	137	125	305	173	569	344	407	574
24	929	1200	199	326	129	125	290	153	523	347	454	549
25	929	1180	193	326	118	128	276	131	494	338	481	570
26	906	1160	186	307	107	132	264	113	471	325	524	667
27	888	1140	179	304	102	131	256	98	439	331	545	657
28	880	1140	173	296	92	127	276	104	412	323	582	650
29	866	1140	166	292	---	121	280	209	378	332	650	804
30	846	1120	158	286	---	114	290	662	349	335	689	925
31	843	---	154	280	---	109	---	1130	---	357	676	---
TOTAL	35532	28015	13327	8630	5775	2862	7632	9550	32594	11124	11734	21786
MEAN	1146	934	430	278	206	92.3	254	308	1086	359	379	726
MAX	1470	1200	1100	362	272	132	354	1130	1810	433	689	957
MIN	843	776	154	124	92	48	105	98	349	302	215	549
AC-FT	70480	55570	26430	17120	11450	5680	15140	18940	64650	22060	23270	43210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	965	679	315	162	130	57.3	139	159	664	770	849	1106
MAX	1146	934	430	278	206	92.3	254	308	1086	1181	1319	1485
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1992	1992	1992
MIN	785	424	201	44.7	55.6	22.2	23.5	9.25	242	359	379	726
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1993	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1992 - 1993	
ANNUAL TOTAL	210851.63		188561			
ANNUAL MEAN	576		517		500	
HIGHEST ANNUAL MEAN					517	1993
LOWEST ANNUAL MEAN					484	1992
HIGHEST DAILY MEAN	1970	Aug 25	1810	Jun 6	1970	Aug 25 1992
LOWEST DAILY MEAN	.00	May 26	48	Mar 12	.00	May 26 1992
ANNUAL SEVEN-DAY MINIMUM	.01	May 25	56	Mar 6	.01	May 25 1992
ANNUAL RUNOFF (AC-FT)	418200		374000		362500	
10 PERCENT EXCEEDS	1430		1140		1320	
50 PERCENT EXCEEDS	239		347		326	
90 PERCENT EXCEEDS	8.9		125		24	

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

WATER-QUALITY RECORDS

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

REMARKS.--Samples collected periodically for QW investigations beginning in 1969. Samples collected also as part of joint USGS-SFWMD network since 1975. Station became part of National 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 1992 TO SEPTEMBER 1993

DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	TUR-BID-ITY (NTU) (00076)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)
OCT												
16...	0950	--	--	26.0	763	--	80020	0.60	--	2.8	7.4	7.8
DEC												
01...	0900	--	--	16.0	765	--	80020	0.80	310	6.2	7.1	7.6
FEB												
10...	1000	--	--	17.0	762	--	80020	0.60	429	2.8	7.2	7.8
JUL												
13...	0930	--	--	28.0	765	--	80020	0.30	--	1.8	7.3	7.6
SEP												
08...	0900	0.50	12.0	28.5	--	1028	1028	--	224	2.2	7.0	--
08...	0902	2.00	12.0	28.5	--	1028	1028	--	224	2.0	7.0	--
08...	0904	3.00	12.0	28.5	--	1028	1028	--	224	2.0	7.0	--
08...	0906	0.50	24.0	29.0	--	1028	1028	--	212	2.4	7.1	--
08...	0908	2.00	24.0	29.0	--	1028	1028	--	215	2.3	7.1	--
08...	0910	4.00	24.0	29.0	--	1028	1028	--	218	2.3	7.1	--
08...	0912	0.50	36.0	29.0	--	1028	1028	--	205	2.4	7.1	--
08...	0914	2.00	36.0	29.0	--	1028	1028	--	205	2.3	7.2	--
08...	0918	3.00	36.0	29.0	--	1028	1028	--	205	2.2	7.2	--
08...	0930	--	--	28.5	762	--	80020	0.40	224	2.2	7.0	7.7

DATE	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT												
16...	111	0	136	0.050	0.060	<0.010	<0.010	1.1	<0.050	<0.050	0.020	<0.010
DEC												
01...	127	0	156	0.040	0.040	<0.010	<0.010	1.1	0.053	<0.050	0.020	<0.010
FEB												
10...	153	0	192	0.030	--	<0.010	--	0.80	--	<0.050	<0.010	<0.010
JUL												
13...	114	0	144	0.060	--	0.020	--	0.90	--	0.070	0.020	<0.010
SEP												
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	113	0	140	0.060	--	<0.010	--	0.80	--	<0.050	0.020	0.020

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	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)	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)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)
OCT											
16...	<0.010	44	1.9	8.7	0.60	14	0.40	0.10	3.4	8	<3
DEC											
01...	<0.010	49	2.3	12	0.70	20	0.50	0.10	3.4	9	<3
FEB											
10...	<0.010	58	2.6	14	0.60	26	<0.10	<0.10	0.68	11	<3
JUL											
13...	<0.010	47	2.1	11	0.30	16	0.30	0.10	5.1	8	<3
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	<0.010	42	1.8	9.5	0.70	11	0.20	0.10	3.2	8	<3

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	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)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT											
16...	15	3	<10	1	<1.0	150	<6	10	<4	<1	K6
DEC											
01...	110	2	<10	<1	<1.0	170	<6	20	<4	<1	K56
FEB											
10...	14	1	<10	<1	<1.0	230	<6	20	<4	<1	K31
JUL											
13...	18	9	<10	<1	<1.0	190	<6	<10	<4	<1	K75
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	22	4	<10	2	<1.0	160	<6	<10	<4	<1	K50

02288900 TAMIAMI CANAL OUTLETS, 40-MILE BEND TO MONROE, FL

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	SAMPLE PURPOSE CODE (71999)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAM-PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT											
16...	K120	111	168	60	<0.010	20.0	5	40	3060	263	119
DEC											
01...	K12	128	192	89	<0.010	20.0	9	40	3060	312	129
FEB											
10...	K19	157	211	86	--	20.0	7	40	3060	363	154
JUL											
13...	K81	118	165	100	--	20.0	2	40	3060	270	113
SEP											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
08...	K200	115	142	100	--	20.0	1	40	3060	251	108

254754080344300 SHARK RIVER SLOUGH NO. 1 IN CONSERVATION AREA 3B NEAR COOPERTOWN, FL

LOCATION.--Lat 25°47'54", long 80°33'43", in SW1/4 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.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1992 digital water-stage recorder.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.38 ft Sept. 29, 1978; minimum, 3.95 ft May 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.99 ft Nov. 20-21; minimum, 7.15 ft Aug. 8.

STATION NUMBER 254754080344300
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.86	7.70	---	7.75	7.78	7.81	---	---	7.73	7.50	7.33	---
2	7.89	7.69	---	7.78	7.77	7.80	---	---	7.70	7.51	7.22	---
3	7.93	7.69	---	7.78	7.76	7.79	---	---	7.67	7.50	7.19	---
4	7.93	7.78	---	7.80	7.75	7.79	---	---	7.65	7.48	7.18	---
5	7.91	7.83	---	7.79	7.74	7.77	---	---	7.65	7.46	7.16	---
6	7.90	7.83	---	7.79	7.74	7.75	---	7.53	7.64	7.45	7.16	---
7	7.90	7.83	---	7.78	7.76	7.75	---	7.51	7.63	7.44	7.15	---
8	7.89	7.83	---	7.77	7.75	7.74	---	7.50	7.62	7.44	---	---
9	7.88	7.84	---	7.87	7.73	7.73	---	7.48	7.60	7.43	---	---
10	7.87	7.90	---	7.92	---	7.73	---	7.46	7.58	7.43	---	---
11	7.86	7.94	---	7.92	---	7.71	---	7.44	7.56	7.47	---	---
12	7.85	7.94	---	7.90	---	7.71	---	7.43	7.54	7.48	---	---
13	7.84	7.94	---	7.89	---	7.79	---	7.43	7.52	7.52	---	---
14	7.83	7.93	---	7.88	---	7.78	---	7.41	7.50	7.53	---	---
15	7.82	7.92	---	7.88	---	7.77	---	7.39	7.51	7.51	---	---
16	7.81	7.91	---	7.90	---	7.77	---	7.37	7.54	7.48	---	---
17	7.80	7.90	---	7.89	7.81	7.80	---	7.36	7.53	7.46	---	---
18	7.80	7.92	7.81	7.88	7.80	7.91	---	7.35	7.52	7.43	---	---
19	7.81	7.91	7.81	7.86	7.78	7.91	---	7.36	7.51	7.41	---	---
20	7.80	7.94	7.80	7.85	7.77	7.94	---	7.34	7.51	7.40	---	---
21	7.79	---	7.80	7.84	7.77	7.96	---	7.32	7.49	7.39	---	---
22	7.78	---	7.79	7.82	7.77	7.95	---	7.29	7.49	7.39	---	---
23	7.77	---	7.78	7.81	7.82	7.95	---	7.28	7.48	7.39	---	---
24	7.76	---	7.77	7.80	7.82	7.95	---	7.26	7.50	7.37	---	---
25	7.76	---	7.77	7.80	7.82	---	---	7.24	7.50	7.36	---	---
26	7.75	---	7.76	7.84	7.82	---	---	7.23	7.51	7.34	---	---
27	7.74	---	7.76	7.83	7.83	---	---	7.21	7.51	7.32	---	---
28	7.73	---	---	7.81	7.82	---	---	7.32	7.50	7.32	---	---
29	7.72	---	---	7.81	---	---	---	7.51	7.49	7.32	---	---
30	7.72	---	---	7.80	---	---	---	7.52	7.49	7.33	---	---
31	7.71	---	---	7.79	---	---	---	7.65	---	7.34	---	---
TOTAL	242.41	---	---	242.83	---	---	---	---	226.67	230.20	---	---
MEAN	7.82	---	---	7.83	---	---	---	---	7.56	7.43	---	---
MAX	7.93	---	---	7.92	---	---	---	---	7.73	7.53	---	---
MIN	7.71	---	---	7.75	---	---	---	---	7.48	7.32	---	---

254543080491100 TAMIAMI CANAL ABOVE S-12-A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°49'11", T.54 S., R.35 E., Dade County, Hydrologic Unit 03090202, on north bank of Levee 29 borrow ditch, 200 ft northwest of structure 12A, near 40 Mile Bend on US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to current year (gage heights only).

GAGE.--Water-stage recorder and satellite data collection platform and digital 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-A. Records prior to October 1980 are fragmentary or missing from the files of the Geological Survey.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.42 ft Jan. 27, 1993; minimum, 5.17 ft June 18, 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.42 ft Jan. 27; minimum, 8.95 ft May 26, 27.

STATION NUMBER 254543080491100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.11	9.69	9.99	10.12	10.35	9.69	9.61	9.45	9.67	9.34	9.29	9.50
2	10.10	9.65	9.98	10.17	10.33	9.67	9.60	9.41	9.59	9.34	9.29	9.55
3	10.07	9.64	9.99	10.19	10.31	9.62	9.60	9.38	9.57	9.34	9.28	9.61
4	10.04	9.69	10.02	10.18	10.28	9.60	9.59	9.37	9.57	9.33	9.26	9.65
5	10.04	9.74	10.03	10.17	10.20	9.61	9.59	9.36	9.58	9.32	9.24	9.67
6	10.04	9.76	10.04	10.17	10.06	9.62	9.60	9.34	9.58	9.31	9.22	9.70
7	10.02	9.79	10.04	10.15	9.99	9.62	9.61	9.32	9.57	9.28	9.21	9.72
8	10.01	9.80	10.04	10.12	9.93	9.62	9.60	9.33	9.55	9.29	9.19	9.73
9	10.00	9.81	10.07	10.23	9.89	9.61	9.58	9.32	9.53	9.27	9.18	9.75
10	9.99	9.87	10.06	10.28	9.87	9.60	9.58	9.30	9.51	9.27	9.20	9.75
11	9.97	9.95	10.06	10.29	9.83	9.60	9.57	9.28	9.49	9.28	9.21	9.74
12	9.96	9.96	10.06	10.28	9.78	9.57	9.55	9.28	9.47	9.27	9.22	9.74
13	9.94	9.97	10.06	10.28	9.77	9.46	9.52	9.26	9.46	9.26	9.23	9.74
14	9.93	9.96	10.06	10.28	9.76	9.54	9.48	9.23	9.46	9.27	9.25	9.75
15	9.92	9.96	10.06	10.28	9.75	9.58	9.43	9.21	9.49	9.28	9.23	9.76
16	9.92	9.94	10.06	10.30	9.73	9.59	9.59	9.19	9.52	9.28	9.22	9.75
17	9.97	9.92	10.06	10.34	9.72	9.61	9.60	9.16	9.50	9.27	9.25	9.75
18	10.01	9.92	10.06	10.33	9.72	9.69	9.59	9.13	9.47	9.25	9.27	9.74
19	10.01	9.91	10.07	10.34	9.71	9.73	9.57	9.11	9.44	9.24	9.27	9.73
20	9.97	9.93	10.06	10.33	9.69	9.74	9.55	9.08	9.40	9.23	9.28	9.73
21	9.95	9.98	10.06	10.31	9.66	9.73	9.53	9.05	9.37	9.24	9.29	9.72
22	9.92	9.99	10.06	10.30	9.63	9.72	9.52	9.04	9.35	9.25	9.29	9.71
23	9.90	10.01	10.06	10.29	9.69	9.71	9.49	9.02	9.34	9.25	9.28	9.73
24	9.87	10.01	10.07	10.28	9.71	9.70	9.47	9.00	9.33	9.24	9.29	9.73
25	9.84	10.02	10.08	10.28	9.70	9.71	9.45	8.98	9.34	9.24	9.33	9.71
26	9.81	10.01	10.07	10.32	9.67	9.70	9.44	8.96	9.35	9.23	9.35	9.71
27	9.78	10.01	10.07	10.40	9.69	9.68	9.48	8.97	9.35	9.22	9.38	9.71
28	9.77	10.02	10.08	10.39	9.70	9.68	9.56	9.08	9.33	9.23	9.40	9.74
29	9.76	10.02	10.09	10.36	---	9.66	9.52	9.30	9.33	9.23	9.43	9.82
30	9.74	10.01	10.10	10.37	---	9.66	9.49	9.38	9.33	9.25	9.47	9.81
31	9.71	---	10.09	10.36	---	9.63	---	9.56	---	9.28	9.48	---
TOTAL	308.07	296.94	311.70	318.49	276.12	298.95	286.36	285.85	283.84	287.38	287.78	291.45
MEAN	9.94	9.90	10.05	10.27	9.86	9.64	9.55	9.22	9.46	9.27	9.28	9.71
MAX	10.11	10.02	10.10	10.40	10.35	9.74	9.61	9.56	9.67	9.34	9.48	9.82
MIN	9.71	9.64	9.98	10.12	9.63	9.46	9.43	8.96	9.33	9.22	9.18	9.50

254543080491101 TAMIAMI CANAL BELOW S-12-A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°49'11", T.54 S., R.35 E., Dade County, Hydrologic Unit 03090202, on northwest bank of Levee 29 Tamiami Canal, 50 feet south of structure S-12-A. Approximately 21.8 mi west of SR 997 (old SR 27) along US 41 near 40 mile bend. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1970 to September 1971, October 1975 to September 1976, October 1977 to September 1980 (discharge only), October 1980 to current year.

GAGE.--Water-stage recorder and satellite data collection platform and digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Satellite data collection platform installed April 1, 1990.

REMARKS.--Records good. 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-A. Discharge is the total discharge through the S-12-A structure, from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate-openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Stage and discharge records prior to 1980, were either fragmentary or unavailable from the files of the Geological Survey.

COOPERATION.--Gate-opening records for S-12-A provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 20 complete water years of discharge (1964-65, 1971,1976,1978-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.23 ft July 20-22, 1982; minimum, 5.21 ft June 19, 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.15 ft Feb. 5; minimum, 8.26 ft Aug. 27, 29-31.

STATION NUMBER 254543080491101
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.10	9.67	8.94	8.40	8.59	9.68	9.60	9.43	9.08	9.32	8.58	8.28
2	10.08	9.63	8.90	8.39	8.89	9.66	9.60	9.40	9.57	9.31	8.58	8.30
3	10.05	9.62	8.87	8.40	9.12	9.61	9.60	9.37	9.56	9.32	8.57	8.29
4	10.02	9.57	8.87	8.39	9.12	9.58	9.59	9.35	9.55	9.30	8.59	8.29
5	10.02	9.37	8.87	8.39	9.62	9.60	9.59	9.34	9.56	9.29	8.62	8.29
6	10.02	9.39	8.87	8.43	10.05	9.60	9.60	9.32	9.55	9.28	8.62	8.29
7	10.00	9.40	8.86	8.53	9.98	9.60	9.59	9.31	9.55	9.25	8.61	8.28
8	9.99	9.40	8.78	8.53	9.93	9.60	9.57	9.31	9.53	9.25	8.61	8.28
9	9.98	9.41	8.67	8.56	9.88	9.60	9.55	9.31	9.50	9.18	8.62	8.28
10	9.97	9.33	8.65	8.55	9.86	9.59	9.56	9.29	9.48	9.14	8.56	8.31
11	9.94	9.15	8.64	8.56	9.82	9.58	9.55	9.27	9.47	9.15	8.48	8.31
12	9.94	9.15	8.63	8.55	9.77	9.56	9.53	9.26	9.45	9.14	8.49	8.31
13	9.92	9.15	8.63	8.55	9.76	9.45	9.49	9.25	9.44	9.14	8.49	8.31
14	9.91	9.14	8.61	8.55	9.76	9.53	9.46	9.21	9.44	8.99	8.49	8.32
15	9.90	9.14	8.61	8.56	9.74	9.57	9.41	9.19	9.47	8.84	8.48	8.32
16	9.90	9.13	8.55	8.56	9.71	9.58	9.57	9.17	9.50	8.83	8.51	8.32
17	9.96	9.07	8.47	8.56	9.71	9.60	9.58	9.15	9.48	8.83	8.47	8.32
18	10.00	8.98	8.46	8.56	9.71	9.68	9.57	9.12	9.45	8.82	8.45	8.32
19	10.00	8.98	8.46	8.55	9.69	9.72	9.55	9.10	9.42	8.82	8.45	8.32
20	9.97	8.99	8.45	8.63	9.68	9.73	9.53	9.06	9.38	8.72	8.44	8.32
21	9.94	9.00	8.45	8.72	9.65	9.72	9.51	9.04	9.36	8.61	8.45	8.32
22	9.91	9.00	8.44	8.69	9.62	9.71	9.49	9.02	9.34	8.61	8.45	8.32
23	9.88	9.00	8.44	8.67	9.68	9.70	9.47	9.00	9.32	8.60	8.43	8.32
24	9.85	8.98	8.45	8.67	9.71	9.69	9.44	8.99	9.32	8.61	8.35	8.32
25	9.82	8.96	8.45	8.67	9.69	9.70	9.43	8.97	9.33	8.61	8.28	8.32
26	9.79	8.95	8.45	8.68	9.66	9.69	9.42	8.95	9.33	8.60	8.27	8.32
27	9.77	8.95	8.45	8.64	9.68	9.67	9.45	8.73	9.34	8.58	8.27	8.33
28	9.75	8.95	8.44	8.61	9.69	9.67	9.54	8.51	9.32	8.56	8.27	8.37
29	9.75	8.95	8.45	8.60	---	9.65	9.50	8.52	9.32	8.56	8.27	8.40
30	9.72	8.95	8.61	8.60	---	9.64	9.47	8.52	9.32	8.57	8.27	8.34
31	9.69	---	8.58	8.59	---	9.61	---	8.57	---	8.58	8.27	---
TOTAL	307.54	275.36	267.00	265.34	269.77	298.57	285.81	282.03	282.73	276.41	262.29	249.42
MEAN	9.92	9.18	8.61	8.56	9.63	9.63	9.53	9.10	9.42	8.92	8.46	8.31
MAX	10.10	9.67	8.94	8.72	10.05	9.73	9.60	9.43	9.57	9.32	8.62	8.40
MIN	9.69	8.95	8.44	8.39	8.59	9.45	9.41	8.51	9.08	8.56	8.27	8.28

254543080491101 TAMIAMI CANAL BELOW S-12-A, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	701	424	182	37	118	621	539	407	248	314	70	.00
2	687	409	166	38	293	612	536	396	486	312	70	.00
3	670	400	156	38	404	590	531	385	480	313	70	.00
4	649	385	158	38	437	582	523	380	476	308	85	.00
5	649	372	159	38	633	584	518	372	475	303	93	.00
6	642	381	160	62	815	585	515	364	470	300	92	.00
7	630	388	161	91	782	583	509	357	465	290	91	.00
8	622	393	123	89	756	581	497	357	456	383	90	.00
9	616	393	98	92	737	580	484	353	443	373	89	.00
10	609	339	98	93	720	573	482	343	433	319	56	.00
11	598	264	99	94	699	571	474	334	425	321	28	.00
12	593	267	99	94	672	559	462	330	414	313	28	.00
13	584	268	99	93	662	520	443	323	407	308	28	.00
14	575	269	100	93	659	547	425	308	406	226	28	.00
15	568	268	100	93	650	560	409	296	415	164	28	.00
16	568	266	76	94	633	562	466	288	421	166	28	.00
17	586	237	56	95	630	566	470	277	412	165	29	.00
18	596	201	56	95	630	595	465	269	399	164	13	.00
19	590	200	56	95	625	609	458	260	383	161	.00	.00
20	576	201	56	146	619	610	447	246	368	119	.00	.00
21	562	206	56	186	610	605	439	238	357	94	.00	.00
22	549	207	56	166	597	600	433	232	346	95	.00	.00
23	534	208	56	151	620	592	425	226	336	95	.00	.00
24	521	197	57	150	629	587	416	220	335	94	.00	.00
25	505	183	57	150	623	589	411	213	335	94	.00	.00
26	490	183	57	152	614	585	407	206	334	93	.00	.00
27	479	183	57	132	622	575	420	114	333	78	.00	.00
28	469	184	57	118	623	572	452	38	323	68	.00	.00
29	464	184	57	118	---	565	436	44	319	68	.00	.00
30	450	183	54	118	---	558	421	47	317	68	.00	.00
31	438	---	45	118	---	547	---	50	---	69	.00	---
TOTAL	17770	8243	2867	3167	17112	17965	13913	8273	11817	6238	1016.00	0.00
MEAN	573	275	92.5	102	611	580	464	267	394	201	32.8	.000
MAX	701	424	182	186	815	621	539	407	486	383	93	.00
MIN	438	183	45	37	118	520	407	38	248	68	.00	.00
AC-FT	35250	16350	5690	6280	33940	35630	27600	16410	23440	12370	2020	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	183	125	39.7	28.3	51.9	59.9	38.5	19.6	39.6	100	125	130
MAX	732	740	381	410	611	580	464	267	394	714	682	601
(WY)	1983	1983	1984	1984	1993	1993	1993	1993	1993	1982	1982	1992
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1964 - 1993	
ANNUAL TOTAL	64630.00		108381.00			
ANNUAL MEAN	177		297		92.8	
HIGHEST ANNUAL MEAN					297	1993
LOWEST ANNUAL MEAN					.000	1964
HIGHEST DAILY MEAN	715	Sep 25	815	Feb 6	843	Jul 21 1982
LOWEST DAILY MEAN	.00	Jan 1	.00	Aug 19	.00	Oct 1 1963
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Aug 19	.00	Oct 1 1963
ANNUAL RUNOFF (AC-FT)	128200		215000		67210	
10 PERCENT EXCEEDS	568		609		290	
50 PERCENT EXCEEDS	55		300		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

* One day or more during the period

02289018 TAMIAMI CANAL ABOVE S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'42", long 80°46'05", in 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, west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Satellite data collection platform with water-stage shaft encoder. 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. Since March 9, 1990, satellite data collection platform.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.55 ft Oct. 26, 1968; minimum, 5.14 ft June 18, 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.43 ft Jan. 27; minimum, 8.93 ft May 26, 27.

STATION NUMBER 02289018
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.14	9.69	9.99	10.11	10.34	9.70	9.62	9.45	9.67	9.33	9.26	9.49
2	10.12	9.66	9.98	10.15	10.32	9.68	9.62	9.41	9.59	9.33	9.26	9.53
3	10.10	9.63	9.98	10.16	10.29	9.62	9.62	9.38	9.58	9.32	9.25	9.59
4	10.07	9.67	9.99	10.15	10.26	9.60	9.61	9.37	9.58	9.31	9.23	9.63
5	10.08	9.71	10.00	10.14	10.20	9.62	9.61	9.35	9.59	9.30	9.20	9.65
6	10.07	9.73	10.02	10.15	10.09	9.63	9.61	9.34	9.59	9.29	9.19	9.68
7	10.06	9.76	10.02	10.13	10.02	9.62	9.61	9.33	9.58	9.26	9.17	9.69
8	10.04	9.78	10.02	10.10	9.96	9.63	9.59	9.34	9.56	9.26	9.15	9.70
9	10.03	9.79	10.04	10.20	9.91	9.62	9.57	9.32	9.53	9.25	9.14	9.72
10	10.02	9.84	10.04	10.27	9.88	9.61	9.58	9.31	9.50	9.24	9.16	9.72
11	10.00	9.92	10.04	10.27	9.84	9.60	9.57	9.28	9.49	9.24	9.18	9.71
12	9.99	9.94	10.04	10.26	9.79	9.57	9.56	9.27	9.47	9.24	9.19	9.71
13	9.97	9.95	10.04	10.26	9.78	9.50	9.52	9.26	9.46	9.23	9.19	9.71
14	9.96	9.96	10.04	10.26	9.77	9.57	9.49	9.23	9.46	9.23	9.21	9.72
15	9.94	9.96	10.03	10.28	9.76	9.60	9.43	9.20	9.48	9.25	9.20	9.72
16	9.93	9.95	10.03	10.29	9.72	9.59	9.60	9.18	9.50	9.25	9.19	9.72
17	9.99	9.91	10.03	10.34	9.72	9.62	9.63	9.15	9.47	9.23	9.22	9.71
18	10.04	9.91	10.04	10.33	9.72	9.70	9.61	9.12	9.44	9.22	9.25	9.71
19	10.03	9.90	10.04	10.33	9.72	9.75	9.59	9.10	9.40	9.20	9.25	9.70
20	9.99	9.91	10.03	10.32	9.69	9.76	9.57	9.07	9.36	9.20	9.26	9.69
21	9.96	9.96	10.03	10.28	9.66	9.75	9.54	9.05	9.34	9.21	9.27	9.68
22	9.94	9.97	10.03	10.28	9.63	9.73	9.53	9.02	9.33	9.21	9.27	9.67
23	9.92	9.99	10.04	10.28	9.69	9.71	9.51	9.00	9.31	9.21	9.26	9.68
24	9.89	9.99	10.05	10.25	9.72	9.71	9.47	8.98	9.32	9.21	9.26	9.69
25	9.86	10.00	10.05	10.26	9.70	9.71	9.45	8.96	9.32	9.21	9.31	9.68
26	9.83	10.00	10.05	10.31	9.68	9.71	9.44	8.95	9.32	9.19	9.34	9.67
27	9.80	10.00	10.04	10.41	9.70	9.69	9.47	8.95	9.32	9.19	9.37	9.67
28	9.79	10.03	10.06	10.38	9.71	9.69	9.57	9.09	9.31	9.20	9.39	9.69
29	9.78	10.03	10.07	10.35	---	9.68	9.53	9.30	9.31	9.20	9.42	9.77
30	9.75	10.01	10.08	10.35	---	9.66	9.49	9.37	9.32	9.22	9.46	9.77
31	9.72	---	10.07	10.35	---	9.63	---	9.54	---	9.25	9.47	---
TOTAL	308.81	296.55	311.01	318.00	276.27	299.26	286.61	285.67	283.50	286.48	286.97	290.47
MEAN	9.96	9.88	10.03	10.26	9.87	9.65	9.55	9.22	9.45	9.24	9.26	9.68
MAX	10.14	10.03	10.08	10.41	10.34	9.76	9.63	9.54	9.67	9.33	9.47	9.77
MIN	9.72	9.63	9.98	10.10	9.63	9.50	9.43	8.95	9.31	9.19	9.14	9.49

02289019 TAMIAMI CANAL BELOW S-12-B, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°46'05", 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. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1966 to September 1975 (gage heights only), October 1975 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, and digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Since March 9, 1990, satellite data collection platform. 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. 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. Discharge records for the missing periods above were either fragmentary or unavailable from files of the Geological Survey.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 20 complete water years of discharge (1964-65, 1976-93).

COOPERATION.--Gate-opening record provided U.S. Army by Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.24 ft Sept. 24-25, 1992; minimum, 5.02 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.16 ft Feb. 5; minimum, 8.45 ft Jan. 3.

STATION NUMBER 02289019
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.12	9.67	9.35	8.49	9.02	9.68	9.60	9.43	9.12	9.32	8.92	8.58
2	10.10	9.64	9.26	8.49	9.21	9.66	9.61	9.39	9.58	9.31	8.92	8.60
3	10.08	9.62	9.26	8.49	9.38	9.60	9.61	9.36	9.56	9.31	8.90	8.59
4	10.05	9.58	9.26	8.49	9.38	9.58	9.59	9.35	9.57	9.29	8.96	8.60
5	10.06	9.54	9.27	8.48	9.72	9.60	9.59	9.33	9.58	9.29	9.01	8.60
6	10.05	9.56	9.27	8.59	10.07	9.61	9.60	9.32	9.58	9.27	9.00	8.60
7	10.04	9.58	9.27	8.79	10.00	9.61	9.60	9.31	9.57	9.24	8.99	8.59
8	10.02	9.59	9.27	8.80	9.94	9.61	9.57	9.32	9.55	9.21	8.98	8.59
9	10.01	9.60	9.04	8.84	9.89	9.60	9.55	9.30	9.52	9.16	8.98	8.70
10	10.00	9.52	8.85	8.84	9.86	9.59	9.57	9.29	9.50	9.15	8.88	8.81
11	9.98	9.29	8.85	8.84	9.82	9.58	9.56	9.26	9.48	9.16	8.73	8.81
12	9.97	9.29	8.84	8.84	9.77	9.55	9.53	9.26	9.46	9.14	8.74	8.81
13	9.95	9.30	8.84	8.84	9.77	9.48	9.50	9.24	9.45	9.14	8.74	8.81
14	9.93	9.30	8.84	8.84	9.76	9.56	9.46	9.21	9.46	9.06	8.74	8.89
15	9.92	9.30	8.84	8.84	9.74	9.58	9.41	9.18	9.48	8.98	8.74	8.97
16	9.92	9.29	8.72	8.85	9.71	9.57	9.59	9.16	9.50	8.98	8.74	8.97
17	9.97	9.43	8.60	8.85	9.70	9.60	9.61	9.13	9.47	8.97	8.75	8.97
18	10.03	9.63	8.60	8.85	9.70	9.69	9.59	9.11	9.43	8.96	8.75	8.97
19	10.02	9.62	8.59	8.85	9.70	9.74	9.57	9.08	9.39	8.95	8.74	8.97
20	9.98	9.63	8.58	9.00	9.67	9.74	9.55	9.05	9.36	8.88	8.74	8.97
21	9.94	9.66	8.58	9.16	9.64	9.73	9.52	9.03	9.34	8.82	8.74	8.97
22	9.92	9.67	8.59	9.11	9.61	9.71	9.52	9.01	9.32	8.82	8.74	8.97
23	9.90	9.68	8.62	9.06	9.67	9.69	9.49	8.99	9.30	8.82	8.74	8.98
24	9.88	9.59	8.62	9.06	9.70	9.69	9.45	8.97	9.30	8.82	8.63	8.98
25	9.84	9.42	8.61	9.06	9.68	9.70	9.43	8.94	9.31	8.81	8.57	8.98
26	9.81	9.41	8.61	9.07	9.66	9.70	9.43	8.93	9.31	8.81	8.57	8.98
27	9.78	9.41	8.61	9.06	9.68	9.68	9.46	8.83	9.31	8.85	8.57	8.98
28	9.77	9.42	8.61	9.03	9.69	9.67	9.55	8.61	9.30	8.88	8.57	9.00
29	9.76	9.43	8.57	9.02	---	9.66	9.51	8.64	9.30	8.89	8.57	8.94
30	9.73	9.42	8.50	9.02	---	9.64	9.47	8.64	9.31	8.90	8.58	8.86
31	9.70	---	8.51	9.03	---	9.61	---	8.69	---	8.91	8.58	---
TOTAL	308.23	285.09	273.83	274.58	271.14	298.71	286.09	282.36	282.71	280.10	271.81	265.04
MEAN	9.94	9.50	8.83	8.86	9.68	9.64	9.54	9.11	9.42	9.04	8.77	8.83
MAX	10.12	9.68	9.35	9.16	10.07	9.74	9.61	9.43	9.58	9.32	9.01	9.00
MIN	9.70	9.29	8.50	8.48	9.02	9.48	9.41	8.61	9.12	8.81	8.57	8.58

02289019 TAMIAMI CANAL BELOW S-12-B, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	615	347	333	75	238	446	342	291	202	245	137	51
2	605	331	301	76	342	437	346	279	378	244	138	52
3	596	317	301	76	399	416	349	268	373	244	138	53
4	586	365	303	76	385	410	344	263	374	238	176	54
5	591	398	304	76	513	417	349	257	376	236	196	55
6	588	403	307	115	651	418	354	254	374	232	189	55
7	585	414	307	165	621	418	355	251	373	222	184	56
8	577	419	308	162	595	419	348	256	365	224	181	56
9	573	423	224	166	572	417	344	250	354	211	177	91
10	570	365	161	170	549	412	353	245	347	200	227	113
11	559	281	162	170	523	408	352	234	342	176	295	112
12	557	286	162	170	496	398	347	233	334	192	297	112
13	553	287	162	169	483	376	339	229	328	186	299	113
14	545	288	162	170	472	401	329	219	329	163	305	138
15	541	288	162	170	454	410	310	212	338	155	304	154
16	533	287	122	171	433	406	368	206	343	155	300	154
17	547	365	89	173	431	415	375	198	329	154	308	153
18	564	438	89	173	434	447	366	191	316	156	201	152
19	553	438	89	173	433	460	357	184	299	153	86	151
20	529	437	89	254	428	456	348	176	286	128	86	151
21	511	454	89	313	417	445	339	171	277	113	87	149
22	497	454	96	284	408	431	333	164	270	113	87	149
23	482	457	106	261	431	420	323	160	260	113	86	149
24	467	415	106	259	445	414	309	154	259	114	69	149
25	446	361	106	260	437	411	302	149	258	114	46	148
26	429	362	106	264	432	406	298	144	256	114	47	148
27	415	364	106	253	442	393	306	115	254	129	48	147
28	403	368	107	241	447	387	338	39	247	138	48	148
29	395	368	92	239	---	376	320	46	245	136	49	110
30	379	365	74	239	---	367	307	48	246	141	50	90
31	363	---	74	239	---	350	---	52	---	140	50	---
TOTAL	16154	11145	5199	5802	12911	12787	10150	5938	9332	5279	4891	3413
MEAN	521	371	168	187	461	412	338	192	311	170	158	114
MAX	615	457	333	313	651	460	375	291	378	245	308	154
MIN	363	281	74	75	238	350	298	39	202	113	46	51
AC-FT	32040	22110	10310	11510	25610	25360	20130	11780	18510	10470	9700	6770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	217	142	68.2	52.1	59.4	64.0	36.9	18.8	36.8	94.3	133	158
MAX	522	480	366	374	461	412	338	192	311	519	550	545
(WY)	1976	1983	1984	1984	1993	1993	1993	1993	1993	1982	1982	1992
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1964 - 1993	
ANNUAL TOTAL	64256.00		103001			
ANNUAL MEAN	176		282		96.0	
HIGHEST ANNUAL MEAN					282	1993
LOWEST ANNUAL MEAN					.000	1964
HIGHEST DAILY MEAN	631	Sep 25	651	Feb 6	819	Sep 23 1976
LOWEST DAILY MEAN	.00	Jan 1	39	May 28	-22	Mar 28 1985
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	48	Aug 25	-3.1	Mar 26 1985
ANNUAL RUNOFF (AC-FT)	127500		204300		69550	
10 PERCENT EXCEEDS	525		456		299	
50 PERCENT EXCEEDS	75		286		7.3	
90 PERCENT EXCEEDS	.00		89		.00	

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

LOCATION.--Lat 26°40'02", long 80°56'18", in SW1/4 sec.9, T.44 S., R.34 E., Hendry County, Hydrologic Unit 03090202, approximately 1,000 ft east of structure G-136, and approximately 6 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May - July, 1992 (gage heights only), August 1992 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, and single path acoustic velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by structure activity at G-136, and by agricultural pumping. Discharge computed from continuous record of line velocity and stage.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.74 ft June 26, 1992; minimum, 9.38 ft Mar. 24, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.49 ft Jan. 9; minimum, 9.38 ft Mar. 24.

STATION NUMBER 02289027
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	11.91	12.78	11.79	10.89
2	---	---	---	---	---	---	---	---	11.86	11.77	12.24	11.67
3	---	---	---	---	---	---	---	---	11.90	11.03	12.21	11.66
4	---	---	---	---	---	---	---	---	11.51	10.42	11.45	11.78
5	---	---	---	---	---	---	---	---	11.52	10.38	11.19	11.50
6	---	---	---	---	---	---	---	---	11.16	10.11	11.32	11.30
7	---	---	---	---	---	---	---	---	11.36	10.55	11.74	11.38
8	---	---	---	---	---	---	---	---	11.71	11.38	11.67	11.33
9	---	---	---	---	---	---	---	---	11.51	11.45	11.31	11.65
10	---	---	---	---	---	---	---	---	11.17	11.50	11.40	11.47
11	---	---	---	---	---	---	---	---	11.00	11.68	11.73	11.51
12	---	---	---	---	---	---	---	---	10.84	11.49	11.95	11.18
13	---	---	---	---	---	---	---	---	10.98	11.45	10.48	11.22
14	---	---	---	---	---	---	---	---	11.52	11.42	10.51	11.38
15	---	---	---	---	---	---	---	---	12.60	11.80	11.79	11.51
16	---	---	---	---	---	---	---	---	10.76	11.56	12.06	11.17
17	---	---	---	---	---	---	---	---	10.25	11.52	12.25	11.24
18	---	---	---	---	---	---	---	---	11.20	11.81	10.46	11.43
19	---	---	---	---	---	---	---	---	10.95	12.13	10.36	10.73
20	---	---	---	---	---	---	---	---	10.23	11.66	10.39	11.17
21	---	---	---	---	---	---	---	---	10.10	12.09	10.82	11.20
22	---	---	---	---	---	---	---	---	10.14	11.23	11.16	11.34
23	---	---	---	---	---	---	---	11.54	10.62	11.54	11.06	11.26
24	---	---	---	---	---	---	---	11.66	11.71	11.87	11.22	11.67
25	---	---	---	---	---	---	---	11.37	11.88	11.32	11.94	11.85
26	---	---	---	---	---	---	---	11.24	12.84	11.34	11.42	11.51
27	---	---	---	---	---	---	---	11.36	12.82	10.95	10.83	11.33
28	---	---	---	---	---	---	---	11.61	12.65	10.78	11.06	11.03
29	---	---	---	---	---	---	---	11.67	12.79	10.90	11.14	10.27
30	---	---	---	---	---	---	---	11.79	12.93	11.77	10.94	10.40
31	---	---	---	---	---	---	---	11.94	---	11.73	11.00	---
TOTAL	---	---	---	---	---	---	---	---	344.42	353.41	350.89	339.03
MEAN	---	---	---	---	---	---	---	---	11.48	11.40	11.32	11.30
MAX	---	---	---	---	---	---	---	---	12.93	12.78	12.25	11.85
MIN	---	---	---	---	---	---	---	---	10.10	10.11	10.36	10.27

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	86
2	---	---	---	---	---	---	---	---	---	---	---	82
3	---	---	---	---	---	---	---	---	---	---	---	105
4	---	---	---	---	---	---	---	---	---	---	---	166
5	---	---	---	---	---	---	---	---	---	---	---	150
6	---	---	---	---	---	---	---	---	---	---	---	118
7	---	---	---	---	---	---	---	---	---	---	52	103
8	---	---	---	---	---	---	---	---	---	---	67	86
9	---	---	---	---	---	---	---	---	---	---	50	79
10	---	---	---	---	---	---	---	---	---	---	52	65
11	---	---	---	---	---	---	---	---	---	---	74	48
12	---	---	---	---	---	---	---	---	---	---	132	29
13	---	---	---	---	---	---	---	---	---	---	73	25
14	---	---	---	---	---	---	---	---	---	---	44	22
15	---	---	---	---	---	---	---	---	---	---	37	50
16	---	---	---	---	---	---	---	---	---	---	53	27
17	---	---	---	---	---	---	---	---	---	---	81	31
18	---	---	---	---	---	---	---	---	---	---	66	19
19	---	---	---	---	---	---	---	---	---	---	74	-2.8
20	---	---	---	---	---	---	---	---	---	---	83	-3.5
21	---	---	---	---	---	---	---	---	---	---	83	-13
22	---	---	---	---	---	---	---	---	---	---	92	-18
23	---	---	---	---	---	---	---	---	---	---	107	-18
24	---	---	---	---	---	---	---	---	---	---	136	9.6
25	---	---	---	---	---	---	---	---	---	---	192	43
26	---	---	---	---	---	---	---	---	---	---	147	49
27	---	---	---	---	---	---	---	---	---	---	108	31
28	---	---	---	---	---	---	---	---	---	---	97	22
29	---	---	---	---	---	---	---	---	---	---	89	42
30	---	---	---	---	---	---	---	---	---	---	139	26
31	---	---	---	---	---	---	---	---	---	---	102	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	1458.3
MEAN	---	---	---	---	---	---	---	---	---	---	---	48.6
MAX	---	---	---	---	---	---	---	---	---	---	---	166
MIN	---	---	---	---	---	---	---	---	---	---	---	-18
AC-FT	---	---	---	---	---	---	---	---	---	---	---	2890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1992, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	48.6
MAX	---	---	---	---	---	---	---	---	---	---	---	48.6
(WY)	---	---	---	---	---	---	---	---	---	---	---	1992
MIN	---	---	---	---	---	---	---	---	---	---	---	48.6
(WY)	---	---	---	---	---	---	---	---	---	---	---	1992

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.28	11.92	11.16	11.11	11.44	11.22	11.09	10.61	10.83	10.85	11.32	11.32
2	10.02	11.77	10.95	11.27	11.64	11.31	11.19	10.93	10.84	10.32	11.20	10.97
3	10.48	11.56	10.70	10.79	11.57	11.40	11.10	11.29	11.68	9.89	11.26	11.74
4	10.50	11.70	11.35	10.89	11.56	11.59	11.01	11.91	10.95	9.93	10.87	11.03
5	10.68	11.91	11.49	11.14	11.54	11.53	11.34	11.88	10.46	10.88	10.97	10.59
6	10.59	11.58	11.57	11.17	11.53	11.31	11.43	11.98	10.29	11.28	11.14	10.74
7	10.69	11.63	11.49	11.34	11.31	11.09	11.53	12.27	10.06	11.19	11.43	11.88
8	11.22	11.55	11.49	11.33	11.30	11.28	11.48	12.25	10.92	11.04	11.49	11.74
9	11.26	11.28	11.53	12.29	11.46	11.91	11.44	11.36	11.20	11.14	11.49	11.29
10	11.10	8.32	11.53	11.68	11.42	12.01	11.51	11.34	10.91	11.50	11.58	10.66
11	11.14	6.79	11.00	11.61	11.31	11.99	11.31	12.25	10.29	11.49	10.98	11.07
12	10.99	6.79	11.16	10.77	11.33	12.00	11.04	11.83	9.90	11.25	10.69	12.39
13	10.94	6.79	11.23	10.62	11.22	11.70	10.82	11.09	10.74	10.98	11.00	12.05
14	10.79	6.79	11.38	11.04	10.97	11.50	11.05	11.02	11.02	10.87	11.15	11.54
15	10.48	6.79	11.49	10.85	10.93	11.35	11.28	11.67	10.72	10.89	11.27	11.30
16	10.75	6.79	11.58	11.20	11.11	11.33	11.62	11.81	11.61	11.78	11.26	10.37
17	10.77	6.79	11.49	10.59	11.28	10.13	11.42	11.68	11.49	11.90	11.39	10.21
18	10.96	8.16	11.29	10.98	11.23	10.62	11.26	11.39	11.07	11.87	11.29	10.49
19	11.07	10.35	11.11	11.05	11.23	11.36	11.16	11.45	10.91	11.63	11.01	10.67
20	11.55	10.94	10.87	11.34	11.18	10.62	11.03	11.65	10.89	11.26	10.87	11.28
21	11.67	10.71	10.86	11.34	11.14	10.16	11.24	11.62	11.39	10.99	10.93	---
22	11.64	10.47	11.12	11.30	11.25	10.21	10.90	11.58	10.73	11.37	11.04	10.88
23	11.90	10.43	11.56	11.10	11.39	10.77	10.79	11.61	11.47	11.60	11.42	10.95
24	12.16	10.14	11.69	11.14	11.24	10.41	11.13	11.50	11.26	11.45	11.14	11.10
25	12.17	9.81	11.69	11.29	11.20	10.93	11.40	11.41	11.38	11.61	11.31	11.30
26	12.15	10.30	11.78	11.99	11.30	10.97	10.93	11.64	11.26	11.82	11.16	11.42
27	12.01	10.26	11.83	11.73	11.53	11.31	11.04	11.74	11.01	11.34	11.25	11.25
28	12.08	10.17	11.72	10.81	11.17	11.35	11.17	11.83	11.09	11.41	11.40	11.20
29	12.06	10.78	11.50	10.96	---	11.28	11.08	12.29	10.62	11.14	10.19	11.08
30	12.08	11.02	11.57	11.68	---	11.16	10.77	11.85	10.50	11.36	11.19	11.16
31	12.11	---	11.37	11.44	---	10.93	---	11.36	---	11.51	11.82	---
TOTAL	348.29	294.29	352.55	347.84	316.78	346.73	335.56	360.09	327.49	347.54	346.51	---
MEAN	11.24	9.81	11.37	11.22	11.31	11.18	11.19	11.62	10.92	11.21	11.18	---
MAX	12.17	11.92	11.83	12.29	11.64	12.01	11.62	12.29	11.68	11.90	11.82	---
MIN	10.02	6.79	10.70	10.59	10.93	10.13	10.77	10.61	9.90	9.89	10.19	---

02289027 DRAINAGE CANAL BELOW STRUCTURE G-136, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	-21	-25	-18	-18	42	5.2	-.96	56	-13	85	127
2	23	-19	-19	-27	-23	46	3.4	.28	30	-4.7	72	141
3	21	-21	-26	-14	-12	49	1.4	-.60	83	-6.0	73	184
4	30	-20	-26	-23	27	34	.10	3.0	92	-9.5	63	159
5	37	-19	-20	-22	37	34	5.8	5.9	74	1.9	60	116
6	30	-22	-31	-25	47	27	7.9	4.7	74	-.68	50	104
7	21	-21	-24	-25	43	30	6.5	8.1	46	-.99	30	128
8	6.4	-23	-25	-22	34	26	.82	8.9	39	-1.6	20	129
9	.68	-18	-27	45	31	17	1.6	2.8	15	-3.1	13	135
10	11	-10	-23	126	43	20	.01	.75	3.5	1.1	10	112
11	3.4	-10	-23	123	44	15	6.4	4.6	-6.0	-1.7	4.6	83
12	-11	-10	-22	54	45	19	6.6	1.7	-6.3	-.64	.08	126
13	-29	-3.8	-21	32	52	19	7.1	5.9	.74	-3.5	.07	183
14	-28	-10	-25	23	51	27	3.1	.78	3.4	-6.5	-2.7	158
15	-28	-10	-15	12	53	22	.98	-2.0	-.83	-5.3	-3.6	133
16	-20	-9.6	-18	-12	56	33	1.8	5.1	.04	2.1	-4.9	106
17	-16	-9.1	-16	-19	48	32	2.1	7.9	-3.3	-4.2	-3.8	83
18	-14	-14	-14	-22	33	63	5.1	1.9	-4.9	2.5	-13	79
19	-19	-26	-21	-22	32	96	-3.2	-.20	-5.6	.74	-8.7	66
20	-29	-18	-15	-18	37	35	-4.6	1.7	-9.0	-8.7	-15	75
21	-21	-20	-20	-19	36	24	-1.8	-12	4.2	-12	-14	e80
22	-23	-25	-27	-12	33	25	-.33	-2.2	4.6	-15	-15	82
23	-25	-21	-28	-26	21	18	.92	1.9	-2.8	-4.2	-.10	49
24	-22	-20	-22	-22	23	12	2.5	.88	-5.4	.21	-4.2	50
25	-22	-21	-19	6.6	32	21	4.4	2.3	-1.4	-1.3	-1.3	42
26	-25	-22	-20	65	29	42	5.6	1.9	1.1	3.2	6.2	50
27	-20	-12	-23	46	36	36	4.4	-1.8	.45	2.0	5.6	49
28	-25	-27	-17	34	45	33	7.8	1.0	-2.2	-8.8	6.1	44
29	-20	-23	-21	8.0	---	24	1.1	12	-12	4.4	15	44
30	-20	-25	-23	-20	---	8.6	-1.1	99	-2.0	26	49	62
31	-21	---	-25	-16	---	7.0	---	114	---	86	122	---
TOTAL	-226.52	-530.5	-681	190.6	915	936.6	81.60	277.23	465.30	18.74	598.35	2979
MEAN	-7.31	-17.7	-22.0	6.15	32.7	30.2	2.72	8.94	15.5	.60	19.3	99.3
MAX	37	-3.8	-14	126	56	96	7.9	114	92	86	122	184
MIN	-29	-27	-31	-27	-23	7.0	-4.6	-12	-12	-15	-15	42
AC-FT	-449	-1050	-1350	378	1810	1860	162	550	923	37	1190	5910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	-7.31	-17.7	-22.0	6.15	32.7	30.2	2.72	8.94	15.5	.60	19.3	74.0
MAX	-7.31	-17.7	-22.0	6.15	32.7	30.2	2.72	8.94	15.5	.60	19.3	99.3
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993
MIN	-7.31	-17.7	-22.0	6.15	32.7	30.2	2.72	8.94	15.5	.60	19.3	48.6
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1992

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1992 - 1993	
ANNUAL TOTAL	5024.40			
ANNUAL MEAN	13.8		13.8	
HIGHEST ANNUAL MEAN			13.8	1993
LOWEST ANNUAL MEAN			13.8	1993
HIGHEST DAILY MEAN	184	Sep 3	192	Aug 25 1992
LOWEST DAILY MEAN	-31	Dec 6	-31	Dec 6 1992
ANNUAL SEVEN-DAY MINIMUM	-26	Dec 3	-26	Dec 3 1992
ANNUAL RUNOFF (AC-FT)	9970		9970	
10 PERCENT EXCEEDS	65		85	
50 PERCENT EXCEEDS	1.6		4.3	
90 PERCENT EXCEEDS	-22		-22	

e Estimated

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'48", long 80°52'48", in NW1/4 sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft downstream, due east of structure G-155, 3.0 mi northeast of Snake Road, and 35 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to August 1992 (gage height only). September 1992 to current year.

GAGE.--Water-stage shaft encoder, single path acoustic velocity meter, and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow affected by structure activity at G-155 and by agricultural pumping. Discharge computed from continuous record of line velocity and stage.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 14.50 ft July 2, 1992; minimum, 10.04 ft June 2, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 14.19 ft Sept. 14; minimum, 10.53 ft May 27, 28.

STATION NUMBER 02289031
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	10.11	14.40	13.20	13.94
2	---	---	---	---	---	---	---	---	10.09	14.36	13.29	13.81
3	---	---	---	---	---	---	---	---	10.13	14.23	13.34	13.64
4	---	---	---	---	---	---	---	---	10.26	14.19	13.45	13.60
5	---	---	---	---	---	---	---	---	10.39	14.11	13.51	13.45
6	---	---	---	---	---	---	---	---	10.63	13.92	13.42	13.34
7	---	---	---	---	---	---	---	---	10.67	13.80	13.47	13.18
8	---	---	---	---	---	---	---	---	10.72	13.79	13.55	12.94
9	---	---	---	---	---	---	---	---	10.77	13.90	13.52	12.90
10	---	---	---	---	---	---	---	---	10.77	13.92	13.50	12.87
11	---	---	---	---	---	---	---	---	10.84	13.86	13.58	12.91
12	---	---	---	---	---	---	---	---	11.00	13.78	13.77	13.07
13	---	---	---	---	---	---	---	---	11.35	13.74	13.96	13.00
14	---	---	---	---	---	---	---	---	11.56	13.73	14.04	13.09
15	---	---	---	---	---	---	---	---	11.99	13.69	14.08	13.21
16	---	---	---	---	---	---	---	---	12.96	13.62	14.10	13.10
17	---	---	---	---	---	---	---	---	12.92	13.58	14.10	13.06
18	---	---	---	---	---	---	---	---	12.87	13.57	14.07	13.09
19	---	---	---	---	---	---	---	---	12.76	13.59	14.10	13.05
20	---	---	---	---	---	---	---	---	12.57	13.71	14.09	13.04
21	---	---	---	---	---	---	---	---	12.38	13.84	14.14	12.93
22	---	---	---	---	---	---	---	10.42	12.14	13.81	14.01	12.62
23	---	---	---	---	---	---	---	10.37	11.93	13.74	13.91	12.67
24	---	---	---	---	---	---	---	10.33	12.22	13.68	14.12	13.22
25	---	---	---	---	---	---	---	10.29	12.57	13.60	14.17	13.36
26	---	---	---	---	---	---	---	10.24	13.27	13.55	14.05	13.42
27	---	---	---	---	---	---	---	10.19	13.60	13.47	13.80	13.34
28	---	---	---	---	---	---	---	10.15	13.75	13.39	13.64	13.26
29	---	---	---	---	---	---	---	10.14	13.91	13.25	13.69	13.27
30	---	---	---	---	---	---	---	10.11	14.15	13.19	13.97	13.31
31	---	---	---	---	---	---	---	10.12	---	13.20	14.02	---
TOTAL	---	---	---	---	---	---	---	---	355.28	426.21	427.66	395.69
MEAN	---	---	---	---	---	---	---	---	11.84	13.75	13.80	13.19
MAX	---	---	---	---	---	---	---	---	14.15	14.40	14.17	13.94
MIN	---	---	---	---	---	---	---	---	10.09	13.19	13.20	12.62

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	-18
9	---	---	---	---	---	---	---	---	---	---	---	12
10	---	---	---	---	---	---	---	---	---	---	---	.08
11	---	---	---	---	---	---	---	---	---	---	---	28
12	---	---	---	---	---	---	---	---	---	---	---	46
13	---	---	---	---	---	---	---	---	---	---	---	21
14	---	---	---	---	---	---	---	---	---	---	---	81
15	---	---	---	---	---	---	---	---	---	---	---	86
16	---	---	---	---	---	---	---	---	---	---	---	54
17	---	---	---	---	---	---	---	---	---	---	---	50
18	---	---	---	---	---	---	---	---	---	---	---	59
19	---	---	---	---	---	---	---	---	---	---	---	54
20	---	---	---	---	---	---	---	---	---	---	---	55
21	---	---	---	---	---	---	---	---	---	---	---	30
22	---	---	---	---	---	---	---	---	---	---	---	-3.7
23	---	---	---	---	---	---	---	---	---	---	---	30
24	---	---	---	---	---	---	---	---	---	---	---	107
25	---	---	---	---	---	---	---	---	---	---	---	159
26	---	---	---	---	---	---	---	---	---	---	---	152
27	---	---	---	---	---	---	---	---	---	---	---	103
28	---	---	---	---	---	---	---	---	---	---	---	69
29	---	---	---	---	---	---	---	---	---	---	---	95
30	---	---	---	---	---	---	---	---	---	---	---	108
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC-FT	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1992, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.28	11.72	10.97	11.14	13.01	11.23	12.99	11.73	13.20	12.95	13.59	---
2	13.23	11.67	11.00	11.19	12.89	11.17	12.99	11.58	13.15	12.94	13.62	---
3	13.18	11.62	11.00	11.19	12.64	11.14	12.97	11.47	13.23	12.93	13.78	---
4	13.19	11.58	11.00	11.12	12.53	11.11	12.95	11.43	13.24	12.93	13.76	---
5	13.29	11.57	10.93	11.02	12.43	11.18	13.01	11.40	13.22	12.93	13.66	---
6	13.28	11.60	10.92	10.97	12.34	11.18	12.95	11.39	13.22	12.95	13.52	---
7	13.22	11.77	10.92	10.97	12.31	11.20	12.86	11.37	13.21	12.90	13.44	---
8	13.03	11.73	10.92	10.99	12.27	11.22	12.74	11.35	13.18	12.86	13.36	---
9	13.00	11.69	10.95	11.56	12.16	11.28	12.65	11.32	13.16	12.91	13.27	---
10	13.06	11.65	10.97	13.00	12.12	11.34	12.68	11.24	13.13	12.94	13.16	---
11	13.04	11.47	10.95	13.03	12.01	11.29	12.68	11.20	13.10	12.95	13.12	13.71
12	12.91	11.35	10.93	12.61	12.07	11.28	12.57	11.18	13.07	12.94	13.07	13.80
13	12.67	11.27	10.93	12.21	12.04	11.19	12.47	11.12	13.05	12.93	13.04	13.95
14	12.54	11.13	10.95	11.92	12.00	11.24	12.38	11.02	13.06	12.92	13.02	14.05
15	12.38	11.01	10.98	11.68	11.91	11.24	12.25	10.98	13.06	12.93	13.01	13.89
16	12.28	10.96	11.02	11.58	11.86	11.23	12.73	10.95	13.05	12.98	12.99	13.79
17	12.19	11.00	11.05	11.53	11.74	11.09	13.17	10.93	13.04	12.96	13.00	13.65
18	12.06	11.03	11.06	11.49	11.63	11.16	13.11	10.89	13.01	12.89	12.97	13.54
19	12.00	10.94	11.06	11.43	11.56	12.78	12.98	10.82	12.97	12.84	12.95	13.34
20	11.98	10.99	11.04	11.33	11.45	13.16	12.87	10.77	12.94	12.77	12.91	13.42
21	11.98	11.13	11.01	11.21	11.39	13.11	12.83	10.75	12.92	12.72	12.87	13.78
22	11.98	11.13	11.00	11.15	11.35	13.08	12.79	10.71	12.89	12.69	12.85	13.58
23	11.95	11.15	11.01	11.05	11.34	12.96	12.60	10.70	12.93	12.67	12.90	13.55
24	11.90	11.08	11.03	11.01	11.32	12.90	12.46	10.66	13.04	12.73	12.91	13.58
25	11.89	11.03	11.06	12.22	11.25	12.91	12.41	10.61	13.06	12.90	13.03	13.56
26	11.91	10.94	11.08	13.57	11.22	13.00	12.42	10.57	13.03	13.01	---	13.54
27	11.91	10.90	11.10	13.57	11.22	13.02	12.43	10.56	13.04	13.06	---	13.56
28	11.90	10.86	11.11	13.36	11.23	13.05	12.37	10.60	13.05	13.09	---	13.58
29	11.89	10.88	11.12	13.16	---	13.04	12.15	10.93	13.04	13.15	---	13.69
30	11.85	10.92	11.12	13.09	---	12.99	11.96	11.00	13.00	13.25	---	13.84
31	11.77	---	11.13	13.04	---	12.99	---	12.15	---	13.44	---	---
TOTAL	386.74	337.77	341.32	368.39	333.29	370.76	380.42	343.38	392.29	401.06	---	---
MEAN	12.48	11.26	11.01	11.88	11.90	11.96	12.68	11.08	13.08	12.94	---	---
MAX	13.29	11.77	11.13	13.57	13.01	13.16	13.17	12.15	13.24	13.44	---	---
MIN	11.77	10.86	10.92	10.97	11.22	11.09	11.96	10.56	12.89	12.67	---	---

02289031 LEVEE 3 CANAL BELOW STRUCTURE G-155, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	-1.1	-1.6	1.8	83	-1.4	57	.27	222	38	303	---
2	76	1.7	2.7	4.0	35	-3.7	63	-2.0	149	33	320	---
3	71	2.3	-4.0	4.2	9.5	-.11	61	-3.5	190	35	425	---
4	85	2.6	-7.0	-3.0	8.4	9.5	51	-6.2	181	41	390	---
5	113	2.3	5.1	-3.0	8.8	9.2	68	-7.0	163	31	305	---
6	104	.43	-3.0	-6.1	5.5	12	48	-5.9	163	24	221	---
7	76	3.2	---	-5.5	8.8	-6.0	34	-12	153	23	186	---
8	33	2.6	---	-2.3	7.3	-.58	21	-3.6	133	26	142	---
9	54	3.8	---	48	7.4	-1.6	21	-4.0	116	36	94	---
10	64	4.7	---	144	-1.7	-.08	30	-6.1	103	32	61	---
11	56	.99	---	108	2.1	-.46	22	-7.1	89	28	60	174
12	26	-3.8	---	9.8	4.9	1.7	9.5	-8.0	77	31	51	261
13	15	5.0	---	-1.5	7.0	-.40	-14	5.4	62	30	48	381
14	10	.04	---	3.8	4.3	5.0	2.5	3.6	67	31	42	377
15	9.5	-.86	-1.1	-.73	3.3	2.5	4.0	12	65	37	36	293
16	2.3	-1.7	-7.2	-.05	3.2	2.4	74	-3.5	61	48	31	216
17	1.0	.73	-13	-.26	14	1.9	153	-5.8	50	32	34	152
18	2.4	.59	-9.9	-3.0	8.3	30	101	-11	46	15	32	112
19	4.1	-.13	-7.5	-1.7	3.1	213	49	.69	38	23	29	21
20	7.2	-1.9	-4.6	.85	-3.3	160	30	3.1	33	26	26	---
21	8.2	-4.5	---	-9.8	-.14	127	31	4.6	36	18	25	---
22	6.7	-1.9	---	---	5.3	104	32	-5.7	47	16	24	---
23	6.5	-2.5	-1.5	---	1.6	61	13	-5.6	38	13	32	---
24	1.1	-1.9	-4.1	---	3.6	58	5.0	-7.3	34	20	35	---
25	14	-4.6	-3.1	---	.83	56	11	-6.6	43	40	52	151
26	10	-5.4	-6.2	---	2.5	87	22	-8.1	46	64	---	147
27	-.32	3.3	-.92	355	-.16	87	14	-8.5	54	71	---	157
28	6.6	-2.6	2.8	221	-1.7	92	7.1	-3.9	57	75	---	159
29	3.4	1.8	-.91	122	---	77	.17	-6.1	51	108	---	218
30	1.7	3.7	-4.7	110	---	65	.45	-1.7	58	143	---	283
31	.08	---	-.65	93	---	69	---	223	---	248	---	---
TOTAL	958.46	6.89	---	---	230.73	1315.87	1020.72	113.46	2625	1436	---	---
MEAN	30.9	.23	---	---	8.24	42.4	34.0	3.66	87.5	46.3	---	---
MAX	113	5.0	---	---	83	213	153	223	222	248	---	---
MIN	-.32	-5.4	---	---	-3.3	-6.0	-14	-12	33	13	---	---
AC-FT	1900	14	---	---	458	2610	2020	225	5210	2850	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	30.9	.23	---	---	8.24	42.4	34.0	3.66	87.5	46.3	---	---
MAX	30.9	.23	---	---	8.24	42.4	34.0	3.66	87.5	46.3	---	---
(WY)	1993	1993	---	---	1993	1993	1993	1993	1993	1993	---	---
MIN	30.9	.23	---	---	8.24	42.4	34.0	3.66	87.5	46.3	---	---
(WY)	1993	1993	---	---	1993	1993	1993	1993	1993	1993	---	---

SUMMARY STATISTICS WATER YEARS 1992 - 1993

HIGHEST DAILY MEAN	425	Aug	3 1993
LOWEST DAILY MEAN	-18	Sep	8 1992
ANNUAL SEVEN-DAY MINIMUM	-6.7	May	6 1993
10 PERCENT EXCEEDS	148		
50 PERCENT EXCEEDS	14		
90 PERCENT EXCEEDS	-4.0		

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

LOCATION.--Lat 26°19'52", long 80°52'48", in NW1/4 sec.7, T.48 S., R.35 E., Broward County, Hydrologic Unit 03090202, approximately 1,050 ft below structure G-88, 3.0 mi northeast of Snake Road and 35 mi south of Clewiston, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May - July 1992 (gage heights only), August 1992 to current year.

GAGE.--Water-stage shaft encoder, single path acoustic velocity meter, and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Flow affected by operation of G-88, pump station S-8, and by agricultural pumping. Flow reversal occurs at times, during agricultural activity. Discharge computed from continuous record of line velocity and stage.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.63 ft Aug. 21-22, 1992; minimum, 9.40 ft Mar. 24, 1993.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.12 ft Sept. 15; minimum, 9.40 ft Mar. 24.

STATION NUMBER 02289032
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	11.92	11.25	12.05	13.25
2	---	---	---	---	---	---	---	---	---	12.19	12.44	13.14
3	---	---	---	---	---	---	---	---	11.90	12.76	12.45	12.99
4	---	---	---	---	---	---	---	---	11.58	12.63	11.66	13.01
5	---	---	---	---	---	---	---	---	11.36	12.59	11.52	12.89
6	---	---	---	---	---	---	---	---	11.22	12.26	11.62	12.81
7	---	---	---	---	---	---	---	---	11.48	---	11.84	12.72
8	---	---	---	---	---	---	---	---	11.90	---	11.72	12.50
9	---	---	---	---	---	---	---	---	11.71	---	11.51	12.47
10	---	---	---	---	---	---	---	---	11.40	---	11.52	12.18
11	---	---	---	---	---	---	---	---	11.31	11.25	11.82	11.69
12	---	---	---	---	---	---	---	---	---	11.07	11.66	11.57
13	---	---	---	---	---	---	---	---	---	11.12	10.78	11.91
14	---	---	---	---	---	---	---	---	---	11.11	11.12	11.80
15	---	---	---	---	---	---	---	---	---	11.39	11.83	11.88
16	---	---	---	---	---	---	---	---	---	11.13	11.91	11.71
17	---	---	---	---	---	---	---	---	---	11.14	11.79	11.85
18	---	---	---	---	---	---	---	---	---	11.52	10.84	11.79
19	---	---	---	---	---	---	---	---	---	11.10	11.79	11.74
20	---	---	---	---	---	---	---	---	---	10.56	12.38	11.82
21	---	---	---	---	---	---	---	---	---	11.00	12.98	11.70
22	---	---	---	---	---	---	---	---	---	10.32	13.39	11.63
23	---	---	---	---	---	---	---	---	---	10.35	13.24	11.67
24	---	---	---	---	---	---	---	---	---	10.43	13.42	11.97
25	---	---	---	---	---	---	---	---	11.90	10.24	13.49	12.08
26	---	---	---	---	---	---	---	---	11.75	10.44	13.39	12.00
27	---	---	---	---	---	---	---	---	10.94	10.10	13.09	11.90
28	---	---	---	---	---	---	---	11.64	10.97	---	12.98	11.88
29	---	---	---	---	---	---	---	11.69	11.27	11.29	13.01	11.93
30	---	---	---	---	---	---	---	11.72	11.37	12.03	13.27	---
31	---	---	---	---	---	---	---	11.92	---	12.01	13.34	---
TOTAL	---	---	---	---	---	---	---	---	---	---	379.85	---
MEAN	---	---	---	---	---	---	---	---	---	---	12.25	---
MAX	---	---	---	---	---	---	---	---	---	---	13.49	---
MIN	---	---	---	---	---	---	---	---	---	---	10.78	---

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	78	611
2	---	---	---	---	---	---	---	---	---	---	68	585
3	---	---	---	---	---	---	---	---	---	---	67	556
4	---	---	---	---	---	---	---	---	---	---	129	556
5	---	---	---	---	---	---	---	---	---	---	166	549
6	---	---	---	---	---	---	---	---	---	---	168	532
7	---	---	---	---	---	---	---	---	---	---	164	501
8	---	---	---	---	---	---	---	---	---	---	152	480
9	---	---	---	---	---	---	---	---	---	---	156	473
10	---	---	---	---	---	---	---	---	---	---	153	448
11	---	---	---	---	---	---	---	---	---	184	177	375
12	---	---	---	---	---	---	---	---	---	180	194	360
13	---	---	---	---	---	---	---	---	---	173	226	393
14	---	---	---	---	---	---	---	---	---	170	233	380
15	---	---	---	---	---	---	---	---	---	154	219	381
16	---	---	---	---	---	---	---	---	---	147	220	379
17	---	---	---	---	---	---	---	---	---	141	222	389
18	---	---	---	---	---	---	---	---	---	129	241	386
19	---	---	---	---	---	---	---	---	---	135	385	383
20	---	---	---	---	---	---	---	---	---	150	479	376
21	---	---	---	---	---	---	---	---	---	154	---	367
22	---	---	---	---	---	---	---	---	---	166	---	350
23	---	---	---	---	---	---	---	---	---	155	---	348
24	---	---	---	---	---	---	---	---	---	144	---	391
25	---	---	---	---	---	---	---	---	---	138	---	408
26	---	---	---	---	---	---	---	---	---	130	---	413
27	---	---	---	---	---	---	---	---	---	125	e587	407
28	---	---	---	---	---	---	---	---	---	135	562	394
29	---	---	---	---	---	---	---	---	---	122	566	394
30	---	---	---	---	---	---	---	---	---	95	596	402
31	---	---	---	---	---	---	---	---	---	87	627	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	12967
MEAN	---	---	---	---	---	---	---	---	---	---	---	432
MAX	---	---	---	---	---	---	---	---	---	---	---	611
MIN	---	---	---	---	---	---	---	---	---	---	---	348
AC-FT	---	---	---	---	---	---	---	---	---	---	---	25720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1992, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	432
MAX	---	---	---	---	---	---	---	---	---	---	---	432
(WY)	---	---	---	---	---	---	---	---	---	---	---	1992
MIN	---	---	---	---	---	---	---	---	---	---	---	432
(WY)	---	---	---	---	---	---	---	---	---	---	---	1992

e Estimated

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.94	12.14	11.51	11.34	10.09	9.90	9.78	10.64	10.12	11.06	11.58	---
2	11.89	11.97	11.31	11.43	9.95	9.90	9.96	10.91	10.68	10.48	11.45	---
3	11.96	11.79	11.15	10.97	9.98	9.98	9.87	11.19	10.72	10.05	11.51	---
4	11.94	11.86	11.57	10.96	10.01	11.14	9.74	11.82	10.09	10.11	11.10	---
5	12.03	12.09	11.72	11.22	9.96	11.70	10.03	11.84	10.08	11.07	11.10	---
6	12.06	11.87	11.79	11.31	9.97	11.51	10.26	11.95	9.79	11.49	11.28	---
7	12.09	11.93	11.70	11.40	9.94	11.24	10.23	12.24	9.57	11.34	11.54	10.25
8	12.17	11.89	11.79	11.29	9.89	11.43	10.16	12.26	10.47	11.17	11.61	10.27
9	12.22	11.59	11.85	11.22	10.06	12.04	10.11	11.42	11.34	11.37	11.62	10.16
10	12.12	11.05	11.79	10.29	9.99	12.09	10.32	11.31	11.05	11.73	11.74	10.26
11	12.12	11.01	11.34	11.06	9.77	12.11	10.09	12.25	10.44	11.67	11.15	11.01
12	12.12	10.90	11.37	12.57	10.04	12.07	9.81	11.82	10.05	11.41	10.85	10.97
13	11.81	10.80	11.46	11.97	10.07	11.99	9.84	11.12	10.83	11.15	11.14	10.12
14	11.59	10.55	11.65	11.91	10.09	11.74	10.04	11.03	11.13	11.07	11.29	11.49
15	11.16	10.49	11.71	11.45	10.07	11.59	10.21	11.67	10.96	11.07	11.44	13.05
16	11.30	10.94	11.77	11.40	9.97	11.08	10.21	11.83	11.83	11.92	11.42	12.96
17	11.28	11.29	11.70	10.95	9.68	10.02	9.96	11.67	11.73	12.04	11.55	12.86
18	11.43	11.16	11.51	10.71	9.81	10.41	9.83	11.33	11.36	12.01	11.47	12.85
19	11.65	10.68	11.33	10.45	9.78	11.10	9.74	11.41	11.20	11.80	11.19	12.69
20	11.94	10.80	11.08	10.16	9.82	10.52	9.77	11.61	11.09	11.41	11.05	11.76
21	12.01	10.29	11.06	10.10	9.80	10.20	10.07	11.67	11.56	11.07	11.09	11.20
22	11.95	10.47	11.32	9.89	9.86	10.27	9.65	11.67	10.84	11.46	11.18	11.26
23	12.18	10.48	11.74	9.97	9.87	10.39	9.74	11.64	11.67	11.70	11.54	11.27
24	12.42	10.44	11.92	10.00	9.86	10.16	10.34	11.48	11.52	11.57	11.22	11.34
25	12.40	10.44	11.87	10.06	9.76	9.86	10.68	11.28	11.34	11.75	11.43	11.53
26	12.38	10.69	11.99	10.33	9.90	9.69	10.13	11.60	11.22	11.97	11.34	11.61
27	12.24	10.75	12.03	10.50	10.17	9.84	10.06	11.70	11.14	11.52	---	11.44
28	12.37	10.81	11.99	10.09	9.71	9.87	10.30	11.87	11.16	11.55	---	11.40
29	12.34	11.24	11.81	10.20	---	9.74	10.32	12.05	10.94	11.30	---	11.35
30	12.29	11.43	11.84	10.20	---	9.61	10.34	10.24	10.76	11.59	---	11.41
31	12.32	---	11.59	10.31	---	9.51	---	10.19	---	11.83	---	---
TOTAL	371.72	333.84	360.26	335.71	277.87	332.70	301.59	356.71	326.68	352.73	---	---
MEAN	11.99	11.13	11.62	10.83	9.92	10.73	10.05	11.51	10.89	11.38	---	---
MAX	12.42	12.14	12.03	12.57	10.17	12.11	10.68	12.26	11.83	12.04	---	---
MIN	11.16	10.29	11.06	9.89	9.68	9.51	9.65	10.19	9.57	10.05	---	---

02289032 LEVEE 4 BELOW STRUCTURE G-88, NEAR CLEWISTON, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	398	70	111	43	102	35	3.9	-42	98	46	138	---
2	394	67	121	36	86	47	6.5	-76	-16	12	112	---
3	375	74	119	45	82	35	.81	-98	104	2.4	113	---
4	367	46	39	3.8	88	36	-3.2	-109	119	14	90	---
5	359	40	48	42	78	.09	-1.1	-102	104	28	25	---
6	373	73	37	60	72	28	4.7	-105	68	50	24	---
7	348	54	55	48	84	.40	-3.8	-107	21	14	15	---
8	294	59	98	8.8	66	-12	-5.5	-93	-2.4	-40	-5.6	89
9	294	82	100	65	66	-11	-4.4	-81	-2.1	51	-7.8	88
10	297	121	96	140	66	-8.4	5.0	-94	-1.5	78	1.2	74
11	286	121	76	286	58	-7.3	2.3	-109	-18	27	2.7	74
12	284	90	7.5	510	78	11	-1.4	-106	-11	1.2	-21	78
13	243	87	42	409	90	32	-9.4	-97	-46	-.16	-34	81
14	226	98	69	395	86	.62	-5.8	-103	-47	28	-31	318
15	182	80	41	331	73	16	-13	-99	53	19	-4.2	571
16	158	28	51	310	74	79	19	-92	75	18	-11	569
17	151	18	45	250	32	46	44	-97	94	-4.0	-4.0	544
18	146	55	59	198	70	69	5.0	-108	97	-5.8	2.1	517
19	168	75	58	141	75	52	2.6	-92	89	17	-1.1	471
20	146	76	51	69	42	56	-10	-113	50	-19	-32	266
21	113	163	26	65	70	43	7.5	-87	25	-64	-68	109
22	102	155	40	44	15	48	6.2	-59	-45	-57	-60	93
23	95	168	31	69	13	71	-8.0	-53	20	-50	-45	67
24	80	174	30	62	27	37	-12	-84	82	-36	-72	22
25	68	174	4.9	73	43	75	-8.3	-111	94	-2.6	-59	29
26	72	124	39	97	65	42	5.4	-81	101	-2.1	-13	-.91
27	80	157	53	146	78	10	-.52	-87	119	2.3	---	-1.6
28	116	154	47	120	22	9.6	-3.8	-54	138	-6.6	---	-1.8
29	101	127	41	122	---	13	-9.0	40	90	2.4	---	38
30	69	125	24	96	---	12	-25	99	43	71	---	39
31	59	---	40	101	---	1.1	---	85	---	159	---	---
TOTAL	6444	2935	1699.4	4385.6	1801	866.11	-11.31	-2315	1495.0	353.04	---	---
MEAN	208	97.8	54.8	141	64.3	27.9	-.38	-74.7	49.8	11.4	---	---
MAX	398	174	121	510	102	79	44	99	138	159	---	---
MIN	59	18	4.9	3.8	13	-12	-25	-113	-47	-64	---	---
AC-FT	12780	5820	3370	8700	3570	1720	-22	-4590	2970	700	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	208	97.8	54.8	141	64.3	27.9	-.38	-74.7	49.8	11.4	---	432
MAX	208	97.8	54.8	141	64.3	27.9	-.38	-74.7	49.8	11.4	---	432
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	---	1992
MIN	208	97.8	54.8	141	64.3	27.9	-.38	-74.7	49.8	11.4	---	432
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	---	1992

SUMMARY STATISTICS	WATER YEARS 1992 - 1993	
HIGHEST DAILY MEAN	627	Aug 31 1992
LOWEST DAILY MEAN	-113	May 20 1993
ANNUAL SEVEN-DAY MINIMUM	-101	May 14 1993
10 PERCENT EXCEEDS	376	
50 PERCENT EXCEEDS	67	
90 PERCENT EXCEEDS	-32	

02289040 TAMIAMI CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

LOCATION.--Lat 25°45'22", long 80°43'34", 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. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge), October 1963 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1986. WDR FL-89-2A: 1983.

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Discharge is the total discharge through the S-12 structures A, B, C, and D from Conservation Area 3-A. Prior to October 1963 discharge was the total 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.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 53 complete water years of discharge (1941-93)

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.52 ft Oct. 26, 1968; minimum, 5.17 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.45 ft Jan. 27; minimum, 8.96 ft May 26, 27.

STATION NUMBER 02289040
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.18	9.72	10.05	10.14	10.36	9.72	9.67	9.48	9.71	9.39	9.29	9.52
2	10.16	9.69	10.03	10.17	10.34	9.70	9.67	9.45	9.67	9.38	9.29	9.58
3	10.14	9.67	10.02	10.17	10.30	9.64	9.67	9.41	9.65	9.38	9.28	9.62
4	10.11	9.71	10.03	10.17	10.27	9.62	9.65	9.40	9.65	9.37	9.26	9.65
5	10.13	9.75	10.04	10.16	10.22	9.65	9.66	9.39	9.66	9.36	9.25	9.68
6	10.12	9.76	10.04	10.17	10.13	9.65	9.66	9.37	9.67	9.33	9.23	9.70
7	10.11	9.79	10.04	10.15	10.08	9.65	9.66	9.37	9.66	9.29	9.21	9.72
8	10.09	9.81	10.05	10.12	9.99	9.65	9.63	9.39	9.62	9.29	9.20	9.73
9	10.08	9.82	10.07	10.23	9.92	9.65	9.61	9.36	9.58	9.28	9.20	9.75
10	10.07	9.88	10.06	10.30	9.89	9.63	9.63	9.34	9.56	9.28	9.22	9.75
11	10.05	9.95	10.07	10.30	9.85	9.63	9.62	9.31	9.55	9.28	9.24	9.75
12	10.04	9.96	10.07	10.28	9.80	9.59	9.60	9.30	9.54	9.27	9.25	9.75
13	10.02	9.98	10.06	10.29	9.80	9.57	9.57	9.30	9.52	9.27	9.24	9.75
14	10.00	10.00	10.06	10.29	9.79	9.64	9.53	9.26	9.52	9.26	9.26	9.74
15	9.98	10.00	10.05	10.30	9.77	9.66	9.49	9.24	9.55	9.28	9.25	9.73
16	9.97	9.98	10.05	10.31	9.74	9.65	9.65	9.21	9.54	9.28	9.24	9.73
17	10.01	9.96	10.05	10.36	9.73	9.66	9.68	9.19	9.50	9.27	9.26	9.72
18	10.08	9.96	10.06	10.34	9.74	9.75	9.66	9.16	9.47	9.25	9.29	9.72
19	10.07	9.95	10.06	10.34	9.74	9.81	9.63	9.14	9.43	9.24	9.30	9.72
20	10.03	9.96	10.05	10.33	9.71	9.82	9.61	9.11	9.40	9.24	9.29	9.71
21	10.00	10.00	10.05	10.29	9.68	9.80	9.58	9.08	9.37	9.26	9.29	9.69
22	9.97	10.01	10.05	10.29	9.65	9.77	9.57	9.06	9.36	9.26	9.30	9.67
23	9.95	10.03	10.06	10.29	9.71	9.75	9.55	9.04	9.34	9.26	9.29	9.69
24	9.93	10.04	10.07	10.27	9.74	9.74	9.52	9.01	9.35	9.26	9.31	9.69
25	9.90	10.06	10.08	10.28	9.72	9.76	9.49	8.99	9.36	9.26	9.36	9.68
26	9.87	10.05	10.07	10.33	9.70	9.76	9.48	8.97	9.36	9.25	9.37	9.68
27	9.84	10.06	10.07	10.43	9.72	9.75	9.51	8.97	9.36	9.25	9.39	9.68
28	9.82	10.08	10.08	10.40	9.73	9.74	9.60	9.14	9.35	9.27	9.43	9.70
29	9.82	10.09	10.09	10.36	---	9.73	9.56	9.33	9.37	9.27	9.47	9.77
30	9.79	10.07	10.11	10.37	---	9.71	9.52	9.39	9.38	9.27	9.51	9.79
31	9.75	---	10.09	10.37	---	9.68	---	9.56	---	9.28	9.50	---
TOTAL	310.08	297.79	311.83	318.60	276.82	300.53	287.93	286.72	285.05	287.88	288.27	291.06
MEAN	10.00	9.93	10.06	10.28	9.89	9.69	9.60	9.25	9.50	9.29	9.30	9.70
MAX	10.18	10.09	10.11	10.43	10.36	9.82	9.68	9.56	9.71	9.39	9.51	9.79
MIN	9.75	9.67	10.02	10.12	9.65	9.57	9.48	8.97	9.34	9.24	9.20	9.52

02289040 TAMIAMI CANAL OUTLETS, LEVEE 67A TO 40-MILE BEND, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3020	2060	1760	422	1160	2310	2090	1750	1390	1880	736	279
2	2980	1990	1340	426	1680	2260	2100	1690	1880	1880	739	271
3	2940	1930	1340	426	2070	2150	2100	1640	1860	1890	735	278
4	2880	2050	1340	425	2060	2120	2050	1620	1850	1850	766	282
5	2950	2130	1350	426	2330	2180	2050	1580	1860	1830	775	285
6	2960	2220	1350	620	2670	2200	2070	1560	1870	1750	761	286
7	2940	2260	1360	869	2550	2220	2050	1550	1860	1660	748	289
8	2920	2290	1180	856	2630	2220	1990	1580	1890	1810	743	290
9	2910	2300	1020	875	2830	2220	1950	1520	1900	1590	740	441
10	2910	2240	960	892	2760	2190	1980	1480	1860	1310	717	532
11	2880	2150	967	894	2660	2190	1950	1430	1830	1280	735	530
12	2860	2170	970	892	2560	2140	1910	1410	1790	1290	738	530
13	2840	2170	968	890	2540	2080	1850	1390	1760	1290	738	530
14	2810	2210	969	893	2520	2240	1790	1330	1750	1230	751	607
15	2790	2220	965	894	2460	2290	1690	1290	1780	1220	752	669
16	2770	2210	821	897	2390	2250	2040	1250	1760	1220	743	667
17	2840	2150	693	908	2370	2300	2110	1200	1690	1220	755	663
18	3010	2100	697	906	2370	2520	2070	1150	1630	1210	588	661
19	2980	2110	696	905	2370	2620	2030	1110	1560	1200	432	659
20	2860	2110	697	1230	2320	2610	1970	1070	1500	1050	432	656
21	2770	2160	698	1460	2230	2550	1940	1030	1470	991	434	693
22	2720	2160	643	1270	2160	2470	1910	992	1440	984	435	727
23	2650	2180	549	1130	2310	2410	1870	958	1410	979	433	731
24	2590	2110	551	1120	2360	2390	1800	925	1420	983	358	730
25	2510	2090	553	1130	2300	2410	1760	895	1430	984	277	725
26	2430	2100	553	1140	2260	2390	1750	869	1420	977	280	723
27	2370	2120	553	1190	2300	2340	1800	770	1410	813	283	723
28	2320	2150	555	1180	2320	2320	1980	687	1410	729	288	726
29	2290	2160	506	1170	---	2270	1900	792	1450	730	293	678
30	2210	2140	436	1170	---	2220	1830	837	1470	730	297	650
31	2140	---	425	1160	---	2130	---	913	---	729	296	---
TOTAL	85050	64440	27465	28666	65540	71210	58380	38268	49600	39289	17798	16511
MEAN	2744	2148	886	925	2341	2297	1946	1234	1653	1267	574	550
MAX	3020	2300	1760	1460	2830	2620	2110	1750	1900	1890	775	731
MIN	2140	1930	425	422	1160	2080	1690	687	1390	729	277	271
AC-FT	168700	127800	54480	56860	130000	141200	115800	75900	98380	77930	35300	32750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	1225	962	536	371	440	472	379	244	484	897	1032	1163
MAX	3311	4449	3548	2054	2741	2968	3136	1581	2998	4033	4377	3065
(WY)	1983	1970	1970	1970	1970	1970	1970	1969	1969	1968	1968	1969
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1989	1965	1965	1965	1964	1964

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1941 - 1993	
ANNUAL TOTAL	373395.00		562217			
ANNUAL MEAN	1020		1540		473	
HIGHEST ANNUAL MEAN					2422	1970
LOWEST ANNUAL MEAN					6.82	1964
HIGHEST DAILY MEAN	3200	Sep 25	3020	Oct 1	4810	Aug 10 1968
LOWEST DAILY MEAN*	.00	May 21	271	Sep 2	-38	Mar 28 1985
ANNUAL SEVEN-DAY MINIMUM	.00	May 21	281	Sep 1		
ANNUAL RUNOFF (AC-FT)	740600		1115000		342,700	
10 PERCENT EXCEEDS	2770		2520			
50 PERCENT EXCEEDS	519		1560			
90 PERCENT EXCEEDS	64		552			

*No flow for one or more days during the period
STATISTICS EDITED TO REPRESENT PERIOD OF RECORD

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°43'34", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on west bank of spillway, 100 ft southwest of control structure 12-C, and 33 mi west of Miami. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to September 1963, October 1965 to September 1976 (gage heights only), October 1963 to September 1965, October 1976 to current year.

GAGE.--Digital water-stage recorder, shaft encoder, and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. 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. Discharge is the total discharge through the S-12-C structure, from Conservation Area 3A. 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. Since March 16, 1990 data collection platform. Discharge records for missing periods were fragmentary or missing from the files of the Geological Survey.

COOPERATION.--Gate-opening records for S-12-C provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 19 complete water years of discharge (1964-65, 1977-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.36 ft Nov. 5-8, 10, 1969; minimum, 4.87 ft June 19, 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.17 ft Oct. 1; minimum, 8.28 ft Sept. 7, 8.

STATION NUMBER 02289041
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.16	9.70	9.14	8.41	8.91	9.71	9.64	9.47	9.17	9.36	8.98	8.36
2	10.14	9.67	9.02	8.41	8.92	9.69	9.65	9.44	9.18	9.36	8.98	8.31
3	10.11	9.65	9.01	8.41	8.95	9.63	9.65	9.41	9.18	9.36	8.97	8.31
4	10.09	9.62	9.00	8.41	8.96	9.61	9.62	9.39	9.18	9.34	8.95	8.30
5	10.11	9.60	9.00	8.41	8.98	9.63	9.64	9.38	9.20	9.34	8.95	8.30
6	10.11	9.61	9.00	8.50	9.02	9.64	9.64	9.37	9.20	9.31	8.94	8.30
7	10.09	9.63	8.99	8.69	9.02	9.64	9.63	9.36	9.20	9.27	8.93	8.29
8	10.07	9.64	8.89	8.69	9.51	9.64	9.61	9.38	9.45	9.28	8.92	8.29
9	10.06	9.65	8.67	8.75	9.91	9.63	9.59	9.36	9.57	9.14	8.92	8.42
10	10.05	9.70	8.63	8.75	9.88	9.62	9.61	9.33	9.55	9.01	8.81	8.55
11	10.03	9.75	8.61	8.74	9.83	9.61	9.60	9.31	9.53	9.01	8.65	8.56
12	10.02	9.76	8.60	8.74	9.79	9.58	9.57	9.30	9.51	9.00	8.65	8.56
13	9.99	9.77	8.60	8.74	9.79	9.56	9.55	9.29	9.50	9.00	8.66	8.56
14	9.97	9.79	8.60	8.74	9.78	9.63	9.51	9.26	9.50	9.00	8.66	8.60
15	9.96	9.79	8.59	8.74	9.76	9.65	9.46	9.23	9.53	9.00	8.65	8.65
16	9.95	9.78	8.58	8.75	9.73	9.63	9.64	9.21	9.52	9.00	8.66	8.65
17	9.99	9.68	8.55	8.75	9.72	9.65	9.67	9.18	9.48	8.99	8.66	8.66
18	10.06	9.59	8.54	8.75	9.73	9.74	9.65	9.15	9.45	8.98	8.60	8.66
19	10.06	9.58	8.53	8.75	9.73	9.80	9.63	9.13	9.41	8.97	8.50	8.66
20	10.01	9.58	8.53	8.81	9.70	9.80	9.60	9.10	9.37	8.96	8.49	8.66
21	9.98	9.61	8.52	8.89	9.66	9.78	9.58	9.08	9.35	8.97	8.49	8.72
22	9.95	9.61	8.52	8.89	9.63	9.75	9.57	9.06	9.34	8.97	8.49	8.80
23	9.93	9.62	8.50	8.88	9.70	9.74	9.55	9.03	9.32	8.97	8.48	8.81
24	9.91	9.47	8.50	8.87	9.73	9.73	9.51	9.00	9.33	8.96	8.43	8.81
25	9.88	9.23	8.50	8.88	9.70	9.75	9.48	8.98	9.34	8.96	8.39	8.81
26	9.85	9.21	8.49	8.89	9.68	9.75	9.48	8.96	9.33	8.96	8.38	8.82
27	9.82	9.21	8.49	8.91	9.71	9.73	9.50	8.97	9.33	8.95	8.38	8.82
28	9.80	9.21	8.49	8.91	9.72	9.73	9.59	8.98	9.32	8.95	8.39	8.84
29	9.79	9.21	8.46	8.91	---	9.71	9.55	9.00	9.34	8.95	8.39	8.82
30	9.76	9.21	8.40	8.91	---	9.69	9.51	9.01	9.35	8.96	8.39	8.79
31	9.73	---	8.40	8.91	---	9.66	---	9.10	---	8.98	8.39	---
TOTAL	309.43	287.13	268.35	270.79	267.15	300.11	287.48	285.22	281.03	281.26	268.13	257.69
MEAN	9.98	9.57	8.66	8.74	9.54	9.68	9.58	9.20	9.37	9.07	8.65	8.59
MAX	10.16	9.79	9.14	8.91	9.91	9.80	9.67	9.47	9.57	9.36	8.98	8.84
MIN	9.73	9.21	8.40	8.41	8.91	9.56	9.46	8.96	9.17	8.95	8.38	8.29

02289041 TAMIAMI CANAL BELOW S-12-C, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	812	595	543	150	340	557	567	509	425	790	337	73
2	815	584	337	151	335	548	569	495	402	792	338	67
3	808	563	339	151	327	522	568	480	395	790	335	69
4	805	607	341	151	322	520	553	476	393	774	333	70
5	828	656	342	151	314	542	556	465	391	768	328	70
6	837	663	343	206	297	553	558	456	392	742	324	71
7	841	680	344	276	290	559	555	452	393	706	319	72
8	840	699	222	272	470	566	539	458	460	712	319	72
9	843	695	174	278	751	571	529	440	523	494	321	147
10	848	718	176	284	728	570	540	425	514	309	249	197
11	848	759	177	284	697	572	529	408	504	312	184	196
12	854	767	178	283	667	562	516	400	493	314	185	196
13	853	773	178	283	659	561	502	393	486	313	184	196
14	851	781	178	284	652	609	482	374	486	311	187	186
15	852	785	177	284	632	628	459	359	500	316	187	175
16	843	778	178	285	609	623	559	346	495	319	182	174
17	864	698	180	289	601	642	583	329	475	319	187	173
18	904	624	182	288	601	707	573	316	454	316	139	173
19	893	625	181	287	597	732	563	307	432	312	107	173
20	856	627	182	317	578	729	549	295	416	318	107	172
21	830	643	182	334	555	710	542	284	405	324	108	214
22	811	641	182	334	531	687	539	275	395	322	108	251
23	793	652	184	334	568	672	528	265	385	323	108	254
24	774	664	184	333	581	663	508	255	390	326	92	254
25	747	708	185	333	563	667	498	246	392	326	77	252
26	724	715	185	338	547	661	498	239	384	323	78	250
27	703	720	185	348	557	645	514	240	383	328	78	250
28	685	729	185	344	563	639	570	280	381	338	80	251
29	675	732	170	340	---	623	547	334	387	339	81	233
30	652	725	149	340	---	607	530	355	390	332	82	222
31	628	---	148	340	---	582	---	391	---	330	82	---
TOTAL	24917	20606	6891	8672	14932	19029	16123	11347	12921	13638	5826	5153
MEAN	804	687	222	280	533	614	537	366	431	440	188	172
MAX	904	785	543	348	751	732	583	509	523	792	338	254
MIN	628	563	148	150	290	520	459	239	381	309	77	67
AC-FT	49420	40870	13670	17200	29620	37740	31980	22510	25630	27050	11560	10220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	376	315	172	133	137	145	85.5	53.8	83.6	217	254	330
MAX	1107	782	661	627	533	614	537	366	431	948	855	776
(WY)	1978	1978	1984	1984	1993	1993	1993	1993	1993	1982	1982	1992
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1964 - 1993	
ANNUAL TOTAL	103073.10		160055			
ANNUAL MEAN	282		439		197	
HIGHEST ANNUAL MEAN					439	1993
LOWEST ANNUAL MEAN					.000	1964
HIGHEST DAILY MEAN	904	Oct 18	904	Oct 18	2500	Jan 23 1970
LOWEST DAILY MEAN	.00	Jan 23	67	Sep 2	-49	Jul 14 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 23	70	Sep 2	-9.7	Jul 8 1990
ANNUAL RUNOFF (AC-FT)	204400		317500		142600	
10 PERCENT EXCEEDS	797		749		577	
50 PERCENT EXCEEDS	159		395		69	
90 PERCENT EXCEEDS	.00		174		.00	

254543080405400 TAMIAMI CANAL ABOVE S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank of Levee 29, 150 ft northwest of structure S-12-D, near east boundary of Indian Reservation along US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1981 to current year (gage heights only). Records prior to October 1981 are fragmentary or missing from files of the Geological Survey.

GAGE.--Satellite data collection platform with water-stage shaft encoder, and digital 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-D.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.45 ft Sept. 24, 1992 and Jan. 27, 1993; minimum, 5.16 ft June 19, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.45 ft Jan. 27; minimum, 8.99 ft May 26, 27.

STATION NUMBER 254543080405400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.29	9.81	10.09	10.13	10.36	9.81	9.73	9.53	9.77	9.44	9.30	9.52
2	10.28	9.78	10.05	10.15	10.33	9.78	9.74	9.50	9.73	9.44	9.29	9.60
3	10.24	9.75	10.05	10.15	10.28	9.72	9.74	9.47	9.72	9.45	9.28	9.65
4	10.22	9.79	10.04	10.15	10.25	9.71	9.71	9.46	9.71	9.43	9.26	9.67
5	10.24	9.81	10.04	10.15	10.21	9.74	9.71	9.45	9.74	9.43	9.24	9.70
6	10.24	9.83	10.05	10.16	10.13	9.75	9.72	9.44	9.74	9.36	9.23	9.71
7	10.23	9.84	10.04	10.15	10.09	9.75	9.72	9.44	9.75	9.30	9.21	9.72
8	10.21	9.86	10.05	10.12	10.03	9.74	9.68	9.46	9.72	9.30	9.20	9.74
9	10.19	9.86	10.06	10.23	9.99	9.73	9.66	9.43	9.69	9.28	9.20	9.75
10	10.18	9.94	10.05	10.30	9.96	9.71	9.68	9.40	9.67	9.27	9.21	9.74
11	10.16	10.03	10.07	10.30	9.92	9.71	9.68	9.37	9.65	9.27	9.23	9.74
12	10.15	10.03	10.07	10.28	9.88	9.67	9.65	9.36	9.63	9.26	9.23	9.74
13	10.12	10.04	10.05	10.29	9.88	9.67	9.63	9.34	9.62	9.26	9.24	9.73
14	10.10	10.07	10.05	10.30	9.87	9.75	9.59	9.31	9.61	9.26	9.26	9.72
15	10.08	10.07	10.04	10.31	9.85	9.75	9.54	9.29	9.60	9.27	9.26	9.72
16	10.07	10.06	10.03	10.32	9.81	9.72	9.72	9.26	9.55	9.27	9.25	9.72
17	10.09	10.03	10.04	10.37	9.80	9.73	9.77	9.24	9.50	9.26	9.26	9.72
18	10.17	10.03	10.05	10.35	9.81	9.83	9.76	9.21	9.46	9.24	9.28	9.71
19	10.17	10.03	10.04	10.34	9.82	9.88	9.73	9.18	9.42	9.23	9.30	9.71
20	10.12	10.03	10.04	10.33	9.79	9.88	9.70	9.15	9.39	9.23	9.29	9.69
21	10.08	10.07	10.03	10.28	9.75	9.86	9.68	9.13	9.37	9.25	9.30	9.68
22	10.06	10.07	10.04	10.28	9.72	9.83	9.67	9.10	9.36	9.24	9.30	9.67
23	10.04	10.09	10.05	10.28	9.80	9.82	9.64	9.08	9.35	9.24	9.29	9.69
24	10.02	10.10	10.06	10.26	9.83	9.81	9.60	9.05	9.36	9.24	9.31	9.69
25	9.99	10.11	10.06	10.27	9.80	9.83	9.57	9.03	9.36	9.23	9.37	9.68
26	9.96	10.10	10.06	10.34	9.77	9.83	9.56	9.00	9.35	9.23	9.37	9.68
27	9.94	10.11	10.05	10.43	9.80	9.83	9.58	9.02	9.34	9.23	9.41	9.68
28	9.91	10.14	10.06	10.39	9.82	9.82	9.66	9.19	9.36	9.25	9.45	9.69
29	9.90	10.14	10.09	10.36	---	9.81	9.62	9.36	9.42	9.26	9.49	9.76
30	9.87	10.13	10.10	10.36	---	9.78	9.58	9.41	9.43	9.27	9.51	9.78
31	9.84	---	10.08	10.36	---	9.75	---	9.60	---	9.30	9.49	---
TOTAL	313.16	299.75	311.68	318.49	278.35	303.00	290.02	288.26	286.37	287.99	288.31	291.00
MEAN	10.10	9.99	10.05	10.27	9.94	9.77	9.67	9.30	9.55	9.29	9.30	9.70
MAX	10.29	10.14	10.10	10.43	10.36	9.88	9.77	9.60	9.77	9.45	9.51	9.78
MIN	9.84	9.75	10.03	10.12	9.72	9.67	9.54	9.00	9.34	9.23	9.20	9.52

254543080405401 TAMIAMI CANAL BELOW S-12-D, NEAR MIAMI, FL

LOCATION.--Lat 25°45'43", long 80°40'54", T.54 S., R.36 E., Dade County, Hydrologic Unit 03090202, on south bank 100 ft southwest of structure 12-D, near east boundary of Indian Reservation on US 41. No section could be determined from existing maps.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1963 to September 1965, October 1975 to September 1977, October 1978 to September 1979, October 1980 to September 1981, (discharge only), October 1981 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, tipping bucket rain gage and digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. 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-D. Discharge is the total discharge through the S-12-D structure from Conservation Area 3A. The daily discharge computed from relations between discharge, head, and gate openings when flow is controlled by gates and computed by relation between stage and discharge under uncontrolled conditions. Discharge and stage record for missing periods were fragmentary or missing from the files of the Geological Survey. Since Oct. 1, 1989, satellite data collection platform. Rainfall data available in files of the Geological Survey.

COOPERATION.--Gate opening record for S-12-D provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 17 complete water years of discharge (1964-65, 1976-77, 1981-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.43 ft Sept. 24, 1992; minimum, 4.70 ft June 20, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.28 Oct. 1; minimum, 8.09 Sept. 5-9.

STATION NUMBER 254543080405401
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.27	9.78	9.54	8.26	9.01	9.79	9.71	9.52	9.29	9.43	8.55	8.25
2	10.25	9.75	9.24	8.26	9.37	9.76	9.72	9.49	9.71	9.43	8.54	8.14
3	10.22	9.72	9.23	8.26	9.70	9.70	9.72	9.46	9.70	9.44	8.53	8.13
4	10.20	9.76	9.22	8.26	9.69	9.69	9.69	9.45	9.70	9.42	8.65	8.11
5	10.22	9.79	9.22	8.26	9.87	9.72	9.69	9.44	9.72	9.42	8.73	8.10
6	10.22	9.73	9.21	8.40	10.09	9.73	9.70	9.42	9.73	9.34	8.73	8.10
7	10.21	9.70	9.21	8.65	10.05	9.72	9.70	9.43	9.72	9.28	8.73	8.09
8	10.19	9.72	9.16	8.65	10.01	9.72	9.66	9.45	9.70	9.28	8.72	8.10
9	10.17	9.72	9.08	8.71	9.96	9.71	9.64	9.41	9.67	9.20	8.73	8.23
10	10.17	9.79	9.08	8.72	9.94	9.69	9.66	9.38	9.65	9.16	8.66	8.37
11	10.14	9.86	9.07	8.72	9.90	9.69	9.66	9.35	9.63	9.16	8.56	8.37
12	10.13	9.86	9.07	8.71	9.86	9.65	9.64	9.34	9.61	9.15	8.56	8.37
13	10.10	9.88	9.06	8.71	9.86	9.65	9.61	9.33	9.60	9.15	8.57	8.37
14	10.08	9.90	9.06	8.71	9.85	9.72	9.57	9.30	9.59	9.12	8.57	8.53
15	10.06	9.90	9.05	8.72	9.83	9.73	9.52	9.27	9.59	9.11	8.56	8.73
16	10.05	9.88	8.88	8.73	9.79	9.70	9.70	9.25	9.53	9.10	8.55	8.74
17	10.07	9.86	8.69	8.73	9.78	9.71	9.75	9.23	9.48	9.09	8.57	8.74
18	10.15	9.85	8.68	8.73	9.79	9.82	9.73	9.20	9.44	9.08	8.59	8.74
19	10.15	9.85	8.67	8.73	9.80	9.87	9.71	9.17	9.41	9.07	8.59	8.74
20	10.10	9.85	8.66	8.93	9.77	9.87	9.68	9.15	9.37	9.03	8.59	8.74
21	10.06	9.88	8.66	9.20	9.73	9.84	9.65	9.12	9.35	9.02	8.59	8.74
22	10.04	9.89	8.55	9.02	9.70	9.81	9.65	9.09	9.34	9.01	8.59	8.76
23	10.02	9.90	8.40	8.81	9.78	9.79	9.62	9.06	9.33	9.01	8.58	8.77
24	10.00	9.84	8.39	8.80	9.81	9.79	9.58	9.04	9.34	9.01	8.45	8.77
25	9.97	9.76	8.38	8.80	9.78	9.81	9.55	9.01	9.34	9.01	8.33	8.77
26	9.94	9.75	8.37	8.82	9.75	9.81	9.54	8.99	9.32	9.00	8.33	8.77
27	9.92	9.75	8.36	8.89	9.78	9.80	9.56	8.90	9.32	8.75	8.33	8.77
28	9.89	9.76	8.36	8.96	9.80	9.80	9.65	8.77	9.34	8.55	8.33	8.78
29	9.88	9.77	8.32	8.95	---	9.78	9.60	8.85	9.40	8.54	8.34	8.80
30	9.85	9.76	8.26	8.98	---	9.75	9.56	8.84	9.41	8.55	8.34	8.80
31	9.81	---	8.25	9.00	---	9.72	---	8.92	---	8.56	8.33	---
TOTAL	312.53	294.21	273.38	270.08	274.05	302.34	289.42	285.63	285.33	281.47	264.82	255.42
MEAN	10.08	9.81	8.82	8.71	9.79	9.75	9.65	9.21	9.51	9.08	8.54	8.51
MAX	10.27	9.90	9.54	9.20	10.09	9.87	9.75	9.52	9.73	9.44	8.73	8.80
MIN	9.81	9.70	8.25	8.26	9.01	9.65	9.52	8.77	9.29	8.54	8.33	8.09

254543080405401 TAMIAMI CANAL BELOW S-12-D, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	887	692	703	160	466	681	645	540	515	533	192	155
2	880	673	538	161	714	664	650	522	615	532	193	152
3	856	653	540	161	941	620	649	506	607	537	192	156
4	846	686	542	160	921	615	627	499	608	528	172	158
5	878	705	543	161	875	644	633	493	624	523	158	160
6	891	772	545	237	897	654	638	489	629	484	156	160
7	889	783	545	337	856	656	634	492	626	445	154	161
8	879	783	531	333	809	652	610	508	609	495	153	162
9	876	791	526	339	773	653	595	485	585	510	153	203
10	881	814	525	345	765	638	609	469	570	482	185	222
11	870	851	529	346	741	642	605	458	561	475	228	222
12	865	848	531	345	723	617	591	451	546	472	228	222
13	847	842	529	345	736	622	573	445	537	481	227	221
14	838	869	529	346	744	678	549	431	534	530	231	283
15	834	878	526	347	733	690	514	424	531	581	233	340
16	826	878	445	347	715	665	646	415	498	576	233	339
17	851	851	368	351	709	682	684	400	475	578	231	337
18	947	842	370	350	706	774	671	379	459	576	235	336
19	950	846	370	350	713	819	651	362	446	570	239	335
20	902	841	370	517	689	808	634	349	435	490	239	333
21	871	853	371	624	655	788	618	335	432	460	239	330
22	858	858	309	489	628	755	614	321	431	454	240	327
23	843	864	203	383	688	735	594	307	431	448	239	328
24	829	836	204	382	710	728	570	296	438	449	197	327
25	811	835	205	383	681	741	553	287	446	450	154	325
26	790	842	205	389	662	742	546	280	443	447	155	325
27	772	852	205	453	683	735	559	301	444	278	157	326
28	760	869	206	481	690	725	625	330	462	185	160	327
29	758	873	187	477	---	707	597	368	502	187	163	335
30	732	865	159	471	---	686	568	387	516	189	165	338
31	709	---	158	468	---	654	---	420	---	190	164	---
TOTAL	26226	24445	12517	11038	20623	21470	18252	12749	15555	14135	6065	7945
MEAN	846	815	404	356	737	693	608	411	518	456	196	265
MAX	950	878	703	624	941	819	684	540	629	581	240	340
MIN	709	653	158	160	466	615	514	280	431	185	153	152
AC-FT	52020	48490	24830	21890	40910	42590	36200	25290	30850	28040	12030	15760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	258	202	96.2	65.1	133	110	81.3	58.1	88.5	178	175	233
MAX	1289	1060	567	510	1152	866	608	411	518	1406	1241	901
(WY)	1983	1983	1981	1979	1980	1983	1993	1993	1993	1982	1982	1980
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1965	1965	1965	1965	1964	1964

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1964 - 1993	
ANNUAL TOTAL	141544.00		191020			
ANNUAL MEAN	387		523		168	
HIGHEST ANNUAL MEAN					523	1993
LOWEST ANNUAL MEAN					.000	1976
HIGHEST DAILY MEAN	993	Sep 25	950	Oct 19	1640	Oct 5 1982
LOWEST DAILY MEAN*	.00	May 21	152	Sep 2	-16	Mar 28 1985
ANNUAL SEVEN-DAY MINIMUM	.00	May 21	157	Sep 1	-2.3	Mar 28 1985
ANNUAL RUNOFF (AC-FT)	280800		378900		121700	
10 PERCENT EXCEEDS	860		846		506	
50 PERCENT EXCEEDS	205		529		.00	
90 PERCENT EXCEEDS	64		193		.00	

* No flow for one or more days during the period of record

02289050 TAMIAMI CANAL ABOVE S-333 NEAR MIAMI, FL

LOCATION.--Lat 25°45'39", long 80°40'27", in SW1/4 sec.6, T.54 S., R.37 E., Dade County, Hydrologic Unit 03090202, on south bank of L-29 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), October 1981 to current year.

REVISED RECORDS.--WDR FL-87-2A: 1986.

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 fair except those for estimated daily discharge, which are poor. Flow is regulated by operation of control structure 333. Discharge computed from relations between discharge, head, and gate opening. Records prior to October 1981 are available in files of the South Florida Water Management District.

COOPERATION.--Control structure 333 gate-operation records provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.-- Figures represent 11 complete water years of discharge (1982-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.54 ft Sept. 24, 1992; minimum, 5.20 ft June 19, 1989 (estimated).

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 10.50 ft Jan. 27; minimum, 9.03 ft May 27.

CORRECTION.--The minimum gage height for 1992 water year was published in error as 3 ft, the corrected minimum is 7.43 ft, on June 2.

STATION NUMBER 02289050
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.37	9.88	10.16	10.16	10.41	9.89	9.78	9.60	9.82	9.51	9.33	9.56
2	10.36	9.85	10.12	10.19	10.38	9.86	9.80	9.57	9.79	9.51	9.32	9.63
3	10.33	9.82	10.12	10.19	10.33	9.79	9.79	9.54	9.78	9.52	9.31	9.68
4	10.30	9.87	10.11	10.18	10.30	9.78	9.76	9.52	9.78	9.50	9.29	9.69
5	10.33	9.89	10.11	10.18	10.26	9.81	9.77	9.51	9.79	9.50	9.26	9.72
6	10.33	9.90	10.12	10.20	10.19	9.82	9.78	9.50	9.81	9.42	9.25	9.73
7	10.32	9.92	10.11	10.19	10.15	9.82	9.77	9.50	9.81	9.34	9.23	9.74
8	10.29	9.93	10.11	10.15	10.11	9.81	9.74	9.53	9.79	9.34	9.22	9.76
9	10.28	9.94	10.12	10.27	10.06	9.80	9.71	9.48	9.76	9.33	9.22	9.77
10	10.27	10.02	10.11	10.34	10.04	9.79	9.74	9.45	9.73	9.32	9.23	9.75
11	10.24	10.11	10.12	10.34	9.99	9.78	9.73	9.42	9.72	9.32	9.24	9.75
12	10.23	10.11	10.12	10.33	9.96	9.74	9.71	9.41	9.70	9.31	9.24	9.75
13	10.20	10.12	10.11	10.33	9.96	9.71	9.68	9.40	9.68	9.31	9.24	9.74
14	10.18	10.15	10.11	10.33	9.95	9.82	9.65	9.36	9.67	9.31	9.27	9.74
15	10.16	10.16	10.09	10.34	9.92	9.83	9.60	9.34	9.66	9.32	9.26	9.74
16	10.15	10.14	10.08	10.36	9.89	9.81	9.79	9.31	9.60	9.32	9.25	9.75
17	10.17	10.12	10.09	10.41	9.88	9.79	9.84	9.29	9.55	9.30	9.28	9.74
18	10.25	10.12	10.10	10.39	9.88	9.91	9.82	9.25	9.52	9.28	9.31	9.73
19	10.24	10.11	10.09	10.39	9.89	9.96	9.79	9.23	9.48	9.27	9.32	9.72
20	10.19	10.11	10.08	10.37	9.86	9.97	9.77	9.20	9.44	9.27	9.32	9.71
21	10.16	10.15	10.08	10.33	9.82	9.95	9.74	9.17	9.42	9.29	9.32	9.70
22	10.14	10.16	10.08	10.33	9.79	9.91	9.73	9.15	9.41	9.28	9.32	9.70
23	10.12	10.18	10.09	10.33	9.87	9.89	9.70	9.13	9.41	9.28	9.30	9.71
24	10.10	10.18	10.10	10.30	9.90	9.87	9.66	9.10	9.41	9.27	9.33	9.71
25	10.06	10.18	10.10	10.32	9.87	9.89	9.64	9.07	9.41	9.26	9.39	9.70
26	10.04	10.17	10.10	10.38	9.85	9.91	9.62	9.05	9.40	9.25	9.39	9.70
27	10.01	10.18	10.09	10.48	9.88	9.91	9.64	9.07	9.39	9.26	9.43	9.70
28	9.99	10.20	10.11	10.44	9.90	9.90	9.72	9.23	9.42	9.27	9.48	9.71
29	9.98	10.21	10.13	10.40	---	9.89	9.68	9.40	9.48	9.28	9.52	9.78
30	9.94	10.20	10.14	10.40	---	9.86	9.64	9.45	9.49	9.30	9.54	9.80
31	9.91	---	10.12	10.41	---	9.83	---	9.63	---	9.32	9.53	---
TOTAL	315.64	302.08	313.32	319.76	280.29	305.30	291.79	289.86	288.12	289.36	288.94	291.61
MEAN	10.18	10.07	10.11	10.31	10.01	9.85	9.73	9.35	9.60	9.33	9.32	9.72
MAX	10.37	10.21	10.16	10.48	10.41	9.97	9.84	9.63	9.82	9.52	9.54	9.80
MIN	9.91	9.82	10.08	10.15	9.79	9.71	9.60	9.05	9.39	9.25	9.22	9.56

02289050 TAMIAMI CANAL ABOVE S-333 NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	824	355	504	498	824	752	767	.00	.00	714	353
2	458	819	591	504	568	820	783	762	.00	.00	702	319
3	602	814	589	503	701	807	805	758	.00	.00	692	322
4	602	732	588	503	752	809	799	758	.00	.00	689	324
5	604	690	587	504	746	814	801	758	.00	.00	687	326
6	603	692	586	236	737	815	800	756	.00	450	673	328
7	603	694	586	.00	732	815	800	788	.00	739	671	329
8	601	696	648	.00	727	847	793	813	.00	705	68	328
9	599	696	726	.00	720	868	789	805	.00	686	667	495
10	599	399	726	.00	717	855	795	801	.00	684	668	592
11	597	.00	726	.00	711	864	793	798	.00	674	668	588
12	677	.00	725	.00	744	855	790	797	.00	672	659	584
13	732	.00	725	.00	817	803	787	842	.00	671	655	583
14	729	.00	804	.00	837	803	780	865	.00	671	662	594
15	727	.00	857	.00	832	777	770	858	526	674	665	607
16	727	.00	854	.00	827	715	753	853	781	674	666	607
17	730	.00	854	.00	869	673	727	860	804	674	675	607
18	739	.00	856	.00	896	683	728	883	811	672	575	607
19	736	.00	853	.00	897	691	725	891	804	670	512	607
20	729	.00	852	.00	894	693	722	888	798	670	515	606
21	727	.00	851	.00	888	692	721	881	795	674	517	606
22	725	.00	772	176	882	686	764	874	795	673	518	606
23	725	.00	692	306	841	685	787	863	792	672	518	607
24	723	.00	695	304	822	686	780	860	785	670	442	608
25	720	.00	695	305	818	685	778	855	784	669	375	607
26	717	.00	695	307	817	688	810	852	780	670	376	608
27	713	.00	694	417	821	690	829	691	776	697	177	608
28	711	.00	696	499	824	690	754	593	298	715	.00	609
29	711	.00	600	496	---	737	703	605	.00	715	.00	617
30	776	.00	502	496	---	763	741	613	.00	714	186	621
31	831	---	501	497	---	771	---	348	---	713	393	---
TOTAL	20881	7056.00	21481	6557.00	21935	23604	23159	24336	10329.00	17568.00	15985.00	15803
MEAN	674	235	693	212	783	761	772	785	344	567	516	527
MAX	831	824	857	504	897	868	829	891	811	739	714	621
MIN	408	.00	355	.00	498	673	703	348	.00	.00	.00	319
AC-FT	41420	14000	42610	13010	43510	46820	45940	48270	20490	34850	31710	31350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1993, BY WATER YEAR (WY)

MEAN	325	285	174	131	204	218	352	312	137	278	378	272
MAX	739	689	693	535	783	761	851	1208	346	733	792	655
(WY)	1986	1985	1993	1988	1993	1993	1983	1985	1985	1986	1985	1991
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.90
(WY)	1982	1982	1982	1982	1982	1989	1989	1982	1982	1983	1987	1983

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1982 - 1993	
ANNUAL TOTAL	114200.00		208694.00			
ANNUAL MEAN	312		572		256	
HIGHEST ANNUAL MEAN					572	1993
LOWEST ANNUAL MEAN					51.8	1989
HIGHEST DAILY MEAN	1050	Aug 12	897	Feb 19	1610	May 14 1985
LOWEST DAILY MEAN	.00	May 27	.00	Nov 11	.00	Oct 1 1981
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 26	.00	Nov 11	.00	Oct 1 1981
ANNUAL RUNOFF (AC-FT)	226500		413900		185400	
10 PERCENT EXCEEDS	853		830		755	
50 PERCENT EXCEEDS	155		686		142	
90 PERCENT EXCEEDS	.00		.00		.00	

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

LOCATION.--Lat 25°45'40", long 80°33'40", in SE1/4 sec.6, T.54 S., R.38 E., Dade County, Hydrologic Unit 03090202, on south bank of L-29, 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, non-recording gage at datum 0.80 ft lower; Aug. 27, 1942 to Feb. 21, 1952, non-recording 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).

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 53 complete water years of discharge (1941-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.76 ft Nov. 1, 1960; minimum, 1.66 ft May 13, 14, 1971.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.70 ft May 31; minimum, 6.97 ft Dec. 1.

STATION NUMBER 02289060
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.22	7.44	7.13	7.30	7.24	7.47	7.52	7.53	7.56	7.20	7.57	7.32
2	e7.25	7.44	7.28	7.30	7.27	7.47	7.52	7.52	7.49	7.18	7.55	7.31
3	e7.35	7.44	7.30	7.30	7.33	7.46	7.52	7.51	7.44	7.15	7.53	7.31
4	e7.33	7.45	7.30	7.31	7.37	7.47	7.52	7.51	7.39	7.11	7.52	7.30
5	e7.33	7.44	7.31	7.31	7.38	7.48	7.55	7.50	7.35	7.08	7.51	7.30
6	e7.34	7.43	7.31	7.24	7.39	7.49	7.54	7.50	7.34	7.24	7.50	7.28
7	e7.33	7.42	7.31	7.11	7.39	7.49	7.53	7.50	7.31	7.45	7.49	7.27
8	e7.33	7.42	7.34	7.08	7.39	7.50	7.52	7.51	7.26	7.45	7.49	7.30
9	e7.32	7.43	7.38	7.17	7.39	7.51	7.53	7.50	7.22	7.45	7.50	7.40
10	e7.32	7.39	7.39	7.20	7.39	7.51	7.54	7.49	7.18	7.46	7.50	7.46
11	e7.31	7.24	7.40	7.17	7.39	7.51	7.53	7.49	7.14	7.51	7.50	7.48
12	e7.36	7.21	7.39	7.15	7.41	7.50	7.53	7.50	7.10	7.51	7.54	7.52
13	e7.41	7.18	7.40	7.12	7.43	7.58	7.52	7.52	7.07	7.51	7.57	7.50
14	e7.42	7.15	7.43	7.10	7.44	7.53	7.51	7.54	7.04	7.52	7.57	7.51
15	7.40	7.11	7.46	7.11	7.45	7.51	7.50	7.52	7.27	7.52	7.55	7.53
16	7.40	7.08	7.48	7.12	7.45	7.47	7.57	7.52	7.46	7.51	7.54	7.53
17	7.40	7.06	7.48	7.09	7.47	7.48	7.54	7.52	7.48	7.50	7.56	7.53
18	7.41	7.10	7.48	7.06	7.48	7.55	7.52	7.53	7.49	7.49	7.54	7.52
19	7.41	7.09	7.48	7.04	7.47	7.51	7.51	7.54	7.49	7.49	7.46	7.51
20	7.40	7.11	7.49	7.02	7.47	7.52	7.50	7.54	7.51	7.49	7.44	7.51
21	7.39	7.17	7.49	7.00	7.48	7.52	7.50	7.53	7.51	7.50	7.42	7.50
22	7.38	7.14	7.46	7.05	7.48	7.50	7.51	7.51	7.52	7.49	7.41	7.50
23	7.39	7.13	7.41	7.13	7.50	7.50	7.52	7.50	7.52	7.48	7.39	7.51
24	7.38	7.12	7.40	7.13	7.47	7.49	7.51	7.50	7.55	7.48	7.38	7.50
25	7.38	7.10	7.40	7.14	7.47	7.51	7.49	7.50	7.56	7.47	7.38	7.49
26	7.38	7.08	7.40	7.18	7.48	7.52	7.51	7.49	7.57	7.47	7.37	7.49
27	7.38	7.06	7.40	7.20	7.48	7.51	7.56	7.42	7.58	7.49	7.29	7.49
28	7.38	7.04	7.39	7.24	7.47	7.50	7.56	7.45	7.49	7.51	7.16	7.49
29	7.37	7.01	7.35	7.24	---	7.51	7.51	7.55	7.28	7.52	7.14	7.48
30	7.40	6.99	7.28	7.24	---	7.52	7.52	7.55	7.23	7.54	7.18	7.48
31	7.44	---	7.28	7.24	---	7.52	---	7.61	---	7.56	7.32	---
TOTAL	228.31	216.47	228.80	222.09	207.83	232.61	225.71	232.90	221.40	230.33	230.87	223.32
MEAN	7.36	7.22	7.38	7.16	7.42	7.50	7.52	7.51	7.38	7.43	7.45	7.44
MAX	7.44	7.45	7.49	7.31	7.50	7.58	7.57	7.61	7.58	7.56	7.57	7.53
MIN	7.22	6.99	7.13	7.00	7.24	7.46	7.49	7.42	7.04	7.08	7.14	7.27

e Estimated

02289060 TAMIAMI CANAL OUTLETS, LEVEE 30 TO LEVEE 67A, NEAR MIAMI, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	•606	830	437	524	644	1010	932	961	40	35	825	481
2	•687	826	764	543	725	999	949	925	31	30	766	456
3	•934	825	772	541	919	974	955	900	25	27	687	462
4	•855	879	753	572	1040	1030	934	896	21	24	651	443
5	•842	816	740	587	1040	1070	1000	873	18	21	627	431
6	•819	786	716	439	1040	1100	971	847	17	203	601	405
7	•778	763	694	178	1020	1090	919	872	14	526	572	381
8	•751	748	745	127	987	1140	894	916	11	540	572	412
9	•703	783	854	166	924	1210	936	877	8.7	521	622	427
10	•677	674	857	186	896	1210	990	839	6.4	545	619	494
11	•636	322	830	166	867	1210	920	798	4.7	686	607	535
12	•763	267	778	149	901	1140	896	818	3.3	703	735	633
13	•900	234	756	134	970	1380	875	911	2.2	694	820	594
14	•930	206	838	123	982	1040	839	961	1.4	726	817	604
15	828	175	913	126	961	932	796	918	462	724	755	673
16	832	152	921	132	931	793	1060	911	902	695	696	668
17	828	147	937	116	1020	828	927	902	928	678	660	693
18	820	180	988	102	1040	959	863	945	918	650	578	667
19	811	178	986	93	1010	828	838	994	893	612	407	642
20	777	205	1010	88	1030	869	829	989	898	618	361	650
21	762	277	1040	84	1050	850	829	936	883	624	331	640
22	726	258	934	160	1060	808	860	880	843	606	310	637
23	711	253	742	331	1160	779	905	828	819	594	285	674
24	709	245	730	333	1020	759	847	832	872	583	278	658
25	709	232	750	350	999	865	788	812	896	561	267	635
26	696	221	758	414	1050	935	879	807	866	557	262	665
27	676	217	744	506	1050	909	1070	535	875	609	197	670
28	651	204	755	638	1000	858	1080	269	596	669	131	665
29	643	188	641	647	---	893	900	187	107	664	150	662
30	734	179	472	644	---	949	928	89	57	730	263	657
31	871	---	474	650	---	932	---	66	---	804	495	---
TOTAL	23665	12270	24329	9849	27336	30349	27409	24294	12018.7	16259	15947	17314
MEAN	763	409	785	318	976	979	914	784	401	524	514	577
MAX	934	879	1040	650	1160	1380	1080	994	928	804	825	693
MIN	606	147	437	84	644	759	788	66	1.4	21	131	381
AC-FT	46940	24340	48260	19540	54220	60200	54370	48190	23840	32250	31630	34340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1993, BY WATER YEAR (WY)

MEAN	214	196	132	96.4	102	90.6	113	95.3	78.1	161	218	200
MAX	763	624	785	503	976	979	914	784	401	828	897	694
(WY)	1993	1986	1993	1988	1993	1993	1993	1993	1993	1986	1992	1991
MIN	48.0	46.9	23.4	1.99	.90	.000	-.77	-2.61	-.37	-.55	1.58	18.0
(WY)	1981	1972	1974	1990	1990	1974	1964	1964	1965	1965	1965	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1941 - 1993	
ANNUAL TOTAL	138066.76		241039.7			
ANNUAL MEAN	377		660		224	
HIGHEST ANNUAL MEAN					1330	1958
LOWEST ANNUAL MEAN					16.5	1943
HIGHEST DAILY MEAN	1470	Jul 23	1380	Mar 13	1470	Jul 23 1992
LOWEST DAILY MEAN	.00	May 23	1.4	Jun 14	-7.0	May 11 1964
ANNUAL SEVEN-DAY MINIMUM	.00	May 23	5.4	Jun 8	-5.9	May 7 1964
INSTANTANEOUS PEAK FLOW			1970	Mar 13		
ANNUAL RUNOFF (AC-FT)	273900		478100		162288	
10 PERCENT EXCEEDS	1020		992			
50 PERCENT EXCEEDS	183		734			
90 PERCENT EXCEEDS	23		150			

• Estimated

DATA BASE CONTAINS WATER YEARS 1964-93. PERIOD OF RECORD STATISTICS REVISED

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

LOCATION.--Lat 25°55'31", long 80°27'17", in NE1/4 sec.17, T.52 S., R.39 E., Dade County, Hydrologic Unit 03090202, (Pennsuco quadrangle), at east end of 319 ft culvert, 1.4 mi southwest of Miami Canal, 2 mi west of Golden Glades Canal, 2.1 mi southwest of junction of State Road 997 and U.S. Highway 27, 3.1 mi north of Pennsuco Canal, and 5.1 mi northwest of Pennsuco.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1991 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder with acoustic velocity meter located at the east end of a 14 ft diameter, 319 ft long culvert in the N.W. Wellfield Canal. Datum of gage is National Geodetic Vertical Datum of 1929. (Benchmark provided by DERM).

REMARKS.--Records good above 20 cfs, below 20 cfs are poor (due to seepage from control structure). Flow regulated by Dade-Broward control structure No. 1 located at the west end of a 14 ft diameter, 319 ft long culvert. Positive figures indicate flow to the east and is occasionally reversed.

COOPERATION.--Dade County Department of Environmental Resource Management (DERM).

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent no complete water years of discharge.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.88 ft Oct. 8, 1991; minimum, 1.52 ft June 3, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 5.32 ft Nov. 22; minimum, 3.46 ft May 27.

STATION NUMBER 02289096
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	4.41	4.00	4.57	3.59	4.46	5.05	6.59
2	---	---	---	---	---	4.32	3.93	4.31	3.55	4.55	5.05	6.59
3	---	---	---	---	---	4.33	3.90	3.75	3.51	4.51	5.04	6.61
4	---	---	---	---	---	4.53	4.54	3.58	3.47	4.53	5.05	6.64
5	---	---	---	---	---	4.47	4.52	3.44	3.42	4.52	5.08	6.63
6	---	---	---	---	---	4.38	4.45	3.52	3.55	4.47	5.11	6.59
7	---	---	---	---	---	4.06	4.40	3.47	3.93	4.43	5.09	6.56
8	---	---	---	---	4.20	4.12	4.35	3.38	4.29	4.40	5.12	6.58
9	---	---	---	---	4.08	4.39	4.30	3.35	4.33	4.38	5.13	6.61
10	---	---	---	---	4.00	4.39	4.25	3.30	4.42	4.38	5.10	6.64
11	---	---	---	---	3.93	4.38	4.20	3.25	4.32	4.40	5.11	6.66
12	---	---	---	---	3.85	4.36	4.16	3.20	4.23	4.38	5.68	6.67
13	---	---	---	---	3.80	4.37	4.12	3.17	4.17	4.39	6.37	6.66
14	---	---	---	---	3.75	4.46	4.09	---	4.12	4.47	6.37	6.65
15	---	---	---	---	3.86	4.44	4.06	---	4.07	4.53	6.44	6.63
16	---	---	---	---	4.15	4.35	3.99	---	4.03	4.53	6.49	6.63
17	---	---	---	---	4.20	4.36	3.95	3.47	4.09	4.55	6.49	6.62
18	---	---	---	---	4.22	4.32	3.95	3.86	4.07	4.50	6.49	6.61
19	---	---	---	---	4.21	4.29	3.96	3.62	4.16	4.46	6.48	6.59
20	---	---	---	---	4.17	4.25	4.20	3.56	4.26	4.48	6.49	6.57
21	---	---	---	---	4.14	4.22	4.29	3.61	4.24	4.53	6.50	6.57
22	---	---	---	---	4.14	4.19	4.24	3.75	4.17	4.65	6.56	6.57
23	---	---	---	---	4.13	4.20	4.20	3.94	4.13	4.77	6.58	6.57
24	---	---	---	---	4.12	4.19	4.14	3.90	4.27	4.78	6.58	6.57
25	---	---	---	---	4.13	4.17	4.20	3.81	4.33	4.83	6.60	6.57
26	---	---	---	---	4.22	4.13	4.77	3.78	4.31	4.83	6.60	6.63
27	---	---	---	---	4.26	4.09	4.85	3.77	4.31	4.91	6.59	6.62
28	---	---	---	---	4.36	4.06	4.74	3.73	4.24	4.97	6.58	6.59
29	---	---	---	---	---	4.04	4.69	3.70	4.21	4.98	6.59	6.58
30	---	---	---	---	---	4.02	4.62	3.66	4.27	5.05	6.60	6.58
31	---	---	---	---	---	4.01	---	3.63	---	5.06	6.60	---
TOTAL	---	---	---	---	---	132.30	128.06	---	122.06	142.68	185.61	198.18
MEAN	---	---	---	---	---	4.27	4.27	---	4.07	4.60	5.99	6.61
MAX	---	---	---	---	---	4.53	4.85	---	4.42	5.06	6.60	6.67
MIN	---	---	---	---	---	4.01	3.90	---	3.42	4.38	5.04	6.56

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	e200	193	194	e3.0	e7.5	6.2	138
2	---	---	---	---	---	e223	190	123	e3.0	e6.8	6.7	138
3	---	---	---	---	---	e233	187	.84	e3.0	6.8	5.5	142
4	---	---	---	---	---	e247	153	.99	e3.0	6.6	5.1	142
5	---	---	---	---	---	e241	180	5.2	3.0	8.5	5.5	136
6	---	---	---	---	---	e227	180	5.6	3.6	e8.4	5.2	136
7	---	---	---	---	---	e189	180	7.8	3.6	e8.4	5.4	139
8	---	---	---	---	203	e206	e181	4.0	3.3	e8.3	5.4	138
9	---	---	---	---	179	e243	e183	2.6	3.9	8.3	4.8	137
10	---	---	---	---	171	e243	e179	-.55	4.1	8.0	4.6	140
11	---	---	---	---	167	e245	176	-1.4	4.8	7.0	3.9	141
12	---	---	---	---	151	e244	174	-1.2	e5.5	6.7	92	141
13	---	---	---	---	147	e231	174	3.5	e6.0	e6.7	e188	140
14	---	---	---	---	155	e199	177	---	6.80	e7.3	173	139
15	---	---	---	---	176	e195	175	---	e7.0	e7.2	143	138
16	---	---	---	---	215	e183	172	---	e7.5	e8.2	136	139
17	---	---	---	---	217	e183	168	1.0	e8.0	e8.1	136	138
18	---	---	---	---	218	e187	170	1.8	8.2	e8.0	135	137
19	---	---	---	---	215	207	174	3.2	7.3	8.0	134	139
20	---	---	---	---	208	201	181	2.0	7.4	e7.9	134	137
21	---	---	---	---	205	202	191	-1.5	7.4	e7.9	135	137
22	---	---	---	---	e185	205	195	2.7	7.6	e7.8	137	137
23	---	---	---	---	e183	208	192	4.1	7.3	7.7	136	135
24	---	---	---	---	e184	209	190	3.2	e7.4	7.7	134	135
25	---	---	---	---	e184	206	186	3.10	7.5	7.3	136	132
26	---	---	---	---	e187	203	209	e3.0	7.8	7.1	139	131
27	---	---	---	---	e191	203	214	e3.0	7.8	6.6	139	132
28	---	---	---	---	e198	201	207	e3.0	7.3	7.0	139	133
29	---	---	---	---	---	199	206	e3.0	8.8	7.1	137	132
30	---	---	---	---	---	201	196	e3.0	e8.0	6.3	140	133
31	---	---	---	---	---	200	---	e3.0	---	7.8	141	---
TOTAL	---	---	---	---	---	6564	5533	---	178.90	233.0	2842.3	4112
MEAN	---	---	---	---	---	212	184	---	5.96	7.52	91.7	137
MAX	---	---	---	---	---	247	214	---	8.8	8.5	188	142
MIN	---	---	---	---	---	183	153	---	3.0	6.3	3.9	131
AC-FT	---	---	---	---	---	13020	10970	---	355	462	5640	8160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1991, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	212	184	---	5.96	7.52	91.7	137
MAX	---	---	---	---	---	212	184	---	5.96	7.52	91.7	137
(WY)	---	---	---	---	---	1991	1991	---	1991	1991	1991	1991
MIN	---	---	---	---	---	212	184	---	5.96	7.52	91.7	137
(WY)	---	---	---	---	---	1991	1991	---	1991	1991	1991	1991

e Estimated

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.69	5.49	6.42	6.10	6.03	5.66	4.10	3.87	1.74	4.72	4.00	5.02
2	6.68	5.46	6.41	6.10	6.02	5.62	4.07	3.85	1.66	4.64	3.97	4.98
3	6.67	5.44	6.40	6.10	6.00	5.58	4.12	3.84	1.58	4.56	3.95	4.97
4	6.66	6.26	6.38	6.10	5.98	4.97	4.19	3.82	1.93	4.49	3.93	5.02
5	6.64	6.63	6.36	6.10	6.01	4.26	4.14	3.80	2.01	4.45	4.07	5.01
6	6.63	6.62	6.35	6.08	6.01	4.18	4.10	3.77	2.21	4.56	4.26	4.98
7	6.66	6.61	6.34	6.06	6.00	4.18	4.08	3.74	2.25	4.51	4.40	4.95
8	6.72	6.60	6.34	6.05	6.00	4.23	4.06	3.71	2.45	4.46	4.66	4.91
9	6.83	6.58	6.33	6.04	5.99	4.16	4.07	3.70	2.47	4.39	4.60	4.88
10	6.38	6.57	6.33	6.03	6.00	4.12	4.18	3.67	2.38	4.32	4.53	4.87
11	5.70	6.56	6.32	6.02	5.99	4.10	4.25	3.64	2.43	4.29	4.46	4.86
12	5.66	6.54	6.31	6.03	6.00	4.08	4.29	3.62	2.43	4.26	4.38	4.85
13	5.62	6.52	6.30	6.02	5.95	4.09	4.13	3.59	2.61	4.24	4.31	4.87
14	5.59	6.52	6.30	6.03	5.94	4.09	3.99	3.57	2.95	4.21	5.13	4.89
15	5.58	6.52	6.28	6.01	5.94	4.08	3.97	3.54	3.71	4.17	5.75	4.92
16	5.56	6.51	6.25	5.99	5.94	4.06	3.95	3.51	3.49	4.13	5.85	4.89
17	5.53	6.50	6.24	5.98	5.93	4.04	3.97	3.48	3.41	4.15	5.90	4.92
18	5.50	6.49	6.23	5.98	5.90	4.03	4.00	3.44	3.31	4.19	5.92	5.01
19	5.49	6.48	6.20	5.99	5.88	4.02	4.09	3.39	3.23	4.18	5.39	5.01
20	5.48	6.47	6.18	---	5.85	4.00	4.46	3.35	3.25	4.18	4.88	5.00
21	5.49	6.46	6.18	5.94	5.80	3.98	4.34	3.32	3.51	4.20	4.81	4.99
22	5.58	6.46	6.18	5.94	---	3.98	4.16	3.29	3.35	4.28	4.81	5.01
23	5.46	6.45	6.17	5.99	---	4.23	4.09	3.25	3.37	4.24	4.73	5.02
24	5.46	6.43	6.16	6.06	---	4.44	4.05	3.23	3.82	4.18	5.06	5.06
25	5.59	6.39	6.16	6.05	5.74	4.34	4.01	3.19	4.11	4.12	5.16	5.10
26	5.62	6.38	6.15	6.05	5.74	4.29	3.98	3.16	4.38	4.07	5.12	5.10
27	5.60	6.37	6.14	6.03	5.70	4.25	3.96	3.13	4.46	4.03	5.08	5.06
28	5.58	6.37	6.15	6.02	5.68	4.18	3.93	3.06	4.69	4.01	5.04	5.04
29	5.55	6.39	6.16	6.02	5.67	4.07	3.91	2.48	4.71	4.00	5.01	5.02
30	5.53	6.43	6.14	6.05	---	4.07	3.89	1.89	4.80	3.98	5.07	4.99
31	5.51	---	6.10	6.04	---	4.15	---	1.77	---	3.97	5.06	---
TOTAL	183.24	191.50	193.96	---	---	133.53	122.53	104.67	92.70	132.18	149.29	149.20
MEAN	5.91	6.38	6.26	---	---	4.31	4.08	3.38	3.09	4.26	4.82	4.97
MAX	6.83	6.63	6.42	---	---	5.66	4.46	3.87	4.80	4.72	5.92	5.10
MIN	5.46	5.44	6.10	---	---	3.98	3.89	1.77	1.58	3.97	3.93	4.85

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	e8.9	116	117	119	107	7.2	6.5	3.0	5.2	11	7.6
2	127	e8.6	118	117	120	105	7.4	5.8	2.6	5.5	11	8.3
3	125	e8.7	118	118	121	101	7.8	5.2	2.7	5.8	11	8.1
4	120	---	117	120	e116	50	4.2	4.7	2.5	6.3	11	8.5
5	e118	122	116	118	e119	5.6	e4.5	4.3	2.6	6.8	10	8.9
6	e117	124	117	119	121	6.8	4.7	4.5	2.6	6.4	11	7.8
7	119	128	120	116	118	7.5	4.6	3.3	4.4	6.6	11	8.4
8	122	126	114	116	118	5.3	e4.6	3.6	5.1	7.1	8.3	9.0
9	120	123	116	119	118	5.9	e6.0	2.7	6.1	7.7	8.9	8.7
10	51	124	116	119	117	6.9	8.2	1.8	4.3	8.5	9.5	8.5
11	3.5	122	117	118	e118	5.9	e4.6	1.2	5.0	8.7	9.3	8.2
12	5.9	119	117	118	e117	5.1	4.4	2.2	4.0	9.0	11	8.8
13	6.0	121	119	119	e115	4.1	5.0	1.4	4.6	8.9	10	9.0
14	6.4	122	120	e120	e114	4.1	5.3	2.8	5.2	9.1	273	8.6
15	9.1	119	117	e120	e113	3.6	5.4	3.6	5.6	10	365	8.5
16	6.6	e120	118	116	e113	5.2	6.0	2.0	6.2	10	345	8.7
17	7.0	e120	118	118	e113	6.8	6.2	.78	7.4	9.5	330	8.9
18	7.6	e120	117	118	e113	7.2	6.5	.54	8.0	10	331	8.7
19	6.7	e119	120	119	e112	8.0	5.8	.62	8.2	10	123	8.9
20	6.9	e119	121	e116	e111	4.4	7.9	-.14	8.0	10	8.6	8.6
21	11	e119	118	e115	e110	4.5	6.3	-.24	7.9	9.9	9.3	8.3
22	20	e118	114	116	e107	4.8	6.5	-.66	7.9	10	9.5	8.0
23	7.1	e118	117	118	e107	5.3	3.6	-1.4	9.0	11	9.4	8.1
24	6.7	e117	117	119	e107	6.3	2.4	-1.6	7.0	11	7.8	8.1
25	6.8	e117	116	122	107	5.5	2.2	-.88	6.3	10	7.8	8.2
26	8.4	117	117	119	106	4.4	2.4	-.91	7.0	11	7.7	8.2
27	8.6	117	117	121	105	3.4	3.3	-.19	3.8	11	7.4	8.3
28	8.6	117	120	121	105	4.7	4.5	-.16	3.9	11	6.7	9.2
29	7.9	116	119	120	106	e5.5	6.4	1.9	2.9	11	7.3	8.5
30	9.3	117	120	121	---	6.4	5.9	2.9	5.2	10	6.0	7.9
31	8.6	---	116	120	---	5.7	---	2.9	---	10	6.7	---
TOTAL	1320.7	---	3643	3673	3286	511.9	159.8	59.06	159.0	277.0	1994.2	253.5
MEAN	42.6	---	118	118	113	16.5	5.33	1.91	5.30	8.94	64.3	8.45
MAX	133	---	121	122	121	107	8.2	6.5	9.0	11	365	9.2
MIN	3.5	---	114	115	105	3.4	2.2	-1.6	2.5	5.2	6.0	7.6
AC-FT	2620	---	7230	7290	6520	1020	317	117	315	549	3960	503

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	42.6	---	118	118	113	114	94.9	1.91	5.63	8.23	78.0	72.8
MAX	42.6	---	118	118	113	212	184	1.91	5.96	8.94	91.7	137
(WY)	1992	---	1992	1992	1992	1991	1991	1992	1991	1992	1991	1991
MIN	42.6	---	118	118	113	16.5	5.33	1.91	5.30	7.52	64.3	8.45
(WY)	1992	---	1992	1992	1992	1992	1992	1992	1992	1991	1992	1992

SUMMARY STATISTICS	WATER YEARS 1991 - 1992	
HIGHEST DAILY MEAN	365	Aug 15 1992
LOWEST DAILY MEAN	-1.6	May 24 1992
ANNUAL SEVEN-DAY MINIMUM	-.84	May 21 1992
10 PERCENT EXCEEDS	185	
50 PERCENT EXCEEDS	9.5	
90 PERCENT EXCEEDS	3.3	

e Estimated

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.99	4.60	5.13	4.84	4.95	4.57	4.72	4.23	4.80	4.66	4.95	4.63
2	5.05	4.59	5.11	4.87	4.93	4.54	4.66	4.21	4.76	4.74	4.92	4.84
3	5.12	4.57	5.08	4.90	4.90	4.52	4.61	4.20	4.74	4.71	4.88	4.90
4	5.10	4.96	5.06	4.94	4.88	4.51	4.58	4.18	4.72	4.66	4.82	4.87
5	5.06	5.07	5.04	4.95	4.87	4.46	4.62	4.15	4.75	4.59	4.76	4.88
6	5.02	5.04	5.02	4.94	4.86	4.43	4.58	4.13	4.81	---	4.71	4.81
7	5.00	5.03	5.00	4.94	4.86	4.41	4.55	4.09	4.77	---	4.65	4.73
8	4.98	5.05	4.99	4.96	4.84	4.39	4.52	4.06	4.71	---	4.61	4.72
9	4.95	5.06	4.97	5.09	4.82	4.36	4.53	4.02	4.65	4.59	4.62	4.75
10	4.93	5.23	4.97	5.18	4.80	4.33	4.55	3.97	4.59	4.57	4.68	4.76
11	4.91	5.26	4.95	5.19	4.79	4.30	4.51	3.93	4.57	4.58	4.68	4.73
12	4.88	5.26	4.93	5.18	4.77	4.28	4.48	3.94	4.52	4.58	4.79	4.71
13	4.87	5.23	4.91	5.16	4.74	4.54	4.44	3.92	4.48	4.66	4.92	4.65
14	4.85	5.20	4.89	5.14	4.71	4.52	4.41	3.87	4.43	4.72	4.96	4.76
15	4.82	5.17	4.87	5.15	4.69	4.47	4.39	3.83	4.46	4.79	4.92	4.92
16	4.81	5.14	4.86	5.17	4.67	4.47	4.67	3.80	4.58	4.76	4.88	4.95
17	4.81	5.11	4.84	5.17	4.63	4.53	4.68	---	4.62	4.71	4.85	4.94
18	4.85	5.14	4.83	5.15	4.60	4.84	4.64	---	4.61	4.65	4.80	4.90
19	4.84	5.11	4.82	5.13	4.57	---	4.59	3.73	4.56	4.62	4.74	---
20	4.82	5.19	4.80	5.12	4.55	4.90	4.55	3.72	4.53	4.65	4.68	4.78
21	4.78	5.25	4.79	5.11	4.53	4.92	4.51	3.67	4.50	4.69	4.63	4.73
22	4.76	5.31	4.78	5.09	4.51	4.91	4.46	3.63	4.50	4.71	4.61	4.68
23	4.73	5.30	4.76	5.07	4.66	4.89	4.43	3.61	4.48	---	4.55	4.65
24	4.71	5.29	4.75	5.06	4.64	4.87	4.40	3.58	4.49	4.90	4.52	4.63
25	4.70	5.27	4.76	5.07	4.60	4.87	4.38	3.55	4.58	4.87	4.60	4.64
26	4.69	5.25	4.75	5.09	4.61	4.88	4.36	3.53	4.63	4.84	4.71	4.66
27	4.67	5.23	4.76	5.06	4.64	---	4.34	3.49	4.66	4.84	4.71	---
28	4.66	5.22	4.74	5.04	4.60	---	4.31	3.66	4.66	4.87	4.68	---
29	4.65	5.19	4.72	5.02	---	4.80	4.28	3.81	4.63	4.90	4.68	4.59
30	4.64	5.16	4.71	5.00	---	4.77	4.25	3.93	4.59	4.95	4.65	4.54
31	4.62	---	4.72	4.98	---	4.75	---	4.50	---	4.96	4.62	---
TOTAL	150.27	153.48	151.31	156.76	132.22	---	135.00	---	138.38	---	146.78	---
MEAN	4.85	5.12	4.88	5.06	4.72	---	4.50	---	4.61	---	4.73	---
MAX	5.12	5.31	5.13	5.19	4.95	---	4.72	---	4.81	---	4.96	---
MIN	4.62	4.57	4.71	4.84	4.51	---	4.25	---	4.43	---	4.52	---

02289096 N.W. WELLFIELD CANAL AT CONSERVATION AREA NO. 3, NEAR PENNSUCO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	6.5	6.3	7.0	e5.0	4.0	e7.0	9.9	12	21	18	7.8
2	8.1	7.5	7.2	5.8	5.8	4.5	e7.3	9.9	6.0	28	22	5.7
3	9.3	7.6	7.5	5.4	5.4	6.6	7.5	9.7	8.3	e24	15	6.2
4	8.3	7.7	8.3	5.6	5.9	2.5	7.4	10	6.4	e19	18	6.2
5	5.3	8.5	7.9	7.3	6.2	3.8	7.7	---	8.6	e21	17	6.6
6	5.9	9.0	7.9	6.4	6.3	e4.0	11	---	8.2	---	7.6	6.6
7	7.3	9.0	9.2	6.9	e6.0	4.8	10	---	6.4	---	11	6.6
8	7.6	9.8	7.9	5.5	e5.0	4.6	8.8	---	7.6	---	6.1	6.9
9	6.8	9.1	7.3	3.8	5.0	3.7	9.0	---	9.8	18	6.0	6.9
10	8.1	8.8	8.8	4.3	5.9	5.5	9.9	---	8.1	22	7.8	6.5
11	8.0	7.0	5.7	6.0	7.8	3.7	7.8	---	8.3	14	28	---
12	8.6	8.0	5.8	6.7	6.3	5.6	6.3	---	7.4	13	25	---
13	8.8	7.8	7.2	5.6	4.5	3.1	6.9	---	11	7.5	10	---
14	8.5	7.5	7.7	4.6	1.1	4.6	8.7	---	7.6	6.6	5.2	---
15	8.5	6.3	8.2	5.6	4.6	5.0	7.6	---	8.8	7.0	5.8	---
16	8.3	5.0	8.5	5.4	6.0	6.0	8.4	---	7.9	6.4	5.4	---
17	8.6	5.0	8.0	3.9	5.3	e6.3	11	---	7.7	11	5.3	---
18	8.2	5.7	8.0	4.7	5.1	e6.5	11	---	7.9	19	5.8	---
19	8.2	5.3	7.3	3.2	2.2	e6.5	10	11	8.5	8.4	8.7	---
20	9.9	6.5	7.5	5.1	6.3	e6.5	10	12	8.6	6.1	5.8	---
21	10	7.5	7.4	5.7	6.3	e6.0	9.6	9.0	7.7	7.6	6.0	17
22	8.6	8.6	7.1	7.8	8.1	e6.3	12	8.9	11	5.9	7.5	16
23	7.4	7.7	7.6	3.5	4.9	e6.4	11	8.0	9.5	e7.0	6.9	6.9
24	5.9	7.4	6.6	3.9	3.9	6.5	8.8	7.9	9.3	6.2	17	6.9
25	6.3	7.4	7.0	6.3	4.9	6.8	9.0	8.2	8.9	8.3	6.3	7.0
26	6.2	7.1	6.7	4.2	e5.0	6.6	9.4	9.5	11	7.4	6.3	7.0
27	6.4	5.9	6.4	2.9	e8.0	5.6	10	9.5	10	12	6.8	e8.0
28	6.3	5.1	5.2	4.7	e6.0	e5.7	11	12	8.5	6.0	6.7	e6.0
29	6.5	4.3	5.0	5.1	---	e5.9	12	12	15	22	6.7	6.7
30	7.6	5.2	5.4	5.0	---	e6.5	12	11	17	23	7.4	6.8
31	6.5	---	5.7	e5.0	---	6.7	---	---	---	25	7.2	---
TOTAL	237.6	213.8	222.3	162.9	152.8	166.8	278.1	---	273.0	---	318.3	---
MEAN	7.66	7.13	7.17	5.25	5.46	5.38	9.27	---	9.10	---	10.3	---
MAX	10	9.8	9.2	7.8	8.1	6.8	12	---	17	---	28	---
MIN	5.3	4.3	5.0	2.9	1.1	2.5	6.3	---	6.0	---	5.2	---
AC-FT	471	424	441	323	303	331	552	---	541	---	631	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1993, BY WATER YEAR (WY)

MEAN	25.1	7.13	62.3	61.9	60.3	77.9	66.3	1.91	6.79	8.23	55.4	72.8
MAX	42.6	7.13	118	118	113	212	184	1.91	9.10	8.94	91.7	137
(WY)	1992	1993	1992	1992	1992	1991	1991	1992	1993	1992	1991	1991
MIN	7.66	7.13	7.17	5.25	5.46	5.38	5.33	1.91	5.30	7.52	10.3	8.45
(WY)	1993	1993	1993	1993	1993	1993	1992	1992	1992	1991	1993	1992

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		WATER YEARS 1991 - 1993	
ANNUAL TOTAL	11047.16			
ANNUAL MEAN	30.2			
HIGHEST DAILY MEAN	365	Aug 15	365	Aug 15 1992
LOWEST DAILY MEAN	-1.6	May 24	-1.6	May 24 1992
ANNUAL SEVEN-DAY MINIMUM	-.84	May 21	-.84	May 21 1992
ANNUAL RUNOFF (AC-FT)	21910			
10 PERCENT EXCEEDS	118		141	
50 PERCENT EXCEEDS	7.8		8.1	
90 PERCENT EXCEEDS	3.6		4.1	

e Estimated

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL

LOCATION.--Lat 25°45'43", long 80°19'42", in SW1/4 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 Canal, 2.5 mi west of Coral Gables City limits, 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.

REVISED RECORDS.--WDR FL-87-2A: 1986.

GAGE.--Water-stage shaft encoder, acoustic velocity meter, and satellite data collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. January 1940 to June 1943, non-recording gage at same site at datum 0.22 ft lower.

REMARKS.--Record 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 acoustic velocity metering system and stage. Records of gage height prior to October 1960 are available in files of the Geological Survey.

COOPERATION.--Records of salinity-control structure operation provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 31 complete water years of discharge (1941, 42, 1960-83, 1985-88, 1990).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 6.38 ft Aug. 18, 1981; minimum, 1.08 ft May 31, 1962.

EXTREME STAGES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known, 8.49 ft Oct. 12, 1947, present datum, from non recording gage reading.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.60 ft Nov. 18; minimum,1.79 ft Mar. 29.

STATION NUMBER 02289500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	3.25	2.18	3.26	2.98	3.07	2.73	3.32	3.24	3.48	3.10	3.01
2	---	3.10	2.69	3.13	2.97	2.91	2.82	3.32	2.92	3.50	3.31	3.42
3	---	2.86	3.00	3.07	2.96	2.88	2.89	3.32	2.71	3.56	3.13	3.23
4	---	3.15	3.16	3.01	2.95	2.88	2.94	3.31	2.56	3.48	3.09	3.26
5	---	2.73	3.27	3.11	3.06	---	3.04	3.20	2.63	3.52	3.06	3.28
6	2.74	2.66	3.34	3.32	3.24	---	3.10	3.02	2.69	3.64	3.30	---
7	2.72	3.10	3.00	3.27	3.26	---	3.14	3.15	---	3.56	---	---
8	2.72	3.16	3.04	3.33	3.23	---	3.17	3.17	---	3.66	---	---
9	2.67	3.10	3.27	3.56	3.22	---	3.14	3.16	---	3.34	---	2.71
10	2.95	3.24	3.20	3.51	3.14	---	2.88	3.15	---	3.48	---	2.67
11	3.15	3.14	3.04	3.29	3.28	---	3.02	3.13	---	3.35	3.18	2.67
12	3.05	2.93	3.27	3.18	3.15	---	3.15	3.15	3.03	3.25	3.16	2.64
13	3.15	2.78	3.33	3.32	2.99	---	3.19	3.16	3.15	3.40	3.24	2.72
14	3.15	2.63	3.03	3.36	2.92	---	3.21	3.15	3.22	3.36	3.41	2.71
15	3.24	2.49	3.24	3.29	2.89	---	3.20	3.13	3.37	3.30	3.34	2.67
16	3.16	2.54	3.33	3.29	2.88	2.57	3.27	3.10	3.20	3.41	3.30	2.65
17	3.24	3.04	3.11	3.27	3.04	2.53	3.18	3.08	3.33	3.31	3.25	2.63
18	3.20	4.07	2.84	3.22	3.23	2.75	3.11	3.06	3.43	3.40	3.36	2.69
19	3.03	3.53	3.05	3.17	3.18	2.71	2.93	3.06	3.44	3.35	3.37	2.70
20	3.02	3.48	3.24	3.13	3.05	2.72	3.08	3.12	3.28	3.43	3.36	2.70
21	3.26	3.45	3.32	3.16	3.24	2.56	3.33	3.11	3.18	3.39	3.24	2.70
22	3.26	3.47	3.36	3.33	3.10	2.38	3.11	3.08	3.37	3.24	3.34	2.68
23	3.20	3.14	3.03	3.14	3.10	2.26	3.25	3.05	3.41	3.27	3.24	2.65
24	3.17	2.92	3.22	3.15	3.01	2.15	3.37	3.02	3.48	3.36	3.31	2.68
25	3.17	2.72	3.35	3.21	2.95	2.07	3.12	2.99	3.25	3.30	3.24	2.70
26	3.16	2.54	3.15	3.00	2.94	2.02	3.24	2.97	3.11	3.37	3.33	2.63
27	3.24	2.40	3.09	3.22	2.94	1.97	3.33	2.94	2.92	3.36	3.32	2.63
28	3.08	2.26	3.10	3.17	3.17	1.91	3.06	2.96	2.92	3.39	3.27	2.70
29	3.23	2.13	3.34	3.22	---	1.92	3.23	3.01	3.28	3.28	3.20	2.69
30	3.09	2.05	3.06	3.09	---	2.36	3.30	2.92	3.47	3.25	3.25	2.71
31	3.19	---	3.07	3.02	---	2.60	---	3.12	---	3.14	3.15	---
TOTAL	---	88.06	96.72	99.80	86.07	---	93.53	96.43	---	105.13	---	---
MEAN	---	2.94	3.12	3.22	3.07	---	3.12	3.11	---	3.39	---	---
MAX	---	4.07	3.36	3.56	3.28	---	3.37	3.32	---	3.66	---	---
MIN	---	2.05	2.18	3.00	2.88	---	2.73	2.92	---	3.14	---	---

02289500 TAMIAMI CANAL NEAR CORAL GABLES, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	29	108	---	200	170	76	75	e233	e200	e400	223
2	e169	58	58	---	205	180	79	76	---	e229	e351	153
3	e170	77	52	---	205	175	73	71	---	179	303	248
4	e170	e134	48	---	201	e199	75	64	---	172	293	206
5	e170	e150	44	---	161	---	56	98	---	199	278	141
6	e170	e200	54	---	131	---	67	126	---	218	166	e190
7	e170	105	113	---	141	---	78	59	---	297	e147	e200
8	e170	122	91	---	143	---	e110	56	---	326	e200	e211
9	173	125	59	---	141	---	---	59	---	350	e250	162
10	117	215	85	---	165	---	---	55	---	183	e301	141
11	106	219	108	---	128	---	---	51	---	286	320	168
12	142	202	69	---	175	---	---	52	---	e264	e373	167
13	114	184	73	---	186	---	---	49	---	e212	e350	151
14	116	180	116	---	184	---	---	41	---	269	e350	160
15	77	168	78	---	179	---	---	45	---	267	e350	e248
16	118	132	69	---	181	e204	---	46	---	232	e291	e200
17	138	66	110	---	119	231	---	46	---	269	297	e150
18	139	138	131	---	87	286	---	44	---	224	236	e100
19	136	181	e136	e201	128	240	---	46	---	226	241	e75
20	123	148	---	196	139	241	---	47	---	221	224	e46
21	69	169	---	169	91	250	---	41	---	331	249	88
22	69	183	---	157	154	234	---	39	---	333	204	124
23	70	185	---	227	183	226	---	42	---	275	218	74
24	78	174	---	179	192	212	---	47	---	346	196	125
25	78	166	---	188	193	232	---	e48	---	327	257	120
26	72	160	---	214	172	209	e125	e50	---	375	258	50
27	50	158	---	163	187	179	115	e50	---	422	254	70
28	78	146	---	168	101	193	178	e48	---	e508	244	94
29	26	146	---	167	---	178	109	30	---	e450	239	66
30	53	131	---	200	---	92	83	65	---	e450	209	83
31	27	---	---	200	---	79	---	198	---	e450	267	---
TOTAL	3531	4451	---	---	4472	---	---	1864	---	9090	8316	4234
MEAN	114	148	---	---	160	---	---	60.1	---	293	268	141
MAX	173	219	---	---	205	---	---	198	---	508	400	248
MIN	26	29	---	---	87	---	---	30	---	172	147	46
AC-FT	7000	8830	---	---	8870	---	---	3700	---	18030	16490	8400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1993, BY WATER YEAR (WY)

MEAN	181	158	151	136	121	104	76.9	80.1	143	154	146	179
MAX	398	376	346	380	329	304	286	283	303	485	295	432
(WY)	1961	1960	1961	1961	1961	1983	1960	1979	1969	1991	1981	1960
MIN	37.1	12.8	33.4	25.9	4.11	10.4	-5.43	-54.5	7.03	35.3	39.1	33.5
(WY)	1990	1990	1990	1989	1991	1990	1975	1991	1974	1990	1965	1989

SUMMARY STATISTICS	WATER YEARS 1940 - 1993	
ANNUAL MEAN	138	
HIGHEST ANNUAL MEAN	288	1960
LOWEST ANNUAL MEAN	30.8	1990
HIGHEST DAILY MEAN	975	Jul 3 1991
LOWEST DAILY MEAN	-259	May 22 1991
ANNUAL SEVEN-DAY MINIMUM	-127	May 17 1991
ANNUAL RUNOFF (AC-FT)	100300	
10 PERCENT EXCEEDS	266	
50 PERCENT EXCEEDS	116	
90 PERCENT EXCEEDS	23	

e Estimated

254315080331500 NORTHEAST SHARK RIVER SLOUGH NO. 2 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°43'15", long 80°33'15", in SW1/4 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.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.55 ft Aug. 20, 1988; minimum, 3.41 ft estimated Apr. 23, 1979.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.46 ft June 1; minimum, 6.82 ft Feb.3-4.

STATION NUMBER 254315080331500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.87	6.91	6.84	6.92	6.84	6.96	7.06	7.03	7.44	7.10	7.04	7.02
2	6.88	6.91	6.83	6.95	6.83	6.96	7.04	7.02	7.41	7.08	7.04	7.02
3	6.92	6.91	6.84	6.95	6.83	6.96	7.03	7.01	7.36	7.06	7.02	7.03
4	6.93	6.99	6.85	6.95	6.83	6.96	7.03	7.00	7.30	7.02	7.00	7.02
5	6.93	7.03	6.86	6.97	6.83	6.96	7.05	6.99	7.27	6.99	6.98	7.01
6	6.92	7.02	6.86	6.99	6.85	6.96	7.04	6.97	7.26	6.95	6.96	6.99
7	6.91	7.02	6.87	6.99	6.87	6.96	7.03	6.96	7.22	6.95	6.96	7.00
8	6.91	7.02	6.87	6.97	6.87	6.95	7.02	6.96	7.18	6.96	6.94	7.03
9	6.91	7.03	6.87	7.05	6.86	6.95	7.03	6.95	7.13	6.95	6.95	7.08
10	6.91	7.11	6.88	7.10	6.87	6.95	7.05	6.94	7.09	6.95	6.96	7.06
11	6.91	7.14	6.89	7.08	6.87	6.95	7.04	6.93	7.05	7.00	6.96	7.08
12	6.91	7.11	6.88	7.05	6.87	6.95	7.04	6.93	7.01	7.04	6.96	7.13
13	6.91	7.08	6.89	---	6.87	7.06	7.03	6.94	6.97	7.06	7.00	7.11
14	6.91	7.06	6.90	---	6.87	7.07	7.01	6.93	6.94	7.08	7.05	7.10
15	6.90	7.02	6.90	---	6.87	7.05	7.00	6.92	6.93	7.07	7.04	7.11
16	6.91	6.99	6.91	---	6.87	7.04	7.11	6.91	6.95	7.06	7.03	7.11
17	6.91	6.97	6.92	---	6.88	7.06	7.11	6.91	6.95	7.04	7.03	7.10
18	6.91	7.02	6.93	---	6.88	7.16	7.08	6.91	6.95	7.03	7.05	7.09
19	6.91	7.00	6.94	---	6.88	7.15	7.07	6.93	6.95	7.01	7.04	7.08
20	6.92	7.03	6.94	---	6.88	7.15	7.05	6.92	6.96	7.02	7.01	7.07
21	6.91	7.06	6.94	---	6.89	7.14	7.04	6.91	6.96	7.02	6.99	7.05
22	6.91	7.04	6.94	---	6.90	7.12	7.03	6.90	6.97	7.00	6.97	7.06
23	6.90	7.02	6.94	---	6.97	7.11	7.01	6.89	7.01	7.00	6.95	7.08
24	6.90	7.01	6.94	6.84	6.96	7.10	7.00	6.88	7.08	6.99	6.96	7.06
25	6.90	6.99	6.94	6.85	6.96	7.10	7.00	6.87	7.12	6.97	7.03	7.04
26	6.90	6.96	6.94	6.88	6.96	7.12	6.99	6.86	7.14	6.96	7.03	7.04
27	6.90	6.95	6.94	6.87	6.97	7.11	7.02	6.85	7.17	6.96	7.03	7.04
28	6.90	6.92	6.93	6.85	6.96	7.09	7.08	6.99	7.18	6.96	7.03	7.04
29	6.90	6.88	6.93	6.85	---	7.08	7.06	7.20	7.16	6.97	7.04	7.03
30	6.90	6.86	6.91	6.84	---	7.07	7.04	7.21	7.12	7.00	7.01	7.01
31	6.91	---	6.91	6.84	---	7.07	---	7.33	---	7.03	7.02	---
TOTAL	214.12	210.06	213.93	---	192.79	218.32	211.19	215.95	213.23	217.28	217.08	211.69
MEAN	6.91	7.00	6.90	---	6.89	7.04	7.04	6.97	7.11	7.01	7.00	7.06
MAX	6.93	7.14	6.94	---	6.97	7.16	7.11	7.33	7.44	7.10	7.05	7.13
MIN	6.87	6.86	6.83	---	6.83	6.95	6.99	6.85	6.93	6.95	6.94	6.99

254130080380500 NORTHEAST SHARK RIVER SLOUGH NO. 1 NEAR COOPERTOWN, FL

LOCATION.--Lat 25°41'30", long 80°38'05" in NW1/4 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.--Satellite data collection platform, water-stage shaft encoder, and tipping bucket rain gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records have been revised to correct datum in the daily values files of the Geological Survey to original M.P. elevation prior to GPS levels. Rainfall data available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.14 ft Aug. 20, 1988; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.48 ft May 31 to June 1; minimum, 6.83 ft Feb. 3-6.

STATION NUMBER 254130080380500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.93	6.92	6.95	6.92	6.85	6.96	7.08	7.10	7.47	7.15	7.03	7.05
2	6.94	6.92	6.94	6.94	6.85	6.96	7.06	7.08	7.43	7.12	7.02	7.07
3	6.97	6.92	6.92	6.95	6.84	6.97	7.04	7.07	7.38	7.10	7.01	7.08
4	6.96	6.99	6.90	6.98	6.83	6.98	7.04	7.05	7.34	7.09	6.99	7.06
5	6.94	7.02	6.90	7.02	6.83	6.97	7.07	7.04	7.31	7.06	6.98	7.05
6	6.93	7.02	6.89	7.06	6.84	6.96	7.05	7.02	7.30	7.03	6.96	7.03
7	6.93	7.03	6.90	7.05	6.85	6.96	7.04	7.01	7.27	7.00	6.94	7.03
8	6.93	7.04	6.90	7.04	6.85	6.96	7.04	7.00	7.24	7.00	6.93	7.10
9	6.93	7.05	6.90	7.12	6.85	6.96	7.06	6.98	7.20	6.99	6.93	7.16
10	6.92	7.13	6.91	7.16	6.86	6.96	7.07	6.98	7.16	6.99	6.94	7.12
11	6.92	7.18	6.90	7.13	6.87	6.96	7.05	6.97	---	7.00	6.94	7.11
12	6.93	7.17	6.89	7.11	6.88	6.96	7.05	6.96	---	7.04	6.94	7.15
13	6.92	7.14	6.89	7.08	6.87	7.07	7.04	6.96	---	7.08	6.96	7.13
14	6.92	7.11	6.89	7.05	6.86	7.05	7.03	6.96	7.01	7.11	7.03	7.14
15	6.92	7.07	6.89	7.06	6.87	7.04	7.03	6.95	6.98	7.11	7.03	7.15
16	6.92	7.05	6.90	7.07	6.88	7.05	7.11	6.94	6.98	7.09	7.02	7.14
17	6.92	7.02	6.91	7.04	6.88	7.09	7.11	6.93	6.98	7.07	7.04	7.13
18	6.93	7.06	6.91	7.03	6.88	7.18	7.09	6.94	6.96	7.05	7.05	7.11
19	6.94	7.05	6.92	7.01	6.87	7.16	7.09	6.96	6.95	7.03	7.03	7.11
20	6.94	7.05	6.92	6.97	6.88	7.17	7.08	6.95	6.95	7.03	7.02	7.09
21	6.93	7.09	6.92	6.96	6.89	7.17	7.06	6.94	6.94	7.03	7.00	7.07
22	6.93	7.10	6.93	6.94	6.90	7.17	7.05	6.93	6.97	7.03	6.99	7.06
23	6.93	7.10	6.93	6.93	6.96	7.15	7.04	6.93	7.00	7.02	6.96	7.06
24	6.93	7.10	6.93	6.92	6.96	7.13	7.03	6.93	7.06	7.01	6.98	7.06
25	6.93	7.08	6.93	6.89	6.97	7.15	7.03	6.91	7.11	7.00	7.07	7.06
26	6.92	7.07	6.93	6.94	6.97	7.17	7.02	6.91	7.14	6.99	7.06	7.07
27	6.92	7.05	6.93	6.93	6.97	7.15	7.06	6.89	7.18	6.98	7.06	7.08
28	6.92	7.02	6.92	6.92	6.97	7.13	7.20	6.96	7.19	6.98	7.06	7.07
29	6.92	6.98	6.92	6.92	---	7.11	7.16	7.16	7.18	6.98	7.05	7.06
30	6.92	6.96	6.91	6.91	---	7.09	7.13	7.23	7.16	7.01	7.05	7.04
31	6.92	---	6.91	6.91	---	7.09	---	7.35	---	7.02	7.07	---
TOTAL	214.81	211.49	214.29	216.96	192.78	218.88	212.01	216.99	---	218.19	217.14	212.64
MEAN	6.93	7.05	6.91	7.00	6.88	7.06	7.07	7.00	---	7.04	7.00	7.09
MAX	6.97	7.18	6.95	7.16	6.97	7.18	7.20	7.35	---	7.15	7.07	7.16
MIN	6.92	6.92	6.89	6.89	6.83	6.96	7.02	6.89	---	6.98	6.93	7.03

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., between hiatus of unsurveyed area, Dade County, Hydrologic Unit 03090202, 5.8 mi south of US 41 on the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to present year (gage heights).

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

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 8.24 ft Oct. 6, 1988, minimum, 3.50 ft Apr. 8, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.62 ft Oct. 2; minimum, 6.75 ft Dec. 30, 31, Jan. 1.

STATION NUMBER 254100080402400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.60	7.40	7.27	6.76	6.95	7.37	---	7.41	7.51	7.44	7.21	7.03
2	7.59	7.38	7.25	6.78	6.95	7.38	---	7.40	7.48	7.43	7.19	7.05
3	7.60	7.37	7.23	6.78	6.96	7.38	---	7.38	7.46	7.43	7.17	7.06
4	7.60	7.41	7.20	6.80	7.00	---	---	7.37	7.45	7.43	7.14	7.04
5	7.60	7.42	7.18	6.82	7.03	---	---	7.36	7.47	7.42	7.12	7.02
6	7.58	7.41	7.15	6.83	7.08	---	---	7.35	7.49	7.41	7.11	7.00
7	7.57	7.40	7.14	6.83	7.13	---	---	7.34	7.53	7.41	7.10	6.99
8	7.56	7.39	7.12	6.83	7.18	7.37	---	7.34	7.50	7.42	7.10	7.01
9	7.55	7.38	7.11	6.96	7.20	7.37	---	7.33	7.47	7.42	7.11	7.03
10	7.54	7.40	7.10	7.01	7.23	7.37	---	7.32	7.45	7.43	7.12	7.02
11	7.53	7.43	7.08	7.00	7.27	7.37	---	7.31	7.44	7.50	7.12	7.01
12	7.53	7.42	7.06	6.99	7.31	7.37	---	7.30	7.43	7.49	7.13	7.02
13	7.51	7.42	7.04	6.98	7.33	7.53	---	7.31	7.43	7.45	7.16	7.00
14	7.50	7.42	7.02	6.96	7.33	7.51	---	7.30	7.42	7.43	7.17	7.01
15	7.49	7.40	7.01	6.95	7.32	7.44	---	7.29	7.43	7.41	7.15	7.04
16	7.48	7.38	7.00	6.97	7.32	7.40	---	7.28	7.46	7.39	7.13	7.06
17	7.48	7.37	6.98	6.96	7.32	7.41	---	7.27	7.46	7.36	7.13	7.08
18	7.52	7.39	6.96	6.95	7.31	7.48	---	7.27	7.45	7.34	7.15	7.08
19	7.54	7.38	6.94	6.94	7.29	7.46	---	7.27	7.42	7.33	7.13	7.09
20	7.52	7.38	6.92	6.93	7.28	7.46	---	7.25	7.41	7.34	7.11	7.09
21	7.50	7.40	6.91	6.92	7.29	7.46	---	7.23	7.39	7.32	7.09	7.09
22	7.48	7.43	6.89	6.93	7.31	7.46	---	7.22	7.38	7.32	7.07	7.09
23	7.47	7.45	6.87	6.95	7.37	7.45	7.41	7.20	7.38	7.37	7.06	7.10
24	7.47	7.45	6.85	6.94	7.36	---	7.39	7.19	7.39	7.33	7.05	7.11
25	7.46	7.43	6.84	6.94	7.35	---	7.38	7.17	7.43	7.30	7.06	7.12
26	7.45	7.40	6.83	7.00	7.36	---	7.38	7.16	7.46	7.28	7.06	7.14
27	7.44	7.37	6.81	6.99	7.38	---	7.42	7.15	7.48	7.27	7.05	7.17
28	7.44	7.34	6.79	6.96	7.37	---	7.50	7.21	7.47	7.25	7.04	7.17
29	7.43	7.31	6.78	6.96	---	---	7.46	7.35	7.44	7.24	7.03	7.18
30	7.42	7.29	6.76	6.96	---	---	7.44	7.37	7.43	7.23	7.04	7.18
31	7.41	---	6.75	6.96	---	---	---	7.44	---	7.23	7.04	---
TOTAL	232.86	221.82	216.84	214.54	202.58	---	---	226.14	223.41	228.42	220.34	212.08
MEAN	7.51	7.39	6.99	6.92	7.23	---	---	7.29	7.45	7.37	7.11	7.07
MAX	7.60	7.45	7.27	7.01	7.38	---	---	7.44	7.53	7.50	7.21	7.18
MIN	7.41	7.29	6.75	6.76	6.95	---	---	7.15	7.38	7.23	7.03	6.99

254100080402200 NORTHEAST SHARK RIVER SLOUGH EAST OF L 67 EXT. NEAR RICHMOND HEIGHTS, FL

LOCATION.--Lat 25°41'00", long 80°40'22", in NW1/4 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.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.67 ft Aug. 20, 21, 1988; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.41 ft May 31, June 1; minimum, 6.25 ft Feb. 3.

STATION NUMBER 254100080402200
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.98	6.93	6.90	6.80	6.78	7.01	7.10	7.12	7.39	7.16	7.05	7.03
2	6.98	6.93	6.90	6.84	6.76	7.00	7.09	7.11	7.35	7.15	7.04	7.03
3	7.00	6.94	6.88	6.85	6.76	7.00	7.07	7.09	7.33	7.14	7.02	7.06
4	7.00	7.00	6.88	6.89	6.76	7.02	7.07	7.07	7.29	7.13	7.00	---
5	6.99	7.03	6.87	6.91	6.77	7.00	7.09	7.05	7.26	7.11	6.98	---
6	6.98	7.02	6.86	6.95	6.78	6.99	7.09	7.03	7.25	7.09	6.97	---
7	6.97	7.03	6.86	6.93	6.80	7.00	7.07	7.02	7.25	7.09	6.95	---
8	6.97	7.03	6.86	6.92	6.80	7.01	7.07	7.02	7.22	7.09	6.94	---
9	6.97	7.04	6.86	7.01	6.82	6.99	7.08	7.01	7.19	7.07	6.95	---
10	6.96	7.10	6.86	7.04	6.84	7.00	7.10	7.01	7.16	7.07	6.95	---
11	6.96	7.14	6.84	7.03	6.86	7.00	7.07	6.99	7.13	7.11	6.95	---
12	6.96	7.13	6.82	7.00	6.86	7.01	7.08	6.98	7.11	7.13	6.95	---
13	6.95	7.10	6.82	6.99	6.86	7.08	7.06	6.97	7.09	7.13	6.97	---
14	6.95	7.09	6.83	6.98	6.86	7.08	7.06	6.96	7.05	7.15	7.01	---
15	6.94	7.06	6.83	6.95	6.85	7.08	7.06	6.95	7.04	7.16	7.04	7.07
16	6.94	7.03	6.83	6.97	6.87	7.09	7.13	6.94	7.05	7.14	7.03	7.08
17	6.95	7.02	6.83	6.95	6.89	7.12	7.14	6.92	7.04	7.12	7.02	7.08
18	6.97	7.05	6.83	6.93	6.88	7.18	7.13	6.92	7.04	7.10	7.05	7.08
19	6.99	7.04	6.83	6.91	6.88	7.17	7.12	6.95	7.02	7.09	7.05	7.07
20	6.99	7.03	6.83	6.90	6.89	7.18	7.11	6.94	7.01	7.10	7.03	7.07
21	6.99	7.06	6.83	6.87	6.91	7.18	7.09	6.93	7.00	7.08	7.01	7.05
22	6.98	7.08	6.83	6.86	6.91	7.17	7.08	6.90	7.01	7.07	6.99	---
23	6.97	7.09	6.84	6.84	6.99	7.16	7.05	6.90	7.03	7.09	6.97	---
24	6.97	7.09	6.83	6.83	6.99	7.14	7.04	6.91	7.07	7.08	6.97	---
25	6.96	7.07	6.84	6.82	6.99	7.16	7.04	6.89	7.13	7.06	7.04	---
26	6.95	7.04	6.83	6.88	6.99	7.17	7.03	6.88	7.16	7.05	7.03	---
27	6.95	7.01	6.83	6.86	7.00	7.15	7.04	6.86	7.19	7.05	7.04	---
28	6.94	6.99	6.82	6.83	7.00	7.14	7.21	6.95	7.21	7.03	7.02	---
29	6.94	6.96	6.82	6.81	---	7.12	7.18	7.14	7.18	7.02	7.01	---
30	6.94	6.93	6.80	6.80	---	7.11	7.15	7.19	7.16	7.03	7.04	---
31	6.94	---	6.79	6.79	---	7.11	---	7.30	---	7.04	7.04	---
TOTAL	215.93	211.06	212.08	213.94	192.35	219.62	212.70	216.90	214.41	219.93	217.11	---
MEAN	6.97	7.04	6.84	6.90	6.87	7.08	7.09	7.00	7.15	7.09	7.00	---
MAX	7.00	7.14	6.90	7.04	7.00	7.18	7.21	7.30	7.39	7.16	7.05	---
MIN	6.94	6.93	6.79	6.79	6.76	6.99	7.03	6.86	7.00	7.02	6.94	---

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

LOCATION.--Lat 25°38'24", long 80°39'10", in NW1/4 sec.4, T.54 S., R. Government Lot 6 E., Dade County, Hydrologic Unit 03090202, approximately 2.0 mi northeast of the extreme southern end of the L-67 extension levee and 11.8 mi west of Krome Avenue. (Corrected).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights).

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records for 1990-1992 water years published with datum 0.40 ft too high. Station destroyed by Hurricane Andrew and rebuilt on February 19, 1993.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.87 ft Aug. 20, 1988; minimum, indeterminate, well was dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.49 ft June 1, 2; minimum, 6.92 ft May 27, 28.

REVISIONS.--Revised records for 1990-1992 water years supersede those published in 1990-1992 reports.

STATION NUMBER 253828080391100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.79	4.71	---	---	---	4.62	6.14	---	---	---
2	---	---	5.76	4.65	---	---	---	---	6.16	---	---	---
3	---	---	5.72	4.63	---	---	---	---	6.16	---	---	---
4	---	---	5.66	4.61	---	---	---	---	6.16	---	---	---
5	---	---	5.62	---	---	---	---	---	6.17	---	---	---
6	---	---	5.58	---	---	---	---	---	6.16	---	---	---
7	---	---	5.55	---	---	---	---	---	6.15	---	---	---
8	---	---	5.52	---	---	---	---	---	6.13	---	---	---
9	---	---	5.52	---	---	---	---	---	6.12	---	---	---
10	---	---	5.46	---	---	---	---	---	6.11	---	---	---
11	---	---	5.41	---	---	---	---	---	6.11	---	---	---
12	---	---	5.38	---	---	---	---	---	6.10	---	---	---
13	6.22	---	5.45	---	---	---	---	---	6.07	---	---	---
14	6.21	---	5.37	---	---	---	---	---	6.04	---	---	---
15	6.19	---	5.32	---	---	---	---	---	6.00	---	---	---
16	6.17	---	5.33	---	---	---	---	---	5.97	---	---	---
17	6.16	---	5.31	---	---	---	---	---	5.93	---	---	---
18	6.14	---	5.25	---	---	---	4.74	---	5.96	---	---	---
19	6.12	---	5.19	---	---	---	4.63	---	6.04	---	---	---
20	---	---	5.15	---	---	---	4.56	---	6.02	---	---	---
21	---	---	5.19	---	---	---	---	---	6.02	---	---	---
22	---	---	5.22	---	---	---	---	---	6.00	---	---	---
23	---	5.94	5.25	---	---	---	---	---	5.99	---	---	---
24	---	5.91	5.15	---	---	---	---	---	6.04	---	---	---
25	---	5.89	5.07	---	---	---	---	---	6.07	---	---	---
26	---	5.93	5.02	---	---	---	---	---	6.15	---	---	---
27	---	5.89	4.97	---	---	---	---	5.50	6.13	---	---	---
28	---	5.86	4.92	---	---	---	---	6.08	---	---	---	---
29	---	5.85	4.87	---	---	---	4.70	6.07	---	---	---	---
30	---	5.83	4.81	---	---	---	4.74	6.08	---	---	---	---
31	---	---	4.76	---	---	---	---	6.11	---	---	---	---
TOTAL	---	---	164.57	---	---	---	---	---	---	---	---	---
MEAN	---	---	5.31	---	---	---	---	---	---	---	---	---
MAX	---	---	5.79	---	---	---	---	---	---	---	---	---
MIN	---	---	4.76	---	---	---	---	---	---	---	---	---

REVISED

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	6.41	6.05	6.00	---	---	---	6.52	6.69	7.09	7.15
2	---	---	6.40	6.03	5.98	---	---	---	6.50	6.74	7.15	7.15
3	---	---	6.40	6.00	6.00	4.75	---	---	6.47	6.78	7.13	7.15
4	---	---	6.38	6.00	6.01	5.40	---	---	6.45	6.81	7.11	7.18
5	---	---	6.37	6.00	5.98	5.27	---	---	6.43	6.82	7.13	7.18
6	---	---	6.36	5.97	5.96	5.19	---	---	6.43	6.82	7.15	7.17
7	---	---	6.36	5.93	5.94	5.14	---	---	6.47	6.82	7.13	7.17
8	---	---	6.36	5.89	5.91	5.08	---	---	6.58	6.81	7.11	7.18
9	---	6.50	6.35	5.85	5.87	5.04	---	---	6.62	6.81	7.11	7.20
10	---	6.53	6.33	5.80	5.83	4.97	---	---	6.65	6.79	7.13	7.20
11	---	6.53	6.32	5.75	5.78	4.88	---	---	6.65	6.79	7.11	7.18
12	---	6.53	6.30	5.70	5.73	4.81	---	---	6.64	6.82	7.10	7.17
13	---	6.53	6.29	5.64	5.68	4.75	---	---	6.63	6.82	7.09	7.15
14	---	6.52	6.28	5.55	5.61	4.70	---	---	6.62	6.83	7.08	7.14
15	---	6.52	6.26	5.79	5.54	4.67	---	---	6.60	6.86	7.07	7.13
16	---	6.52	6.25	5.99	5.41	---	---	---	6.59	6.85	7.07	7.12
17	---	6.51	6.24	5.98	5.30	---	---	4.97	6.61	6.86	7.06	7.13
18	---	6.50	6.23	5.95	5.21	---	---	5.49	6.60	6.87	7.05	7.14
19	---	6.49	6.22	5.92	5.12	---	---	5.39	6.59	6.90	7.07	7.14
20	---	6.49	6.21	5.90	5.03	---	---	5.96	6.61	6.93	7.08	7.13
21	---	6.48	6.19	5.85	4.94	---	---	6.20	6.63	6.95	7.10	7.13
22	---	6.47	6.18	5.79	4.85	---	---	6.34	6.64	6.99	7.14	7.12
23	---	6.47	6.17	5.74	4.75	---	---	6.47	6.64	7.01	7.13	7.13
24	---	6.46	6.15	5.68	4.65	---	---	6.54	6.64	7.01	7.13	7.17
25	---	6.46	6.14	5.61	---	---	---	6.56	6.63	7.02	7.13	7.18
26	---	6.45	6.13	5.76	---	---	---	6.61	6.67	7.03	7.14	7.19
27	---	6.44	6.12	6.11	---	---	---	6.63	6.66	7.03	7.14	7.20
28	---	6.44	6.12	6.08	---	---	---	6.62	6.65	7.03	7.13	7.20
29	---	6.43	6.11	6.06	---	---	---	6.59	6.64	7.03	7.14	7.20
30	---	6.42	6.09	6.04	---	---	---	6.57	6.64	7.04	7.15	7.21
31	---	---	6.06	6.01	---	---	---	6.55	---	7.06	7.15	---
TOTAL	---	---	193.78	182.42	---	---	---	---	197.70	213.62	220.50	214.89
MEAN	---	---	6.25	5.88	---	---	---	---	6.59	6.89	7.11	7.16
MAX	---	---	6.41	6.11	---	---	---	---	6.67	7.06	7.15	7.21
MIN	---	---	6.06	5.55	---	---	---	---	6.43	6.69	7.05	7.12

REVISED

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.24	7.20	7.03	6.76	6.57	6.50	6.18	5.93	---	7.11	6.88	---
2	7.23	7.18	7.02	6.75	6.55	6.48	6.16	5.88	---	7.09	6.88	---
3	7.22	7.16	7.01	6.74	6.55	6.47	6.15	5.83	4.83	7.06	6.87	---
4	7.22	7.15	6.98	6.72	6.54	6.47	6.16	5.77	5.33	7.02	6.89	---
5	7.21	7.16	6.97	6.71	6.55	6.46	6.14	5.70	5.22	6.99	6.93	---
6	7.20	7.15	6.96	6.70	6.56	6.44	6.12	5.61	5.46	6.96	6.99	---
7	7.21	7.15	6.95	6.69	6.55	6.43	6.10	5.51	5.72	6.94	7.07	---
8	7.19	7.15	6.94	6.68	6.54	6.42	6.09	5.39	5.85	6.93	7.08	---
9	7.21	7.13	6.94	6.68	6.53	6.39	6.06	5.28	5.90	6.91	7.09	---
10	7.23	7.12	6.92	6.67	6.53	6.38	6.04	5.17	5.93	6.88	7.10	---
11	7.24	7.11	6.91	6.65	6.53	6.37	6.06	5.07	5.91	6.87	7.11	---
12	7.23	7.11	6.90	6.64	6.52	6.35	6.08	4.96	5.96	6.85	7.11	---
13	7.21	7.09	6.89	6.63	6.50	6.33	6.06	4.87	6.04	6.84	7.11	---
14	7.20	7.09	6.89	6.63	6.50	6.32	6.03	4.78	6.02	6.84	7.11	---
15	7.20	7.09	6.88	6.61	6.49	6.30	5.99	---	6.02	6.83	7.11	---
16	7.20	7.09	6.85	6.60	6.47	6.28	5.96	---	6.07	6.81	7.11	---
17	7.18	7.09	6.83	6.58	6.47	6.26	5.92	---	6.09	6.83	7.14	---
18	7.16	7.09	6.82	6.58	6.46	6.24	5.88	---	6.14	6.85	7.16	---
19	7.19	7.08	6.81	6.57	6.44	6.23	5.93	---	6.18	6.84	7.16	---
20	7.16	7.08	6.81	6.56	6.45	6.21	6.17	---	6.20	6.84	7.19	---
21	7.15	7.08	6.79	6.55	6.51	6.18	6.17	---	6.20	6.84	7.23	---
22	7.20	7.07	6.78	6.55	6.59	6.16	6.17	---	6.21	6.86	7.24	---
23	7.19	7.06	6.76	6.58	6.59	6.20	6.16	---	6.27	6.85	7.23	---
24	7.19	7.05	6.75	6.64	6.57	6.29	6.14	---	6.51	6.56	---	---
25	7.20	7.03	6.75	6.62	6.56	6.14	6.13	---	6.65	6.85	---	---
26	7.26	7.02	6.74	6.62	6.56	6.28	6.10	---	6.73	6.84	---	---
27	7.30	7.01	6.73	6.61	6.54	6.26	6.07	---	6.85	6.83	---	---
28	7.28	7.01	6.75	6.61	6.52	6.25	6.03	---	7.05	6.82	---	---
29	7.26	7.01	6.78	6.60	6.52	6.23	6.00	---	7.12	6.82	---	---
30	7.24	7.03	6.78	6.60	---	6.22	5.97	---	7.13	6.83	---	---
31	7.22	---	6.77	6.58	---	6.20	---	---	---	6.84	---	---
TOTAL	223.62	212.84	212.69	205.71	189.26	195.74	182.22	---	---	213.23	---	---
MEAN	7.21	7.09	6.86	6.64	6.53	6.31	6.07	---	---	6.88	---	---
MAX	7.30	7.20	7.03	6.76	6.59	6.50	6.18	---	---	7.11	---	---
MIN	7.15	7.01	6.73	6.55	6.44	6.14	5.88	---	---	6.56	---	---

REVISED

253828080391100 NORTHEAST SHARK RIVER SLOUGH NO. 4, NORTH OF GROSSMAN, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	7.05	7.14	7.19	7.48	7.25	7.10	7.12
2	---	---	---	---	---	7.05	7.12	7.17	7.48	7.24	7.09	7.13
3	---	---	---	---	---	7.05	7.11	7.15	7.45	7.26	7.07	7.15
4	---	---	---	---	---	7.05	---	7.14	7.42	7.24	7.06	7.14
5	---	---	---	---	---	7.04	---	7.12	7.39	7.20	7.05	7.14
6	---	---	---	---	---	7.04	---	7.11	7.38	7.18	7.03	7.13
7	---	---	---	---	---	7.04	---	7.09	7.36	7.15	7.01	7.15
8	---	---	---	---	---	7.05	---	7.09	7.34	7.15	7.01	7.23
9	---	---	---	---	---	7.04	---	7.07	7.31	7.14	7.02	7.28
10	---	---	---	---	---	7.04	---	7.07	7.27	7.12	7.03	7.24
11	---	---	---	---	---	7.04	---	7.05	7.24	7.12	7.01	7.20
12	---	---	---	---	---	7.04	---	7.05	7.21	7.14	7.01	7.19
13	---	---	---	---	---	7.09	7.11	7.04	7.18	7.16	7.01	7.17
14	---	---	---	---	---	7.09	7.11	7.02	7.15	7.18	7.06	7.17
15	---	---	---	---	---	7.12	7.10	7.01	7.13	7.19	7.07	7.18
16	---	---	---	---	---	7.14	7.16	6.99	7.12	7.19	7.07	7.19
17	---	---	---	---	---	7.18	7.17	6.99	7.13	7.17	7.08	7.19
18	---	---	---	---	---	7.23	7.17	6.99	7.11	7.15	7.08	7.19
19	---	---	---	---	6.96	7.23	7.16	7.02	7.09	7.15	7.07	7.18
20	---	---	---	---	6.97	7.25	7.15	7.00	7.08	7.15	7.06	7.15
21	---	---	---	---	6.97	7.25	7.14	6.99	7.06	7.15	7.05	7.13
22	---	---	---	---	7.00	7.26	7.12	6.97	7.08	7.14	7.04	7.13
23	---	---	---	---	7.02	7.25	7.11	6.97	7.10	7.12	7.03	7.14
24	---	---	---	---	7.03	7.24	7.11	6.96	7.16	7.11	7.02	7.14
25	---	---	---	---	7.04	7.22	7.10	6.95	7.20	7.11	7.07	7.15
26	---	---	---	---	7.05	7.21	7.10	6.94	7.26	7.09	7.09	7.14
27	---	---	---	---	7.05	7.20	7.14	6.93	7.32	7.08	7.10	7.15
28	---	---	---	---	7.05	7.19	7.27	6.98	7.32	7.11	7.11	7.14
29	---	---	---	---	---	7.17	7.24	7.13	7.30	7.09	7.11	7.13
30	---	---	---	---	---	7.17	7.21	7.22	7.27	7.08	7.11	7.11
31	---	---	---	---	---	7.15	---	7.36	---	7.09	7.13	---
TOTAL	---	---	---	---	---	221.17	---	218.76	217.39	221.70	218.85	214.88
MEAN	---	---	---	---	---	7.13	---	7.06	7.25	7.15	7.06	7.16
MAX	---	---	---	---	---	7.26	---	7.36	7.48	7.26	7.13	7.28
MIN	---	---	---	---	---	7.04	---	6.93	7.06	7.08	7.01	7.11

253753080393600 NORTHEAST SHARK RIVER SLOUGH NO. 5, SOUTH OF GROSSMAN, FL

LOCATION.--Lat 25°37'53", long 80°39'36", in NW1/4 sec.4, T.54 S., R. Government Lot 6 E., Dade County, Hydrologic Unit 03090202, approximately 0.3 mi northeast of the extreme southern end of the L-67 extension levee and 11.8 mi west of Krome Avenue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1985 to current year (gage heights).

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records for 1990 and 1991 water years were published with erroneous datum of 0.48 ft. Records revised in the files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 7.95 ft Aug. 27, 1988; minimum, indeterminate many days during 1989, 1990, 1991, 1992 water years when well went dry.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 7.25 ft June 1, 2; minimum, 6.67 ft Feb. 8, 9.

STATION NUMBER 253753080393600
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	6.54	6.64	6.75	6.79	7.06	6.85	6.70	6.70
2	---	---	---	---	6.53	6.64	6.73	6.77	7.06	6.83	6.69	6.71
3	---	---	---	---	6.52	6.64	6.72	6.76	7.04	6.86	6.67	6.73
4	---	---	---	---	6.52	6.63	6.72	6.74	7.01	6.85	6.66	6.73
5	---	---	---	---	6.51	6.63	6.74	6.73	6.98	6.81	6.64	6.73
6	---	---	---	---	6.51	6.63	6.73	6.71	6.97	6.79	6.62	6.72
7	---	---	---	---	6.51	6.64	6.73	6.70	6.96	6.77	6.61	6.74
8	---	---	---	---	6.50	6.64	6.72	6.69	6.94	6.77	6.61	6.82
9	---	---	---	---	6.50	6.63	6.73	6.68	6.91	6.75	6.62	6.87
10	---	---	---	---	6.52	6.63	6.73	6.68	6.88	6.74	6.62	6.83
11	---	---	---	---	6.54	6.63	6.72	6.66	6.85	6.73	6.61	6.79
12	---	---	---	---	6.53	6.63	6.73	6.66	6.82	6.75	6.61	6.77
13	---	---	---	---	6.53	6.67	6.72	6.65	6.79	6.77	6.61	6.76
14	---	---	---	---	6.54	6.68	6.71	6.63	6.76	6.78	6.64	6.74
15	---	---	---	---	6.55	6.71	6.70	6.61	6.74	6.79	6.66	6.76
16	---	---	---	---	6.56	6.73	6.75	6.60	6.73	6.78	6.65	6.77
17	---	---	---	---	6.56	6.75	6.76	6.59	6.74	6.77	6.66	6.78
18	---	---	---	---	6.56	6.81	6.76	6.59	6.73	6.75	6.67	6.77
19	---	---	---	---	6.56	6.82	6.76	6.62	6.71	6.75	6.66	6.76
20	---	---	---	---	6.56	6.85	6.75	6.60	6.69	6.76	6.65	6.74
21	---	---	---	---	6.57	6.85	6.74	6.58	6.67	6.76	6.64	6.72
22	---	---	---	---	6.57	6.85	6.72	6.57	6.68	6.74	6.63	6.72
23	---	---	---	6.61	6.61	6.83	6.72	6.57	6.70	6.73	6.62	6.72
24	---	---	---	6.60	6.63	6.82	6.71	6.57	6.77	6.72	6.61	6.71
25	---	---	---	6.58	6.64	6.82	6.70	6.56	6.81	6.71	6.64	6.73
26	---	---	---	6.62	6.64	6.83	6.70	6.54	6.87	6.70	6.66	6.73
27	---	---	---	6.58	6.64	6.81	6.74	6.53	6.94	6.68	6.68	6.74
28	---	---	---	6.58	6.64	6.80	6.86	6.59	6.93	6.72	6.69	6.73
29	---	---	---	6.58	---	6.78	6.84	6.72	6.90	6.70	6.70	6.72
30	---	---	---	6.57	---	6.78	6.81	6.81	6.87	6.69	6.70	6.70
31	---	---	---	6.56	---	6.77	---	6.95	---	6.69	6.71	---
TOTAL	---	---	---	---	183.59	208.57	202.20	206.45	205.51	209.49	206.14	202.44
MEAN	---	---	---	---	6.56	6.73	6.74	6.66	6.85	6.76	6.65	6.75
MAX	---	---	---	---	6.64	6.85	6.86	6.95	7.06	6.86	6.71	6.87
MIN	---	---	---	---	6.50	6.63	6.70	6.53	6.67	6.68	6.61	6.70

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

LOCATION.--Lat 25°32'34", long 80°19'52", in NE1/4 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.

REVISED RECORDS.--WDR FL-89-2A: 1988.

GAGE.--Digital upstream, downstream recorders and gate recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (Dade County bench mark). Prior to Aug. 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. Water-stage recorder is presently located in South Florida Water Management District block house at the gate structure.

REMARKS.--Records fair. 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. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

COOPERATION.--Supplementary gate-opening record and gage-height record provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 19 complete water years of discharge (1971-77, 1979-90).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 10.17 ft Aug. 24, 1992; minimum, -1.09 ft Aug. 24, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 2.86 ft Nov. 21; minimum, 0.02 ft June 28.

STATION NUMBER 02290710
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.20	1.92	1.77	2.34	2.27	2.40	2.03	2.28	1.11	1.77	2.03	2.10
2	2.16	2.18	2.03	2.00	1.98	2.40	2.29	2.34	1.19	1.75	2.05	1.94
3	2.14	2.27	2.17	2.07	2.31	2.40	2.17	2.38	1.68	1.77	2.11	2.00
4	1.98	2.02	2.25	2.20	2.11	2.02	2.28	2.40	1.75	1.75	2.11	2.07
5	2.11	2.17	2.35	1.94	2.11	2.20	2.15	2.41	1.69	1.77	2.07	2.02
6	1.90	2.09	2.05	2.08	2.15	2.26	1.54	2.41	1.71	1.80	2.08	2.07
7	2.00	2.10	2.22	2.10	2.14	2.30	2.10	2.19	1.75	1.73	2.30	2.08
8	2.21	2.08	2.35	2.02	2.32	2.32	2.05	2.21	1.71	1.75	2.14	2.12
9	2.14	2.08	2.11	2.04	2.33	2.33	2.09	2.29	1.49	1.76	2.18	2.10
10	1.86	2.04	2.34	2.05	2.18	2.33	2.33	2.37	1.42	1.79	2.06	2.02
11	2.11	2.13	2.09	2.11	2.28	2.33	2.39	2.39	1.73	1.70	2.28	2.15
12	2.13	2.04	2.34	2.06	2.10	2.32	2.14	2.11	1.75	1.79	2.13	2.04
13	2.31	2.00	2.16	2.16	2.35	2.16	2.30	2.29	1.80	1.80	2.26	2.11
14	2.18	2.05	2.20	2.00	1.95	2.27	2.35	2.36	1.67	1.77	2.17	2.23
15	2.17	1.96	2.32	1.99	1.88	2.30	2.36	2.37	1.80	1.94	2.15	2.04
16	2.04	2.06	2.06	2.00	2.21	2.20	2.27	2.37	1.77	2.32	2.09	2.10
17	2.17	2.05	2.24	2.11	2.32	1.76	2.28	2.37	1.75	2.02	2.33	2.15
18	2.03	2.10	2.35	2.17	2.18	1.79	2.18	2.37	1.81	2.31	2.09	2.13
19	2.23	1.94	2.24	2.08	2.17	1.77	2.04	2.36	1.82	2.07	2.37	2.14
20	2.17	2.12	2.10	2.12	2.30	1.90	2.16	2.37	1.76	2.27	2.12	2.22
21	2.19	1.74	2.29	2.16	2.35	1.90	2.18	2.35	1.74	2.14	2.38	2.10
22	2.21	1.66	2.34	2.10	2.39	1.84	2.09	2.34	1.78	2.28	2.07	2.17
23	2.15	1.08	2.36	2.13	2.05	1.84	2.14	2.32	1.76	2.26	2.20	2.09
24	2.03	1.08	2.23	2.11	2.29	2.10	2.28	2.31	1.77	2.08	2.25	2.14
25	2.12	1.20	1.99	2.09	2.32	2.26	2.08	2.29	1.79	2.08	2.13	2.12
26	2.20	1.14	2.24	1.94	2.36	2.12	2.31	2.28	1.77	2.13	2.16	2.13
27	1.97	1.11	2.33	2.08	2.40	2.26	2.14	2.28	1.75	2.20	2.10	2.17
28	1.80	1.11	2.37	2.07	2.40	2.06	2.34	2.23	1.58	2.04	2.31	2.11
29	2.13	1.15	2.40	2.09	---	2.08	2.02	2.03	1.83	2.11	2.11	2.03
30	2.24	1.17	2.18	2.10	---	2.29	2.11	1.93	1.76	2.02	1.99	2.03
31	2.30	---	2.17	2.13	---	2.18	---	1.58	---	2.04	2.09	---
TOTAL	65.58	53.84	68.64	64.64	62.20	66.69	65.19	70.58	50.69	61.01	66.91	62.92
MEAN	2.12	1.79	2.21	2.09	2.22	2.15	2.17	2.28	1.69	1.97	2.16	2.10
MAX	2.31	2.27	2.40	2.34	2.40	2.40	2.39	2.41	1.83	2.32	2.38	2.23
MIN	1.80	1.08	1.77	1.94	1.88	1.76	1.54	1.58	1.11	1.70	1.99	1.94

02290710 BLACK CREEK CANAL AT S-21, NEAR GOULDS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	115	.00	---	.00	.00	.00	.00	921	---	211	131
2	---	.00	---	---	165	.00	.00	.00	807	---	272	305
3	---	.00	---	---	68	.00	71	.00	1230	---	112	189
4	---	154	---	---	51	136	.00	.00	970	---	115	253
5	---	101	---	---	139	11	112	.00	1100	---	149	168
6	---	27	---	---	97	.00	230	.00	1060	---	161	116
7	---	92	---	---	130	.00	.00	111	956	---	9.0	113
8	---	100	---	---	24	.00	126	.00	747	---	130	132
9	---	179	---	---	73	.00	.00	.00	349	99	103	137
10	---	190	---	---	106	.00	.00	.00	192	114	155	276
11	---	242	---	---	.00	.00	.00	.00	152	230	.00	97
12	---	359	---	---	121	.00	105	115	208	177	117	174
13	---	214	---	---	.00	91	.00	.00	105	123	114	146
14	---	172	---	477	234	.00	.00	.00	226	140	.00	160
15	---	87	---	436	40	.00	.00	.00	83	65	164	283
16	---	144	---	335	.00	58	585	.00	181	.00	.00	210
17	47	127	---	205	.00	191	670	.00	200	152	49	171
18	87	346	---	180	105	133	637	.00	145	.00	87	156
19	62	189	---	256	.00	120	373	.00	147	147	.00	197
20	38	-32	---	127	.00	136	132	.00	192	.00	112	108
21	39	247	---	180	.00	97	141	.00	164	145	.00	149
22	32	291	---	174	6.1	132	33	.00	176	43	130	118
23	66	275	---	116	109	72	126	.00	141	101	127	153
24	88	228	---	113	.00	.00	.00	.00	136	276	.00	128
25	104	217	---	217	.00	.00	129	.00	221	166	136	140
26	.00	175	---	344	.00	107	.00	.00	135	130	122	133
27	153	178	---	125	.00	.00	103	.00	235	103	143	119
28	108	160	---	137	.00	150	.00	207	97	208	82	206
29	.00	151	---	169	---	.00	175	550	123	169	126	412
30	.00	100	---	136	---	.00	5.5	855	164	227	233	246
31	13	---	---	162	---	163	---	1320	---	174	145	---
TOTAL	---	4828.00	---	---	1468.10	1597.00	3753.50	3158.00	11563	---	3304.00	5326
MEAN	---	161	---	---	52.4	51.5	125	102	385	---	107	178
MAX	---	359	---	---	234	191	670	1320	1230	---	272	412
MIN	---	-32	---	---	.00	.00	.00	.00	83	---	.00	97
AC-FT	---	9580	---	---	2910	3170	7450	6260	22940	---	6550	10560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1993, BY WATER YEAR (WY)

MEAN	232	138	66.0	43.9	44.5	44.2	42.0	81.4	234	174	244	298
MAX	596	367	204	113	325	388	236	377	1151	464	640	791
(WY)	1985	1983	1970	1970	1983	1983	1982	1979	1983	1984	1988	1981
MIN	46.0	26.1	.000	.000	.000	.000	.000	.000	.000	.000	6.65	40.2
(WY)	1990	1985	1985	1971	1971	1971	1971	1971	1974	1981	1987	1989

SUMMARY STATISTICS	WATER YEARS 1970 - 1993	
ANNUAL MEAN	136	
HIGHEST ANNUAL MEAN	341	1983
LOWEST ANNUAL MEAN	33.0	1989
HIGHEST DAILY MEAN	2340	Aug 18 1981
LOWEST DAILY MEAN*	-384	Jan 23 1983
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 6 1970
ANNUAL RUNOFF (AC-FT)	98750	
10 PERCENT EXCEEDS	353	
50 PERCENT EXCEEDS	68	
90 PERCENT EXCEEDS	.00	

* No flow for many days each year

252523080352500 LEVEE 31 W CANAL AT S-332, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°25'23", long 80°35'25", in SE1/4 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.--Satellite data collection platform with water-stage shaft encoder and six relay pump monitors. Graphic dual stage recorder (South Florida Water Management District). Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge and stage. Records fair. Flow regulated by structure 332 and 3 auxiliary pumps. Discharge computed from relation between pump RPM and discharge. Digital stage recorder removed December 2, 1992, and satellite data collection platform with shaft encoder installed along with single-pull relays to monitor on/off times for each of the six pumps located inside structure 332. Starting 1993 water year auxiliary pumps 7-9 were installed and operated to increase the flow into Taylor Slough.

COOPERATION.--Graphic upstream and downstream stage record, pump operation logs and culvert operation provided by South Florida Water Management District. U.S. Army Corps of Engineers provided discharge for auxiliary pumps 7-9.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 10 complete water years of discharge (1984-93). Starting 1993 water year, published discharge represents S332 discharge combined with discharge for auxiliary pumps 7-9.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.78 ft Aug. 16, 1988; minimum, 1.52 ft May 22, 23, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.73 ft Nov. 4; minimum, 3.14 ft Feb. 10.

STATION NUMBER 252523080352500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.39	3.53	---	3.32	3.34	3.31	---	4.15	3.63	4.45	4.28
2	---	4.24	---	---	3.31	3.33	3.32	---	4.06	3.87	4.43	4.37
3	4.56	4.13	---	---	3.33	3.32	3.33	---	4.08	4.33	4.35	4.35
4	4.56	4.56	---	---	3.40	3.37	3.32	---	4.09	4.37	4.41	4.30
5	4.52	4.60	---	---	3.42	3.33	---	---	4.03	4.35	4.46	4.30
6	4.40	4.60	---	---	3.46	3.40	---	---	4.00	4.38	4.43	4.34
7	4.36	4.68	---	---	3.41	3.33	---	---	3.87	4.25	4.36	4.29
8	4.37	4.67	---	---	3.36	3.34	---	---	3.81	3.98	4.35	4.34
9	4.44	4.56	---	---	3.41	3.34	---	---	3.76	3.90	4.40	4.18
10	4.43	4.56	---	---	3.40	3.33	---	---	3.71	3.89	4.41	4.33
11	4.40	4.57	---	---	3.43	3.32	---	---	3.80	4.00	4.37	4.23
12	4.39	4.37	---	3.33	3.40	3.32	---	3.31	3.94	3.99	4.45	4.26
13	4.40	4.19	---	3.36	3.30	3.37	---	3.31	3.92	3.94	4.41	4.22
14	4.44	4.19	---	3.35	3.38	3.37	---	3.29	3.92	3.96	4.19	4.20
15	4.47	4.15	---	3.35	3.37	3.39	---	3.30	3.98	3.90	4.25	4.23
16	4.52	3.96	---	3.34	3.40	3.36	---	3.31	3.87	3.94	4.23	4.25
17	4.61	3.95	---	3.35	3.35	3.39	---	3.31	3.86	4.28	4.25	4.21
18	4.65	3.91	---	3.33	3.42	3.43	---	3.40	3.85	4.29	4.28	4.12
19	4.54	3.42	---	3.31	3.35	3.38	---	3.31	3.81	4.28	4.33	4.17
20	4.62	3.44	---	3.34	3.35	3.38	---	3.25	3.77	4.11	4.37	4.20
21	4.61	3.49	---	3.33	3.35	3.41	---	3.25	3.74	4.32	4.33	4.25
22	4.63	3.66	---	3.31	3.35	3.37	---	3.25	3.73	4.40	4.31	4.32
23	4.55	3.55	---	3.39	3.42	3.37	---	3.25	3.78	4.38	4.33	4.21
24	4.45	3.50	---	3.36	3.40	3.36	---	3.36	3.83	4.45	4.41	4.21
25	4.42	3.43	---	3.38	3.35	3.38	---	3.46	3.78	4.26	4.34	4.26
26	4.45	3.37	---	3.44	3.35	3.39	---	3.46	3.85	4.24	4.22	4.19
27	4.45	3.42	---	3.40	3.40	3.38	---	3.46	3.86	4.28	4.22	4.23
28	4.41	3.42	---	3.35	3.39	3.35	---	3.43	3.77	4.47	4.44	4.26
29	4.24	3.39	---	3.32	---	3.36	---	3.32	3.71	4.36	4.32	4.14
30	4.06	3.30	---	3.34	---	3.29	---	3.43	3.71	4.31	4.20	4.21
31	4.15	---	---	3.31	---	3.29	---	3.83	---	4.40	4.15	---
TOTAL	---	119.67	---	---	94.58	104.09	---	---	116.04	129.51	134.45	127.45
MEAN	---	3.99	---	---	3.38	3.36	---	---	3.87	4.18	4.34	4.25
MAX	---	4.68	---	---	3.46	3.43	---	---	4.15	4.47	4.46	4.37
MIN	---	3.30	---	---	3.30	3.29	---	---	3.71	3.63	4.15	4.12

252523080352500 LEVEE 31 W CANAL AT S-332, NEAR FLORIDA CITY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	.00	89	143	193	180	186	193	193	231	291	287
2	143	76	72	143	193	193	161	193	193	289	259	293
3	90	147	103	143	173	193	115	193	193	291	288	292
4	.00	193	177	143	187	136	174	193	139	293	276	293
5	41	130	193	143	180	173	164	193	173	290	213	293
6	111	105	189	143	123	100	193	191	193	289	217	293
7	152	.00	115	143	123	173	185	193	193	291	238	322
8	187	.00	143	143	155	173	193	193	193	287	228	318
9	193	122	143	165	183	173	169	193	192	291	222	269
10	193	97	143	197	183	173	119	193	193	292	276	283
11	193	193	143	200	183	173	193	186	191	292	291	291
12	156	161	143	87	152	173	193	193	192	274	265	286
13	125	106	143	102	183	31	169	193	193	293	277	293
14	41	83	143	106	183	90	130	193	186	213	292	335
15	93	83	113	193	183	173	178	193	193	249	293	391
16	152	157	128	193	123	173	101	193	193	277	291	393
17	193	193	121	193	183	173	176	193	192	293	293	372
18	122	162	125	193	141	173	193	155	192	277	285	393
19	122	193	143	193	182	173	192	193	193	293	292	343
20	68	193	143	193	193	173	168	193	193	276	293	330
21	83	193	143	193	193	156	192	192	193	293	293	393
22	83	193	143	193	193	113	189	192	193	269	293	349
23	130	193	143	115	193	152	193	193	193	273	287	370
24	193	57	143	183	164	94	193	193	193	219	292	393
25	193	95	143	154	181	183	193	193	192	235	293	391
26	64	143	143	193	193	183	193	193	186	292	290	392
27	.00	135	138	193	168	153	186	193	192	230	291	381
28	.00	103	94	193	153	153	193	179	187	117	287	291
29	105	103	117	193	---	132	193	192	190	287	293	387
30	188	164	70	119	---	118	193	192	192	282	283	291
31	154	---	127	124	---	169	---	193	---	291	280	---
TOTAL	3634.00	3773.00	4116	5012	4837	4778	5270	5918	5684	8369	8562	10008
MEAN	117	126	133	162	173	154	176	191	189	270	276	334
MAX	193	193	193	200	193	193	193	193	193	293	293	393
MIN	.00	.00	70	87	123	31	101	155	139	117	213	269
AC-FT	7210	7480	8160	9940	9590	9480	10450	11740	11270	16600	16980	19850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1993, BY WATER YEAR (WY)

MEAN	108	87.9	40.4	27.6	36.8	27.4	30.0	31.2	104	126	91.9	104
MAX	126	156	160	162	173	154	176	191	189	270	276	334
(WY)	1988	1992	1992	1993	1993	1993	1993	1993	1993	1993	1993	1993
MIN	86.6	60.7	10.5	9.35	4.46	3.56	3.22	4.09	69.9	83.4	26.8	.000
(WY)	1987	1987	1987	1984	1984	1985	1984	1986	1986	1985	1984	1992

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1984 - 1993	
ANNUAL TOTAL	30606.28		69961.00			
ANNUAL MEAN	83.6		192		68.0	
HIGHEST ANNUAL MEAN					192	1993
LOWEST ANNUAL MEAN					41.3	1985
HIGHEST DAILY MEAN	193	Oct 9	393	Sep 16	393	Sep 16 1993
LOWEST DAILY MEAN	.00	Jan 15	.00	Oct 4	.00	Oct 15 1983
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 21	73	Oct 26	.00	Apr 27 1984
ANNUAL RUNOFF (AC-FT)	60710		138800		49300	
10 PERCENT EXCEEDS	166		292		166	
50 PERCENT EXCEEDS	90		192		50	
90 PERCENT EXCEEDS	.00		105		4.6	

02290769 CANAL 111 ABOVE S-18-C, NEAR FLORIDA CITY, FL

LOCATION.--Lat 25°19'49", long 80°31'31", in NW1/4 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.--Water-stage recorder, satellite data collection platform, acoustic velocity meter. Prior to Dec. 1, 1992 digital water-stage recorders, electromagnetic velocity meter recorder, 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.--Records fair, except for estimated daily discharge, which is poor. Flow regulated by S-18-C. Prior to Nov. 30, 1992 discharge computed from relation between head, and gate openings at S-18-C. After Dec. 1, 1992 discharge computed based on continuous record of stage and velocity at newly established AVM site. Prior to the 1993 water year the downstream gage height is available in files of the Geological Survey under station number 02290770. Starting with the 1993 water year, the downstream gage height is available in files of the Geological Survey under station number 02290769.

COOPERATION.--Gate-opening recorder record and record of slot operations provided by South Florida Water Management District.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 22 complete water years of discharge (1969-90).

SEE THE FOLLOWING PAGE FOR THE TABLE OF DISCHARGE

02290769 CANAL 111 ABOVE S-18-C, NEAR FLORIDA CITY, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	e199	226	27	190	17	40	49	e1390	191	322	791
2	176	e22	222	10	177	33	11	51	e887	149	356	663
3	222	e168	200	9.9	165	45	21	37	829	148	349	796
4	225	e24	193	36	198	11	46	69	798	140	217	644
5	229	e.00	77	54	202	4.1	32	30	729	155	40	614
6	239	e49	84	503	223	12	6.6	5.8	810	180	41	627
7	235	e141	136	430	194	27	24	37	708	209	8.3	494
8	204	e203	74	361	184	17	35	77	657	590	.00	427
9	192	e199	82	814	171	21	15	26	439	431	43	466
10	188	e150	107	1100	91	36	7.6	7.6	480	277	45	404
11	177	e183	98	903	40	37	51	53	353	346	3.4	452
12	167	e223	92	574	43	43	24	38	286	293	9.1	521
13	160	e234	93	552	14	24	22	64	283	257	229	483
14	147	e192	73	493	4.5	14	49	102	245	141	430	526
15	140	e170	114	380	41	17	19	29	445	44	384	582
16	147	e155	131	291	31	43	53	34	515	27	277	673
17	210	e152	110	379	43	59	17	40	322	12	286	700
18	264	847	107	394	77	550	5.3	47	162	11	308	593
19	227	389	102	345	13	525	10	48	19	182	136	449
20	e1060	563	113	345	40	370	68	52	74	536	24	390
21	e807	449	128	373	36	294	54	49	38	567	141	427
22	e663	701	24	364	48	164	6.4	43	17	385	354	345
23	e80	783	40	291	26	45	18	75	215	401	304	347
24	e764	553	25	254	16	44	48	103	436	375	313	328
25	e770	518	29	265	24	31	45	131	420	338	261	266
26	e578	513	55	310	33	26	45	79	367	375	379	297
27	e799	331	32	290	31	44	76	e82	464	324	556	252
28	e687	97	8.8	277	15	3.0	83	e4.2	463	600	528	234
29	e85	13	2.6	220	---	25	6.3	e.66	397	556	529	317
30	e34	-118	8.5	204	---	45	48	e45	295	326	725	198
31	e290	---	29	193	---	43	---	e1240	---	268	948	---
TOTAL	10331	8103.00	2815.9	11041.9	2370.5	2669.1	986.2	2748.26	13543	8834	8545.80	14306
MEAN	333	270	90.8	356	84.7	86.1	32.9	88.7	451	285	276	477
MAX	1060	847	226	1100	223	550	83	1240	1390	600	948	796
MIN	34	-118	2.6	9.9	4.5	3.0	5.3	.66	17	11	.00	198
AC-FT	20490	16070	5590	21900	4700	5290	1960	5450	26860	17520	16950	28380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1993, BY WATER YEAR (WY)

MEAN	249	142	45.1	54.4	57.6	58.7	37.9	47.8	268	180	287	361
MAX	958	771	295	356	884	965	529	257	1097	764	1477	1001
(WY)	1988	1988	1988	1993	1983	1983	1983	1972	1972	1986	1988	1983
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1975	1975	1971	1971	1971	1971	1970	1970	1974	1974	1974	1974

SUMMARY STATISTICS	FOR 1993 WATER YEAR		WATER YEARS 1969 - 1993	
ANNUAL TOTAL	86294.66			
ANNUAL MEAN	236		150	
HIGHEST ANNUAL MEAN			485	1983
LOWEST ANNUAL MEAN			4.42	1974
HIGHEST DAILY MEAN	1390	Jun 1	2940	Aug 16 1988
LOWEST DAILY MEAN	-118	Nov 30	-194	Jan 2 1988
ANNUAL SEVEN-DAY MINIMUM	14	Dec 28	-92	Dec 29 1987
ANNUAL RUNOFF (AC-FT)	171200		108500	
10 PERCENT EXCEEDS	580		613	
50 PERCENT EXCEEDS	165		.00	
90 PERCENT EXCEEDS	17		.00	

e Estimated

251716080342100 EVERGLADES 5A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'16", long 80°34'21", in SW1/4 sec.18, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31canal and 7 mi west of U.S. Highway 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

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

REMARKS.--Data prior to 1993 water year are unpublished and in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 2.37 ft Aug. 16, 1988; minimum, -0.77 ft May 21, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 1.85 ft Oct. 5; minimum, -.02 ft May 27.

STATION NUMBER 251716080342100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.56	1.26	1.39	1.12	1.29	1.19	1.12	.78	1.32	1.16	1.33	1.43
2	1.57	1.23	1.37	1.15	1.28	1.16	1.11	.74	1.30	1.15	1.31	1.45
3	1.62	1.21	1.36	1.25	1.27	1.15	1.08	.71	1.25	1.13	1.26	1.49
4	1.77	1.26	1.35	1.28	1.27	1.13	1.06	.70	1.22	1.13	1.22	1.47
5	1.85	1.26	1.33	1.29	1.26	1.11	1.14	.66	1.19	1.12	1.19	1.45
6	1.75	1.23	1.31	1.27	1.26	1.09	1.17	.63	1.20	1.11	1.17	1.45
7	1.65	1.21	1.31	1.25	1.26	1.08	1.15	.61	1.30	1.11	1.15	1.45
8	1.58	1.20	1.29	1.23	1.25	1.07	1.13	.58	1.28	1.12	1.13	1.43
9	1.54	1.27	1.28	1.35	1.24	1.06	1.14	.54	1.26	1.19	1.17	1.40
10	1.52	1.43	1.27	1.43	1.25	1.04	1.16	.54	1.23	1.16	1.24	1.37
11	1.54	1.44	1.26	1.40	1.26	1.02	1.15	.50	1.21	1.13	1.22	1.33
12	1.59	1.42	1.24	1.38	1.27	1.01	1.13	.53	1.21	1.25	1.22	1.30
13	1.58	1.38	1.23	1.37	1.25	1.11	1.11	.55	1.20	1.23	1.21	1.29
14	1.52	1.34	1.22	1.35	1.24	1.11	1.08	.49	1.18	1.22	1.19	1.30
15	1.46	1.31	1.21	1.33	1.23	1.09	1.05	.44	1.17	1.22	1.17	1.29
16	1.41	1.28	1.20	1.33	1.21	1.09	1.07	.40	1.21	1.22	1.15	1.31
17	1.40	1.26	1.19	1.34	1.21	1.14	1.07	.35	1.30	1.21	1.14	1.32
18	1.44	1.29	1.18	1.31	1.20	1.27	1.04	.31	1.30	1.20	1.13	1.33
19	1.42	1.28	1.18	1.30	1.18	1.25	1.01	.28	1.27	1.19	1.10	1.34
20	1.38	1.27	1.17	1.29	1.17	1.23	.97	.24	1.25	1.18	1.08	1.36
21	1.33	1.26	1.16	1.29	1.16	1.22	.94	.20	1.24	1.19	1.08	1.37
22	1.29	1.30	1.16	1.28	1.15	1.21	.91	.15	1.22	1.32	1.11	1.36
23	1.25	1.51	1.16	1.28	1.25	1.20	.87	.10	1.21	1.36	1.15	1.39
24	1.22	1.66	1.15	1.27	1.24	1.19	.83	.06	1.19	1.37	1.15	1.42
25	1.19	1.65	1.15	1.28	1.23	1.19	.81	.03	1.18	1.37	1.15	1.38
26	1.18	1.62	1.14	1.34	1.22	1.20	.80	.00	1.19	1.37	1.20	1.35
27	1.18	1.58	1.14	1.33	1.21	1.19	.82	-.02	1.19	1.34	1.21	1.33
28	1.28	1.52	1.13	1.31	1.20	1.18	.91	.24	1.19	1.31	1.27	1.33
29	1.31	1.46	1.12	1.31	---	1.16	.86	.45	1.18	1.34	1.44	1.36
30	1.31	1.42	1.11	1.30	---	1.15	.82	.88	1.17	1.44	1.44	1.36
31	1.28	---	1.11	1.30	---	1.14	---	1.15	---	1.37	1.43	---
TOTAL	44.97	40.81	37.87	40.31	34.51	35.43	30.51	13.82	36.81	38.21	37.41	41.21
MEAN	1.45	1.36	1.22	1.30	1.23	1.14	1.02	.45	1.23	1.23	1.21	1.37
MAX	1.85	1.66	1.39	1.43	1.29	1.27	1.17	1.15	1.32	1.44	1.44	1.49
MIN	1.18	1.20	1.11	1.12	1.15	1.01	.80	-.02	1.17	1.11	1.08	1.29

251724080341400 EVERGLADES 5B IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°17'24", long 80°34'14", in SW1/4 sec.18, T.59 S., R.38 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31 canal and 7 mi west of U.S. Highway 1, 12.5 mi southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 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.--Data prior to 1993 water year are unpublished and in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 2.37 ft Aug. 16, 1988; minimum, indeterminate.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 1.82 ft Oct. 5; minimum, indeterminate.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.27	1.43	1.18	1.33	1.21	1.19	---	1.30	1.22	1.33	---
2	1.56	1.25	1.41	1.19	1.32	1.20	1.17	---	1.25	1.21	1.30	---
3	1.59	1.24	1.40	1.24	1.32	1.19	1.15	---	1.22	1.21	1.28	---
4	1.67	1.25	1.39	1.33	1.31	1.17	1.13	---	1.21	1.21	1.27	---
5	1.82	1.30	1.38	1.31	1.30	1.15	1.24	---	1.24	1.20	1.25	---
6	1.80	1.28	1.36	1.31	1.30	1.14	1.22	---	1.32	1.20	1.24	---
7	1.70	1.27	1.36	1.29	1.29	1.14	1.21	---	1.30	1.22	1.22	---
8	1.62	1.26	1.34	1.28	1.29	1.13	1.19	---	1.28	1.24	1.21	---
9	1.56	1.26	1.33	1.28	1.29	1.11	1.20	---	1.26	1.22	1.24	---
10	1.53	1.43	1.33	1.44	1.29	1.10	1.23	---	1.25	1.20	1.28	---
11	1.51	1.47	1.32	1.42	1.28	1.09	1.21	---	1.26	1.28	1.27	---
12	1.54	1.46	1.30	1.40	1.28	1.14	1.19	---	1.24	1.26	1.27	---
13	1.57	1.43	1.29	1.39	1.26	1.19	1.17	---	1.23	1.26	1.27	---
14	1.53	1.40	1.28	1.38	1.25	1.17	1.15	---	1.22	1.27	1.25	---
15	1.48	1.37	1.28	1.36	1.25	1.15	1.13	---	1.26	1.27	1.24	---
16	1.43	1.34	1.27	1.35	1.23	1.17	1.16	---	1.32	1.26	1.22	---
17	1.39	1.32	1.25	1.37	1.23	1.27	1.16	---	1.33	1.25	1.18	---
18	1.42	1.31	1.25	1.35	1.22	1.29	1.14	---	1.30	1.25	---	---
19	1.43	1.34	1.24	1.34	1.20	1.27	1.11	---	1.29	1.25	---	---
20	1.41	1.32	1.23	1.34	1.20	1.26	1.09	---	1.27	1.28	---	---
21	1.37	1.32	1.22	1.33	1.19	1.25	1.08	---	1.26	1.39	---	---
22	1.33	1.32	1.21	1.33	1.25	1.25	---	---	1.25	1.38	---	---
23	1.31	1.38	1.21	1.33	1.28	1.25	---	---	1.24	1.39	---	---
24	1.29	1.59	1.21	1.32	1.26	1.24	---	---	1.24	1.38	---	---
25	1.27	1.64	1.21	1.32	1.25	1.25	---	---	1.24	1.37	---	---
26	1.26	1.62	1.20	1.34	1.24	1.25	---	---	1.24	1.33	---	---
27	1.24	1.59	1.19	1.37	1.23	1.24	---	---	1.24	1.32	---	---
28	1.24	1.55	1.19	1.35	1.22	1.23	---	---	1.23	1.38	---	---
29	1.28	1.50	1.18	1.34	---	1.22	---	---	1.23	1.44	---	---
30	1.29	1.45	1.18	1.33	---	1.21	---	---	1.22	1.38	---	---
31	1.28	---	1.17	1.33	---	1.20	---	1.20	---	1.35	---	---
TOTAL	45.29	41.53	39.61	41.24	35.36	37.13	---	---	37.74	39.87	---	---
MEAN	1.46	1.38	1.28	1.33	1.26	1.20	---	---	1.26	1.29	---	---
MAX	1.82	1.64	1.43	1.44	1.33	1.29	---	---	1.33	1.44	---	---
MIN	1.24	1.24	1.17	1.18	1.19	1.09	---	---	1.21	1.20	---	---

251855080283400 EVERGLADES 2B IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°18'55", long 80°28'34", in NW1/4 sec.7, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, in C-111 drainage basin between C-109 and C-110 Canals, 1.6 mi west of U.S. Highway 1 and 1.15 mi north of C-111 Canal, 8.9 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 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.--Data prior to 1993 water year are unpublished and in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.32 ft Aug. 16, 1988; minimum, indeterminate.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.43 ft Sept. 3; minimum, interminate.

STATION NUMBER 251855080283400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.61	1.37	1.66	1.88	1.97	2.30
2	---	---	---	---	---	---	1.59	1.35	1.75	1.99	1.96	2.37
3	---	---	---	---	---	---	1.57	1.34	1.81	1.98	1.95	2.43
4	---	---	---	---	---	---	1.56	1.32	1.85	1.94	1.93	2.41
5	---	---	---	---	---	1.60	1.58	1.31	1.88	1.90	1.90	2.38
6	---	---	---	---	---	1.58	1.57	1.29	1.94	1.87	1.87	2.36
7	---	---	---	---	---	1.57	1.55	1.28	1.97	1.85	1.84	2.33
8	---	---	---	---	---	1.56	1.54	1.27	1.98	1.86	1.81	2.30
9	---	---	---	---	---	1.54	1.54	1.26	1.98	1.86	1.81	2.27
10	---	---	---	---	---	1.53	1.54	1.26	1.97	1.85	1.80	2.24
11	---	---	---	---	---	1.52	1.52	1.25	2.03	1.85	1.78	2.21
12	---	---	---	---	---	1.51	1.51	---	2.00	1.86	1.80	2.20
13	---	---	---	---	---	1.55	1.50	---	1.97	1.85	1.89	2.19
14	---	---	---	---	---	1.53	1.48	---	1.95	1.85	1.94	2.19
15	---	---	---	---	---	1.52	1.47	---	1.94	1.82	1.94	2.21
16	---	---	---	---	---	1.51	1.54	---	1.95	1.79	1.94	2.23
17	---	---	---	---	---	1.54	1.55	---	1.98	1.76	1.94	2.26
18	---	---	---	---	---	1.59	1.53	---	1.97	1.74	1.97	2.27
19	---	---	---	---	---	1.62	1.52	---	1.95	1.71	1.95	2.26
20	---	---	---	---	---	1.65	1.50	---	1.92	1.73	1.93	2.23
21	---	---	---	---	---	1.67	1.49	---	1.89	1.76	1.91	2.21
22	---	---	---	---	---	1.68	1.47	---	1.86	1.79	1.91	2.20
23	---	---	---	---	---	1.67	1.45	---	1.84	1.81	1.91	2.18
24	---	---	---	---	---	1.66	1.43	---	1.85	1.84	1.92	2.16
25	---	---	---	---	---	1.65	1.42	---	1.87	1.86	1.93	2.15
26	---	---	---	---	---	1.65	1.41	---	1.87	1.86	1.96	2.13
27	---	---	---	---	---	1.64	1.40	---	1.89	1.87	1.99	2.12
28	---	---	---	---	---	1.62	1.41	---	1.90	1.89	2.02	2.11
29	---	---	---	---	---	1.61	1.40	---	1.90	1.92	2.06	2.12
30	---	---	---	---	---	1.60	1.39	---	1.89	1.95	2.14	2.12
31	---	---	---	---	---	1.62	---	1.42	---	1.96	2.27	---
TOTAL	---	---	---	---	---	---	45.04	---	57.21	57.45	59.94	67.14
MEAN	---	---	---	---	---	---	1.50	---	1.91	1.85	1.93	2.24
MAX	---	---	---	---	---	---	1.61	---	2.03	1.99	2.27	2.43
MIN	---	---	---	---	---	---	1.39	---	1.66	1.71	1.78	2.11

251906080283400 EVERGLADES 2A IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°19'06", long 80°28'34", in sec.7, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, in C-111 basin between C-109 and C-110 Canals, 1.6 mi west of U.S. Highway 1 and 1.5 mi north of C-111 Canal, approximately 8.5 mi south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Gage height records prior to October 1992, are available in files of Geological Survey.

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

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.34 ft Aug. 16, 1988; minimum, 0.28 ft May 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.12 ft June 11; minimum, 1.01 ft May 27.

STATION NUMBER 251906080283400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.70	1.46	1.75	---	---	---
2	---	---	---	---	---	---	1.68	1.44	1.84	---	---	---
3	---	---	---	---	---	---	1.66	1.43	1.91	---	---	---
4	---	---	---	---	---	---	1.65	1.41	1.95	---	---	---
5	---	---	---	---	---	---	1.67	1.40	1.99	---	---	---
6	---	---	---	---	1.77	---	1.66	1.38	2.03	---	---	---
7	---	---	---	---	---	---	1.64	1.37	2.06	---	---	---
8	---	---	---	---	---	---	1.63	1.35	2.07	---	---	---
9	---	---	---	---	---	---	1.64	1.33	2.07	---	---	---
10	---	---	---	---	---	1.63	1.63	1.31	2.06	---	---	---
11	---	---	---	---	---	1.63	1.61	1.29	2.12	---	---	---
12	---	---	---	---	---	1.63	1.60	1.28	2.09	---	---	---
13	---	---	---	---	---	1.66	1.59	1.26	2.07	---	---	---
14	---	---	---	---	---	1.62	1.57	1.24	2.04	---	---	---
15	---	---	---	---	---	1.61	1.57	1.21	2.02	---	---	---
16	---	---	---	---	---	1.61	1.65	1.18	2.04	---	---	---
17	---	---	---	---	---	1.64	1.64	1.16	2.07	---	---	---
18	---	---	---	---	---	1.68	1.63	1.13	2.06	---	---	---
19	---	---	---	---	---	1.71	1.61	1.12	2.04	---	---	---
20	---	---	---	---	---	1.75	1.60	1.12	2.01	---	---	---
21	---	---	---	---	---	1.77	1.58	1.10	1.98	---	---	---
22	---	---	---	---	---	1.77	1.57	1.09	1.95	---	---	---
23	---	---	---	---	---	1.77	1.55	1.07	1.92	---	---	---
24	---	---	---	---	---	1.75	1.53	1.04	1.93	---	---	---
25	---	---	---	---	---	1.75	1.51	1.03	1.95	---	---	---
26	---	---	---	---	---	1.74	1.50	1.02	1.96	---	---	---
27	---	---	---	---	---	1.73	1.50	1.01	1.98	---	---	---
28	---	---	---	---	---	1.71	1.50	1.06	1.99	---	---	---
29	---	---	---	---	---	1.69	1.49	1.12	1.99	---	---	---
30	---	---	---	---	---	1.70	1.47	1.29	---	---	---	---
31	---	---	---	---	---	1.71	---	1.51	---	---	---	---
TOTAL	---	---	---	---	---	---	47.83	38.21	---	---	---	---
MEAN	---	---	---	---	---	---	1.59	1.23	---	---	---	---
MAX	---	---	---	---	---	---	1.70	1.51	---	---	---	---
MIN	---	---	---	---	---	---	1.47	1.01	---	---	---	---

251946080254800 EVERGLADES 1 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°19'46", long 80°25'48", in NE1/4 sec.4, T.59 S., R.39 E., Dade County, Hydrologic Unit 03090202, approximately 1 mi east of U.S. Highway 1, 1.3 mi west-southwest of Levee 31-E, east of S-18-C, southeast of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1985 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.--Data prior to 1993 water year are available in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 2.17 ft Nov. 2, 1987; minimum, 0.31 ft May 22, 1990.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 1.78 ft Sept. 3; minimum, 0.76 ft May 17.

STATION NUMBER 251946080254800
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.37	1.10	1.59	1.43	1.49	1.71
2	---	---	---	---	---	---	1.36	1.07	1.53	1.55	1.48	1.76
3	---	---	---	---	---	---	1.34	1.05	1.50	1.55	1.48	1.78
4	---	---	---	---	---	---	1.33	1.07	1.47	1.51	1.47	1.73
5	---	---	---	---	---	---	1.37	1.03	1.46	1.48	1.46	1.69
6	---	---	---	---	---	---	1.38	.99	1.46	1.46	1.45	1.67
7	---	---	---	---	---	---	1.36	.97	1.45	1.45	1.44	1.64
8	---	---	---	---	---	---	1.34	.94	1.44	1.45	1.44	1.63
9	---	---	---	---	---	---	1.34	.91	1.43	1.44	1.45	1.61
10	---	---	---	---	---	---	1.35	.91	1.42	1.43	1.44	1.59
11	---	---	---	---	---	---	1.34	.91	1.48	1.42	1.43	1.57
12	---	---	---	---	---	---	1.32	.89	1.47	1.42	1.44	1.57
13	---	---	---	---	---	1.36	1.30	.88	1.46	1.41	1.48	1.57
14	---	---	---	---	---	1.37	1.27	.85	1.44	1.41	1.49	1.58
15	---	---	---	---	---	1.35	1.25	.82	1.44	1.42	1.48	1.59
16	---	---	---	---	---	1.34	1.35	.78	1.45	1.40	1.47	1.62
17	---	---	---	---	---	1.35	1.39	.76	1.47	1.39	1.48	1.66
18	---	---	---	---	---	1.40	1.37	.81	1.47	1.37	1.50	1.65
19	---	---	---	---	---	1.40	1.36	.99	1.46	1.36	1.49	1.63
20	---	---	---	---	---	1.39	1.34	.94	1.46	1.35	1.48	1.61
21	---	---	---	---	---	1.38	1.32	.89	1.45	1.35	1.47	1.60
22	---	---	---	---	---	1.37	1.31	.86	1.44	1.34	1.47	1.58
23	---	---	---	---	---	1.36	1.28	.83	1.43	1.39	1.47	1.57
24	---	---	---	---	---	1.35	1.25	.81	1.45	1.43	1.47	1.57
25	---	---	---	---	---	1.34	1.22	.81	1.48	1.42	1.50	1.56
26	---	---	---	---	---	1.35	1.19	.80	1.47	1.40	1.55	1.56
27	---	---	---	---	---	1.35	1.17	.77	1.47	1.40	1.56	1.58
28	---	---	---	---	---	1.33	1.17	.91	1.46	1.42	1.56	1.60
29	---	---	---	---	---	1.31	1.14	1.04	1.45	1.46	1.60	1.66
30	---	---	---	---	---	1.31	1.13	1.28	1.44	1.47	1.68	1.66
31	---	---	---	---	---	1.36	---	1.50	---	1.48	1.72	---
TOTAL	---	---	---	---	---	---	39.01	29.17	43.89	44.26	46.39	48.80
MEAN	---	---	---	---	---	---	1.30	.94	1.46	1.43	1.50	1.63
MAX	---	---	---	---	---	---	1.39	1.50	1.59	1.55	1.72	1.78
MIN	---	---	---	---	---	---	1.13	.76	1.42	1.34	1.43	1.56

2522036080324300 EVERGLADES 4 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'36", long 80°32'43", in sec.30, T.58 S., R.38 E., Dade County, Hydrologic Unit 03090202, approximately 1 mi west of S-18-C and approximately 1.3 mi west of S-18-C and approximately 1.3 mi east of Aerojet Road.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

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

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.33 ft Aug. 16, 1988; minimum, 0.47 ft June 20-22, 1989.

NO DATA AVAILABLE
GAGE DESTROYED JUNE 8, 1992

252043080302400 EVERGLADES 3 IN C-111 BASIN NEAR HOMESTEAD, FL

LOCATION.--Lat 25°20'43", long 80°30'24", in sec.23, T.58 S., R.38 E., Dade County, Hydrologic Unit 03090202, approximately 1.5 mi north-northeast of S-18-C and approximately 3.2 mi west of U.S. Highway 1 southwest of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year.

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

REMARKS.--Data prior to 1993 water year are unpublished and in files of the Geological Survey.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum mean daily gage height, 3.51 ft Aug. 16, 1988; minimum, 0.40 ft May 17, 1991.

EXTREME STAGES FOR CURRENT YEAR.--Maximum mean daily gage height, 2.54 ft Sept. 3; minimum, 1.52 ft May 27.

STATION NUMBER 252043080302400
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	2.06	2.33	1.91	2.21	2.13	2.12	1.91	2.16	2.13	2.18	2.42
2	2.49	2.05	2.31	1.98	2.18	2.12	2.10	1.90	2.16	2.15	2.15	2.49
3	2.49	2.05	2.28	2.04	2.16	2.11	2.08	1.89	2.17	2.13	2.14	2.54
4	2.48	2.12	2.25	2.06	2.13	2.08	2.07	1.88	2.18	2.12	2.11	2.53
5	2.45	2.11	2.23	2.06	2.13	2.05	2.10	1.84	2.19	2.10	2.09	2.51
6	2.42	2.10	2.22	2.08	2.14	2.04	2.10	1.83	2.22	2.08	2.08	2.49
7	2.38	2.10	2.21	2.08	2.13	2.03	2.09	1.81	2.23	2.08	2.08	2.47
8	2.35	2.10	2.20	2.08	2.11	2.01	2.08	1.79	2.24	2.12	2.09	2.44
9	2.32	2.15	2.19	2.26	2.09	2.00	2.08	1.79	2.23	2.09	2.11	2.41
10	2.29	2.21	2.18	2.38	2.08	1.99	2.09	1.81	2.21	2.07	2.13	2.38
11	2.26	2.22	2.16	2.42	2.08	1.98	2.08	1.80	2.22	2.08	2.13	2.35
12	2.24	2.21	2.14	2.44	2.09	1.93	2.07	1.79	2.20	2.08	2.19	2.34
13	2.22	2.20	2.12	2.43	2.09	2.02	2.06	1.78	2.17	2.06	2.31	2.34
14	2.19	2.20	2.10	2.42	2.08	2.01	2.04	1.74	2.13	2.07	2.32	2.35
15	2.16	2.17	2.08	2.41	2.08	2.00	2.03	1.71	2.14	2.07	2.27	2.39
16	2.15	2.15	2.06	2.42	2.08	2.00	2.05	1.68	2.20	2.08	2.23	2.42
17	2.20	2.13	2.04	2.42	2.08	2.04	2.05	1.65	2.20	2.08	2.20	2.46
18	2.26	2.15	2.03	2.40	2.08	2.14	2.04	1.63	2.19	2.10	2.20	2.45
19	2.24	2.17	2.01	2.39	2.07	2.12	2.03	1.65	2.19	2.11	2.16	2.42
20	2.21	2.21	1.99	2.37	2.06	2.09	2.02	1.67	2.19	2.17	2.15	2.40
21	2.19	2.27	1.98	2.36	2.05	2.06	2.01	1.67	2.19	2.27	2.17	2.37
22	2.17	2.35	1.96	2.34	2.05	2.03	2.00	1.65	2.19	2.24	2.20	2.35
23	2.14	2.41	1.96	2.33	2.16	2.01	1.98	1.63	2.20	2.23	2.18	2.32
24	2.12	2.45	1.95	2.30	2.16	2.00	1.97	1.60	2.21	2.22	2.16	2.31
25	2.10	2.46	1.95	2.28	2.15	2.01	1.96	1.57	2.20	2.20	2.16	2.29
26	2.08	2.45	1.94	2.32	2.15	2.04	1.95	1.54	2.19	2.17	2.18	2.26
27	2.07	2.44	1.94	2.31	2.15	2.06	1.95	1.52	2.18	2.16	2.18	2.25
28	2.07	2.43	1.93	2.29	2.14	2.06	1.96	1.57	2.18	2.17	2.21	2.24
29	2.07	2.39	1.92	2.27	---	2.06	1.94	1.64	2.17	2.20	2.27	2.26
30	2.07	2.36	1.91	2.25	---	2.08	1.93	1.86	2.14	2.20	2.34	2.25
31	2.06	---	1.91	2.23	---	2.14	---	2.04	---	2.19	2.39	---
TOTAL	69.42	66.87	64.48	70.33	59.16	63.44	61.03	53.94	65.67	66.22	67.76	71.50
MEAN	2.24	2.23	2.08	2.27	2.11	2.05	2.03	1.74	2.19	2.14	2.19	2.38
MAX	2.49	2.46	2.33	2.44	2.21	2.14	2.12	2.04	2.24	2.27	2.39	2.54
MIN	2.06	2.05	1.91	1.91	2.05	1.93	1.93	1.52	2.13	2.06	2.08	2.24

02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

LOCATION.--Lat 25°57'28", long 81°21'19", in NW1/4 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, non-recording gage.

REMARKS.--Records fair, except for estimated discharge which are poor. Flow regulated by operation of control structure at, above, and below station, and is occasio33nally affected by tide. Overbank flow not included in discharge figures.

ANNUAL MEAN and ANNUAL SUMMARY STATISTICS.--Figures represent 40 complete years of discharge (1952-87, 1989-93)

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of October 1947 reached a stage of about 7 ft, from information by local resident.

STATION NUMBER 02291000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.59	5.02	4.99	4.28	5.50	5.29	5.33	4.79	5.30	---	5.75	5.49
2	5.57	4.98	5.01	4.34	5.49	5.28	5.29	4.70	5.26	---	5.76	5.56
3	5.57	4.94	4.99	4.34	5.48	5.27	5.24	4.63	5.21	---	5.74	5.59
4	5.58	---	4.95	4.30	5.46	5.33	5.20	4.57	5.18	---	5.71	5.67
5	5.59	---	4.91	4.30	5.45	5.31	5.28	4.47	5.21	---	5.66	5.69
6	5.55	---	4.88	4.28	5.44	5.29	5.25	4.38	5.31	---	5.61	5.70
7	5.52	4.89	4.86	4.76	5.42	5.27	5.21	4.34	5.34	---	5.56	5.69
8	5.48	4.86	4.83	4.66	5.41	5.25	5.17	4.55	5.34	---	5.51	5.68
9	5.44	4.87	4.81	5.43	5.39	5.23	5.16	4.64	5.31	---	5.47	5.70
10	5.41	4.96	4.79	5.38	5.37	5.20	5.16	4.45	5.31	---	5.45	5.68
11	5.38	4.95	4.75	5.37	5.35	5.17	5.10	4.29	5.50	---	5.47	5.65
12	5.38	4.93	4.69	5.38	5.34	5.14	5.04	4.18	5.55	---	5.44	5.62
13	5.37	4.90	4.66	5.41	5.32	5.24	4.98	4.11	5.55	---	5.41	5.59
14	5.33	4.86	4.62	5.44	5.30	5.22	4.91	4.07	5.53	---	5.36	5.58
15	5.31	4.81	4.60	5.45	5.28	5.17	4.88	3.92	5.47	5.29	5.32	5.59
16	5.30	4.77	4.57	5.51	5.26	5.13	5.52	3.82	5.40	5.28	5.32	5.57
17	5.26	4.75	4.57	5.53	5.25	5.19	5.50	3.71	5.38	5.26	5.32	5.54
18	5.22	4.76	4.54	5.51	5.23	5.26	5.47	3.66	5.36	5.25	5.29	5.51
19	5.19	4.73	4.51	5.49	5.20	5.23	5.43	3.58	5.34	5.33	5.26	5.51
20	5.15	4.85	4.48	5.48	5.17	5.23	5.39	3.47	5.34	5.46	5.25	5.53
21	5.14	5.02	4.45	5.47	5.15	5.24	5.36	3.35	---	5.50	5.24	5.50
22	5.11	5.03	4.44	5.46	5.14	5.32	5.33	3.24	---	5.52	5.20	5.48
23	5.09	5.09	4.41	5.45	5.30	5.36	5.28	3.15	---	5.46	5.19	5.45
24	5.07	5.08	4.42	5.45	5.26	5.42	5.24	3.07	---	5.41	5.20	5.44
25	5.04	5.07	4.40	5.45	5.26	5.44	5.20	3.00	---	5.37	5.19	5.43
26	5.22	5.05	4.37	5.56	5.29	5.46	5.15	2.93	---	5.40	5.22	5.41
27	5.27	5.05	4.33	5.56	5.32	5.45	5.12	2.85	---	5.56	5.24	5.40
28	5.22	5.04	4.31	5.53	5.31	5.44	5.08	2.96	---	5.58	5.26	5.43
29	5.16	5.04	4.29	5.52	---	5.41	4.98	3.33	---	5.61	5.28	5.57
30	5.10	5.00	4.27	5.51	---	5.38	4.89	5.27	---	5.64	5.35	5.58
31	5.06	---	4.26	5.51	---	5.35	---	5.32	---	5.71	5.45	---
TOTAL	164.67	---	142.96	161.11	149.14	163.97	156.14	122.80	---	---	167.48	166.83
MEAN	5.31	---	4.61	5.20	5.33	5.29	5.20	3.96	---	---	5.40	5.56
MAX	5.59	---	5.01	5.56	5.50	5.46	5.52	5.32	---	---	5.76	5.70
MIN	5.04	---	4.26	4.28	5.14	5.13	4.88	2.85	---	---	5.19	5.40

02291000 BARRON RIVER CANAL NEAR EVERGLADES, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	45	54	45	78	67	64	51	60	e65	82	84
2	126	44	55	47	78	66	63	49	59	e65	83	87
3	126	44	55	47	77	66	62	47	57	e66	82	88
4	126	e44	54	46	77	67	61	45	56	e67	82	88
5	126	e42	54	47	76	66	64	42	57	e68	81	89
6	126	e41	53	46	76	66	64	40	59	e69	79	89
7	127	44	53	60	75	65	63	38	60	e72	78	89
8	128	43	52	57	74	64	62	44	60	e87	77	89
9	128	44	52	80	74	63	62	46	59	e107	77	89
10	129	46	52	78	73	62	62	41	59	e99	76	89
11	129	47	51	78	72	61	61	37	64	e86	77	89
12	129	46	50	78	72	59	60	34	66	e68	77	88
13	128	46	49	79	71	62	58	32	66	e56	76	88
14	120	45	48	79	70	61	57	31	65	e52	75	87
15	113	44	48	80	70	60	56	27	62	52	74	87
16	107	44	48	81	69	58	76	25	60	51	74	86
17	102	43	48	81	68	59	75	22	59	50	74	85
18	96	44	47	81	67	61	74	21	58	50	74	84
19	91	44	47	80	66	60	72	19	58	52	73	84
20	85	47	46	80	65	60	71	17	58	55	73	84
21	81	52	46	79	65	60	70	14	e59	57	73	83
22	76	53	46	79	64	62	69	12	e60	59	72	82
23	72	55	46	78	69	63	67	11	e60	58	72	81
24	67	55	46	78	67	64	66	9.4	e60	58	73	80
25	63	55	46	78	67	65	64	8.1	e61	59	73	80
26	53	55	45	81	68	65	62	7.1	e62	61	74	79
27	50	55	45	80	68	65	61	5.9	e63	69	75	79
28	49	55	44	80	68	65	60	7.4	e63	71	76	79
29	48	55	44	79	---	65	57	13	e63	74	77	84
30	47	54	44	79	---	64	54	60	e63	76	79	84
31	46	---	44	79	---	64	---	61	---	80	83	---
TOTAL	3019	1431	1512	2220	1984	1955	1917	916.9	1816	2059	2371	2554
MEAN	97.4	47.7	48.8	71.6	70.9	63.1	63.9	29.6	60.5	66.4	76.5	85.1
MAX	129	55	55	81	78	67	76	61	66	107	83	89
MIN	46	41	44	45	64	58	54	5.9	56	50	72	79
AC-FT	5990	2840	3000	4400	3940	3880	3800	1820	3600	4080	4700	5070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1993, BY WATER YEAR (WY)

MEAN	152	115	84.5	73.8	66.4	57.1	39.1	31.1	77.3	121	147	167
MAX	231	248	220	218	199	225	192	173	196	239	230	233
(WY)	1960	1960	1960	1958	1958	1970	1958	1958	1969	1970	1982	1973
MIN	13.4	5.09	1.65	.000	.000	.000	.000	.000	.000	.013	1.21	5.25
(WY)	1990	1991	1989	1989	1989	1989	1989	1989	1985	1989	1989	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1952 - 1993	
ANNUAL TOTAL	23518		23754.9			
ANNUAL MEAN	64.3		65.1		94.5	
HIGHEST ANNUAL MEAN					189	1958
LOWEST ANNUAL MEAN					3.52	1989
HIGHEST DAILY MEAN	144	Jul 24	129	Oct 10	292	Sep 25 1962
LOWEST DAILY MEAN*	11	Jun 2	5.9	May 27	.00	May 17 1952
ANNUAL SEVEN-DAY MINIMUM	12	May 29	8.7	May 22	.00	May 17 1975
INSTANTANEOUS PEAK FLOW			129	Oct 10	292	Sep 25 1962
INSTANTANEOUS PEAK STAGE					6.57	Sep 4 1983
INSTANTANEOUS LOW FLOW			5.0	May 28		
ANNUAL RUNOFF (AC-FT)	46650		47120		68470	
10 PERCENT EXCEEDS	123		86		199	
50 PERCENT EXCEEDS	52		64		83	
90 PERCENT EXCEEDS	26		44		6.4	

e Estimated
* No flow for one or more days during the period of record.

02291200 LAKE TRAFFORD NEAR IMMOKALEE, FL

LOCATION.--Lat 26°26'08", long 81°29'25", in NW1/4 sec.35, T.46 S., R.28 E., Collier County, Hydrologic Unit 03090204, at county boat ramp dock, on north side of lake and 4.2 mi west of Immokalee.

SURFACE AREA.--1,485 acres.

DRAINAGE AREA.--27 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 above 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 non-recording gage in canal at county boat landing, 0.3 mi southeast. Oct. 1, 1962, to Nov. 25, 1968, non-recording gage at same site and datum. Gage readings have been reduced to elevations NGVD. Gage relocated Mar. 30, 1988 because of excessive aquatic growth in ditch causing erroneous record at low stage).

REMARKS.--Lake is landlocked except above an elevation of about 21 ft, when there is overflow to the south into Corkscrew Swamp.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum elevation, 22.79 ft Sept. 23, 1947; minimum, 15.90 ft estimated June 6-10, 1962.

EXTREME STAGES FOR CURRENT YEAR.--Maximum elevation, 20.82 ft Oct. 4; minimum, 19.56 ft June 20.

STATION NUMBER 02291200
ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.77	20.32	20.09	19.84	20.50	20.40	20.48	20.18	19.78	19.83	19.82	19.91
2	20.76	20.30	20.09	19.86	20.48	20.40	20.46	20.16	19.77	19.83	19.81	19.94
3	20.78	20.29	20.07	19.85	20.47	20.40	20.43	20.15	19.76	19.85	19.80	19.95
4	20.80	20.28	20.07	19.86	20.47	20.39	20.42	20.14	19.76	19.84	19.78	19.96
5	20.80	20.27	20.06	19.86	20.46	20.37	20.51	20.12	19.79	19.84	19.76	19.96
6	20.77	20.25	20.05	19.86	20.46	20.36	20.50	20.09	19.77	19.82	19.74	20.01
7	20.76	20.22	20.05	19.86	20.47	20.35	20.47	20.07	19.75	19.81	19.72	20.19
8	20.75	20.20	20.04	19.88	20.45	20.33	20.46	20.05	19.73	19.80	19.69	20.37
9	20.74	20.18	20.03	20.11	20.44	20.32	20.46	20.03	19.71	19.79	19.67	20.45
10	20.72	20.18	20.02	20.14	20.43	20.31	20.46	20.01	19.68	19.78	19.65	20.47
11	20.71	20.18	20.01	20.17	20.43	20.29	20.43	19.99	19.66	19.77	19.64	20.49
12	20.68	20.18	20.00	20.18	20.50	20.28	20.42	19.97	19.64	19.76	19.64	20.52
13	20.66	20.17	19.98	20.19	20.49	20.36	20.41	19.96	19.64	19.75	19.67	20.53
14	20.64	20.14	19.97	20.20	20.47	20.30	20.39	19.94	19.68	19.79	19.67	20.55
15	20.62	20.11	19.97	20.20	20.47	20.27	20.37	19.90	19.67	19.81	19.65	20.57
16	20.60	20.09	19.96	20.24	20.46	20.27	20.46	19.88	19.67	19.79	19.65	20.58
17	20.58	20.08	19.95	20.24	20.45	20.33	20.44	19.85	19.68	19.78	19.66	20.57
18	20.56	20.07	19.95	20.24	20.42	20.44	20.43	19.84	19.66	19.79	19.64	20.57
19	20.53	20.06	19.94	20.23	20.39	20.42	20.41	19.82	19.64	19.77	19.64	20.56
20	20.50	20.08	19.93	20.23	20.39	20.44	20.40	19.81	19.63	19.74	19.62	20.54
21	20.48	20.14	19.92	20.23	20.38	20.48	20.39	19.78	19.63	19.72	19.61	20.54
22	20.46	20.15	19.92	20.23	20.39	20.49	20.37	19.74	19.63	19.70	19.60	20.53
23	20.45	20.17	19.91	20.22	20.39	20.49	20.36	19.71	19.63	19.68	19.62	20.51
24	20.44	20.17	19.90	20.22	20.37	20.49	20.34	19.69	19.62	19.71	19.67	20.49
25	20.43	20.17	19.88	20.23	20.36	20.51	20.32	19.67	19.63	19.73	19.71	20.47
26	20.41	20.16	19.88	20.43	20.39	20.53	20.31	19.65	19.67	19.73	19.75	20.45
27	20.39	20.16	19.88	20.46	20.42	20.53	20.28	19.62	19.81	19.72	19.74	20.46
28	20.37	20.14	19.86	20.48	20.41	20.52	20.25	19.61	19.86	19.73	19.75	20.48
29	20.36	20.12	19.85	20.49	---	20.50	20.23	19.66	19.85	19.74	19.77	20.47
30	20.35	20.10	19.84	20.49	---	20.49	20.21	19.79	19.84	19.79	19.83	20.45
31	20.33	---	19.84	20.50	---	20.49	---	19.79	---	19.82	19.89	---
TOTAL	638.20	605.13	618.91	625.22	572.21	632.55	611.87	616.67	591.24	613.01	610.86	611.54
MEAN	20.59	20.17	19.96	20.17	20.44	20.40	20.40	19.89	19.71	19.77	19.71	20.38
MAX	20.80	20.32	20.09	20.50	20.50	20.53	20.51	20.18	19.86	19.85	19.89	20.58
MIN	20.33	20.06	19.84	19.84	20.36	20.27	20.21	19.61	19.62	19.68	19.60	19.91

02291500 IMPERIAL RIVER NEAR BONITA SPRINGS, FL

LOCATION.--Lat 26°20'07", long 81°44'59", in SW1/4 sec.31, T.47 S., R.26 E., Lee County, Hydrologic Unit 03090204, (Bonita Springs Quadrangle), on left bank, 4 ft downstream of bridge on Orr Road, 0.3 mi north of Bonita Beach Road, 2.0 mi east of U.S. Highway 41 at Bonita Springs, and 7.4 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.-- May 1940 to November 1954, February 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. May 1940 to November 1954, water-stage recorder at wooden control on right bank, 1 1/2 mi east of Bonita Springs (lat 26°20'05", long 81°45'20"). Prior to Sept. 10, 1941, staff gage at same site and datum. Revised.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 20 complete water years of discharge (1941-54, 1988-93).

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

EXTREME OUTSIDE PERIOD OF RECORD.--Maximum stage 13.40 ft, from flood marks June 15, 1936.

STATION NUMBER 02291500
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.28	4.27	3.62	3.40	3.49	3.38	5.10	3.57	3.56	3.74	4.62	8.41
2	8.13	4.24	3.61	3.41	3.48	3.37	4.93	3.54	3.56	3.74	4.79	8.42
3	8.26	4.19	3.59	3.40	3.46	3.36	4.68	3.52	3.56	3.75	4.74	8.17
4	8.16	4.15	3.58	3.39	3.51	3.36	4.49	3.50	3.56	3.77	4.66	7.80
5	7.99	4.12	3.58	3.39	3.63	3.36	4.95	3.49	3.56	3.80	4.55	7.38
6	7.76	4.10	3.57	3.39	3.45	3.35	5.14	3.47	3.56	3.84	4.45	7.06
7	7.56	4.08	3.56	3.38	3.43	3.34	4.98	3.46	3.56	4.02	4.37	6.88
8	7.37	4.04	3.56	3.40	3.43	3.33	4.86	3.47	3.55	4.91	4.30	7.39
9	7.17	4.02	3.56	4.17	3.56	3.33	4.75	3.48	3.55	5.06	4.23	7.39
10	6.97	4.00	3.56	4.02	3.58	3.32	4.76	3.45	3.55	4.93	4.22	7.33
11	6.81	3.98	3.56	3.75	3.55	3.31	4.60	3.45	3.54	4.79	4.40	7.14
12	6.61	3.98	3.54	3.66	3.60	3.30	4.44	3.46	3.56	4.69	4.92	7.38
13	6.43	3.97	3.52	3.62	3.45	3.51	4.34	3.48	3.56	4.89	5.07	8.80
14	6.23	3.93	3.51	3.61	3.44	3.35	4.25	3.50	3.56	5.15	4.99	8.50
15	6.07	3.89	3.50	3.61	3.42	3.34	4.16	3.52	3.57	5.33	4.88	8.17
16	5.94	3.85	3.49	3.75	3.40	3.32	4.28	3.51	3.57	5.38	4.78	7.79
17	5.78	3.83	3.48	3.69	3.42	3.37	4.36	3.50	3.57	5.28	4.78	7.42
18	5.63	3.80	3.48	3.57	3.41	3.57	4.30	3.47	3.56	5.12	4.79	7.05
19	5.51	3.77	3.47	3.51	3.36	3.74	4.22	3.49	3.55	4.95	4.68	6.78
20	5.35	3.75	3.46	3.49	3.33	3.72	4.15	3.50	3.57	4.81	4.55	6.53
21	5.20	3.77	3.45	3.48	3.31	3.76	4.09	3.49	3.58	4.65	4.44	6.37
22	5.07	3.77	3.44	3.47	3.31	3.85	4.03	3.47	3.58	4.50	4.36	6.59
23	4.97	3.75	3.44	3.45	3.33	4.31	3.97	3.45	3.59	4.39	4.33	6.47
24	4.91	3.74	3.43	3.43	3.33	4.61	3.90	3.44	3.60	4.32	4.34	6.31
25	4.82	3.73	3.42	3.46	3.32	5.03	3.83	3.43	3.62	4.28	4.36	6.11
26	4.71	3.71	3.42	3.76	3.35	6.23	3.77	3.42	3.62	4.28	4.45	5.94
27	4.61	3.70	3.42	3.65	3.36	6.52	3.76	3.41	3.65	4.25	4.79	5.77
28	4.47	3.69	3.41	3.57	3.38	6.44	3.70	3.44	3.67	4.20	5.04	5.56
29	4.42	3.67	3.42	3.54	---	6.09	3.65	3.48	3.69	4.15	5.22	5.70
30	4.36	3.65	3.41	3.53	---	5.73	3.61	3.52	3.70	4.12	6.40	5.54
31	4.31	---	3.39	3.51	---	5.39	---	3.54	---	4.28	7.96	---
TOTAL	189.86	117.14	108.45	110.46	96.09	125.99	130.05	107.92	107.48	139.37	148.46	212.15
MEAN	6.12	3.90	3.50	3.56	3.43	4.06	4.33	3.48	3.58	4.50	4.79	7.07
MAX	8.28	4.27	3.62	4.17	3.63	6.52	5.14	3.57	3.70	5.38	7.96	8.80
MIN	4.31	3.65	3.39	3.38	3.31	3.30	3.61	3.41	3.54	3.74	4.22	5.54

02291500 IMPERIAL RIVER NEAR BONITA SPRINGS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	42	16	12	17	12	69	13	11	10	33	290
2	307	41	15	12	16	12	60	12	11	9.8	39	290
3	327	38	14	12	16	11	51	11	11	9.9	37	264
4	322	36	14	12	17	11	44	11	11	10	34	228
5	311	34	14	12	22	11	62	10	11	11	30	190
6	292	33	14	12	16	11	69	9.6	11	12	27	163
7	277	32	13	12	15	10	61	9.2	11	17	24	148
8	264	31	13	13	15	10	57	9.5	10	47	22	189
9	250	30	13	39	19	9.9	53	9.5	9.8	52	19	189
10	237	30	13	33	20	9.6	53	8.7	9.4	47	19	183
11	226	29	13	24	19	9.0	48	8.7	9.0	42	24	167
12	214	29	13	21	20	8.7	42	9.0	9.2	38	42	191
13	203	28	13	20	16	15	38	9.4	9.0	45	47	331
14	189	27	13	20	15	9.8	35	10	8.6	54	44	294
15	174	25	12	20	14	9.3	32	10	9.0	61	40	260
16	161	24	12	25	14	8.6	36	10	8.8	63	37	225
17	147	23	12	23	14	9.8	39	9.9	8.3	59	37	194
18	134	22	12	19	14	16	37	9.0	7.8	53	37	163
19	124	21	12	17	12	21	34	9.6	7.4	46	33	143
20	110	20	12	16	11	20	31	9.7	7.6	41	28	125
21	99	21	12	16	11	21	29	9.4	7.8	36	24	115
22	89	21	11	16	11	24	27	8.7	7.6	30	21	132
23	82	20	12	15	11	40	25	8.1	7.6	26	20	124
24	77	20	11	15	11	50	23	7.9	7.7	24	20	114
25	70	19	12	16	11	70	21	7.4	7.8	22	21	102
26	63	19	11	25	11	148	19	6.9	7.8	22	24	92
27	59	18	12	22	12	170	18	6.6	8.3	21	35	82
28	52	18	11	19	12	164	17	7.4	8.7	19	44	71
29	50	17	12	18	---	135	15	8.6	9.0	18	50	80
30	47	16	12	18	---	109	14	9.6	9.2	17	116	72
31	45	---	11	18	---	86	---	10	---	22	247	---
TOTAL	5318	784	390	572	412	1251.7	1159	289.4	272.4	984.7	1275	5211
MEAN	172	26.1	12.6	18.5	14.7	40.4	38.6	9.34	9.08	31.8	41.1	174
MAX	327	42	16	39	22	170	69	13	11	63	247	331
MIN	45	16	11	12	11	8.6	14	6.6	7.4	9.8	19	71
AC-FT	10550	1560	774	1130	817	2480	2300	574	540	1950	2530	10340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

MEAN	225	55.9	20.3	16.2	16.0	27.4	25.9	9.97	56.7	300	212	228
MAX	278	85.6	28.0	18.5	17.2	40.4	38.6	10.6	104	569	383	283
(WY)	1992	1992	1992	1993	1992	1993	1993	1992	1992	1992	1992	1992
MIN	172	26.1	12.6	14.0	14.7	14.4	13.1	9.34	9.08	31.8	41.1	174
(WY)	1993	1993	1993	1992	1993	1992	1992	1993	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1992 - 1993	
ANNUAL TOTAL	49736.8		17919.2			
ANNUAL MEAN	136		49.1		100	
HIGHEST ANNUAL MEAN					151	1992
LOWEST ANNUAL MEAN					49.1	1993
HIGHEST DAILY MEAN	1030	Jul 2	331	Sep 13	1030	Jul 2 1992
LOWEST DAILY MEAN	2.7	Jun 1	6.6	May 27	2.7	Jun 1 1992
ANNUAL SEVEN-DAY MINIMUM	3.2	May 31	7.6	May 23	3.2	May 31 1992
INSTANTANEOUS PEAK FLOW			340	Sep 13	2890	Sep 12 1940
INSTANTANEOUS PEAK STAGE			8.87	Sep 13	12.84	Jul 1 1992
INSTANTANEOUS LOW FLOW			6.3	May 27	.00	Jun 28 1940
ANNUAL RUNOFF (AC-FT)	98650		35540		72560	
10 PERCENT EXCEEDS	415		153		330	
50 PERCENT EXCEEDS	17		20		21	
90 PERCENT EXCEEDS	11		9.3		9.8	

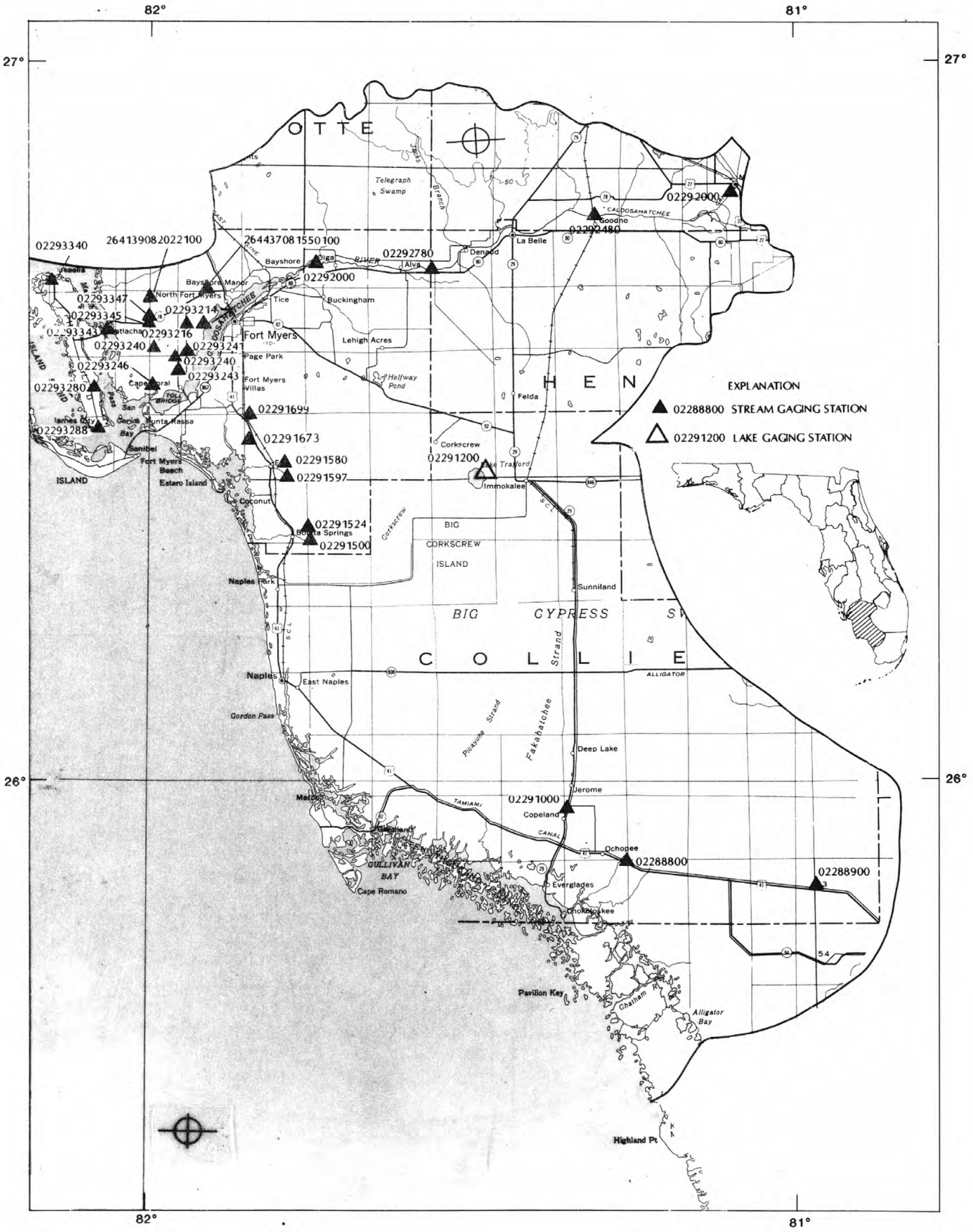


FIGURE 9. Location of gaging stations in the Big Cypress Swamp and southwestern coastal area; the Caloosahatchee River; the Lake Trafford; Charlotte Harbor and the Coastal area.

02291524 SPRING CREEK HEADWATER NEAR BONITA SPRINGS, FL

LOCATION.--Lat 26°21'42", long 81°47'27", in SE1/4 sec.22, T.47 S., R.25 E., Lee County, Hydrologic Unit 03090204, (Bonita Springs Quadrangle) at culvert on State Road 887, 1.8 mi north of Bonita Springs, 4.7 mi upstream from mouth and 5.6 mi south of Estero.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Florida State Road Department Bench Mark.

REMARKS.--Records good except for estimated daily discharges which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02291524
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.10	6.67	6.55	6.48	6.68	6.64	6.79	6.57	6.45	6.64	7.28	---
2	7.09	6.65	6.55	6.49	6.66	6.63	6.78	6.56	6.43	6.70	7.29	---
3	7.12	6.65	6.55	6.48	6.65	6.62	6.77	6.55	6.42	6.71	7.23	---
4	7.32	6.64	6.55	6.48	6.64	6.61	6.76	6.54	6.41	6.70	7.20	---
5	7.44	6.64	6.54	6.48	6.63	6.61	6.93	6.53	6.39	6.68	7.08	---
6	7.30	6.64	6.52	6.48	6.63	6.60	6.95	6.52	6.38	6.68	6.98	---
7	7.18	6.66	6.52	6.48	6.62	6.59	6.88	6.51	6.37	6.68	6.88	---
8	7.08	6.66	6.52	6.49	6.62	6.60	6.83	6.51	6.36	6.67	6.80	---
9	7.02	6.64	6.53	6.71	6.62	6.60	6.82	6.56	6.36	6.66	6.69	---
10	6.95	6.63	6.53	6.76	6.62	6.60	6.83	6.55	6.35	6.64	6.55	---
11	6.91	6.64	6.53	6.77	6.61	6.60	6.80	6.54	6.35	6.68	6.54	---
12	6.88	6.67	6.53	6.77	6.67	6.59	6.77	6.53	6.43	6.85	6.52	---
13	6.85	6.66	6.53	6.76	6.68	6.64	6.75	6.52	6.40	6.90	6.45	---
14	6.82	6.64	6.52	6.74	6.68	6.63	6.73	6.51	6.40	7.05	6.39	---
15	6.81	6.63	6.52	6.73	6.67	6.63	6.72	6.50	6.42	7.07	6.35	7.24
16	6.79	6.62	6.52	6.75	6.66	6.61	6.79	6.49	6.47	7.05	6.51	7.17
17	6.78	6.61	6.51	6.76	6.64	6.61	6.83	6.48	6.52	6.98	---	7.10
18	6.78	6.61	6.51	6.74	6.63	6.74	6.81	6.46	6.52	6.91	---	7.15
19	6.77	6.61	6.50	6.71	6.63	6.76	6.79	6.46	6.52	6.85	---	7.15
20	6.75	6.60	6.50	6.70	6.62	6.76	6.75	6.45	6.53	6.78	---	7.11
21	6.74	6.60	6.50	6.68	6.62	6.75	6.72	6.44	6.53	6.73	---	7.04
22	6.74	6.60	6.50	6.67	6.60	6.75	6.70	6.43	6.52	6.70	---	6.99
23	6.73	6.60	6.50	6.66	6.60	6.81	6.69	6.42	6.51	6.68	---	6.97
24	6.72	6.60	6.49	6.65	6.59	6.84	6.66	6.41	6.52	6.66	---	6.92
25	6.71	6.59	6.49	6.65	6.58	6.90	6.64	6.41	6.57	6.68	---	6.89
26	6.71	6.58	6.49	6.71	6.60	7.01	6.61	6.40	6.62	6.69	---	6.95
27	6.70	6.58	6.49	6.74	6.64	6.95	6.63	6.39	6.64	6.70	---	6.97
28	6.69	6.57	6.49	6.74	6.64	6.89	6.62	6.41	6.63	6.68	---	6.93
29	6.69	6.57	6.48	6.72	---	6.86	6.60	6.43	6.61	6.65	---	7.08
30	6.68	6.57	6.48	6.71	---	6.84	6.58	6.43	6.59	6.63	---	7.11
31	6.68	---	6.47	6.69	---	6.81	---	6.46	---	6.87	---	---
TOTAL	213.53	198.63	201.91	206.38	185.73	208.08	202.53	200.97	194.22	209.55	---	---
MEAN	6.89	6.62	6.51	6.66	6.63	6.71	6.75	6.48	6.47	6.76	---	---
MAX	7.44	6.67	6.55	6.77	6.68	7.01	6.95	6.57	6.64	7.07	---	---
MIN	6.68	6.57	6.47	6.48	6.58	6.59	6.58	6.39	6.35	6.63	---	---

02291524 SPRING CREEK HEADWATER NEAR BONITA SPRINGS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	3.2	1.5	.63	5.0	3.6	6.0	2.6	1.5	2.5	17	e57
2	13	2.9	1.5	.73	4.7	3.5	5.9	2.4	1.3	3.2	18	e48
3	13	2.8	1.5	.62	4.4	3.3	5.6	2.3	1.0	3.3	16	e40
4	19	2.7	1.5	.62	4.4	3.2	5.5	2.2	1.0	3.0	16	e29
5	22	2.6	1.4	.62	4.2	2.9	9.0	2.0	.88	2.6	13	e26
6	18	2.7	1.1	.62	4.2	2.8	9.5	1.8	.70	2.5	10	e26
7	14	3.0	1.1	.62	4.1	2.7	7.9	1.7	.62	2.3	8.2	e29
8	12	2.9	1.1	.78	4.1	2.8	6.9	1.8	.51	2.1	6.4	e26
9	10	2.6	1.2	4.2	4.1	2.8	6.6	2.6	.45	1.9	4.6	e25
10	8.5	2.5	1.2	5.7	4.0	2.8	7.0	2.5	.28	1.6	2.1	e38
11	7.4	2.7	1.2	6.4	3.7	2.8	6.5	2.4	.26	2.1	1.8	e41
12	6.9	3.1	1.2	6.4	4.8	2.7	5.9	2.3	.95	4.9	1.4	e31
13	6.3	3.0	1.2	6.2	5.0	3.5	5.4	2.0	.57	5.8	.59	e24
14	5.7	2.7	1.1	5.9	4.9	3.3	4.9	1.9	.52	8.8	.14	e16
15	5.3	2.4	1.1	5.5	4.7	3.2	4.8	1.7	.62	9.5	.09	14
16	5.1	2.3	1.1	6.2	4.5	2.8	6.3	1.7	1.3	9.0	1.2	12
17	5.0	2.2	.98	6.4	4.1	3.0	7.0	1.6	1.8	7.6	e2.4	10
18	5.0	2.2	.96	6.0	3.9	5.2	6.9	1.4	1.8	6.2	e4.1	12
19	4.7	2.2	.90	5.5	3.8	5.6	6.4	1.3	1.6	5.2	e8.2	12
20	4.4	2.1	.85	5.1	3.7	5.6	5.7	1.2	1.6	3.9	e6.0	11
21	4.2	2.1	.85	4.9	3.6	5.5	5.0	1.0	1.7	3.2	e4.1	9.1
22	4.2	2.1	.85	4.6	3.1	5.4	4.6	.97	1.3	2.8	e2.4	7.9
23	4.0	2.1	.85	4.4	3.1	6.7	4.3	.94	1.2	2.5	e1.5	7.8
24	3.9	2.1	.79	4.2	2.9	7.3	3.9	.85	1.3	2.3	e8.2	6.7
25	3.7	1.9	.73	4.4	2.8	8.6	3.6	.80	1.8	2.6	e24	6.0
26	3.6	1.8	.73	5.7	3.2	11	3.2	.69	2.5	3.1	e34	7.4
27	3.5	1.8	.73	6.3	3.7	9.8	3.6	.59	2.7	3.2	e53	7.6
28	3.4	1.8	.73	6.1	3.7	8.4	3.3	.89	2.5	3.0	e72	6.9
29	3.3	1.8	.62	5.9	---	7.7	2.9	1.2	2.1	2.6	e89	10
30	3.3	1.7	.59	5.5	---	7.1	2.7	1.2	1.7	2.4	e102	11
31	3.3	---	.54	5.3	---	6.4	---	1.7	---	7.5	e72	---
TOTAL	238.7	72.0	31.70	132.04	112.4	152.0	166.8	50.23	38.06	123.2	599.42	607.4
MEAN	7.70	2.40	1.02	4.26	4.01	4.90	5.56	1.62	1.27	3.97	19.3	20.2
MAX	22	3.2	1.5	6.4	5.0	11	9.5	2.6	2.7	9.5	102	57
MIN	3.3	1.7	.54	.62	2.8	2.7	2.7	.59	.26	1.6	.09	6.0
AC-FT	473	143	63	262	223	301	331	100	75	244	1190	1200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	9.32	3.17	2.77	2.58	2.43	2.36	2.52	1.65	7.73	12.9	17.3	15.4
MAX	14.8	5.32	8.69	4.26	4.01	4.90	5.56	6.41	28.9	38.7	41.5	22.5
(WY)	1991	1992	1988	1993	1993	1993	1993	1991	1992	1992	1992	1988
MIN	4.05	1.63	1.02	1.33	.95	.91	.11	.18	.43	.90	5.16	9.28
(WY)	1990	1990	1993	1989	1989	1990	1990	1989	1988	1988	1989	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	4528.27		2323.95			
ANNUAL MEAN	12.4		6.37		6.97	
HIGHEST ANNUAL MEAN					13.3	1992
LOWEST ANNUAL MEAN					3.18	1989
HIGHEST DAILY MEAN	234	Jun 29	102	Aug 30	234	Jun 29 1992
LOWEST DAILY MEAN*	.11	Jun 2	.09	Aug 15	.00	Jun 5 1989
ANNUAL SEVEN-DAY MINIMUM	.12	May 28	.51	Jun 8	.00	Jun 5 1989
INSTANTANEOUS PEAK FLOW			180	Aug 30	324	Jun 28 1992
INSTANTANEOUS PEAK STAGE					11.09	Jun 28 1992
INSTANTANEOUS LOW FLOW			.09	Aug 15	.00	Jun 5 1989
ANNUAL RUNOFF (AC-FT)	8980		4610		5050	
10 PERCENT EXCEEDS	35		12		17	
50 PERCENT EXCEEDS	2.8		3.3		2.9	
90 PERCENT EXCEEDS	.85		.87		.58	

e Estimated

* No flow for one or more days during 1989, 1990 water year

02291580 NORTH BRANCH ESTERO RIVER AT ESTERO, FL

LOCATION.--Lat 26°26'30", long 81°47'45", in NE1/4 sec.27, T.46 S., R.27 E., Lee County, Hydrologic Unit 03090204, (Estero Quadrangle) on right bank behind house at east end of Broadway Road, 0.6 mi east of railroad tracks, 0.6 mi upstream of gage site for Estero Road at Estero and 3.5 mi upstream from mouth of River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1987 to current year.

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

REMARKS.--Records good.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02291580
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.09	7.44	7.32	7.20	7.34	7.41	7.84	7.29	7.13	7.41	7.51	8.29
2	8.08	7.45	7.32	7.25	7.33	7.41	7.81	7.30	7.07	7.41	7.50	8.21
3	8.17	7.46	7.32	7.24	7.32	7.40	7.45	7.31	7.02	7.40	7.50	8.14
4	8.44	7.45	7.32	7.24	7.32	7.40	7.41	7.30	6.95	7.40	7.48	8.07
5	8.56	7.44	7.30	7.25	7.32	7.38	7.45	7.28	6.90	7.42	7.47	8.00
6	8.48	7.43	7.29	7.26	7.33	7.37	7.68	7.24	6.86	7.42	7.46	8.09
7	8.41	7.44	7.28	7.25	7.32	7.36	8.13	7.21	6.81	7.42	7.44	8.18
8	8.34	7.43	7.28	7.27	7.31	7.35	8.09	7.19	6.73	7.42	7.41	8.64
9	8.27	7.43	7.28	7.40	7.58	7.33	8.04	7.22	6.72	7.43	7.43	8.67
10	8.20	7.43	7.30	7.36	7.37	7.33	7.43	7.22	6.68	7.45	7.43	8.58
11	8.13	7.44	7.29	7.36	7.30	7.33	7.40	7.16	6.67	7.48	7.43	8.47
12	8.08	7.43	7.27	7.36	7.50	7.33	7.39	7.11	6.90	7.50	7.45	8.36
13	8.00	7.42	7.26	7.36	7.38	7.40	7.38	7.10	6.97	7.51	7.46	8.32
14	7.91	7.41	7.26	7.34	7.38	7.40	7.38	7.09	7.05	7.70	7.46	8.26
15	7.83	7.39	7.25	7.35	7.38	7.39	7.38	7.08	7.20	7.77	7.46	8.23
16	7.76	7.37	7.25	7.38	7.38	7.39	7.42	7.08	7.38	7.74	7.48	8.18
17	7.70	7.38	7.25	7.36	7.37	7.43	7.40	7.07	7.37	7.62	7.49	8.12
18	7.63	7.38	7.24	7.36	7.37	7.45	7.40	7.01	7.36	7.49	7.47	8.08
19	7.62	7.38	7.23	7.35	7.37	7.45	7.38	6.97	7.34	7.47	7.44	7.99
20	7.51	7.38	7.23	7.35	7.37	7.45	7.38	6.96	7.35	7.46	7.43	7.85
21	7.46	7.38	7.22	7.35	7.37	7.45	7.38	6.90	7.36	7.45	7.43	7.83
22	7.46	7.37	7.21	7.34	7.38	7.48	7.37	6.87	7.34	7.45	7.43	7.94
23	7.47	7.37	7.20	7.34	7.40	7.80	7.36	6.86	7.34	7.44	7.43	7.90
24	7.48	7.36	7.20	7.33	7.37	7.82	7.35	6.86	7.37	7.44	7.42	7.76
25	7.45	7.35	7.20	7.35	7.36	7.84	7.35	6.82	7.41	7.45	7.42	7.63
26	7.45	7.33	7.21	7.39	7.40	7.81	7.35	6.80	7.41	7.44	7.43	7.57
27	7.45	7.33	7.20	7.37	7.42	7.50	7.34	6.73	7.42	7.42	7.43	7.56
28	7.45	7.33	7.20	7.36	7.41	7.45	7.33	6.79	7.41	7.42	7.42	7.58
29	7.45	7.33	7.19	7.36	---	7.45	7.32	6.96	7.39	7.43	7.51	8.19
30	7.44	7.33	7.19	7.36	---	7.58	7.28	7.06	7.38	7.45	8.03	8.14
31	7.44	---	7.18	7.35	---	7.82	---	7.13	---	7.50	8.29	---
TOTAL	243.21	221.86	224.74	227.19	206.45	231.76	224.67	218.97	214.29	231.81	232.44	242.83
MEAN	7.85	7.40	7.25	7.33	7.37	7.48	7.49	7.06	7.14	7.48	7.50	8.09
MAX	8.56	7.46	7.32	7.40	7.58	7.84	8.13	7.31	7.42	7.77	8.29	8.67
MIN	7.44	7.33	7.18	7.20	7.30	7.33	7.28	6.73	6.67	7.40	7.41	7.56

02291580 NORTH BRANCH ESTERO RIVER AT ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	2.5
2	1.9	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	1.9
3	2.5	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	1.5
4	5.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.2
5	6.9	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.96
6	5.6	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	1.3
7	4.6	.00	.00	.00	.00	.00	2.2	.00	.00	.00	.00	1.7
8	3.8	.00	.00	.00	.00	.00	2.0	.00	.00	.00	.00	6.6
9	3.0	.00	.00	.00	.42	.00	1.9	.00	.00	.00	.00	7.0
10	2.3	.00	.00	.00	.03	.00	.03	.00	.00	.00	.00	5.7
11	1.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.2
12	1.5	.00	.00	.00	.15	.00	.00	.00	.00	.00	.01	3.1
13	1.1	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	2.7
14	.81	.00	.00	.00	.00	.00	.00	.00	.00	.31	.00	2.2
15	.61	.00	.00	.00	.00	.00	.00	.00	.00	.45	.00	2.0
16	.47	.00	.00	.00	.00	.00	.01	.00	.00	.38	.00	1.6
17	.34	.00	.00	.00	.00	.04	.00	.00	.00	.16	.00	1.3
18	.20	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	1.2
19	.19	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.86
20	.04	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.48
21	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.44
22	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.65
23	.00	.00	.00	.00	.00	.71	.00	.00	.00	.00	.00	.57
24	.00	.00	.00	.00	.00	.77	.00	.00	.00	.00	.00	.28
25	.00	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	.05
26	.00	.00	.00	.00	.01	.72	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.13	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.03
29	.00	.00	.00	.00	---	.04	.00	.00	.00	.00	.09	1.4
30	.00	.00	.00	.00	---	.29	.00	.00	.00	.00	1.1	1.1
31	.00	---	.00	.00	---	.77	---	.00	---	.00	2.7	---
TOTAL	45.16	0.00	0.00	0.00	0.61	4.51	8.61	0.00	0.00	1.30	3.90	54.52
MEAN	1.46	.000	.000	.000	.022	.15	.29	.000	.000	.042	.13	1.82
MAX	6.9	.00	.00	.00	.42	.80	2.2	.00	.00	.45	2.7	7.0
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	90	.00	.00	.00	1.2	8.9	17	.00	.00	2.6	7.7	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	9.03	6.79	.72	.12	.023	.29	.25	.035	2.29	5.60	4.38	5.57
MAX	31.8	38.1	4.21	.59	.042	1.86	1.42	.25	15.0	30.7	18.9	13.6
(WY)	1988	1988	1988	1991	1992	1987	1987	1987	1992	1992	1992	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1990	1990	1990	1990	1990	1988	1989	1988	1989	1989	1989	1989

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	2163.88		118.61			
ANNUAL MEAN	5.91		.32		2.98	
HIGHEST ANNUAL MEAN					7.51	1988
LOWEST ANNUAL MEAN					.000	1990
HIGHEST DAILY MEAN	151	Jun 28	7.0	Sep 9	203	Oct 13 1987
LOWEST DAILY MEAN*	.00	Jan 1	.00	Oct 21	.00	May 24 1987
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 21	.00	May 29 1987
INSTANTANEOUS PEAK FLOW			7.4	Oct 4	264	Oct 12 1987
INSTANTANEOUS PEAK STAGE			8.60	Oct 4	13.32	Oct 12 1987
INSTANTANEOUS LOW FLOW			.00	Oct 20	.00	May 24 1987
ANNUAL RUNOFF (AC-FT)	4290		235		2160	
10 PERCENT EXCEEDS	18		1.1		7.7	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

* For one or more days during the period of record

02291597 SOUTH BRANCH ESTERO RIVER AT ESTERO, FL

LOCATION.--Lat 26°25'43", long 81°47'36", in NW1/4 sec.34, T.46 S., R.25 E., Lee County, Hydrologic Unit 03090204, (Estero Quadrangle) near left bank on downstream headwall culvert on Corkscrew Road, 1.0 mi east of U.S. Highway 41 at Estero and 5.2 mi upstream from mouth of Estero River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1987 to current year.

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

REMARKS.--Records good except for the estimated discharge, which are fair.

ANNUAL MEAN AND ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1989-93).

STATION NUMBER 02291597
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.38	---	3.42	3.35	3.66	3.71	3.84	3.74	3.67	3.75	4.35	5.50
2	4.32	---	3.41	3.36	3.65	3.70	3.86	3.73	3.65	3.76	4.28	5.35
3	4.28	---	3.40	3.35	3.64	3.69	3.84	3.73	3.64	3.81	4.19	5.19
4	4.28	---	3.40	3.36	3.63	3.69	3.82	3.72	3.64	3.80	4.13	5.03
5	4.41	3.74	3.39	3.37	3.62	3.68	3.94	3.70	3.63	3.83	4.03	4.91
6	4.55	3.73	3.38	3.37	3.62	3.68	3.95	3.68	3.63	3.88	3.98	4.86
7	4.70	3.71	3.38	3.37	3.62	3.68	3.92	3.67	3.62	3.90	3.95	4.78
8	4.63	3.69	3.37	3.38	3.61	3.68	3.89	3.67	3.63	3.92	3.93	4.85
9	4.57	3.69	3.38	3.62	3.61	3.67	3.89	3.69	3.64	3.97	3.89	4.92
10	4.51	3.69	3.38	3.64	3.61	3.66	3.91	3.66	3.63	4.18	3.89	4.88
11	4.47	3.68	3.39	3.63	3.60	3.66	3.88	3.65	3.64	4.35	3.95	4.80
12	4.42	3.67	3.37	3.62	3.75	3.65	3.86	3.65	3.66	4.25	4.12	4.72
13	4.36	3.67	3.36	3.61	3.75	3.77	3.84	3.65	3.66	4.22	4.12	4.84
14	4.30	3.63	3.36	3.60	3.72	3.66	3.83	3.65	3.67	4.19	4.01	4.81
15	4.23	3.62	3.35	3.59	3.70	3.66	3.83	3.64	3.71	4.19	3.95	4.78
16	4.19	3.61	3.36	3.61	3.69	3.65	3.96	3.64	3.70	4.15	3.94	4.68
17	4.14	3.59	3.36	3.61	3.68	3.73	3.95	3.62	3.69	4.08	3.99	4.61
18	4.10	3.58	3.35	3.60	3.68	3.94	3.91	3.62	3.69	4.03	3.93	4.53
19	4.06	3.56	3.36	3.60	3.66	3.90	3.88	3.63	3.69	4.00	3.88	4.46
20	4.04	3.55	3.35	3.60	3.65	3.86	3.85	3.63	3.69	3.97	3.85	4.39
21	4.00	3.56	3.35	3.59	3.64	3.85	3.83	3.63	3.69	3.93	3.83	4.32
22	3.97	3.54	3.36	3.58	3.65	3.86	3.83	3.62	3.66	3.90	3.82	4.34
23	3.95	3.52	3.36	3.58	3.67	4.00	3.81	3.61	3.65	3.88	3.81	4.27
24	---	3.50	3.36	3.57	3.67	3.93	3.81	3.61	3.70	3.89	3.79	4.19
25	---	3.48	3.35	3.59	3.66	3.92	3.80	3.60	3.72	3.90	3.78	4.11
26	---	3.47	3.36	3.67	3.69	3.93	3.80	3.59	3.77	3.88	3.77	4.06
27	---	3.47	3.35	3.72	3.76	3.88	3.76	3.59	3.81	3.86	3.78	4.01
28	---	3.46	3.35	3.71	3.74	3.84	3.75	3.63	3.80	3.84	3.80	4.03
29	---	3.45	3.35	3.69	---	3.83	3.75	3.64	3.78	3.85	4.07	4.39
30	---	3.43	3.34	3.68	---	3.82	3.74	3.65	3.75	3.90	5.38	4.36
31	---	---	3.35	3.66	---	3.80	---	3.66	---	4.15	5.35	---
TOTAL	---	---	104.40	110.28	102.63	116.98	115.53	113.20	110.51	123.21	125.54	138.97
MEAN	---	---	3.37	3.56	3.67	3.77	3.85	3.65	3.68	3.97	4.05	4.63
MAX	---	---	3.42	3.72	3.76	4.00	3.96	3.74	3.81	4.35	5.38	5.50
MIN	---	---	3.34	3.35	3.60	3.65	3.74	3.59	3.62	3.75	3.77	4.01

02291597 SOUTH BRANCH ESTERO RIVER AT ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	e1.0	.31	.63	1.3	1.1	1.7	.48	.18	.52	4.0	48
2	7.0	e.95	.31	.68	1.2	1.0	1.9	.45	.16	.54	3.4	42
3	6.3	e.92	.30	.68	1.2	.98	1.8	.42	.15	.65	2.7	37
4	6.4	e.87	.29	.71	1.1	.96	1.7	.39	.14	.65	2.3	27
5	8.1	e.84	.28	.75	1.1	.94	2.3	.34	.14	.75	1.7	18
6	13	.81	.27	.78	1.1	.93	2.5	.29	.13	.92	1.5	15
7	17	.78	.27	.80	1.0	.90	2.3	.27	.12	1.0	1.4	12
8	13	.74	.28	.85	.97	.88	2.0	.27	.14	1.1	1.3	15
9	11	.73	.29	1.7	.97	.87	1.9	.28	.15	1.3	1.2	19
10	9.5	.74	.31	1.8	.94	.86	2.0	.26	.14	2.4	1.2	16
11	8.7	.72	.32	1.9	.93	.86	1.8	.24	.16	3.8	1.4	13
12	8.0	.70	.32	1.8	1.4	.85	1.6	.23	.18	3.0	2.3	11
13	6.9	.69	.33	1.7	1.4	1.5	1.5	.23	.19	2.8	2.3	15
14	6.0	.61	.33	1.6	1.3	.90	1.3	.22	.20	2.6	1.7	14
15	5.3	.58	.34	1.6	1.2	.88	1.3	.21	.27	2.7	1.5	13
16	4.9	.57	.36	1.6	1.1	.89	1.7	.20	.26	2.4	1.4	9.8
17	4.5	.55	.38	1.6	1.1	1.2	1.7	.19	.25	2.0	1.7	8.4
18	4.0	.53	.38	1.5	1.1	2.0	1.5	.18	.26	1.8	1.4	7.2
19	3.7	.49	.39	1.5	1.0	1.8	1.3	.18	.27	1.6	1.2	6.1
20	3.5	.49	.41	1.5	.97	1.7	1.1	.18	.28	1.5	1.2	5.2
21	3.1	.49	.42	1.4	.93	1.6	1.0	.18	.29	1.3	1.1	4.4
22	2.9	.47	.45	1.3	.95	1.7	.97	.17	.26	1.2	1.1	4.6
23	e2.2	.43	.47	1.3	1.0	2.5	.90	.16	.26	1.1	1.1	3.8
24	e2.0	.41	.48	1.2	.97	2.1	.84	.16	.33	1.2	1.0	3.2
25	e1.8	.39	.49	1.3	.96	2.1	.79	.14	.37	1.2	1.0	2.6
26	e1.7	.38	.52	1.6	1.0	2.1	.75	.14	.46	1.1	.99	2.2
27	e1.5	.37	.53	1.7	1.2	1.8	.64	.14	.57	1.1	1.0	2.0
28	e1.3	.36	.54	1.6	1.1	1.7	.58	.16	.55	1.0	1.1	2.1
29	e1.2	.35	.56	1.5	---	1.6	.56	.17	.52	1.0	6.2	4.8
30	e1.1	.32	.56	1.4	---	1.6	.52	.17	.49	1.2	44	4.3
31	e1.1	---	.59	1.4	---	1.6	---	.18	---	2.5	43	---
TOTAL	174.7	18.28	12.08	41.38	30.49	42.40	42.45	7.28	7.87	47.93	138.39	385.7
MEAN	5.64	.61	.39	1.33	1.09	1.37	1.41	.23	.26	1.55	4.46	12.9
MAX	17	1.0	.59	1.9	1.4	2.5	2.5	.48	.57	3.8	44	48
MIN	1.1	.32	.27	.63	.93	.85	.52	.14	.12	.52	.99	2.0
AC-FT	347	36	24	82	60	84	84	14	16	95	274	765

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	10.4	9.80	1.15	.94	1.00	2.29	1.88	1.08	5.50	15.2	21.4	19.9
MAX	20.9	51.8	4.16	1.53	1.79	11.6	8.66	4.69	28.3	60.7	56.4	57.8
(WY)	1992	1988	1988	1988	1992	1987	1987	1987	1992	1992	1992	1988
MIN	4.87	.61	.30	.30	.27	.13	.079	.089	.17	1.17	2.60	4.91
(WY)	1989	1993	1991	1990	1990	1990	1990	1990	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	5350.05		948.95			
ANNUAL MEAN	14.6		2.60		6.69	
HIGHEST ANNUAL MEAN					16.1	1992
LOWEST ANNUAL MEAN					2.03	1989
HIGHEST DAILY MEAN	307	Jun 29	48	Sep 1	307	Jun 29 1992
LOWEST DAILY MEAN*	.21	Jan 12	.12	Jun 7	.02	May 9 1990
ANNUAL SEVEN-DAY MINIMUM	.22	Jan 7	.14	Jun 4	.03	May 8 1990
INSTANTANEOUS PEAK FLOW			50	Aug 30	412	Jun 30 1992
INSTANTANEOUS PEAK STAGE			5.57	Aug 30	10.00	Jun 30 1992
INSTANTANEOUS LOW FLOW			.11	Jun 6	.00	May 10 1990
ANNUAL RUNOFF (AC-FT)	10610		1880		4840	
10 PERCENT EXCEEDS	53		5.6		23	
50 PERCENT EXCEEDS	1.4		1.1		1.4	
90 PERCENT EXCEEDS	.30		.26		.20	

e Estimated
* No flow for one or more days during the period of record

02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, FL

LOCATION.--Lat 26°31'20", long 81°51'17", in NW1/4 sec.31, T.45 S., R.25 E., Lee County, Hydrologic Unit 03090204, 200 ft upstream from Tenmile Canal, 2,200 ft north of Briarcliff Road, 6.9 mi north of Estero, and 7.2 mi south of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1987 to 1990, 1992 to current year.

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

REMARKS.--Records fair except for estimated discharges, which are poor. Flow can be regulated by vertical gate valves, one on either side of control weir. When gate valves are opened, estimated discharge is poor. New control weir constructed in 1991, gate is set to previous datum.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 4 complete water years of discharge (1989-90, 1993).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 11.53 ft June 29, 1992.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.25 ft Sept. 10, 11; minimum, 4.93 ft June 8.

STATION NUMBER 02291669
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.53	5.52	5.51	5.75	9.22	---	6.74	5.51	5.75	10.94	11.13
2	---	5.53	5.52	5.51	5.75	9.70	---	6.55	5.47	5.77	10.94	11.14
3	---	5.52	5.52	5.50	5.75	10.65	---	6.35	5.40	6.10	10.93	11.14
4	---	5.52	5.52	5.51	5.75	10.96	---	6.31	5.33	5.96	10.90	11.12
5	---	5.51	5.52	5.52	5.75	10.96	---	6.23	5.25	5.83	10.85	11.09
6	---	5.50	5.52	5.53	5.75	10.96	---	6.17	5.16	5.79	10.76	11.09
7	---	5.49	5.51	5.53	5.75	10.95	10.62	6.10	5.06	5.80	10.59	11.10
8	---	5.49	5.51	5.54	5.75	10.94	10.51	6.04	5.02	5.92	10.32	11.16
9	---	5.50	5.51	5.70	5.69	10.94	10.40	6.04	5.40	5.87	10.02	11.21
10	---	5.51	5.52	5.74	5.67	---	10.32	5.99	5.33	5.84	9.83	11.25
11	---	5.52	5.53	5.73	5.66	---	10.14	6.00	5.26	6.43	9.98	11.25
12	---	5.53	5.56	5.78	6.15	---	9.89	5.96	5.37	7.70	10.17	11.23
13	---	5.53	5.57	5.75	6.40	---	9.56	5.89	5.37	9.53	10.75	11.20
14	---	5.52	5.56	5.74	6.49	---	9.20	5.85	5.23	10.85	10.96	11.17
15	10.94	5.52	5.56	5.74	6.48	---	8.86	5.77	5.18	10.99	10.94	11.15
16	10.86	5.52	5.55	5.74	6.36	---	8.98	5.75	5.80	10.97	10.94	11.12
17	10.55	5.52	5.54	5.74	6.23	---	9.07	5.69	5.74	10.96	10.94	11.10
18	9.68	5.52	5.52	5.74	6.11	---	9.04	5.66	5.86	10.95	10.94	11.08
19	8.36	5.52	5.52	5.74	5.92	---	8.90	5.63	5.80	10.94	10.94	11.07
20	7.01	5.52	5.53	5.74	5.82	---	8.71	5.56	5.76	10.92	10.92	11.05
21	6.33	5.52	5.52	5.74	5.76	---	8.51	5.47	5.77	10.90	10.90	11.04
22	6.02	5.52	5.52	5.74	5.76	---	8.26	5.36	5.70	10.85	10.84	11.03
23	5.84	5.53	5.52	5.74	6.31	---	8.02	5.26	5.66	10.79	10.77	11.04
24	5.72	5.53	5.51	5.74	6.35	---	7.80	5.18	5.71	10.74	10.65	11.04
25	5.63	5.53	5.50	5.74	6.29	---	7.62	5.12	5.87	10.73	10.51	11.04
26	5.57	5.53	5.50	5.74	6.52	---	7.47	5.08	5.93	10.78	10.56	11.04
27	5.54	5.52	5.50	5.74	7.44	---	7.33	5.05	5.97	10.92	10.94	11.02
28	5.53	5.52	5.50	5.74	8.48	---	7.19	5.17	5.91	10.92	10.95	11.12
29	5.53	5.52	5.50	5.74	---	---	7.05	5.39	5.79	10.89	10.97	11.18
30	5.53	5.52	5.50	5.74	---	---	6.90	5.40	5.73	10.86	11.03	10.84
31	5.53	---	5.50	5.74	---	---	---	5.50	---	10.90	11.10	---
TOTAL	---	165.56	171.18	176.17	171.89	---	---	178.26	166.34	278.15	332.78	333.24
MEAN	---	5.52	5.52	5.68	6.14	---	---	5.75	5.54	8.97	10.73	11.11
MAX	---	5.53	5.57	5.78	8.48	---	---	6.74	5.97	10.99	11.10	11.25
MIN	---	5.49	5.50	5.50	5.66	---	---	5.05	5.02	5.75	9.83	10.84

02291669 SIXMILE CYPRESS CREEK NORTH NEAR FORT MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e17	.00	.00	.00	.00	.00	e2.5	.00	.00	.00	2.6	43
2	e2.5	.00	.00	.00	.00	.00	e.00	.00	.00	.00	2.5	46
3	e.00	.00	.00	.00	.00	.04	e.00	.00	.00	.00	2.1	44
4	e5.9	.00	.00	.00	.00	1.5	e.00	.00	.00	.00	1.2	37
5	e42	.00	.00	.00	.00	1.5	e.00	.00	.00	.00	.00	31
6	e55	.00	.00	.00	.00	1.3	e.00	.00	.00	.00	.00	30
7	e60	.00	.00	.00	.00	1.0	.00	.00	.00	.00	.00	36
8	e65	.00	.00	.00	.00	.73	.00	.00	.00	.00	.00	59
9	e65	.00	.00	.00	.00	.50	.00	.00	.00	.00	.00	93
10	e71	.00	.00	.00	.00	e.00	.00	.00	.00	.00	.00	118
11	e65	.00	.00	.00	.00	e.00	.00	.00	.00	.00	.00	118
12	e60	.00	.00	.00	.00	e.00	.00	.00	.00	.00	.00	104
13	e55	.00	.00	.00	.00	e.00	.00	.00	.00	.00	1.1	83
14	e24	.00	.00	.00	.00	e.50	.00	.00	.00	3.3	3.9	66
15	12	.00	.00	.00	.00	e1.5	.00	.00	.00	5.4	3.2	57
16	3.7	.00	.00	.00	.00	e2.5	.00	.00	.00	4.2	3.0	44
17	.00	.00	.00	.00	.00	e4.9	.00	.00	.00	3.6	3.0	35
18	.00	.00	.00	.00	.00	e17	.00	.00	.00	3.1	3.0	28
19	.00	.00	.00	.00	.00	e19	.00	.00	.00	2.5	2.8	23
20	.00	.00	.00	.00	.00	e31	.00	.00	.00	1.6	2.2	20
21	.00	.00	.00	.00	.00	e42	.00	.00	.00	.54	.84	18
22	.00	.00	.00	.00	.00	e50	.00	.00	.00	.00	.00	16
23	.00	.00	.00	.00	.00	e50	.00	.00	.00	.00	.00	16
24	.00	.00	.00	.00	.00	e50	.00	.00	.00	.00	.00	15
25	.00	.00	.00	.00	.00	e42	.00	.00	.00	.00	.00	15
26	.00	.00	.00	.00	.00	e34	.00	.00	.00	.22	.00	15
27	.00	.00	.00	.00	.00	e27	.00	.00	.00	1.5	2.8	12
28	.00	.00	.00	.00	.00	e17	.00	.00	.00	1.3	3.5	39
29	.00	.00	.00	.00	---	e9.6	.00	.00	.00	.41	4.9	58
30	.00	.00	.00	.00	---	e7.0	.00	.00	.00	.00	14	40
31	.00	---	.00	.00	---	e3.5	---	.00	---	1.6	30	---
TOTAL	603.10	0.00	0.00	0.00	0.00	415.07	2.50	0.00	0.00	29.27	86.64	1359
MEAN	19.5	.000	.000	.000	.000	13.4	.083	.000	.000	.94	2.79	45.3
MAX	71	.00	.00	.00	.00	50	2.5	.00	.00	5.4	30	118
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12
AC-FT	1200	.00	.00	.00	.00	823	5.0	.00	.00	58	172	2700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	15.7	.57	.001	.019	.010	2.69	.047	.010	8.60	37.4	88.3	46.1
MAX	35.5	1.86	.003	.095	.051	13.4	.15	.048	42.1	153	138	58.9
(WY)	1992	1992	1989	1988	1988	1993	1992	1989	1992	1992	1988	1988
MIN	2.45	.000	.000	.000	.000	.000	.000	.000	.000	.079	2.79	32.0
(WY)	1990	1993	1990	1989	1989	1990	1988	1988	1988	1988	1993	1992

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	10300.33		2495.50			
ANNUAL MEAN	28.1		6.84		17.9	
HIGHEST ANNUAL MEAN					29.7	1992
LOWEST ANNUAL MEAN					6.84	1993
HIGHEST DAILY MEAN	641	Jul 19	118	Sep 10	697	Aug 12 1988
LOWEST DAILY MEAN*	.00	Jan 1	.00	Oct 3	.00	Jan 17 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 17	.00	Feb 25 1988
INSTANTANEOUS PEAK FLOW			121	Sep 10	1830	Aug 11 1988
INSTANTANEOUS PEAK STAGE			11.25	Sep 10	11.53	Jun 29 1992
INSTANTANEOUS LOW FLOW			.00	Oct 3	.00	Jan 17 1988
ANNUAL RUNOFF (AC-FT)	20430		4950		12940	
10 PERCENT EXCEEDS	88		30		35	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated
* No flow for one or more days during the period of record

02291673 TENMILE CANAL AT CONTROL NEAR ESTERO, FL

LOCATION.--Lat 26°31'04", long 81°51'18", in NE1/4 sec. 1, T.46 S., R.24 E., Lee County, Hydrologic Unit 03090204, on left bank 200 ft upstream of weir, 1.05 mi north of Alico Road, 2.4 mi upstream from mouth and 6.5 mi northwest of Estero.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1987 to current year.

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

REMARKS.--Records fair except when vertical lift gates were open, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 4 complete water years of discharge (1990-93).

STATION NUMBER 02291673
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.73	5.55	5.55	5.53	5.72	5.76	5.61	5.54	5.07	5.68	5.82	5.96
2	5.73	5.55	5.55	5.52	5.71	5.74	5.63	5.54	5.06	5.70	5.73	5.92
3	5.73	5.55	5.55	5.51	5.69	5.72	5.63	5.54	5.04	5.78	5.69	5.88
4	5.78	5.54	5.55	5.53	5.68	5.78	5.60	5.54	5.02	5.73	5.67	5.83
5	5.79	5.54	5.55	5.54	5.69	5.80	5.65	5.53	4.99	5.70	5.65	5.79
6	5.78	5.54	5.54	5.54	5.69	5.72	5.69	5.51	4.96	5.69	5.63	5.85
7	5.79	5.53	5.54	5.54	5.68	5.67	5.66	5.50	4.93	5.72	5.63	5.97
8	5.77	5.53	5.53	5.54	5.67	5.65	5.63	5.50	4.93	5.77	5.61	6.15
9	5.75	5.53	5.54	5.62	5.66	5.64	5.63	5.51	4.98	5.75	5.61	6.09
10	5.73	5.54	5.55	5.64	5.67	5.63	5.63	5.50	4.97	5.74	5.63	6.05
11	5.71	5.55	5.56	5.63	5.66	5.64	5.63	5.48	4.96	5.75	5.71	5.99
12	5.69	5.55	5.58	5.63	5.78	5.62	5.61	5.47	4.98	5.76	5.68	5.94
13	5.67	5.55	5.58	5.61	5.80	5.77	5.60	5.45	4.98	5.77	5.67	5.89
14	5.65	5.56	5.58	5.59	5.77	5.81	5.59	5.44	5.00	5.71	5.67	5.86
15	5.64	5.56	5.57	5.59	5.75	5.76	5.59	5.41	5.08	5.73	5.65	5.84
16	5.63	5.56	5.57	5.66	5.73	5.69	5.68	5.37	5.36	5.70	5.64	5.80
17	5.62	5.55	5.56	5.71	5.71	5.74	5.70	5.33	5.52	5.67	5.66	5.78
18	5.62	5.55	5.55	5.72	5.71	5.85	5.70	5.30	5.57	5.65	5.67	5.77
19	5.60	5.55	5.55	5.69	5.69	5.83	5.67	5.27	5.57	5.64	5.65	5.76
20	5.59	5.56	5.55	5.68	5.68	5.81	5.65	5.24	5.57	5.62	5.64	5.77
21	5.58	5.56	5.54	5.66	5.66	5.78	5.63	5.21	5.58	5.62	5.65	5.77
22	5.57	5.55	5.54	5.65	5.67	5.76	5.62	5.17	5.58	5.60	5.64	5.78
23	5.57	5.55	5.54	5.65	5.80	5.74	5.63	5.12	5.57	5.60	5.64	5.75
24	5.56	5.56	5.53	5.64	5.75	5.71	5.61	5.09	5.60	5.61	5.63	5.74
25	5.56	5.56	5.53	5.65	5.70	5.70	5.61	5.06	5.71	5.61	5.62	5.72
26	5.56	5.55	5.52	5.72	5.71	5.70	5.60	5.03	5.68	5.62	5.65	5.70
27	5.56	5.55	5.52	5.79	5.81	5.68	5.59	5.01	5.74	5.69	5.69	5.69
28	5.56	5.55	5.52	5.78	5.78	5.66	5.57	5.01	5.71	5.69	5.71	5.71
29	5.55	5.56	5.52	5.75	---	5.64	5.56	5.05	5.68	5.70	5.73	6.01
30	5.55	5.55	5.52	5.74	---	5.62	5.55	5.04	5.67	5.71	5.84	5.79
31	5.56	---	5.52	5.73	---	5.61	---	5.06	---	5.79	5.97	---
TOTAL	175.18	166.48	171.90	174.78	160.02	177.23	168.75	164.82	159.06	176.50	176.08	175.55
MEAN	5.65	5.55	5.55	5.64	5.71	5.72	5.62	5.32	5.30	5.69	5.68	5.85
MAX	5.79	5.56	5.58	5.79	5.81	5.85	5.70	5.54	5.74	5.79	5.97	6.15
MIN	5.55	5.53	5.52	5.51	5.66	5.61	5.55	5.01	4.93	5.60	5.61	5.69

02291673 TENMILE CANAL AT CONTROL NEAR ESTERO, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	4.8	4.3	1.9	46	57	7.2	1.7	.00	28	110	184
2	82	4.1	4.5	1.7	42	48	10	1.7	.00	34	59	152
3	80	4.2	4.3	.89	35	40	10	1.3	.00	72	39	110
4	112	3.4	4.0	1.9	32	64	6.0	1.6	.00	48	29	77
5	121	3.0	4.0	2.9	35	75	16	.97	.00	34	26	59
6	108	2.6	3.6	3.1	34	34	28	.29	.00	33	22	87
7	110	2.1	2.6	3.6	33	18	20	.25	.00	45	20	183
8	99	2.0	2.2	3.9	28	14	14	.25	.00	69	16	380
9	83	2.4	2.6	19	25	10	13	.29	.00	56	15	304
10	67	3.4	4.5	24	23	9.7	14	.27	.00	51	21	246
11	56	4.9	5.6	23	20	10	12	.22	.00	59	48	186
12	46	4.7	9.4	22	75	6.6	9.6	.17	.00	61	36	139
13	34	4.9	9.9	15	86	62	7.0	.13	.00	71	32	106
14	29	5.3	9.0	11	65	78	5.8	.11	.00	38	30	80
15	25	5.1	8.1	11	60	54	5.8	.02	.00	47	21	67
16	22	5.0	7.5	33	49	24	30	.00	.03	35	20	49
17	20	4.7	5.3	51	41	46	36	.00	.56	24	24	34
18	17	4.7	3.9	55	39	103	34	.00	2.6	20	26	30
19	14	4.4	4.1	40	30	95	25	.00	3.1	17	19	27
20	10	5.0	3.9	33	26	83	19	.00	3.4	14	17	29
21	8.2	5.2	3.1	28	19	67	13	.00	4.2	12	18	28
22	7.0	4.7	3.1	24	21	57	11	.00	3.8	9.3	15	31
23	6.6	4.8	2.6	23	83	46	12	.00	3.3	9.1	12	19
24	5.7	5.5	2.4	21	53	37	8.4	.00	6.5	10	11	14
25	5.1	5.3	1.8	23	32	32	8.5	.00	40	11	9.8	9.5
26	5.6	4.8	1.3	52	36	31	8.4	.00	28	15	14	6.3
27	5.4	4.3	1.3	94	86	23	7.6	.00	53	39	23	4.0
28	5.0	4.9	1.3	85	69	19	4.4	.00	40	41	30	11
29	4.7	5.0	1.3	70	---	12	2.7	.00	26	43	38	152
30	4.6	4.3	1.2	56	---	9.9	2.0	.00	23	46	96	161
31	5.1	---	1.3	50	---	7.8	---	.00	---	97	196	---
TOTAL	1286.0	129.5	124.0	882.89	1223	1273.0	400.4	9.27	237.49	1188.4	1092.8	2964.8
MEAN	41.5	4.32	4.00	28.5	43.7	41.1	13.3	.30	7.92	38.3	35.3	98.8
MAX	121	5.5	9.9	94	86	103	36	1.7	53	97	196	380
MIN	4.6	2.0	1.2	.89	19	6.6	2.0	.00	.00	9.1	9.8	4.0
AC-FT	2550	257	246	1750	2430	2520	794	18	471	2360	2170	5880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	72.9	9.88	2.32	14.6	14.2	10.4	5.38	18.1	75.0	237	260	142
MAX	129	24.5	4.00	47.1	43.7	41.1	13.3	107	212	676	555	201
(WY)	1992	1992	1993	1991	1993	1993	1993	1991	1991	1991	1990	1990
MIN	14.7	2.84	.91	.020	.000	1.85	.010	.000	3.73	3.90	35.3	98.8
(WY)	1989	1990	1991	1989	1989	1990	1990	1988	1989	1988	1993	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	27542.80		10811.55			
ANNUAL MEAN	75.3		29.6		85.2	
HIGHEST ANNUAL MEAN					145	1991
LOWEST ANNUAL MEAN					29.6	1993
HIGHEST DAILY MEAN	1300	Jun 30	380	Sep 8	1300	Jun 30 1992
LOWEST DAILY MEAN*	.00	May 27	.00	May 16	.00	Apr 15 1988
ANNUAL SEVEN-DAY MINIMUM	.00	May 27	.00	May 16	.00	Apr 15 1988
INSTANTANEOUS PEAK FLOW			455	Sep 8	1440	Jun 29 1992
INSTANTANEOUS PEAK STAGE			6.20	Sep 8	6.93	Jun 29 1992
INSTANTANEOUS LOW FLOW			.00	May 15	.00	Apr 15 1988
ANNUAL RUNOFF (AC-FT)	54630		21440		61720	
10 PERCENT EXCEEDS	215		77		192	
50 PERCENT EXCEEDS	8.5		14		7.1	
90 PERCENT EXCEEDS	.57		.20		.00	

* No flow for one or more days during the period of record

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL

LOCATION.--Lat 26°50'22", long 81°05'15", in NW1/4NW1/4 sec.12, T.42 S., R.32 E., Glades County, Hydrologic Unit 03090205, on right bank, on the dock 50 ft below the 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 shaft encoder and satellite data collection platform. 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. Prior to May 12, 1992 digital water-stage recorder.

REMARKS.--Records poor. Flow regulated by operation of control structure S-77 at Lake Okeechobee. When gates at structure S-77 are closed and lock is not open for extended period, flow is estimated as 5 ft^3/s to account for leakage and lock operation.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS--Figures represent 55 complete water years of discharge (1939-93)

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 15.76 ft Sept. 27, 1948; minimum, 5.8 ft present datum, estimated Aug. 8, 1940.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.70 ft Jan. 9 and Mar. 23; minimum, 10.56 ft Oct. 20.

STATION NUMBER 02292000
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.94	10.88	11.05	11.20	11.02	10.94	10.98	10.89	11.00	10.99	10.97	11.14
2	11.00	11.06	10.99	11.38	11.32	10.89	11.15	11.05	11.10	11.11	11.14	11.31
3	11.13	11.13	10.86	11.32	11.37	11.05	11.32	11.13	11.26	11.21	11.09	11.19
4	11.16	10.94	11.01	11.34	11.47	11.38	11.39	11.13	11.01	11.17	10.98	11.00
5	11.05	11.02	11.10	11.42	11.33	11.31	11.48	10.96	11.10	10.89	10.94	11.14
6	11.06	11.17	11.17	11.29	11.12	11.36	11.22	10.97	10.99	10.92	10.93	11.06
7	10.97	11.20	11.23	11.05	10.97	11.40	11.09	11.14	10.98	11.24	10.87	10.99
8	10.88	11.11	11.06	11.34	11.02	11.31	11.08	11.08	11.07	10.89	11.08	11.18
9	10.99	11.01	11.04	11.37	11.07	11.24	10.95	11.24	11.22	10.82	11.12	11.09
10	11.18	11.10	11.20	11.17	11.14	11.24	10.95	10.98	11.10	10.86	11.16	10.98
11	11.17	11.24	11.35	11.26	11.21	11.04	10.86	10.89	10.95	11.03	11.21	10.89
12	11.20	11.21	11.37	10.92	11.34	10.88	11.13	10.89	11.11	10.89	11.13	10.94
13	11.11	11.15	11.39	11.01	11.27	11.18	11.23	10.96	11.19	10.83	10.99	11.02
14	11.04	11.11	11.37	11.37	11.36	11.29	11.39	10.92	11.09	11.10	11.01	11.21
15	10.88	11.01	11.33	11.22	11.26	11.21	11.51	11.13	10.94	11.08	11.05	11.01
16	10.81	10.84	11.31	11.21	11.08	11.34	11.30	10.97	11.09	11.15	11.05	10.90
17	11.01	11.01	11.16	11.19	11.13	11.19	10.96	10.89	10.91	11.02	11.00	11.02
18	11.02	11.15	11.05	11.12	11.14	11.33	11.18	10.86	10.99	10.94	10.89	11.11
19	10.86	11.06	11.20	11.04	10.99	11.25	10.90	11.04	11.01	10.98	10.79	10.97
20	10.75	11.00	11.21	10.98	11.10	11.04	10.87	10.86	11.11	10.83	10.81	11.00
21	11.04	11.16	11.12	11.00	11.23	11.19	11.07	11.12	11.12	10.83	10.85	10.98
22	11.14	11.40	10.93	11.22	11.32	11.21	11.35	11.02	11.07	11.05	10.92	10.92
23	10.93	11.40	11.07	11.12	11.26	11.36	11.38	11.08	10.92	11.12	11.05	10.99
24	10.93	11.14	11.06	11.13	11.30	11.27	11.35	11.17	11.14	11.09	11.17	11.07
25	10.93	11.33	11.15	11.28	11.20	11.40	11.17	11.20	11.27	11.29	11.04	11.09
26	10.87	11.29	11.13	11.00	11.19	11.24	11.09	11.17	11.07	10.97	10.83	11.14
27	10.92	11.26	11.12	11.14	11.27	11.09	11.13	10.99	11.11	11.12	10.95	11.00
28	11.05	11.15	11.15	10.92	11.05	11.11	11.00	11.02	10.99	11.40	11.23	11.24
29	11.14	11.09	11.02	10.89	---	11.24	10.81	11.32	11.16	11.29	11.18	11.02
30	11.05	11.10	10.95	11.10	---	10.94	10.96	10.91	11.20	11.18	11.23	10.90
31	10.92	---	11.07	10.96	---	10.80	---	11.05	---	11.32	11.25	---
TOTAL	341.13	333.72	345.22	345.96	313.53	346.72	334.25	342.03	332.27	342.61	341.91	331.50
MEAN	11.00	11.12	11.14	11.16	11.20	11.18	11.14	11.03	11.08	11.05	11.03	11.05
MAX	11.20	11.40	11.39	11.42	11.47	11.40	11.51	11.32	11.27	11.40	11.25	11.31
MIN	10.75	10.84	10.86	10.89	10.97	10.80	10.81	10.86	10.91	10.82	10.79	10.89

02292000 CALOOSAHATCHEE CANAL AT MOORE HAVEN, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	704	.00	223	249	1020	1820	536	.00	.00	.00	.00
2	.00	637	.00	.00	1400	651	4390	532	.00	.00	.00	.00
3	.00	410	466	.00	3750	560	5620	528	.00	.00	.00	.00
4	.00	740	622	.00	4940	133	5120	523	.00	.00	.00	.00
5	.00	460	572	.00	4420	.00	4300	788	.00	.00	.00	.00
6	.00	461	313	.00	3550	.00	3490	1140	.00	.00	.00	.00
7	.00	289	55	.00	2710	.00	2580	606	.00	.00	282	.00
8	.00	234	104	.00	1950	.00	1470	728	1830	.00	424	.00
9	.00	236	433	.00	1150	.00	730	670	3540	.00	306	.00
10	.00	242	468	.00	685	.00	571	524	1810	118	214	.00
11	.00	57	.00	.00	600	99	1800	817	233	173	36	.00
12	.00	.00	.00	902	1040	413	4350	804	794	240	.00	.00
13	.00	.00	.00	2620	1690	292	5450	606	732	499	.00	.00
14	.00	.00	.00	3400	3170	.00	5120	1240	269	221	.00	.00
15	.00	.00	.00	2710	2910	.00	4500	1060	440	.00	.00	.00
16	277	385	.00	2260	2330	.00	3650	585	501	.00	.00	.00
17	481	519	.00	1880	1860	.00	2630	586	402	.00	.00	.00
18	.00	370	154	1510	1480	.00	1600	1520	917	.00	59	.00
19	.00	610	168	1070	1040	.00	763	410	713	.00	275	.00
20	345	162	.00	686	665	.00	570	1380	703	85	549	.00
21	734	.00	.00	600	574	.00	1410	946	690	699	598	.00
22	336	.00	327	941	996	.00	3510	755	833	784	486	.00
23	555	.00	456	2450	2630	904	4570	852	337	244	286	.00
24	238	.00	454	3330	3440	2590	4100	1220	499	181	90	.00
25	236	.00	148	2970	2850	3460	3290	1200	36	.00	.00	.00
26	337	.00	.00	2370	2330	2910	2530	1050	.00	.00	191	.00
27	472	.00	.00	1890	1930	2320	1870	1070	.00	.00	304	.00
28	471	.00	.00	1460	1480	1860	1170	908	.00	.00	.00	.00
29	370	.00	61	1080	---	1500	978	.00	.00	.00	.00	.00
30	235	.00	342	710	---	1060	744	.00	.00	.00	.00	.00
31	454	---	340	619	---	678	---	.00	---	.00	.00	---
TOTAL	5541.00	6516.00	5483.00	35681.00	57819	20450.00	84696	23584.00	15279.00	3244.00	4100.00	0.00
MEAN	179	217	177	1151	2065	660	2823	761	509	105	132	.000
MAX	734	740	622	3400	4940	3460	5620	1520	3540	784	598	.00
MIN	.00	.00	.00	.00	249	.00	570	.00	.00	.00	.00	.00
AC-FT	10990	12920	10880	70770	114700	40560	168000	46780	30310	6430	8130	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1993, BY WATER YEAR (WY)

MEAN	940	812	576	719	939	1138	1298	791	648	677	898	518
MAX	4259	5394	4871	5801	5677	7504	7505	3889	3908	3949	7058	3893
(WY)	1970	1970	1948	1970	1983	1983	1983	1954	1970	1947	1974	1949
MIN	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	-352	-243	-476	-601
(WY)	1968	1969	1978	1969	1973	1987	1962	1979	1974	1990	1981	1981

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1939 - 1993	
ANNUAL TOTAL	97218.00		262393.00			
ANNUAL MEAN	266		719		829	
HIGHEST ANNUAL MEAN					3716	1970
LOWEST ANNUAL MEAN					10.0	1951
HIGHEST DAILY MEAN	4740	Sep 7	5620	Apr 3	8290	Apr 10 1970
LOWEST DAILY MEAN	.00	Oct 1	.00	Oct 1	-4410	May 29 1982
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1	.00	Oct 1	-1520	May 26 1982
ANNUAL RUNOFF (AC-FT)	192800		520500		600400	
10 PERCENT EXCEEDS	686		2480		3580	
50 PERCENT EXCEEDS	5.0		242		10	
90 PERCENT EXCEEDS	.00		.00		5.0	

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 SW1/4 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 files of the Geological Survey.

REVISED RECORDS.--WDR FL-80-2A: 1979.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. (Levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharge. Records good. Flow regulated by operation of control structures 77 and 78.

COOPERATION.--Gate-opening record provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 22 complete water years of discharge (1972-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 12.80 ft June 26, 1974; minimum, 8.60 ft Nov. 3, 1981.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 11.77 ft May 29; minimum, 10.19 ft Nov. 4.

SEE THE FOLLOWING PAGE FOR THE TABLE OF DISCHARGE

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	403	334	13	56	200	1260	1500	106	509	106	982	2210
2	403	13	13	67	1270	780	4410	13	216	13	663	2380
3	403	82	149	147	3420	139	5950	13	1120	13	1450	2290
4	472	285	192	14	4790	208	4970	14	1260	261	867	1290
5	740	13	192	148	4540	13	4550	310	950	159	197	1070
6	403	68	56	846	3600	14	3720	155	1430	13	13	1310
7	403	193	13	106	2680	98	2460	13	966	250	13	1670
8	334	168	13	163	1710	176	1410	13	2370	314	13	1980
9	13	13	105	1590	995	13	943	99	4260	13	14	2260
10	45	13	161	1350	633	14	793	106	1750	13	14	1510
11	168	13	13	1470	583	163	1620	13	13	13	60	1240
12	120	13	13	1390	1360	220	4310	13	311	13	224	1160
13	168	13	73	2070	2710	12	5690	13	301	13	99	969
14	13	13	13	2900	3400	13	4840	391	13	13	13	1430
15	13	13	13	3330	3130	13	4140	301	13	14	13	1450
16	13	13	13	2640	2410	542	4060	13	13	343	13	687
17	13	13	13	2070	1710	843	2530	13	13	224	13	740
18	13	83	13	2040	1510	1460	1510	537	13	107	13	473
19	13	334	13	1290	995	1430	889	106	208	13	13	626
20	13	13	13	928	513	1030	403	569	13	13	140	403
21	14	14	13	496	404	488	854	173	13	212	161	371
22	181	217	13	960	950	794	3030	13	176	366	13	142
23	334	901	106	2400	2420	1600	4440	83	13	13	13	13
24	13	373	192	3170	3400	2920	3830	404	13	13	13	13
25	13	207	71	3760	2670	3560	3100	404	13	480	13	13
26	13	192	13	3250	2340	3320	2110	403	515	600	13	98
27	13	192	13	2210	2210	2290	1590	403	216	13	13	282
28	13	161	13	1680	2000	1680	965	269	610	673	407	323
29	13	13	52	1510	---	1510	597	635	302	1430	1510	724
30	13	13	192	1190	---	1190	536	1280	310	1140	1780	318
31	82	---	192	318	---	318	---	913	---	1070	2210	---
TOTAL	4868	3986	1967	45559	58553	28111	81750	7791	17923	7931	10973	29445
MEAN	157	133	63.5	1470	2091	907	2725	251	597	256	354	981
MAX	740	901	192	3760	4790	3560	5950	1280	4260	1430	2210	2380
MIN	13	13	13	14	200	12	403	13	13	13	13	13
AC-FT	9660	7910	3900	90370	116100	55760	162200	15450	35550	15730	21760	58400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1993, BY WATER YEAR (WY)

MEAN	531	218	159	533	962	1082	1050	478	647	804	1309	845
MAX	4200	1639	638	3707	6842	8436	7449	2085	2624	3882	8724	3640
(WY)	1980	1988	1980	1979	1983	1983	1983	1983	1982	1974	1974	1974
MIN	40.4	10.1	7.01	8.20	6.16	14.9	37.8	52.3	10.1	.64	.23	12.6
(WY)	1973	1977	1974	1972	1982	1973	1973	1990	1990	1981	1981	1981

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1971 - 1993	
ANNUAL TOTAL	220791		298857			
ANNUAL MEAN	603		819		723	
HIGHEST ANNUAL MEAN					2615	1983
LOWEST ANNUAL MEAN					113	1981
HIGHEST DAILY MEAN	6140	Jun 30	5950	Apr 3	9720	Aug 8 1974
LOWEST DAILY MEAN	13	Jan 11	12	Mar 13	.00	Oct 3 1971
ANNUAL SEVEN-DAY MINIMUM	13	Jan 17	13	Oct 14	.00	Jun 15 1976
ANNUAL RUNOFF (AC-FT)	437900		592800		523600	
10 PERCENT EXCEEDS	1820		2440		1990	
50 PERCENT EXCEEDS	190		269		183	
90 PERCENT EXCEEDS	13		13		7.9	

No flow for one or more days during the period of record.

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE WATER (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)	WEATHER (WMO CODE NUMBER) (00041)	GAGE HEIGHT (FEET) (00065)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
OCT												
27...	1030	--	--	--	31.0	761	--	80020	0	10.95	1.2	46.0
27...	1031	0.50	60.0	25.0	--	--	1028	1028	--	--	--	--
27...	1032	3.00	60.0	24.0	--	--	1028	1028	--	--	--	--
27...	1033	5.00	60.0	24.0	--	--	1028	1028	--	--	--	--
27...	1034	10.0	60.0	24.0	--	--	1028	1028	--	--	--	--
27...	1040	0.50	175	24.5	--	--	1028	1028	--	--	--	--
27...	1041	3.00	175	24.0	--	--	1028	1028	--	--	--	--
27...	1042	5.00	175	24.0	--	--	1028	1028	--	--	--	--
27...	1043	10.0	175	24.0	--	--	1028	1028	--	--	--	--
27...	1044	18.0	175	23.5	--	--	1028	1028	--	--	--	--
27...	1050	0.50	290	26.0	--	--	1028	1028	--	--	--	--
27...	1051	3.00	290	24.0	--	--	1028	1028	--	--	--	--
27...	1052	5.00	290	24.0	--	--	1028	1028	--	--	--	--
27...	1053	10.0	290	24.0	--	--	1028	1028	--	--	--	--
27...	1054	11.0	290	24.0	--	--	1028	1028	--	--	--	--
JAN												
26...	1155	--	--	--	21.0	755	--	80020	3	<10.80	2.3	28.0
26...	1156	0.50	60.0	21.5	--	--	1028	1028	--	--	--	--
26...	1157	3.00	60.0	21.0	--	--	1028	1028	--	--	--	--
26...	1158	5.00	60.0	21.0	--	--	1028	1028	--	--	--	--
26...	1159	10.0	60.0	21.0	--	--	1028	1028	--	--	--	--
26...	1200	11.0	60.0	21.0	--	--	1028	1028	--	--	--	--
26...	1205	0.50	175	21.0	--	--	1028	1028	--	--	--	--
26...	1206	3.00	175	21.0	--	--	1028	1028	--	--	--	--
26...	1207	5.00	175	21.0	--	--	1028	1028	--	--	--	--
26...	1208	10.0	175	21.5	--	--	1028	1028	--	--	--	--
26...	1209	17.0	175	21.0	--	--	1028	1028	--	--	--	--
26...	1210	0.50	290	21.0	--	--	1028	1028	--	--	--	--
26...	1211	3.00	290	21.0	--	--	1028	1028	--	--	--	--
26...	1212	5.00	290	21.5	--	--	1028	1028	--	--	--	--
26...	1213	9.00	290	21.0	--	--	1028	1028	--	--	--	--
APR												
27...	0930	--	--	--	30.0	763	--	80020	2	11.19	2.1	42.0
27...	0931	0.50	60.0	23.5	--	--	1028	1028	--	--	--	--
27...	0932	3.00	60.0	23.5	--	--	1028	1028	--	--	--	--
27...	0933	5.00	60.0	23.5	--	--	1028	1028	--	--	--	--
27...	0934	10.0	60.0	23.5	--	--	1028	1028	--	--	--	--
27...	0935	0.50	175	23.5	--	--	1028	1028	--	--	--	--
27...	0936	3.00	175	23.5	--	--	1028	1028	--	--	--	--
27...	0937	5.00	175	23.5	--	--	1028	1028	--	--	--	--
27...	0938	10.0	175	23.5	--	--	1028	1028	--	--	--	--
27...	0939	25.0	175	23.0	--	--	1028	1028	--	--	--	--
27...	0940	0.50	290	23.5	--	--	1028	1028	--	--	--	--
27...	0941	3.00	290	23.5	--	--	1028	1028	--	--	--	--
27...	0942	5.00	290	23.5	--	--	1028	1028	--	--	--	--
27...	0943	10.0	290	23.0	--	--	1028	1028	--	--	--	--
27...	0944	18.0	290	23.0	--	--	1028	1028	--	--	--	--
JUL												
27...	0930	--	--	--	32.0	762	--	80020	3	11.08	0.40	58.0
27...	0931	0.50	60.0	32.0	--	--	1028	1028	--	--	--	--
27...	0932	3.00	60.0	32.0	--	--	1028	1028	--	--	--	--
27...	0933	5.00	60.0	32.0	--	--	1028	1028	--	--	--	--
27...	0934	10.0	60.0	30.5	--	--	1028	1028	--	--	--	--
27...	0935	0.50	175	32.0	--	--	1028	1028	--	--	--	--
27...	0936	3.00	175	32.5	--	--	1028	1028	--	--	--	--
27...	0937	5.00	175	32.0	--	--	1028	1028	--	--	--	--
27...	0938	10.0	175	30.5	--	--	1028	1028	--	--	--	--
27...	0939	18.0	175	29.0	--	--	1028	1028	--	--	--	--
27...	0940	0.50	290	32.5	--	--	1028	1028	--	--	--	--
27...	0941	3.00	290	32.0	--	--	1028	1028	--	--	--	--
27...	0942	5.00	290	32.0	--	--	1028	1028	--	--	--	--
27...	0943	10.0	290	30.5	--	--	1028	1028	--	--	--	--
27...	0944	12.0	290	30.0	--	--	1028	1028	--	--	--	--

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT												
27...	549	--	8.1	8.0	0.070	0.060	0.030	0.020	1.2	0.380	0.550	0.140
27...	496	5.6	7.9	--	--	--	--	--	--	--	--	--
27...	549	5.3	7.9	--	--	--	--	--	--	--	--	--
27...	552	5.0	7.2	--	--	--	--	--	--	--	--	--
27...	551	4.5	7.9	--	--	--	--	--	--	--	--	--
27...	553	5.4	7.9	--	--	--	--	--	--	--	--	--
27...	553	5.2	7.9	--	--	--	--	--	--	--	--	--
27...	551	5.0	7.9	--	--	--	--	--	--	--	--	--
27...	551	5.0	7.9	--	--	--	--	--	--	--	--	--
27...	554	3.9	7.9	--	--	--	--	--	--	--	--	--
27...	553	6.2	7.9	--	--	--	--	--	--	--	--	--
27...	552	4.8	7.9	--	--	--	--	--	--	--	--	--
27...	553	5.1	7.9	--	--	--	--	--	--	--	--	--
27...	552	4.8	7.9	--	--	--	--	--	--	--	--	--
27...	552	4.5	7.9	--	--	--	--	--	--	--	--	--
JAN												
26...	487	--	7.9	7.7	0.090	--	0.030	--	1.2	--	0.440	0.120
26...	490	5.7	7.9	--	--	--	--	--	--	--	--	--
26...	488	5.1	7.9	--	--	--	--	--	--	--	--	--
26...	488	4.9	7.9	--	--	--	--	--	--	--	--	--
26...	489	4.7	7.9	--	--	--	--	--	--	--	--	--
26...	489	4.7	7.9	--	--	--	--	--	--	--	--	--
26...	490	6.9	7.9	--	--	--	--	--	--	--	--	--
26...	490	5.2	7.9	--	--	--	--	--	--	--	--	--
26...	489	4.7	7.6	--	--	--	--	--	--	--	--	--
26...	493	4.7	7.9	--	--	--	--	--	--	--	--	--
26...	496	4.0	7.9	--	--	--	--	--	--	--	--	--
26...	478	5.8	7.7	--	--	--	--	--	--	--	--	--
26...	481	4.6	7.7	--	--	--	--	--	--	--	--	--
26...	481	4.7	7.9	--	--	--	--	--	--	--	--	--
26...	482	4.3	7.9	--	--	--	--	--	--	--	--	--
APR												
27...	476	--	7.4	7.8	0.080	--	<0.010	--	1.1	--	0.170	0.030
27...	475	7.0	7.9	--	--	--	--	--	--	--	--	--
27...	475	6.6	7.9	--	--	--	--	--	--	--	--	--
27...	476	5.8	7.9	--	--	--	--	--	--	--	--	--
27...	481	4.6	7.9	--	--	--	--	--	--	--	--	--
27...	476	7.0	7.9	--	--	--	--	--	--	--	--	--
27...	477	6.3	7.9	--	--	--	--	--	--	--	--	--
27...	476	5.9	7.9	--	--	--	--	--	--	--	--	--
27...	477	5.6	7.9	--	--	--	--	--	--	--	--	--
27...	478	5.3	7.9	--	--	--	--	--	--	--	--	--
27...	475	8.0	7.9	--	--	--	--	--	--	--	--	--
27...	475	6.6	7.9	--	--	--	--	--	--	--	--	--
27...	477	5.9	7.9	--	--	--	--	--	--	--	--	--
27...	477	5.5	7.9	--	--	--	--	--	--	--	--	--
27...	478	4.9	7.9	--	--	--	--	--	--	--	--	--
JUL												
27...	531	--	8.5	7.8	0.100	--	0.020	--	1.3	--	0.110	0.040
27...	533	--	8.5	--	--	--	--	--	--	--	--	--
27...	535	--	7.9	--	--	--	--	--	--	--	--	--
27...	535	--	8.4	--	--	--	--	--	--	--	--	--
27...	540	--	7.9	--	--	--	--	--	--	--	--	--
27...	535	--	8.0	--	--	--	--	--	--	--	--	--
27...	533	--	8.1	--	--	--	--	--	--	--	--	--
27...	537	--	8.1	--	--	--	--	--	--	--	--	--
27...	538	--	8.0	--	--	--	--	--	--	--	--	--
27...	533	--	8.0	--	--	--	--	--	--	--	--	--
27...	530	--	8.1	--	--	--	--	--	--	--	--	--
27...	532	--	8.1	--	--	--	--	--	--	--	--	--
27...	536	--	8.1	--	--	--	--	--	--	--	--	--
27...	535	--	8.0	--	--	--	--	--	--	--	--	--
27...	534	--	7.7	--	--	--	--	--	--	--	--	--

02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	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)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	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)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT												
27...	0.160	0.150	72	8.8	30	4.9	55	32	0.20	10	29	<3
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JAN												
26...	0.220	0.200	45	10	35	5.1	66	28	0.20	7.2	30	<3
26...	--	--	--	--	--	--	--	--	--	--	--	--
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APR												
27...	0.050	0.030	36	12	39	4.9	66	37	0.20	7.4	31	<3
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JUL												
27...	0.130	0.090	58	12	43	5.8	65	33	0.20	8.7	22	<3
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02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	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)	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)
OCT											
27...	210	7	<10	<1	<1.0	520	<6	20	7	<1	16
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JAN											
26...	85	7	<10	2	<1.0	690	<6	120	<4	<1	26
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APR											
27...	61	2	<10	<1	<1.0	770	<6	30	<4	<1	11
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JUL											
27...	31	2	<10	1	<1.0	750	<6	20	<4	<1	1500
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02292480 CALOOSAHATCHEE CANAL AT ORTONA LOCK NEAR LA BELLE, FL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	SAMPLE PURPOSE CODE (71999)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAM-PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT											
27...	19	164	359	67	0.120	20.0	3	40	8010	551	165
27...	--	--	--	--	--	--	--	--	--	--	--
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JAN											
26...	100	115	307	--	--	20.0	18	40	8010	489	118
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APR											
27...	59	120	289	--	--	20.0	4	40	8010	476	93
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JUL											
27...	15	138	366	100	--	20.0	3	40	8010	544	137
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02292780 TOWNSEND CANAL NEAR ALVA, FL

LOCATION.--Lat 26°42'33", long 81°33'30", in SW1/4 sec.30, T.43 S., R.28 E., Hendry County, Hydrologic Unit 03090205, on north side of bridge on State Road 80, 3.2 mi east of Alva, 9 mi west of La Belle, and 9.6 mi east of Olga. This is main/center gage. Destroyed June 8, 1992. Two auxiliary gages at this site, one upstream approximately 1 mi from bridge on State Road 80, located on east bank of canal; one downstream approximately 1,000 ft from bridge on State Road 80, located on east bank of canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1975 to current year.

GAGE.--Water-stage recorders. Prior to July 1983, deflection vane recorder at same site. Prior to Oct. 1, 1987, electromagnetic velocity meter at same site. Datum of gage is National Geodetic Vertical Datum of 1929. Since April 17, 1987 supplementary water-stage recorder at site 1000 ft downstream. Since Dec. 4, 1987 auxiliary upstream recorder at site above primary gage, primary (center) gage destroyed June 8, 1992.

REMARKS.--Records very poor. No primary gage (center gage), destroyed June 8, 1992. 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 stage-discharge relation and slope discharge relation, were not published for the fs1993 water year.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1977-82).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 9.98 ft June 9, 1983; minimum, 1.08 ft July 27, 1983.

NO DATA AVAILABLE
GAGE DESTROYED JUNE 8, 1992

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

LOCATION.--Lat 26°43'25", long 81°41'55", in SW1/4 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.

PERIOD OF RECORD.--December 1964 to March 1966 (gage heights), April 1966 to current year.

REVISED RECORD.--WDR FL-79-2A; 1978.

GAGE.--Dual water-stage graphic recorder, satellite data collection platform with water-stage shaft encoder, 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.--Records good except for estiamted discharge which is poor. Flow regulated by operation of salinity-control structure 79. Discharge computed from relations between discharge, head, and gate opening. Satellite data collection platform with shaft encoders were installed Aug. 30, 1991 to collect upstream and downstream stages.

COOPERATION.--Records of gate and lock operation provided by U.S. Army Corps of Engineers.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 27 complete years of discharge (1967-93).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 5.42 ft June 18, 1982; minimum, 1.18 ft Sept. 22, 1966.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 4.03 ft Oct. 4; minimum, 2.50 ft May 30.

REVISIONS.--Revised figures of discharge for water year 1992 superseding those published in WDR FL-92-2A.

SEE THE FOLLOWING PAGE FOR THE TABLE OF DISCHARGE

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	949	387	801	13	100	119	12	11	8.8	13000	654	3700
2	991	265	443	11	138	698	12	10	7.8	10600	730	3470
3	1970	164	67	9.7	60	14	221	11	204	8710	1430	3200
4	1980	213	468	9.0	9.9	14	210	11	1550	6910	1910	3980
5	2230	12	17	11	308	12	355	8.7	1830	5570	1750	4320
6	2790	860	13	9.8	1630	10	359	8.5	1410	3720	2100	5530
7	3270	341	12	10	856	10	54	9.5	1510	4780	2570	6710
8	2580	349	299	10	976	11	353	12	1230	3850	2280	6300
9	1920	334	51	9.3	656	13	184	13	594	3680	2150	5130
10	1970	347	12	11	209	9.2	205	13	1630	2940	2020	3630
11	1790	545	12	13	529	11	365	13	671	1560	2940	3230
12	1580	94	12	12	397	13	1000	818	1670	2650	3370	2110
13	1200	11	11	8.2	11	13	1480	879	3040	2550	5600	2170
14	1110	9.7	12	7.7	10	149	1650	151	3490	2060	5290	2090
15	1660	9.7	14	12	10	353	634	9.0	3040	1910	5330	2000
16	1380	10	19	13	26	201	527	11	3570	2350	5400	1970
17	961	9.9	15	12	54	14	508	12	3610	1980	5160	1120
18	1120	9.4	12	11	9.8	11	190	13	2830	1840	3980	1450
19	276	9.6	16	9.6	9.2	98	410	13	2110	2000	3700	1900
20	559	9.8	18	808	11	531	1120	12	1590	1760	3990	1430
21	581	9.9	13	441	14	850	1080	857	808	1760	4120	854
22	1370	9.4	249	34	13	12	1240	1590	1420	1980	4060	1190
23	1200	254	75	560	11	1260	605	381	652	1700	5170	1040
24	1170	942	10	396	29	1410	13	11	1990	1260	4010	2200
25	523	163	12	16	980	1370	788	9.2	2930	1330	3790	1480
26	969	616	12	14	2210	1760	12	8.8	10000	1320	4050	2010
27	487	155	12	13	2470	703	483	9.1	10800	988	4820	1240
28	675	14	12	27	1350	1550	132	8.8	14700	203	5870	1190
29	43	395	11	200	1000	426	14	8.6	15500	8.7	5030	1110
30	239	448	12	202	---	1080	12	9.1	15300	308	5540	1100
31	345	---	14	118	---	545	---	10	---	317	5130	---
TOTAL	39888	6996.4	2756	3031.3	14086.9	13270.2	14228	4941.3	109695.6	95594.7	113944	78854
MEAN	1287	233	88.9	97.8	486	428	474	159	3657	3084	3676	2628
MAX	3270	942	801	808	2470	1760	1650	1590	15500	13000	5870	6710
MIN	43	9.4	10	7.7	9.2	9.2	12	8.5	7.8	8.7	654	854
AC-FT	79120	13880	5470	6010	27940	26320	28220	9800	217600	189600	226000	156400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1992, BY WATER YEAR (WY)

MEAN	1684	759	459	884	1234	1698	1299	749	2008	2494	2761	2010
MAX	6772	6869	4789	7486	10080	10320	8198	2634	6053	7376	10750	5248
(WY)	1970	1970	1970	1970	1983	1983	1983	1969	1982	1974	1974	1974
MIN	84.7	26.2	4.31	2.91	10.0	5.68	10.0	10.0	192	80.7	228	370
(WY)	1973	1991	1982	1982	1975	1990	1967	1967	1979	1981	1972	1972

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966 - 1992	
ANNUAL TOTAL	464975.2		497286.4			
ANNUAL MEAN	1274		1359		1462	
HIGHEST ANNUAL MEAN					5203	1970
LOWEST ANNUAL MEAN					296	1981
HIGHEST DAILY MEAN	6650	Jul 2	15500	Jun 29	21400	Mar 27 1970
LOWEST DAILY MEAN	5.8	Mar 30	7.7	Jan 14	.00	May 17 1981
ANNUAL SEVEN-DAY MINIMUM	8.2	Apr 28	8.9	May 27	.00	May 20 1981
ANNUAL RUNOFF (AC-FT)	922300		986400		1059000	
10 PERCENT EXCEEDS	3440		3740		5060	
50 PERCENT EXCEEDS	660		515		387	
90 PERCENT EXCEEDS	9.5		10		10	

REVISED

02292900 CALOOSAHATCHEE RIVER AT S-79, NEAR OLGA, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1240	11	59	14	764	1980	1640	190	1060	808	2080	6080
2	1270	8.7	9.6	160	2190	1060	5310	49	1180	209	1990	6410
3	1110	8.9	12	820	4120	384	6450	10	1730	611	2700	5780
4	2550	9.5	11	11	6070	515	5420	9.5	1740	719	1570	3680
5	2590	9.0	11	9.2	5540	575	5860	10	1580	585	760	3630
6	2340	10	12	1170	4560	450	5200	12	2330	841	476	4880
7	2060	12	11	188	3590	203	3210	12	1510	676	63	8040
8	1790	15	10	543	2460	253	2140	11	2480	920	83	8950
9	696	16	10	3590	1030	13	1160	11	4920	538	158	10500
10	892	16	9.3	2590	1080	11	1030	12	2090	670	353	6280
11	1150	13	638	2610	901	11	2420	12	11	e428	967	5730
12	817	252	396	2410	3100	11	4650	9.8	10	e289	917	5120
13	528	94	240	2880	3970	1.1	5960	7.8	11	e129	720	4410
14	192	14	376	3720	4500	15	5220	8.4	11	e690	9.6	4650
15	184	16	12	4260	3990	353	5040	11	10	e410	1090	4590
16	172	16	11	3990	3200	1840	4990	11	11	e770	640	3500
17	166	14	10	3360	2670	1610	4480	11	12	627	367	3120
18	165	11	11	3170	2190	3260	2130	9.6	12	321	350	2250
19	195	11	11	2040	1340	2600	1330	8.9	12	175	344	2210
20	65	9.8	154	1610	756	1620	304	7.6	9.8	82	63	1680
21	11	7.5	149	949	1050	1020	1060	10	9.4	8.3	8.6	1210
22	11	235	11	1340	1240	1560	3850	12	8.7	9.2	8.3	1280
23	11	1840	10	3260	3540	2280	4920	12	9.7	8.4	53	243
24	9.1	977	11	4150	4610	4000	4500	9.7	11	806	2190	487
25	7.5	494	13	5460	3460	4530	3500	9.8	618	1150	1960	562
26	8.2	386	11	5490	3060	4340	2570	11	936	1340	1660	725
27	8.9	473	11	4770	3110	3120	1850	12	1230	152	1230	686
28	8.5	364	13	3490	2870	2480	1280	12	2380	1960	2920	2270
29	8.8	14	14	2480	---	2100	406	1520	1310	3160	4180	2770
30	8.9	116	14	1970	---	1680	148	1520	1130	2320	8000	1630
31	8.6	---	13	1890	---	583	---	1980	---	2240	8260	---
TOTAL	20273.5	5473.4	2283.9	74394.2	80961	44458.1	98028	5532.1	28372.6	23651.9	46170.5	113353
MEAN	654	182	73.7	2400	2891	1434	3268	178	946	763	1489	3778
MAX	2590	1840	638	5490	6070	4530	6450	1980	4920	3160	8260	10500
MIN	7.5	7.5	9.3	9.2	756	1.1	148	7.6	8.7	8.3	8.3	243
AC-FT	40210	10860	4530	147600	160600	88180	194400	10970	56280	46910	91580	224800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1993, BY WATER YEAR (WY)

MEAN	1646	737	444	940	1295	1688	1372	728	1970	2432	2716	2074
MAX	6772	6869	4789	7486	10080	10320	8198	2634	6053	7376	10750	5248
(WY)	1970	1970	1970	1970	1983	1983	1983	1969	1982	1974	1974	1974
MIN	84.7	26.2	4.31	2.91	10.0	5.68	10.0	10.0	192	80.7	228	370
(WY)	1973	1991	1982	1982	1975	1990	1967	1967	1979	1981	1972	1972

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1966 - 1993	
ANNUAL TOTAL	475676.8		542952.2			
ANNUAL MEAN	1300		1488		1463	
HIGHEST ANNUAL MEAN					5203	1970
LOWEST ANNUAL MEAN					296	1981
HIGHEST DAILY MEAN	15500	Jun 29	10500	Sep 9	21400	Mar 27 1970
LOWEST DAILY MEAN	7.5	Oct 25	1.1	Mar 13	.00	May 17 1981
ANNUAL SEVEN-DAY MINIMUM	8.5	Oct 25	8.5	Oct 25	.00	May 20 1981
ANNUAL RUNOFF (AC-FT)	943500		1077000		1060000	
10 PERCENT EXCEEDS	3740		4490		5000	
50 PERCENT EXCEEDS	361		719		397	
90 PERCENT EXCEEDS	9.8		9.8		10	

e Estimated

02293214 MEADE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°38'10", long 81°55'50", in NE1/4 sec.20 T.44 S., R.24 E., Lee County, Hydrologic Unit 0300205, (Fort Myers NW Quadrangle), near left bank on upstream side of wingwall of bridge on Viscaya Parkway, 100 ft west of S.E. 21st Avenue, and 1.5 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department Bench Mark.

REMARKS.--No estimated discharge. Records fair.

ANNUAL MEAN and RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293214
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.45	5.52	5.47	5.49	5.42	5.59	5.46	5.42	5.22	5.42	5.46	5.34
2	5.46	5.52	5.47	5.50	5.44	5.59	5.46	5.41	5.21	5.53	5.40	5.32
3	5.48	5.52	5.49	5.49	5.44	5.59	5.44	5.40	5.20	5.59	5.37	5.30
4	5.48	5.52	5.49	5.55	5.45	5.61	5.44	5.40	5.19	5.55	5.36	5.29
5	5.47	5.52	5.50	5.62	5.46	5.60	5.53	5.40	5.19	5.54	5.33	5.33
6	5.45	5.52	5.51	5.61	5.46	5.59	5.50	5.39	5.18	5.42	5.29	5.42
7	5.45	5.51	5.51	5.59	5.48	5.57	5.47	5.39	5.16	5.48	5.26	5.37
8	5.46	5.51	5.51	5.59	5.47	5.56	5.46	5.38	5.16	5.52	5.25	5.37
9	5.46	5.51	5.51	5.77	5.45	5.57	5.45	5.33	5.18	5.51	5.24	5.37
10	5.46	5.52	5.60	5.73	5.45	5.57	5.45	5.27	5.18	5.55	5.32	5.35
11	5.46	5.54	5.63	5.70	5.45	5.56	5.44	5.23	5.16	5.53	5.45	5.33
12	5.47	5.61	5.60	5.68	5.64	5.56	5.43	5.23	5.16	5.50	5.49	5.37
13	5.48	5.61	5.58	5.61	5.59	5.91	5.43	5.22	5.17	5.49	5.48	5.43
14	5.48	5.58	5.57	5.44	5.56	5.79	5.43	5.22	5.23	5.49	5.43	5.44
15	5.49	5.54	5.56	5.40	5.54	5.68	5.43	5.21	5.33	5.49	5.40	5.47
16	5.51	5.52	5.55	5.42	5.52	5.47	5.51	5.20	5.46	5.48	5.40	5.45
17	5.52	5.52	5.54	5.39	5.50	5.42	5.50	5.20	5.53	5.47	5.40	5.44
18	5.52	5.52	5.53	5.37	5.49	5.44	5.49	5.19	5.52	5.46	5.39	5.43
19	5.52	5.53	5.52	5.37	5.47	5.43	5.48	5.20	5.46	5.40	5.38	5.41
20	5.51	5.54	5.51	5.37	5.47	5.43	5.48	5.23	5.49	5.34	5.37	5.40
21	5.50	5.57	5.50	5.37	5.47	5.43	5.48	5.23	5.58	5.30	5.36	5.42
22	5.49	5.57	5.49	5.38	5.50	5.45	5.46	5.21	5.54	5.28	5.35	5.43
23	5.49	5.57	5.48	5.38	5.56	5.51	5.43	5.19	5.53	5.27	5.34	5.41
24	5.50	5.60	5.48	5.38	5.53	5.50	5.42	5.17	5.44	5.27	5.34	5.41
25	5.51	5.56	5.47	5.40	5.52	5.50	5.42	5.16	5.41	5.27	5.35	5.41
26	5.51	5.53	5.48	5.48	5.55	5.49	5.42	5.15	5.41	5.27	5.35	5.43
27	5.51	5.52	5.48	5.40	5.60	5.47	5.42	5.14	5.44	5.26	5.34	5.40
28	5.52	5.49	5.48	5.36	5.59	5.46	5.43	5.15	5.42	5.26	5.34	5.41
29	5.51	5.47	5.48	5.37	---	5.44	5.42	5.18	5.39	5.29	5.37	5.43
30	5.52	5.46	5.48	5.39	---	5.44	5.42	5.19	5.38	5.32	5.37	5.41
31	5.52	---	5.48	5.40	---	5.44	---	5.22	---	5.49	5.35	---
TOTAL	170.16	166.02	170.95	170.00	154.07	171.66	163.60	162.91	159.92	168.04	166.33	161.79
MEAN	5.49	5.53	5.51	5.48	5.50	5.54	5.45	5.26	5.33	5.42	5.37	5.39
MAX	5.52	5.61	5.63	5.77	5.64	5.91	5.53	5.42	5.58	5.59	5.49	5.47
MIN	5.45	5.46	5.47	5.36	5.42	5.42	5.42	5.14	5.16	5.26	5.24	5.29

02293214 MEADE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.69	.00	2.1	1.6	1.9	1.0	.24	.07	3.5	6.1	2.9
2	.06	.66	.00	2.5	1.9	1.8	1.1	.10	.05	6.9	4.2	2.5
3	.16	.67	.00	2.6	1.8	1.8	1.0	.00	.02	9.9	3.3	2.3
4	.23	.66	.00	5.5	2.0	2.9	1.0	.00	.00	7.4	2.9	2.0
5	.07	.61	.03	8.0	2.0	1.6	2.8	.03	.05	6.7	2.3	3.1
6	.00	.63	.10	6.4	2.1	1.3	2.4	.00	.02	3.3	1.2	5.3
7	.00	.49	.05	5.5	2.3	.94	2.0	.00	.00	4.7	.90	4.0
8	.00	.38	.00	6.5	1.9	.71	1.8	.00	.05	5.7	.75	3.9
9	.00	.35	.00	16	1.7	.71	1.6	.00	.14	5.3	.66	3.9
10	.00	.53	6.7	15	1.5	.63	1.4	.00	.09	6.2	2.8	3.5
11	.05	1.3	5.2	14	1.7	.68	1.2	.00	.00	5.7	5.9	2.9
12	.11	2.7	1.2	13	9.9	.68	1.1	.00	.00	5.0	6.9	4.0
13	.16	2.6	1.0	9.2	4.4	21	.97	.00	.09	4.5	6.7	5.5
14	.21	1.5	.96	3.2	3.2	17	.92	.00	.59	4.6	5.5	5.8
15	.34	.71	.97	2.5	2.6	11	1.0	.00	2.4	4.9	4.6	6.5
16	.47	.45	.97	2.8	2.3	.18	2.3	.00	6.1	4.7	4.5	6.1
17	.64	.40	.97	2.1	1.6	.03	1.9	.00	8.3	4.5	4.7	5.8
18	.68	.42	.90	1.8	1.3	.00	1.8	.00	8.0	4.2	4.5	5.6
19	.70	.47	.84	1.6	.98	.00	1.6	.00	6.1	2.9	4.2	5.2
20	.51	.71	.83	1.7	.84	.00	1.4	.00	6.6	1.7	3.9	4.9
21	.39	1.1	.79	1.5	.83	.00	1.4	.00	9.9	1.1	3.5	5.3
22	.30	.93	.79	1.5	1.1	.27	1.1	.00	8.6	.81	3.2	5.5
23	.34	1.3	.78	1.6	2.1	.88	.58	.00	8.2	.76	3.0	5.3
24	.45	2.0	.85	1.4	1.5	.93	.46	.00	4.7	.79	2.7	5.1
25	.51	.83	.86	1.9	1.0	.97	.41	.00	3.1	.83	3.0	5.2
26	.52	.46	1.0	3.2	2.0	.93	.32	.00	3.2	.77	3.2	5.8
27	.54	.26	1.2	1.6	2.7	.83	.33	.00	3.9	.80	2.8	5.0
28	.60	.04	1.4	.92	2.0	.64	.37	.00	3.5	.80	2.8	4.9
29	.59	.00	1.5	.94	---	.59	.28	.00	2.8	1.2	3.5	5.8
30	.65	.00	1.7	1.2	---	.58	.23	.02	2.5	1.6	3.6	5.1
31	.67	---	1.8	1.4	---	.63	---	.03	---	7.0	3.3	---
TOTAL	9.96	23.85	33.39	139.16	60.85	72.11	35.77	0.42	89.07	118.76	111.11	138.7
MEAN	.32	.79	1.08	4.49	2.17	2.33	1.19	.014	2.97	3.83	3.58	4.62
MAX	.70	2.7	6.7	16	9.9	21	2.8	.24	9.9	9.9	6.9	6.5
MIN	.00	.00	.00	.92	.83	.00	.23	.00	.00	.76	.66	2.0
AC-FT	20	47	66	276	121	143	71	.8	177	236	220	275

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	3.46	1.64	1.29	2.57	1.87	2.29	1.52	1.46	7.26	11.8	9.52	7.80
MAX	8.14	5.20	2.72	7.86	3.91	4.47	4.33	4.53	14.1	22.3	21.5	19.8
(WY)	1988	1988	1990	1991	1992	1992	1987	1991	1991	1989	1989	1989
MIN	.000	.079	.42	.67	.29	.57	.000	.014	1.27	3.83	3.20	4.14
(WY)	1989	1990	1991	1990	1989	1990	1990	1993	1988	1993	1991	1992

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	1402.76		833.15			
ANNUAL MEAN	3.83		2.28		4.42	
HIGHEST ANNUAL MEAN					5.94	1989
LOWEST ANNUAL MEAN					2.28	1993
HIGHEST DAILY MEAN	75	Jun 29	21	Mar 13	75	Jun 29 1992
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 6	.00	May 8 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 24	.00	May 6	.00	Jun 3 1988
INSTANTANEOUS PEAK FLOW			29	Mar 13	106	Jun 28 1992
INSTANTANEOUS PEAK STAGE			6.09	Mar 13	7.05	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	Oct 1	.00	May 8 1988
ANNUAL RUNOFF (AC-FT)	2780		1650		3210	
10 PERCENT EXCEEDS	8.6		5.8		13	
50 PERCENT EXCEEDS	1.8		1.2		1.9	
90 PERCENT EXCEEDS	.04		.00		.00	

02293216 MACKINAC CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°38'09", long 81°57'29", in NW1/4 sec.19, T.44 S., R.24 E., Lee County, Hydrologic Unit 03090205, (Fort Myers NW quadrangle), near left bank on upstream side of wingwall of bridge on SE 9th St., 105 ft west of S.E. 8th St., .4 mi upstream from Country Club Blvd. bridge and 3.4 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department bench mark.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293216
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.29	6.99	7.03	6.95	e7.13	7.21	7.14	6.72	6.21	7.45	7.31	7.23
2	7.28	6.98	7.03	6.94	e7.14	7.20	7.14	6.68	6.20	7.50	7.28	7.21
3	7.31	6.98	7.02	6.93	e7.15	7.19	7.12	6.64	6.18	7.45	7.26	7.20
4	7.33	6.98	7.01	6.95	e7.15	7.20	7.11	6.62	6.16	7.39	7.24	7.18
5	7.32	6.98	7.01	6.99	e7.16	7.18	7.20	6.59	6.13	7.43	7.22	7.19
6	7.28	6.98	7.00	7.00	e7.17	7.16	7.20	6.55	6.09	7.43	7.17	7.29
7	7.25	6.97	6.99	7.01	e7.18	7.14	7.17	6.49	6.05	7.60	7.13	7.29
8	7.24	6.95	6.98	7.02	e7.17	7.11	7.15	6.45	6.01	7.58	7.08	7.33
9	7.22	6.94	6.97	7.23	e7.15	7.10	7.14	6.45	5.99	7.48	7.05	7.31
10	7.20	6.95	7.03	7.24	e7.14	7.08	7.14	6.42	5.99	7.50	7.15	7.29
11	7.19	6.96	7.08	7.23	e7.15	7.08	7.13	6.39	5.97	7.45	7.47	7.26
12	7.17	7.00	7.07	7.22	7.35	7.06	7.11	6.36	5.94	7.42	7.64	7.29
13	7.14	7.05	7.06	7.21	7.31	7.49	7.08	6.35	5.95	7.40	7.53	7.38
14	7.12	7.05	7.05	7.20	7.28	7.41	7.04	6.34	6.07	7.37	7.44	7.38
15	7.09	7.03	7.05	e7.22	7.26	7.33	7.03	6.32	6.24	7.34	7.38	7.39
16	7.08	7.02	7.04	e7.19	7.24	7.29	7.12	6.31	6.64	7.33	7.35	7.35
17	7.06	7.02	7.04	e7.17	7.23	7.29	7.12	6.28	6.99	7.30	7.34	7.32
18	7.05	7.02	7.03	e7.17	7.22	7.32	7.11	6.25	7.15	7.28	7.30	7.31
19	7.02	7.02	7.03	e7.17	7.19	7.29	7.09	6.23	7.15	7.26	7.27	7.28
20	6.99	7.01	7.02	e7.17	7.17	7.26	7.07	6.24	7.19	7.23	7.25	7.26
21	6.96	7.02	7.02	e7.18	7.15	7.25	7.06	6.23	7.29	7.20	7.22	7.25
22	6.96	7.02	7.02	e7.18	7.17	7.24	7.04	6.20	7.27	7.16	7.19	7.25
23	6.96	7.03	7.01	e7.17	7.22	7.24	7.01	6.16	7.26	7.14	7.16	7.23
24	6.97	7.10	7.01	e7.18	7.18	7.23	6.97	6.13	7.27	7.13	7.14	7.21
25	6.97	7.10	6.99	e7.27	7.16	7.22	6.94	6.10	7.27	7.13	7.14	7.19
26	6.98	7.09	6.99	e7.22	7.20	7.22	6.92	6.07	7.28	7.12	7.16	7.19
27	6.98	7.09	6.99	e7.14	7.24	7.21	6.90	6.03	7.32	7.10	7.17	7.18
28	6.99	7.07	6.99	e7.08	7.23	7.19	6.86	6.02	7.30	7.10	7.17	7.19
29	6.99	7.05	6.97	e7.09	---	7.16	6.81	6.07	7.27	7.09	7.20	7.22
30	6.99	7.03	6.96	e7.10	---	7.14	6.76	6.10	7.24	7.12	7.23	7.19
31	6.99	---	6.95	e7.12	---	7.13	---	6.19	---	7.25	7.24	---
TOTAL	220.37	210.48	217.44	220.94	201.49	223.62	211.68	195.98	199.07	226.73	224.88	217.84
MEAN	7.11	7.02	7.01	7.13	7.20	7.21	7.06	6.32	6.64	7.31	7.25	7.26
MAX	7.33	7.10	7.08	7.27	7.35	7.49	7.20	6.72	7.32	7.60	7.64	7.39
MIN	6.96	6.94	6.95	6.93	7.13	7.06	6.76	6.02	5.94	7.09	7.05	7.18

e Estimated

02293216 MACKINAC CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	.00	.00	.00	e.00	.37	.00	.00	.00	20	2.9	.65
2	2.0	.00	.00	.00	e.00	.19	.00	.00	.00	22	2.0	.32
3	2.8	.00	.00	.00	e.00	.11	.00	.00	.00	14	1.4	.15
4	3.7	.00	.00	.00	e.00	.15	.00	.00	.00	6.4	.87	.06
5	3.2	.00	.00	.00	e.00	.04	.27	.00	.00	11	.48	.49
6	2.0	.00	.00	.00	e.00	.00	.15	.00	.00	11	.03	2.2
7	1.1	.00	.00	.00	e.00	.00	.01	.00	.00	35	.00	2.1
8	.79	.00	.00	.00	e.00	.00	.00	.00	.00	32	.00	3.6
9	.54	.00	.00	.63	e.00	.00	.00	.00	.00	19	.00	2.9
10	.21	.00	.00	.73	e.00	.00	.00	.00	.00	22	5.2	2.0
11	.09	.00	.00	.71	e.14	.00	.00	.00	.00	14	17	1.4
12	.00	.00	.00	.46	4.3	.00	.00	.00	.00	9.2	40	2.8
13	.00	.00	.00	.27	2.9	24	.00	.00	.00	7.2	26	5.9
14	.00	.00	.00	.15	1.9	8.2	.00	.00	.00	5.5	12	6.5
15	.00	.00	.00	e.49	1.2	3.8	.00	.00	.00	4.1	5.7	6.6
16	.00	.00	.00	e.00	.78	2.3	.00	.00	.00	3.6	4.5	4.6
17	.00	.00	.00	e.00	.70	2.5	.00	.00	.00	2.6	4.0	3.5
18	.00	.00	.00	e.00	.43	3.5	.00	.00	.00	2.0	2.6	2.9
19	.00	.00	.00	e.00	.06	2.1	.00	.00	.00	1.3	1.8	1.8
20	.00	.00	.00	e.00	.00	1.4	.00	.00	.61	.69	1.2	1.2
21	.00	.00	.00	e.00	.00	1.1	.00	.00	2.1	.17	.47	1.1
22	.00	.00	.00	e.00	.17	.73	.00	.00	1.5	.00	.08	1.1
23	.00	.00	.00	e.00	.45	.73	.00	.00	1.4	.00	.00	.64
24	.00	.00	.00	e.00	.06	.72	.00	.00	1.8	.00	.00	.32
25	.00	.00	.00	e1.7	.00	.55	.00	.00	1.6	.00	.00	.08
26	.00	.00	.00	e.49	.55	.42	.00	.00	1.9	.00	.00	.11
27	.00	.00	.00	e.00	.86	.26	.00	.00	3.4	.00	.00	.04
28	.00	.00	.00	e.00	.64	.11	.00	.00	2.4	.00	.02	.16
29	.00	.00	.00	e.00	---	.00	.00	.00	1.7	.00	.29	.42
30	.00	.00	.00	e.00	---	.00	.00	.00	.78	.00	.62	.13
31	.00	---	.00	e.00	---	.00	---	.00	---	2.3	.74	---
TOTAL	18.53	0.00	0.00	5.63	15.14	53.28	0.43	0.00	19.19	245.06	129.90	55.77
MEAN	.60	.000	.000	.18	.54	1.72	.014	.000	.64	7.91	4.19	1.86
MAX	3.7	.00	.00	1.7	4.3	24	.27	.00	3.4	35	40	6.6
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04
AC-FT	37	.00	.00	11	30	106	.9	.00	38	486	258	111

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	1.82	.000	.000	.026	.097	.51	.023	.000	4.44	3.56	1.76	3.19
MAX	8.24	.000	.000	.18	.54	1.83	.15	.000	30.4	11.1	4.39	11.9
(WY)	1992	1988	1987	1993	1993	1992	1992	1987	1992	1992	1992	1991
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1989	1988	1987	1987	1987	1987	1987	1987	1988	1988	1989	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	1638.47		542.93			
ANNUAL MEAN	4.48		1.49		1.39	
HIGHEST ANNUAL MEAN					5.12	1992
LOWEST ANNUAL MEAN					.000	1989
HIGHEST DAILY MEAN	221	Jun 28	40	Aug 12	221	Jun 28 1992
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 12	.00	Nov 17 1986
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 12	.00	Nov 17 1986
INSTANTANEOUS PEAK FLOW			55	Aug 11	430	Jun 28 1992
INSTANTANEOUS PEAK STAGE			7.74	Aug 11	9.26	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	Oct 11	.00	Nov 17 1986
ANNUAL RUNOFF (AC-FT)	3250		1080		1010	
10 PERCENT EXCEEDS	9.3		3.4		1.0	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

02293240 ARIES CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°36'01", long 81°59'48", in NE1/4 sec.34, T.44 S., R.23 E., Lee County, Hydrologic Unit 03090205, (Fort Myers SW quadrangle), near right back on downstream side of wingwall of bridge at SW 28th Street, 0.6 mi east of Chiquita Boulevard, and 6 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1989 to current year.

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

REMARKS.--Records poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 4 complete water years of discharge (1990-93).

STATION NUMBER 02293240
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.40	3.12	3.26	3.06	3.38	3.23	3.22	3.05	3.05	3.48	3.42	3.50
2	3.40	3.12	3.27	3.07	3.37	3.23	3.22	3.05	3.04	3.57	3.42	3.47
3	3.42	3.12	3.27	3.06	3.35	3.25	3.20	3.04	3.03	3.50	3.41	3.45
4	3.44	3.11	3.27	3.05	3.35	3.29	3.19	3.05	3.02	3.45	3.41	3.42
5	3.41	3.11	3.25	3.05	3.36	3.26	3.28	3.05	3.01	3.45	3.39	3.40
6	3.38	3.10	3.24	3.05	3.34	3.23	3.26	3.05	3.00	3.53	3.37	3.40
7	3.36	3.10	3.23	3.05	3.34	3.22	3.24	3.04	2.99	3.81	3.35	3.46
8	3.35	3.09	3.23	3.07	3.33	3.21	3.22	3.06	2.96	3.76	3.33	3.70
9	3.33	3.09	3.20	3.26	3.33	3.19	3.20	3.11	2.98	3.71	3.33	3.56
10	3.31	3.10	3.15	3.21	3.33	3.19	3.18	3.08	2.98	3.67	3.56	3.50
11	3.31	3.13	3.15	3.20	3.32	3.16	3.17	3.05	2.97	3.60	3.84	3.48
12	3.29	3.21	3.14	3.20	3.31	3.14	3.15	3.04	2.97	3.60	3.86	3.52
13	3.28	3.20	3.13	3.19	3.30	3.59	3.14	3.04	3.10	3.59	3.70	3.59
14	3.26	3.19	3.13	3.21	3.30	3.43	3.12	3.04	3.28	3.61	3.58	3.59
15	3.24	3.17	3.13	3.24	3.29	3.36	3.11	3.03	3.29	3.66	3.52	3.59
16	3.22	3.16	3.11	3.28	3.29	3.35	3.19	3.03	3.42	3.62	3.51	3.55
17	3.19	3.17	3.10	3.30	3.28	3.37	3.17	3.03	3.42	3.61	3.51	3.52
18	3.18	3.17	3.11	3.30	3.28	3.38	3.16	3.04	3.38	3.56	3.47	3.52
19	3.17	3.19	3.11	3.30	3.27	3.33	3.15	3.07	3.34	3.51	3.44	3.51
20	3.15	3.23	3.11	3.30	3.27	3.31	3.15	3.07	3.39	3.51	3.42	3.52
21	3.15	3.23	3.11	3.30	3.26	3.31	3.15	3.05	3.41	3.50	3.40	3.51
22	3.15	3.23	3.12	3.30	3.26	3.29	3.14	3.02	3.37	3.45	3.38	3.52
23	3.15	3.25	3.11	3.29	3.26	3.28	3.12	2.99	3.35	3.42	3.37	3.48
24	3.15	3.35	3.10	3.28	3.27	3.27	3.10	2.99	3.37	3.40	3.35	3.46
25	3.16	3.33	3.09	3.27	3.25	3.27	3.08	2.98	3.36	3.38	3.35	3.45
26	3.16	3.31	3.09	3.29	3.24	3.26	3.08	2.98	3.40	3.37	3.40	3.44
27	3.15	3.30	3.09	3.37	3.24	3.25	3.08	2.97	3.46	3.36	3.48	3.44
28	3.15	3.29	3.09	3.37	3.24	3.23	3.06	2.98	3.41	3.36	3.42	3.45
29	3.15	3.27	3.08	3.37	---	3.23	3.05	2.99	3.38	3.35	3.44	3.44
30	3.14	3.26	3.07	3.37	---	3.22	3.05	3.00	3.36	3.36	3.53	3.43
31	3.13	---	3.07	3.38	---	3.21	---	3.05	---	3.39	3.54	---
TOTAL	100.73	95.70	97.61	100.04	92.41	101.54	94.63	94.02	96.49	109.14	107.50	104.87
MEAN	3.25	3.19	3.15	3.23	3.30	3.28	3.15	3.03	3.22	3.52	3.47	3.50
MAX	3.44	3.35	3.27	3.38	3.38	3.59	3.28	3.11	3.46	3.81	3.86	3.70
MIN	3.13	3.09	3.07	3.05	3.24	3.14	3.05	2.97	2.96	3.35	3.33	3.40

02293240 ARIES CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	4.8	5.5	2.5	14	7.7	7.7	1.9	1.4	34	22	21
2	18	4.8	5.9	3.0	13	7.7	7.7	1.7	1.4	53	21	16
3	23	4.8	6.2	2.4	11	7.6	8.0	1.5	1.4	39	21	13
4	25	4.4	6.2	1.9	11	7.3	8.4	1.5	1.3	28	20	11
5	20	4.2	5.7	1.9	11	7.7	7.2	1.4	.94	29	16	11
6	14	3.9	5.5	1.9	9.2	7.7	7.7	1.4	.94	42	13	11
7	12	3.6	5.5	1.9	8.4	7.7	7.7	1.2	.75	86	10	20
8	9.4	3.0	5.5	2.5	7.6	7.7	8.7	1.6	.35	78	7.7	55
9	6.9	3.0	4.9	6.9	6.9	7.9	7.7	2.6	.59	71	7.4	26
10	6.9	3.5	4.0	7.7	6.9	8.4	7.5	2.0	.54	66	46	17
11	6.9	3.9	4.2	7.7	6.9	8.3	7.4	1.4	.47	57	90	14
12	6.9	4.9	4.2	8.0	6.9	7.7	7.1	1.4	.43	57	93	22
13	7.5	4.8	4.0	8.4	6.9	56	7.3	1.4	2.7	56	71	29
14	7.7	4.8	4.2	8.1	6.9	24	6.2	1.3	6.9	58	52	29
15	7.7	4.4	4.2	7.7	6.9	12	5.6	.94	6.8	65	37	28
16	7.7	4.2	4.2	7.2	7.3	10	6.0	1.1	27	60	34	21
17	8.0	4.2	3.9	6.9	7.7	14	6.2	1.1	23	58	33	17
18	7.7	4.2	4.2	6.9	7.7	15	5.6	1.2	14	50	25	15
19	7.7	4.5	4.2	6.9	7.7	8.0	5.2	1.6	8.6	40	18	15
20	7.6	5.5	4.2	6.9	7.7	6.9	4.8	1.8	17	40	14	16
21	6.9	5.5	4.5	6.9	7.7	6.9	4.8	1.4	20	38	11	16
22	6.9	5.5	4.8	6.9	7.7	7.4	4.5	1.0	14	28	9.1	17
23	6.9	6.0	4.8	7.2	7.7	7.7	4.2	.54	11	22	8.6	14
24	6.2	9.4	4.8	7.7	7.7	7.7	3.6	.54	13	18	8.4	13
25	6.2	7.5	4.5	7.7	7.7	7.7	3.2	.54	12	15	8.4	12
26	6.2	6.7	4.2	7.5	7.7	7.7	3.0	.52	19	14	16	12
27	5.5	6.2	4.1	13	7.7	7.7	3.0	.21	30	12	22	12
28	5.5	6.2	4.2	13	7.7	7.7	2.6	.33	20	11	11	12
29	5.5	6.0	3.6	13	---	7.7	2.3	.54	15	10	15	12
30	5.5	5.5	3.0	13	---	7.7	1.9	.85	12	11	29	11
31	5.0	---	2.7	15	---	7.7	---	1.4	---	17	29	---
TOTAL	295.9	149.9	141.6	218.2	233.2	322.9	172.8	37.91	282.51	1263	818.6	538
MEAN	9.55	5.00	4.57	7.04	8.33	10.4	5.76	1.22	9.42	40.7	26.4	17.9
MAX	25	9.4	6.2	15	14	56	8.7	2.6	30	86	93	55
MIN	5.0	3.0	2.7	1.9	6.9	6.9	1.9	.21	.35	10	7.4	11
AC-FT	587	297	281	433	463	640	343	75	560	2510	1620	1070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1993, BY WATER YEAR (WY)

MEAN	15.7	3.54	1.97	7.18	5.50	6.29	4.48	2.52	23.4	33.0	30.5	29.3
MAX	33.2	5.85	4.57	18.2	8.33	10.4	8.56	7.27	60.0	45.2	41.3	43.9
(WY)	1992	1992	1993	1991	1993	1993	1992	1991	1992	1991	1992	1991
MIN	6.75	.79	.40	1.25	.80	.54	.097	.34	7.68	11.4	16.6	17.9
(WY)	1990	1990	1991	1990	1990	1990	1990	1990	1990	1990	1990	1993

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1990 - 1993	
ANNUAL TOTAL	6588.61		4474.52			
ANNUAL MEAN	18.0		12.3		13.7	
HIGHEST ANNUAL MEAN					19.8	1992
LOWEST ANNUAL MEAN					5.73	1990
HIGHEST DAILY MEAN	359	Jun 26	93	Aug 12	359	Jun 26 1992
LOWEST DAILY MEAN	.08	Mar 18	.21	May 27	.00	Nov 30 1989
ANNUAL SEVEN-DAY MINIMUM	.21	May 21	.46	May 23	.00	Nov 30 1989
INSTANTANEOUS PEAK FLOW			128	Aug 10	654	Jun 28 1992
INSTANTANEOUS PEAK STAGE			4.08	Aug 10	6.36	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	Jun 8	.00	Nov 30 1989
ANNUAL RUNOFF (AC-FT)	13070		8880		9900	
10 PERCENT EXCEEDS	42		28		37	
50 PERCENT EXCEEDS	6.2		7.7		6.9	
90 PERCENT EXCEEDS	1.2		1.6		.21	

02293241 SAN CARLOS CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°36'11", long 81°57'54", in NE1/4 sec.36, T.44 S., R.23 E., Lee County, Hydrologic Unit 03090205, near right bank on upstream side of wingwall of bridge on SE 26th Terrace, 300 ft west of Retunda Parkway and 3.35 mi upstream of Caloosahatchee River.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department bench mark.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293241
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.29	5.17	5.12	5.10	5.25	5.26	5.22	5.17	5.13	4.92	5.37	5.44
2	5.28	5.16	5.12	5.11	5.23	5.25	5.22	5.18	5.13	5.71	5.34	5.42
3	5.30	5.16	5.12	5.11	5.21	5.25	5.20	5.17	5.13	5.61	5.33	5.39
4	5.31	5.15	5.11	5.10	5.19	5.28	5.19	5.17	5.13	5.47	5.32	5.37
5	5.30	5.15	5.12	5.11	5.18	5.26	5.28	5.17	5.13	5.44	5.30	5.36
6	5.28	5.15	5.12	5.11	5.18	5.25	5.27	5.17	5.13	5.39	5.29	5.39
7	5.26	5.14	5.11	5.12	5.19	5.24	5.26	5.18	5.12	5.70	5.27	5.48
8	5.25	5.13	5.12	5.14	5.19	5.25	5.25	5.18	5.12	5.87	5.25	5.94
9	5.25	5.13	5.13	5.33	5.18	5.26	5.24	5.21	5.11	5.64	5.24	5.71
10	5.24	5.14	5.16	5.28	5.17	e5.25	5.25	5.19	5.11	5.67	5.36	5.59
11	5.24	5.15	5.18	5.24	5.17	e5.25	5.24	5.17	5.11	5.56	5.64	5.52
12	5.23	5.17	5.16	5.22	5.35	e5.23	5.23	5.17	5.10	5.63	5.88	5.59
13	5.22	5.18	5.15	5.21	5.28	e5.60	5.22	5.16	5.12	5.63	5.77	5.73
14	5.21	5.17	5.14	5.21	5.24	e5.46	5.21	5.16	5.27	5.55	5.58	5.70
15	5.20	5.15	5.14	5.19	5.22	e5.42	5.21	5.15	5.31	5.48	5.48	5.71
16	5.20	5.13	5.13	5.23	5.21	e5.38	5.29	5.14	5.48	5.43	5.47	5.61
17	5.19	5.12	5.13	5.21	5.20	e5.38	5.26	5.13	5.79	5.39	5.48	5.56
18	5.19	5.11	5.13	5.19	5.20	e5.48	5.24	5.12	5.63	5.36	5.44	5.54
19	5.19	5.10	5.13	5.18	5.18	5.35	5.22	5.12	5.23	5.35	5.41	5.51
20	5.18	5.10	5.13	5.17	5.17	5.33	5.21	5.13	5.01	5.35	5.40	5.51
21	5.18	5.10	5.13	5.17	5.18	5.32	5.21	5.11	4.95	5.32	5.35	5.53
22	5.18	5.11	5.13	5.17	5.22	5.30	5.22	5.09	4.83	5.30	5.32	5.60
23	5.18	5.12	5.12	5.17	5.36	5.29	5.20	5.08	4.76	5.28	5.30	5.56
24	5.17	5.19	5.12	5.17	5.29	5.28	5.20	5.07	4.78	5.26	5.28	5.52
25	5.17	5.17	5.11	5.19	5.24	5.28	5.20	5.06	4.72	5.26	5.26	5.51
26	5.17	5.16	5.11	5.30	5.27	5.27	5.20	5.05	4.68	5.25	5.33	5.51
27	5.18	5.16	5.11	5.33	5.32	5.26	5.20	5.05	4.77	5.25	5.46	5.52
28	5.19	5.14	5.11	5.29	5.29	5.26	5.19	5.05	4.75	5.25	5.42	5.57
29	5.18	5.13	5.11	5.28	---	5.24	5.18	5.06	4.70	5.26	5.43	5.69
30	5.18	5.13	5.10	5.27	---	5.23	5.17	5.08	4.66	5.30	5.46	5.62
31	5.17	---	5.09	5.26	---	5.22	---	5.12	---	5.35	5.47	---
TOTAL	161.76	154.27	158.89	161.16	146.36	164.38	156.68	159.06	151.89	168.23	167.70	166.70
MEAN	5.22	5.14	5.13	5.20	5.23	5.30	5.22	5.13	5.06	5.43	5.41	5.56
MAX	5.31	5.19	5.18	5.33	5.36	5.60	5.29	5.21	5.79	5.87	5.88	5.94
MIN	5.17	5.10	5.09	5.10	5.17	5.22	5.17	5.05	4.66	4.92	5.24	5.36

e Estimated

02293241 SAN CARLOS CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	.58	1.5	1.1	3.8	2.0	1.1	.35	.05	6.4	5.0	4.9
2	4.8	.42	1.4	1.2	3.2	1.7	1.1	.40	.05	27	4.2	3.8
3	5.3	.36	1.4	1.2	2.5	1.6	.80	.36	.05	20	3.8	2.9
4	5.8	.25	1.3	1.1	2.2	2.4	.65	.29	.03	12	3.4	2.2
5	5.4	.17	1.4	1.2	1.9	2.0	3.0	.35	.05	11	2.9	1.9
6	4.7	.17	1.5	1.3	1.7	1.6	2.4	.38	.04	9.0	2.7	2.5
7	4.1	.12	1.3	1.5	2.2	1.5	1.9	.41	.00	26	2.2	11
8	3.9	.07	1.4	.83	2.0	1.6	1.6	.53	.00	39	1.6	45
9	3.7	.04	1.7	6.5	1.6	1.9	1.5	.82	.00	20	1.4	25
10	3.5	.09	2.4	4.7	1.3	e1.7	1.6	.60	.00	22	7.1	12
11	3.4	.28	2.8	3.5	1.2	e1.7	1.4	.33	.00	13	20	6.4
12	3.2	.67	2.3	2.9	7.2	e1.3	1.2	.30	.00	18	39	15
13	2.7	.88	2.1	2.6	4.8	e20	1.1	.26	.38	18	31	28
14	2.2	.52	2.0	2.2	3.5	e12	.92	.24	2.3	13	18	24
15	1.9	.14	1.9	1.6	2.9	e10	.89	.15	4.3	9.2	13	26
16	1.7	.05	1.8	3.0	2.6	e8.5	3.0	.10	14	7.4	13	15
17	1.5	.01	1.7	2.3	2.4	e8.5	1.9	.05	33	5.8	13	8.8
18	1.5	.00	1.7	1.4	2.3	e13	1.4	.00	22	4.7	11	7.5
19	1.2	.00	1.7	.94	1.6	7.4	1.1	.00	2.3	4.4	8.5	6.0
20	.89	.00	1.7	.73	1.3	5.5	.93	.03	.00	4.3	6.7	5.9
21	.77	.00	1.7	.56	1.5	4.8	.94	.00	.00	3.4	3.4	8.2
22	.77	.00	1.7	.56	3.1	3.6	1.0	.00	.00	2.8	2.4	13
23	.76	.30	1.5	.59	7.3	3.2	.81	.00	.00	2.4	1.8	8.9
24	.62	2.9	1.5	.55	3.4	2.8	.74	.00	.00	2.0	1.4	6.2
25	.61	2.7	1.3	1.5	1.5	2.5	.74	.00	.00	1.9	.98	5.7
26	.68	2.4	1.3	5.4	3.3	2.2	.73	.00	.00	1.7	4.0	5.9
27	.85	2.3	1.2	6.6	4.9	2.0	.81	.00	.00	1.7	7.4	6.3
28	1.3	2.0	1.3	5.1	2.9	1.8	.66	.00	.00	1.6	4.6	10
29	1.2	1.7	1.2	4.7	---	1.4	.41	.00	.00	2.0	4.7	22
30	.83	1.7	1.1	4.5	---	1.2	.34	.00	.00	2.9	6.1	15
31	.69	---	.97	4.2	---	1.0	---	.02	---	4.5	6.0	---
TOTAL	75.47	20.82	49.77	76.06	80.1	132.4	36.67	5.97	78.55	317.1	250.28	355.0
MEAN	2.43	.69	1.61	2.45	2.86	4.27	1.22	.19	2.62	10.2	8.07	11.8
MAX	5.8	2.9	2.8	6.6	7.3	20	3.0	.82	33	39	39	45
MIN	.61	.00	.97	.55	1.2	1.0	.34	.00	.00	1.6	.98	1.9
AC-FT	150	41	99	151	159	263	73	12	156	629	496	704

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	5.25	1.39	.98	2.13	1.64	1.99	.87	.48	4.95	9.02	8.80	8.61
MAX	9.76	3.18	1.83	7.10	3.45	4.27	2.03	2.13	17.5	13.9	11.2	12.7
(WY)	1988	1988	1990	1991	1987	1993	1987	1987	1992	1992	1992	1992
MIN	1.57	.34	.000	.041	.093	.085	.000	.000	.066	3.60	6.32	2.39
(WY)	1989	1991	1991	1992	1990	1990	1990	1988	1988	1988	1989	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	2028.27		1478.19			
ANNUAL MEAN	5.54		4.05		3.85	
HIGHEST ANNUAL MEAN					5.94	1992
LOWEST ANNUAL MEAN					2.65	1990
HIGHEST DAILY MEAN	128	Jun 28	45	Sep 8	128	Jun 28 1992
LOWEST DAILY MEAN	.00	Jan 1	.00	Nov 18	.00	Dec 14 1986
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	May 21	.00	Dec 14 1986
INSTANTANEOUS PEAK FLOW			62	Sep 7	260	Jun 28 1992
INSTANTANEOUS PEAK STAGE			6.14	Sep 7	7.58	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	Nov 9	.00	Dec 14 1986
ANNUAL RUNOFF (AC-FT)	4020		2930		2790	
10 PERCENT EXCEEDS	15		11		9.6	
50 PERCENT EXCEEDS	1.8		1.7		1.7	
90 PERCENT EXCEEDS	.00		.03		.00	

e Estimated

02293243 COURTNEY CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°34'39", long 81°59'08", in SW1/4 sec.2, T.45 S., R.23 E., Lee County, Hydrologic Unit 03090205, near left bank on upstream side of wing wall of bridge at Mohawk Parkway, 200 ft west of 5th Avenue, and 5 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department bench mark.

REMARKS.--Records fair, except for estimated discharges which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293243
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	4.26	4.33	4.26	4.47	4.47	4.36	3.88	3.45	4.65	4.53	4.54
2	4.52	4.25	4.32	4.26	4.47	4.45	4.36	3.89	3.45	4.75	4.53	4.53
3	4.52	4.25	4.33	4.25	4.45	4.43	4.34	3.90	3.44	4.69	4.52	4.51
4	4.53	4.24	4.29	4.25	4.44	4.46	4.31	3.90	3.42	4.66	4.51	4.48
5	4.52	4.25	4.26	4.25	4.43	4.44	4.39	3.89	3.41	4.69	4.49	4.47
6	4.50	4.26	4.25	4.26	4.41	4.42	e4.39	3.86	3.40	4.72	4.46	e4.52
7	4.48	4.25	4.25	4.27	4.42	4.39	e4.38	3.82	3.38	4.98	4.43	e4.63
8	4.46	4.24	4.25	4.29	4.41	4.37	e4.38	3.82	3.36	4.91	4.40	e4.86
9	4.46	4.24	4.25	4.48	4.40	4.36	4.25	3.85	3.34	4.79	4.37	e4.71
10	4.45	4.25	4.29	4.48	4.39	4.32	4.16	3.83	3.34	4.80	4.52	e4.64
11	4.43	4.28	4.34	4.48	4.40	4.30	4.14	3.81	3.31	4.77	4.79	e4.62
12	4.42	4.33	4.34	4.47	4.55	4.27	4.11	3.75	3.29	4.71	4.92	e4.70
13	4.40	4.35	4.32	4.46	4.53	4.64	4.08	3.69	3.31	4.68	4.85	e4.73
14	4.38	4.36	4.32	4.46	4.51	4.60	4.05	3.67	3.52	4.67	4.73	e4.78
15	4.37	4.33	4.32	4.45	4.49	4.56	4.02	3.65	3.65	4.70	4.66	e4.71
16	4.36	4.32	4.31	4.48	4.47	4.52	4.11	3.63	3.87	4.65	4.64	e4.67
17	4.37	4.33	4.30	4.47	4.46	4.52	4.12	3.62	4.30	4.65	4.62	e4.60
18	4.37	4.33	4.29	4.46	4.47	4.56	4.13	3.59	4.43	4.61	4.59	4.56
19	4.36	4.30	4.29	4.46	4.45	4.54	4.13	3.57	4.47	4.58	4.55	4.53
20	4.31	4.27	4.29	4.45	4.43	4.51	4.11	3.57	4.50	4.55	4.54	4.56
21	4.30	4.24	4.29	4.43	4.42	4.49	4.09	3.55	4.58	4.51	4.51	4.57
22	4.29	4.24	4.29	4.42	4.47	4.47	4.07	3.53	4.56	4.48	4.49	4.60
23	4.29	4.28	4.29	4.42	4.55	4.46	4.02	3.49	4.55	4.46	4.47	4.56
24	4.30	4.36	4.29	4.41	4.46	4.45	3.98	3.47	4.57	4.44	4.45	4.55
25	4.31	4.36	4.27	4.42	4.44	4.45	3.96	3.44	4.55	4.43	4.43	4.52
26	4.31	4.33	4.27	4.51	4.46	4.43	3.94	3.43	4.56	4.43	4.50	4.51
27	4.29	4.32	4.28	4.55	4.52	4.41	3.93	3.40	4.61	4.43	4.53	4.51
28	4.29	4.30	4.30	4.51	4.49	4.40	3.90	3.39	4.58	4.40	4.48	4.52
29	4.28	4.30	4.29	4.51	---	4.39	3.88	3.38	4.55	4.39	4.50	4.55
30	4.27	4.31	4.27	4.50	---	4.37	3.88	3.38	4.53	4.41	4.57	4.53
31	4.27	---	4.26	4.48	---	4.35	---	3.43	---	4.45	4.57	---
TOTAL	135.93	128.73	133.04	136.85	124.86	137.80	123.97	113.08	118.28	143.04	141.15	137.77
MEAN	4.38	4.29	4.29	4.41	4.46	4.45	4.13	3.65	3.94	4.61	4.55	4.59
MAX	4.53	4.36	4.34	4.55	4.55	4.64	4.39	3.90	4.61	4.98	4.92	4.86
MIN	4.27	4.24	4.25	4.25	4.39	4.27	3.88	3.38	3.29	4.39	4.37	4.47

e Estimated

02293243 COURTNEY CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	.00	.00	.00	5.1	5.2	.25	.00	.00	16	8.4	8.7
2	7.4	.00	.00	.00	4.8	4.3	.23	.00	.00	22	8.3	8.1
3	7.6	.00	.00	.00	4.1	3.3	.00	.00	.00	18	7.8	7.0
4	8.0	.00	.00	.00	3.6	4.4	.00	.00	.00	16	7.2	5.7
5	7.9	.00	.00	.00	3.2	3.7	1.4	.00	.00	17	5.9	5.0
6	6.8	.00	.00	.00	2.1	2.3	e1.1	.00	.00	20	4.6	e7.7
7	5.5	.00	.00	.00	2.6	1.1	e.95	.00	.00	38	2.9	e14
8	4.6	.00	.00	.89	1.9	.62	e.80	.00	.00	33	1.5	e29
9	4.5	.00	.00	4.0	1.5	.22	.20	.00	.00	24	.64	e19
10	4.0	.00	.00	3.4	1.3	.01	.00	.00	.00	25	9.8	e15
11	3.4	.00	.05	3.5	1.4	.01	.00	.00	.00	23	25	e13
12	2.6	.00	.03	3.1	9.2	.00	.00	.00	.00	19	34	e18
13	1.4	.12	.00	2.3	8.0	16	.00	.00	.00	17	28	e20
14	.76	.19	.00	2.5	7.0	12	.00	.00	.00	16	20	e24
15	.38	.01	.00	2.2	6.1	9.7	.00	.00	.00	18	16	e19
16	.31	.00	.00	3.8	5.0	7.8	.00	.00	.00	15	14	e16
17	.46	.00	.00	2.9	4.7	8.0	.00	.00	.03	15	13	e12
18	.48	.00	.00	2.2	4.9	9.7	.00	.00	3.1	13	12	10
19	.22	.00	.00	2.4	4.0	8.7	.00	.00	5.2	11	9.4	8.3
20	.00	.00	.00	1.9	3.4	7.0	.00	.00	6.7	9.2	8.9	10
21	.00	.00	.00	1.2	2.5	6.2	.00	.00	11	7.2	7.3	11
22	.00	.00	.00	.96	5.1	5.2	.00	.00	9.8	5.7	6.3	12
23	.00	.12	.00	.79	9.4	4.6	.00	.00	9.4	4.7	5.0	10
24	.00	.30	.00	.57	4.8	4.1	.00	.00	10	3.7	4.2	9.4
25	.00	.28	.00	1.2	3.4	4.0	.00	.00	9.6	3.3	3.4	7.9
26	.00	.03	.00	6.2	4.4	3.1	.00	.00	10	3.4	6.7	7.2
27	.00	.00	.00	9.3	7.5	2.1	.00	.00	13	3.0	8.0	6.9
28	.00	.00	.00	7.2	6.2	1.6	.00	.00	11	1.6	5.7	7.7
29	.00	.00	.00	6.9	---	.98	.00	.00	9.2	1.2	6.6	9.5
30	.00	.00	.00	6.6	---	.57	.00	.00	8.2	1.8	10	8.1
31	.00	---	.00	5.8	---	.19	---	.00	---	4.2	10	---
TOTAL	74.01	1.05	0.08	81.81	127.2	136.70	4.93	0.00	116.23	425.0	310.54	359.2
MEAN	2.39	.035	.003	2.64	4.54	4.41	.16	.000	3.87	13.7	10.0	12.0
MAX	8.0	.30	.05	9.3	9.4	16	1.4	.00	13	38	34	29
MIN	.00	.00	.00	.00	1.3	.00	.00	.00	.00	1.2	.64	5.0
AC-FT	147	2.1	.2	162	252	271	9.8	.00	231	843	616	712

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	6.60	.51	.039	2.26	1.31	2.33	.66	.69	8.48	15.8	15.1	11.8
MAX	13.6	3.02	.27	8.89	4.54	8.34	3.61	2.64	22.1	24.1	20.3	24.9
(WY)	1988	1988	1987	1991	1993	1987	1987	1991	1992	1987	1990	1989
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.67	10.0	4.02
(WY)	1989	1989	1988	1989	1988	1989	1988	1988	1988	1988	1993	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	2167.17		1636.75			
ANNUAL MEAN	5.92		4.48		5.25	
HIGHEST ANNUAL MEAN					6.62	1992
LOWEST ANNUAL MEAN					3.51	1988
HIGHEST DAILY MEAN	133	Jun 28	38	Jul 7	133	Jun 28 1992
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 20	.00	Nov 18 1986
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 20	.00	Nov 18 1986
INSTANTANEOUS PEAK FLOW			52	Jul 7	134	Jun 28 1992
INSTANTANEOUS PEAK STAGE			5.16	Jul 7	5.84	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	Oct 19	.00	Nov 18 1986
ANNUAL RUNOFF (AC-FT)	4300		3250		3800	
10 PERCENT EXCEEDS	18		13		19	
50 PERCENT EXCEEDS	.00		1.4		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

02293280 MATLACHA PASS AT PARROTS PERCH NEAR ST. JAMES CITY, FL

LOCATION.--Lat 26°32'47", long 82°04'55", in NE1/4 sec.23, T.45 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Pine Island Center quadrangle), at private dock on Tropical Point Drive, 0.5 mi east of State Road 767 (Stringfellow Road), 1.5 mi west of Reckems Point, and 3.7 mi north of St. James City.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--August 1989 to current year (gage heights).

GAGE.--Digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--The stage record published is the maximum and minimum tidal event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.35 ft Mar. 13, 1993; minimum, -1.70 ft Dec. 24, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.35 ft Mar. 13; minimum, -1.42 ft Mar. 15.

STATION NUMBER 02293280
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY TIDAL HIGH (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.33	1.12	.94	.67	1.59	1.29	1.98	1.68	1.42	2.08	1.96	2.25
2	1.37	1.28	1.26	.66	1.41	1.88	1.14	1.91	1.49	1.92	2.49	2.24
3	2.24	1.19	1.23	.75	1.70	2.70	1.18	2.17	1.42	2.00	1.91	2.27
4	2.60	1.25	1.30	1.22	2.17	2.02	1.83	1.86	1.47	1.94	2.52	2.64
5	2.17	1.25	1.29	1.23	2.43	1.57	1.97	1.82	1.45	1.78	2.48	2.46
6	1.52	1.06	1.43	1.24	2.53	1.56	1.78	1.74	1.26	1.66	2.24	2.40
7	1.36	.82	1.51	2.09	2.68	1.67	1.74	1.88	1.05	1.59	2.20	2.29
8	1.55	.62	1.54	2.24	2.38	1.63	2.05	1.74	1.07	1.79	2.22	2.51
9	1.58	.46	1.53	2.14	1.82	1.38	2.61	1.66	.90	1.69	2.22	---
10	1.48	.63	1.59	2.11	1.65	1.65	1.90	1.49	.73	1.70	2.41	---
11	1.61	.97	1.52	1.89	2.05	1.68	1.63	1.32	.83	1.98	1.97	---
12	1.66	1.31	1.08	1.65	1.87	1.99	1.65	1.39	.96	2.13	2.27	---
13	1.55	1.92	1.15	1.67	1.21	3.35	1.58	1.25	1.12	2.11	2.33	---
14	1.42	1.31	.79	1.55	1.40	.15	1.90	1.18	1.15	2.21	2.21	---
15	1.42	.59	.79	1.91	1.71	.22	2.08	1.14	1.31	2.34	2.26	---
16	1.51	.38	.99	1.78	1.72	.99	1.79	1.20	1.28	2.45	2.32	---
17	1.55	.93	1.04	1.50	1.65	1.45	1.20	1.10	1.35	2.55	2.28	---
18	1.56	1.22	1.04	1.66	1.52	1.05	1.19	1.49	1.54	2.38	2.38	2.61
19	1.26	1.40	1.08	1.71	1.02	.34	1.46	1.65	1.76	2.42	2.56	2.67
20	1.05	1.86	1.08	1.83	1.52	.92	1.89	1.78	1.68	2.24	2.21	2.47
21	1.18	2.04	.97	1.98	1.92	1.00	2.01	1.69	1.83	2.34	2.27	2.04
22	1.17	2.08	1.05	2.03	1.89	1.11	1.52	1.45	1.71	2.18	2.10	1.78
23	1.48	2.05	1.16	1.89	1.63	1.38	1.62	1.56	1.69	1.97	1.95	1.66
24	1.77	2.04	1.03	1.77	.87	1.30	1.92	1.86	1.26	2.01	2.09	1.64
25	1.98	1.95	.77	1.78	1.52	1.44	2.08	1.71	1.44	1.99	2.01	1.68
26	2.03	1.90	1.13	1.60	2.11	1.70	1.79	1.33	1.55	1.99	2.35	1.99
27	1.83	1.96	1.11	.52	1.07	1.62	1.72	1.14	1.70	2.15	2.02	2.20
28	1.98	1.07	.89	1.21	.94	1.35	1.43	1.05	1.73	2.07	2.26	2.20
29	1.63	.99	.63	1.40	---	1.54	1.62	1.28	1.83	2.79	2.17	1.85
30	1.43	.80	.43	1.27	---	1.43	1.52	1.51	1.97	2.27	1.96	2.21
31	1.43	---	.61	1.79	---	1.65	---	1.51	---	2.02	1.94	---
TOTAL	49.70	38.45	33.96	48.74	47.98	45.01	51.78	47.54	41.95	64.74	68.56	---
MEAN	1.60	1.28	1.10	1.57	1.71	1.45	1.73	1.53	1.40	2.09	2.21	---
MAX	2.60	2.08	1.59	2.24	2.68	3.35	2.61	2.17	1.97	2.79	2.56	---
MIN	1.05	.38	.43	.52	.87	.15	1.14	1.05	.73	1.59	1.91	---

02293280 MATLACHA PASS AT PARROTS PERCH NR ST JAMES CITY, FL

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY TIDAL LOW (DAILY) VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	.89	.63	.50	-.18	-.90	-.36	.01	-.97	-.47	.51	.01
2	.90	1.10	.78	.45	-.38	-.48	-.11	.05	-1.08	-.57	.19	.17
3	1.38	1.04	.60	.44	-1.14	.18	-.82	-.22	-1.22	-.39	.19	.26
4	2.18	1.00	.56	.54	-.66	.45	-.71	-.56	-1.16	-.37	.34	.48
5	1.52	1.00	.77	1.08	-.43	-.48	-.15	-.72	-1.25	-.31	.52	.35
6	1.15	.78	.59	.88	-.15	-.66	-.64	-.90	-1.18	-.34	.27	.31
7	1.08	.54	.79	.66	.10	-.71	-.69	-.82	-1.17	-.24	.20	.37
8	1.24	.27	.89	-.49	-.19	-.67	-.32	-.89	-.90	.09	.21	.65
9	1.34	.20	.83	-.49	-.18	-.85	.06	-.80	-.82	.30	.37	.38
10	1.19	.29	1.01	-.57	-.19	-.63	-.30	-.77	-.59	.29	.17	---
11	1.35	.49	.62	-.55	-.19	-.57	-.36	-.43	-.38	.43	.48	---
12	1.29	.86	.50	-.24	.19	-.44	-.40	-.06	-.42	.43	.23	---
13	1.15	1.16	.59	-.15	-.27	.13	-.26	.03	-.46	.13	.26	---
14	1.00	.54	.58	-.01	-.42	-.90	.00	-.08	-.53	.00	.14	---
15	1.08	.18	.63	-.35	-.62	-1.42	.58	-.08	-.60	.22	.42	---
16	1.17	.08	.74	.03	-.02	-1.38	.49	-.37	-.75	.00	.18	---
17	1.23	.21	.86	-.48	-.36	-.73	-.14	-.61	-.83	-.05	.46	.85
18	1.25	.82	.86	-.67	-.57	-.32	-.35	-.58	-1.05	.02	.42	.24
19	.93	1.01	.81	-.73	-.92	-1.05	-.11	-.50	-.90	-.15	.64	.34
20	.88	1.12	.80	-.74	-.51	-1.00	.01	-.56	-.78	-.13	.59	.30
21	.91	1.48	.58	-.50	.05	-.50	-.13	-.83	-.82	.03	.57	.56
22	1.00	1.62	.70	-.39	.03	-.53	-.92	-1.15	-.57	.19	.48	.24
23	.93	1.43	.75	-.46	-.60	-.41	-.55	-.82	-.57	.30	.28	-.22
24	1.28	1.39	.66	-.20	-.82	-.61	-.38	-.59	-.63	.29	.36	.11
25	1.63	1.23	.49	-.22	-.60	-.57	-.31	-.68	-.42	.25	.55	-.16
26	1.48	1.13	.74	-.01	-.02	-.44	-.33	-.78	-.22	.08	.36	.00
27	1.35	.87	.81	-.73	-.57	-.39	-.42	-.81	-.36	.29	.50	.26
28	1.32	.51	.63	-.61	-.65	-.56	-.50	-.60	-.47	.08	.44	.92
29	1.15	.50	.43	-.10	---	-.61	-.72	-.27	-.67	.20	.37	.27
30	1.02	.47	.28	-.10	---	-.45	-.29	-.41	-.64	.22	.09	.21
31	1.01	---	.29	-.36	---	-.41	---	-.64	---	.34	.09	---
TOTAL	37.29	24.21	20.80	-4.57	-10.27	-17.91	-9.13	-16.44	-22.41	1.16	10.88	---
MEAN	1.20	.81	.67	-.15	-.37	-.58	-.30	-.53	-.75	.04	.35	---
MAX	2.18	1.62	1.01	1.08	.19	.45	.58	.05	-.22	.43	.64	---
MIN	.88	.08	.28	-.74	-1.14	-1.42	-.92	-1.15	-1.25	-.57	.09	---

02293340 CHARLOTTE HARBOR AT BOKEELIA, FL

LOCATION.--Lat 26°42'25", long 82°09'50", in NE1/4 sec.25, T.44 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Bokeelia quadrangle), on private dock on north shore of Pine Island and 0.3 mi northwest of Bokeelia.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--August 1983 to August 1984, August 1989 to current year (gage heights). Discontinued.

GAGE.--Digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Operated as tidal stage and continuous specific conductance from August 1983 to August 1984. Reestablished August 17, 1989. Records prior to October 1989 are available in files of the Geological Survey. The stage published is the maximum and minimum tidal event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.11 ft Mar. 13, 1993; minimum, -2.11 ft Dec. 24, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.11 ft Mar. 13; minimum, -1.88 ft Aug. 24.

STATION NUMBER 02293340
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.66	---	.32	.53	.02	---	---	---	---	---	---
2	1.08	.67	---	.14	.37	.57	---	---	---	---	---	---
3	2.05	.89	---	.22	.02	1.24	---	---	---	---	---	---
4	2.05	.70	---	.54	.54	.89	---	---	---	---	---	---
5	1.13	---	---	.65	.71	.29	---	---	---	---	---	---
6	.70	---	---	.50	.94	.19	---	---	---	---	---	---
7	.92	-.02	---	.48	1.11	.18	---	---	---	---	---	---
8	1.21	---	---	.76	.81	.14	---	---	---	---	---	---
9	1.09	---	.46	.64	.53	.14	---	---	---	---	---	---
10	1.04	---	.72	.50	.52	.30	---	---	---	---	---	---
11	1.13	---	.45	.47	.80	.35	---	---	---	---	---	---
12	.95	.48	.17	.59	.89	.56	---	---	---	---	---	---
13	.83	-.06	.28	.57	.38	---	---	---	---	---	---	---
14	.59	.68	.32	.44	.24	---	---	---	---	---	---	---
15	1.00	---	.52	.52	.36	---	---	---	---	---	---	---
16	1.27	---	.72	.72	.79	---	---	---	---	---	---	---
17	.70	---	.72	.33	.48	---	---	---	---	---	---	---
18	.56	---	.63	.39	.19	---	---	---	---	---	---	---
19	.73	---	.65	.38	.01	---	---	---	---	---	---	---
20	---	---	.45	.38	.34	---	---	---	---	---	---	---
21	---	---	.31	.57	.82	---	---	---	---	---	---	---
22	---	-.16	.42	.62	.86	---	---	---	---	---	---	---
23	---	-.14	.36	.49	.19	---	---	---	---	---	---	---
24	---	-.32	.25	.75	---	---	---	---	---	---	---	---
25	---	---	.22	.56	---	---	---	---	---	---	---	---
26	---	---	.53	.60	---	---	---	---	---	---	---	---
27	1.30	---	.48	-.05	.09	---	---	---	---	---	---	---
28	1.27	---	.26	.03	-.09	---	---	---	---	---	---	---
29	.90	---	-.02	.39	---	---	---	---	---	---	---	---
30	1.04	---	-.07	.33	---	---	---	---	---	---	---	---
31	.98	---	.21	.55	---	---	---	---	---	---	---	---
TOTAL	---	---	---	14.38	---	---	---	---	---	---	---	---
MEAN	---	---	---	.46	---	---	---	---	---	---	---	---
MAX	---	---	---	.76	---	---	---	---	---	---	---	---
MIN	---	---	---	-.05	---	---	---	---	---	---	---	---

02293342 MATLACHA PASS AT INDIAN FIELD ISLAND NEAR MATLACHA, FL

LOCATION.--Lat 26°39'35", long 82°06'14", in NW1/4 sec.10, T.44 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Matlacha quadrangle), at private dock on east shore of Indian Field Island and 0.5 mi east of Pine Island.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--March, 1991 to current year. Discontinued.

GAGE.--Digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--August 1989 to March 5, 1991, at site 0.8 mi northeast at Stilt City in Matlacha Pass (263935082052501). The stage published is the maximum and minimum tidal event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 2.66 ft June 26, 1992; minimum, -2.20 ft Apr. 1, 1991.

STATION NUMBER 02293342
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.73	---	---	---	---	---	---	---	---	---	---
2	1.08	.98	---	---	---	---	---	---	---	---	---	---
3	2.04	.87	---	---	---	---	---	---	---	---	---	---
4	2.19	.81	---	---	---	---	---	---	---	---	---	---
5	1.31	.80	---	---	---	---	---	---	---	---	---	---
6	.83	.56	---	---	---	---	---	---	---	---	---	---
7	1.02	.26	---	---	---	---	---	---	---	---	---	---
8	1.31	-.09	---	---	---	---	---	---	---	---	---	---
9	1.21	.07	---	---	---	---	---	---	---	---	---	---
10	1.14	---	---	---	---	---	---	---	---	---	---	---
11	1.23	---	---	---	---	---	---	---	---	---	---	---
12	1.08	---	---	---	---	---	---	---	---	---	---	---
13	.88	---	---	---	---	---	---	---	---	---	---	---
14	.75	---	---	---	---	---	---	---	---	---	---	---
15	.96	---	---	---	---	---	---	---	---	---	---	---
16	1.09	---	---	---	---	---	---	---	---	---	---	---
17	1.25	---	---	---	---	---	---	---	---	---	---	---
18	1.17	---	---	---	---	---	---	---	---	---	---	---
19	.62	---	---	---	---	---	---	---	---	---	---	---
20	.66	---	---	---	---	---	---	---	---	---	---	---
21	.83	---	---	---	---	---	---	---	---	---	---	---
22	.77	---	---	---	---	---	---	---	---	---	---	---
23	.98	---	---	---	---	---	---	---	---	---	---	---
24	1.30	---	---	---	---	---	---	---	---	---	---	---
25	1.51	---	---	---	---	---	---	---	---	---	---	---
26	1.26	---	---	---	---	---	---	---	---	---	---	---
27	1.08	---	---	---	---	---	---	---	---	---	---	---
28	1.12	---	---	---	---	---	---	---	---	---	---	---
29	1.00	---	---	---	---	---	---	---	---	---	---	---
30	.85	---	---	---	---	---	---	---	---	---	---	---
31	.87	---	---	---	---	---	---	---	---	---	---	---
TOTAL	34.00	---	---	---	---	---	---	---	---	---	---	---
MEAN	1.10	---	---	---	---	---	---	---	---	---	---	---
MAX	2.19	---	---	---	---	---	---	---	---	---	---	---
MIN	.61	---	---	---	---	---	---	---	---	---	---	---

02293343 MATLACHA PASS AT MATLACHA, FL

LOCATION.--Lat 26°37'55", long 82°04'05", in NW1/4 sec.24 T.44 S., R.22 E., Lee County, Hydrologic Unit 03100103, (Pine Island Center Quadrangle), at Pine Island Bridge, at Matlacha.

DRAINAGE AREA.--Indeterminate. Tidal zone.

PERIOD OF RECORD.--August 1989 to current year.

GAGE.--Digital water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Also sampled for water quality. The stage published is the maximum and minimum tide event for each calendar day.

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 3.58 ft Mar. 13, 1993; minimum, -1.87 ft Dec. 24, 1989.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 3.58 ft Mar. 13; minimum, -1.70 ft Nov. 25 and Dec. 20.

STATION NUMBER 02293343
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	.75	.55	.37	.58	.08	---	---	---	---	---	---
2	1.11	1.01	.76	.15	.42	.58	---	---	---	---	---	---
3	2.10	.89	.23	.21	.05	1.21	---	---	---	---	---	---
4	2.21	.84	.51	.56	.58	1.05	---	---	---	---	---	---
5	1.28	.82	.53	.73	.77	.40	---	---	---	---	---	---
6	.80	.54	.49	.59	1.01	.27	---	---	---	---	---	---
7	1.02	.22	.56	.56	1.23	.26	---	---	---	---	---	---
8	1.32	-.13	.58	.83	.98	.25	---	---	---	---	---	---
9	1.21	.03	.55	.71	.60	.26	---	---	---	---	---	---
10	1.13	.10	.80	.59	.59	.38	---	---	---	---	---	---
11	1.24	.56	.63	.54	.81	.43	---	---	---	---	---	---
12	1.06	.90	.35	.64	.98	.57	---	---	---	---	---	---
13	.88	1.02	.37	.61	.46	2.34	---	---	---	---	---	---
14	.75	.26	.37	.48	.32	-.19	---	---	---	---	---	---
15	.95	-.07	.56	.54	.41	---	---	---	---	---	---	---
16	1.09	-.07	.76	.79	.82	---	---	---	---	---	---	---
17	1.25	.41	.75	.39	.54	---	---	---	---	---	---	---
18	1.17	.75	.68	.43	.23	---	---	---	---	---	---	---
19	.60	.86	.69	.42	.09	---	---	---	---	---	---	---
20	.65	.99	.52	.40	.37	---	---	---	---	---	---	---
21	.81	1.28	.38	.61	.84	---	---	---	---	---	---	---
22	.74	1.33	.49	.68	.88	---	---	---	---	---	---	---
23	.97	1.15	.44	.53	.26	---	---	---	---	---	---	---
24	1.30	1.11	.34	.75	-.17	---	---	---	---	---	---	---
25	1.51	1.03	.24	.59	.20	---	---	---	---	---	---	---
26	1.26	.95	.60	.70	1.10	---	---	---	---	---	---	---
27	1.10	.76	.56	.08	.23	---	---	---	---	---	---	---
28	1.11	.29	.35	.05	-.01	---	---	---	---	---	---	---
29	.99	.32	.05	.42	---	---	---	---	---	---	---	---
30	.87	.37	-.02	.36	---	---	---	---	---	---	---	---
31	.87	---	.24	.61	---	---	---	---	---	---	---	---
TOTAL	33.97	19.27	14.91	15.92	15.17	---	---	---	---	---	---	---
MEAN	1.10	.64	.48	.51	.54	---	---	---	---	---	---	---
MAX	2.21	1.33	.80	.83	1.23	---	---	---	---	---	---	---
MIN	.60	-.13	-.02	.05	-.17	---	---	---	---	---	---	---

02293345 SHADROE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°39'05", long 82°02'10", in SW1/4 sec.8 T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), near right bank on downstream side of wingwall of bridge on Embers Parkway, 75 ft west of N.W. 29th Place, 275 ft east of State Road 765 (Burnt Store Road) and 0.3 mi upstream of weir, at Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department Bench Mark.

REMARKS.--Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT)SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293345
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.53	2.47	2.42	2.42	2.48	2.48	2.49	2.46	2.47	2.57	2.58	2.64
2	2.54	2.46	2.42	2.43	2.48	2.48	2.49	2.46	2.46	2.63	2.62	2.61
3	2.56	2.46	2.43	2.42	2.47	2.48	2.48	2.46	2.46	2.65	2.56	2.59
4	2.74	2.46	2.42	2.42	2.47	2.49	2.48	2.46	2.45	2.61	2.55	2.57
5	2.55	2.46	2.42	2.43	2.47	2.48	2.53	2.46	2.44	2.57	2.55	2.56
6	2.50	2.45	2.43	2.43	2.48	2.47	2.50	2.46	2.44	2.56	2.54	2.55
7	2.49	2.44	2.43	2.43	2.48	2.47	2.49	2.46	2.42	2.56	2.53	2.56
8	2.49	2.43	2.43	2.44	2.48	2.47	2.48	2.47	2.42	2.55	2.53	2.57
9	2.49	2.42	2.43	2.53	2.47	2.47	2.48	2.49	2.44	2.57	2.52	2.58
10	2.49	2.43	2.46	2.49	2.47	2.46	2.48	2.47	2.46	2.63	2.52	2.57
11	2.49	2.43	2.46	2.48	2.47	2.46	2.48	2.46	2.45	2.63	2.55	2.60
12	2.49	2.45	2.44	2.47	2.54	2.46	2.47	2.45	2.44	2.61	2.84	2.57
13	2.48	2.45	2.44	2.46	2.50	3.18	2.47	2.45	2.44	2.60	2.69	2.55
14	2.48	2.44	2.44	2.46	2.49	2.67	2.47	2.45	2.45	2.60	2.61	2.55
15	2.49	2.43	2.43	2.46	2.48	2.52	2.47	2.44	2.51	2.61	2.59	2.57
16	2.49	2.42	2.44	2.49	2.48	2.51	2.54	2.43	2.54	2.58	2.57	2.62
17	2.49	2.42	2.44	2.47	2.48	2.52	2.50	2.43	2.52	2.57	2.59	2.59
18	2.49	2.42	2.44	2.47	2.48	2.52	2.49	2.43	2.57	2.56	2.60	2.52
19	2.48	2.42	2.44	2.46	2.47	2.51	2.48	2.43	2.53	2.55	2.57	2.51
20	2.48	2.43	2.44	2.46	2.47	2.50	2.48	2.43	2.51	2.54	2.56	2.51
21	2.47	2.43	2.44	2.46	2.47	2.50	2.48	2.42	2.53	2.53	2.55	2.51
22	2.47	2.43	2.44	2.46	2.47	2.50	2.48	2.40	2.52	2.52	2.54	2.61
23	2.47	2.44	2.44	2.46	2.48	2.50	2.47	2.39	2.51	2.52	2.54	2.58
24	2.47	2.47	2.44	2.46	2.47	2.49	2.47	2.39	2.51	2.52	2.54	2.55
25	2.47	2.46	2.43	2.48	2.46	2.50	2.48	2.38	2.51	2.53	2.53	2.56
26	2.47	2.45	2.43	2.52	2.49	2.49	2.50	2.39	2.65	2.52	2.53	2.55
27	2.47	2.45	2.43	2.51	2.50	2.49	2.49	2.38	2.92	2.52	2.53	2.54
28	2.47	2.44	2.43	2.49	2.49	2.48	2.47	2.38	2.71	2.51	2.53	2.54
29	2.47	2.43	2.43	2.48	---	2.48	2.46	2.40	2.63	2.51	2.53	2.53
30	2.47	2.42	2.42	2.48	---	2.48	2.46	2.47	2.59	2.51	2.53	2.52
31	2.46	---	2.42	2.48	---	2.48	---	2.50	---	2.53	2.57	---
TOTAL	77.40	73.21	75.45	76.40	69.44	77.99	74.51	75.55	75.50	79.47	79.59	76.88
MEAN	2.50	2.44	2.43	2.46	2.48	2.52	2.48	2.44	2.52	2.56	2.57	2.56
MAX	2.74	2.47	2.46	2.53	2.54	3.18	2.54	2.50	2.92	2.65	2.84	2.64
MIN	2.46	2.42	2.42	2.42	2.46	2.46	2.46	2.38	2.42	2.51	2.52	2.51

02293345 SHADROE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	2.9	1.0	1.0	3.5	3.5	2.8	2.2	2.6	7.4	13	25
2	9.0	2.2	1.0	1.1	3.5	3.5	1.7	2.2	2.2	22	18	18
3	12	2.2	1.0	.98	3.5	3.5	1.0	2.2	1.7	26	6.5	13
4	46	2.2	1.0	.94	3.5	3.7	.94	2.2	.98	13	5.5	11
5	10	2.2	1.0	1.0	3.5	3.5	8.2	2.2	.93	8.4	4.5	9.0
6	4.8	2.2	1.0	1.0	3.5	3.5	3.2	2.2	.83	6.5	3.0	7.9
7	3.5	1.6	1.0	1.0	3.5	3.5	1.8	1.9	.69	5.9	2.3	8.7
8	3.5	1.0	1.0	1.5	3.5	3.5	1.0	2.3	.60	4.9	1.8	11
9	3.5	1.0	1.0	8.5	3.5	3.5	1.6	3.9	1.0	7.8	1.0	12
10	3.5	1.3	2.7	3.8	3.5	2.8	1.5	2.2	2.0	21	1.0	11
11	3.5	1.3	2.8	3.5	3.7	2.2	.97	1.7	.96	20	6.4	16
12	3.5	2.2	2.2	3.3	10	2.2	.91	1.0	.85	14	65	12
13	3.5	2.2	2.2	2.2	4.4	141	.88	1.0	.84	12	35	10
14	3.5	2.0	1.8	2.2	3.5	32	.88	.96	1.8	15	15	9.1
15	3.5	1.0	1.6	2.4	3.5	6.8	.98	.85	5.7	14	11	14
16	3.5	.95	2.2	3.9	3.5	4.5	9.7	.81	9.2	9.3	8.4	21
17	3.5	.94	1.7	3.5	3.5	5.8	4.3	.74	6.7	7.6	10	17
18	3.5	1.0	2.2	3.0	3.5	6.8	3.5	.73	14	6.1	13	5.3
19	3.5	1.0	2.2	2.4	2.9	4.6	3.5	.73	7.4	4.3	9.0	4.1
20	3.5	1.1	2.2	2.4	3.1	3.6	3.5	.76	5.2	3.0	7.4	4.1
21	3.5	1.0	2.2	2.3	3.5	3.5	3.5	.67	8.4	1.7	6.3	3.5
22	3.5	1.0	2.2	2.2	3.5	3.3	2.9	.41	6.4	.99	5.4	22
23	3.5	1.4	2.1	2.4	3.5	3.1	2.2	.31	5.0	1.0	4.9	15
24	3.5	3.5	1.9	2.3	3.1	2.8	2.2	.21	4.9	1.0	4.4	10
25	3.5	2.5	1.0	3.7	2.4	3.2	2.6	.16	5.4	2.0	4.2	13
26	3.5	2.2	1.0	6.4	5.0	2.6	4.4	.25	29	.98	3.5	11
27	3.5	2.2	1.0	5.1	4.7	2.2	3.5	.17	83	.96	3.5	10
28	3.5	1.8	1.1	3.5	3.5	1.6	2.6	.19	39	.87	4.2	9.1
29	3.5	1.0	1.0	3.5	---	1.0	2.2	.43	20	.87	3.5	8.2
30	3.1	1.0	1.0	3.5	---	1.0	2.2	2.5	10	.87	4.3	6.5
31	2.8	---	1.0	3.5	---	1.1	---	4.3	---	2.7	10	---
TOTAL	176.1	50.09	48.3	88.02	105.8	269.4	81.16	42.38	277.28	242.14	291.0	347.5
MEAN	5.68	1.67	1.56	2.84	3.78	8.69	2.71	1.37	9.24	7.81	9.39	11.6
MAX	46	3.5	2.8	8.5	10	141	9.7	4.3	83	26	65	25
MIN	2.8	.94	1.0	.94	2.4	1.0	.88	.16	.60	.87	1.0	3.5
AC-FT	349	99	96	175	210	534	161	84	550	480	577	689

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	9.50	4.47	2.30	4.12	4.00	4.66	2.47	3.48	9.62	15.2	17.0	15.2
MAX	29.3	12.9	5.83	10.1	8.11	9.86	7.98	14.4	22.3	41.7	39.8	27.6
(WY)	1988	1988	1988	1991	1987	1987	1987	1987	1992	1992	1992	1987
MIN	2.56	.50	.000	1.13	1.82	.37	.069	.12	.011	3.31	3.43	3.77
(WY)	1989	1991	1991	1990	1990	1990	1990	1989	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	4295.05		2019.17			
ANNUAL MEAN	11.7		5.53		6.60	
HIGHEST ANNUAL MEAN					12.2	1992
LOWEST ANNUAL MEAN					3.70	1990
HIGHEST DAILY MEAN	198	Jun 26	141	Mar 13	198	Jun 26 1992
LOWEST DAILY MEAN	.00	May 23	.16	May 25	.00	May 9 1988
ANNUAL SEVEN-DAY MINIMUM	.00	May 23	.24	May 22	.00	Jun 1 1988
INSTANTANEOUS PEAK FLOW			317	Mar 13	387	Aug 10 1987
INSTANTANEOUS PEAK STAGE			3.94	Mar 13	4.21	Aug 10 1987
INSTANTANEOUS LOW FLOW			.00	May 24	.00	May 9 1988
ANNUAL RUNOFF (AC-FT)	8520		4010		4780	
10 PERCENT EXCEEDS	34		11		21	
50 PERCENT EXCEEDS	2.2		3.5		3.5	
90 PERCENT EXCEEDS	.49		.98		.24	

02293346 HORSESHOE CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°40'49", long 82°02'19", in SW1/4 sec.5, T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), on left bank, 100 ft north of Diplomat Parkway and 200 ft east of State Road 765 (Burnt Store Road) in Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department bench mark.

REMARKS.--Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293346
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	2.60	2.59	2.55	2.65	2.60	2.62	2.58	2.59	2.96	2.80	2.77
2	2.75	2.60	2.59	2.56	2.65	2.59	2.65	2.58	2.58	2.94	2.79	2.76
3	2.76	2.60	2.59	2.56	2.64	2.60	2.64	2.59	2.57	2.90	2.79	2.76
4	2.87	2.60	2.58	2.57	2.64	2.60	2.67	e2.58	2.56	2.88	2.78	2.77
5	2.73	2.60	2.58	2.58	2.63	2.59	2.66	e2.59	2.56	2.91	2.76	2.78
6	2.71	2.60	2.59	2.58	2.63	2.58	2.64	e2.59	2.56	2.86	2.75	2.88
7	2.70	2.60	2.58	2.58	2.63	2.58	2.63	e2.58	2.56	3.05	2.74	2.91
8	2.70	2.59	2.57	2.59	2.62	2.58	2.62	e2.59	2.55	3.10	2.74	2.98
9	2.69	2.58	2.56	2.68	2.60	2.57	2.61	2.60	2.57	2.96	2.74	2.89
10	2.69	2.58	2.59	2.65	2.60	2.57	2.61	2.58	2.60	2.94	2.76	2.85
11	2.69	2.59	2.60	2.64	2.60	2.56	2.61	2.58	2.58	2.90	2.93	2.83
12	2.69	2.61	2.59	2.64	2.64	2.69	2.60	2.58	2.56	2.88	3.13	2.96
13	2.68	2.60	2.58	2.62	2.62	3.25	2.61	2.57	2.55	2.88	3.02	3.19
14	2.65	2.59	2.58	2.62	2.62	2.76	2.60	2.57	2.65	2.90	2.94	3.03
15	2.63	2.57	2.58	2.63	2.61	2.72	2.60	2.56	2.88	2.88	2.88	3.02
16	2.63	2.57	2.57	2.67	2.61	2.70	2.63	2.56	3.35	2.85	2.86	2.95
17	2.62	2.56	2.57	2.66	2.60	2.71	2.65	2.57	3.08	2.81	2.85	2.87
18	2.62	2.58	2.57	2.66	2.61	2.70	2.63	2.56	3.02	2.80	2.81	2.80
19	2.62	2.58	2.57	2.65	2.60	2.68	2.62	2.55	2.94	2.77	2.79	2.77
20	2.61	2.57	2.56	2.65	2.60	2.68	2.61	2.56	2.94	2.76	2.78	2.76
21	2.61	2.58	2.57	2.65	2.61	2.67	2.61	2.56	3.06	2.75	2.76	2.74
22	2.60	2.58	2.56	2.64	2.59	2.66	2.60	2.55	2.99	2.74	2.75	2.73
23	2.60	2.59	2.56	2.64	2.60	2.65	2.59	2.56	2.93	2.74	2.74	2.72
24	2.60	2.62	2.56	2.64	2.60	2.65	2.59	2.55	2.92	2.75	2.75	2.71
25	2.60	2.60	2.56	2.65	2.60	2.65	2.60	2.54	3.06	2.75	2.74	2.79
26	2.60	2.60	2.56	2.68	2.61	2.63	2.62	2.54	3.32	2.74	2.75	2.82
27	2.60	2.60	2.56	2.68	2.62	2.62	2.60	2.53	3.50	2.72	2.74	2.75
28	2.60	2.60	2.55	2.67	2.61	2.62	2.60	2.55	3.26	2.75	2.74	2.75
29	2.60	2.59	2.55	2.66	---	2.62	2.58	2.57	3.11	2.75	2.80	2.78
30	2.60	2.58	2.55	2.66	---	2.62	2.58	2.60	2.99	2.76	2.79	2.74
31	2.60	---	2.55	2.66	---	2.61	---	2.61	---	2.80	2.78	---
TOTAL	82.40	77.71	79.72	81.57	73.24	82.31	78.48	79.68	85.39	88.18	86.98	85.06
MEAN	2.66	2.59	2.57	2.63	2.62	2.66	2.62	2.57	2.85	2.84	2.81	2.84
MAX	2.87	2.62	2.60	2.68	2.65	3.25	2.67	2.61	3.50	3.10	3.13	3.19
MIN	2.60	2.56	2.55	2.55	2.59	2.56	2.58	2.53	2.55	2.72	2.74	2.71

e Estimated

02293346 HORSESHOE CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	5.4	4.7	2.2	10	6.6	7.1	4.3	4.6	65	48	42
2	23	5.7	4.7	2.7	11	5.7	11	4.1	3.8	60	46	41
3	25	5.4	4.7	2.4	9.4	6.7	9.7	4.7	3.3	64	46	40
4	50	5.2	4.0	3.5	9.3	6.5	13	e4.2	2.4	65	44	42
5	20	6.0	4.3	4.4	8.5	5.2	12	e4.6	2.7	62	40	45
6	19	5.5	4.6	4.0	8.8	4.8	9.5	e4.7	2.7	62	39	66
7	17	5.5	4.3	3.8	8.8	5.1	8.6	e4.0	2.3	106	37	70
8	17	4.5	3.2	4.9	7.0	4.7	7.6	e4.5	1.9	103	37	71
9	16	4.2	2.4	14	5.9	4.1	6.7	5.9	3.5	63	36	64
10	15	4.1	5.4	10	6.8	4.1	6.5	4.4	5.8	61	40	60
11	16	5.1	5.5	9.0	6.6	3.6	6.1	4.0	3.7	64	67	55
12	15	6.4	4.4	9.0	11	24	5.9	4.3	2.6	66	110	82
13	14	5.3	4.0	7.5	8.8	176	6.2	3.5	2.1	63	81	129
14	11	4.4	3.9	7.6	8.2	24	5.8	3.4	14	66	62	82
15	8.8	3.0	3.7	8.1	7.6	20	5.7	2.9	71	65	65	80
16	8.2	3.4	3.2	13	7.3	18	9.1	2.6	188	59	62	63
17	8.0	3.0	3.3	12	6.7	19	10	3.5	95	52	59	59
18	7.9	3.7	3.3	12	7.0	18	8.1	2.5	80	49	51	48
19	7.3	3.8	3.3	11	6.3	16	7.1	2.1	59	43	46	43
20	6.7	3.5	2.7	11	6.3	15	6.7	2.3	60	40	44	40
21	6.4	4.0	3.2	10	7.0	14	6.4	2.9	90	39	41	36
22	5.7	4.1	2.7	10	6.1	13	5.7	2.3	71	36	39	35
23	6.0	4.6	2.9	9.5	6.5	12	5.0	2.5	58	36	37	33
24	5.5	7.6	2.5	9.4	6.2	12	5.0	1.8	56	39	37	31
25	5.5	6.1	2.6	11	6.3	11	5.3	1.5	92	39	37	45
26	5.6	5.5	2.6	14	7.8	9.6	7.7	1.4	189	36	38	52
27	5.6	5.6	2.5	14	8.4	8.6	5.5	1.2	243	33	36	39
28	5.4	5.2	1.9	13	7.3	8.9	5.2	2.1	153	39	36	38
29	5.2	4.7	1.9	12	---	9.0	3.9	3.4	104	38	49	44
30	5.6	4.0	2.0	12	---	8.9	3.9	5.7	72	41	46	36
31	5.6	---	2.1	11	---	7.7	---	6.8	---	48	44	---
TOTAL	389.0	144.5	106.5	278.0	216.9	501.8	216.0	108.1	1736.4	1702	1500	1611
MEAN	12.5	4.82	3.44	8.97	7.75	16.2	7.20	3.49	57.9	54.9	48.4	53.7
MAX	50	7.6	5.5	14	11	176	13	6.8	243	106	110	129
MIN	5.2	3.0	1.9	2.2	5.9	3.6	3.9	1.2	1.9	33	36	31
AC-FT	772	287	211	551	430	995	428	214	3440	3380	2980	3200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	21.9	6.57	2.66	6.72	6.37	11.4	8.60	13.8	42.1	58.2	49.2	34.8
MAX	59.4	17.9	3.57	22.1	13.4	28.7	27.8	43.4	71.9	115	66.7	53.7
(WY)	1988	1988	1988	1991	1987	1987	1987	1991	1991	1991	1988	1993
MIN	4.44	1.86	1.46	.73	1.52	2.81	.86	1.06	.51	31.0	27.9	12.7
(WY)	1990	1990	1991	1992	1988	1990	1989	1988	1988	1990	1990	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	8170.31		8510.2			
ANNUAL MEAN	22.3		23.3		21.0	
HIGHEST ANNUAL MEAN					35.6	1991
LOWEST ANNUAL MEAN					10.9	1989
HIGHEST DAILY MEAN	438	Jun 26	243	Jun 27	438	Jun 26 1992
LOWEST DAILY MEAN*	.00	Jan 18	1.2	May 27	.00	Jun 3 1988
ANNUAL SEVEN-DAY MINIMUM	.00	May 29	1.8	May 22	.00	Jun 13 1988
INSTANTANEOUS PEAK FLOW			500	Mar 13	692	Jun 26 1992
INSTANTANEOUS PEAK STAGE			4.03	Mar 13	4.55	Jun 26 1992
INSTANTANEOUS LOW FLOW			.63	May 27	.00	Jun 3 1988
ANNUAL RUNOFF (AC-FT)	16210		16880		15210	
10 PERCENT EXCEEDS	61		63		61	
50 PERCENT EXCEEDS	5.4		8.2		8.9	
90 PERCENT EXCEEDS	.50		3.0		1.1	

e Estimated
* No flow for one or more days during the period

02293347 HERMOSA CANAL AT CAPE CORAL, FL

LOCATION.--Lat 26°40'08", long 82°02'18", in SW1/4 sec.5, T.44 S., R.23 E., Lee County, Hydrologic Unit 03100103, (Matlacha Quadrangle), on right bank, 150 ft upstream of bridge on State Road 765 (Burnt Store Road) and south of NW 9th Terrace in Cape Coral.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. State Road Department bench mark.

REMARKS.--Records fair.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 6 complete water years of discharge (1988-93).

STATION NUMBER 02293347
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.59	2.53	2.55	2.62	2.59	2.62	2.59	2.57	2.91	e2.70	2.60
2	2.68	2.59	2.53	2.55	2.63	2.58	2.61	2.56	2.55	2.86	e2.69	2.59
3	2.68	2.59	2.53	2.54	2.62	2.59	2.61	2.57	2.54	2.82	e2.69	2.59
4	2.85	2.58	2.53	2.54	2.60	2.60	2.61	2.56	2.54	2.80	e2.68	2.59
5	2.67	2.58	2.53	2.55	2.61	2.58	2.67	2.56	2.54	2.85	e2.70	2.60
6	2.65	2.58	2.52	2.55	2.62	2.58	2.64	2.57	2.53	2.81	e2.67	2.65
7	2.65	2.58	2.52	2.55	2.62	2.58	2.64	2.59	2.52	2.96	e2.67	2.67
8	2.64	2.58	2.52	2.56	2.61	2.57	2.63	2.58	2.51	3.05	e2.66	2.71
9	2.64	2.58	2.52	2.64	2.61	2.56	2.61	2.58	2.52	2.90	e2.65	2.74
10	2.64	2.58	2.55	2.61	2.60	2.55	2.59	2.58	2.57	2.87	e2.70	2.70
11	2.64	2.57	2.56	2.59	2.58	2.55	2.58	2.59	2.53	2.83	e2.84	2.68
12	2.64	2.56	2.55	2.58	2.64	2.55	2.58	2.59	2.52	2.81	3.02	2.79
13	2.64	2.56	2.55	2.58	2.61	3.29	2.58	2.57	2.52	2.82	2.89	3.02
14	2.67	2.56	2.55	2.56	2.60	2.83	2.58	2.57	2.58	e2.81	2.82	2.88
15	2.65	2.56	2.55	2.57	2.60	2.72	2.57	2.56	2.75	e2.80	2.77	2.85
16	2.65	2.56	2.55	2.60	2.58	2.70	2.64	2.56	3.11	e2.80	2.76	2.83
17	2.64	2.56	2.54	2.61	2.59	2.70	2.64	2.56	2.91	e2.79	2.74	2.81
18	2.64	2.55	2.55	2.58	2.59	2.71	2.64	2.56	2.84	e2.79	2.71	2.80
19	2.64	2.55	2.55	2.58	2.58	2.70	2.63	2.56	2.78	e2.78	2.67	2.79
20	2.63	2.55	2.55	2.58	2.58	2.68	2.62	2.56	2.76	e2.77	2.66	2.77
21	2.62	2.55	2.55	2.58	2.60	2.67	2.61	2.55	2.86	e2.76	2.64	2.77
22	2.62	2.55	2.55	2.58	2.61	2.66	2.61	2.54	2.83	e2.75	2.63	2.76
23	2.62	2.55	2.55	2.58	2.60	2.65	2.61	2.54	2.79	e2.75	2.62	2.76
24	2.61	2.54	2.55	2.58	2.59	2.64	2.61	2.54	2.78	e2.74	2.61	2.73
25	2.61	2.54	2.55	2.58	2.58	2.64	2.61	2.54	2.90	e2.74	2.61	2.78
26	2.61	2.54	2.55	2.65	2.58	2.63	2.62	2.54	3.20	e2.73	2.61	2.84
27	2.61	2.54	2.55	2.66	2.59	2.62	2.61	2.53	3.40	e2.73	2.60	2.77
28	2.60	2.54	2.55	2.64	2.58	2.62	2.61	2.53	3.12	e2.72	2.60	2.75
29	2.60	2.54	2.55	2.63	---	2.62	2.61	2.54	3.00	e2.72	2.60	2.75
30	2.60	2.53	2.54	2.64	---	2.61	2.60	2.59	2.90	e2.71	2.60	2.75
31	2.59	---	2.55	2.63	---	2.61	---	2.58	---	e2.71	2.60	---
TOTAL	81.91	76.83	78.82	80.22	72.82	82.18	78.39	79.44	82.47	86.89	83.41	82.32
MEAN	2.64	2.56	2.54	2.59	2.60	2.65	2.61	2.56	2.75	2.80	2.69	2.74
MAX	2.85	2.59	2.56	2.66	2.64	3.29	2.67	2.59	3.40	3.05	3.02	3.02
MIN	2.59	2.53	2.52	2.54	2.58	2.55	2.57	2.53	2.51	2.71	2.60	2.59

e Estimated

02293347 HERMOSA CANAL AT CAPE CORAL, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	7.6	3.6	4.9	15	7.4	9.3	6.8	5.6	61	e37	9.0
2	21	7.3	3.6	4.7	16	7.6	8.8	5.5	4.9	56	e36	7.8
3	21	7.3	3.6	4.1	14	7.5	9.0	6.3	4.0	54	e35	7.6
4	49	6.9	3.6	4.2	12	8.1	8.4	5.1	3.6	53	e35	7.6
5	17	6.3	3.6	4.9	14	6.9	17	4.9	3.6	56	e34	9.6
6	13	6.3	2.9	4.5	15	7.1	11	5.9	3.3	53	e33	17
7	11	6.3	2.3	4.6	14	6.7	10	7.3	2.3	73	e32	19
8	10	6.3	2.3	5.7	13	5.9	9.9	6.3	2.3	82	e31	24
9	10	6.3	2.2	12	13	4.9	8.9	6.3	2.9	59	e31	30
10	10	6.3	5.0	8.5	12	4.9	6.9	6.9	5.7	56	e30	24
11	11	6.3	5.3	7.6	9.4	4.9	6.3	7.6	3.5	55	e45	21
12	10	5.5	4.7	6.9	18	4.3	6.3	7.3	2.6	53	77	39
13	12	4.9	4.5	6.2	13	123	6.3	6.3	2.7	53	55	77
14	15	4.9	4.9	5.4	12	46	6.3	6.3	9.9	e53	43	53
15	13	4.9	4.9	6.2	11	27	6.3	5.3	31	e52	34	47
16	12	4.9	4.9	8.9	9.5	22	10	4.9	92	e51	32	44
17	11	4.9	4.3	9.7	10	23	10	4.9	59	e50	30	40
18	11	4.9	4.6	7.3	10	24	10	4.9	49	e49	25	39
19	10	4.9	4.6	7.6	8.9	22	9.9	4.9	39	e48	20	37
20	10	4.9	4.6	8.8	7.3	19	9.0	4.9	35	e47	17	34
21	9.4	4.9	4.8	8.1	11	16	9.0	4.3	52	e46	15	34
22	9.3	4.9	4.9	8.8	12	15	9.0	3.6	46	e45	13	33
23	9.0	4.9	4.8	8.2	9.9	13	9.0	3.6	40	e45	12	32
24	9.0	4.2	4.9	8.4	8.6	11	9.0	3.6	39	e44	10	28
25	8.8	3.6	4.9	9.0	7.9	10	9.0	3.6	57	e43	10	37
26	8.7	3.6	4.9	20	7.5	10	9.9	3.6	110	e42	10	47
27	9.0	3.6	4.9	20	8.3	9.6	9.0	3.6	142	41	9.0	34
28	7.7	3.6	4.9	17	7.0	9.6	9.0	3.6	93	e40	9.0	31
29	7.6	3.6	4.3	17	---	9.0	8.9	4.4	74	e40	9.0	31
30	7.6	3.6	4.2	18	---	9.0	7.6	7.0	59	e39	9.0	31
31	7.6	---	4.7	16	---	8.7	---	6.3	---	e38	9.0	---
TOTAL	390.7	158.4	132.2	283.2	319.3	503.1	269.0	165.8	1073.9	1577	827.0	924.6
MEAN	12.6	5.28	4.26	9.14	11.4	16.2	8.97	5.35	35.8	50.9	26.7	30.8
MAX	49	7.6	5.3	20	18	123	17	7.6	142	82	77	77
MIN	7.6	3.6	2.2	4.1	7.0	4.3	6.3	3.6	2.3	38	9.0	7.6
AC-FT	775	314	262	562	633	998	534	329	2130	3130	1640	1830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1993, BY WATER YEAR (WY)

MEAN	29.3	13.1	5.81	8.44	7.01	8.96	4.77	7.50	28.7	46.4	37.8	27.5
MAX	85.1	47.0	13.9	19.3	11.4	16.2	8.97	25.6	45.8	79.0	62.0	43.7
(WY)	1988	1988	1988	1991	1993	1993	1993	1991	1991	1991	1989	1989
MIN	7.51	2.52	1.47	2.01	2.15	2.78	1.05	1.16	1.58	18.1	18.5	7.21
(WY)	1989	1991	1989	1992	1987	1987	1990	1988	1988	1990	1990	1987

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1987 - 1993	
ANNUAL TOTAL	6849.22		6624.2			
ANNUAL MEAN	18.7		18.1		19.8	
HIGHEST ANNUAL MEAN					26.4	1988
LOWEST ANNUAL MEAN					12.7	1990
HIGHEST DAILY MEAN	209	Jun 26	142	Jun 27	370	Oct 12 1987
LOWEST DAILY MEAN	.15	Jun 2	2.2	Dec 9	.00	May 12 1989
ANNUAL SEVEN-DAY MINIMUM	.22	May 30	2.9	Dec 3	.01	May 11 1989
INSTANTANEOUS PEAK FLOW			274	Jun 26	573	Jul 1 1991
INSTANTANEOUS PEAK STAGE			4.16	Jun 26	4.45	Jun 26 1992
INSTANTANEOUS LOW FLOW			1.1	Dec 9	.00	May 12 1989
ANNUAL RUNOFF (AC-FT)	13590		13140		14330	
10 PERCENT EXCEEDS	52		47		52	
50 PERCENT EXCEEDS	8.0		9.0		8.9	
90 PERCENT EXCEEDS	1.2		4.3		1.1	

e Estimated

264437081550100 GATOR SLOUGH AT U.S. 41 NEAR FT. MYERS, FL

LOCATION.--Lat 26°44'37", long 81°55'01", in SW1/4 sec.9, T.43 S., R.24 E., Lee County, Hydrologic Unit 03100103, 200 ft upstream 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 to 1984 (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. Prior to April 26, 1988, at site 200 ft downstream on upstream side of bridge on U.S. Highway 41 at datum -1.07 ft lower.

REMARKS.--Records poor. Gage stops recording stage before slough stops flowing.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 8 complete water years of discharge (1985-88, 1990-93).

STATION NUMBER 264437081550100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.55	15.70	15.64	15.63	15.82	15.65	15.77	15.62	15.66	17.26	16.36	16.89
2	16.53	15.69	15.64	15.63	15.80	15.65	15.77	15.62	15.65	17.72	16.35	16.93
3	16.61	15.67	15.63	15.63	15.77	15.64	15.75	15.62	15.65	17.79	16.38	16.90
4	16.64	15.65	15.63	15.63	15.74	15.63	15.74	15.63	15.65	17.54	16.37	16.84
5	16.63	15.65	15.63	15.68	15.73	15.63	15.85	15.63	15.65	17.26	16.36	16.76
6	16.56	15.64	15.63	15.68	15.72	15.62	15.85	15.67	15.65	17.01	16.30	16.75
7	16.50	15.64	15.63	15.67	15.72	15.62	15.82	15.71	15.64	16.85	16.21	16.65
8	16.47	15.64	15.63	15.68	15.70	15.62	15.80	15.72	15.64	16.82	16.13	16.67
9	16.42	15.64	15.62	16.02	15.69	15.62	15.78	15.76	15.63	16.81	16.07	16.67
10	16.37	15.64	15.75	16.05	15.68	15.62	15.78	15.71	15.63	17.43	16.11	16.61
11	16.33	15.63	15.82	16.02	15.68	15.61	15.75	15.68	15.63	17.58	16.90	16.52
12	16.30	15.63	15.80	15.98	15.73	15.61	15.73	15.67	15.63	17.33	18.03	16.58
13	16.26	15.63	15.77	15.95	15.72	16.25	15.70	15.66	15.77	17.08	17.87	16.91
14	16.23	15.63	15.76	15.91	15.71	16.30	15.67	15.65	15.90	17.01	17.53	16.80
15	16.19	15.63	15.75	15.89	15.69	16.18	15.68	15.64	16.22	16.90	17.24	16.72
16	16.14	15.62	15.74	16.21	15.68	16.07	15.84	15.64	16.71	16.75	17.10	16.62
17	16.10	15.62	15.73	16.41	15.67	16.03	15.84	15.64	16.56	16.62	17.01	16.58
18	16.07	15.62	15.72	16.31	15.66	16.13	15.81	15.64	16.46	16.51	16.87	16.56
19	16.04	15.62	15.71	16.25	15.64	16.09	15.78	15.63	16.39	16.41	16.74	16.49
20	16.00	15.62	15.70	16.15	15.64	16.03	15.75	15.63	16.43	16.33	16.63	16.42
21	15.97	15.62	15.69	15.92	15.64	15.99	15.73	15.63	16.79	16.26	16.54	16.40
22	15.94	15.61	15.67	15.80	15.64	15.96	15.70	15.62	16.68	16.20	16.49	16.49
23	15.91	15.63	15.66	15.77	15.64	15.92	15.67	15.62	16.58	16.19	16.47	16.51
24	15.88	15.69	15.65	15.75	15.63	15.89	15.65	15.62	17.06	16.19	16.47	16.46
25	15.85	15.67	15.64	15.75	15.63	15.87	15.64	15.61	17.97	16.17	16.81	16.39
26	15.82	15.66	15.64	15.86	15.65	15.85	15.63	15.61	17.92	16.18	16.81	16.42
27	15.79	15.66	15.64	15.98	15.69	15.84	15.63	15.61	18.47	16.29	16.71	16.48
28	15.77	15.65	15.64	15.96	15.67	15.82	15.63	15.61	18.22	16.38	16.61	16.49
29	15.75	15.64	15.63	15.92	---	15.80	15.62	15.61	17.71	16.38	16.66	16.51
30	15.73	15.64	15.63	15.89	---	15.78	15.62	15.66	17.28	16.36	16.92	16.46
31	15.71	---	15.63	15.85	---	15.77	---	15.70	---	16.38	16.91	---
TOTAL	501.06	469.28	486.05	492.83	439.38	491.09	471.98	485.07	492.84	519.99	517.96	498.48
MEAN	16.16	15.64	15.68	15.90	15.69	15.84	15.73	15.65	16.43	16.77	16.71	16.62
MAX	16.64	15.70	15.82	16.41	15.82	16.30	15.85	15.76	18.47	17.79	18.03	16.93
MIN	15.71	15.61	15.62	15.63	15.63	15.61	15.62	15.61	15.63	16.17	16.07	16.39

264437081550100 GATOR SLOUGH AT U.S. 41 NEAR FT. MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	.54	.98	.98	2.7	.49	.61	.00	.17	51	5.2	26
2	9.8	.50	1.0	.94	2.3	.44	.59	.00	.17	64	4.9	28
3	13	.41	1.0	.90	1.9	.38	.56	.00	.20	55	5.7	27
4	14	.35	1.1	.94	1.6	.34	.51	.00	.23	75	5.5	23
5	14	.33	1.1	1.4	1.4	.33	.82	.00	.26	52	5.2	19
6	11	.29	1.2	1.3	1.3	.30	.81	.00	.29	33	3.8	19
7	9.0	.29	1.2	1.2	1.2	.29	.70	.00	.31	24	2.4	14
8	8.0	.29	1.2	1.3	1.1	.26	.67	.01	.35	22	1.4	15
9	6.7	.29	1.2	3.1	.98	.25	.61	.01	.38	22	.82	15
10	5.4	.31	2.2	3.1	.91	.25	.61	.00	.40	68	1.5	12
11	4.5	.30	2.9	3.1	.90	.23	.56	.00	.45	81	30	9.1
12	3.8	.32	2.8	3.0	1.3	.22	.51	.00	.50	58	25	12
13	3.5	.33	2.8	3.0	1.2	4.0	.46	.00	1.6	38	23	27
14	3.5	.37	2.8	3.0	1.0	3.8	.49	.00	2.1	33	28	21
15	3.3	.37	2.6	3.0	.94	2.3	.65	.00	11	27	25	17
16	3.3	.37	2.5	4.4	.86	1.6	2.5	.00	17	19	18	13
17	3.2	.38	2.4	6.4	.73	1.5	2.5	.00	7.9	13	12	11
18	3.1	.41	2.2	4.2	.60	1.9	1.9	.00	6.2	9.3	8.6	10
19	3.1	.44	1.9	3.5	.54	1.8	1.3	.00	8.4	6.6	6.0	8.1
20	3.1	.46	1.8	3.2	.51	1.5	.88	.00	11	4.5	4.3	6.1
21	3.0	.49	1.6	2.9	.51	1.3	.60	.00	17	3.2	3.4	5.7
22	3.0	.48	1.5	2.6	.47	1.2	.36	.01	21	2.2	3.3	8.6
23	2.7	.62	1.4	2.2	.46	1.0	.20	.01	16	2.1	4.5	9.3
24	2.3	1.1	1.3	1.8	.43	.92	.11	.02	29	2.0	7.0	8.1
25	1.9	1.0	1.2	1.8	.41	.90	.07	.02	41	1.8	21	6.8
26	1.5	.96	1.1	2.8	.52	.82	.05	.03	52	1.9	21	7.4
27	1.3	.98	1.1	3.0	.67	.76	.03	.04	107	4.0	17	8.7
28	1.1	.94	1.1	3.0	.59	.69	.02	.05	42	5.7	13	8.8
29	.93	.91	1.0	3.0	---	.68	.00	.06	62	5.7	15	9.2
30	.78	.95	.98	2.9	---	.62	.00	.23	54	5.3	28	8.0
31	.65	---	.98	2.8	---	.57	---	.25	---	5.6	27	---
TOTAL	155.46	15.78	50.14	80.76	28.03	31.64	19.68	0.74	509.91	794.9	376.52	412.9
MEAN	5.01	.53	1.62	2.61	1.00	1.02	.66	.024	17.0	25.6	12.1	13.8
MAX	14	1.1	2.9	6.4	2.7	4.0	2.5	.25	107	81	30	28
MIN	.65	.29	.98	.90	.41	.22	.00	.00	.17	1.8	.82	5.7
AC-FT	308	31	99	160	56	63	39	1.5	1010	1580	747	819

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1993, BY WATER YEAR (WY)

MEAN	5.01	1.47	.55	.84	.38	.97	.65	4.02	12.9	20.9	15.3	10.8
MAX	18.2	8.32	2.02	2.61	1.00	3.92	2.91	28.3	45.2	41.5	33.9	20.6
(WY)	1988	1988	1988	1993	1993	1987	1987	1991	1991	1991	1988	1988
MIN	.96	.012	.000	.000	.000	.000	.000	.000	.013	2.26	1.24	.78
(WY)	1990	1989	1989	1989	1986	1989	1990	1986	1985	1990	1990	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1984 - 1993	
ANNUAL TOTAL	3407.30		2476.46			
ANNUAL MEAN	9.31		6.78		6.61	
HIGHEST ANNUAL MEAN					13.0	1991
LOWEST ANNUAL MEAN					.64	1990
HIGHEST DAILY MEAN	277	Jun 28	107	Jun 27	277	Jun 28 1992
LOWEST DAILY MEAN*	.00	Jan 1	.00	Apr 29	.00	Mar 2 1985
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Apr 29	.00	Mar 2 1985
INSTANTANEOUS PEAK FLOW			132	Jun 26	518	Jun 28 1992
INSTANTANEOUS PEAK STAGE			18.53	Jun 27	18.84	Jun 28 1992
INSTANTANEOUS LOW FLOW			.00	May 7	.00	Feb 1 1986
ANNUAL RUNOFF (AC-FT)	6760		4910		4790	
10 PERCENT EXCEEDS	20		21		19	
50 PERCENT EXCEEDS	.64		1.5		.77	
90 PERCENT EXCEEDS	.00		.15		.00	

* No flow for one or more days during the period of record

264139082022100 GATOR SLOUGH AT SR 765 NEAR FT. MYERS, FL

LOCATION.--Lat 26°41'39", long 82°02'01" in NW1/4 sec.32, T.43 S., R.23 E., Lee County, Hydrologic Unit 03100103, 100 ft upstream from bridge on State Road 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 fair except those for estimated daily discharges, which are poor.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 9 complete water years of discharge (1985-93).

STATION NUMBER 264139082022100
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	2.53	2.50	2.49	2.62	2.57	2.61	2.56	2.57	e2.84	e2.64	2.78
2	2.68	2.52	2.50	2.50	2.61	2.56	2.60	2.56	2.55	e2.88	e2.64	2.77
3	2.70	2.52	2.50	2.49	2.60	2.57	2.58	2.56	2.55	e2.96	e2.65	2.77
4	2.84	2.52	2.50	2.50	2.60	2.58	2.58	2.55	2.55	e2.93	e2.65	2.78
5	2.71	2.52	2.50	2.51	2.61	2.57	2.62	2.55	2.55	e2.90	e2.65	2.78
6	2.69	2.52	2.49	2.51	2.60	2.56	2.61	2.55	2.55	e2.86	e2.66	2.80
7	2.67	2.51	2.49	2.51	2.59	2.54	2.61	2.55	2.53	e2.82	e2.65	2.86
8	2.67	2.50	2.49	2.52	2.59	2.54	2.60	2.55	e2.53	e2.78	e2.62	2.95
9	2.67	2.50	2.49	2.61	2.59	2.55	2.60	2.57	e2.52	e2.74	e2.60	2.90
10	2.66	2.50	2.54	2.61	2.59	2.55	2.60	2.57	e2.52	e2.73	e2.65	2.84
11	2.65	2.51	2.54	2.60	2.59	2.55	2.58	2.55	e2.53	e2.75	e2.75	2.81
12	2.63	2.53	2.53	2.57	2.63	2.55	2.58	2.54	e2.55	e2.80	2.87	2.83
13	2.62	2.51	2.53	2.55	2.60	3.26	2.58	2.55	e2.60	e2.85	2.93	2.94
14	2.61	2.51	2.53	2.55	2.59	2.81	2.58	2.55	e2.70	e2.92	2.90	2.93
15	2.60	2.50	2.53	2.55	2.59	2.76	2.58	2.54	e2.80	2.96	2.86	2.93
16	2.60	2.49	2.52	2.60	2.59	2.73	2.58	2.61	e2.80	2.99	2.83	2.91
17	2.60	2.50	2.51	2.60	2.59	2.72	2.63	2.56	e2.77	2.99	2.82	2.85
18	2.59	2.50	2.51	2.60	2.58	2.72	2.61	2.55	e2.74	2.98	2.79	2.80
19	2.57	2.50	2.51	2.60	2.58	2.70	2.61	2.55	e2.73	2.95	2.76	2.78
20	2.56	2.51	2.51	2.60	2.58	2.69	2.60	2.54	e2.75	2.93	2.74	2.75
21	2.56	2.51	2.51	2.59	2.57	2.68	2.59	2.53	e2.79	2.91	2.73	2.74
22	2.55	2.50	2.51	2.58	2.57	2.66	2.59	2.52	e2.83	e2.88	2.72	2.73
23	2.54	2.50	2.51	2.59	2.57	2.66	2.58	2.52	e2.85	e2.85	2.71	2.71
24	2.53	2.53	2.51	2.58	2.56	2.65	2.58	2.52	e2.87	e2.83	2.69	2.69
25	2.53	2.52	2.51	2.58	2.55	2.65	2.58	2.52	e2.92	e2.80	2.69	2.72
26	2.53	2.51	2.51	2.61	2.57	2.63	2.58	2.51	e3.01	e2.77	2.70	2.75
27	2.53	2.51	2.51	2.62	2.58	2.63	2.59	2.51	e3.13	e2.74	2.72	2.72
28	2.53	2.50	2.51	2.62	2.57	2.63	2.58	2.51	e3.06	e2.71	2.70	2.71
29	2.53	2.50	2.50	2.63	---	2.63	2.57	2.54	e2.98	e2.68	2.75	2.73
30	2.53	2.50	2.49	2.63	---	2.62	2.56	2.57	e2.90	e2.65	2.77	2.73
31	2.53	---	2.49	2.63	---	2.60	---	2.60	---	e2.64	2.78	---
TOTAL	80.91	75.28	77.78	79.73	72.46	82.12	77.74	78.96	81.73	88.02	84.62	83.99
MEAN	2.61	2.51	2.51	2.57	2.59	2.65	2.59	2.55	2.72	2.84	2.73	2.80
MAX	2.84	2.53	2.54	2.63	2.63	3.26	2.63	2.61	3.13	2.99	2.93	2.95
MIN	2.53	2.49	2.49	2.49	2.55	2.54	2.56	2.51	2.52	2.64	2.60	2.69

e Estimated

264139082022100 GATOR SLOUGH AT SR 765 NEAR FT. MYERS, FL

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	9.9	5.0	2.9	27	18	27	14	14	e92	e34	68
2	52	9.0	4.4	3.5	24	17	24	14	9.9	e72	e37	66
3	56	8.2	4.5	2.8	22	17	20	13	9.9	e130	e35	66
4	108	8.0	5.0	3.6	22	19	20	11	9.9	e125	e34	70
5	60	8.2	4.4	5.0	24	17	30	9.9	9.9	e114	e32	70
6	53	7.4	3.7	5.0	22	15	25	9.9	9.3	e99	e31	77
7	48	6.3	3.7	5.0	21	12	22	9.9	6.9	e121	e30	95
8	48	5.1	3.7	7.6	20	13	22	10	e7.3	e72	e29	126
9	47	5.3	3.7	25	20	14	22	14	e6.5	e59	e28	111
10	44	5.6	12	24	20	14	22	14	e6.5	e56	e27	89
11	42	7.1	11	22	20	14	18	11	e8.1	e62	e30	78
12	38	9.2	8.2	15	29	13	17	8.2	e9.9	e79	101	85
13	34	6.5	8.2	12	22	279	18	9.3	e22	e96	121	126
14	28	5.8	8.2	12	20	68	18	9.3	e48	e131	111	121
15	24	4.6	8.2	12	20	54	17	8.8	e79	e137	96	121
16	24	3.9	6.4	22	20	44	17	23	e79	e145	85	115
17	24	4.4	5.0	22	19	42	30	12	e69	e145	83	95
18	23	5.3	5.0	22	18	42	25	9.9	e60	e141	73	78
19	19	5.0	5.0	22	18	43	24	9.2	e56	e133	64	71
20	15	5.9	5.0	22	17	43	23	8.2	e63	e125	58	62
21	15	5.8	5.0	19	16	43	20	7.1	e69	e118	55	58
22	13	5.0	5.0	19	17	40	20	5.0	e89	e114	52	57
23	11	5.4	5.0	20	18	39	17	5.0	e96	e82	48	51
24	9.9	9.0	5.1	17	15	37	18	5.0	e103	e69	43	45
25	9.9	8.8	5.0	18	14	36	19	4.4	e121	e51	42	55
26	9.9	7.2	5.0	24	18	33	18	3.7	e141	e34	45	62
27	9.9	6.5	5.0	27	21	32	21	3.7	e191	e28	50	55
28	9.9	5.7	4.4	27	18	32	19	4.0	e161	e26	45	51
29	9.9	5.0	3.7	28	---	32	15	8.1	e133	e30	60	58
30	9.9	5.0	3.0	29	---	28	14	13	e114	e30	66	59
31	9.9	---	2.4	29	---	24	---	20	---	e32	69	---
TOTAL	961.2	194.1	168.9	524.4	562	1174	622	307.6	1802.1	2748	1714	2341
MEAN	31.0	6.47	5.45	16.9	20.1	37.9	20.7	9.92	60.1	88.6	55.3	78.0
MAX	108	9.9	12	29	29	279	30	23	191	145	121	126
MIN	9.9	3.9	2.4	2.8	14	12	14	3.7	6.5	26	27	45
AC-FT	1910	385	335	1040	1110	2330	1230	610	3570	5450	3400	4640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1993, BY WATER YEAR (WY)

MEAN	42.7	16.4	8.94	13.7	9.20	16.7	11.4	14.6	66.2	111	108	76.7
MAX	95.2	38.6	18.9	38.0	20.1	41.5	43.2	58.0	135	192	182	125
(WY)	1988	1988	1988	1987	1993	1987	1987	1991	1992	1991	1989	1988
MIN	17.4	4.87	2.10	2.45	3.42	2.86	.44	.010	.24	34.4	55.3	23.3
(WY)	1989	1991	1991	1992	1986	1985	1985	1985	1985	1985	1993	1990

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR		FOR 1993 WATER YEAR		WATER YEARS 1984 - 1993	
ANNUAL TOTAL	18468.58		13119.3			
ANNUAL MEAN	50.5		35.9		40.8	
HIGHEST ANNUAL MEAN					53.0	1992
LOWEST ANNUAL MEAN					21.7	1990
HIGHEST DAILY MEAN	740	Jun 29	279	Mar 13	842	Aug 21 1986
LOWEST DAILY MEAN	.98	Jan 16	2.4	Dec 31	.00	Apr 6 1985
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 12	3.1	Dec 29	.00	May 2 1985
INSTANTANEOUS PEAK FLOW			700	Mar 13	901	Aug 21 1986
INSTANTANEOUS PEAK STAGE			4.06	Mar 13	4.51	Aug 21 1986
INSTANTANEOUS LOW FLOW			.50	May 28	.00	Apr 6 1985
ANNUAL RUNOFF (AC-FT)	36630		26020		29590	
10 PERCENT EXCEEDS	125		95		118	
50 PERCENT EXCEEDS	13		21		18	
90 PERCENT EXCEEDS	3.0		5.0		2.0	

e Estimated

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DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analysis, depending on the type of data collected. In 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 occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The data of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given in the period of record represent water year for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record station during the water year 1993

Station number	Station name	Location	Drainage area (sq mi)	Period of record	Annual Maximum Date	Annual Maximum Gage height (feet)	Annual Maximum Discharge (cfs)
		Caloosahatchee River					
02292730	Jacks Branch near La Belle, FL	Lat 26°49'40", long 81°33'03", in NE 1/4 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.	*	1983-93	06-01-93	37.20	990

* indeterminate

INDEX

*U.S. GOVERNMENT PRINTING OFFICE: 1994-535-927

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic–foot–per–second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre–foot (acre–ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first–order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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