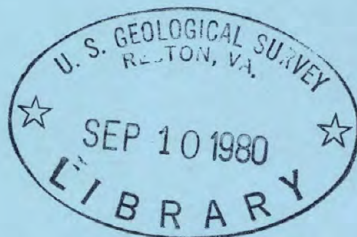


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Water Resources Data for Florida

Volume 3A Southwest Florida Quality of
Surface Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-79-3A
WATER YEAR 1979
Prepared in cooperation with the State of Florida
and with other agencies

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

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

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons



Water Resources Data for Florida

Volume 3A Southwest Florida Surface Water

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-79-3A

WATER YEAR 1979

Prepared in cooperation with the State of Florida
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

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

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U.S. Geological Survey
325 John Knox Road, Suite F-240
Tallahassee, Florida 32303

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the state of Florida and with other agencies by personnel of the Florida district of the Water Resources Division under the supervision of C. S. Conover, District Chief, R. L. Knutilla, Chief, Southwest Florida Subdistrict Office, J. M. Kimrey, Chief, East-Central Florida Subdistrict, and R. J. Dingman, Regional Hydrologist, Southeastern Region.

This report is one of a series issued state by state under the general direction of J. S. Cragwall, Jr., Chief Hydrologist.

Data for Florida are in four volumes as follows:

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

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16. Abstract (Limit: 200 words) Water resources data for the 1979 water year in Florida consists of continuous or daily discharge for 272 streams, periodic discharge for 86 streams, continuous or daily stage for 90 streams, periodic stage for 62 streams, peak discharge for 73 streams and peak stage for 14 streams; continuous or daily elevations for 122 lakes, periodic elevations for 106 lakes; continuous ground water levels for 504 wells and periodic ground water levels for 3528 wells; quality of water data for 359 surface water sites and 923 wells. The data for Southwest Florida includes continuous or daily discharge for 68 streams, periodic discharge for 35 streams, peak discharge for 15 streams, continuous or daily stage for 21 streams and periodic stage for 23 streams; continuous elevations for 71 lakes and periodic elevations for 42 lakes; continuous ground water levels for 232 wells and periodic ground water levels for 1370 wells; quality of water for 111 surface water sites and for 242 wells. These data represent the National Water Data System records collected by the U.S. Geological Survey and cooperating local, state and federal agencies in Florida.			
17. Document Analysis a. Descriptors *Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow rate, Gaging Stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations. Water wells b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
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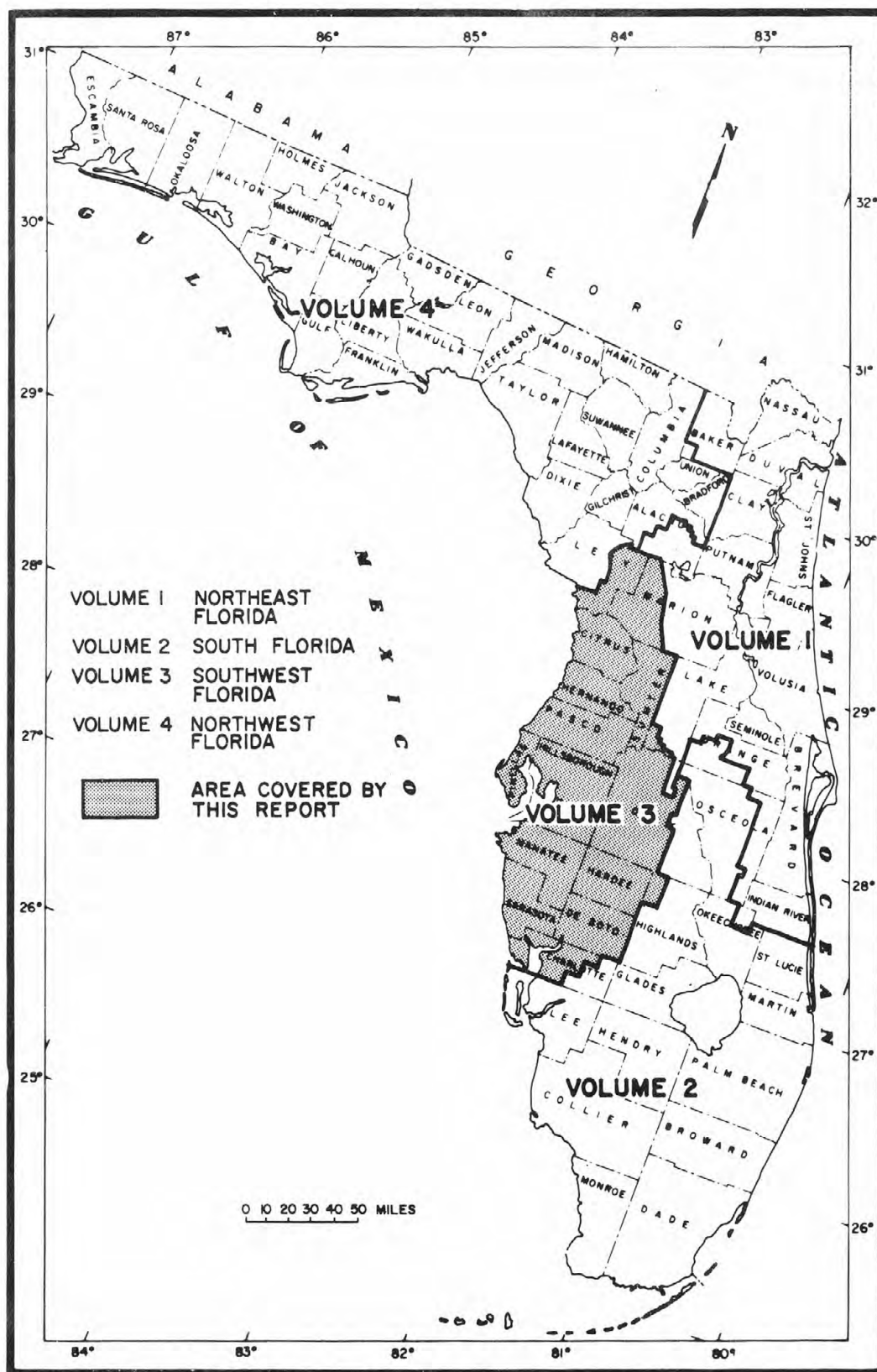


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FOR WHICH DATA ARE INCLUDED IN THIS REPORT

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INTRODUCTION

Water resources data for the 1979 water year for southwest Florida consist of records of stage, discharge, and water quality of streams; elevation and water quality of lakes and reservoirs; water-levels and water quality of wells; and discharge and water quality of springs. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating state and federal agencies in Florida.

Records of discharge and stage of streams, and contents (or elevations) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Alexandria, VA 22202.

For water years 1961 through 1974, streamflow data were released by the U.S. Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry 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-79-3A". For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (518) 472-2457.

COOPERATION

The systematic collection of water resources data in the State of Florida by the U.S. Geological Survey began in 1930 and has been continued in cooperation with state, federal, and local agencies. The data for this report were collected as part of a cooperative program with the following agencies:

Florida Department of Environmental Regulation	County of Sumter
Florida Department of Transportation	City of Bradenton
South Florida Water Management District	City of Clearwater
Southwest Florida Water Management District	Englewood Water District
County of Hillsborough	City of Sarasota
County of Manatee	City of St. Petersburg
County of Pinellas	City of Tampa
County of Sarasota	Corps of Engineers, U.S. Army

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DEFINITION OF TERMS

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

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

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, 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-spore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 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 intestines 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 which produce blue colonies within 24 hours when incubated at 44.5°C ± 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 are bacteria found also in the intestines 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 ± 1.0°C on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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 microorganisms, such as bacteria.

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

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m³ (grams per cubic meter), and periphyton and benthic organisms in g/m² (grams per square meter).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.

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

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

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or approximately 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

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.

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 salt water.

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

Cubic foot per second (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.

Detergents (methylene blue active substance, MBAS). Anionic surfactants in detergents resist chemical oxidation and biological breakdown. Soap is an example of this class and the synthetic members are sodium salts of organic sulfonates or sulfates (Rose, 1966). Their persistence in water over long periods of time contributes to pollution of both ground water and surface water. Some of the effects produced from detergent pollution are unpleasant taste, odor, and foaming (Wayman, and others, 1962). Although the physiological implications of MBAS to human beings is unknown, prolonged ingestion of this material by rats is believed to be nontoxic (Paynter, 1960). The U.S. Public Health Service (1962) recommends that MBAS should not exceed 0.5 mg/L in drinking and culinary waters. ISD-W (1971) sets 0.2 mg/L as the highest desirable level and 1.0 mg/L as the maximum permissible level.

Discharge, is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

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

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

Dissolved is that material in a representative water sample which passes through a 0.45 μ m 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.

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

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 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 gage height of discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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

Milligrams per liter (mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Concentration of suspended sediment can also be expressed in mg/L based on the mass of sediment per liter of sample.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum arrived 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, such as an insect, phytoplankter, or zooplankter.

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).

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 meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

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

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds (Goerlitz and Brown, 1972, p. 24). The United States annually produces about one billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per 100 mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per 100 mL of sample.

A picocurie (pCi) is one millionth of the amount of radioactivity represented by a microcurie, 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.

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having an atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

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 only 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.

Runoff in inches (IN.) shows the depth of 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 transformed 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, soil characteristics, land usage, and quantity and intensity of precipitation.

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.

Sediment discharge is the rate at which suspended sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks and dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25C. 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 micromhos). This relation is not constant from stream to stream, and it may even vary in the same source with changes in the composition of the water (Durfor and Becker, 1964 p. 2729).

Stage-discharge relation is the relation between gage height and the 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 U.S. Geological Survey 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 stages when the various maps were made.

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 ug 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 would be required for all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determination 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 ug 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.

Thermograph is a thermometer that continuously and automatically records on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the location of the thermograph or a digital mechanism that automatically records water temperature on paper tape.

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

Total 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 forms 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 determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. 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 judge when the results should be reported as "total in bottom material."

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 would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total organic carbon (TOC) is a measure of the organically related carbonaceous content of water. It includes all natural and man-made organic compounds which are combustible at a temperature of 950°C.

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. Thus, the water year beginning October 1, 1970 and ending September 30, 1971 is called the "1971 water year."

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

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

SPECIAL NETWORKS

Some of the stations for which data are published in this report are included in special networks and programs. These stations are identified by their title, set in parentheses, under the station name.

The National Stream Quality Accounting Network (NASQAN) has been designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. These agencies include the Water Resources Council, Council on Environmental Quality, Environmental Protection Agency, and interstate or State-Federal units, such as river-basin commissions or river-compact commissions.

The primary objectives of the accounting network are (1) to depict areal variability of water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in stream quality. In implementing the network, one or more stations in each river-basin unit is selected so as to sample a major part of the surface-water discharge from the unit. The NASQAN stations in Florida are shown in Figure 2.

Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Temperature, specific conductance, the major inorganic constituents, sediment, organic and minor inorganic constituents, bacterial content, and other biological parameters are measured periodically to provide information on their range, diversity, and variability. The ability of the stream to support biological life is assessed by periodic observations of the lower forms of aquatic plants and animals. Information obtained from the accounting network stations will provide a broad base of water-quality data on streams throughout the nation.

Pesticide program is a network of regularly sampled water-quality stations where additional samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

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.



Figure 2. NASQAN Sites in Florida.

STATION IDENTIFICATION

Downstream order and station number

Surface water stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indentation, each indentation representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. 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 8-digit number for each station, such as 02335500, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "335500." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

Numbering system for wells and miscellaneous sites

Downstream order station numbers are not assigned to wells, and to miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for sites within a 1-second grid. In the event that the latitude-longitude coordinates for two sites are the same, sequential numbers "01," "02," are assigned to give each site a unique number. See figure below.

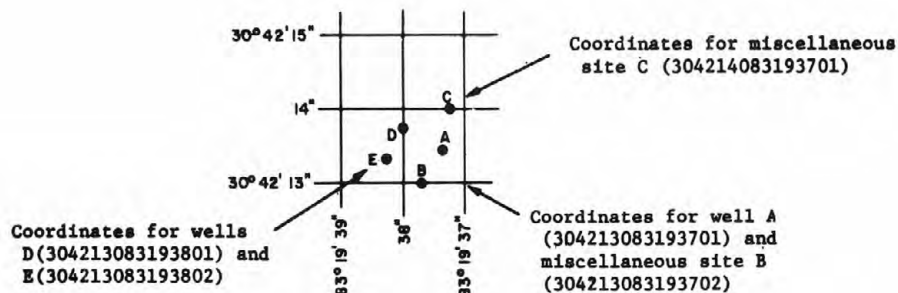


Figure 3. System for numbering wells and miscellaneous sites.
(latitude and longitude)

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the U.S. Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted opening measurements, computations of flow over dams or weirs), step backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relations is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. 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 determining discharge.

At some stations there is no relation between stage and discharge because of the flat stream gradients and/or tidal fluctuations. Discharge is determined from ratings which are based on a relation between recorded deflection (velocity index unit) at a fixed point and mean velocity at a fixed measuring section, and a relation between recorded stage and cross-sectional area at the measuring site.

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. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 3.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR: if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharge is not published for any canals, ditches, drains, or for any stream for which peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

Skeleton rating tables are published, immediately following EXTREMES, for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

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

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

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 discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage 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.

Accuracy of field data and computed results

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

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

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures 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 of losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

The descriptive heading for water-quality records at surface water stations where parameters are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.) gives the period of record for the daily water-quality parameters; extremes for the period of record, extremes for the current year; and general remarks. The chemical analyses of samples collected at these sites are given immediately following the daily records.

For records collected at miscellaneous surface water sites and ground water sites no descriptive statements are given, however, the site number, date of sampling and other pertinent data are given in the table of chemical analyses.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

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.

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 chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken at about the same time each day in order that the data would not reflect diurnal variations in water temperature. Most large streams have small diurnal variations in water temperature; small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. The thermometers used for determining the water temperature are accurate to plus or minus 0.5°C.

At stations where thermographs are located, the records consist of maximum and minimum temperatures for each day and the monthly average of maximum and minimum daily temperatures.

Sediment

Suspended sediment samples were collected monthly at stations in the Hydrologic Benchmark Network and National Stream Quality Accounting Network with depth-integrating samplers. Depth integrated samples were collected at three or more verticals in the cross section to determine variations in the cross section and to more accurately determine suspended sediment loads. Daily sediment loads in tons per day are reported for day on which samples were collected.

Mineral constituents in solution

All natural waters contain dissolved mineral matter. The quantity of dissolved mineral matter in natural water depends primarily on the type of rocks or soils with which the water has been in contact and the length of time of contact. Ground water is generally more highly mineralized than surface runoff because it remains in contact with the rocks and soils for much longer periods. Many streams are fed by both surface runoff and ground water from seepage or direct spring inflow. Such streams reflect the character of the more mineralized ground water during dry periods and are diluted by surface runoff during wet periods.

The mineral constituents and physical properties of waters reported in this report include those that have a practical bearing on water use. The results of analyses generally include silica, iron, calcium, magnesium, sodium, potassium, carbonate, bicarbonate, sulfate, chloride, fluoride, nitrate, pH, dissolved solids, and specific conductance. Aluminum, manganese, color, dissolved oxygen, and other dissolved constituents and physical properties are reported for certain streams. Microbiologic and organic components (pesticides, total organic carbon) and minor elements (arsenic, cobalt, cadmium, copper, lead, mercury, nickel, strontium, zinc, etc.) are determined occasionally for some streams in connection with specific studies and the results are reported. The source and significance of a number of constituents and properties of natural waters are discussed in the following table.

Table 1. Significance of dissolved mineral constituents and properties of water

Constituent or property	Source or cause	Significance
Alkalinity	Caused primarily by bicarbonate, carbonate, and hydroxide. Other weak acid radicals like borate, phosphate, and silicate may contribute to alkalinity.	Ability of water to neutralize strong acid. High alkalinity itself not detrimental but usually associated with high pH, hardness, and dissolved solids which can be detrimental.
Aluminum (Al)	Usually present only in negligible quantities in natural waters except where the waters have been in contact with the more soluble rocks of high aluminum content. Acid waters often contain large amounts.	May be troublesome in feed waters forming scale on boiler tubes. High concentrations usually indicate the presence of acid mine drainage or industrial waste.
Arsenic (As)	Natural arsenic bearing minerals. Found in some ground waters, in wastes from industry and mining activity, and residues from some insecticides and herbicides.	National Interim Primary Drinking Water Regulations, (1975), give a limit of 50 ug/L for potable waters. Lethal dose for animals is believed to be about 20 milligrams per animal pound. Small concentrations in drinking water can accumulate in man and other animals until lethal dosage is reached.
Bicarbonate (HCO ₃) and Carbonate (CO ₃)	Produced by reaction of atmospheric carbon dioxide with water. Dissolved from carbonate rocks such as limestone and dolomite.	Bicarbonate and carbonate produce alkalinity. Bicarbonates of calcium and magnesium decompose in steam boilers and hot water facilities to precipitate as scale and release corrosive carbon dioxide gas. In combination with calcium and magnesium cause carbonate hardness.

Table 1 (con't.)

Constituent or property	Source or cause	Significance
Cadmium (Cd)	Found in wastes from pigment works, textile printing, lead mines, and chemical industries.	The results of animal studies suggest that very small amounts of cadmium can produce nephrotoxic and cardiovascular effects. The reproductive organs of animals are specifically affected after parenteral administration of very small amounts of cadmium salts. National Interim Primary Drinking Water Regulations, (1975), state that cadmium in excess of 10 ug/L is cause for rejection of the water supply. Cadmium is also toxic to fish and aquatic life in varying concentrations.
Calcium (Ca) and Magnesium (Mg)	Dissolved from practically all soils and rocks, but especially from limestone, dolomite, and gypsum. Calcium and magnesium are found in large quantities in some brines. Magnesium is present in large quantities in seawater.	Cause most of the hardness and scale-forming properties of water; consumes soap (see hardness). Waters low in calcium and magnesium are desired in electroplating, tanning, dyeing, and in textile manufacturing.
Chloride (Cl)	Dissolved from rocks and soils. Present in sewage and found in large amounts in ancient brines, seawater, and industrial brines.	About 300 mg/L in combination with sodium gives salty taste to water. Increases the corrosiveness of water. National Secondary Drinking Water Regulations (1977) recommend that the chloride content should not exceed 250 mg/L.
Chromium (Cr)	Few if any waters contain chromium from natural sources. Natural waters probably contain only traces of chromium as a cation unless the pH is very low. When chromium is present in water, it is usually the result of pollution by industrial wastes such as metal pickling, plating, manufacturing of paints, dyes, explosives, ceramics, paper, glass, and photography processing.	National Interim Primary Drinking Water Regulations, (1975), limit the maximum concentration of hexavalent chromium to 50 ug/L. Toxicity to aquatic life varies widely with the species, temperature, pH, and other factors.
Cobalt (Co)	Cobalt occurs in nature in the minerals smaltite, (Co,Ni)As ₂ , and cobaltite, CoAsS. Alluvial deposits and soils derived from shales often contain cobalt in the form of phosphate or sulfate, but other soil types may be markedly deficient in cobalt in any form (Bear, 1955). Biological activity may aid in the solution of small amounts of cobalt. May also be present in industrial wastes especially those from manufacture of ceramics, inks, electric heating units, and cobalt pigments.	Usually suggests pollution. Relatively low toxicity to man. Fish and aquatic life tolerance varies widely from less than 3 mg/L to more than 10 mg/L. Essential in trace quantities for plant growth.
Color	Yellow-to-brown color of some water is usually caused by organic matter extracted from leaves, roots, and other organic substances. Objectionable color in water also results from industrial wastes and sewage.	Water for domestic and some industrial uses should be free from perceptible color. The National Secondary Drinking Regulations (1977) proposes a limit of 15 Pt-Co units. Color in water is objectionable in food and beverage processing and many manufacturing processes. Limits light penetration in water, thus preventing growth of some organisms.

Table 1 (con't)

Constituent or property	Source or cause	Significance										
Copper (Cu)	Copper is a fairly common trace constituent of natural water. Small amounts may be introduced into water by solution of copper and brass water pipes and other copper-bearing equipment in contact with the water or from copper salts added to control algae in open reservoirs. Copper salts such as the sulfate and chloride are highly soluble in waters with a low pH but in water of normal alkalinity the salts hydrolyze and copper may be precipitated. In the normal pH range of natural water containing carbon dioxide, the copper might be precipitated as carbonate.	Copper imparts a disagreeable metallic taste to water. As little as 1.5 mg/L can usually be detected, and 5 mg/L can render the water unpalatable. Copper is not considered to be a cumulative systemic poison like lead and mercury; most copper ingested is excreted by the body and very little is retained. The pathological effects of copper are controversial, but it is generally believed very unlikely that humans could unknowingly ingest the toxic quantities from palatable drinking water. The National Secondary Drinking Water Regulations (1977) recommends that copper should not exceed 1000 ug/L in drinking and culinary water. Copper is essential in trace amounts for plant growth but becomes toxic in large amounts.										
Dissolved Oxygen (DO)	Dissolved in water from air and from oxygen given off in the process of photosynthesis by aquatic plants.	Dissolved oxygen increases the palatability of water. The amount necessary to support fish life varies with species and age, with temperature, and concentration of other constituents in the water. Under average stream conditions, 5 mg/L is usually necessary to maintain a varied fish fauna in good condition. For many industrial uses, zero dissolved oxygen is desirable to inhibit corrosion.										
Dissolved solids	Chiefly mineral constituents dissolved from weathering of rocks and soils.	The National Secondary Drinking Water Regulations (1977) recommend that the dissolved solids should not exceed 500 mg/L, however, 1,000 mg/L is permitted under certain circumstances. Waters containing more than 1,000 mg/L of dissolved solids are unsuitable for many purposes. The Geological Survey classifies the degree of salinity of these more mineralized bodies of water as follows (Swenson and Baldwin, 1965): <table><tr><th>Dissolved solids (mg/L)</th><th>Degree of salinity</th></tr><tr><td>Less than 1,000.....</td><td>Nonsaline.</td></tr><tr><td>1,000 to 3,000.....</td><td>Slightly saline.</td></tr><tr><td>3,000 to 10,000.....</td><td>Moderately saline.</td></tr><tr><td>10,000 to 35,000....</td><td>Very saline.</td></tr></table>	Dissolved solids (mg/L)	Degree of salinity	Less than 1,000.....	Nonsaline.	1,000 to 3,000.....	Slightly saline.	3,000 to 10,000.....	Moderately saline.	10,000 to 35,000....	Very saline.
Dissolved solids (mg/L)	Degree of salinity											
Less than 1,000.....	Nonsaline.											
1,000 to 3,000.....	Slightly saline.											
3,000 to 10,000.....	Moderately saline.											
10,000 to 35,000....	Very saline.											
Fluoride (F)	Dissolved in small to minute quantities from most rocks and soils. Enters many waters from fluoridation of municipal supplies.	Fluoride in drinking water reduces the incidence of tooth decay when the water is consumed during the period of enamel calcification. However, it may cause mottling of the teeth depending on the concentration of fluoride, the age of the child, amount of drinking water consumed, and susceptibility of the individual. (Maier, 1950).										
Hardness (as CaCO3)	In most waters nearly all the hardness is due to calcium and magnesium. All of the metallic cations other than the alkali metals also cause hardness.	Consumes soap before a lather will form. Deposits soap curd on bathtubs. Hard water forms scale in boilers, water heaters, and pipes. Hardness equivalent to the bicarbonate and carbonate is called carbonate hardness. Any hardness in excess of this is called non-carbonate hardness. Waters of hardness up to 60 mg/L are considered soft; 61 to 120 mg/L, moderately hard; 121 to 200 mg/L, hard; more than 200 mg/L, very hard.										

Table 1 (con't)

Constituent or property	Source or cause	Significance
Iron (Fe)	Iron is dissolved from many rocks and soils. On exposure to air, normal basic waters that contain more than 1 mg/L of iron soon become turbid with the insoluble reddish ferric compounds produced by oxidation. Surface waters, therefore, seldom contain as much as 1 mg/L of dissolved iron, although some acid waters carry large quantities of iron in solution.	The National Secondary Drinking Water Regulations (1977) recommends a limit of 300 ug/d. On exposure to air, iron in ground water oxidizes to reddish-brown sediment. More than about 300 ug/L may stain laundry and utensils reddish-brown. Objectionable for food processing, textile processing, beverages, ice manufacture, brewing and other processes. USPHS drinking water standards state that for esthetic reasons iron and manganese should not exceed 300 ug/L. Larger quantities cause unpleasant taste and favor growth of iron bacteria.
Lead (Pb)	Lead seldom occurs in most natural waters, but industrial mine and smelter effluents may contain relatively large amounts of lead which contaminates the streams. Also, atmospheric contamination which is produced from several types of engine exhausts has considerably increased the availability of this element for solution in rainfall, resulting in contamination of lead in streams (Hem, 1970). Lead in the form of sulfate is reported to be soluble in water to the extent of 31 mg/L (Seidell, 1940) at 25°C. In natural water this concentration would not be approached however, since a pH of less than 4.5 would probably be required to prevent formation of lead hydroxide and carbonate. It is reported (Pleissner, 1907) that at 18°C water free of carbon dioxide will dissolve the equivalent of 1.4 mg/L of lead and the solubility is increased nearly four fold by the presence of 2.8 mg/L of carbon dioxide in the solution. Presence of other ions may increase the solubility of lead.	National Interim Primary Drinking Water Regulations, (1975), that lead shall not exceed 50 ug/L in drinking and culinary water on carriers subject to Federal quarantine regulations. Maximum safe concentrations for animal watering is reported to be 500 ug/L. Toxicity of lead to fish decreases with increasing water hardness.
Manganese (Mn)	Dissolved from some rocks and soils. Not as common as iron. Large quantities often associated with high iron content and with acid waters.	Same objectionable features as iron. Causes dark brown or black stain. The National Secondary Drinking Water Regulations (1977) proposes that manganese should not exceed 0.3 mg/L.
Nickel (Ni)	Chiefly from metalplating works, manufacturing of ceramic colors, and inks.	Presence of nickel in water may suggest pollution. Federal drinking water standards do not place a limit on nickel. In the Soviet Union the maximum permissible concentration is 1.0 mg/L, (Kirkor, 1951).
Ammonia Nitrogen (N)	Includes nitrogen in the form of NH_3 and NH_4^+ . Found in many waters but usually only in trace amounts. Waters from hot springs may contain high concentrations. Found also in waters polluted with sewage and other organic waste.	Usually indicates organic pollution. Toxicity to fish is dependent on the pH of the water; 2.5 mg/L ammonia nitrogen can be harmful in the 7.4 to 8.5 pH range (Ellis, M.M., Et. Al, 1946). Ammonium salts are destructive to concrete made from portland cement.

Table 1 (con't)

Constituent or property	Source or cause	Significance
Organic Nitrogen (N)	Amino acids, proteins, and polypeptides. Derived from living organisms and their life processes and from wastes and sewage.	Sometimes indicates pollution. Increases nutrient content of water through decomposition and formation of other nitrogen forms.
Nitrate Nitrogen (N)	Decaying organic matter, sewage, fertilizers, and nitrates in soil.	Concentrations much greater than the local average may suggest pollution. The National Interim Primary Drinking Water Regulations (1975) have established a 10 mg/L maximum contamination level for Nitrate Nitrogen. There is evidence that more than about 10 mg/L of nitrate (N) may cause a type of methemoglobinemia in infants, sometimes fatal. Water of high nitrate content should not be used in baby feeding (Maxcy, K.F., 1950). Nitrate has shown to be helpful in reducing intercrystalline cracking of boiler steel. It encourages growth of algae and other organisms which produce undesirable tastes and odors.
Nitrite Nitrogen (N)	Unstable in the presence of oxygen and is present in only small amounts in most waters. Found in sewage and other organic wastes.	Presence of nitrite is usually an indication of recent organic pollution. Undesirable in waters for some dyeing and brewing processes.
Total Kjeldahl Nitrogen (N)	Includes ammonia nitrogen and organic nitrogen.	See organic and ammonia nitrogen.
Total nitrogen (N)	All forms of nitrogen - inorganic and organic.	See ammonia nitrogen, nitrite, nitrate, and organic.
Hydrogen ion concentration and pH	Hydrogen ions derived from ionization of weak and strong acids. Hydrogen ion concentration is expressed in terms of pH where $pH = \log (H^+)$. Acid generating salts and dissolved gases such as SO_2 and CO_2 increases the number of hydrogen ions. Carbonates, bicarbonates, hydroxides, phosphates, silicates, and borates reduce the number of hydrogen ions.	pH ranges between 0 and 14. A pH of 7.0 indicates solution having equal numbers of hydrogen and hydroxide ions. pH higher than 7.0 denotes predominance of hydroxide ions; values lower than 7.0 indicate predominance of hydrogen ions. Corrosiveness of water generally increases with decreasing pH. However excessively alkaline waters may also attack metals. A pH range of 6.5-8.5 is recommended in the National Secondary Drinking Water Regulations (1977).
Strontium (Sr)	Dissolved from rocks and soil. Found in seawater and many brines. Present in waters of local areas where strontium minerals such as celestite and strontianite are present.	Naturally occurring strontium is similar chemically to calcium and only adds to the hardness of water. Radioactive isotopes of strontium, as from nuclear bomb fallout, can be harmful. These isotopes can be detected by radiometric measurements.
Sulfate (SO_4)	Dissolved from rocks and soils containing gypsum, iron sulfides, and other sulfur compounds. Usually present in mine waters and in some industrial waters.	Sulfate in water containing calcium forms hard scale in steam boilers. In large amounts, sulfate in combination with other ions gives bitter taste to water. Some calcium sulfate is considered beneficial in the brewing process. The National Secondary Drinking Water Regulations (1977) recommend that the sulfate content should not exceed 250 mg/L.

Table 1 (con't)

Constituent or property	Source or cause	Significance
Temperature	Solar energy, thermal pollution from waste outfalls and heat from earth's core.	Affects usefulness of water for many purposes. For most uses, a water of uniformly low temperature is desired. Shallow wells show some seasonal fluctuations in water temperature. Ground waters from moderate depths usually are nearly constant in temperature, which is near the mean annual air temperature of the area. In very deep wells, the water temperature generally increases on the average about 1°C with each 100-foot increment of depth. Seasonal fluctuations in temperatures of surface waters are comparatively large, depending on the depth of water, but do not reach the extremes of air temperature.
Turbidity	Colloidal suspensions of sediment, precipitates, and other small particles.	The National Interim Primary Drinking Water Regulations (1975) has established a maximum contaminant level as a monthly average of one nephelometric turbidity unit (NTU) (or 5 turbidity units (NTU) with state approval, provided it does not interfere with disinfection, maintenance of chlorine residual, or bacteriological testing). Interferes with light penetration and limits growth of organisms. Also directly lethal to some life forms.
Zinc (Zn)	Dissolved from some rocks and soils. Found in high concentrations in some mine waters havin a low pH. Zinc is used in many commercial products and industrial wastes may contain large amounts. May be derived from zinc plated or galvanized metal products.	Small amounts are toxic to aquatic plants and animals. Zinc may have such a toxic action on purifying bacterial flora of streams as to present serious sewage pollution problems. The National Secondary Drinking Water Regulations (1977) standards recommend that zinc should not exceed 5,000 ug/L (5 mg/L).

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

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

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude as shown in figure 2, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs.

Measurements 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 insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that approximates land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical 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 in wells equipped with recording gages are reported daily or for every fifth day and the end of the month (eom).

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 hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater, however, most measurements are reported to a hundredth of a foot.

HYDROLOGIC CONDITIONS

Rainfall for southwest Florida varied from 5 inches below normal to 21 inches above normal during the 1979 water year, October 1978 to September 1979. The rainfall varied from 2 inches below to 3 inches above normal from October to April but was 2 to 15 inches above normal in May due to heavy rain. The summer rains did not begin until August so rainfall was deficient in the months of June and July but varied from 5 to 8 inches above normal for August and September. Rainfall associated with the two hurricanes passing near to Florida brought the total in September to more than 12 inches, or about 6 inches above normal. The rainfall during the year averaged about 6 inches above normal. Total rainfall for the year was about 15 to 21 inches above normal at Arcadia, Tampa and Lakeland, about 1 to 5 inches below normal at Bradenton, Bushnell, and Inverness.

Streamflow during the 1979 water year ranged from 26 to 112 percent of normal. In the Peace River basin, it was 16 to 30 percent of normal October through December, and in April, and July, 50 to 75 percent February, March, June, and August; 135 to 150 percent January and September; while May was 315 percent above normal; and averaged about 75 percent of normal for the year. For the Hillsborough River basin, streamflow was 27 percent of normal for October, 40 to 50 percent November, April, June and July; 80 to 130 percent January through March and August; 255 to 310 percent for May and September; and approximated the long-term normal for the year. Streamflow for Withlacoochee River near Eva was above normal only in May and September and the mean for the water year was about 70 percent of the long-term average. Flow of the Withlacoochee River at Holder was above normal only in May and June, but was still increasing at the end of September. The yearly mean was about 60 percent of the long-term average flow.

Lake elevations were generally about normal for the year. Lake Howard, in the upper Peace River basin, ranged from 0.6 feet below to 1.0 feet above normal and Lake Carroll in the Hillsborough River basin was 1.8 feet below to 1.6 feet above normal. Heavy rain showers during August and September caused lake levels in northwest Hillsborough County to reach 1.0 to 2.1 feet above normal which caused flooding of low-lying areas. Clear Lake, in the Withlacoochee River basin, was about 1.0 foot below average from October through April, near average May through August, and 1.0 foot above average in September. Lake Juliana began the water year nearly 1.5 feet below average and slowly climbed to 1.1 feet above average in September. Lake Rousseau, a regulated lake, was above average all year.

The rainfall which occurred unevenly throughout southwest Florida affected both the potentiometric surface of the Floridan aquifer and water levels in the surficial aquifer. Floridan aquifer water levels in De Soto, Hillsborough, Hardee, Hernando, Pasco, and Polk counties ranged from 1.8 feet lower to 11.5 feet higher than that of May 1978. In September, the water levels ranged from 0.8 feet lower to 6.2 feet higher than that of September 1978. Water levels for the 1979 water year averaged about 2.8 feet higher than the 1978 water year.

The flow of Lithia Springs in Hillsborough County was about equal to the long-term average and the flow of Weeki Wachee Springs in Hernando County was about 90 percent of the long-term average.

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing 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) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202, authorized agent of the Superintendent of Documents, Government Printing Office. Prices are effective October 1978 but are subject to change.

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1.**WATER TEMPERATURE-INFLUENTIAL FACTORS, FIELD MEASUREMENT, AND DATA PRESENTATION, by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages. \$1.60.
- 1-D2.**GUIDELINES FOR COLLECTION AND FIELD ANALYSIS OF GROUND-WATER SAMPLES FOR SELECTED UNSTABLE CONSTITUENTS, W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages. \$0.85.
- 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. \$1.90.
- 2-E1.**APPLICATION OF BOREHOLE GEOPHYSICS TO WATER-RESOURCES INVESTIGATIONS, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages. \$1.75.
- 3-A1.**GENERAL FIELD AND OFFICE PROCEDURES FOR INDIRECT DISCHARGE MEASUREMENTS, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages. \$1.00.
- 3-A2.**MEASUREMENT OF PEAK DISCHARGE BY THE SLOPE-AREA METHOD, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages. \$0.35.
- 3-A3.**MEASUREMENT OF PEAK DISCHARGE AT CULVERTS BY INDIRECT METHODS, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 3-A4.**MEASUREMENT OF PEAK DISCHARGE AT WIDTH CONTRACTIONS BY INDIRECT METHODS, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages. \$1.00.
- 3-A5.**MEASUREMENT OF PEAK DISCHARGE AT DAMS BY INDIRECT METHODS, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.35.
- 3-A6.**GENERAL PROCEDURE TO GAGING STREAMS, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages. \$1.00.
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STAGE AND DISCHARGE OF STREAMS

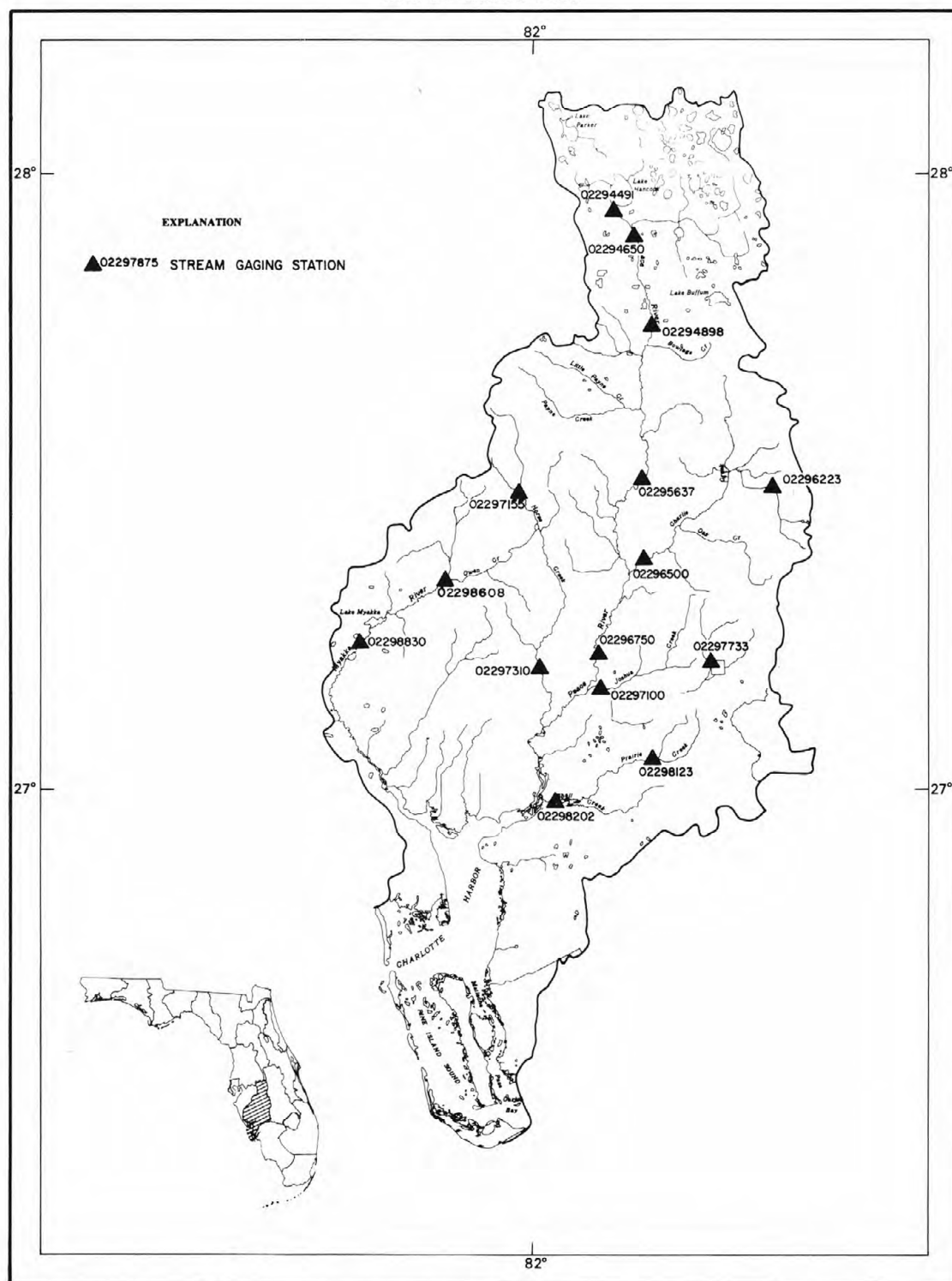


Figure 4. Location of stream gaging stations in the Peace and Myakka River basins, Charlotte Harbor and coastal area.

PEACE RIVER BASIN

02294491 SADDLE CREEK AT STRUCTURE P-11 NEAR BARTOW, FL

LOCATION.--Lat 27°56'17", long 81°51'05", in SW¼ sec.19, T.29 S., R.25 E., Polk County, Hydrologic Unit 03100101, near right bank 65 ft (20 m) downstream from structure P-11, 0.7 mi (1.1 km) south of Lake Hancock, 2.3 mi (3.7 km) upstream from mouth, and 3.0 mi (4.8 km) north of post office in Bartow.

DRAINAGE AREA.--135 mi² (350 km²).

PERIOD OF RECORD.--November 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 84.08 ft (25.628 m) National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District reference mark). Prior to Aug. 15, 1968, at present site at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair. Flow regulated by structure P-11.

AVERAGE DISCHARGE.--15 years (1964-79), 52.6 ft³/s (1.490 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 516 ft³/s (14.6 m³/s) Aug. 13, 14, 1965; maximum gage height, 15.66 ft (4.773 m), present datum, Aug. 11, 1965 (wind affected); no flow for many days in some years; channel dry at gage May 7-23, 1968, many days 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 487 ft³/s (13.8 m³/s) May 16, 17; maximum gage height, 15.38 ft (4.687 m) May 12; no flow for many days; minimum gage height, 10.21 ft (3.112 m) Dec. 23-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	3.7	2.4	.00	121	6.0	.50	5.0	296	3.2	129	208
2	7.4	3.5	2.5	.00	120	4.8	.62	6.1	289	4.7	127	208
3	8.6	3.5	2.3	.00	119	4.3	.62	5.9	278	.64	125	229
4	5.6	3.5	1.1	.00	120	3.8	.70	5.2	267	.40	124	203
5	5.3	3.7	.15	.00	120	3.2	.62	4.6	256	.32	124	217
6	5.2	4.1	.09	.00	117	3.1	.41	4.5	247	.32	89	223
7	5.0	4.0	.09	.00	115	2.3	.39	4.2	237	.26	3.6	222
8	5.3	3.6	.15	.00	115	2.1	.40	5.0	229	.22	66	222
9	5.6	3.2	.15	.00	113	1.8	.27	171	220	.19	194	222
10	5.8	3.0	.01	.00	111	1.9	.27	370	207	.16	124	219
11	5.8	2.9	.76	.00	111	1.7	.46	375	194	.13	.58	219
12	6.0	2.9	1.4	.41	110	1.2	.42	423	200	5.7	.84	217
13	6.0	2.9	.87	.21	65	.78	.42	448	230	20	96	214
14	6.0	2.8	.27	.05	1.1	.62	.51	459	223	19	72	215
15	5.8	2.8	.05	.00	.40	.55	.44	479	206	18	5.2	219
16	5.5	2.8	.00	.00	.28	.41	8.7	487	190	50	143	227
17	5.2	2.7	.00	.00	.17	.55	12	487	181	77	265	231
18	4.7	2.7	.00	.00	.12	.63	9.6	468	173	107	286	230
19	4.1	2.8	.00	.00	.12	.64	7.5	450	131	130	280	224
20	3.8	2.8	.00	.00	.12	.41	7.6	433	91	133	275	219
21	3.7	2.8	.00	.00	.12	.48	7.5	417	89	134	266	217
22	3.7	2.8	.00	.00	.12	.62	6.1	401	86	131	258	252
23	3.7	2.8	.00	11	.12	1.1	6.1	380	84	131	253	277
24	3.8	2.8	.00	82	.12	1.1	7.0	369	83	134	248	304
25	3.6	2.7	.00	129	.12	.78	6.9	368	39	136	252	319
26	3.4	2.5	.00	128	.02	.43	5.6	359	.23	135	243	344
27	3.0	2.4	.00	125	.01	.46	4.3	346	1.9	134	236	382
28	2.9	2.3	.00	125	3.6	.62	4.3	336	3.6	135	227	414
29	2.8	2.3	.00	123	---	.51	4.1	323	3.3	133	218	440
30	3.2	2.3	.00	123	---	.48	4.8	308	2.9	132	211	464
31	3.3	---	.00	123	---	.46	---	305	---	129	206	---
TOTAL	151.2	89.6	12.29	969.67	1463.54	47.83	109.15	9002.5	4737.93	2034.24	5147.22	7801
MEAN	4.88	2.99	.40	31.3	52.3	1.54	3.64	290	158	65.6	166	260
MAX	8.6	4.1	2.5	129	121	6.0	12	487	296	136	286	464
MIN	2.8	2.3	.00	.00	.01	.41	.27	4.2	.23	.13	.58	203
CAL YR 1978	TOTAL	16878.15	MEAN	46.2	MAX	287	MIN	.00				
WTR YR 1979	TOTAL	31566.17	MEAN	86.5	MAX	487	MIN	.00				

02294650 PEACE RIVER AT BARTOW, FL

DRAINAGE AREA.--390 mi² (1010 km²).

REVISED RECORDS.--WSP 1234: Drainage area. WRD FL 1970: 1969.

REMARKS.--Records fair. Since 1949, records include an appreciable amount of waste water diverted from ground-water supplies into McKinney Branch by chemical plants and phosphate mines; since July 1963, some regulation by control structure P-11 on Saddle Creek.

AVERAGE DISCHARGE.--40 years, 254 ft³/s (7.193 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,140 ft³/s (117 m³/s) Sept. 24, 1947, from rating curve extended above 2,900 ft³/s (82 m³/s); maximum gage height, 11.01 ft (3.356 m) Sept. 13, 14, 1960, present datum; minimum discharge, 1.1 ft³/s (0.031 m³/s) Apr. 27, 1968; minimum gage height, 2.47 ft (0.753 m) Apr. 25, 26, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft³/s (43.0 m³/s) Sept. 29, stage rising, peak occurred Oct. 3, 1979; maximum peak discharge, 1,280 ft³/s (36.2 m³/s) May 16, gage height, 8.37 ft (2.551 m); minimum discharge, 14.5 ft³/s (0.411 m³/s), Dec. 13, gage height, 3.12 ft (0.951 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	32	19	41	204	51	30	33	484	112	243	650
2	58	29	19	44	196	49	30	34	463	110	231	628
3	58	28	18	49	190	48	29	34	449	101	241	655
4	52	27	18	51	184	46	28	31	436	100	248	714
5	52	26	18	49	178	53	28	29	413	117	229	726
6	50	26	17	46	172	68	27	29	389	149	331	745
7	45	26	17	44	171	92	25	40	367	226	344	686
8	42	28	17	43	171	107	25	58	348	254	316	678
9	41	28	17	42	170	106	25	187	328	246	450	672
10	39	27	16	41	166	100	24	535	302	217	438	664
11	41	26	16	40	161	91	24	765	275	191	331	657
12	43	25	16	69	156	84	23	989	269	177	351	669
13	40	24	15	131	142	76	24	1100	371	189	434	678
14	41	24	16	169	76	70	24	1150	440	219	549	687
15	41	24	18	174	60	65	24	1210	437	231	423	709
16	39	23	19	152	55	59	24	1260	384	248	504	744
17	37	22	19	133	53	54	29	1240	329	275	738	769
18	35	21	19	118	51	51	28	1170	290	289	764	793
19	34	20	18	106	49	49	27	1070	248	344	751	772
20	34	21	18	97	47	47	26	951	171	368	738	746
21	32	20	18	99	45	44	26	849	149	358	714	752
22	31	20	18	102	43	42	26	761	140	351	690	910
23	30	20	18	102	42	42	25	682	145	351	684	1010
24	30	20	20	143	42	43	26	657	147	372	684	1100
25	29	20	26	233	46	42	35	661	130	378	720	1110
26	29	19	25	262	51	40	36	633	85	354	732	1200
27	31	19	23	260	52	37	32	610	75	331	720	1340
28	33	18	39	250	50	35	30	588	74	319	726	1390
29	36	17	48	236	---	33	28	561	80	300	678	1450
30	34	17	50	223	---	33	28	539	97	283	638	1490
31	33	---	46	213	---	31	---	508	---	264	644	---
TOTAL	1226	697	681	3762	3023	1788	816	18964	8315	7824	16284	25794
MEAN	39.5	23.2	22.0	121	108	57.7	27.2	612	277	252	525	860
MAX	58	32	50	262	204	107	36	1260	484	378	764	1490
MIN	29	17	15	40	42	31	23	29	74	100	229	628
CAL YR 1978	TOTAL	64454	MEAN 177	MAX 982	MIN 12							
WTR YR 1979	TOTAL	89174	MEAN 244	MAX 1490	MIN 15							

02294650 PEACE RIVER AT BARTOW, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.48	3.85	3.37	4.04	6.21	4.30	3.63	3.72	7.20	5.63	6.03	7.10
2	4.53	3.76	3.35	4.11	6.18	4.26	3.62	3.78	7.15	5.60	5.98	7.06
3	4.52	3.71	3.33	4.26	6.14	4.21	3.61	3.77	7.12	5.67	6.02	7.11
4	4.38	3.68	3.32	4.30	6.11	4.16	3.56	3.68	7.08	5.46	6.05	7.32
5	4.40	3.64	3.28	4.24	6.09	4.36	3.54	3.60	7.02	5.67	5.97	7.46
6	4.35	3.65	3.23	4.15	6.06	4.74	3.50	3.58	6.96	5.93	6.33	7.60
7	4.20	3.65	3.24	4.10	6.05	5.22	3.44	3.98	6.90	6.02	6.38	7.61
8	4.13	3.74	3.27	4.08	6.05	5.46	3.43	4.46	6.84	6.07	6.29	7.60
9	4.09	3.75	3.24	4.03	6.04	5.44	3.42	6.07	6.78	6.04	6.67	7.59
10	4.04	3.70	3.20	4.00	6.02	5.35	3.40	7.31	6.69	5.92	6.64	7.58
11	4.11	3.64	3.19	3.99	5.99	5.22	3.37	7.74	6.60	5.80	6.34	7.56
12	4.15	3.59	3.17	4.73	5.95	5.09	3.35	8.05	6.58	5.73	6.40	7.58
13	4.07	3.57	3.13	5.72	5.82	4.94	3.39	8.18	6.91	5.79	6.63	7.60
14	4.10	3.57	3.18	6.04	4.91	4.79	3.38	8.24	7.09	5.93	6.90	7.61
15	4.12	3.55	3.29	6.07	4.55	4.67	3.37	8.30	7.09	5.98	6.60	7.65
16	4.06	3.52	3.33	5.92	4.43	4.52	3.40	8.35	6.94	6.05	6.80	7.71
17	3.98	3.47	3.36	5.75	4.36	4.39	3.61	8.33	6.78	6.15	7.25	7.75
18	3.92	3.43	3.34	5.60	4.30	4.32	3.57	8.25	6.65	6.20	7.29	7.79
19	3.90	3.39	3.31	5.44	4.26	4.26	3.50	8.14	6.49	6.38	7.27	7.75
20	3.88	3.42	3.29	5.32	4.18	4.19	3.47	8.01	6.15	6.45	7.25	7.71
21	3.81	3.39	3.30	5.35	4.12	4.10	3.48	7.87	5.99	6.42	7.21	7.72
22	3.77	3.38	3.31	5.39	4.07	4.04	3.46	7.74	5.92	6.40	7.17	7.95
23	3.77	3.40	3.29	5.39	4.05	4.03	3.43	7.61	5.96	6.40	7.16	8.08
24	3.76	3.40	3.40	5.81	4.03	4.08	3.45	7.56	5.97	6.46	7.16	8.18
25	3.73	3.39	3.64	6.34	4.16	4.03	3.82	7.57	5.81	6.48	7.22	8.19
26	3.72	3.36	3.61	6.45	4.33	3.97	3.84	7.52	5.21	6.41	7.24	8.29
27	3.81	3.35	3.53	6.44	4.34	3.89	3.69	7.48	5.02	6.34	7.22	8.43
28	3.86	3.32	4.05	6.41	4.27	3.82	3.62	7.43	5.00	6.30	7.23	8.49
29	3.99	3.27	4.31	6.35	---	3.75	3.57	7.38	5.12	6.24	7.15	8.55
30	3.93	3.26	4.36	6.29	---	3.72	3.54	7.33	5.42	6.18	7.08	8.58
31	3.87	---	4.20	6.25	---	3.68	---	7.26	---	6.11	7.09	---
MEAN	4.05	3.53	3.43	5.24	5.11	4.42	3.52	6.72	6.41	6.06	6.77	7.77
MAX	4.53	3.85	4.36	6.45	6.21	5.46	3.84	8.35	7.20	6.48	7.29	8.58
MIN	3.72	3.26	3.13	3.99	4.03	3.68	3.35	3.58	5.00	5.46	5.97	7.06

PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL

LOCATION.--Lat 27°45'04", long 81°46'56", in SE¼ sec.26, T.31 S., R.25 E., Polk County, Hydrologic Unit 03100101, near right bank on downstream side of bridge on U. S. Highway 98, 0.4 mi (0.6 km) downstream from Sink Branch, 1.2 mi (1.9 km) east of U. S. Highway 17 in Fort Meade, and 92 mi (148 km) upstream from mouth.

DRAINAGE AREA.--465 mi² (1,204 km²).

PERIOD OF RECORD.--April to June 1964 (fragmentary); July 1964 to April 1967 (gage heights only); May 1967 to September 1969, February 1972 to May 1974 (gage heights and periodic discharge measurements only), incomplete; June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 10, 1974, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--5 years (water years 1975-79), 160 ft³/s (4.531 m³/s), 4.67 in/yr (119 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s (38.5 m³/s) Sept. 27, 1979, gage height, 78.12 ft (23.811 m); minimum, 1.9 ft³/s (0.054 m³/s) June 28, 1977, gage height, 69.74 ft (21.257 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft³/s (38.5 m³/s) Sept 27, gage height, 78.12 ft (23.811 m); minimum, 8.2 ft³/s (0.232 m³/s) Apr. 19, gage height, 70.17 ft (21.388 m) from minimum tape indicator.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	35	24	43	238	69	37	22	642	166	219	517
2	73	53	31	53	239	75	35	28	591	157	205	519
3	75	30	28	70	238	71	33	36	583	143	198	519
4	65	36	31	91	240	75	31	21	568	147	191	603
5	53	34	33	79	239	96	32	23	553	147	193	682
6	104	30	29	58	262	134	28	23	529	164	261	764
7	58	31	33	55	270	186	22	27	509	321	286	791
8	51	28	27	51	265	166	14	122	478	203	313	832
9	50	29	30	50	254	179	15	512	467	196	327	884
10	47	27	26	42	254	156	16	783	439	215	338	873
11	41	18	23	33	230	155	17	675	392	188	373	894
12	66	17	25	152	208	127	17	669	368	190	407	905
13	58	19	24	250	204	119	14	936	370	165	385	892
14	50	24	24	198	188	117	11	1060	392	185	386	954
15	52	20	18	175	134	104	12	1080	427	205	442	1010
16	55	17	23	166	107	87	12	1080	491	198	476	1020
17	47	17	23	157	86	88	13	1110	510	213	442	1010
18	41	14	27	153	76	74	10	1080	505	229	452	968
19	40	14	25	145	81	83	8.4	1070	433	247	527	951
20	39	14	24	194	61	88	9.4	1070	379	261	563	957
21	37	15	30	214	69	73	12	1040	358	278	592	946
22	37	11	19	212	70	77	12	975	315	277	596	991
23	36	9.6	31	208	103	68	11	939	315	298	596	1080
24	38	10	40	200	98	62	20	918	277	304	576	1120
25	39	14	39	207	75	51	28	890	265	310	593	1160
26	40	12	35	223	99	53	40	878	230	314	590	1200
27	32	16	30	205	83	49	41	872	183	285	599	1310
28	35	19	83	228	74	46	38	847	155	291	600	1340
29	48	29	95	239	---	44	39	822	194	272	587	1340
30	48	34	56	235	---	41	32	753	184	257	559	1340
31	39	---	51	234	---	39	---	693	---	232	536	---
TOTAL	1591	676.6	1037	4620	4545	2852	659.8	21054	12102	7058	13408	28372
MEAN	51.3	22.6	33.5	149	162	92.0	22.0	679	403	228	433	946
MAX	104	53	95	250	270	186	41	1110	642	321	600	1340
MIN	32	9.6	18	33	61	39	8.4	21	155	143	191	517
CFSM	.11	.05	.07	.32	.35	.20	.05	1.46	.87	.49	.93	2.03
IN.	.13	.05	.08	.37	.36	.23	.05	1.68	.97	.56	1.07	2.27

CAL YR 1978 TOTAL 78171.6 MEAN 214 MAX 877 MIN 9.6 CFSM .46 IN 6.25
WTR YR 1979 TOTAL 97975.4 MEAN 268 MAX 1340 MIN 8.4 CFSM .58 IN 7.84

NOTE.--No gage-height record Mar. 27 to Apr. 23.

PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.55	70.74	70.57	70.94	73.04	71.33	70.84	70.53	75.62	72.37	72.87	74.98
2	71.27	71.00	70.72	71.08	73.04	71.41	70.80	70.62	75.37	72.29	72.74	74.99
3	71.30	70.66	70.66	71.33	73.03	71.35	70.76	70.80	75.33	72.15	72.68	74.99
4	71.17	70.76	70.73	71.59	73.05	71.40	70.72	70.52	75.25	72.20	72.61	75.43
5	71.01	70.74	70.75	71.45	73.04	71.67	70.74	70.55	75.18	72.20	72.62	75.81
6	71.63	70.67	70.69	71.17	73.23	72.05	70.66	70.56	75.05	72.34	73.23	76.17
7	71.08	70.72	70.75	71.11	73.30	72.56	70.54	70.64	74.93	73.68	73.43	76.28
8	70.98	70.65	70.65	71.06	73.26	72.37	70.35	71.60	74.75	72.72	73.64	76.44
9	70.97	70.68	70.70	71.04	73.17	72.49	70.38	74.92	74.68	72.65	73.74	76.64
10	70.92	70.63	70.61	70.91	73.17	72.27	70.40	76.25	74.51	72.83	73.83	76.60
11	70.83	70.46	70.55	70.76	72.96	72.27	70.43	75.78	74.20	72.58	74.08	76.67
12	71.18	70.42	70.60	72.15	72.76	71.99	70.43	75.74	74.04	72.60	74.30	76.72
13	71.07	70.47	70.57	73.14	72.73	71.91	70.35	76.83	74.06	72.36	74.16	76.67
14	70.96	70.59	70.59	72.68	72.58	71.89	70.27	77.25	74.21	72.55	74.16	76.90
15	70.99	70.50	70.44	72.46	72.06	71.76	70.30	77.31	74.43	72.74	74.52	77.10
16	71.03	70.42	70.55	72.38	71.79	71.55	70.30	77.30	74.83	72.68	74.74	77.14
17	70.93	70.44	70.56	72.29	71.55	71.56	70.32	77.40	74.94	72.82	74.53	77.09
18	70.83	70.35	70.65	72.25	71.43	71.39	70.23	77.31	74.91	72.96	74.59	76.95
19	70.83	70.36	70.61	72.17	71.48	71.51	70.18	77.29	74.47	73.11	75.04	76.89
20	70.81	70.35	70.58	72.64	71.22	71.57	70.21	77.28	74.12	73.23	75.23	76.91
21	70.78	70.37	70.70	72.82	71.33	71.39	70.30	77.19	73.97	73.36	75.37	76.87
22	70.77	70.26	70.48	72.80	71.34	71.44	70.30	76.98	73.65	73.36	75.39	77.03
23	70.77	70.22	70.72	72.76	71.73	71.31	70.27	76.84	73.65	73.52	75.39	77.30
24	70.79	70.25	70.88	72.69	71.67	71.23	70.50	76.76	73.36	73.57	75.29	77.44
25	70.81	70.36	70.87	72.75	71.40	71.06	70.59	76.66	73.26	73.62	75.38	77.57
26	70.82	70.30	70.80	72.90	71.70	71.10	70.89	76.62	72.96	73.65	75.36	77.69
27	70.71	70.39	70.69	72.73	71.52	71.04	70.90	76.59	72.53	73.42	75.41	78.00
28	70.75	70.47	71.51	72.94	71.39	70.99	70.83	76.50	72.26	73.47	75.41	78.08
29	70.93	70.68	71.63	73.04	---	70.96	70.85	76.40	72.63	73.32	75.34	78.06
30	70.94	70.77	71.14	73.01	---	70.91	70.73	76.12	72.54	73.20	75.20	78.06
31	70.81	---	71.07	73.00	---	70.87	---	75.86	---	72.98	75.09	---
MEAN	70.97	70.52	70.74	72.13	72.28	71.57	70.51	75.13	74.19	72.92	74.37	76.78
MAX	71.63	71.00	71.63	73.14	73.30	72.56	70.90	77.40	75.62	73.68	75.41	78.08
MIN	70.71	70.22	70.44	70.76	71.22	70.87	70.18	70.52	72.26	72.15	72.61	74.98
CAL YR 1978	MEAN 72.61		MAX 77.07		MIN 70.22							
WTR YR 1979	MEAN 72.68		MAX 78.08		MIN 70.18							

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02295637 PEACE RIVER AT ZOLFO SPRINGS, FL

LOCATION.--Lat 27°30'15", long 81°48'04", in SE¼ sec.22, T.34 S., R.25 E., Hardee County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on U. S. Highway 17, 0.8 mi (1.3 km) north of Zolfo Springs, and 69 mi (111 km) upstream from mouth.

DRAINAGE AREA.--826 mi² (2,139 km²).

PERIOD OF RECORD.--September 1933 to current year. Prior to October 1950, published as Peace Creek at Zolfo Springs.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 30.20 ft (9.205 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1964, at present site at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 684 ft³/s (19.37 m³/s), 11.24 in/yr (286 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft³/s (745 m³/s) Sept. 6, 1933, gage height, 25.05 ft (7.635 m) present datum; minimum discharge, 22 ft³/s (0.62 m³/s) May 24, 1977; minimum gage height, 3.96 ft (1.207 m) June 6, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,650 ft³/s (132 m³/s) Sept. 30, stage rising, peak occurred Oct. 1, 1979; maximum peak discharge, 3,750 ft³/s (106 m³/s) Sept. 17, gage height, 15.82 ft (4.822 m); minimum discharge, 56 ft³/s (1.59 m³/s) Apr. 20, gage height, 4.37 ft (1.332 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	164	149	209	530	309	143	160	935	332	342	1110
2	318	175	137	232	510	287	135	148	837	290	324	1050
3	312	164	152	383	477	261	124	170	768	261	319	968
4	300	132	148	335	460	255	116	155	725	335	343	1480
5	282	135	146	336	452	295	109	126	695	362	380	1850
6	277	133	148	282	464	415	110	107	666	289	388	2170
7	284	142	153	253	480	893	99	124	626	392	489	2160
8	236	179	147	245	546	849	91	214	583	398	640	1850
9	227	178	137	279	530	751	73	718	559	327	771	1610
10	203	190	120	228	488	635	86	1170	530	324	675	1800
11	199	173	110	198	461	525	90	1390	482	328	645	1710
12	238	139	134	520	424	456	106	1470	443	318	714	1590
13	264	141	130	1380	408	407	108	1510	450	337	902	1690
14	244	151	112	1270	392	398	97	1670	431	370	825	2030
15	217	140	101	964	367	368	78	1750	441	326	738	2590
16	211	139	79	742	328	321	87	1860	494	320	790	3370
17	209	134	83	594	299	296	84	1760	534	325	780	3710
18	169	137	88	545	282	267	90	1630	534	359	696	3490
19	158	127	92	495	271	257	77	1530	504	412	706	2920
20	158	121	97	464	267	256	62	1440	422	398	799	2350
21	151	111	100	542	253	255	80	1380	396	440	816	1950
22	140	114	121	600	277	254	90	1300	383	431	817	1910
23	141	124	104	516	272	257	90	1200	653	434	837	2130
24	154	116	125	1180	439	244	81	1140	414	531	931	2320
25	156	107	197	1280	367	232	131	1200	352	516	967	2510
26	146	116	207	882	422	218	270	1230	341	498	986	2780
27	133	104	177	696	372	190	264	1170	374	481	1040	2970
28	119	103	264	649	323	165	214	1090	312	441	1060	3520
29	134	130	403	618	---	157	180	1030	488	418	1020	3890
30	167	139	316	569	---	155	168	1130	413	391	961	4430
31	164	---	237	543	---	154	---	1060	---	369	904	---
TOTAL	6465	4158	4714	18029	11161	10782	3533	32032	15785	11753	22605	69908
MEAN	209	139	152	582	399	348	118	1033	526	379	729	2330
MAX	354	190	403	1380	546	893	270	1860	935	531	1060	4430
MIN	119	103	79	198	253	154	62	107	312	261	319	968
CFSM	.25	.17	.18	.71	.48	.42	.14	1.25	.64	.46	.88	2.82
IN.	.29	.19	.21	.81	.50	.49	.16	1.44	.71	.53	1.02	3.15
CAL YR 1978	TOTAL	210085	MEAN 576	MAX 576	3240	MIN 79	CFSM .70	IN 9.46				
WTR YR 1979	TOTAL	210925	MEAN 578	MAX 578	4430	MIN 62	CFSM .70	IN 9.50				

02295637 PEACE RIVER AT ZOLFO SPRINGS, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.46	5.26	5.15	5.57	7.34	6.19	5.10	5.23	9.39	6.45	6.52	10.17
2	6.25	5.34	5.06	5.71	7.25	6.06	5.04	5.14	8.92	6.22	6.42	9.93
3	6.21	5.26	5.17	6.62	7.10	5.90	4.96	5.30	8.58	6.05	6.38	9.54
4	6.13	5.02	5.14	6.35	7.02	5.87	4.90	5.19	8.36	6.48	6.52	11.59
5	6.03	5.04	5.12	6.36	6.98	6.11	4.84	4.97	8.21	6.63	6.73	12.71
6	5.99	5.03	5.14	6.03	7.03	6.76	4.85	4.82	8.08	6.20	6.77	13.38
7	6.04	5.09	5.17	5.85	7.11	9.12	4.75	4.95	7.90	6.76	7.26	13.36
8	5.75	5.37	5.13	5.81	7.42	8.91	4.69	5.60	7.70	6.81	7.96	12.68
9	5.69	5.36	5.05	6.01	7.34	8.41	4.52	8.24	7.58	6.43	8.59	12.06
10	5.53	5.44	4.93	5.70	7.15	7.85	4.64	10.37	7.45	6.42	8.12	12.57
11	5.50	5.32	4.84	5.49	7.02	7.32	4.68	11.27	7.23	6.44	7.99	12.34
12	5.76	5.07	5.03	7.22	6.84	7.00	4.81	11.56	7.04	6.38	8.31	12.01
13	5.92	5.08	5.00	11.23	6.76	6.75	4.83	11.73	7.08	6.49	9.24	12.28
14	5.80	5.16	4.86	10.81	6.67	6.70	4.74	12.22	6.98	6.67	8.86	13.09
15	5.62	5.08	4.77	9.46	6.54	6.54	4.57	12.44	7.04	6.43	8.42	14.15
16	5.59	5.07	4.57	8.37	6.31	6.26	4.65	12.74	7.28	6.39	8.69	15.33
17	5.57	5.04	4.61	7.66	6.13	6.11	4.62	12.47	7.46	6.42	8.64	15.77
18	5.30	5.06	4.66	7.42	6.03	5.94	4.68	12.11	7.46	6.61	8.22	15.48
19	5.22	4.98	4.69	7.18	5.96	5.88	4.56	11.81	7.32	6.89	8.27	14.70
20	5.21	4.93	4.73	7.03	5.94	5.88	4.42	11.47	6.94	6.82	8.74	13.73
21	5.16	4.86	4.76	7.41	5.86	5.87	4.59	11.24	6.81	7.03	8.82	12.93
22	5.08	4.88	4.93	7.69	6.00	5.86	4.68	10.93	6.74	6.99	8.83	12.83
23	5.08	4.96	4.80	7.28	5.97	5.88	4.67	10.54	8.02	7.00	8.93	13.32
24	5.19	4.89	4.97	10.31	6.90	5.80	4.60	10.30	6.89	7.45	9.37	13.69
25	5.20	4.82	5.48	10.82	6.53	5.72	5.01	10.55	6.58	7.38	9.54	14.04
26	5.12	4.90	5.56	9.07	6.83	5.63	5.94	10.66	6.52	7.30	9.63	14.49
27	5.03	4.79	5.35	8.15	6.56	5.44	5.93	10.40	6.69	7.22	9.85	14.78
28	4.92	4.78	5.90	7.92	6.28	5.27	5.60	10.09	6.34	7.04	9.95	15.52
29	5.03	5.00	6.73	7.78	---	5.21	5.37	9.81	7.25	6.92	9.77	15.98
30	5.28	5.07	6.23	7.54	---	5.19	5.29	10.25	6.90	6.79	9.51	16.62
31	5.26	---	5.76	7.41	---	5.19	---	9.97	---	6.67	9.25	---
MEAN	5.55	5.07	5.14	7.52	6.67	6.34	4.88	9.50	7.42	6.70	8.39	13.37
MAX	6.46	5.44	6.73	11.23	7.42	9.12	5.94	12.74	9.39	7.45	9.95	16.62
MIN	4.92											

PEACE RIVER BASIN

02296223 LITTLE CHARLEY BOWLEGS CREEK NEAR SEBRING, FL

LOCATION.--Lat 27°28'40", long 81°33'25", in NW¼ sec.31, T.34 S., R.28 E., Highlands County, Hydrologic Unit 03100101, on right bank 160 ft (50 m) downstream from control structure, 900 ft (275 m) north of county road in Highlands Hammock State Park, 0.8 mi (1.3 km) upstream from unnamed creek, 7.1 mi (11.4 km) southwest of Sebring, and 7.3 mi (11.7 km) upstream from mouth.

DRAINAGE AREA.--41.9 mi² (108.5 km²).

PERIOD OF RECORD.--January 1952 to current year. Prior to October 1953, published as Little Charlie Bowlegs Creek near Sebring.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 62.32 ft (18.995 m) National Geodetic Vertical Datum of 1929. Prior to June 4, 1953, at site 180 ft (55 m) upstream at present datum.

REMARKS.--Records fair. Flow affected for short periods by operation of control structure 160 ft (50 m) upstream from station.

AVERAGE DISCHARGE.--27 years, 36.9 ft³/s (1.045 m³/s), 11.96 in/yr (304 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 874 ft³/s (24.8 m³/s) Sept. 27, 1960, gage height, 17.61 ft (5.368 m); no flow for many days in some years; creek dry at gage June 15-30, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 170 ft³/s (4.81 m³/s) Mar. 7, gage height, 15.66 ft (4.773 m); no flow Aug. 3-8; minimum gage height, 13.37 ft (4.075 m) Aug. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	4.6	2.8	9.8	64	26	3.2	.45	1.1	.88	.01	.31
2	1.8	4.3	3.3	11	59	27	1.7	.44	.86	.87	.01	1.8
3	2.0	4.0	3.1	13	53	26	1.2	.42	.60	.74	.00	8.2
4	1.8	3.7	3.2	14	49	27	1.1	.41	.52	.60	.00	16
5	2.2	3.4	3.5	15	46	37	1.1	.39	.40	.66	.00	37
6	3.0	3.3	3.4	16	42	73	1.6	.68	.30	.58	.00	47
7	1.9	6.1	3.2	17	41	108	1.5	8.6	.19	.46	.00	43
8	1.6	8.7	3.1	19	40	111	1.3	30	.11	.32	.00	36
9	1.2	6.9	3.0	19	36	111	1.2	9.1	.06	.29	.01	34
10	.78	6.2	3.0	19	33	102	1.1	14	.03	.29	.05	36
11	.48	5.7	2.9	18	30	93	.89	11	.02	.26	.11	36
12	3.3	5.2	2.9	75	27	85	.71	7.9	.01	.22	.15	34
13	12	4.7	3.0	125	24	77	.64	8.2	.01	.20	.21	37
14	17	4.4	3.0	143	21	71	.58	8.2	.01	.14	.25	42
15	23	4.1	2.9	124	18	63	.54	8.2	.01	.09	.24	58
16	25	4.0	2.9	103	16	56	.48	8.8	.01	.07	.26	69
17	25	3.8	2.9	91	14	50	.41	8.4	.05	.06	.27	66
18	24	3.5	2.8	82	12	44	.37	7.0	.08	.10	.28	62
19	24	3.2	2.7	74	10	39	.33	6.5	.06	.13	.28	61
20	24	3.1	2.5	67	8.9	34	.31	5.8	.03	.18	.26	53
21	22	3.1	2.4	65	8.0	29	.28	5.2	.02	.23	.21	55
22	18	3.1	2.3	58	5.8	25	.25	4.2	.12	.25	.16	78
23	15	2.9	2.2	53	3.1	24	.20	3.5	.30	.28	.12	81
24	12	2.7	2.4	76	2.9	30	.20	3.4	.20	.28	.12	83
25	9.4	2.6	2.7	81	9.3	23	.41	3.6	.13	.29	.09	81
26	7.6	2.3	2.6	83	18	14	.38	2.9	.11	.27	.05	103
27	6.6	2.3	2.6	86	19	7.5	.38	2.7	.27	.22	.04	112
28	5.7	2.4	2.6	85	23	7.1	.38	2.5	.71	.17	.04	125
29	5.2	2.3	7.6	90	---	6.0	.39	2.2	.84	.11	.02	121
30	4.8	2.1	8.4	75	---	5.1	.42	1.8	.93	.06	.01	117
31	4.7	---	9.1	70	---	4.2	---	1.3	---	.03	.06	---
TOTAL	307.06	118.7	108.1	1876.8	733.0	1434.9	23.55	177.79	8.09	9.33	3.31	1733.31
MEAN	9.91	3.96	3.49	60.5	26.2	46.3	.79	5.74	.27	.30	.11	57.8
MAX	25	8.7	9.1	143	64	111	3.2	30	1.1	.88	.28	125
MIN	.48	2.1	2.2	9.8	2.9	4.2	.20	.39	.01	.03	.00	.31
CFSM	.24	.10	.08	1.44	.63	1.11	.02	.14	.006	.007	.003	1.38
IN.	.27	.11	.10	1.67	.65	1.27	.02	.16	.01	.01	.00	1.54
CAL YR 1978	TOTAL	10608.65	MEAN	29.1	MAX	368	MIN	.00	CFSM	.70	IN	9.42
WTR YR 1979	TOTAL	6533.94	MEAN	17.9	MAX	143	MIN	.00	CFSM	.43	IN	5.80

PEACE RIVER BASIN

02296223 LITTLE CHARLEY BOWLEGS CREEK NEAR SEBRING, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.09	14.08	13.90	14.22	15.17	14.86	14.30	13.95	14.08	14.05	13.54	13.90
2	14.07	14.05	13.93	14.26	15.14	14.87	14.18	13.94	14.05	14.05	13.49	14.08
3	14.10	14.02	13.93	14.33	15.10	14.86	14.10	13.94	13.99	14.02	13.47	14.41
4	14.06	13.99	13.93	14.35	15.07	14.88	14.09	13.93	13.96	13.99	13.45	14.73
5	14.10	13.96	13.95	14.38	15.05	14.97	14.09	13.93	13.93	14.01	13.42	14.97
6	14.17	13.95	13.94	14.40	15.02	15.22	14.16	13.98	13.89	13.99	13.39	15.06
7	14.07	14.08	13.93	14.41	15.01	15.41	14.15	14.49	13.82	13.95	13.41	15.02
8	14.04	14.18	13.92	14.44	15.00	15.43	14.12	14.91	13.75	13.90	13.48	14.96
9	13.99	14.11	13.92	14.46	14.97	15.43	14.16	14.59	13.68	13.89	13.49	14.95
10	13.92	14.09	13.92	14.45	14.93	15.38	14.08	14.70	13.63	13.89	13.65	14.97
11	13.84	14.06	13.91	14.45	14.91	15.34	14.05	14.63	13.59	13.87	13.76	14.97
12	14.15	14.04	13.91	15.03	14.87	15.29	14.02	14.55	13.55	13.84	13.79	14.95
13	14.52	14.02	13.92	15.49	14.84	15.25	14.00	14.56	13.54	13.83	13.84	14.98
14	14.63	14.00	13.91	15.56	14.81	15.21	13.98	14.56	13.52	13.79	13.86	15.02
15	14.72	13.99	13.91	15.48	14.77	15.16	13.97	14.56	13.51	13.74	13.86	15.13
16	14.74	13.98	13.91	15.39	14.73	15.12	13.96	14.58	13.54	13.71	13.87	15.20
17	14.74	13.97	13.91	15.33	14.69	15.08	13.93	14.57	13.67	13.68	13.87	15.18
18	14.72	13.95	13.90	15.28	14.66	15.04	13.92	14.51	13.72	13.75	13.88	15.16
19	14.70	13.93	13.89	15.23	14.62	14.99	13.96	14.49	13.68	13.78	13.88	15.15
20	14.69	13.92	13.88	15.19	14.59	14.95	13.90	14.46	13.61	13.81	13.87	15.10
21	14.64	13.92	13.87	15.18	14.55	14.90	13.88	14.43	13.59	13.85	13.83	15.11
22	14.56	13.93	13.86	15.13	14.45	14.85	13.86	14.37	13.74	13.87	13.80	15.26
23	14.49	13.91	13.86	15.10	14.30	14.84	13.83	14.33	13.89	13.88	13.78	15.27
24	14.42	13.90	13.87	15.24	14.29	14.91	13.83	14.32	13.83	13.88	13.77	15.29
25	14.34	13.89	13.90	15.27	14.53	14.83	13.93	14.34	13.78	13.88	13.74	15.27
26	14.27	13.86	13.89	15.28	14.76	14.66	13.92	14.29	13.76	13.87	13.68	15.39
27	14.22	13.86	13.89	15.30	14.78	14.54	13.92	14.28	13.84	13.85	13.65	15.43
28	14.17	13.87	14.06	15.29	14.83	14.52	13.92	14.26	14.02	13.81	13.65	15.49
29	14.14	13.87	14.15	15.32	---	14.47	13.93	14.22	14.04	13.76	13.59	15.47
30	14.11	13.85	14.18	15.23	---	14.43	13.94	14.18	14.06	13.69	13.55	15.45
31	14.09	---	14.20	15.21	---	14.37	---	14.13	---	13.61	13.63	---
MEAN	14.31	13.97	13.94	14.96	14.80	14.97	14.00	14.35	13.78	13.85	13.68	15.04
MAX	14.74	14.18	14.20	15.56	15.17	15.43	14.30	14.91	14.08	14.05	13.88	15.49
MIN	13.84	13.85	13.86	14.22	14.29	14.37	13.83	13.93	13.51	13.61	13.39	13.90
CAL YR 1978	MEAN 14.60		MAX 16.06	MIN 13.51								
WTR YR 1979	MEAN 14.30		MAX 15.56	MIN 13.39								

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02296500 CHARLIE CREEK NEAR GARDNER, FL

LOCATION.--Lat 27°22'29", long 81°47'48", in SE¼ sec.3, T.36 S., R.25 E., Hardee County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on U. S. Highway 17, 1.6 mi (2.6 km) north of Gardner, and 4.9 mi (7.9 km) upstream from mouth.

DRAINAGE AREA.--330 mi² (855 km²).

PERIOD OF RECORD.--April 1950 to current year. Prior to October 1957, published as Charlie Apopka Creek near Gardner.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 21.66 ft (6.602 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 286 ft³/s (8.100 m³/s), 11.77 in/yr (299 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,160 ft³/s (231 m³/s) Aug. 1, 1960, gage height, 18.77 ft (5.721 m); minimum discharge, 0.13 ft³/s (0.004 m³/s) May 27, 1975; minimum gage height, 2.11 ft (0.643 m) June 15, 16, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 24.2 ft (7.376 m) in 1928, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,280 ft³/s (64.6 m³/s) Sept. 30, gage height, 14.59 ft (4.447 m) (backwater from Peace River); minimum discharge, 5.0 ft³/s (0.142 m³/s) Apr. 19, 20; minimum gage height, 2.11 ft (0.643 m) June 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	14	7.9	32	346	84	37	11	37	22	34	772
2	57	13	9.2	34	300	76	33	11	32	25	27	740
3	51	12	9.7	41	263	73	27	11	27	37	23	578
4	45	11	9.0	44	231	69	23	10	22	49	29	1270
5	37	11	8.4	44	208	71	20	8.5	18	65	24	1480
6	32	10	8.0	41	190	166	17	8.3	15	82	21	1380
7	27	10	8.2	40	173	485	15	11	13	96	24	1230
8	23	12	8.3	39	164	706	13	33	11	102	40	1120
9	20	13	8.0	37	152	777	11	33	10	183	30	1020
10	18	13	7.6	35	137	792	7.0	82	9.1	172	126	1000
11	18	12	7.4	32	125	751	6.8	200	8.3	143	194	1120
12	27	11	8.1	64	114	668	7.6	215	7.9	132	130	1190
13	55	11	8.4	333	104	566	8.0	231	7.6	155	79	1190
14	74	10	8.0	416	95	471	7.8	323	7.1	145	54	1200
15	70	10	7.6	388	88	394	6.4	299	6.8	153	39	1240
16	62	9.7	7.5	404	81	334	6.1	293	9.2	294	29	1350
17	51	9.4	7.3	423	76	284	6.0	300	11	253	23	1450
18	43	8.9	7.0	409	72	245	5.6	246	8.3	218	21	1510
19	37	8.6	6.8	369	67	212	5.4	201	7.6	226	216	1550
20	34	8.4	6.8	320	62	184	5.6	165	7.8	185	219	1520
21	31	8.2	6.8	285	57	158	8.4	133	8.4	184	526	1430
22	29	8.0	6.8	265	53	134	11	106	12	168	426	1370
23	27	7.8	6.8	241	50	114	8.9	84	14	155	243	1460
24	24	7.5	7.8	301	47	100	7.3	70	11	269	690	1490
25	22	7.3	10	436	50	88	12	62	13	215	644	1440
26	19	7.0	11	461	72	77	25	57	20	142	438	1510
27	18	7.1	11	536	90	68	21	52	25	101	303	1680
28	16	7.2	15	559	96	61	15	49	44	77	257	1900
29	15	7.2	31	531	---	55	12	46	35	62	220	2140
30	16	7.1	29	471	---	49	10	49	27	50	211	2250
31	15	---	30	402	---	43	---	43	---	41	403	---
TOTAL	1062	292.4	324.4	8033	3563	8355	398.9	3442.8	485.1	4201	5743	40580
MEAN	34.3	9.75	10.5	259	127	270	13.3	111	16.2	136	185	1353
MAX	74	14	31	559	346	792	37	323	44	294	690	2250
MIN	15	7.0	6.8	32	47	43	5.4	8.3	6.8	22	21	578
CFSM	.10	.03	.03	.79	.39	.82	.04	.34	.05	.41	.56	4.10
IN.	.12	.03	.04	.91	.40	.94	.04	.39	.05	.47	.65	4.57
CAL YR 1978	TOTAL	110167.6	MEAN 302	MAX 3550	MIN 6.2	CFSM .92	IN 12.42					
WTR YR 1979	TOTAL	76480.6	MEAN 210	MAX 2250	MIN 5.4	CFSM .64	IN 8.62					

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL

LOCATION.--Lat 27°13'19", long 81°52'34", in SE¼ sec.26, T.37 S., R.24 E., De Soto County, Hydrologic Unit 03100101, on left bank 500 ft (150 m) upstream from bridge on State Highway 70, 1.0 mi (1.6 km) west of post office in Arcadia, 6.1 mi (9.8 km) upstream from Joshua Creek, and 36 mi (58 km) upstream from mouth.

DRAINAGE AREA.--1,367 mi² (3,541 km²).

PERIOD OF RECORD.--April 1931 to current year. Prior to October 1950, published as Peace Creek at Arcadia.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6.00 ft (1.829 m) National Geodetic Vertical Datum of 1929. Prior to July 19, 1931, nonrecording gage and July 19, 1931, to Sept. 30, 1963, water-stage recorder at present site at datum 2.25 ft (0.686 m) higher; Mar. 20, 1964, to July 11, 1967, nonrecording gage at present site at datum 6.00 ft (1.829 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 1,164 ft³/s (32.96 m³/s), 11.56 in/yr (294 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,200 ft³/s (1,030 m³/s) Sept. 9, 1933, gage height, 19.92 ft (6.072 m), present datum; minimum, 37 ft³/s (1.05 m³/s) May 28, 1949; minimum gage height, 0.80 ft (0.244 m) May 25, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 20.6 ft (6.28 m), present datum, in 1912, from information by county engineer; discharge, 43,000 ft³/s (1,200 m³/s), from rating curve extended above 30,000 ft³/s (850 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,440 ft³/s (182 m³/s) Sept. 30, stage rising, peak occurred Oct. 3, 1979; maximum peak discharge, 2,360 ft³/s (66.8 m³/s) Aug. 25, gage height, 7.59 ft (2.31 m); minimum discharge, 85 ft³/s (2.41 m³/s) Apr. 21, gage height, 1.12 ft (0.341 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	552	182	169	297	1090	509	210	179	1250	546	463	2080
2	519	180	177	275	995	465	195	172	1150	428	417	2480
3	444	186	167	314	912	423	183	162	991	374	386	2430
4	411	180	172	453	833	388	170	169	882	358	391	2680
5	373	154	169	413	778	386	158	167	810	444	417	3330
6	342	156	162	401	742	465	146	144	766	496	485	3740
7	324	159	164	350	733	997	139	147	731	440	537	3840
8	310	184	166	323	745	1670	131	174	688	555	639	3760
9	266	221	162	309	778	1870	127	277	643	638	804	3610
10	251	210	154	326	746	1790	109	789	612	592	970	3400
11	229	212	143	287	693	1620	108	1200	584	555	1170	3390
12	269	198	137	462	650	1410	113	1490	539	518	1280	3630
13	299	169	146	1660	604	1220	116	1680	509	540	1170	3940
14	335	164	153	2010	572	1040	121	1810	505	641	1180	4100
15	324	171	136	2060	540	917	113	1970	489	760	1110	4360
16	292	168	126	1830	501	797	99	2070	495	729	981	4680
17	273	163	113	1460	452	676	97	2170	536	829	1010	4840
18	259	158	106	1220	411	591	96	2200	567	732	992	4940
19	223	156	111	1100	383	520	99	2110	567	763	1100	5020
20	204	150	114	967	365	471	96	1960	538	801	1470	5030
21	201	148	120	898	355	438	90	1820	489	792	1980	4940
22	192	139	127	934	352	413	93	1700	466	836	1970	4780
23	179	135	138	934	446	391	102	1590	493	779	1680	4480
24	174	142	137	1090	407	383	101	1470	660	812	1940	4300
25	179	136	164	1710	592	358	132	1370	503	978	2320	4220
26	180	128	214	2200	711	332	162	1350	420	894	2240	4240
27	171	133	229	2020	686	307	259	1370	436	780	1970	4760
28	161	127	240	1740	591	279	262	1350	482	695	1750	5070
29	149	123	350	1550	---	247	217	1280	495	617	1650	5480
30	159	138	461	1390	---	231	184	1250	639	560	1580	6240
31	183	---	370	1230	---	217	---	1260	---	506	1710	---
TOTAL	8427	4870	5497	32213	17663	21821	4228	36850	18935	19988	37762	123790
MEAN	272	162	177	1039	631	704	141	1189	631	645	1218	4126
MAX	552	221	461	2200	1090	1870	262	2200	1250	978	2320	6240
MIN	149	123	106	275	352	217	90	144	420	358	386	2080
CFSM	.20	.12	.13	.76	.46	.52	.10	.87	.46	.47	.89	3.02
IN.	.23	.13	.15	.88	.48	.59	.12	1.00	.52	.54	1.03	3.37

CAL YR 1978 TOTAL 364000 MEAN 997 MAX 6920 MIN 106 CFSM .73 IN 9.91
WTR YR 1979 TOTAL 332044 MEAN 910 MAX 6240 MIN 90 CFSM .67 IN 9.04

02296750 PEACE RIVER AT ARCADIA, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	1.70	1.58	2.16	4.68	2.96	1.78	1.63	5.07	3.08	2.80	7.03
2	3.11	1.69	1.62	2.07	4.42	2.81	1.71	1.60	4.82	2.68	2.64	7.83
3	2.84	1.72	1.57	2.23	4.19	2.66	1.65	1.55	4.40	2.47	2.52	7.73
4	2.72	1.68	1.60	2.77	3.96	2.53	1.59	1.58	4.10	2.41	2.54	8.19
5	2.58	1.56	1.58	2.62	3.80	2.52	1.53	1.57	3.89	2.73	2.64	9.38
6	2.45	1.56	1.55	2.58	3.69	2.81	1.47	1.45	3.77	2.91	2.87	10.05
7	2.37	1.57	1.56	2.38	3.67	4.40	1.43	1.47	3.66	2.72	3.05	10.20
8	2.32	1.70	1.57	2.27	3.70	6.10	1.39	1.61	3.53	3.10	3.38	10.09
9	2.13	1.87	1.55	2.21	3.80	6.57	1.36	2.07	3.39	3.37	3.88	9.85
10	2.06	1.82	1.51	2.28	3.71	6.38	1.27	3.82	3.29	3.23	4.35	9.50
11	1.96	1.82	1.45	2.12	3.55	5.99	1.26	4.95	3.21	3.11	4.88	9.48
12	2.13	1.75	1.42	2.20	3.41	5.48	1.29	5.68	3.06	2.99	5.16	9.89
13	2.26	1.61	1.47	6.10	3.27	4.99	1.30	6.12	2.96	3.06	4.87	10.36
14	2.41	1.59	1.50	6.89	3.17	4.54	1.33	6.44	2.94	3.38	4.91	10.60
15	2.37	1.62	1.41	6.99	3.06	4.20	1.29	6.81	2.89	3.75	4.71	10.94
16	2.22	1.60	1.36	6.48	2.93	3.86	1.21	7.03	2.91	3.65	4.38	11.36
17	2.14	1.57	1.29	5.59	2.76	3.49	1.20	7.24	3.05	3.95	4.47	11.57
18	2.08	1.55	1.25	5.01	2.61	3.23	1.19	7.30	3.15	3.66	4.41	11.69
19	1.92	1.54	1.28	4.70	2.51	2.99	1.21	7.10	3.15	3.76	4.69	11.80
20	1.83	1.51	1.30	4.34	2.44	2.83	1.19	6.79	3.06	3.87	5.61	11.81
21	1.81	1.49	1.33	4.15	2.40	2.71	1.15	6.47	2.89	3.84	6.82	11.69
22	1.76	1.44	1.37	4.25	2.39	2.62	1.17	6.18	2.81	3.97	6.81	11.50
23	1.70	1.42	1.43	4.25	2.74	2.54	1.23	5.91	2.90	3.81	6.14	11.10
24	1.68	1.46	1.42	4.68	2.60	2.51	1.22	5.63	3.44	3.90	6.72	10.86
25	1.70	1.42	1.56	6.21	3.23	2.41	1.39	5.39	2.94	4.37	7.53	10.76
26	1.70	1.37	1.80	7.29	3.60	2.31	1.55	5.32	2.65	4.13	7.38	10.79
27	1.65	1.40	1.87	6.91	3.52	2.21	2.00	5.39	2.71	3.81	6.79	11.46
28	1.60	1.36	1.92	6.27	3.22	2.09	2.01	5.32	2.87	3.55	6.29	11.86
29	1.54	1.34	2.37	5.81	---	1.95	1.81	5.14	2.91	3.31	6.06	12.35
30	1.59	1.43	2.79	5.41	---	1.87	1.65	5.07	3.38	3.13	5.89	13.21
31	1.70	---	2.46	5.03	---	1.81	---	5.10	---	2.95	6.20	---
MEAN	2.11	1.57	1.60	4.35	3.32	3.43	1.43	4.67	3.33	3.38	4.88	10.50
MAX	3.22	1.87	2.79	7.29	4.68	6.57	2.01	7.30	5.07	4.37	7.53	13.21
MIN	1.54	1.34	1.25	2.07	2.39	1.81	1.15	1.45	2.65	2.41		

PEACE RIVER BASIN

02297100 JOSHUA CREEK AT NOCATEE, FL

LOCATION.--Lat 27°09'59", long 81°52'47", in SE¼ sec.14, T.38 S., R.24 E., De Soto County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on U. S. Highway 17, 0.5 mi (0.8 km) north of Nocatee, and 2.2 mi (3.5 km) upstream from mouth.

DRAINAGE AREA.--132 mi² (342 km²).

PERIOD OF RECORD.--April 1950 to current year.

REVISED RECORDS.--WSP 1334: 1952(M). WSP 1905; Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.94 ft (1.201 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 107 ft³/s (3.030 m³/s), 11.01 in/yr (280 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,670 ft³/s (246 m³/s) Oct. 10, 1953; maximum gage height, 19.05 ft (5.806 m) Sept. 22, 1962; no flow Nov. 18-20, 22-24, 1953, May 3-12, 14, 15, 1959; minimum gage height, 3.58 ft (1.091 m) May 5, 10, 11, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1948 reached a stage of 17.7 ft (5.40 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Sept. 16	1300	2020 57.2	14.97 4.563	Sept. 30	1800	*2390 67.7	*15.57 4.746
Sept. 23	1000	1090 30.9	12.81 3.904				

Minimum discharge, 1.2 ft³/s (0.034 m³/s) June 21, gage height, 3.93 ft (1.198 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	7.2	14	43	100	57	7.6	19	74	45	29	815
2	47	6.8	35	42	80	48	6.6	17	188	33	22	615
3	75	6.7	31	46	66	39	7.2	12	166	25	18	431
4	148	6.3	21	39	56	37	12	8.9	115	20	15	556
5	100	6.0	18	34	49	90	11	6.8	77	16	13	625
6	73	5.9	15	30	43	136	9.8	5.7	52	14	16	639
7	53	9.0	13	25	44	446	9.8	11	35	15	33	527
8	38	29	11	23	54	567	8.4	21	25	23	33	398
9	28	24	9.7	21	45	463	9.4	22	19	96	32	313
10	23	22	8.6	18	37	318	11	58	13	202	98	326
11	21	19	8.0	16	31	226	10	54	8.8	261	235	314
12	19	16	8.3	108	27	173	9.9	118	6.4	216	135	415
13	17	14	7.9	314	24	134	9.7	169	6.0	173	73	550
14	16	13	7.2	358	21	107	9.9	143	7.4	163	48	1090
15	19	11	7.1	318	19	86	8.4	123	6.0	217	33	1560
16	28	9.9	7.2	232	17	69	6.4	101	4.6	493	24	1940
17	32	9.5	6.9	176	16	56	5.3	81	3.3	815	19	1540
18	28	8.5	6.7	141	15	45	5.4	67	2.4	552	35	951
19	24	8.4	6.4	114	14	37	4.9	53	2.0	410	197	639
20	21	7.8	6.1	96	14	31	3.6	38	1.7	344	275	373
21	18	7.3	5.9	96	13	26	5.1	25	1.3	272	605	191
22	15	7.4	6.9	104	14	21	7.0	18	1.6	229	396	611
23	14	7.0	8.8	89	59	19	6.4	14	3.8	214	270	1050
24	13	6.8	9.4	143	45	18	6.7	13	12	201	378	915
25	12	6.8	11	216	62	18	26	12	13	211	442	718
26	10	6.3	11	218	152	17	38	7.9	37	178	360	565
27	9.6	6.3	9.6	191	99	16	35	6.0	98	123	288	722
28	9.2	6.8	40	210	69	14	33	5.2	58	84	231	856
29	8.4	7.7	84	187	---	11	30	4.6	51	62	180	974
30	8.2	6.5	73	153	---	10	23	8.0	66	48	171	1940
31	7.8	---	54	127	---	9.2	---	17	---	36	297	---
TOTAL	941.2	308.9	561.7	3928	1285	3344.2	376.5	1259.1	1154.3	5791	5001	23159
MEAN	30.4	10.3	18.1	127	45.9	108	12.6	40.6	38.5	187	161	772
MAX	118	29	84	358	152	567	38	169	188	815	605	1940
MIN	7.8	5.9	5.9	16	13	9.2	3.6	4.6	1.3	14	13	191
CFSM	.23	.08	.14	.96	.35	.82	.10	.31	.29	1.42	1.22	5.85
IN.	.27	.09	.16	1.11	.36	.94	.11	.35	.33	1.63	1.41	6.53

CAL YR 1978	TOTAL	35454.0	MEAN	97.1	MAX	1480	MIN	1.4	CFSM	.74	IN	9.99
WTR YR 1979	TOTAL	47109.9	MEAN	129	MAX	1940	MIN	1.3	CFSM	.98	IN	13.28

PEACE RIVER BASIN

02297155 HORSE CREEK NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°29'13", long 82°01'25", in SE¼ sec.29, T.34 S., R.23 E., Hardee County, Hydrologic Unit 03100101, near right bank on downstream side of bridge on State Highway 64, 3.5 mi (5.6 km) northeast of Myakka Head, and 39.5 mi (63.6 km) upstream from mouth.

DRAINAGE AREA.--41 mi² (106 km²), approximately.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.12 ft (17.71 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 904 ft³/s (25.6 m³/s) Dec. 16, 1977, gage height, 20.58 ft (6.273 m), from high-water mark; minimum, 0.04 ft³/s (0.001 m³/s) Apr. 29, 30, May 1, 2, 3, 4, 1978, gage height, 8.74 ft (2.664 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 754 ft³/s (21.4 m³/s) Sept. 14, gage height, 19.32 ft (5.889 m); minimum, 0.42 ft³/s (0.012 m³/s) part or all of each day Nov. 6, 7, Nov. 27 to Dec. 1, Dec. 20, Apr. 12-14, May 5-7, gage height, 8.85 ft (2.697 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	.86	1.1	6.6	27	9.4	1.3	.60	1.7	8.6	5.7	64
2	22	.72	2.5	29	23	8.1	1.2	.63	2.5	4.4	3.9	51
3	12	.68	1.9	41	20	6.8	1.1	.62	1.6	3.0	2.8	47
4	8.0	.60	1.3	19	18	6.0	.98	.51	1.2	2.4	2.8	100
5	9.9	.52	1.0	15	17	6.4	.90	.45	1.1	2.1	3.2	94
6	7.7	.46	.81	13	16	53	.80	35	1.0	1.9	3.0	83
7	4.4	1.8	.66	11	17	114	.73	.89	.86	1.8	2.7	70
8	2.2	14	.59	10	22	99	.65	1.2	.81	2.2	2.9	56
9	1.1	11	.55	11	20	87	.65	1.6	.82	9.0	3.8	209
10	.51	6.4	.58	9.4	17	65	.73	1.5	.81	9.9	14	316
11	3.9	3.6	.58	7.9	16	48	.64	1.2	.76	6.7	75	110
12	55	2.2	.74	204	14	37	.51	3.4	.76	4.2	108	122
13	22	1.5	.78	517	12	29	.48	5.3	.96	11	148	336
14	18	1.2	.74	226	11	23	.45	33	1.0	93	89	556
15	18	1.0	.66	125	10	19	.61	62	.85	33	63	467
16	13	1.0	.59	81	9.2	15	.73	21	.93	20	93	343
17	9.2	1.0	.58	55	8.8	11	.69	9.7	.82	13	73	270
18	6.4	.94	.57	41	8.5	9.2	.77	4.9	.75	10	76	193
19	4.1	.81	.53	31	8.1	7.4	.73	3.0	.64	19	57	143
20	3.0	.68	.50	25	7.1	5.9	.80	2.1	.61	14	50	110
21	2.1	.65	.48	39	6.5	4.9	1.1	1.5	.60	22	54	105
22	1.5	.59	.51	42	6.5	4.3	.98	1.2	11	14	41	461
23	1.2	.55	.56	33	6.8	4.0	.78	1.1	81	35	87	243
24	1.1	.55	1.6	243	8.3	4.1	.88	.96	14	218	162	217
25	.88	.55	9.0	121	14	3.8	1.9	1.1	6.3	112	209	174
26	.73	.58	4.9	87	21	3.1	1.4	1.0	3.7	60	141	144
27	.64	.47	2.7	64	15	2.5	.94	.78	20	40	97	247
28	.64	.43	16	53	11	2.2	.72	.66	42	28	85	416
29	.64	.43	17	41	---	1.9	.59	.64	45	19	71	443
30	1.2	.45	11	32	---	1.6	.48	.92	19	14	61	440
31	1.0	---	7.6	28	---	1.4	---	1.4	---	8.7	59	---
TOTAL	256.04	56.22	88.61	2260.9	390.8	693.0	25.22	199.86	263.08	839.9	1943.8	6630
MEAN	8.26	1.87	2.86	72.9	14.0	22.4	.84	6.45	8.77	27.1	62.7	221
MAX	55	14	17	517	27	114	1.9	62	81	218	209	556
MIN	.51	.43	.48	6.6	6.5	1.4	.45	.45	.60	1.8	2.7	47
CFSM	.20	.05	.07	1.78	.34	.55	.02	.16	.21	.66	1.53	5.39
IN.	.23	.05	.08	2.05	.35	.63	.02	.18	.24	.76	1.76	6.02
CAL YR 1978	TOTAL	9061.07	MEAN	24.8	MAX	471	MIN	.04	CFSM	.61	IN	8.22
WTR YR 1979	TOTAL	13647.43	MEAN	37.4	MAX	556	MIN	.43	CFSM	.91	IN	12.38

PEACE RIVER BASIN

02297310 HORSE CREEK NEAR ARCADIA, FL

LOCATION.--Lat 27°11'57", long 81°59'19", in NW¼ sec.2, T.38 S., R.23 E., De Soto County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on State Highway 72, 7.9 mi (12.7 km) west of Arcadia, and 10 mi (16 km) upstream from mouth.

DRAINAGE AREA.--218 mi² (565 km²).

PERIOD OF RECORD.--April 1950 to current year.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 10.96 ft (3.341 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation benchmark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 197 ft³/s (5.579 m³/s), 12.27 in/yr (312 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft³/s (331 m³/s) Aug. 1, 1960, gage height, 17.94 ft (5.468 m); no flow June 7-9, 15, 25-30, July 2, Aug. 7, 1956, Feb. 16-18, 1957, May 2-6, 1975; minimum gage height, 0.54 ft (0.165 m) June 27, 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,920 ft³/s (54.4 m³/s) Sept. 30, stage rising, peak occurred Oct. 1, 1979; maximum peak discharge, 1,780 ft³/s (50.4 m³/s) Sept. 17, gage height, 13.47 ft (4.11 m), from maximum stage indicator, no other peak above base of 1,500 ft³/s (42 m³/s); minimum discharge, 3.5 ft³/s (0.099 m³/s) May 6, 7, gage height, 0.98 ft (0.299 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	13	6.7	30	334	94	17	4.9	33	65	148	800
2	117	12	9.4	29	261	88	16	4.8	54	70	121	868
3	79	11	7.5	36	210	82	15	4.6	38	76	98	823
4	100	9.7	7.2	41	176	75	14	4.4	28	81	102	762
5	107	8.8	6.6	44	153	70	13	4.4	22	82	119	756
6	85	8.1	5.9	50	133	81	12	3.8	18	80	149	663
7	63	7.9	5.4	57	121	178	11	5.8	16	65	282	578
8	51	9.1	5.1	64	120	167	10	11	13	56	273	490
9	41	9.4	4.7	66	110	162	9.5	13	12	230	186	396
10	34	10	4.4	62	98	145	6.7	13	10	176	152	350
11	29	9.6	4.3	55	89	145	7.9	9.8	9.2	131	198	369
12	26	8.7	4.3	160	81	156	7.7	6.8	8.2	113	203	478
13	23	8.0	4.4	360	74	160	7.0	6.2	8.4	176	164	634
14	23	7.5	4.3	416	69	154	6.0	10	11	156	138	825
15	25	7.2	4.3	429	64	138	5.6	29	8.9	314	128	1140
16	23	6.9	4.1	565	60	118	5.4	75	7.2	166	139	1520
17	22	6.8	3.9	706	56	100	5.2	102	6.8	123	161	1740
18	22	6.4	3.8	684	52	85	5.1	134	5.8	110	175	1700
19	22	5.9	3.9	554	48	72	4.8	162	5.1	132	199	1520
20	21	5.7	3.8	420	44	62	4.3	171	4.6	156	246	1250
21	20	5.8	3.8	340	41	53	4.4	157	4.8	151	468	990
22	19	5.5	3.9	285	41	46	4.3	126	5.1	140	602	877
23	18	5.3	4.0	230	53	41	4.2	98	5.8	152	551	807
24	16	5.1	5.4	248	47	37	4.8	75	9.8	148	535	712
25	15	4.8	10	305	79	33	5.1	58	7.2	201	661	678
26	14	4.8	18	380	170	30	7.4	44	5.1	150	718	754
27	13	4.7	17	522	142	27	10	34	11	131	689	1100
28	12	4.5	27	682	110	25	10	27	40	144	678	1350
29	12	4.4	38	675	---	22	9.2	22	55	166	680	1270
30	15	4.3	41	558	---	20	7.0	22	62	174	699	1610
31	13	---	34	435	---	19	---	28	---	167	740	---
TOTAL	1245	220.9	306.1	9488	3036	2685	251.6	1466.5	525.0	4282	10402	27810
MEAN	40.2	7.36	9.87	306	108	86.6	8.39	47.3	17.5	138	336	927
MAX	165	13	41	706	334	178	17	171	62	314	740	1740
MIN	12	4.3	3.8	29	41	19	4.2	3.8	4.6	56	98	350
CF5M	.18	.03	.05	1.40	.50	.40	.04	.22	.08	.63	1.54	4.25
IN.	.21	.04	.05	1.62	.52	.46	.04	.25	.09	.73	1.78	4.75
CAL YR 1978	TOTAL	58475.30	MEAN 160	MAX 2250	MIN .76	CF5M .73	IN 9.98					
WTR YR 1979	TOTAL	61718.10	MEAN 169	MAX 1740	MIN 3.8	CF5M .78	IN 10.53					

PEACE RIVER BASIN

02297733 MOSSY GULLY TRIBUTARY AT STATE HIGHWAY 70 NEAR ARCADIA, FL

LOCATION.--Lat 27°12'31", long 81°40'41", in NE¼ sec.2, T.38 S., R.26 E., De Soto County, Hydrologic Unit 03100101, near center of span on downstream side of box culverts on State Highway 70, 9.5 mi (15.3 km) east of State Highway 31, and 11.2 mi (18.0 km) east of Arcadia.

DRAINAGE AREA.--6.64 mi² (17.20 km²).

PERIOD OF RECORD.--October 1972 to current year (gage heights and discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Water-stage recorder. Datum of gage has not been determined.

REMARKS.--Water level affected by pumpage from Tropical River Groves, upstream from gage. Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 489 ft³/s (13.8 m³/s) June 28, 1974; maximum gage height, 17.81 ft (5.428 m) June 28, 1974; minimum discharge measured, 0.49 ft³/s (0.014 m³/s) Mar. 29, 1975; minimum gage height, 9.80 ft (2.987 m), estimated, Oct. 25, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.78 ft (5.419 m) Sept. 30, stage rising, peak occurred on Oct. 1, 1979; minimum, 10.32 ft (3.146 m) Apr. 22.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)
OCT				MAY			
03...	1645	16	31.0	23...	1225	--	28.0
24...	1435	--	27.0	JUN			
NOV				07...	1139	4.9	--
30...	1130	1.9	23.5	JUL			
DEC				31...	1720	6.2	34.0
01...	1715	28	16.0				
APR							
03...	1730	2.8	28.0				

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.50	10.95	10.98	12.31	11.97	10.95	10.50	11.70	11.01	12.27	11.65	14.36
2	12.02	10.95	10.98	12.13	11.85	10.83	10.50	11.57	11.50	11.96	11.61	13.96
3	11.43	10.85	10.95	12.67	11.83	10.68	10.50	11.36	11.19	11.70	11.59	14.25
4	11.03	10.80	10.93	12.67	11.71	10.71	10.48	11.23	11.09	11.57	11.57	17.04
5	11.00	10.77	10.92	11.89	11.64	11.17	10.48	11.26	11.01	11.43	11.56	16.48
6	10.93	10.77	10.91	11.52	11.40	13.12	10.48	11.24	10.96	11.27	11.58	15.48
7	10.78	10.94	10.90	11.48	11.14	15.92	10.46	11.68	10.91	11.19	11.66	14.57
8	10.73	11.09	10.98	11.42	11.20	15.12	10.45	12.94	10.88	11.22	11.88	13.86
9	10.71	11.09	11.16	11.27	11.18	14.39	10.44	13.39	10.85	11.33	12.20	13.53
10	10.70	11.10	10.99	11.12	11.16	13.54	10.43	14.72	10.83	11.26	12.41	13.95
11	10.76	11.14	10.91	11.06	11.12	12.93	10.44	14.25	10.80	11.24	12.59	13.78
12	12.47	11.22	10.88	13.80	11.08	12.01	10.46	13.35	10.82	11.25	12.50	13.83
13	12.15	11.25	10.86	16.74	11.03	11.02	10.44	12.73	10.84	11.32	12.41	14.55
14	11.90	11.23	10.85	15.88	10.97	11.16	10.43	12.68	10.84	12.13	12.31	15.87
15	11.72	11.18	10.83	14.90	10.93	11.22	10.43	12.47	10.83	14.97	12.19	16.80
16	11.35	11.14	10.82	14.39	10.90	11.16	10.44	12.11	10.83	13.96	12.08	16.64
17	11.54	11.11	10.82	13.57	10.88	11.08	10.43	11.89	10.81	13.43	11.98	15.66
18	11.40	11.07	10.81	13.16	10.85	11.02	10.41	11.74	10.81	14.27	11.98	14.67
19	10.89	11.04	10.80	12.81	10.83	10.97	10.40	11.54	10.78	13.73	12.33	13.89
20	10.85	11.01	10.80	12.50	10.82	10.90	10.93	11.39	10.76	13.28	12.50	13.20
21	10.84	10.98	10.81	12.96	10.78	10.80	10.39	11.29	10.82	13.28	14.18	13.28
22	10.82	10.95	10.84	12.43	10.73	10.74	10.35	11.20	11.92	12.87	14.08	15.59
23	10.80	10.93	10.82	11.52	10.74	10.74	10.70	11.24	14.22	12.62	13.57	15.67
24	10.85	10.92	10.82	13.05	10.72	10.82	10.75	11.17	13.39	12.87	13.51	15.13
25	10.78	10.91	10.84	13.95	10.86	10.82	13.03	11.34	12.61	12.87	13.80	14.62
26	10.80	10.91	10.83	13.68	11.08	10.79	13.14	11.21	12.27	12.61	13.71	14.35
27	10.79	10.90	11.06	13.24	11.05	10.70	12.78	11.10	12.70	12.38	13.42	14.97
28	10.78	10.89	12.46	13.41	11.05	10.58	12.40	11.00	13.12	12.19	13.10	15.70
29	10.79	10.89	14.11	13.15	---	10.53	11.78	10.97	12.97	12.05	12.89	15.65
30	10.79	10.86	14.36	12.85	---	10.51	11.59	11.00	12.64	11.94	13.12	16.97
31	10.79	---	13.02	12.49	---	10.50	---	10.98	---	11.79	14.35	---
MEAN	11.12	10.99	11.23	12.90	11.13	11.53	10.88	11.86	11.50	12.33	12.59	14.94
MAX	12.47	11.25	14.36	16.74	11.97	15.92	13.14	14.72	14.22	14.97	14.35	17.04
MIN	10.70	10.77	10.80	11.06	10.72	10.50	10.35	10.97	10.76	11.19	11.56	13.20

CAL YR 1978 MEAN 11.65 MAX 16.31 MIN 10.50
WTR YR 1979 MEAN 11.92 MAX 17.04 MIN 10.35

PEACE RIVER BASIN

02298123 PRAIRIE CREEK NEAR FORT OGDEN, FL

LOCATION.--Lat 27°03'06", long 81°47'05", in SE¼ sec.26, T.39 S., R.25 E., De Soto County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on State Highway 31, 0.4 mi (0.6 km) downstream from Myrtle Slough, and 10.6 mi (17.1 km) east of Fort Ogden.

DRAINAGE AREA.--233 mi² (603 km²).

PERIOD OF RECORD.--October 1963 to September 1968; October 1969 to September 1977 (gage heights and discharge measurements only); October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.00 ft (7.620 m) National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--7 years (water years 1964-68, 1978-79), 179 ft³/s (5.069 m³/s).

EXTREMES FOR PERIOD OF RECORD.--1963-79: Maximum gage height, 13.30 ft (4.054 m) July 6, 1974; minimum, 2.70 ft (0.823 m) May 27, 28, 1964.

EXTREMES FOR PERIOD OF RECORD.--1963-68, 1977-79: Maximum discharge, 2,960 ft³/s (83.8 m³/s) Sept. 30, 1979, stage rising, peak occurred Oct. 1, 1979; no flow June 3-7, 1965.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 1974 had a discharge of 2,950 ft³/s (83.5 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,960 ft³/s (83.8 m³/s) Sept. 30, stage rising, peak occurred Oct. 1, 1979; maximum peak discharge, 2,560 ft³/s (72.5 m³/s) Sept. 16, gage height, 12.54 ft (3.822 m); minimum discharge, 4.2 ft³/s (0.12 m³/s) Apr. 23; minimum gage height, 3.69 ft (1.125 m) Nov. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	13	13	125	469	100	31	31	15	60	71	563
2	34	13	35	127	419	85	27	28	86	72	55	536
3	78	13	34	153	367	72	24	25	224	62	62	477
4	99	12	31	152	323	68	22	23	178	60	92	695
5	98	11	28	154	290	131	22	20	125	60	86	890
6	80	8.7	25	145	262	314	18	23	88	37	64	871
7	62	11	26	139	240	620	16	27	66	24	62	776
8	49	33	24	127	232	716	14	48	46	16	103	699
9	41	31	19	113	201	716	12	58	34	66	225	675
10	36	25	21	99	172	723	13	114	25	82	180	705
11	33	22	20	86	150	723	12	155	18	59	136	685
12	31	19	23	254	134	705	9.1	164	17	39	118	784
13	32	18	21	646	120	665	7.3	170	41	37	111	976
14	32	14	18	836	108	598	6.3	166	52	128	104	1500
15	37	14	15	851	97	502	15	147	37	266	78	2220
16	36	13	13	875	88	379	8.5	123	25	504	64	2440
17	34	11	12	875	81	272	8.3	101	18	665	50	2150
18	30	11	11	863	75	216	6.4	91	15	544	51	1940
19	27	10	10	840	68	177	5.8	75	12	433	39	1830
20	25	10	9.5	798	62	148	6.2	59	8.1	346	52	1750
21	24	9.6	8.9	769	56	131	7.6	46	6.6	315	108	1750
22	21	8.9	9.9	744	52	111	6.3	39	11	299	139	2250
23	20	8.5	9.1	692	48	101	4.9	30	14	285	296	2430
24	18	8.0	9.6	658	48	91	5.1	24	13	276	479	2540
25	17	7.6	12	639	69	81	34	25	15	266	489	2450
26	16	7.1	12	583	191	72	31	22	15	220	408	2300
27	15	7.7	12	547	161	62	52	18	42	180	330	2360
28	13	7.7	29	614	123	55	31	16	43	145	262	2360
29	13	7.5	87	633	---	46	28	11	49	117	205	2300
30	14	7.5	95	583	---	40	29	17	51	98	210	2480
31	14	---	113	520	---	36	---	17	---	85	369	---
TOTAL	1109	392.8	806.0	15240	4706	8756	512.8	1913	1389.7	5846	5098	46382
MEAN	35.8	13.1	26.0	492	168	282	17.1	61.7	46.3	189	164	1546
MAX	99	33	113	875	469	723	52	170	224	665	489	2540
MIN	13	7.1	8.9	86	48	36	4.9	11	6.6	16	39	477
CFSM	.15	.06	.11	2.11	.72	1.21	.07	.27	.20	.81	.70	6.64
IN.	.18	.06	.13	2.43	.75	1.40	.08	.31	.22	.93	.81	7.41
CAL YR 1978	TOTAL	54884.5	MEAN	150	MAX	1140	MIN	7.1	CFSM	.64	IN	8.76
WTR YR 1979	TOTAL	92151.3	MEAN	252	MAX	2540	MIN	4.9	CFSM	1.08	IN	14.71

PEACE RIVER BASIN

02298202 SHELL CREEK NEAR PUNTA GORDA, FL

LOCATION.--Lat 26°59'04", long 81°56'09", in NW¼ sec.20, T.40 S., R.24 E., Charlotte County, Hydrologic Unit 03100101, near left bank, 60 ft (18 m) upstream from dam, 1.0 mi (1.6 km) upstream from Myrtle Slough, 6.0 mi (9.6 km) upstream from mouth, and 7.7 mi (12.4 km) northeast of Punta Gorda.

DRAINAGE AREA.--373 mi² (966 km²).

PERIOD OF RECORD.--January 1965 to current year.

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

REMARKS.--Records fair. Flow regulated by concrete dam. Aquatic growth accumulated on dam and restricted flow for many days. Capacity of reservoir insufficient to affect monthly figures of runoff. Diversion by city of Punta Gorda for water supply shown in monthly table.

AVERAGE DISCHARGE.--14 years, 329 ft³/s (9.317 m³/s), 11.98 in/yr (304 mm/yr), adjusted for diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,110 ft³/s (173 m³/s) June 28, 1974, gage height 7.30 ft (2.225 m); no flow at times most years; minimum daily gage height, 2.51 ft (0.765 m), estimated, Jan. 1, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,320 ft³/s (122 m³/s) Sept. 23, gage height, 6.85 ft (2.088 m); minimum discharge, 4.1 ft³/s (0.12 m³/s) June 22; minimum gage height, 5.00 ft (1.524 m) Apr. 18, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	234	35	86	196	593	192	62	102	94	96	141	1840
2	239	32	137	315	497	226	67	101	161	86	117	1570
3	325	29	195	276	417	198	59	100	190	136	89	1110
4	405	22	219	241	349	164	49	109	223	180	96	1210
5	345	18	185	178	307	277	41	94	201	184	115	1280
6	288	18	180	166	279	373	41	71	126	170	176	1220
7	210	60	172	199	258	778	35	126	112	152	201	1120
8	146	108	133	275	248	977	29	135	146	201	236	969
9	118	123	117	243	231	987	34	126	104	502	637	884
10	110	114	94	207	205	927	36	160	62	488	685	1030
11	96	94	86	133	175	883	35	180	42	423	565	1020
12	86	79	89	404	161	855	29	190	49	351	434	1140
13	91	69	96	1030	138	802	24	201	106	345	320	1440
14	154	62	98	1140	131	717	22	256	103	379	250	2690
15	172	50	90	1130	124	629	18	245	97	639	191	3410
16	132	46	81	1080	128	510	24	180	77	694	146	3430
17	117	39	72	1040	126	376	21	135	57	924	113	3210
18	108	30	61	993	127	288	14	126	35	941	91	2770
19	99	29	50	956	133	248	13	109	27	818	108	2320
20	94	29	47	927	114	219	18	101	20	594	245	2020
21	89	25	47	904	83	182	35	86	14	458	357	1890
22	86	18	65	875	77	168	53	73	18	420	391	3410
23	59	20	70	814	93	157	59	71	72	410	967	4260
24	43	21	80	808	123	135	78	69	79	391	1190	3990
25	40	22	71	820	184	111	170	53	85	395	1330	3650
26	33	22	47	737	296	105	117	49	101	348	905	3340
27	29	20	50	736	302	100	86	47	156	275	665	3260
28	31	28	75	1020	217	108	71	45	143	240	535	3190
29	35	36	146	939	---	78	58	40	103	201	447	3420
30	32	39	164	831	---	59	60	42	103	172	501	3660
31	32	---	158	708	---	56	---	59	---	153	950	---
TOTAL	4076	1337	3261	20321	6116	11885	1458	3481	2906	11766	13194	69753
MEAN	131	44.6	105	656	218	383	48.6	112	96.9	380	426	2325
MAX	405	123	219	1140	593	987	170	256	223	941	1330	4260
MIN	29	18	47	133	77	56	13	40	14	86	89	884
(†)	+3.2	+3.4	+2.9	+2.5	+3.1	+3.6	+4.4	+2.7	+3.3	+3.0	+3.6	+2.1

ADJUSTED FOR DIVERSION BY CITY OF PUNTA GORDA

MEAN	134	48.0	108	658	221	387	53.0	115	100	383	430	2327
CFSM	.36	.13	.29	1.76	.59	1.04	.14	.31	.27	1.03	1.15	6.24
IN	.41	.14	.33	2.03	.62	1.19	.16	.36	.30	1.17	1.33	6.96

OBSERVED

ADJUSTED

CAL YR 1978	TOTAL	98,992	MEAN	271	MAX	1390	MIN	18	MEAN	274	CFSM	.73	IN	9.98
WTR YR 1979	TOTAL	149,560	MEAN	410	MAX	4260	MIN	13	MEAN	414	CFSM	1.11	IN	15.05

† Diversion, in cubic feet per second, by city of Punta Gorda, furnished by city of Punta Gorda Water Department.

MYAKKA RIVER BASIN

02298608 MYAKKA RIVER AT MYAKKA CITY, FL

LOCATION.--Lat 27°20'36", long 82°09'25", in SE¼ sec.13, T.36 S., R.21 E., Manatee County, Hydrologic Unit 03100102, near left bank on downstream side of bridge on State Highway 70, 0.3 mi (0.5 km) southeast of Myakka City, and 56 mi (90 km) upstream from mouth.

DRAINAGE AREA.--125 mi² (324 km²).

PERIOD OF RECORD.--February 1963 to September 1966; October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 24.45 ft (7.452 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to September 1966, at site 1,100 ft (340 m) upstream at datum 0.64 ft (0.195 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years (water years 1964-66, 1978-79), 132 ft³/s (3.74 m³/s), 14.34 in/yr (364 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft³/s (87.8 m³/s) Sept. 23, 1963, gage height, 14.48 ft (4.441 m), present datum; no flow for many days in some years; minimum gage height, 2.50 ft (0.762 m) May 25, 26, 27, 28, 31, June 1, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 21, 1962, reached a stage of 17.2 ft (5.24 m), present datum, from information by local resident, discharge, 7,190 ft³/s (204 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,150 ft³/s (60.9 m³/s) Sept. 30, gage height, 12.31 ft (3.752 m); minimum, 0.12 ft³/s (0.003 m³/s) Apr. 23, 24, May 6, gage height, 2.62 ft (0.798 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	328	8.7	9.0	18	197	143	9.2	.68	3.4	288	25	487
2	214	7.8	15	40	156	117	8.2	.57	3.4	282	18	627
3	127	7.0	14	90	127	93	7.5	.33	3.5	196	14	682
4	92	6.4	14	61	107	76	6.8	.22	3.2	122	12	606
5	93	5.8	12	43	94	66	6.4	.18	6.0	78	13	536
6	77	5.3	11	30	82	65	5.7	.14	7.0	56	19	420
7	61	6.1	9.4	26	78	103	4.8	1.3	6.3	40	49	429
8	48	12	8.8	27	80	106	4.0	4.2	4.9	31	82	382
9	39	12	8.0	29	70	138	3.6	4.4	3.7	63	58	292
10	33	12	7.3	25	62	151	3.5	3.7	2.6	117	43	253
11	28	11	6.8	23	57	137	3.3	3.3	1.4	144	70	520
12	25	10	6.4	180	53	113	2.9	3.1	6.6	178	191	849
13	25	9.8	6.0	510	49	91	2.4	5.5	97	228	381	877
14	24	9.7	5.5	300	45	77	2.0	26	58	175	453	1090
15	23	9.7	5.0	150	42	64	1.8	124	35	239	411	1700
16	19	9.6	4.7	90	40	53	1.5	127	35	212	328	1780
17	18	9.4	4.4	70	38	45	.94	107	33	179	266	1350
18	18	9.1	4.1	54	36	40	.46	91	28	179	279	959
19	19	8.5	3.8	44	34	37	.30	67	22	274	286	688
20	19	8.3	3.5	37	32	33	.20	49	17	260	232	492
21	19	7.9	3.4	49	30	31	.16	37	13	195	169	365
22	17	7.6	3.4	63	29	27	.15	29	12	163	135	664
23	16	7.3	3.3	54	30	24	.15	23	97	157	121	948
24	15	7.1	5.4	350	35	23	.19	18	94	141	125	1040
25	13	6.7	16	560	48	21	2.6	16	50	131	159	887
26	12	6.2	13	550	107	17	4.5	13	43	147	280	721
27	11	6.0	11	500	151	15	2.3	9.4	42	91	332	690
28	10	6.0	23	450	160	14	1.2	7.3	43	66	304	745
29	9.6	6.1	34	350	---	12	.75	5.9	46	52	262	1120
30	10	6.2	32	297	---	11	.53	5.0	88	41	399	1870
31	9.7	---	24	239	---	10	---	4.1	---	33	465	---
TOTAL	1472.3	245.3	327.2	5309	2069	1953	88.03	786.32	905.0	4558	5981	24069
MEAN	47.5	8.18	10.6	171	73.9	63.0	2.93	25.4	30.2	147	193	802
MAX	328	12	34	560	197	151	9.2	127	97	288	465	1870
MIN	9.6	5.3	3.3	18	29	10	.15	.14	1.4	31	12	253
CFSM	.38	.07	.09	1.37	.59	.50	.02	.20	.24	1.18	1.54	6.42
IN.	.44	.07	.10	1.58	.62	.58	.03	.23	.27	1.36	1.78	7.16
CAL YR 1978	TOTAL	43343.92	MEAN 119	MAX 1550	MIN .02	CFSM .95	IN 12.90					
WTR YR 1979	TOTAL	47763.15	MEAN 131	MAX 1870	MIN .14	CFSM 1.05	IN 14.21					

MYAKKA RIVER BASIN

02298830 MYAKKA RIVER NEAR SARASOTA, FL

LOCATION.--Lat 27°14'25", long 82°18'50", in SW¼ sec.21, T.37 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, on right bank, 0.5 mi (0.8 km) upstream from bridge on State Highway 72, 1.9 mi (3.1 km) upstream from Lower Myakka Lake, 14 mi (23 km) southeast of Sarasota, and 36 mi (58 km) upstream from mouth.

DRAINAGE AREA.--229 mi² (593 km²).

PERIOD OF RECORD.--August 1936 to current year.

REVISED RECORDS.--WSP 1234: Drainage area. WDR FL-75-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7.92 ft (2.414 m) National Geodetic Vertical Datum of 1929 (National Park Service bench mark). Prior to Apr. 10, 1941, nonrecording gage at site 0.5 mi (0.8 km) downstream at present datum; Apr. 10, 1941, to June 28, 1961, nonrecording gage at present site and datum.

REMARKS.--Records poor. Records include flow from Vanderipe Slough at extreme high stages.

AVERAGE DISCHARGE.--43 years, 252 ft³/s (7.137 m³/s), 14.94 in/yr (379 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,670 ft³/s (246 m³/s) Aug. 1, 1960; maximum gage height, 11.60 ft (3.536 m) Sept. 23, 1962; no flow for many days in some years; minimum gage height observed, -1.40 ft (-0.427 m) June 11, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,120 ft³/s (60.0 m³/s) Sept. 30, stage rising, peak occurred Oct. 2, 1979; maximum peak discharge, 836 ft³/s (23.7 m³/s) Jan. 17, gage height, 7.30 ft (2.225 m); minimum discharge, 13 ft³/s (0.37 m³/s) Nov. 29, 30, Dec 1, 21, 22, 23; minimum gage height, 3.34 ft (1.018 m) Dec. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	29	14	26	560	211	141	84	92	35	115	336
2	233	27	16	30	489	218	139	84	88	35	96	364
3	237	25	17	35	425	217	135	84	85	37	81	390
4	235	23	17	40	371	210	133	82	80	39	74	417
5	224	21	17	47	326	202	131	81	70	44	65	442
6	211	20	18	55	288	201	128	80	63	51	58	463
7	194	20	18	65	261	203	128	84	58	62	53	476
8	176	21	18	76	238	202	124	93	54	68	50	467
9	159	21	18	85	214	205	122	98	52	71	49	454
10	142	20	18	90	196	207	120	98	48	71	47	446
11	126	19	18	93	179	210	117	100	44	71	49	434
12	112	19	18	107	163	213	115	100	42	69	51	442
13	100	18	17	174	148	211	112	96	43	77	49	472
14	96	18	17	354	137	207	110	95	41	90	50	590
15	92	18	16	605	126	204	109	96	40	107	70	791
16	85	18	16	784	117	199	107	104	40	131	115	991
17	77	17	15	825	110	196	104	107	41	168	164	1200
18	71	17	15	752	104	188	101	115	41	196	203	1330
19	65	17	14	650	96	184	98	126	40	211	226	1320
20	60	16	14	559	90	179	95	133	40	207	241	1200
21	55	16	13	504	82	174	93	135	36	214	244	1100
22	51	16	13	455	77	172	90	133	36	219	249	1490
23	46	16	13	406	80	168	88	131	41	218	258	1810
24	42	15	14	389	95	163	88	128	39	213	268	1830
25	40	15	16	422	112	161	95	124	37	208	262	1780
26	37	15	17	520	141	157	95	120	38	197	254	1810
27	35	14	18	605	172	157	92	114	39	187	248	1880
28	32	14	23	682	196	152	90	109	37	178	247	1860
29	33	13	24	705	---	150	85	104	37	165	251	1920
30	32	13	25	694	---	146	85	100	37	151	267	2040
31	31	---	26	632	---	144	---	96	---	135	297	---
TOTAL	3378	551	533	11466	5593	5811	3270	3234	1479	3925	4751	30545
MEAN	109	18.4	17.2	370	200	187	109	104	49.3	127	153	1018
MAX	249	29	26	825	560	218	141	135	92	219	297	2040
MIN	31	13	13	26	77	144	85	80	36	35	47	336
CFSM	.48	.08	.08	1.62	.87	.82	.48	.45	.22	.56	.67	4.45
IN.	.55	.09	.09	1.86	.91	.94	.53	.53	.24	.64	.77	4.96
CAL YR 1978	TOTAL	85825.72	MEAN 235	MAX 1530	MIN .29	CFSM 1.03	IN 13.94					
WTR YR 1979	TOTAL	74536.00	MEAN 204	MAX 2040	MIN 13	CFSM .89	IN 12.11					

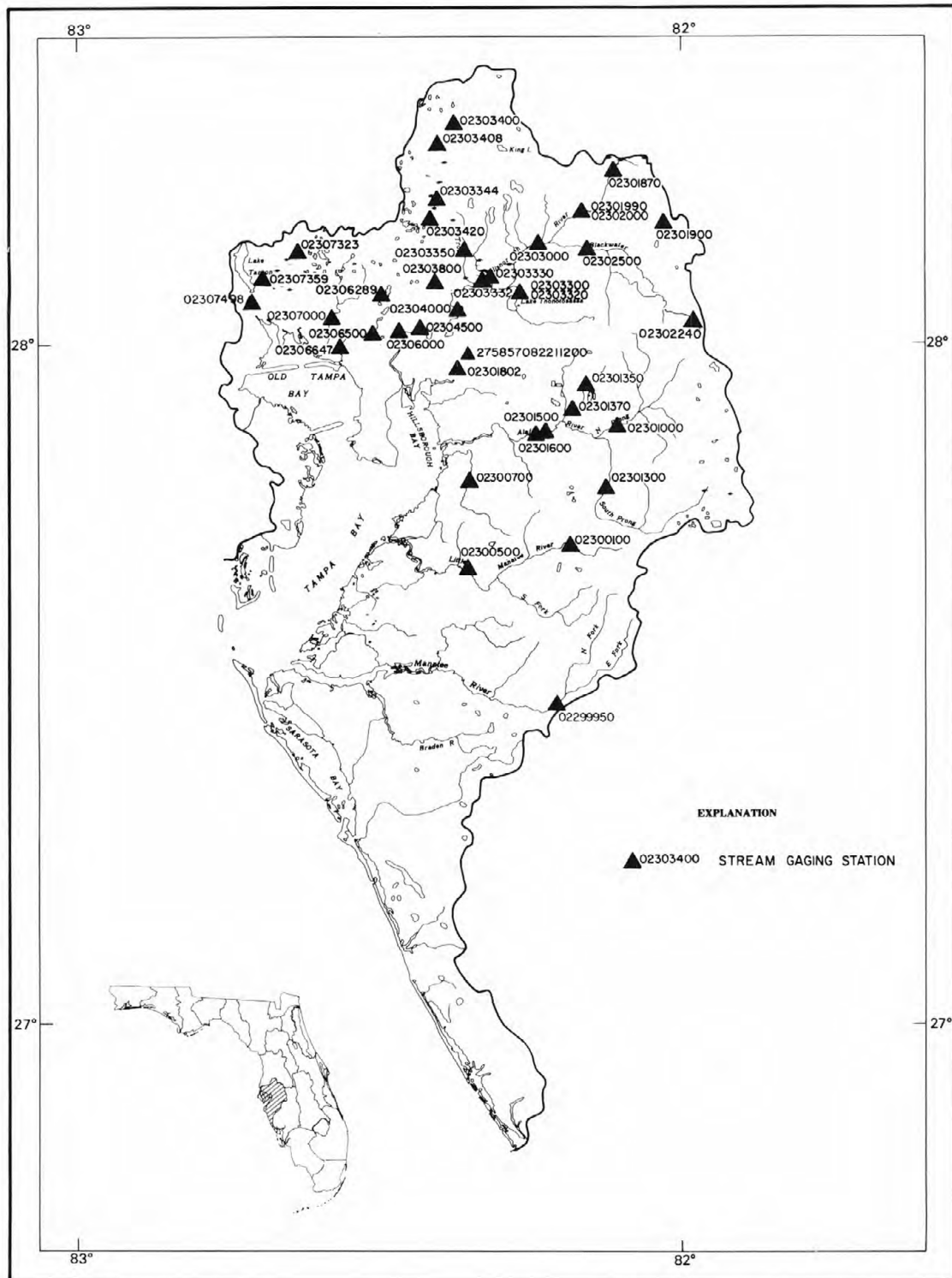


Figure 5. Location of stream gaging stations in the Manatee, Little Manatee, Alafia and Hillsborough River basins, Tampa Bay, and coastal areas.

MANATEE RIVER BASIN

02299950 MANATEE RIVER NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°28'24", long 82°12'41", in SE¼ sec.33, T.34 S., R.21 E., Manatee County, Hydrologic Unit 03100202, near center of span on upstream side of bridge on State Highway 64, 2.0 mi (3.2 km) downstream from confluence of North and East Forks Manatee River, 6.4 mi (10.3 km) east of State Highway 675, 8.4 mi (13.5 km) west of Myakka Head, and 36 mi (58 km) upstream from mouth.

DRAINAGE AREA.--65.3 mi² (169.1 km²).

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

REVISED RECORDS.--WRD FL 1968: 1966. WDR FL-75-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.93 ft (12.475 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 66.9 ft³/s (1.895 m³/s), 13.91 in/yr (353 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,130 ft³/s (88.6 m³/s) Aug. 15, 1976; maximum gage height, 15.34 ft (4.676 m) Sept. 22, 1979; no flow part of May 24, 1975, gage height, 0.48 ft (0.146 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,160 ft³/s (61.2 m³/s) Sept. 22, gage height, 15.34 ft (4.676 m); minimum, 2.8 ft³/s (0.079 m³/s) Apr. 20, gage height, 0.91 ft (0.277 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	5.0	8.4	21	44	28	7.8	8.8	156	32	25	137
2	62	4.7	12	58	39	23	7.2	8.0	84	17	16	113
3	36	4.3	9.8	162	34	21	6.9	6.5	116	11	9.6	89
4	59	4.0	8.0	97	30	18	6.6	6.0	58	8.8	6.0	124
5	76	3.8	6.8	54	28	17	6.2	5.3	34	7.4	6.6	155
6	58	3.5	6.1	40	27	27	6.0	4.5	22	6.4	6.0	137
7	32	3.8	5.7	32	35	143	5.9	11	15	5.6	5.5	101
8	20	7.9	5.3	30	41	178	5.6	47	12	5.2	6.4	95
9	14	15	5.0	33	36	134	5.1	45	9.9	5.8	7.8	197
10	11	11	4.9	30	30	103	4.7	31	8.4	13	8.6	737
11	9.9	8.4	4.8	25	25	76	4.5	19	7.2	14	8.1	308
12	16	6.9	5.0	146	22	58	4.4	99	9.3	24	462	244
13	51	6.1	5.1	588	20	47	4.2	89	292	69	672	331
14	35	5.7	4.9	384	19	39	4.1	157	93	76	592	1340
15	32	5.6	4.6	172	18	32	4.0	61	36	45	338	1600
16	30	5.5	4.2	104	17	28	4.0	34	21	31	181	794
17	21	5.2	4.0	74	17	25	3.9	24	15	31	254	416
18	15	5.0	3.9	57	17	22	3.6	17	12	75	288	249
19	11	5.0	4.0	46	16	20	3.2	12	9.6	115	211	176
20	9.7	4.9	4.2	39	15	18	2.9	9.5	8.3	62	200	152
21	8.8	4.8	4.2	49	15	16	5.9	7.9	7.9	39	208	158
22	7.7	5.0	4.3	78	15	15	13	6.7	7.2	32	120	1640
23	6.9	4.9	4.4	66	16	13	7.0	5.8	9.0	105	117	976
24	6.3	5.4	5.1	249	54	12	5.7	5.4	9.5	510	592	828
25	5.8	5.1	17	328	50	11	8.7	6.8	11	700	711	562
26	5.2	5.3	19	160	59	12	16	8.3	8.1	240	362	392
27	5.0	4.5	13	98	46	11	13	7.3	13	256	256	650
28	4.9	4.2	34	78	34	9.9	9.0	5.7	22	118	167	530
29	5.0	4.6	58	65	---	9.1	7.0	5.0	70	82	176	912
30	5.1	5.7	43	52	---	8.7	6.7	92	57	58	759	950
31	5.3	---	28	45	---	8.3	---	667	---	38	271	---
TOTAL	759.6	170.8	346.7	3460	819	1183.0	192.8	1512.5	1233.4	2832.2	7042.6	15093
MEAN	24.5	5.69	11.2	112	29.3	38.2	6.43	48.8	41.1	91.4	227	503
MAX	95	15	58	588	59	178	16	667	292	700	759	1640
MIN	4.9	3.5	3.9	21	15	8.3	2.9	4.5	7.2	5.2	5.5	89
CFSM	.38	.09	.17	1.72	.45	.59	.10	.75	.63	1.40	3.48	7.70
IN.	.43	.10	.20	1.97	.47	.67	.11	.86	.70	1.61	4.01	8.60
CAL YR 1978	TOTAL	22747.8	MEAN	62.3	MAX	1500	MIN	1.8	CFSM	.95	IN	12.96
WTR YR 1979	TOTAL	34645.6	MEAN	94.9	MAX	1640	MIN	2.9	CFSM	1.45	IN	19.74

LITTLE MANATEE RIVER BASIN

02300100 LITTLE MANATEE RIVER NEAR FORT LONESOME, FL

LOCATION.--Lat 27°42'16", long 82°11'53", in NW¼ sec.15, T.32 S., R.21 E., Hillsborough County, Hydrologic Unit 03100203, near right bank on downstream side of bridge on State Highway 674, 0.6 mi (1.0 km) upstream from Howard Prairie Branch, 3.2 mi (5.1 km) west of Fort Lonesome, 6.2 mi (10.0 km) east of Wimauma, and 30 mi (48 km) upstream from mouth.

DRAINAGE AREA.--31.4 mi² (81.3 km²).

PERIOD OF RECORD.--September 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 45.00 ft (13.716 m) National Geodetic Vertical Datum of 1929; datum of nonrecording gage is NGVD.

REMARKS.--Records fair. Small diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--16 years, 28.7 ft³/s (0.813 m³/s), 12.41 in/yr (315 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft³/s (87.8 m³/s) Sept. 22, 1979, gage height, 11.73 ft (3.575 m), from rating curve extended above 700 ft³/s (20 m³/s); no flow at times in most years; river dry at gage several days in 1974-75, 1977, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)
Sept. 14	2015	704 19.9	9.57 2.917	Sept. 22	0945	*3100 87.8	*11.73 3.575

No flow Apr. 10-23; river dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	1.5	1.7	9.1	18	11	1.4	.35	55	6.4	6.9	46
2	19	1.5	2.6	18	16	10	1.1	.68	29	5.5	6.0	38
3	19	1.5	2.9	29	14	8.8	.78	.35	36	4.7	5.0	31
4	13	1.5	2.5	22	13	8.1	.59	.17	34	4.8	4.8	36
5	9.2	1.6	2.1	15	12	8.3	.38	.07	24	7.9	6.0	59
6	7.5	1.7	1.9	12	12	33	.26	.02	16	4.7	6.7	70
7	6.0	1.9	1.7	9.7	13	62	.11	.63	10	5.6	6.1	92
8	4.9	2.6	1.5	11	16	55	.07	4.0	6.6	6.7	6.2	63
9	4.3	2.9	1.4	12	17	52	.03	33	4.9	5.6	12	40
10	3.8	3.2	1.3	11	15	42	.00	35	3.8	4.1	14	31
11	3.9	2.9	1.3	9.4	13	31	.00	20	3.4	3.5	22	31
12	7.2	2.6	1.7	73	11	24	.00	30	3.3	4.1	106	33
13	6.4	2.3	1.5	181	9.9	18	.00	30	4.8	11	227	168
14	6.3	2.1	1.3	141	9.1	14	.00	38	3.7	21	181	573
15	6.6	2.0	1.2	90	8.5	11	.00	62	3.2	13	134	457
16	6.0	1.9	1.2	56	8.1	8.6	.00	56	2.8	9.8	182	262
17	4.9	2.1	1.2	37	7.9	7.2	.00	45	2.5	13	130	172
18	4.0	2.1	1.1	26	7.8	6.0	.00	31	2.2	15	82	121
19	3.2	1.9	1.0	20	7.6	5.3	.00	19	1.8	16	66	84
20	2.6	1.6	1.0	17	7.2	4.7	.00	13	1.6	14	57	59
21	2.2	1.3	1.1	30	6.9	4.3	.00	8.1	1.5	18	69	127
22	1.8	1.2	1.2	36	6.9	4.0	.00	5.6	6.4	20	91	2190
23	1.6	1.4	1.1	29	7.4	3.9	.00	4.3	9.4	20	87	724
24	1.4	1.4	1.8	50	10	4.2	.24	7.7	12	41	282	325
25	1.3	1.5	4.3	88	15	3.9	.55	12	10	43	350	262
26	1.2	1.5	3.9	72	19	3.5	.55	5.9	7.1	34	254	440
27	1.1	1.4	3.4	49	17	3.2	.51	4.5	5.4	25	155	412
28	1.3	1.2	15	38	14	2.9	.41	3.7	5.0	19	106	253
29	1.4	1.1	25	32	---	2.5	.30	3.1	7.1	15	83	338
30	1.4	1.0	20	25	---	2.0	.20	12	6.8	12	73	327
31	1.4	---	13	21	---	1.8	---	82	---	8.8	58	---
TOTAL	168.9	54.4	121.9	1269.2	332.3	456.2	7.48	567.17	319.3	432.2	2868.7	7864
MEAN	5.45	1.81	3.93	40.9	11.9	14.7	.25	18.3	10.6	13.9	92.5	262
MAX	19	3.2	25	181	19	62	1.4	82	55	43	350	2190
MIN	1.1	1.0	1.0	9.1	6.9	1.8	.00	.02	1.5	3.5	4.8	31
CFSM	.17	.06	.13	1.30	.38	.47	.008	.58	.34	.44	2.95	8.34
IN.	.20	.06	.14	1.50	.39	.54	.01	.67	.38	.51	3.40	9.32
CAL YR 1978	TOTAL	13501.67	MEAN	37.0	MAX	1020	MIN	.00	CFSM	1.18	IN	16.00
WTR YR 1979	TOTAL	14461.75	MEAN	39.6	MAX	2190	MIN	.00	CFSM	1.26	IN	17.13

LITTLE MANATEE RIVER BASIN

02300500 LITTLE MANATEE RIVER NEAR WIMAUMA, FL

LOCATION.--Lat 27°40'15", long 82°21'10", in NE¼ sec.25, T.32 S., R.19 E., Hillsborough County, Hydrologic Unit 03100203, near center of span on downstream side of bridge on U. S. Highway 301, 1.6 mi (2.6 km) upstream from Cypress Creek, 4.2 mi (6.8 km) southwest of Wimauma, and 15 mi (24 km) upstream from mouth.

DRAINAGE AREA.--149 mi² (386 km²).

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

REVISED RECORDS.--WSP 1032: 1939(M). WSP 1905: 1961-62, 1965 drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1963, at site 75 ft (25 m) downstream at datum 2.17 ft (0.661 m) higher; Oct. 1, 1963 to Sept. 22, 1971, at former site and present datum.

REMARKS.--Records fair. Some diversion, 3.3 mi (5.3 km) above station by Manatee Power Plant since June 1974. Stage-discharge relation affected by tide on most days.

AVERAGE DISCHARGE.--40 years, 170 ft³/s (4.814 m³/s), 15.49 in/yr (393 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,000 ft³/s (396 m³/s) Sept. 11, 1960, gage height, 19.76 ft (6.023 m), present datum; minimum, 0.78 ft³/s (0.022 m³/s) Dec. 18, 19, 1976; minimum gage height, 1.38 ft (0.421 m) May 18, 19, 1967.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,400 ft³/s (40 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Sept. 16	0115	2530 71.6	13.49 4.112	Sept. 23	1030	*5720 162	*16.68 5.084

Minimum discharge, 10 ft³/s (0.283 m³/s) June 21, gage height, 1.94 ft (0.591 m) Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	28	36	41	107	85	21	16	70	57	25	272
2	88	28	42	92	96	80	26	21	83	32	32	140
3	74	27	43	163	87	75	27	21	86	24	27	134
4	73	26	35	114	80	71	29	20	86	24	24	150
5	132	25	32	72	76	73	28	20	46	30	24	125
6	119	24	30	59	63	200	27	18	32	22	25	166
7	80	23	29	52	52	472	26	33	21	24	30	303
8	60	26	27	50	61	354	25	65	17	101	42	286
9	53	28	27	51	60	298	26	155	26	65	52	197
10	47	28	26	47	55	231	27	104	22	27	41	164
11	45	28	25	43	56	183	27	109	21	76	58	137
12	46	27	26	360	48	142	26	365	18	47	152	171
13	61	22	27	1040	45	115	23	390	22	52	224	511
14	61	23	27	951	43	102	24	232	27	115	209	1170
15	61	24	26	602	42	91	24	247	26	73	169	1810
16	56	24	27	270	46	82	20	218	21	53	139	2180
17	45	23	27	146	62	76	17	77	19	55	200	1580
18	38	22	25	111	63	72	17	68	16	78	156	941
19	33	23	25	92	52	67	18	65	13	135	154	497
20	35	24	25	90	40	59	18	58	12	96	185	318
21	39	23	26	175	41	46	18	35	10	46	280	292
22	36	22	26	193	42	43	19	35	20	53	206	1560
23	33	23	25	150	57	41	18	18	43	53	227	5030
24	32	24	35	390	113	44	18	20	35	53	523	3250
25	30	26	54	406	156	34	28	32	29	71	540	2140
26	29	24	52	336	182	35	26	23	24	60	686	1780
27	28	23	41	260	122	40	18	16	23	50	609	1740
28	31	21	81	208	95	39	25	14	24	42	338	1590
29	33	22	92	154	---	38	22	21	56	28	220	1330
30	30	22	78	137	---	39	20	30	34	21	368	1580
31	28	---	56	121	---	27	---	60	---	16	413	---
TOTAL	1641	733	1153	6976	2042	3354	688	2606	982	1679	6378	31544
MEAN	52.9	24.4	37.2	225	72.9	108	22.9	84.1	32.7	54.2	206	1051
MAX	132	28	92	1040	182	472	29	390	86	135	686	5030
MIN	28	21	25	41	40	27	17	14	10	16	24	125
CFSM	.36	.16	.25	1.51	.49	.73	.15	.56	.22	.36	1.38	7.05
IN.	.41	.18	.29	1.74	.51	.84	.17	.65	.25	.42	1.59	7.88
CAL YR 1978	TOTAL	65824	MEAN	180	MAX	2070	MIN	20	CFSM	1.21	IN	16.43
WTR YR 1979	TOTAL	59776	MEAN	164	MAX	5030	MIN	10	CFSM	1.10	IN	14.92

TAMPA BAY AND COASTAL AREAS

02300700 BULLFROG CREEK NEAR WIMAUMA, FL

LOCATION.--Lat 27°47'30", long 82°21'08", in SE¼ sec.12, T.31 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, near center of span on downstream side of bridge on State Highway 672-S, 0.6 mi (1.0 km) downstream from Little Bullfrog Creek, 6.0 mi (9.7 km) northwest of Wimauma, and 8.7 mi (14.0 km) upstream from mouth.

DRAINAGE AREA.--29.1 mi² (75.4 km²).

PERIOD OF RECORD.--September 1956 to November 1958; December 1958 to September 1974 (annual peak discharge); April 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to September 1974, nonrecording gage at present site and datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD (1956-58 AND SINCE 1977).--Maximum discharge, 1,030 ft³/s (29.2 m³/s) Aug. 25, 1977; maximum gage height, 27.80 ft (8.473 m) Apr. 15, 1958 (observed); no flow Oct. 21-23, 1957, June 4, 5, 7, 10-21, 1958; minimum gage height, 16.93 ft (5.160 m) July 3, 1977.

EXTREMES FOR PERIOD OF RECORD.--1958-74: Maximum gage height, 30.59 ft (9.324 m) Sept. 11, 1960, from crest stage indicator; discharge not determined; minimum gage height and discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 957 ft³/s (27.1 m³/s) Sept. 24, gage height, 26.63 ft (8.117 m); minimum, 1.0 ft³/s (0.028 m³/s) June 19, 20, 21, gage height, 16.85 ft (5.136 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	6.3	7.7	20	35	26	16	13	10	1.7	3.1	72
2	8.4	5.5	6.8	49	33	25	14	18	6.2	2.7	3.8	42
3	8.0	4.8	6.3	86	31	25	13	14	4.8	2.6	5.3	33
4	7.5	5.9	5.7	48	29	26	12	12	4.1	3.1	4.9	28
5	7.1	6.6	6.6	35	28	40	13	11	4.2	6.9	4.0	21
6	6.7	6.0	7.5	26	25	150	14	11	4.0	4.1	3.9	27
7	6.4	6.0	5.7	20	23	444	11	22	3.7	5.9	7.1	117
8	6.2	7.5	4.6	21	25	189	10	83	4.4	38	6.4	84
9	5.9	8.3	4.1	19	22	111	11	230	3.6	28	7.0	55
10	5.7	6.4	3.9	18	19	69	12	121	3.8	13	6.1	66
11	5.4	5.6	4.1	15	19	45	11	68	3.5	8.0	27	33
12	5.2	6.4	4.1	175	19	34	12	365	2.9	6.3	116	70
13	5.1	7.4	4.0	644	17	27	13	245	1.9	5.9	129	340
14	4.9	6.3	3.9	306	16	23	12	73	1.5	11	57	512
15	4.8	6.7	4.4	91	15	23	11	50	1.3	7.5	31	387
16	4.8	7.2	5.1	55	19	24	10	61	1.3	5.9	21	582
17	4.6	6.7	4.9	40	23	23	11	39	1.5	6.1	31	244
18	4.5	6.8	5.5	32	23	22	11	24	1.2	14	58	89
19	4.3	7.5	6.2	27	22	20	11	16	1.1	15	31	49
20	4.5	8.1	6.6	26	23	17	11	13	1.0	21	21	32
21	4.8	8.1	6.6	29	22	17	11	11	1.5	16	17	58
22	3.7	7.9	6.0	33	20	17	11	10	2.9	14	18	521
23	4.0	7.9	6.3	29	27	21	11	10	3.5	16	45	521
24	4.5	7.6	46	56	34	24	11	13	4.1	20	132	673
25	4.9	6.9	99	120	44	22	11	11	3.0	18	170	300
26	4.3	6.9	43	95	49	16	12	8.9	1.9	14	94	450
27	4.1	6.6	22	72	32	11	12	8.7	1.5	10	43	410
28	5.0	6.8	83	56	28	9.9	11	8.7	2.2	7.6	25	290
29	12	5.9	102	48	---	13	11	8.9	6.5	5.6	28	350
30	10	6.1	44	43	---	14	12	14	2.3	4.4	78	340
31	7.8	---	28	39	---	14	---	14	---	3.6	124	---
TOTAL	184.1	202.7	593.6	2373	722	1541.9	352	1607.2	95.4	335.9	1347.6	6796
MEAN	5.94	6.76	19.1	76.5	25.8	49.7	11.7	51.8	3.18	10.8	43.5	227
MAX	12	8.3	102	644	49	444	16	365	10	38	170	673
MIN	3.7	4.8	3.9	15	15	9.9	10	8.7	1.0	1.7	3.1	21
CFSM	.20	.23	.66	2.63	.89	1.71	.40	1.78	.11	.37	1.50	7.80
IN.	.24	.26	.76	3.03	.92	1.97	.45	2.05	.12	.43	1.72	8.69
CAL YR 1978	TOTAL	12631.3	MEAN	34.6	MAX	535	MIN	3.3	CFSM	1.19	IN	16.15
WTR YR 1979	TOTAL	16151.4	MEAN	44.3	MAX	673	MIN	1.0	CFSM	1.52	IN	20.65

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

LOCATION.--Lat 27°52'59", long 82°06'03", in SW¼ sec.10, T.30 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, near left bank, 300 ft (90 m) below highway bridge, 0.6 mi (1.0 km) north of Keysville, 4.0 mi (6.4 km) upstream from confluence with South Prong Alafia River, and 29 mi (47 km) upstream from mouth of Alafia River at Hillsborough Bay.

DRAINAGE AREA.--135 mi² (350 km²), approximately.

PERIOD OF RECORD.--May 1950 to current year. Monthly discharge only for May 1950, published in WSP 1304.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 38.56 ft (11.753 m) National Geodetic Vertical Datum of 1929. Prior to May 8, 1974, at site 300 ft (90 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 170 ft³/s (4.814 m³/s), 123,200 acre-ft/yr (152 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,570 ft³/s (271 m³/s) Sept. 11, 1960, gage height, 15.86 ft (4.834 m), from recorded range in stage; minimum, 3.6 ft³/s (0.10 m³/s) May 17, 1952; minimum gage height, 1.16 ft (0.354 m) May 26, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage Height (ft)	Gage Height (m)
May 9	1700	1400	40.8	10.29	3.136	Sept. 15	1400	2230	63.2	11.27	3.435
May 15	1000	2350	66.6	11.40	3.475	Sept. 22	1500	*3320	94.0	*12.25	3.734
July 15	0200	1160	32.9	9.83	2.996	Sept. 24	0900	2890	81.8	11.91	3.630
Aug. 12	2300	1140	32.3	9.78	2.981	Sept. 27	1900	2090	59.2	11.12	3.389
Sept. 13	1700	1560	44.2	10.46	3.188						

Minimum discharge, 47 ft³/s (1.33 m³/s) Nov. 28, 29; minimum gage height, 1.71 ft (0.521 m) Apr. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	63	62	145	140	116	71	86	325	121	172	235
2	61	62	70	154	135	105	84	95	307	112	172	257
3	60	58	64	216	136	101	89	100	323	103	138	285
4	68	57	59	202	135	93	70	95	295	95	125	400
5	80	55	59	163	132	104	65	108	243	90	122	794
6	103	54	60	147	128	179	59	101	210	85	144	686
7	104	53	60	136	133	617	57	99	190	94	182	507
8	84	55	56	130	142	663	69	166	163	92	230	367
9	76	57	55	131	135	403	57	1030	152	108	230	281
10	69	56	53	125	126	277	51	1150	150	148	176	247
11	69	57	52	115	115	200	51	948	140	164	233	250
12	77	55	52	192	110	159	54	1100	133	146	782	297
13	78	54	52	484	105	140	65	1060	183	168	1080	1140
14	81	53	53	639	97	131	55	982	357	489	905	1240
15	81	53	51	441	95	123	57	2000	337	994	729	1850
16	73	52	51	294	93	112	67	1140	257	646	602	1340
17	71	50	52	219	96	103	62	758	211	561	430	834
18	71	49	52	182	98	96	57	529	188	696	311	589
19	70	52	53	158	99	93	61	365	184	615	272	431
20	67	53	53	150	99	90	57	248	185	569	237	338
21	66	54	56	170	101	94	59	226	168	474	366	323
22	64	51	58	199	97	108	71	203	189	299	544	2320
23	64	55	61	186	93	86	78	187	188	253	375	2140
24	61	58	72	258	110	81	89	176	160	292	551	2660
25	57	57	99	372	131	79	83	208	149	356	927	2200
26	54	57	95	323	178	87	111	223	140	336	809	1900
27	52	57	94	218	177	77	130	204	125	293	580	1820
28	53	53	152	182	132	68	122	181	152	233	400	1910
29	61	50	231	164	---	67	91	163	169	200	301	1450
30	67	53	214	151	---	66	75	208	136	183	256	1560
31	64	---	164	145	---	66	---	339	---	169	227	---
TOTAL	2165	1643	2415	6791	3368	4784	2167	14474	6109	9184	12608	30651
MEAN	69.8	54.8	77.9	219	120	154	72.2	467	204	296	407	1022
MAX	104	63	231	639	178	663	130	2000	357	994	1080	2660
MIN	52	49	51	115	93	66	51	86	125	85	122	235
AC-FT	4290	3260	4790	13470	6680	9490	4300	28720	12120	18220	25010	60800
CAL YR 1978	TOTAL	42577	MEAN 117	MAX 620	MIN 37	AC-FT 84450						
WTR YR 1979	TOTAL	96363	MEAN 264	MAX 2660	MIN 49	AC-FT 191100						

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

LOCATION.--Lat 27°47'47", long 82°07'04", in SW¼ sec.9, T.31 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, at left bank, 12 ft (4 m) upstream from bridge on county road, 1.5 mi (2.4 km) upstream from Halls Branch, 5.0 mi (8.0 km) southeast of Lithia, and 7.6 mi (12.2 km) upstream from mouth.

DRAINAGE AREA.--107 mi² (277 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 13, 1965, at datum 41.56 ft (12.667 m) lower; Oct. 13, 1965, to Apr. 11, 1975, at datum 10.00 ft (3.048 m) higher; Nov. 29, 1971, to July 25, 1972, nonrecording gage. Prior to July 25, 1972, at site 12 ft (4 m) downstream; July 25, 1972 to Dec. 17, 1973, at site 60 ft (18 m) upstream.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years (1963-79), 113 ft³/s (3,200 m³/s), 81,870 acre-ft/yr (101 hm³/yr). The figure published in the 1978 report was in error; the correct figure is 15 years (1963-78), 113 ft³/s (3,200 m³/s), 81,870 acre-ft/yr (101 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft³/s (73.6 m³/s) Aug. 14, 1967, gage height, 17.88 ft (5.450 m); minimum, 1.3 ft³/s (0.037 m³/s) June 1, 1967, May 4, 1968; minimum gage height, 9.60 ft (2.926 m) May 4, 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Aug. 26	0500	650 18.4	16.07 4.898	Sept. 22	2300	*1600 45.3	*17.09 5.209
Sept. 15	0900	624 17.7	16.01 4.880				

Minimum discharge, 17 ft³/s (0.481 m³/s) Nov. 6, 7; minimum gage height, 10.07 ft (3.069 m) Apr. 29, 30, May 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	21	17	35	112	75	35	22	173	72	63	199
2	44	20	18	49	103	66	36	22	166	54	56	211
3	39	19	18	67	91	56	36	22	184	43	51	206
4	35	19	17	61	79	54	36	22	205	37	45	229
5	33	18	17	54	69	52	36	21	184	38	39	236
6	33	17	17	47	61	58	37	22	162	33	36	249
7	33	18	16	46	58	90	37	28	137	36	35	210
8	33	19	16	45	58	150	36	43	112	34	34	186
9	33	20	16	45	64	149	31	105	94	32	32	172
10	31	21	16	46	62	146	28	128	82	30	31	158
11	30	21	16	57	60	133	26	203	75	34	41	152
12	38	21	16	94	59	115	25	301	84	40	67	180
13	37	21	16	152	57	98	25	344	146	44	134	300
14	36	22	16	171	55	84	25	369	108	47	219	522
15	37	22	15	206	53	74	25	329	88	48	223	614
16	35	22	15	218	52	64	25	361	86	57	214	548
17	32	23	15	196	52	58	25	335	91	95	185	495
18	29	26	15	166	53	56	25	288	83	105	169	458
19	29	25	15	137	55	53	25	259	68	99	227	434
20	28	23	15	112	55	50	25	236	56	94	205	422
21	28	22	15	112	56	48	25	217	49	97	174	433
22	27	23	15	108	58	47	25	195	64	109	169	1170
23	25	23	15	103	54	44	24	170	67	116	193	1330
24	24	24	17	119	52	43	25	157	70	131	361	910
25	22	23	22	115	60	47	25	166	61	137	560	697
26	21	22	21	122	72	45	25	170	53	139	625	625
27	21	19	20	146	85	42	24	175	48	142	484	651
28	20	18	45	158	85	41	24	184	52	137	339	612
29	20	17	55	149	---	40	23	178	97	115	265	586
30	21	16	50	133	---	38	22	170	93	92	215	694
31	21	---	44	120	---	35	---	183	---	75	195	---
TOTAL	942	625	641	3389	1830	2151	841	5425	3038	2362	5706	13889
MEAN	30.4	20.8	20.7	109	65.4	69.4	28.0	175	101	76.2	184	463
MAX	47	26	55	218	112	150	37	369	205	142	625	1330
MIN	20	16	15	35	52	35	22	21	48	30	31	152
AC-FT	1870	1240	1270	6720	3630	4270	1670	10760	6030	4690	11320	27550
CAL YR 1978	TOTAL	23217.9	MEAN	63.6	MAX	385	MIN	6.7	AC-FT	46050		
WTR YR 1979	TOTAL	40839.0	MEAN	112	MAX	1330	MIN	15	AC-FT	81000		

ALAFIA RIVER BASIN

02301350 LITTLE ALAFIA RIVER NEAR HOPEWELL, FL

LOCATION.--Lat 27°56'24", long 82°09'13", in SE¼ sec.24, T.29 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, near left bank, 1,200 ft (400 m) above culvert on State Highway 60, 2.4 mi (3.9 km) upstream from Edward Medard Reservoir control structure, and 3.0 mi (4.8 km) west of Hopewell.

DRAINAGE AREA.--8.65 mi² (22.40 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Mar. 28, 1975, at site 1,200 ft (400 m) downstream at same datum.

REMARKS.--Records poor. Since July 1971, flow occasionally affected by backwater from Edward Medard Reservoir.

AVERAGE DISCHARGE.--13 years, 8.15 ft³/s (0.231 m³/s), 5,900 acre-ft/yr (7.27 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 974 ft³/s (27.6 m³/s) Sept. 12, 1971; maximum gage height, 16.70 ft (5.090 m) Sept. 23, 1979; no flow at times most years; dry at gage many days 1975-77.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 300 ft³/s (8.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	0115	502 14.2	16.04 4.889	Sept. 23	2230	*722 20.4	*16.70 5.090
Mar. 6	1230	326 9.23	15.34 4.676	Sept. 27	0100	333 9.43	14.73 4.890
May 8	1815	599 17.0	16.36 4.987	Sept. 27	2230	445 12.6	15.83 4.825
Sept. 22	0430	518 14.7	16.09 4.904	Sept. 29	2000	439 12.4	15.81 4.819

No flow for many days; minimum gage height, 8.96 ft (2.731 m) Nov. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	.38	.67	3.0	3.8	7.1	.00	.00	.00	.00	.00	6.8
2	3.9	.29	.92	11	3.1	6.4	.00	.00	.00	.00	.00	3.9
3	1.9	.24	.56	13	3.0	5.9	.00	.00	.00	.00	.00	1.2
4	1.2	.22	.32	8.0	2.8	5.7	.00	.00	.00	.00	.00	18
5	5.4	.17	.44	4.7	2.8	7.5	.00	.00	.00	.00	.00	12
6	17	.22	.46	3.3	2.8	207	.00	.00	.00	.06	.00	7.4
7	4.4	.20	.34	2.8	4.8	90	.00	.51	.00	.71	7.2	5.6
8	2.4	.32	.25	4.7	5.6	32	.00	183	.00	15	17	4.2
9	1.5	.29	.22	4.3	3.8	21	.00	95	.00	.84	4.6	3.2
10	1.1	.22	.20	2.9	3.1	8.7	.00	11	.00	.09	3.6	4.3
11	1.4	.13	.20	2.6	2.7	4.0	.00	2.8	.00	.03	97	6.7
12	10	.08	.32	83	2.4	1.8	.00	13	.00	.28	117	25
13	4.0	.06	.25	120	2.2	.56	.00	2.1	.00	.38	74	97
14	3.4	.06	.24	17	2.1	.05	.00	3.2	.00	1.9	18	90
15	2.8	.08	.17	10	2.0	.01	.00	1.9	.00	.11	11	20
16	2.4	.07	.13	7.6	2.0	.00	.00	.70	.00	3.5	11	30
17	1.6	.09	.08	6.3	1.8	.00	.00	.04	.00	.36	88	.15
18	1.1	.08	.15	5.6	1.8	.00	.00	.00	.00	.15	37	.00
19	1.1	.07	.07	4.6	1.7	.00	.00	.00	.00	.88	12	.00
20	1.0	.07	.07	4.4	1.6	.00	.00	.00	.00	.04	16	.00
21	.96	.07	.08	13	1.5	.00	.00	.00	.00	.02	95	8.1
22	.88	.08	.08	8.3	1.5	.00	.00	.00	.00	.00	20	267
23	.84	.08	.11	6.1	36	.00	.00	.00	.00	.01	16	191
24	.81	.11	7.1	42	148	.00	.00	.13	.00	.46	33	316
25	.84	.09	6.4	13	76	.00	.00	.05	.00	.88	35	96
26	.74	.05	2.8	8.3	26	.00	.00	.00	.00	.01	14	100
27	.67	.05	2.0	6.8	12	.00	.00	.00	.00	.00	11	204
28	.60	.03	25	6.2	8.7	.00	.00	.00	.00	.00	8.7	143
29	.50	.03	13	4.7	---	.00	.00	.00	.00	.00	8.8	141
30	.44	.03	5.8	4.1	---	.00	.00	.00	.00	.00	7.8	91
31	.46	---	3.8	4.2	---	.00	---	.00	---	.00	7.0	---
TOTAL	89.34	3.96	72.23	435.5	365.6	397.72	.00	313.43	.00	25.71	769.70	1892.55
MEAN	2.88	.13	2.33	14.0	13.1	12.8	.000	10.1	.000	.83	24.8	63.1
MAX	17	.38	25	120	148	207	.00	183	.00	15	117	316
MIN	.44	.03	.07	2.6	1.5	.00	.00	.00	.00	.00	.00	.00
AC-FT	177	7.9	143	864	725	789	.00	622	.00	51	1530	3750
CAL YR 1978	TOTAL	1483.78	MEAN	4.07	MAX	128	MIN	.00	AC-FT	2940		
WTR YR 1979	TOTAL	4365.74	MEAN	12.0	MAX	316	MIN	.00	AC-FT	8660		

ALAFIA RIVER BASIN

02301370 LITTLE ALAFIA RIVER AT TURKEY CREEK ROAD AT PLEASANT GROVE, FL.

LOCATION.--Lat 27°54'34", long 82°10'15", in SE¼ sec.35, T.29 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, at bridge on Turkey Creek Road, 0.3 mi (0.5 km) north of Pleasant Grove, 2.2 mi (3.5 km) upstream from mouth.

DRAINAGE AREA.--19.6 mi² (50.8 km²).

PERIOD OF RECORD.--October 1968 to current year (discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1978 to September 1979. See REMARKS.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. (Florida Department of Transportation bench mark).

REMARKS.--Results of miscellaneous temperature observations prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 257 ft³/s (7.29 m³/s) Aug. 13, 1974; no flow observed, 1978 and 1979 water years.

OBSERVATIONS OF NO FLOW, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

Oct. 5	0	Apr. 13	0
Dec. 1	0	May 30	0
Feb. 7	0	July 24	0
Apr. 4	0		

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)
OCT				MAY			
11...	--	.00	--	21...	1400	--	28.0
26...	1700	--	25.0	JUN			
NOV				04...	1140	6.1	28.5
27...	--	.00	--	JUL			
FEB				30...	--	.00	--
05...	--	.00	--				
APR							
02...	1235	.71	25.0				

ALAFIA RIVER BASIN

02301500 ALAFIA RIVER AT LITHIA, FL

LOCATION.--Lat 27°52'19", long 82°12'41", in NE¼ sec.16, T.30 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, near center of span on downstream side of bridge on State Highway 640, 2.0 mi (3.2 km) upstream from Little Fishhawk Creek, 4.3 mi (6.9 km) west of Lithia, and 16 mi (26 km) upstream from mouth.

DRAINAGE AREA.--335 mi² (868 km²), approximately.

PERIOD OF RECORD.--October 1932 to current year. Monthly discharge only prior to February 1933, published in WSP 1304.

REVISED RECORDS.--WSP 782: 1933(M). WSP 1234: Drainage area. WSP 1274: 1933-35, 1939, 1945, 1947-50.

GAGE.--Water-stage recorder. Datum of gage is 7.00 ft (2.134 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 8, 1939, non-recording gage at site 200 ft (60 m) upstream; Aug. 8, 1939 to Sept. 5, 1963, water-stage recorder at site 60 ft (18 m) downstream; Sept. 6, 1963 to Oct. 14, 1965, water-stage recorder at site 50 ft (15 m) downstream. Prior to Oct. 14, 1965, at datum 2.86 ft (0.872 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--47 years, 367 ft³/s (10.39 m³/s), 14.88 in/yr (378 mm/yr), 265,900 acre-ft/yr (328 hm³/yr). The figure published in the 1978 report was in error; the correct figure is 46 years, 364 ft³/s (10.31 m³/s), 14.76 in/yr (375 mm/yr), 263,720 acre-ft/yr (325 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,900 ft³/s (1,300 m³/s) Sept. 7, 1933, gage height, 28.5 ft (8.687 m), present datum, from floodmarks, from rating curve extended above 21,000 ft³/s (595 m³/s); minimum, 6.6 ft³/s (0.19 m³/s) June 5, 6, 1945, gage height, 1.95 ft (0.594 m), present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,700 ft³/s (48 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)				
May 16	1430	2250	63.7	14.44	4.40	Sept. 16	1715	2520	71.4	15.00	4.57
Aug. 26	0545	1800	51.0	12.83	3.91	Sept. 24	2315	*4780	135	*17.75	5.41

Minimum discharge, 74 ft³/s (2.10 m³/s) Nov. 29; minimum gage height, 2.81 ft (0.856 m), Nov. 7, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	94	91	222	307	226	115	113	649	250	246	738
2	130	92	117	238	283	204	128	130	561	198	254	734
3	118	85	104	357	272	191	138	135	545	160	220	712
4	115	83	94	308	254	177	131	131	562	144	183	907
5	144	81	90	271	241	198	119	134	515	135	165	1190
6	157	79	91	244	226	687	118	144	441	129	174	1140
7	168	78	90	216	225	1120	113	135	380	153	219	949
8	146	81	85	209	251	1040	110	278	328	192	287	734
9	129	87	82	209	239	956	101	966	280	193	308	620
10	117	86	80	199	225	692	94	1220	270	228	241	689
11	113	88	78	195	215	536	91	1310	249	225	358	918
12	115	85	80	399	210	432	89	1400	223	254	812	1160
13	137	83	78	944	207	364	97	1510	468	473	1180	1420
14	138	84	79	884	196	320	91	1530	519	477	1290	1930
15	144	84	78	826	191	292	85	1690	524	760	1270	2190
16	131	84	76	687	184	275	86	2180	435	1030	1070	2410
17	121	82	76	564	179	263	93	1800	358	835	936	2200
18	113	82	76	450	176	250	78	1260	311	782	774	1630
19	112	88	77	388	176	235	79	892	280	904	624	1220
20	109	88	77	335	172	221	80	649	270	767	588	993
21	106	87	78	364	169	209	76	530	239	741	747	886
22	102	84	80	407	166	196	84	483	254	568	939	1960
23	99	88	84	372	158	176	94	417	283	442	848	3800
24	97	95	111	594	372	164	108	415	254	506	1190	4680
25	91	94	160	667	324	156	115	446	226	683	1650	4580
26	85	92	155	593	415	154	141	460	208	594	1760	4130
27	82	88	144	479	348	152	160	437	185	519	1590	3630
28	81	83	245	428	266	129	175	405	197	441	1280	3720
29	85	77	364	392	---	124	136	377	287	371	905	3350
30	97	79	351	351	---	119	108	408	357	317	730	3040
31	97	---	268	325	---	117	---	843	---	276	656	---
TOTAL	3618	2561	3739	13117	6647	10375	3233	22828	10658	13747	23494	58260
MEAN	117	85.4	121	423	237	335	108	736	355	443	758	1942
MAX	168	95	364	944	415	1120	175	2180	649	1030	1760	4680
MIN	81	77	76	195	158	117	76	113	185	129	165	620
CFSM	.35	.26	.36	1.26	.71	1.00	.32	2.20	1.06	1.32	2.26	5.80
IN.	.40	.28	.42	1.46	.74	1.15	.36	2.53	1.18	1.53	2.61	6.47
AC-FT	7180	5080	7420	26020	13180	20580	6410	45280	21140	27270	46600	115600

CAL YR 1978	TOTAL	91224	MEAN	250	MAX	1190	MIN	48	CFSM	.75	IN	10.13	AC-FT	180900
WTR YR 1979	TOTAL	172277	MEAN	472	MAX	4680	MIN	76	CFSM	1.41	IN	19.13	AC-FT	341700

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

LOCATION.--Lat 27°52'00", long 82°13'50", in SW¼ sec.17, T.30 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, 500 ft (150 m) upstream from Alafia River, and 5.3 mi (8.5 km) northwest of Lithia.

PERIOD OF RECORD.--1934, 1935, 1941, 1943, 1946, 1954, 1960 (one discharge measurement in each year); April 1956 to September 1958; June 1966 to current year (discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Nonrecording gage.

REMARKS.--Total discharge of springs consists of discharge from a major spring and a minor spring into the Alafia River through separate runs and diversion by pumpage from the major spring pool. Discharge is affected by backwater from the Alafia River during medium and high stages. Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

AVERAGE DISCHARGE.--105 measurements, 49.2 ft³/s (1.39 m³/s), 31.8 mg/d (120,400 m³/d).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 83 ft³/s (2.35 m³/s) Oct. 3, 1967; minimum measured, 17 ft³/s (0.48 m³/s) May 6, 1975, May 24, 1977.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Time	Major Spring Instantaneous Discharge (cfs)	Temperature (Deg. C)	Time	Minor Spring Instantaneous Discharge (cfs)	Total Flow Measured (cfs)	Diversion by Pumping (cfs)
Oct. 13	1310	24.1	25.0	1130	11.5	36	6.6
Oct. 26	1620		25.0				
Nov. 29	1440	21.9	25.0	1405	8.00	30	5.3
Feb. 6	1415	28.2	25.5	1345	9.21	37	5.5
Apr. 5	1250	26.9	24.5	1215	9.29	36	5.4
May 21	1225		26.0				
Aug. 2	1132	34.2	23.0	1025	9.48	44	7.2

TAMPA BAY AND COASTAL AREAS

275857082211200 TAMPA BYPASS CANAL AT S-162 NEAR TAMPA, FL.

LOCATION (REVISED).--Lat 27°59'00", long 82°21'07", in SW¼ sec.6, T.29 S., R.20 E., Hillsborough County, Hydrologic Unit 03100206, on right bank at control structure S-162 on Tampa Bypass Canal, 0.1 mi (0.2 km) north of Buffalo Avenue, 0.5 mi (0.8 km) east of U. S. Highway 301, 5.5 mi (8.8 km) upstream from mouth, and 6.9 mi (11.1 km) northeast of downtown post office in Tampa.

DRAINAGE AREA.--Indeterminate, since January 1970; see REMARKS.

PERIOD OF RECORD.--March 1977 to current year (gage heights only).

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

REMARKS.--Upstream construction of Tampa Bypass Canal, in progress since January 1970, was continued throughout the year. Flow regulated at station by manipulation of vertical lift gates and slide gates.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.30 ft (4.663 m) Aug. 31, 1979; minimum, 9.73 ft (2.966 m) Mar. 22, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.30 ft (4.663 m) Aug. 31; minimum, 11.22 ft (3.420 m) Sept. 21.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.17	14.03	14.04	14.00	13.60	13.62	13.57	13.56	13.65	14.08	14.12	12.21
2	14.15	14.03	14.03	14.08	13.60	13.60	13.57	13.56	13.64	14.07	14.20	12.53
3	14.14	14.02	14.00	14.04	13.60	13.58	13.57	13.55	13.63	14.07	14.13	11.90
4	14.14	14.03	13.98	14.00	13.61	13.61	13.57	13.55	13.62	14.11	14.12	11.67
5	14.16	14.03	14.02	14.00	13.59	13.60	13.57	13.55	13.62	14.10	14.11	12.03
6	14.16	14.02	14.00	14.01	13.59	13.75	13.57	13.54	13.62	14.08	14.13	12.44
7	14.15	14.02	14.00	14.02	13.61	13.77	13.57	13.57	13.65	14.18	14.27	13.24
8	14.14	14.02	14.00	14.04	13.60	13.68	13.56	14.04	13.62	14.41	14.29	13.83
9	14.13	14.02	14.00	14.02	13.60	13.65	13.57	14.04	13.59	14.25	14.20	14.13
10	14.14	14.01	14.00	14.02	13.60	13.62	13.56	14.15	13.59	14.19	14.17	14.16
11	14.14	14.01	13.99	14.03	13.60	13.61	13.56	14.71	13.60	14.16	14.30	14.00
12	14.14	14.00	14.00	14.17	13.60	13.60	13.56	14.71	13.61	14.14	14.46	12.94
13	14.14	14.00	13.99	14.15	13.60	13.60	13.56	14.83	13.60	14.13	14.38	12.41
14	14.15	14.00	14.00	14.07	13.60	13.60	13.57	14.92	13.60	14.12	14.27	12.68
15	14.14	14.00	14.00	14.06	13.59	13.60	13.56	14.88	13.60	14.10	14.25	12.56
16	14.12	14.00	14.00	13.99	13.54	13.59	13.55	14.81	13.61	14.08	14.22	13.04
17	14.10	14.00	14.01	13.63	13.54	13.60	13.54	14.39	13.61	14.16	14.18	11.85
18	14.10	14.00	14.00	13.57	13.54	13.60	13.55	14.39	13.60	14.09	14.15	11.45
19	14.10	14.00	14.00	13.58	13.54	13.60	13.55	14.58	13.59	14.09	14.17	11.44
20	14.10	14.00	14.00	13.57	13.53	13.60	13.54	14.67	13.64	14.09	14.20	11.37
21	14.10	14.00	14.00	13.57	13.53	13.59	13.55	14.57	13.92	14.08	14.21	11.58
22	14.11	13.99	14.00	13.57	13.53	13.59	13.55	14.49	14.09	14.08	14.18	13.61
23	14.05	13.99	13.98	13.60	13.55	13.60	13.55	14.07	14.15	14.09	14.26	11.78
24	14.03	14.00	14.00	13.67	13.61	13.57	13.56	14.24	14.21	14.15	14.46	12.79
25	14.04	14.00	14.00	13.62	13.74	13.56	13.58	14.44	14.15	14.14	14.40	13.35
26	14.05	13.99	13.99	13.61	13.70	13.55	13.57	13.86	14.13	14.11	14.29	13.89
27	14.05	14.00	13.99	13.61	13.65	13.61	13.56	13.77	14.10	14.08	14.22	12.83
28	14.05	14.00	14.09	13.61	13.63	13.57	13.56	13.73	14.13	14.07	14.21	12.47
29	14.05	14.00	14.02	13.59	---	13.57	13.56	13.67	14.10	14.08	14.21	12.85
30	14.03	14.00	14.00	13.60	---	13.59	13.56	13.67	14.09	14.07	14.25	12.94
31	14.03	---	14.00	13.60	---	13.58	---	13.66	---	14.07	14.46	---
MEAN	14.11	14.01	14.00	13.83	13.59	13.61	13.56	14.13	13.78	14.12	14.24	12.67
MAX	14.17	14.03	14.09	14.17	13.74	13.77	13.58	14.92	14.21	14.41	14.46	14.16
MIN	14.03	13.99	13.98	13.57	13.53	13.55	13.54	13.54	13.59	14.07	14.11	11.37
CAL YR 1978	MEAN 12.75		MAX 15.22		MIN 11.43							
WTR YR 1979	MEAN 13.81		MAX 14.92		MIN 11.37							

TAMPA BAY AND COASTAL AREAS

02301802 TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL

LOCATION.--Lat 27°57'21", long 82°22'15", in SE¼ sec.14, T.29 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, at control structure S-160 on Tampa bypass canal, at southeastern city limits of Tampa, 0.3 mi (0.5 km) north of State Highway 60, and 3.4 mi (5.5 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate, since January 1970; see REMARKS.

PERIOD OF RECORD.--March 1974 to September 1974 (gage heights only); October 1974 to current year. Prior to October 1975, published as Sixmile Creek at S-160, at Tampa.

REVISED RECORDS.--WDR-76-3: 1975.

GAGE.--Dual water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1974, at datum 0.84 ft (0.256 m) higher.

REMARKS.--Upstream construction of Tampa bypass canal, in progress since January 1970, was continued throughout the year. Flow regulated at station by manipulation of vertical lift gates and slide gates. Some regulation by Structure S-162, 2.3 mi (3.7 km) upstream. Discharge figures for May, August, and September include an appreciable amount of water diverted from Hillsborough River basin.

COOPERATION.--Records of gate operations furnished by Southwest Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,860 ft³/s (109 m³/s) Sept. 30, 1979; maximum gage height, 10.99 ft (3.350 m) May 8, 1979; no flow Feb. 11-13, 1975, Apr. 30, 1976; minimum gage height, 3.84 ft (1.170 m), present datum, July 4, Aug. 11, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,860 ft³/s (109 m³/s) Sept. 30; maximum gage height, 10.99 ft (3.350 m) May 8; minimum daily discharge, 6.2 ft³/s (0.176 m³/s) Nov. 21; minimum gage height, 7.40 ft (2.256 m) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

JAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	30	46	33	56	53	43	41	74	56	66	2310
2	54	26	32	66	59	53	43	43	67	51	94	1690
3	46	30	28	49	59	47	43	37	61	51	84	1770
4	41	28	30	35	59	53	41	37	59	51	75	1200
5	41	30	32	35	63	59	41	36	57	66	68	587
6	52	32	30	38	59	127	41	36	59	58	71	372
7	52	32	27	38	68	144	37	46	67	88	153	41
8	46	32	13	52	62	96	39	662	63	282	205	31
9	48	32	26	36	59	82	41	1170	54	142	116	70
10	47	30	31	33	56	65	43	1200	54	102	92	99
11	49	30	29	38	59	59	41	2000	54	90	169	628
12	50	30	28	118	60	56	39	1980	61	78	340	1160
13	51	32	28	102	59	53	39	2060	67	80	266	1360
14	54	28	31	61	59	50	39	2340	48	82	162	2190
15	47	30	31	55	56	47	39	2460	37	75	152	2200
16	42	28	33	102	44	44	37	2450	39	73	155	2460
17	38	28	33	75	41	44	36	1350	41	116	129	2750
18	36	30	36	53	38	44	36	694	43	90	107	2880
19	34	28	33	50	38	44	37	751	43	75	99	2670
20	36	43	31	47	36	44	37	1170	31	73	124	2570
21	37	6.2	31	62	38	44	37	1360	16	66	132	2100
22	37	25	33	58	38	43	37	1320	40	68	113	3620
23	39	25	28	59	46	47	35	523	67	78	208	3580
24	37	25	36	104	68	47	37	595	117	94	390	3540
25	35	25	36	72	123	44	43	760	67	85	319	3470
26	32	25	33	65	93	41	43	187	80	73	178	3650
27	37	26	31	65	68	41	39	123	70	66	135	3680
28	35	25	67	62	59	41	41	106	60	62	126	3600
29	35	25	41	64	---	39	39	94	73	59	155	3710
30	32	25	33	59	---	46	39	85	60	59	184	3860
31	30	---	33	62	---	48	---	84	---	57	1060	---
TOTAL	1299	841.2	1010	1848	1623	1745	1182	25800	1729	2546	5727	63848
MEAN	41.9	28.0	32.6	59.6	58.0	56.3	39.4	832	57.6	82.1	185	2128
MAX	54	43	67	118	123	144	43	2460	117	282	1060	3860
MIN	30	6.2	13	33	36	39	35	36	16	51	66	31
AC-FT	2580	1670	2000	3670	3220	3460	2340	51170	3430	5050	11360	126600
CAL YR 1978	TOTAL	19807.8	MEAN	54.3	MAX	416	MIN	3.2	AC-FT	39290		
WTR YR 1979	TOTAL	109198.2	MEAN	299	MAX	3860	MIN	6.2	AC-FT	216600		

TAMPA BAY AND COASTAL AREAS

02301802 TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.04	8.94	8.99	9.36	9.02	9.01	9.03	9.02	9.18	9.08	9.13	9.70
2	9.02	8.93	8.94	9.47	9.03	9.01	9.03	9.03	9.15	9.06	9.25	9.86
3	9.01	8.92	8.92	9.42	9.03	8.99	9.03	9.00	9.12	9.06	9.21	9.25
4	8.91	8.92	8.92	9.37	9.03	9.01	9.02	9.00	9.11	9.06	9.17	9.38
5	9.01	8.93	8.94	9.37	9.04	9.03	9.02	8.99	9.10	9.13	9.14	9.70
6	9.06	8.94	8.93	9.38	9.03	9.22	9.02	8.99	9.11	9.09	9.15	9.58
7	9.06	8.94	8.92	9.38	9.06	9.26	9.00	9.05	9.15	9.18	9.44	9.00
8	9.03	8.94	9.01	9.42	9.04	9.14	9.01	9.98	9.13	9.83	9.62	8.94
9	9.03	8.94	9.33	9.37	9.03	9.10	9.02	10.00	9.09	9.42	9.33	9.14
10	9.03	8.93	9.35	9.36	9.02	9.05	9.03	9.63	9.09	9.28	9.24	9.26
11	9.04	8.93	9.34	9.38	9.03	9.03	9.02	10.47	9.09	9.23	9.49	9.49
12	9.04	8.93	9.34	9.62	9.03	9.02	9.01	10.05	9.12	9.18	9.98	8.78
13	9.04	8.93	9.34	9.58	9.03	9.01	9.01	10.17	9.15	9.19	9.80	7.98
14	9.05	8.92	9.35	9.46	9.03	9.00	9.01	9.98	9.06	9.20	9.49	9.24
15	9.02	8.92	9.35	9.44	9.02	8.99	9.01	9.56	9.00	9.17	9.45	9.06
16	8.99	8.92	9.36	9.37	8.98	8.98	9.00	9.46	9.01	9.16	9.47	9.44
17	8.98	8.92	9.36	9.08	8.97	8.98	8.99	9.28	9.02	9.33	9.38	8.46
18	8.97	8.93	9.37	9.01	8.96	8.98	8.99	9.45	9.03	9.23	9.30	7.87
19	8.96	8.92	9.36	9.00	8.96	8.98	9.00	9.56	9.03	9.17	9.27	7.51
20	8.97	8.64	9.35	8.99	8.95	8.98	9.00	9.71	8.96	9.16	9.36	7.53
21	8.97	8.74	9.35	9.04	8.96	8.98	9.00	9.29	8.85	9.13	9.39	7.94
22	8.97	8.90	9.36	9.02	8.96	8.97	9.00	9.17	8.96	9.14	9.32	9.90
23	8.97	8.91	9.34	9.03	8.98	8.99	8.98	9.19	9.04	9.18	9.57	8.36
24	8.97	8.91	9.37	9.16	9.06	8.99	9.00	9.67	9.18	9.25	10.11	8.24
25	8.94	8.91	9.37	9.07	9.21	8.98	9.03	9.55	9.04	9.21	9.94	8.21
26	8.95	8.91	9.35	9.05	9.13	8.97	9.03	9.58	9.08	9.16	9.54	8.64
27	8.96	8.88	9.35	9.05	9.06	8.97	9.01	9.37	9.09	9.13	9.40	8.51
28	8.96	8.91	9.48	9.04	9.03	8.97	9.02	9.31	9.10	9.11	9.37	8.33
29	8.96	8.91	9.39	9.04	---	8.98	9.01	9.26	9.16	9.10	9.47	8.43
30	8.95	8.91	9.36	9.03	---	9.03	9.01	9.23	9.10	9.10	9.53	8.46
31	8.94	---	9.36	9.04	---	9.06	---	9.22	---	9.09	9.66	---
MEAN	8.99	8.91	9.25	9.24	9.02	9.02	9.01	9.46	9.08	9.19	9.45	8.81
MAX	9.06	8.94	9.48	9.62	9.21	9.26	9.03	10.47	9.18	9.83	10.11	9.90
MIN	8.91	8.64	8.92	8.99	8.95	8.97	8.98	8.99	8.85	9.06	9.13	7.51
CAL YR 1978	MEAN	9.49	MAX	10.45	MIN	8.52						
WTR YR 1979	MEAN	9.12	MAX	10.47	MIN	7.51						

02301870 HILLSBOROUGH RIVER NEAR RICHLAND, FL

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1965 to current year (thrice weekly gage heights only).

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 80.00 ft (24.384 m) Sept. 28, 1979; river dry at gage for many days in some years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 80.00 ft (24.384 m) Sept. 28; river dry at gage for many days.

[illegible]

HILLSBOROUGH RIVER BASIN

02301900 FOX BRANCH NEAR SOCRUM, FL

LOCATION.--Lat 28°10'55", long 82°00'45", in NE¼ sec.33, T.26 S., R.23 E., Polk County, Hydrologic Unit 03100205, near center of span on upstream side of bridge on Rock Ridge Road, 1.1 mi (1.8 km) northeast of Socrum, 8.7 mi (14.0 km) upstream from mouth, and 10 mi (16 km) north of Lakeland.

DRAINAGE AREA.--9.5 mi² (24.6 km²), approximately.

PERIOD OF RECORD.--December 1963 to current year.

REVISED RECORDS.--WRD FL 1969; 1968(M).

GAGE.--Water-stage recorder. Datum of gage is 110.00 ft (33.528 m) unadjusted, National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Some diversion at times by pumpage for irrigation.

AVERAGE DISCHARGE.--15 years (1964-79), 8.13 ft³/s (0.230 m³/s), 11.62 in/yr (295 mm/yr), 5,890 acre-ft/yr (7.25 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 685 ft³/s (19.4 m³/s) Sept. 11, 1964; maximum gage height, 8.22 ft (2.505 m) July 26, 1978; no flow at times in some years; channel dry at gage many days in 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 330 ft³/s (9.35 m³/s) Mar. 7, gage height, 6.81 ft (2.076 m); maximum gage height, 6.95 ft (2.118 m) Sept. 22 (affected by backwater); no flow many days; minimum gage height, 1.72 ft (0.524 m) June 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	1.1	.48	.49	4.6	5.6	9.1	1.0	1.2	1.3	1.1	1.0	8.1		
2	1.1	.49	.65	4.7	5.3	8.2	1.0	.95	1.1	.75	.91	8.0		
3	1.0	.46	.60	7.1	5.0	7.3	.97	.86	.91	.49	.73	6.9		
4	.88	.44	.53	7.1	4.7	7.0	.95	.69	.67	.29	.53	22		
5	.80	.43	.53	5.5	4.6	7.6	.92	.43	.54	.19	.35	58		
6	.97	.44	.62	4.6	4.6	113	1.2	.21	.47	.15	.51	51		
7	1.0	.44	.63	4.0	5.1	241	1.4	.78	.34	.33	.93	40		
8	.86	.40	.58	4.1	6.4	77	1.4	8.4	.28	.64	1.9	23		
9	.71	.39	.57	4.2	6.5	26	1.2	155	.25	1.0	3.6	9.6		
10	.60	.38	.52	4.0	5.8	15	1.1	92	.21	1.3	5.8	14		
11	.52	.36	.51	3.8	5.3	10	1.1	30	.19	1.3	8.1	18		
12	.50	.34	.55	9.7	4.9	7.3	1.0	18	.15	1.5	21	46		
13	.57	.33	.57	38	4.6	5.7	.90	11	.08	4.8	27	59		
14	.73	.34	.57	36	4.4	4.8	.75	10	.07	18	25	61		
15	.86	.35	.53	17	4.1	4.2	.60	22	.06	14	14	56		
16	.90	.37	.50	11	4.1	3.5	.44	35	.02	20	7.0	51		
17	.85	.36	.49	8.9	4.1	3.0	.28	20	.00	31	4.7	60		
18	.79	.33	.49	7.5	4.0	2.7	.13	9.8	.00	30	9.0	50		
19	.71	.34	.48	6.5	3.9	2.3	.02	5.6	.00	21	4.9	29		
20	.70	.35	.50	5.9	3.7	2.0	.00	3.8	.00	14	7.8	14		
21	.72	.36	.55	8.3	3.6	1.8	.00	2.8	.00	11	8.9	17		
22	.70	.39	.45	12	3.7	1.6	.00	2.0	.00	8.1	5.2	131		
23	.65	.38	.44	9.5	4.0	1.5	.00	1.5	.00	8.2	3.6	99		
24	.55	.39	.81	13	4.1	1.8	.00	2.1	.84	13	5.6	54		
25	.49	.38	1.8	20	9.6	1.9	.26	4.7	.97	11	8.2	34		
26	.46	.36	2.2	14	20	1.7	1.1	5.1	1.1	8.6	22	30		
27	.43	.34	2.6	11	15	1.5	2.8	4.0	.94	6.1	25	73		
28	.43	.34	5.8	9.3	11	1.3	2.7	2.9	1.2	4.2	18	77		
29	.45	.34	11	8.0	---	1.2	2.0	2.1	1.6	2.9	12	65		
30	.47	.35	8.7	6.7	---	1.2	1.5	1.7	1.5	2.0	6.3	74		
31	.50	---	6.0	6.1	---	1.1	---	1.5	---	1.4	7.3	---		
TOTAL	22.00	11.45	51.26	312.1	167.7	573.3	26.72	456.12	14.79	238.34	266.86	1338.6		
MEAN	.71	.38	1.65	10.1	5.99	18.5	.89	14.7	.49	7.69	8.61	44.6		
MAX	1.1	.49	11	38	20	241	2.8	155	1.6	31	27	131		
MIN	.43	.33	.44	3.8	3.6	1.1	.00	.21	.00	.15	.35	6.9		
CFSM	.08	.04	.17	1.06	.63	1.95	.09	1.55	.05	.81	.91	4.70		
IN.	.09	.04	.20	1.22	.66	2.24	.10	1.79	.06	.93	1.04	5.24		
AC-FT	.44	.23	102	619	333	1140	53	905	.29	473	529	2660		
CAL YR 1978	TOTAL	3134.76	MEAN	8.59	MAX	327	MIN	.06	CFSM	.90	IN	12.27	AC-FT	6220
WTR YR 1979	TOTAL	3479.24	MEAN	9.53	MAX	241	MIN	.00	CFSM	1.00	IN	13.62	AC-FT	6900

HILLSBOROUGH RIVER BASIN

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°11'07", long 82°11'03", in NW¼ sec.35, T.26 S., R.21 E., Pasco County, Hydrologic Unit 03100205, at right bank at upstream side of bridge on former State Highway 23, 0.2 mi (0.3 km) upstream from Crystal Springs, 1.5 mi (2.4 km) west of village of Crystal Springs, and 3.0 mi (4.8 km) south of Zephyrhills.

DRAINAGE AREA.--82 mi² (212 km²), approximately.

PERIOD OF RECORD.--July 1941 to August 1964 (fragmentary); September 1964 to current year (gage heights only), incomplete. Records of elevations prior to October 1963 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 12, 1941, nonrecording gage (reference point) at present site at elevation 63.30 ft (19.294 m); Sept. 12, 1941, to May 14, 1964, nonrecording gage at present site at datum 50.97 ft (15.536 m) higher.

REMARKS.--Discharge measurements made at this site are used in conjunction with those made below Crystal Springs (Station No. 02302000) to determine spring flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, unknown; minimum observed, 51.44 ft (15.679 m) June 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 55.98 ft (17.063 m) Sept. 29; minimum observed, 51.67 ft (15.749 m) Dec. 13.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.84	51.75	51.79	51.75	52.35	52.77	52.21	51.77	52.34	51.87	52.66	54.14
2	51.84	51.75	51.75	52.59	52.33	52.73	52.17	51.83	52.25	51.85	52.58	54.10
3	51.83	51.75	51.73	52.13	52.27	52.67	52.13	51.84	52.21	51.83	52.46	54.08
4	51.83	51.73	51.73	51.97	52.23	52.63	52.11	51.81	52.11	51.83	52.56	54.08
5	51.83	51.73	51.75	51.95	52.21	53.63	52.11	51.77	52.05	51.81	52.44	54.04
6	51.90	51.72	51.75	51.99	52.21	54.17	52.09	51.81	52.01	51.87	52.38	54.02
7	51.82	51.73	51.75	51.95	52.29	54.13	52.07	52.13	51.97	51.89	52.34	54.16
8	51.84	51.73	51.75	52.00	52.23	54.05	52.05	53.85	51.97	51.87	52.30	54.30
9	51.78	51.75	51.75	51.99	52.21	54.21	52.01	53.19	51.95	51.93	52.50	54.28
10	51.78	51.75	51.73	51.95	52.17	54.41	51.99	52.81	51.91	51.91	52.44	54.24
11	51.80	51.73	51.71	51.91	52.21	54.39	51.97	52.81	51.91	52.23	52.44	54.22
12	51.78	51.73	51.68	52.81	52.21	54.27	51.95	53.35	51.91	52.13	53.18	54.30
13	51.82	51.69	51.67	52.83	52.21	54.15	51.95	53.35	51.89	52.15	53.38	55.00
14	51.82	51.71	51.73	52.45	52.15	54.03	51.93	53.35	51.87	52.01	53.50	55.38
15	51.80	51.71	51.75	52.29	52.15	53.87	51.91	53.29	51.85	52.03	53.48	55.40
16	51.78	51.71	51.73	52.17	52.17	53.79	51.93	53.15	51.83	51.99	53.66	55.46
17	51.74	51.71	51.71	52.41	52.19	53.63	51.89	53.01	51.83	52.19	53.84	55.10
18	51.74	51.71	51.71	52.45	52.19	53.53	51.89	53.01	51.81	52.17	53.90	54.90
19	51.74	51.71	51.71	52.43	52.17	53.33	51.89	53.01	51.81	52.17	53.90	54.78
20	51.77	51.71	51.71	52.37	52.15	53.21	51.87	52.95	51.79	52.32	54.06	54.68
21	51.75	51.85	51.71	52.53	52.13	53.03	51.85	52.89	51.79	52.52	54.50	54.46
22	51.73	51.85	51.71	52.45	52.11	52.89	51.83	52.71	51.85	52.70	54.50	55.40
23	51.75	51.79	51.69	52.35	52.13	52.81	51.81	52.59	51.81	52.82	54.38	55.26
24	51.75	51.73	51.75	52.85	52.95	52.79	51.81	52.53	51.79	52.90	54.28	55.50
25	51.75	51.73	51.73	52.65	53.81	52.55	51.91	52.99	51.79	53.06	54.28	55.40
26	51.73	51.73	51.71	52.55	53.23	52.47	51.95	52.85	51.75	53.08	54.04	55.32
27	51.75	51.73	51.71	52.53	52.97	52.37	51.93	52.75	51.75	53.08	54.00	55.50
28	51.75	51.73	52.21	52.53	52.87	52.31	51.91	52.67	51.85	52.98	54.02	55.60
29	51.75	51.71	51.87	52.53	---	52.27	51.87	52.53	52.15	52.90	53.94	55.98
30	51.75	51.73	51.79	52.45	---	52.25	51.85	52.41	51.93	52.84	53.86	55.80
31	51.77	---	51.75	52.43	---	52.21	---	52.43	---	52.80	54.06	---
MEAN	51.78	51.74	51.75	52.33	52.38	53.28	51.96	52.69	51.92	52.31	53.41	54.83
MAX	51.90	51.85	52.21	52.85	53.81	54.41	52.21	53.85	52.34	53.08	54.50	55.98
MIN	51.73	51.69	51.67	51.75	52.11	52.21	51.81	51.77	51.75	51.81	52.30	54.02

CAL YR 1978 MEAN 52.33 MAX 54.98 MIN 51.67
WTR YR 1979 MEAN 52.53 MAX 55.98 MIN 51.67

HILLSBOROUGH RIVER BASIN

02302000 CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°10'30", long 82°11'20", in SE¼ sec.34, T.26 S., R.21 E., Pasco County, Hydrologic Unit 03100205, at left bank of Hillsborough River, 0.2 mi (0.3 km) downstream from Crystal Springs, 2.0 mi (3.2 km) west of village of Crystal Springs, and 4.0 mi (6.4 km) south of Zephyrhills.

PERIOD OF RECORD.--October 1934 to current year (discharge measurements only). Miscellaneous discharge measurements for some periods prior to October 1934.

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

REVISED RECORDS.--WSP 1052: 1935, 1937-42, 1944, 1945.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to May 15, 1964, at present site at datum 34.67 ft (10.567 m) higher. Since Sept. 12, 1941, auxiliary nonrecording gage on Hillsborough River 0.2 mi (0.3 km) upstream from Crystal Springs. See WRD FL 1968 for history of changes and extremes prior to Jan. 19, 1953.

REMARKS.--Spring discharge is the difference between discharge measurements of Hillsborough River made below and above Crystal Springs. Since 1945, flow regulated occasionally at springs outlet for recreational purposes. Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

AVERAGE DISCHARGE.--333 measurements (1923, 1933, 1934-79), 59.2 ft³/s (1.68 m³/s), 38.3 mg/d (145,000 m³/d).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 147 ft³/s (4.16 m³/s) July 19, 1941; minimum measured, 20 ft³/s (0.58 m³/s) July 1, 1946.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Time	Spring Temperature (Deg. C)	Hillsborough River		Difference or spring flow (cfs)
			Below springs (cfs)	Above springs (cfs)	
Oct. 23	1215	24.0			
Oct. 31	1415	24.0		9.7	
Nov. 1	1313		60.1		50
Dec. 12	1240		55.1		
Jan. 8	1350	24.0	64.3	13.7	51
Mar. 7	0915	23.0			
May 3	0830	22.5	63.5	12.3	51
May 21	0930	26.0			
June 28	1425	25.5	64.8	12.6	52
Aug. 28	1010	24.0			

HILLSBOROUGH RIVER BASIN

02302240 ITCHEPACKESASSA CREEK AT KRAFT CO., NEAR LAKELAND, FL

LOCATION.--Lat 28°02'24", long 82°01'24", in NE¼ sec.20, T.28 S., R.23 E., Polk County, Hydrologic Unit 03100205, on right bank 900 ft (275 m) southeast of Kraft plant, 4.0 mi (6.4 km) west of Lakeland, and 12 mi (19 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1974 to current year (discharge measurements only). Records of discharge measurements prior to October 1978 are available in files of the Geological Survey.

TEMPERATURE OBSERVATIONS: October 1978 to September 1979. See REMARKS.

GAGE.--Nonrecording gage. Datum of gage has not been determined.

REMARKS.--Results of miscellaneous temperature observations prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 161 ft³/s (4.56 m³/s) July 5, 1977; minimum measured, 0.09 ft³/s (0.003 m³/s) Apr. 24, 1975.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)
NOV				MAY			
07...	1145	1.4	22.0	01...	1235	3.6	24.0
JAN				JUL			
08...	1325	11	18.0	10...	1540	22	28.0
MAR				SEP			
01...	1130	8.6	17.5	10...	1227	8.3	28.0

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02302500 BLACKWATER CREEK NEAR KNIGHTS, FL

LOCATION.--Lat 28°08'25", long 82°09'00", in NW¼ sec.18, T.27 S., R.22 E., Hillsborough County, Hydrologic Unit 03100205, on downstream side of center pier of bridge on State Highway 39, 2.0 mi (3.2 km) downstream from Itchepackesassa Creek, 4.4 mi (7.1 km) northwest of Knights, and 5.2 mi (8.4 km) upstream from mouth.

DRAINAGE AREA.--110 mi² (285 km²), approximately.

PERIOD OF RECORD.--January 1951 to current year.

REVISED RECORDS.--WRD FL 1969: 1953 (P).

GAGE.--Water-stage recorder. Datum of gage is 70.56 ft (21.507 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 86.4 ft³/s (2.447 m³/s), 10.67 in/yr (271 mm/yr), 62,600 acre-ft/yr (77.2 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,400 ft³/s (153 m³/s) Mar. 18, 1960, gage height, 9.70 ft (2.957 m); no flow May 22-29, 1977; minimum gage height, -0.13 ft (-0.040 m) May 28, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 7	0830	1060 30.0	6.67 2.033	Sept. 22	1300	*1670 47.3	*7.81 2.380
Sept. 15	1015	1360 38.5	7.29 2.222				

Minimum discharge, 2.3 ft³/s (0.065 m³/s) Nov. 29, gage height, 0.54 ft (0.165 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	5.5	3.6	22	35	52	13	6.5	44	13	12	577
2	20	5.4	9.4	23	32	46	11	9.6	34	10	11	264
3	15	4.8	7.6	58	29	41	11	10	34	7.7	9.9	179
4	12	4.7	5.7	43	27	39	10	9.5	26	8.1	8.7	426
5	11	4.3	5.1	29	26	47	10	8.9	21	12	9.4	344
6	11	4.1	5.0	24	25	461	11	9.1	17	10	24	217
7	10	3.9	5.1	21	30	1020	9.7	17	14	10	33	188
8	8.6	4.3	4.9	20	45	802	9.0	229	13	26	48	138
9	7.4	5.3	4.9	23	35	470	8.8	487	11	30	46	111
10	6.9	5.2	4.5	19	30	245	15	474	9.9	49	80	138
11	6.7	5.0	3.9	17	26	166	16	299	8.5	37	357	215
12	7.4	5.2	3.5	77	25	124	14	397	7.5	32	485	455
13	14	4.9	3.8	248	23	98	13	403	8.2	31	490	1090
14	14	4.3	4.0	214	23	83	11	335	15	45	361	1040
15	13	4.2	4.0	111	22	70	9.4	479	11	101	247	1230
16	11	4.0	3.8	77	21	59	7.1	420	8.0	87	191	1090
17	8.8	3.9	3.7	59	20	50	5.5	225	6.0	92	205	979
18	8.0	3.9	3.1	51	20	43	5.0	123	4.9	98	156	688
19	7.4	3.5	2.8	46	19	38	5.0	86	4.0	90	130	403
20	7.5	3.2	2.8	42	18	33	5.1	65	3.4	86	353	257
21	7.3	3.2	3.2	68	18	29	5.2	51	3.2	52	326	257
22	6.6	2.9	3.4	80	19	27	5.0	41	3.6	35	228	1480
23	6.5	2.8	3.3	58	20	26	4.2	33	3.5	33	269	1340
24	7.1	2.9	6.4	135	28	30	3.9	95	4.2	45	594	1180
25	7.1	2.8	27	155	66	27	10	192	4.5	86	736	1110
26	6.6	2.7	21	88	135	23	26	103	6.2	79	410	1010
27	6.5	2.7	13	68	87	20	20	64	7.6	45	254	1220
28	6.5	2.5	45	58	63	18	14	49	30	30	183	1100
29	6.6	2.4	81	49	---	16	9.6	40	30	23	135	1040
30	6.5	2.5	48	42	---	14	7.5	36	20	19	154	1140
31	6.0	---	30	38	---	13	---	51	---	15	485	---
TOTAL	302.0	117.0	372.5	2063	967	4230	305.0	4847.6	413.2	1336.8	7031.0	20906
MEAN	9.74	3.90	12.0	66.5	34.5	136	10.2	156	13.8	43.1	227	697
MAX	29	5.5	81	248	135	1020	26	487	44	101	736	1480
MIN	6.0	2.4	2.8	17	18	13	3.9	6.5	3.2	7.7	8.7	111
CFSM	.09	.04	.11	.61	.31	1.24	.09	1.42	.13	.39	2.06	6.34
IN.	.10	.04	.13	.70	.33	1.43	.10	1.64	.14	.45	2.38	7.07
AC-FT	599	232	739	4090	1920	8390	605	9620	820	2650	13950	41470
CAL YR 1978	TOTAL	19044.95	MEAN	52.2	MAX	725	MIN	.46	CFSM	.48	IN	6.44
WTR YR 1979	TOTAL	42891.10	MEAN	118	MAX	1480	MIN	2.4	CFSM	1.07	IN	14.50
									AC-FT	37780		
									AC-FT	85070		

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Mar. 7	1900	1,570	44.5	7.70	2.347	Sept. 23	1600	3,300	93.5	11.65	3.551
Sept. 16	0045	3,240	91.8	11.58	3.530	Sept. 30	0130	*3,860	109	*12.25	3.734

Minimum discharge, 59 ft³/s (1.67 m³/s) Nov. 29, 30, Dec. 1, gage height, 0.77 ft (0.235 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	71	62	85	130	205	106	76	152	92	121	1280
2	105	71	65	109	125	182	103	78	133	85	116	897
3	97	70	68	145	121	168	101	78	124	82	108	690
4	93	69	66	134	116	161	100	77	115	80	105	794
5	91	68	66	114	112	209	97	76	107	83	104	802
6	91	68	65	106	111	779	97	76	101	84	107	632
7	88	67	65	102	114	1510	96	90	95	91	124	614
8	85	68	65	101	131	1370	94	360	93	147	145	614
9	84	68	64	101	123	986	92	936	92	126	162	604
10	83	68	64	99	114	759	90	678	88	130	152	600
11	81	67	63	97	111	700	90	537	85	126	448	646
12	81	66	62	157	110	618	88	570	83	155	790	927
13	85	69	61	374	110	532	88	607	83	166	929	1790
14	91	66	61	334	108	464	86	507	84	136	837	2700
15	88	65	62	228	106	403	85	571	85	180	748	2810
16	84	65	62	176	105	347	83	565	81	179	587	3000
17	81	65	61	154	104	300	81	402	79	185	633	2360
18	79	65	60	150	101	263	79	276	77	206	548	1870
19	79	64	60	142	101	233	78	232	76	189	502	1360
20	77	63	60	134	100	209	78	206	76	188	713	1050
21	76	63	60	150	99	185	77	182	75	162	1230	924
22	75	65	60	183	98	168	76	161	76	146	973	2350
23	75	63	60	157	134	156	76	143	75	148	909	3180
24	75	63	64	224	277	155	76	209	75	178	1090	3050
25	74	62	77	290	440	151	80	464	74	223	1240	2870
26	73	62	80	209	510	140	82	311	74	238	997	2530
27	72	61	76	178	302	128	90	233	75	199	711	2800
28	73	60	101	164	239	122	86	193	88	172	606	3210
29	72	60	149	150	---	117	80	165	108	156	535	3060
30	72	59	123	139	---	111	76	151	110	143	505	3550
31	72	---	96	135	---	108	---	160	---	131	926	---
TOTAL	2554	1961	2208	5021	4352	11939	2611	9370	2739	4606	17701	53564
MEAN	82.4	65.4	71.2	162	155	385	87.0	302	91.3	149	571	1785
MAX	105	71	149	374	510	1510	106	936	152	238	1240	3550
MIN	72	59	60	85	98	108	76	76	74	80	104	600
AC-FT	5070	3890	4380	9960	8630	23680	5180	18590	5430	9140	35110	106200
CAL YR 1978	TOTAL	68145	MEAN 187	MAX 1710	MIN 59	AC-FT 135200						
WTR YR 1979	TOTAL	118626	MEAN 325	MAX 3550	MIN 59	AC-FT 235300						

HILLSBOROUGH RIVER BASIN

02303300 FLINT CREEK NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°04'04", long 82°16'04", in NW¼ sec.12, T.28 S., R.20 E., Hillsborough County, Hydrologic Unit 03100205, on right bank, 40 ft (12 m) upstream from control, 50 ft (15 m) upstream from bridge, 500 ft (165 m) downstream from Lake Thonotosassa, 2.0 mi (3.2 km) northeast of Thonotosassa, and 2.8 mi (4.5 km) upstream from mouth.

DRAINAGE AREA.--60 mi² (150 km²), approximately.

PERIOD OF RECORD.--September 1956 to December 1958; March to September 1970 (discharge measurements only); October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1975, at datum 32.15 ft (9.799 m) higher.

REMARKS.--Records fair. Flow regulated by manipulation of stoplogs, baseflow orifice pipes, and vertical lift gates in control. Prior to December 1975, flow regulated by manipulation of stoplogs in control.

COOPERATION.--Records of control changes furnished by Southwest Florida Water Management District.

AVERAGE DISCHARGE.--11 years (water years 1957-58, 1971-79), 37.1 ft³/s (1.051 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 534 ft³/s (15.1 m³/s) Sept. 30, 1979; maximum gage height, 37.87 ft (11.543 m), Sept. 30, 1979; no flow at times some years; minimum gage height, 33.37 ft (10.171 m), June 23, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 534 ft³/s (15.1 m³/s) Sept. 30; maximum gage height, 37.87 ft (11.543 m) Sept. 30; minimum daily discharge, 0.65 ft³/s (0.018 m³/s) June 22, 1979; minimum gage height, 33.37 ft (10.171 m) June 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	4.5	5.1	17	38	132	20	3.5	43	.75	31	159
2	4.8	3.8	5.9	20	37	118	19	2.9	39	.74	39	174
3	5.1	3.5	5.9	21	36	104	18	2.8	35	.73	35	223
4	5.5	3.2	6.3	20	34	95	17	3.3	31	.77	31	241
5	5.9	2.9	6.7	20	33	58	16	3.1	28	.88	28	216
6	6.7	2.9	6.7	21	32	43	14	2.9	24	.89	26	197
7	6.7	3.2	6.3	20	33	63	14	3.6	21	1.7	31	183
8	6.3	3.2	6.7	21	33	84	12	60	19	10	39	167
9	5.9	3.2	6.7	21	32	96	12	147	17	15	44	150
10	5.9	3.5	5.5	19	31	102	11	148	15	19	50	98
11	5.9	3.5	5.1	19	30	102	9.7	150	21	20	77	32
12	5.9	3.5	4.5	26	29	97	9.2	155	23	24	110	38
13	6.3	3.5	5.5	35	28	91	8.8	154	20	29	214	52
14	7.1	3.5	4.0	41	28	86	7.9	148	17	35	249	101
15	6.7	3.5	3.7	79	27	79	7.5	138	16	42	250	133
16	6.3	3.5	3.7	98	27	72	6.3	128	15	46	250	142
17	5.5	3.8	3.7	90	27	66	5.5	119	15	51	233	144
18	5.1	4.2	3.7	84	26	60	4.8	111	14	53	215	139
19	5.1	4.2	3.7	56	25	55	4.2	86	14	53	201	131
20	5.1	4.2	3.6	39	25	50	3.6	1.3	13	53	202	119
21	5.1	4.2	3.9	41	25	45	3.2	1.4	6.2	52	201	114
22	5.1	3.8	4.3	40	25	41	2.6	1.5	.65	50	190	192
23	5.1	4.2	3.9	39	27	39	1.8	2.0	.67	47	179	319
24	5.1	4.2	6.8	45	43	38	1.8	9.1	.77	46	158	400
25	4.8	3.8	7.6	44	60	34	2.9	47	.76	45	131	388
26	4.8	3.5	7.6	45	91	30	4.7	71	.75	43	126	375
27	4.8	3.5	7.2	46	102	27	4.7	67	.74	41	124	394
28	4.8	3.2	14	45	128	26	4.4	62	.74	38	119	436
29	5.1	3.5	16	43	---	24	4.1	57	.75	35	111	462
30	4.8	3.5	17	41	---	22	3.9	51	.76	32	109	534
31	4.8	---	17	40	---	22	---	47	---	29	124	---
TOTAL	169.9	108.7	208.3	1236	1112	2001	254.6	1983.4	452.79	914.46	3927	6453
MEAN	5.48	3.62	6.72	39.9	39.7	64.5	8.49	64.0	15.1	29.5	127	215
MAX	7.1	4.5	17	98	128	132	20	155	43	53	250	534
MIN	3.8	2.9	3.6	17	25	22	1.8	1.3	.65	.73	26	32
CAL YR 1978	TOTAL	8934.18	MEAN	24.5	MAX	252	MIN	.00				
WTR YR 1979	TOTAL	18821.15	MEAN	51.6	MAX	534	MIN	.65				

HILLSBOROUGH RIVER BASIN

02303300 FLINT CREEK NEAR THONOTOSASSA, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.37	35.39	35.41	35.66	35.64	35.86	35.10	34.70	34.78	33.78	34.62	35.38
2	35.40	35.37	35.43	35.72	35.61	35.69	35.08	34.69	34.73	33.77	34.73	35.54
3	35.41	35.36	35.43	35.74	35.59	35.53	35.06	34.69	34.67	33.76	34.67	35.52
4	35.42	35.35	35.44	35.72	35.57	35.40	35.05	34.68	34.62	33.80	34.62	35.40
5	35.43	35.34	35.45	35.72	35.54	35.30	35.03	34.67	34.56	33.90	34.56	35.23
6	35.45	35.34	35.45	35.73	35.52	35.44	35.00	34.66	34.51	33.91	34.53	35.06
7	35.45	35.35	35.44	35.72	35.54	35.70	34.98	34.69	34.46	33.95	34.61	34.93
8	35.44	35.35	35.45	35.74	35.54	35.93	34.95	35.00	34.42	34.25	34.73	34.79
9	35.43	35.35	35.45	35.73	35.53	36.06	34.94	35.24	34.38	34.35	34.80	34.62
10	35.43	35.36	35.42	35.70	35.50	36.12	34.92	35.26	34.34	34.41	34.88	34.54
11	35.43	35.36	35.41	35.70	35.48	36.12	34.90	35.28	34.29	34.44	35.20	34.63
12	35.43	35.36	35.39	35.82	35.46	36.07	34.89	35.35	34.20	34.50	35.54	34.71
13	35.44	35.36	35.37	35.95	35.44	36.01	34.88	35.33	34.11	34.59	35.79	34.90
14	35.46	35.36	35.37	36.04	35.43	35.95	34.86	35.26	34.03	34.68	35.85	35.32
15	35.45	35.36	35.36	36.06	35.42	35.88	34.85	35.13	33.97	34.77	35.86	35.46
16	35.44	35.36	35.36	35.96	35.41	35.80	34.82	34.98	33.91	34.83	35.86	35.55
17	35.42	35.37	35.36	35.85	35.41	35.73	34.80	34.81	33.86	34.89	35.72	35.57
18	35.41	35.38	35.36	35.75	35.40	35.66	34.78	34.61	33.80	34.91	35.55	35.52
19	35.41	35.38	35.36	35.66	35.37	35.60	34.76	34.43	33.74	34.92	35.41	35.43
20	35.41	35.38	35.36	35.65	35.35	35.53	34.74	34.45	33.70	34.92	35.42	35.31
21	35.41	35.38	35.37	35.69	35.35	35.47	34.73	34.52	33.67	34.90	35.41	35.25
22	35.41	35.37	35.38	35.66	35.35	35.42	34.71	34.57	33.70	34.87	35.30	36.02
23	35.41	35.38	35.37	35.65	35.42	35.39	34.68	34.62	33.72	34.84	35.19	36.52
24	35.41	35.38	35.45	35.75	35.71	35.37	34.68	34.85	33.80	34.82	35.09	36.71
25	35.40	35.37	35.47	35.74	35.96	35.32	34.72	35.15	33.79	34.81	35.07	36.69
26	35.40	35.36	35.47	35.75	36.14	35.26	34.73	35.13	33.78	34.78	35.02	36.66
27	35.40	35.36	35.46	35.76	36.12	35.22	34.73	35.08	33.77	34.75	34.99	36.87
28	35.40	35.35	35.60	35.75	36.05	35.19	34.72	35.03	33.77	34.71	34.93	37.17
29	35.41	35.36	35.65	35.72	---	35.16	34.71	34.96	33.78	34.67	34.83	37.35
30	35.40	35.36	35.67	35.69	---	35.14	34.70	34.89	33.79	34.63	34.80	37.82
31	35.40	---	35.67	35.67	---	35.13	---	34.84	---	34.58	34.99	---
MEAN	35.42	35.36	35.44	35.76	35.57	35.60	34.85	34.89	34.09	34.51	35.12	35.68
MAX	35.46	35.39	35.67	36.06	36.14	36.12	35.10	35.35	34.78	34.92	35.86	37.82
MIN	35.37	35.34	35.36	35.65	35.35	35.13	34.68	34.43	33.67	33.76	34.53	34.54
CAL YR 1978	MEAN 35.41		MAX 36.59	MIN 34.40								
WTR YR 1979	MEAN 35.19		MAX 37.82	MIN 33.67								

PEACE, WITHILACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303320 FLINT CREEK AT STATE HIGHWAY 582, NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°04'30", long 82°15'50", in SW¼ sec.1, T.28 S., R.20 E., Hillsborough County, Hydrologic Unit 03100205, at bridge on State Highway 582, 0.8 mi (1.3 km) below outlet of Lake Thonotosassa, and 2.2 mi (3.5 km) northeast of Thonotosassa.

DRAINAGE AREA.--60 mi² (150 km²), approximately.

PERIOD OF RECORD.--1962, 1965 (miscellaneous discharge measurements), April 1970 to current year (discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 508 ft³/s (14.4 m³/s) Sept. 21, 1962; no flow observed May 3, 1967, June 30, 1978.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)
OCT				MAY			
23...	1335	--	24.0	03...	1220	1.2	23.0
NOV				22...	0830	--	24.0
07...	0900	.88	19.0	JUN			
DEC				29...	1225	1.0	--
12...	1020	3.4	17.5	29...	1255	--	28.0
JAN				AUG			
09...	1530	22	15.0	30...	1730	140	29.0
MAR							
08...	1300	124	17.0				

HILLSBOROUGH RIVER BASIN

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°05'50", long 82°18'45", in NW¼ sec.33, T.27 S., R.20 E., Hillsborough County, Hydrologic Unit 03100205, on downstream side of bridge on State Highway 579, 2.9 mi (4.7 km) north of Thonotosassa, 3.4 mi (5.5 km) upstream from Trout Creek, and 29 mi (47 km) upstream from mouth.

DRAINAGE AREA.--375 mi² (975 km²), approximately.

PERIOD OF RECORD.--April 1964 to April 1965 (fragmentary); May 1965 to September 1968 (gage heights only); October 1968 to June 1972 (gage heights and miscellaneous discharge measurements); July 1972 to current year. Miscellaneous discharge measurements for some periods prior to April 1964.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Oct. 16, 1972, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years (water years 1973-79), 258 ft³/s (7.307 m³/s).

EXTREMES FOR PERIOD OF RECORD.--1964-72: Maximum gage height observed, 32.22 ft (9.821 m) Aug. 13, 14, 1965; minimum observed, 23.70 ft (7.224 m) June 8, 9, 1972.

EXTREMES FOR PERIOD OF RECORD.--1972-79: Maximum discharge, 4,100 ft³/s (116 m³/s) Sept. 24, 1979; maximum gage height, 32.74 ft (9.979 m) Sept. 30, 1979; minimum daily discharge, 36 ft³/s (1.02 m³/s) July 24, 1972; minimum gage height, 23.51 ft (7.166 m) June 17, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,100 ft³/s (116 m³/s) Sept. 24; maximum gage height, 32.74 ft (9.979 m) Sept. 30; minimum discharge, 62 ft³/s (1.76 m³/s) part or all of each day Nov. 27 to Dec. 1, gage height, 23.92 ft (7.291 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	71	66	110	191	587	139	73	251	93	168	1180
2	88	70	69	115	179	504	131	72	232	86	176	1560
3	90	68	70	124	170	443	124	71	210	82	156	1450
4	88	67	71	125	163	399	118	73	186	83	144	1240
5	86	67	71	127	157	374	114	71	166	94	135	1170
6	84	66	72	126	151	390	112	70	147	92	130	1150
7	83	66	71	123	150	737	108	74	131	89	135	1040
8	81	66	71	122	149	1560	104	112	117	117	149	939
9	79	67	70	119	148	1600	100	285	108	142	158	874
10	78	67	69	115	147	1340	98	820	103	162	166	852
11	77	67	69	112	145	1100	95	1120	97	170	204	837
12	76	66	68	131	142	941	93	1080	92	174	347	800
13	77	66	68	151	138	828	91	1030	91	183	779	1100
14	80	67	67	175	134	727	89	933	90	206	1220	1770
15	83	65	66	251	131	639	88	844	90	220	1390	2170
16	82	65	67	311	128	561	85	814	92	217	1290	2320
17	79	65	67	316	125	494	82	761	90	238	1120	2410
18	77	65	66	292	122	440	80	664	88	224	1030	2260
19	75	65	66	264	120	393	78	540	85	232	937	1990
20	75	65	65	236	117	352	76	433	81	240	921	1610
21	74	64	66	219	115	318	75	334	79	234	1110	1350
22	72	64	66	196	113	288	74	260	78	221	1540	2020
23	72	65	66	186	133	265	72	212	80	203	1480	3120
24	71	65	67	220	205	245	72	238	78	193	1390	3940
25	70	64	71	228	391	227	75	359	74	188	1460	3800
26	70	63	77	256	707	210	76	522	70	191	1530	3730
27	70	63	81	289	915	196	78	550	71	216	1410	3650
28	70	62	97	277	745	184	80	462	77	233	1180	3440
29	71	63	104	247	---	170	78	378	82	214	988	3720
30	71	63	108	224	---	158	75	315	92	195	849	3280
31	71	---	111	207	---	147	---	280	---	175	809	---
TOTAL	2406	1967	2283	5994	6231	16817	2760	13850	3328	5407	24501	60772
MEAN	77.6	65.6	73.6	193	223	542	92.0	447	111	174	790	2026
MAX	90	71	111	316	915	1600	139	1120	251	240	1540	3940
MIN	70	62	65	110	113	147	72	70	70	82	130	800
CFSM	.21	.18	.20	.52	.60	1.45	.25	1.19	.30	.46	2.11	5.40
IN.	.24	.20	.23	.59	.62	1.67	.27	1.37	.33	.54	2.43	6.03
AC=FT	4770	3900	4530	11890	12360	33360	5470	27470	6600	10720	48600	120500
CAL YR 1978	TOTAL	88355	MEAN 242	MAX 1950	MIN 62	CFSM .65	IN 8.76	AC=FT	175300			
WTR YR 1979	TOTAL	146316	MEAN 401	MAX 3940	MIN 62	CFSM 1.07	IN 14.51	AC=FT	290200			

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.58	24.22	24.02	24.95	25.94	27.44	25.26	24.24	26.19	24.73	25.77	28.67
2	24.62	24.19	24.09	25.04	25.84	27.17	25.18	24.22	26.09	24.61	25.83	29.20
3	24.67	24.14	24.12	25.18	25.76	26.95	25.10	24.20	25.95	24.53	25.64	29.06
4	24.63	24.12	24.16	25.20	25.68	26.77	25.02	24.23	25.77	24.55	25.51	28.77
5	24.58	24.10	24.16	25.22	25.61	26.64	24.96	24.20	25.60	24.75	25.39	28.67
6	24.53	24.08	24.16	25.22	25.55	26.77	24.93	24.16	25.41	24.72	25.32	28.63
7	24.51	24.07	24.14	25.18	25.53	27.73	24.87	24.25	25.24	24.67	25.39	28.45
8	24.47	24.08	24.14	25.16	25.52	29.14	24.81	24.92	25.07	25.10	25.57	28.27
9	24.43	24.10	24.11	25.11	25.51	29.20	24.75	26.28	24.94	25.42	25.65	28.15
10	24.39	24.10	24.10	25.05	25.50	28.86	24.72	27.98	24.86	25.65	25.74	28.11
11	24.37	24.08	24.08	24.98	25.48	28.49	24.68	28.52	24.78	25.73	26.04	28.08
12	24.37	24.07	24.07	25.27	25.43	28.22	24.64	28.46	24.70	25.75	26.72	28.00
13	24.38	24.07	24.03	25.54	25.38	28.00	24.60	28.38	24.69	25.83	27.93	28.51
14	24.44	24.08	24.00	25.79	25.32	27.79	24.57	28.20	24.67	26.02	28.74	29.86
15	24.51	24.04	23.99	26.27	25.28	27.58	24.54	28.03	24.68	26.11	28.98	30.32
16	24.48	24.02	24.01	26.55	25.24	27.37	24.49	27.97	24.72	26.09	28.85	30.47
17	24.43	24.02	24.01	26.58	25.20	27.18	24.44	27.85	24.68	26.24	28.58	30.55
18	24.37	24.02	23.98	26.47	25.17	26.99	24.39	27.63	24.65	26.20	28.42	30.42
19	24.33	24.02	23.97	26.35	25.12	26.82	24.35	27.30	24.58	26.24	28.27	30.16
20	24.31	24.01	23.96	26.21	25.08	26.64	24.31	26.96	24.52	26.29	28.24	29.76
21	24.29	23.99	23.97	26.11	25.04	26.49	24.28	26.57	24.48	26.25	28.56	29.43
22	24.27	23.99	23.97	25.97	25.01	26.35	24.25	26.22	24.44	26.17	29.17	30.17
23	24.25	24.02	23.97	25.90	25.23	26.22	24.22	25.94	24.49	26.06	29.10	31.02
24	24.22	24.00	24.00	26.12	26.03	26.13	24.21	26.07	24.44	25.99	28.99	31.49
25	24.21	23.97	24.12	26.17	26.79	26.01	24.28	26.68	24.36	25.95	29.08	31.62
26	24.21	23.94	24.29	26.31	27.73	25.90	24.31	27.25	24.28	25.97	29.16	31.68
27	24.21	23.93	24.38	26.46	28.17	25.79	24.36	27.33	24.29	26.14	29.01	31.74
28	24.20	23.92	24.71	26.40	27.83	25.69	24.39	27.07	24.42	26.25	28.67	32.02
29	24.22	23.93	24.84	26.27	---	25.57	24.35	26.76	24.54	26.14	28.36	32.27
30	24.22	23.93	24.91	26.14	---	25.46	24.28	26.50	24.71	26.00	28.10	32.62
31	24.23	---	24.97	26.05	---	25.35	---	26.33	---	25.82	28.01	---
MEAN	24.38	24.04	24.18	25.78	25.75	26.99	24.58	26.47	24.87	25.68	27.51	29.87
MAX	24.67	24.22	24.97	26.58	28.17	29.20	25.26	28.52	26.19	26.29	29.17	32.62
MIN	24.20	23.92	23.96	24.95	25.01	25.35	24.21	24.16	24.28	24.53	25.32	28.00
CAL YR 1978	MEAN 25.48		MAX 29.63	MIN 23.92								
WTR YR 1979	MEAN 25.84		MAX 32.62	MIN 23.92								

HILLSBOROUGH RIVER BASIN

02303332 HILLSBOROUGH RIVER AT NATURE S CLASSROOM NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°05'10", long 82°20'02", in SW¼ sec.32, T.27 S., R.20 E., Hillsborough County, Hydrologic Unit 03100205, near left bank 200 ft (60 m) upstream from office of Nature's Classroom Park, 2.9 mi (4.7 km) northwest of Thonotosassa, 1.2 mi (1.9 km) upstream from Trout Creek, and 27 mi (43 km) upstream from mouth.

DRAINAGE AREA.--377 mi² (976 km²), approximately.

PERIOD OF RECORD.--August 1971 to September 1978 (bimonthly gage heights only); October 1978 to September 1979 (monthly gage heights only). Records of gage height prior to October 1978 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 27.05 ft (8.245 m) Aug. 27, 1979; minimum observed, 21.70 ft (6.614 m) Nov. 28, 1978.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM STAGE (FT ABOVE DATUM) (00065)	DATE	TIME	STREAM STAGE (FT ABOVE DATUM) (00065)
OCT			MAY		
30...	0945	21.82	01...	0730	22.81
NOV			JUN		
28...	1300	21.70	05...	1025	23.71
JAN			25...	1210	23.19
04...	1500	22.40	JUL		
29...	1440	23.83	31...	0945	23.82
MAR			AUG		
05...	0730	24.50	27...	1515	27.05
29...	0905	23.64			

HILLSBOROUGH RIVER BASIN

02303344 TROUT CREEK TRIBUTARY NEAR WORTHINGTON GARDENS, FL

LOCATION.--Lat 28°12'54", long 82°23'24", in SE¼ sec.15, T.26 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on left downstream wingwall of box culverts on State Highway 54, 1.8 mi (2.9 km) northeast of Worthington Gardens.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1972 to August 1974 (discharge measurements and crest-stage partial records); September 1974 to current year (gage heights, discharge measurements and crest-stage partial records).

TEMPERATURE OBSERVATIONS: October 1977 to September 1978. See REMARKS.

GAGE.--Water-stage recorder. Prior to Aug. 14, 1974, nonrecording gage at present site. Datum of gage has not been determined.

REMARKS.--Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 176 ft³/s (4.98 m³/s) June 27, 1974; maximum gage height, 5.15 ft (1.570 m) May 9, 1979; no flow observed most years; creek dry at gage early June to late August 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.15 ft (1.570 m) May 9; minimum, 1.18 ft (0.360 m) Dec. 24 (estimated).

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Time	Stream-flow, Instantaneous (cfs)	Date	Time	Stream-flow, Instantaneous (cfs)
Nov 9...	1035	.00	May 8...	1337	21
Dec 26...	1613	.00	9...	1400	170
Mar 9...	0930	16	July 6...	1608	.00
Apr 24...	1155	.00	Sept 6...	1505	3.4

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	1.67	1.36	2.02	2.70	3.02	2.44	1.64	2.52	1.84	1.57	3.11
2	2.26	1.65	1.35	2.17	2.68	2.94	2.41	1.63	2.46	1.82	1.55	3.15
3	2.23	1.63	1.35	2.32	2.67	2.87	2.38	1.60	2.42	1.80	1.53	3.06
4	2.20	1.61	1.35	2.32	2.67	2.81	2.36	1.58	2.37	1.79	1.50	2.99
5	2.20	1.59	1.35	2.31	2.66	2.76	2.34	1.56	2.32	1.77	1.51	2.90
6	2.23	1.58	1.35	2.31	2.66	3.09	2.34	1.54	2.27	1.75	1.58	2.92
7	2.19	1.56	1.35	2.30	2.85	3.42	2.30	1.60	2.22	1.74	1.68	3.09
8	2.15	1.55	1.35	2.37	2.98	3.35	2.27	3.51	2.19	1.74	1.80	3.10
9	2.11	1.54	1.35	2.39	2.94	3.24	2.23	5.00	2.18	1.73	1.81	3.00
10	2.08	1.53	1.34	2.37	2.87	3.15	2.21	4.44	2.13	1.71	1.79	2.90
11	2.05	1.51	1.34	2.37	2.80	3.09	2.17	3.96	2.06	1.68	1.94	2.84
12	2.02	1.50	1.34	2.74	2.76	3.02	2.13	3.59	2.01	1.67	2.35	2.88
13	2.02	1.48	1.34	2.87	2.73	2.93	2.09	3.33	1.97	1.66	2.62	3.08
14	2.02	1.46	1.33	2.75	2.71	2.84	2.05	3.18	1.92	1.64	2.60	3.53
15	2.03	1.45	1.30	2.67	2.69	2.76	2.01	3.03	1.87	1.63	2.49	4.43
16	1.99	1.43	1.30	2.63	2.68	2.70	1.95	2.86	1.84	1.62	2.44	4.40
17	1.96	1.42	1.30	2.62	2.67	2.66	1.89	2.72	1.82	1.63	2.42	3.94
18	1.91	1.41	1.25	2.62	2.66	2.62	1.85	2.61	1.80	1.68	2.39	3.52
19	1.88	1.40	1.25	2.62	2.64	2.59	1.82	2.52	1.78	1.74	2.41	3.19
20	1.85	1.40	1.25	2.61	2.63	2.57	1.80	2.46	1.77	1.76	2.89	2.98
21	1.83	1.39	1.20	2.71	2.62	2.54	1.77	2.40	1.78	1.75	3.30	3.04
22	1.81	1.39	1.20	2.69	2.61	2.52	1.75	2.35	1.88	1.73	3.20	3.96
23	1.80	1.38	1.20	2.67	2.62	2.56	1.72	2.30	2.07	1.72	3.10	4.03
24	1.79	1.38	1.20	2.92	2.67	2.64	1.71	2.52	2.01	1.73	3.23	4.36
25	1.77	1.38	1.25	2.87	3.03	2.62	1.74	2.86	1.95	1.72	3.41	4.09
26	1.75	1.37	1.25	2.83	3.20	2.59	1.73	2.81	1.90	1.70	3.33	3.83
27	1.74	1.36	1.25	2.81	3.17	2.56	1.72	2.73	1.87	1.68	3.23	3.74
28	1.73	1.36	1.85	2.78	3.10	2.54	1.70	2.65	1.87	1.66	3.07	3.68
29	1.72	1.35	2.08	2.75	---	2.51	1.67	2.57	1.86	1.64	2.91	3.63
30	1.71	1.35	2.05	2.73	---	2.49	1.65	2.55	1.85	1.61	2.85	3.65
31	1.69	---	2.03	2.72	---	2.46	---	2.59	---	1.59	2.99	---
MEAN	1.97	1.47	1.39	2.58	2.77	2.79	2.01	2.67	2.03	1.71	2.44	3.43
MAX	2.27	1.67	2.08	2.92	3.20	3.42	2.44	5.00	2.52	1.84	3.41	4.43
MIN	1.69	1.35	1.20	2.02	2.61	2.46	1.65	1.54	1.77	1.59	1.50	2.84

CAL YR 1978 MEAN 2.24 MAX 3.91 MIN 1.20
WTR YR 1979 MEAN 2.27 MAX 5.00 MIN 1.20

NOTE.--Record estimated Dec. 15-27.

HILLSBOROUGH RIVER BASIN

02303350 TROUT CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°08'20", long 82°21'50", in SW¼ sec.13, T.27 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, at bridge on State Highway 581, 4.1 mi (6.6 km) upstream from mouth, and 9.0 mi (14.5 km) northeast of Sulphur Springs.

DRAINAGE AREA.--23 mi² (60 km²), approximately.

PERIOD OF RECORD.--September 1962 (miscellaneous high-water discharge measurements only); February 1964 to November 1966 (discharge measurements and crest-stage partial records); December 1966 to May 1974 (discharge measurements only); June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Sept. 12, 1974, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years (1975-79), 18.9 ft³/s (0.535 m³/s).

EXTREMES FOR PERIOD OF RECORD.--1962-73: Maximum discharge measured, 1,380 ft³/s (39.1 m³/s) Sept. 22, 1969; no flow observed most years.

EXTREMES FOR PERIOD OF RECORD.--1974-79: Maximum discharge, 1,540 ft³/s (43.6 m³/s) June 28, 1974, gage height, 42.85 ft (13.061 m), from floodmark; no flow many days each year; creek dry at gage many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,260 ft³/s (35.7 m³/s) May 9, gage height, 42.57 ft (12.975 m); no flow for many days; creek dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.15	.00	.00	.00	13	69	1.2	.00	4.5	.00	.00	160
2	.30	.00	.00	.00	11	48	.85	.00	3.7	.00	.00	258
3	1.7	.00	.00	.00	9.5	36	.59	.00	2.9	.00	.00	200
4	1.8	.00	.00	.00	8.3	27	.38	.00	2.2	.00	.00	120
5	1.3	.00	.00	.00	7.6	21	.29	.00	1.5	.00	.00	85
6	.81	.00	.00	.00	7.2	46	.30	.00	.92	.00	.00	65
7	1.9	.00	.00	.00	7.1	189	.13	.00	.52	.00	.00	211
8	7.2	.00	.00	.01	7.1	219	.05	227	.25	.00	.00	162
9	7.5	.00	.00	.26	7.2	158	.02	1160	.17	.00	.00	103
10	5.4	.00	.00	.56	7.0	110	.01	777	.04	.00	.00	77
11	3.7	.00	.00	.38	6.6	78	.00	439	.00	.00	.01	65
12	2.4	.00	.00	5.5	6.6	55	.00	291	.00	.00	7.6	59
13	1.6	.00	.00	21	6.6	40	.00	199	.00	.00	8.6	102
14	1.2	.00	.00	30	6.2	29	.00	140	.00	.00	14	193
15	.89	.00	.00	25	5.5	22	.00	102	.00	.00	14	422
16	.33	.00	.00	19	4.8	17	.00	76	.00	.00	9.6	510
17	.11	.00	.00	14	4.1	13	.00	52	.00	.00	7.3	351
18	.03	.00	.00	11	3.6	10	.00	33	.00	.00	6.6	243
19	.00	.00	.00	9.2	3.1	8.4	.00	20	.00	.00	6.4	171
20	.00	.00	.00	7.9	2.8	7.2	.00	13	.00	.00	8.4	121
21	.00	.00	.00	7.7	2.5	5.6	.00	8.6	.00	.00	47	98
22	.00	.00	.00	9.1	2.2	4.6	.00	6.1	.00	.00	104	356
23	.00	.00	.00	9.8	2.3	4.1	.00	4.3	.00	.00	81	431
24	.00	.00	.00	21	5.8	4.3	.00	4.0	.00	.00	72	545
25	.00	.00	.00	52	54	4.9	.00	9.0	.00	.00	89	484
26	.00	.00	.00	56	171	4.5	.00	15	.00	.00	135	376
27	.00	.00	.00	44	147	3.7	.00	12	.00	.00	120	337
28	.00	.00	.00	34	103	3.0	.00	10	.00	.00	107	470
29	.00	.00	.00	25	---	2.5	.00	8.0	.00	.00	80	738
30	.00	.00	.00	19	---	2.0	.00	6.1	.00	.00	55	635
31	.00	---	.00	16	---	1.5	---	5.1	---	.00	101	---
TOTAL	38.32	.00	.00	437.41	622.7	1243.3	3.82	3617.20	16.70	.00	1073.51	8148
MEAN	1.24	.000	.000	14.1	22.2	40.1	.13	117	.56	.000	34.6	272
MAX	7.5	.00	.00	56	171	219	1.2	1160	4.5	.00	135	738
MIN	.00	.00	.00	.00	2.2	1.5	.00	.00	.00	.00	.00	59
CFSM	.05	.000	.000	.61	.97	1.74	.006	5.09	.02	.000	1.50	11.8
IN.	.06	.00	.00	.71	1.01	2.01	.01	5.85	.03	.00	1.74	13.18

CAL YR 1978 TOTAL 8396.09 MEAN 23.0 MAX 351 MIN .00 CFSM 1.00 IN 13.58
WTR YR 1979 TOTAL 15200.96 MEAN 41.6 MAX 1160 MIN .00 CFSM 1.81 IN 24.58

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL

LOCATION.--Lat 28°19'25", long 82°23'03", in SW¼ sec.11, T.25 S., R.19 E., Pasco County, Hydrologic Unit 03100205, at center on downstream side of box culverts on State Highway 52, 3.3 mi (5.3 km) downstream from Bee Tree Branch, 6.8 mi (10.9 km) west of San Antonio, 12 mi (19 km) west of Dade City, and 25 mi (40 km) upstream from mouth.

DRAINAGE AREA.--56.0 mi² (145 km²).

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

REVISED RECORDS.--WRD FL 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is 70.00 ft (21.336 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Aug. 25, 1965, at present site at datum 70.00 ft (21.336 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years (water years 1964-79), 21.6 ft³/s (0.612 m³/s), 5.24 in/yr (133 mm/yr), 15,650 acre-ft/yr (19.3 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 717 ft³/s (20.3 m³/s) June 27, 28, 1974; maximum gage height, 5.70 ft (1.737 m) Sept. 13, 1964, present datum; no flow for many days in some years; creek dry at gage many days in 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 529 ft³/s (15.0 m³/s) Sept. 30, gage height, 4.98 ft (1.518 m); no flow many days; minimum gage height, -0.72 ft (-0.219 m) Dec. 21-27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.91	.00	.00	.00	2.0	12	1.2	.00	7.7	3.6	.00	69
2	.88	.00	.00	.00	1.8	9.1	1.2	.00	6.2	1.7	.00	59
3	.67	.00	.00	.00	1.6	7.5	1.1	.00	5.1	.85	.00	60
4	.53	.00	.00	.00	1.6	5.9	.83	.00	3.6	.42	.00	61
5	.43	.00	.00	.00	1.5	4.8	.54	.00	2.7	.30	.00	58
6	.36	.00	.00	.00	1.3	11	.39	.00	2.0	.17	.00	55
7	.30	.00	.00	.00	1.5	19	.21	.00	1.5	.09	.00	60
8	.21	.00	.00	.00	1.3	23	.13	16	1.1	.09	.00	64
9	.15	.00	.00	.00	1.0	23	.08	97	.79	.08	.11	61
10	.12	.00	.00	.01	1.0	24	.05	160	.52	.07	7.5	56
11	.11	.00	.00	.01	1.0	24	.03	180	.33	.06	17	53
12	.11	.00	.00	.12	.91	23	.02	156	.23	.06	28	51
13	.11	.00	.00	.18	.96	21	.01	125	.16	.16	50	50
14	.13	.00	.00	.24	.96	19	.01	99	.10	.36	83	58
15	.13	.00	.00	2.1	.87	18	.00	81	.08	.21	92	155
16	.09	.00	.00	3.0	.83	16	.00	68	.06	.17	82	268
17	.07	.00	.00	2.3	.67	13	.00	58	.05	.24	73	239
18	.05	.00	.00	1.8	.57	11	.00	50	.04	.20	61	184
19	.04	.00	.00	1.8	.40	8.6	.00	44	.03	.22	57	143
20	.03	.00	.00	1.9	.33	6.9	.00	38	.02	.14	68	115
21	.02	.00	.00	2.1	.27	5.5	.00	33	.01	.06	91	97
22	.01	.00	.00	1.6	.22	4.3	.00	28	.00	.04	101	88
23	.00	.00	.00	1.4	.35	4.5	.00	23	.00	.04	98	83
24	.00	.00	.00	2.4	1.1	4.7	.00	23	.00	.03	103	118
25	.00	.00	.00	2.0	8.4	4.4	.00	22	.00	.02	127	145
26	.00	.00	.00	3.4	13	3.7	.00	18	.00	.01	132	170
27	.00	.00	.00	3.9	16	3.0	.00	16	.01	.00	120	188
28	.00	.00	.00	3.6	14	2.4	.00	14	.48	.00	103	212
29	.00	.00	.00	3.2	---	1.9	.00	12	6.0	.00	87	398
30	.00	.00	.00	2.7	---	1.6	.00	11	6.2	.00	74	500
31	.00	---	.00	2.6	---	1.3	---	10	---	.00	69	---
TOTAL	5.46	.00	.00	42.36	75.44	337.1	5.80	1382.00	45.01	9.39	1723.61	3918
MEAN	.18	.000	.000	1.37	2.69	10.9	.19	44.6	1.50	.30	55.6	131
MAX	.91	.00	.00	3.9	16	24	1.2	180	7.7	3.6	132	500
MIN	.00	.00	.00	.00	.22	1.3	.00	.00	.00	.00	.00	50
CFSM	.003	.000	.000	.02	.05	.20	.003	.80	.03	.005	.99	2.34
IN.	.00	.00	.00	.03	.05	.22	.00	.92	.03	.01	1.14	2.60
AC-FT	11	.00	.00	84	150	669	12	2740	89	19	3420	7770
CAL YR 1978	TOTAL	5101.36	MEAN 14.0	MAX 85	MIN .00	CFSM .25	IN 3.39	AC-FT 10120				
WTR YR 1979	TOTAL	7544.17	MEAN 20.7	MAX 500	MIN .00	CFSM .37	IN 5.01	AC-FT 14960				

HILLSBOROUGH RIVER BASIN

02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.88	.18	-.58	-.56	1.09	1.76	.88	-.11	1.52	1.18	-.04	3.08
2	.87	.15	-.57	-.43	1.05	1.63	.87	-.16	1.41	.94	-.07	2.95
3	.81	.12	-.58	-.22	1.02	1.52	.86	-.21	1.32	.75	-.12	2.98
4	.78	.09	-.59	-.12	1.01	1.44	.80	-.24	1.19	.62	-.17	2.98
5	.75	.06	-.57	-.04	1.00	1.36	.73	-.28	1.09	.56	-.21	2.93
6	.72	.04	-.57	.03	.97	1.73	.68	-.31	.99	.48	-.22	2.89
7	.70	.02	-.58	.08	1.00	2.13	.59	-.32	.89	.40	-.11	2.96
8	.65	-.01	-.59	.24	.96	2.29	.54	1.39	.82	.39	.11	3.03
9	.61	-.03	-.60	.38	.92	2.31	.48	3.37	.74	.37	.29	2.99
10	.59	-.05	-.63	.42	.92	2.34	.44	3.84	.66	.36	1.48	2.91
11	.58	-.07	-.65	.42	.90	2.33	.40	3.95	.57	.35	2.01	2.86
12	.58	-.10	-.67	.58	.88	2.28	.37	3.82	.51	.34	2.40	2.84
13	.59	-.14	-.69	.63	.89	2.23	.35	3.61	.47	.47	2.81	2.82
14	.60	-.18	-.71	.67	.89	2.15	.34	3.42	.41	.59	3.25	2.94
15	.60	-.20	-.71	1.06	.87	2.07	.32	3.24	.38	.50	3.35	3.81
16	.57	-.22	-.71	1.21	.85	1.95	.28	3.08	.36	.47	3.24	4.35
17	.54	-.25	-.71	1.12	.82	1.82	.25	2.96	.34	.52	3.14	4.24
18	.51	-.27	-.71	1.05	.79	1.69	.22	2.85	.31	.50	2.99	3.99
19	.49	-.30	-.71	1.05	.74	1.58	.18	2.74	.28	.51	2.92	3.76
20	.47	-.33	-.71	1.06	.71	1.47	.14	2.63	.25	.44	3.08	3.55
21	.44	-.36	-.72	1.10	.69	1.37	.11	2.52	.21	.35	3.34	3.39
22	.42	-.39	-.72	1.02	.66	1.28	.07	2.40	.19	.30	3.43	3.31
23	.40	-.41	-.72	.99	.70	1.29	.02	2.28	.17	.29	3.41	3.25
24	.38	-.44	-.72	1.14	.93	1.32	.00	2.27	.13	.28	3.46	3.58
25	.35	-.47	-.72	1.09	1.54	1.29	.03	2.22	.09	.26	3.65	3.77
26	.33	-.50	-.72	1.25	1.82	1.23	.04	2.08	.05	.23	3.69	3.92
27	.31	-.53	-.72	1.29	1.96	1.15	.01	1.97	.10	.19	3.60	4.02
28	.29	-.56	-.69	1.26	1.89	1.08	-.01	1.87	.53	.14	3.46	4.12
29	.26	-.59	-.64	1.22	---	1.01	-.04	1.76	1.39	.11	3.30	4.71
30	.23	-.61	-.61	1.17	---	.95	-.08	1.68	1.41	.06	3.15	4.93
31	.21	---	-.58	1.16	---	.90	---	1.64	---	.02	3.09	---
MEAN	.53	-.21	-.66	.69	1.02	1.64	.33	2.00	.63	.42	2.18	3.46
MAX	.88	.18	-.57	1.29	1.96	2.34	.88	3.95	1.52	1.18	3.69	4.93
MIN	.21	-.61	-.72	-.56	.66	.90	-.08	-.32	.05	.02	-.22	2.82
CAL YR 1978	MEAN	1.36	MAX	3.33	MIN	-.72						
WTR YR 1979	MEAN	1.00	MAX	4.93	MIN	-.72						

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303408 CYPRESS CREEK NEAR DREXEL, FL

LOCATION.--Lat 28°16'43", long 82°24'35", in SE¼ sec.28, T.25 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on right bank 50 ft (15 m) upstream from culverts on well field access road, 4.0 mi (6.4 km) northeast of Drexel, and 22 mi (35 km) upstream from mouth.

DRAINAGE AREA.--73.2 mi² (190 km²).

PERIOD OF RECORD.--January 1977 to current year.

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 448 ft³/s (12.7 m³/s) Sept. 30, 1979, gage height, 60.01 ft (18.291 m); no flow for many days each year; creek dry at gage for many days 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 448 ft³/s (12.7 m³/s) Sept. 30, gage height, 60.01 ft (18.291 m); no flow for many days; minimum gage height, 54.47 ft (16.602 m) Nov. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	.00	.00	.00	.84	3.8	.00	.00	7.3	.00	.00	74
2	2.2	.00	.00	.00	.40	3.1	.00	.00	5.9	.00	.00	72
3	1.2	.00	.00	.00	.13	2.4	.00	.00	4.8	.00	.00	63
4	.40	.00	.00	.00	.00	2.1	.00	.00	3.6	.00	.00	55
5	.08	.00	.00	.00	.00	2.2	.00	.00	2.7	.00	.00	51
6	.00	.00	.00	.00	.00	7.6	.00	.00	1.9	.00	.00	48
7	.00	.00	.00	.00	.25	16	.00	.00	1.1	.00	.00	46
8	.00	.00	.00	.00	.38	18	.00	28	.26	.00	.00	43
9	.00	.00	.00	.00	.23	16	.00	127	.00	.00	.00	46
10	.00	.00	.00	.00	.06	15	.00	141	.00	.00	.00	51
11	.00	.00	.00	.00	.00	15	.00	156	.00	.00	.00	55
12	.00	.00	.00	.01	.00	14	.00	168	.00	.00	.00	61
13	.00	.00	.00	.49	.00	13	.00	152	.00	.00	.00	74
14	.00	.00	.00	.03	.00	13	.00	129	.00	.00	.00	71
15	.00	.00	.00	.00	.00	12	.00	103	.00	.00	.13	103
16	.00	.00	.00	.00	.00	11	.00	79	.00	.00	22	203
17	.00	.00	.00	.09	.00	10	.00	59	.00	.00	54	258
18	.00	.00	.00	.53	.00	9.4	.00	44	.00	.00	68	237
19	.00	.00	.00	.56	.00	8.6	.00	34	.00	.00	58	195
20	.00	.00	.00	.40	.00	7.6	.00	28	.00	.00	75	159
21	.00	.00	.00	1.0	.00	6.5	.00	23	.00	.00	94	139
22	.00	.00	.00	.46	.00	5.7	.00	19	.00	.00	85	138
23	.00	.00	.00	.32	.00	5.7	.00	15	.00	.00	94	125
24	.00	.00	.00	2.3	.00	6.5	.00	24	.00	.00	108	261
25	.00	.00	.00	2.4	4.0	5.6	.00	40	.00	.00	130	232
26	.00	.00	.00	2.4	7.4	4.5	.00	24	.00	.00	132	220
27	.00	.00	.00	2.4	6.4	3.5	.00	14	.00	.00	142	248
28	.00	.00	.00	2.3	5.0	2.7	.00	11	.00	.00	131	249
29	.00	.00	.00	1.8	---	1.9	.00	9.0	.00	.00	109	293
30	.00	.00	.00	1.4	---	1.0	.00	8.1	.00	.00	93	426
31	.00	---	.00	1.2	---	.33	---	8.4	---	.00	87	---
TOTAL	6.48	.00	.00	20.09	25.09	243.73	.00	1443.50	27.56	.00	1482.13	4296
MEAN	.21	.000	.000	.65	.90	7.86	.000	46.6	.92	.000	47.8	143
MAX	2.6	.00	.00	2.4	7.4	18	.00	168	7.3	.00	142	426
MIN	.00	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	43
CAL YR 1978	TOTAL	7522.03	MEAN	20.6	MAX	274	MIN	.00				
WTR YR 1979	TOTAL	7544.58	MEAN	20.7	MAX	426	MIN	.00				

HILLSBOROUGH RIVER BASIN

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL

LOCATION.--Lat 28°11'08", long 82°24'03", in SW¼ sec.27, T.26 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on right bank 30 ft (9 m) downstream from bridge on State Highway 54, 0.2 mi (0.3 km) southwest of Worthington Gardens, 4.4 mi (7.1 km) northeast of Lutz, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--117 mi² (303 km²).

PERIOD OF RECORD.--May 1964 to October 1971 (annual peak discharge and periodic discharge measurements only); November 1971 to May 1974 (gage heights and periodic discharge measurements only); June 1974 to current year.

REVISED RECORDS.--WRD FL 1974: 1964-65 (M), 1967 (M), 1970-71 (M).

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 16, 1972, nonrecording gage 1,000 ft (300 m) upstream at datum 40.00 ft (12.192 m) lower; Nov. 16, 1972, to Aug. 25, 1977, at site 30 ft (9 m) upstream at same datum.

REMARKS.--Records fair above 1.0 ft³/s (0.028 m³/s) and poor below.

AVERAGE DISCHARGE.--5 years (water years 1975-79), 47.9 ft³/s (1.357 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,210 ft³/s (34.3 m³/s) June 30, 1974, gage height, 12.56 ft (3.828 m); no flow many days some years; minimum gage height, 2.28 ft (0.695 m) estimated, June 9, 10, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 641 ft³/s (18.2 m³/s) May 11, gage height, 10.42 ft (3.176 m); no flow for many days; minimum gage height, 2.61 ft (0.796 m) Dec. 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	.24	.17	2.9	27	76	9.2	.00	66	.14	.00	198
2	6.6	.21	.11	4.0	24	72	7.7	.00	54	.10	.00	206
3	9.5	.16	.05	6.4	21	66	6.4	.00	44	.07	.00	191
4	12	.14	.03	8.4	19	59	5.3	.00	35	.04	.00	174
5	13	.09	.05	8.6	17	51	4.3	.00	27	.04	.00	157
6	14	.05	.02	8.0	16	57	3.7	.00	21	.05	.00	143
7	16	.03	.00	7.0	16	82	3.0	.12	17	.04	.04	139
8	15	.03	.00	8.0	17	90	2.6	76	14	.07	.30	142
9	12	.03	.00	9.8	16	96	2.1	359	12	.04	.37	122
10	8.7	.03	.00	12	15	100	1.8	586	8.6	.02	.45	109
11	6.4	.03	.00	12	14	96	1.5	640	6.1	.00	1.6	102
12	5.0	.02	.00	21	13	88	1.1	623	4.1	.02	14	102
13	4.2	.01	.00	47	12	78	.96	588	3.1	.03	41	115
14	3.9	.00	.00	57	12	68	.80	546	2.3	.20	47	149
15	4.0	.00	.00	56	11	59	.60	497	1.7	.49	37	276
16	3.6	.00	.00	54	10	51	.44	440	1.2	.39	25	356
17	3.0	.01	.00	53	9.9	44	.30	380	.92	.33	18	364
18	2.4	.01	.00	50	9.5	38	.19	319	.68	.49	19	354
19	2.0	.00	.00	46	9.1	33	.08	261	.50	.66	26	344
20	1.6	.00	.00	41	8.6	28	.05	208	.41	.58	65	336
21	1.4	.00	.00	41	8.4	24	.02	164	.38	.42	106	335
22	1.1	.00	.00	38	8.1	21	.00	129	.54	.33	116	389
23	.89	.00	.00	35	8.5	19	.00	101	1.1	.26	117	386
24	.74	.00	.00	43	11	21	.00	92	.84	.18	133	448
25	.56	.00	.19	49	24	23	.12	115	.64	.12	145	485
26	.47	.00	.15	46	58	22	.08	120	.47	.04	151	527
27	.38	.00	.22	41	70	20	.02	114	.35	.00	167	563
28	.34	.00	1.6	38	75	17	.00	106	.31	.00	181	568
29	.31	.00	2.2	35	---	15	.00	95	.28	.00	184	560
30	.31	.03	2.0	33	---	13	.00	84	.19	.00	183	568
31	.29	---	2.3	30	---	11	---	76	---	.00	191	---
TOTAL	154.79	1.12	9.09	941.1	560.1	1538	52.36	6719.12	324.71	5.15	1968.76	8908
MEAN	4.99	.037	.29	30.4	20.0	49.6	1.75	217	10.8	.17	63.5	297
MAX	16	.24	2.3	57	75	100	9.2	640	66	.66	191	568
MIN	.29	.00	.00	2.9	8.1	11	.00	.00	.19	.00	.00	102
CFSM	.04	.000	.002	.26	.17	.42	.02	1.86	.09	.001	.54	2.54
IN.	.05	.00	.00	.30	.18	.49	.02	2.14	.10	.00	.63	2.83
CAL YR 1978	TOTAL	22482.22	MEAN	61.6	MAX	455	MIN	.00	CFSM	.53	IN	7.15
WTR YR 1979	TOTAL	21182.30	MEAN	58.0	MAX	640	MIN	.00	CFSM	.50	IN	6.73

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.39	2.86	2.83	3.16	4.63	5.88	3.75	2.76	5.67	2.84	2.66	7.51
2	3.51	2.84	2.81	3.30	4.51	5.81	3.64	2.77	5.42	2.83	2.65	7.59
3	3.73	2.83	2.79	3.52	4.39	5.68	3.55	2.76	5.15	2.82	2.64	7.44
4	3.90	2.81	2.78	3.68	4.28	5.52	3.46	2.75	4.88	2.80	2.63	7.25
5	3.96	2.80	2.79	3.70	4.21	5.34	3.38	2.75	4.62	2.81	2.69	7.06
6	4.01	2.79	2.78	3.64	4.15	5.46	3.33	2.75	4.39	2.80	2.77	6.89
7	4.12	2.78	2.75	3.57	4.15	5.98	3.26	2.81	4.19	2.81	2.79	6.84
8	4.09	2.78	2.74	3.65	4.17	6.12	3.20	5.14	4.03	2.82	2.89	6.87
9	3.91	2.78	2.75	3.79	4.14	6.22	3.14	8.76	3.93	2.81	2.90	6.61
10	3.71	2.78	2.75	3.91	4.08	6.29	3.10	10.13	3.73	2.80	2.92	6.43
11	3.56	2.78	2.74	3.92	4.03	6.23	3.06	10.40	3.54	2.79	3.07	6.33
12	3.44	2.78	2.73	4.36	3.98	6.09	3.02	10.32	3.37	2.80	3.99	6.32
13	3.38	2.77	2.72	5.21	3.94	5.91	2.99	10.14	3.28	2.80	5.05	6.52
14	3.35	2.77	2.70	5.49	3.89	5.72	2.96	9.92	3.18	2.85	5.23	6.96
15	3.35	2.77	2.68	5.45	3.86	5.52	2.93	9.65	3.10	2.93	4.93	8.18
16	3.31	2.77	2.67	5.41	3.82	5.34	2.89	9.32	3.04	2.91	4.55	8.78
17	3.26	2.77	2.66	5.37	3.79	5.15	2.86	8.93	3.00	2.89	4.26	8.83
18	3.20	2.78	2.64	5.31	3.77	4.98	2.82	8.52	2.96	2.92	4.27	8.76
19	3.14	2.77	2.64	5.21	3.73	4.82	2.80	8.07	2.93	2.96	4.58	8.70
20	3.10	2.77	2.63	5.08	3.70	4.66	2.79	7.61	2.91	2.94	5.62	8.64
21	3.06	2.77	2.62	5.06	3.68	4.52	2.78	7.14	2.91	2.92	6.38	8.63
22	3.02	2.76	2.62	4.99	3.66	4.39	2.77	6.70	2.93	2.89	6.53	8.99
23	2.98	2.76	2.61	4.88	3.69	4.31	2.76	6.31	3.02	2.88	6.54	8.97
24	2.96	2.76	2.64	5.12	3.85	4.39	2.77	6.16	2.99	2.86	6.76	9.37
25	2.92	2.75	2.71	5.28	4.44	4.48	2.81	6.51	2.95	2.83	6.92	9.58
26	2.90	2.75	2.70	5.20	5.50	4.44	2.80	6.58	2.92	2.81	6.99	9.82
27	2.89	2.74	2.72	5.06	5.75	4.32	2.78	6.51	2.90	2.78	7.17	10.01
28	2.88	2.74	2.98	4.98	5.85	4.21	2.77	6.38	2.89	2.75	7.33	10.04
29	2.87	2.75	3.07	4.91	---	4.10	2.75	6.20	2.88	2.72	7.36	10.00
30	2.87	2.78	3.04	4.81	---	3.98	2.75	6.01	2.86	2.69	7.35	10.04
31	2.87	---	3.08	4.73	---	3.87	---	5.89	---	2.67	7.44	---
MEAN	3.34	2.78	2.75	4.57	4.20	5.15	3.02	6.67	3.55	2.83	4.83	8.13
MAX	4.12	2.86	3.08	5.49	5.85	6.29	3.75	10.40	5.67	2.96	7.44	10.04
MIN	2.87	2.74	2.61	3.16	3.66	3.87	2.75	2.75	2.86	2.67	2.63	6.32
CAL YR 1978	MEAN 4.67		MAX 9.41	MIN 2.61								
WTR YR 1979	MEAN 4.32		MAX 10.40	MIN 2.61								

HILLSBOROUGH RIVER BASIN

02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°05'20", long 82°24'33", in SE¼ sec.33, T.27 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, near center of span on downstream side of bridge on State Highway 581, 1.2 mi (1.9 km) downstream from Thirteenmile Run, 2.5 mi (4.0 km) upstream from mouth, and 5.0 mi (8.0 km) northeast of Sulphur Springs.

DRAINAGE AREA.--160 mi² (410 km²), approximately.

PERIOD OF RECORD.--February 1964 to current year. Miscellaneous discharge measurements for some periods prior to February 1964.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Nov. 3, 1967, to Mar. 13, 1978, nonrecording gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--15 years, 93.0 ft³/s (2.634 m³/s), 7.89 in/yr (200 mm/yr), 67,380 acre-ft/yr (83.1 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,150 ft³/s (60.9 m³/s) Sept. 30, 1979 (backwater from Hillsborough River); maximum gage height, 32.15 ft (9.799 m) Aug. 13, 1965 (backwater from Hillsborough River); no flow at times most years; creek dry at gage many days in 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage observed, 34.13 ft (10.403 m) Aug. 1, 1960, discharge measured, 2,060 ft³/s (58.3 m³/s), backwater from Hillsborough River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,150 ft³/s (60.9 m³/s) Sept. 30, gage height, 32.06 (9.772 m), backwater from Hillsborough River; no flow part or all of each day Nov. 9-30, Dec. 11-23; minimum gage height, 25.10 ft (7.650 m) Dec. 23, estimated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	.32	.02	1.7	46	156	16	.03	129	11	.38	340
2	8.7	.24	.01	4.5	41	141	14	.03	118	8.5	.48	399
3	7.6	.18	.01	7.7	38	130	12	.02	105	6.4	1.4	376
4	6.6	.13	.01	8.0	34	119	11	.02	90	5.0	1.4	384
5	5.9	.08	.01	7.9	32	110	10	.02	74	5.3	2.0	399
6	5.3	.05	.01	8.0	29	130	9.7	.02	61	4.3	3.8	369
7	4.6	.03	.01	8.0	29	185	8.7	.03	52	3.3	12	363
8	4.2	.02	.01	9.6	29	210	7.3	.76	43	3.7	16	308
9	4.0	.00	.01	11	28	214	6.1	473	37	3.4	24	276
10	3.8	.00	.01	11	26	206	5.4	635	30	2.4	37	259
11	3.8	.00	.00	11	24	194	4.7	677	24	1.5	80	234
12	3.7	.00	.00	21	22	185	4.0	709	19	2.6	247	196
13	4.2	.00	.00	41	21	172	3.3	724	15	16	250	188
14	5.1	.00	.00	56	19	155	2.6	770	12	16	222	277
15	6.0	.00	.00	63	18	139	2.0	770	9.5	12	195	363
16	5.4	.00	.00	63	18	119	1.5	770	7.7	8.2	176	483
17	4.6	.00	.00	63	17	101	1.0	613	6.1	6.1	152	883
18	4.0	.00	.00	62	16	86	.71	537	4.6	4.7	128	721
19	3.9	.00	.00	59	16	71	.43	440	3.3	4.0	124	478
20	3.3	.00	.00	56	15	61	.29	360	2.1	4.7	130	308
21	2.8	.00	.00	56	15	51	.18	299	1.3	4.3	171	223
22	2.3	.00	.00	55	14	44	.11	249	1.0	3.1	182	312
23	1.9	.00	.00	52	15	38	.07	209	1.4	2.2	216	340
24	1.6	.00	.01	68	23	37	.05	190	.96	3.1	251	835
25	1.3	.00	.01	77	66	33	.08	186	.48	5.4	268	1040
26	1.0	.00	.01	77	160	29	.08	169	.29	5.8	272	961
27	.82	.00	.01	74	179	26	.06	157	.27	4.9	277	795
28	.65	.00	.57	69	173	23	.04	149	17	3.8	268	887
29	.51	.00	1.3	63	---	20	.03	144	59	2.6	263	1120
30	.39	.00	.98	56	---	19	.03	139	29	1.5	268	1580
31	.37	---	.81	51	---	17	---	139	---	.75	312	---
TOTAL	117.34	1.05	3.81	1270.4	1163	3221	121.46	9584.17	953.00	166.55	4550.46	15697
MEAN	3.79	.035	.12	41.0	41.5	104	4.05	309	31.8	5.37	147	523
MAX	9.0	.32	1.3	77	179	214	16	770	129	16	312	1580
MIN	.37	.00	.00	1.7	14	17	.03	.02	.27	.75	.38	188
AC-FT	233	2.1	7.6	2520	2310	6390	241	19010	1890	330	9030	31130

CAL YR 1978 TOTAL 32062.62 MEAN 87.8 MAX 588 MIN .00 AC-FT 63600
WTR YR 1979 TOTAL 36849.24 MEAN 101 MAX 1580 MIN .00 AC-FT 73090

NOTE.--No gage-height record Oct. 1, 10-12, Oct. 20 to Nov. 9, Dec. 8-23, Sept. 14-16.

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.38	25.45	25.24	25.66	27.57	28.43	26.87	25.35	28.39	26.75	25.87	29.08
2	26.36	25.43	25.20	25.97	27.50	28.35	26.80	25.35	28.31	26.63	25.89	29.18
3	26.27	25.41	25.18	26.28	27.42	28.27	26.73	25.34	28.23	26.48	26.05	29.15
4	26.18	25.39	25.18	26.30	27.35	28.20	26.67	25.33	28.12	26.38	26.05	29.17
5	26.12	25.36	25.20	26.29	27.30	28.14	26.61	25.32	27.99	26.40	26.11	29.19
6	26.05	25.34	25.19	26.30	27.25	28.22	26.58	25.32	27.87	26.31	26.27	29.16
7	25.99	25.30	25.18	26.30	27.23	28.46	26.52	25.35	27.76	26.23	26.81	29.15
8	25.95	25.24	25.17	26.42	27.24	28.54	26.42	27.07	27.62	26.27	26.99	29.10
9	25.93	25.15	25.16	26.51	27.20	28.56	26.34	29.13	27.52	26.23	27.22	29.09
10	25.90	25.15	25.15	26.49	27.15	28.54	26.28	29.46	27.38	26.15	27.52	29.09
11	25.90	25.14	25.14	26.49	27.10	28.51	26.23	29.53	27.23	26.06	27.95	29.07
12	25.89	25.14	25.13	26.95	27.03	28.48	26.16	29.55	27.09	26.14	28.78	29.01
13	25.95	25.14	25.12	27.48	26.97	28.43	26.09	29.57	26.95	26.96	28.81	29.03
14	26.04	25.14	25.11	27.71	26.93	28.38	26.01	29.60	26.82	26.99	28.73	29.33
15	26.12	25.14	25.11	27.80	26.88	28.30	25.95	29.61	26.70	26.81	28.66	29.53
16	26.07	25.14	25.11	27.81	26.85	28.20	25.89	29.61	26.58	26.60	28.59	29.73
17	25.99	25.14	25.11	27.81	26.83	28.09	25.82	29.51	26.47	26.45	28.50	30.08
18	25.93	25.12	25.11	27.80	26.80	27.98	25.76	29.40	26.35	26.35	28.38	30.05
19	25.92	25.11	25.11	27.76	26.78	27.87	25.68	29.29	26.24	26.29	28.37	29.92
20	25.85	25.11	25.11	27.71	26.75	27.76	25.63	29.17	26.13	26.35	28.40	29.75
21	25.80	25.11	25.11	27.72	26.72	27.64	25.57	29.05	26.04	26.32	28.58	29.63
22	25.74	25.11	25.11	27.70	26.70	27.55	25.52	28.93	26.01	26.21	28.64	29.91
23	25.69	25.11	25.10	27.66	26.73	27.47	25.46	28.81	26.06	26.13	28.76	30.03
24	25.65	25.12	25.19	27.86	27.06	27.44	25.44	28.74	26.00	26.21	28.86	30.57
25	25.62	25.12	25.20	27.96	27.72	27.37	25.47	28.72	25.91	26.40	28.91	30.92
26	25.57	25.12	25.19	27.96	28.47	27.29	25.48	28.63	25.85	26.44	28.92	31.11
27	25.53	25.12	25.20	27.93	28.54	27.20	25.44	28.57	25.84	26.37	28.94	31.17
28	25.51	25.13	25.46	27.88	28.51	27.12	25.41	28.53	27.04	26.27	28.92	31.37
29	25.49	25.13	25.62	27.81	---	27.05	25.38	28.49	27.84	26.17	28.92	31.64
30	25.47	25.14	25.56	27.72	---	26.99	25.36	28.46	27.36	26.06	28.93	31.94
31	25.46	---	25.53	27.65	---	26.94	---	28.45	---	25.95	29.03	---
MEAN	25.88	25.19	25.20	27.22	27.24	27.93	25.99	28.17	26.99	26.37	27.98	29.84
MAX	26.38	25.45	25.62	27.96	28.54	28.56	26.87	29.61	28.39	26.99	29.03	31.94
MIN	25.46	25.11	25.10	25.66	26.70	26.94	25.36	25.32	25.84	25.95	25.87	29.01
CAL YR 1978	MEAN 27.06		MAX 29.39	MIN 25.10								
WTR YR 1979	MEAN 27.00		MAX 31.94	MIN 25.10								

HILLSBOROUGH RIVER BASIN

02304000 HILLSBOROUGH RIVER AT FOWLER AVENUE NEAR TAMPA, FL

LOCATION.--Lat 28°03'15", long 82°21'50", in NW¼ sec.13, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, on downstream pile of right bent of Fowler Avenue bridge, in northeast Tampa, 0.2 mi (0.3 km) downstream from Cow House Creek, 2.5 mi (4.0 km) downstream from Cypress Creek, and 20 mi (32 km) upstream from mouth.

DRAINAGE AREA.--630 mi² (1,630 km²), approximately.

PERIOD OF RECORD.--October 1933 to December 1939 (published as "near Harney"); January 1961 to current year (gage heights and miscellaneous discharge measurements only), incomplete. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Dec. 1, 1960, nonrecording gage at present site at datum 19.14 ft (5.834 m) higher; Dec. 1, 1960, to Apr. 16, 1976, nonrecording gage at present site and datum. Since Sept. 5, 1975, supplementary nonrecording gage at site 450 ft (140 m) upstream at same datum.

REMARKS.--Stage affected by withdrawal and gate operations at the Tampa Water Department dam during periods of low water. Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--1933-39, 1961-79: Maximum gage height, 32.56 ft (9.924 m), present datum, June 20, 1934; minimum observed, 19.36 ft (5.901 m) Feb. 27, 28, Mar. 3, 1962.

EXTREMES FOR PERIOD OF RECORD.--1933-39: Maximum discharge, 11,700 ft³/s (331 m³/s) June 20, 1934; minimum observed, 46 ft³/s (1.30 m³/s) Apr. 29, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 34.67 ft (10.567 m), present datum, Sept. 9, 1933, from floodmarks; discharge, 16,400 ft³/s (464 m³/s) from discharge measurement near crest.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.21 ft (8.903 m) Sept. 30, stage rising, peak occurred Oct. 1, 1979; minimum, 19.60 ft (5.974 m) Dec. 22, 23, 24.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)		TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)		TEMPER- ATURE (DEG C) (00010)
OCT 24...	0925	--		24.0	JUN 25...	1030	--		27.5
NOV 01...	0840	--		24.0	AUG 17...	1245	1770	--	
JAN 03...	1005	--		17.0	27...	1150	--		26.0
MAR 05...	0830	--		18.5	SEP 19...	0825	4400	--	
MAY 01...	0855	--		23.0	27...	1140	6080	--	
22...	0805	--		22.0					

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.18	20.16	19.85	20.13	22.57	23.59	22.72	21.11	22.74	22.40	22.46	23.82
2	21.21	20.12	19.93	20.33	22.46	23.45	22.72	21.08	22.66	22.42	22.53	23.95
3	21.20	20.07	19.99	20.52	22.36	23.20	22.73	21.02	22.53	22.45	22.55	24.29
4	21.19	20.03	20.05	20.57	22.40	23.12	22.72	20.95	22.50	22.49	22.47	24.39
5	21.21	19.98	20.11	20.65	22.45	22.93	22.73	20.89	22.51	22.39	22.47	24.37
6	21.20	19.93	20.11	20.74	22.47	22.78	22.74	20.81	22.46	22.33	22.47	24.32
7	21.20	19.89	20.09	20.81	22.49	22.56	22.74	20.78	22.45	22.36	22.53	24.33
8	21.18	19.88	20.06	20.93	22.51	22.92	22.71	21.96	22.46	22.31	22.53	24.18
9	21.15	19.87	20.03	21.01	22.49	23.94	22.68	23.17	22.47	22.30	22.52	23.99
10	21.11	19.86	19.99	21.09	22.47	24.35	22.65	24.12	22.45	22.33	22.53	23.78
11	21.05	19.83	19.97	21.15	22.45	24.38	22.59	24.72	22.41	22.42	22.58	23.57
12	20.97	19.80	19.95	21.52	22.41	24.21	22.54	25.07	22.42	22.53	22.61	23.34
13	20.92	19.77	19.93	21.92	22.37	23.98	22.49	25.19	22.44	22.53	22.82	23.37
14	20.91	19.75	19.89	22.15	22.40	23.86	22.43	25.10	22.46	22.54	23.23	23.84
15	20.91	19.73	19.86	22.36	22.47	23.65	22.37	24.93	22.48	22.62	23.82	24.96
16	20.88	19.70	19.80	22.46	22.53	23.35	22.30	24.81	22.49	22.71	24.20	25.94
17	20.84	19.70	19.74	22.58	22.59	23.08	22.20	24.59	22.48	22.81	24.31	26.53
18	20.79	19.70	19.69	22.61	22.64	23.02	22.10	24.54	22.46	22.76	24.24	26.74
19	20.74	19.71	19.65	22.62	22.58	23.07	21.99	24.37	22.41	22.73	24.15	26.63
20	20.68	19.72	19.62	22.63	22.57	23.04	21.88	24.03	22.35	22.77	24.12	26.28
21	20.61	19.71	19.61	22.65	22.60	22.98	21.77	23.74	22.30	22.71	24.04	25.87
22	20.54	19.72	19.60	22.59	22.63	23.01	21.67	23.37	22.37	22.65	24.15	26.10
23	20.46	19.73	19.60	22.58	22.67	22.93	21.55	23.08	22.41	22.62	24.48	26.63
24	20.40	19.76	19.61	22.66	22.71	22.90	21.46	23.25	22.41	22.53	24.74	27.57
25	20.34	19.77	19.62	22.60	22.79	22.80	21.48	22.83	22.36	22.46	24.90	28.04
26	20.30	19.78	19.65	22.57	22.92	22.72	21.46	22.82	22.31	22.36	24.95	28.23
27	20.25	19.79	19.69	22.60	23.16	22.79	21.42	22.94	22.29	22.35	24.90	28.29
28	20.22	19.79	19.88	22.66	23.53	22.82	21.36	23.08	22.40	22.38	24.83	28.47
29	20.21	19.78	19.95	22.69	---	22.82	21.28	23.10	22.51	22.43	24.63	28.80
30	20.19	19.78	20.00	22.68	---	22.80	21.17	23.02	22.39	22.49	24.33	29.08
31	20.18	---	20.06	22.65	---	22.77	---	22.81	---	22.45	24.04	---
MEAN	20.78	19.83	19.86	21.86	22.60	23.22	22.16	23.14	22.45	22.50	23.58	25.66
MAX	21.21	20.16	20.11	22.69	23.53	24.38	22.74	25.19	22.74	22.81	24.95	29.08
MIN	20.18	19.70	19.60	20.13	22.36	22.56	21.17	20.78	22.29	22.30	22.46	23.34

CAL YR 1978 MEAN 22.11 MAX 25.36 MIN 19.60
WTR YR 1979 MEAN 22.30 MAX 29.08 MIN 19.60

HILLSBOROUGH RIVER BASIN

02304500 HILLSBOROUGH RIVER NEAR TAMPA, FL

LOCATION.--Lat 28°01'25", long 82°25'40", in NW¼ sec.29, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, on left bank at upstream side of control structure for Tampa Reservoir, at 30th Street, 5.4 mi (8.7 km) northeast of Tampa, and 10 mi (16 km) upstream from mouth.

DRAINAGE AREA.--650 mi² (1,700 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (city of Tampa bench mark). Prior to Oct. 1, 1945, at site 2.1 mi (3.4 km) upstream at datum 0.66 ft (0.201 m) higher.

REMARKS.--Records poor. Flow regulated at station since Oct. 1, 1945, by manipulation of radial gates in spillways and on dam by city of Tampa Water Department. Capacity of reservoir insufficient to affect monthly figures of runoff. Some diversions at times by pumping from Sulphur Springs into reservoir and at point 1.3 mi (2.1 km) above station for water supply by city of Tampa. An appreciable amount of discharge diverted from basin into Tampa Bypass Canal during May, August, and September.

COOPERATION.--Records of gate operation and diversions furnished by city of Tampa Water Department.

AVERAGE DISCHARGE.--40 years (water years 1939-78), 593 ft³/s (16.79 m³/s), 12.39 in/yr (315 mm/yr), 429,600 acre-ft/yr (530 hm³/yr), adjusted for diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft³/s (413 m³/s) Mar. 21, 1960; maximum gage height, 22.89 ft (6.977 m) Aug. 2 1960; no flow Nov. 30 to Dec. 2, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.6 ft (7.80 m) Sept. 7, 1933, at former site and datum, from floodmarks, affected by backwater prior to failure of Tampa power dam, 2.1 mi (3.4 km) below former gage. A discharge of 16,500 ft³/s (467 m³/s) was measured Sept. 9, 1933.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,440 ft³/s (97.4 m³/s) Sept. 30; maximum gage height, 22.73 ft (6.928 m) July 16; gates closed and flow consists of leakage (estimated as 0.25 ft³/s, 0.007 m³/s) for many days; minimum gage height, 16.89 ft (5.148 m) Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.25	.25	.25	230	934	86	.60	416	73	106	699
2	.25	.25	.25	.25	230	925	.25	.60	416	5.0	102	600
3	.25	.25	.25	.25	131	790	38	.60	366	5.0	220	618
4	.25	.25	.25	.25	68	642	.60	.60	217	120	106	784
5	.25	.25	.25	.25	69	662	.60	.60	219	155	126	1300
6	.25	.25	.25	.25	69	963	.60	.60	195	5.0	190	1470
7	.25	.25	.25	.25	69	878	.60	.60	84	71	242	1840
8	.25	.25	.25	.25	69	871	.60	169	84	202	220	1800
9	.25	.25	.25	.25	69	1230	.60	.70	84	84	220	1730
10	.25	.25	.25	.25	69	1540	.60	7.4	84	30	218	1650
11	.25	.25	.25	.25	69	1340	.60	.70	32	5.0	582	1320
12	.25	.25	.25	.25	68	1340	.60	.70	.70	135	529	563
13	.25	.25	.25	.25	52	1340	.60	70	.70	152	734	604
14	.25	.25	.25	.25	.25	1290	.60	.70	.70	152	768	324
15	.25	.25	.25	54	.25	1280	.60	.70	.70	152	899	640
16	.25	.25	.25	123	.25	1180	.60	66	.70	287	978	1560
17	.25	.25	.25	178	.25	46	.60	212	.70	438	1140	1800
18	.25	.25	.25	232	39	573	.60	283	.70	288	999	1710
19	.25	.25	.25	232	23	420	.60	151	.70	216	401	1690
20	.25	.25	.25	232	.25	463	.60	84	.70	242	1110	1480
21	.25	.25	.25	264	.25	265	.60	73	.70	288	960	1190
22	.25	.25	.25	184	.25	333	.60	.70	.70	286	1110	1360
23	.25	.25	.25	201	91	321	.60	70	43	304	1320	1640
24	.25	.25	.25	235	205	292	.60	892	.70	304	1700	2190
25	.25	.25	.25	232	622	289	.60	160	.70	282	2050	2410
26	.25	.25	.25	230	586	151	.60	607	43	190	1960	2630
27	.25	.25	.25	232	715	86	.60	607	64	152	1980	2750
28	.25	.25	.25	232	845	118	.60	613	185	152	1980	3070
29	.25	.25	.25	232	---	87	.60	619	243	126	1980	3240
30	.25	.25	.25	232	---	86	.60	738	83	194	1930	3440
31	.25	---	.25	232	---	86	---	598	---	140	1530	---
TOTAL	7.75	7.50	7.75	3560.50	4389.75	20821	140.45	6027.80	2867.10	5235.0	28390	48102
MEAN	.25	.25	.25	115	157	672	4.68	194	95.6	169	916	1603
MAX	.25	.25	.25	264	845	1540	86	892	416	438	2050	3440
MIN	.25	.25	.25	.25	.25	46	.25	.60	.70	5.0	102	324
AC-FT	15	15	15	7060	8710	41300	279	11960	5690	10380	56310	95410
CAL YR 1978	TOTAL	114962.30	MEAN	315	MAX	2330	MIN	.10	AC-FT	228000		
WTR YR 1979	TOTAL	119556.60	MEAN	328	MAX	3440	MIN	.25	AC-FT	237100		

HILLSBOROUGH RIVER BASIN

02304500 HILLSBOROUGH RIVER NEAR TAMPA, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.91	19.72	19.26	19.45	22.12	21.67	22.38	20.55	21.81	22.03	21.64	18.18
2	20.96	19.65	19.38	19.72	22.01	21.60	22.40	20.52	21.83	22.12	21.76	17.23
3	20.96	19.54	19.48	19.97	21.94	21.39	22.43	20.42	21.72	22.20	21.73	17.16
4	20.95	19.48	19.57	20.07	22.05	21.69	22.43	20.30	21.85	22.23	21.64	17.93
5	20.97	19.43	19.66	20.18	22.15	21.51	22.45	20.17	21.94	22.03	21.74	19.20
6	20.99	19.37	19.65	20.29	22.18	21.13	22.47	20.07	21.94	22.02	21.77	19.53
7	20.99	19.31	19.59	20.39	22.19	20.15	22.48	20.08	22.03	22.09	21.83	19.93
8	20.99	19.27	19.53	20.57	22.22	19.79	22.45	21.31	22.10	21.93	21.76	19.82
9	20.97	19.24	19.43	20.68	22.19	20.61	22.42	21.62	22.15	21.90	21.66	19.67
10	20.93	19.20	19.40	20.80	22.17	20.77	22.40	22.06	22.15	21.93	21.58	19.50
11	20.80	19.16	19.39	20.89	22.16	20.98	22.36	21.45	22.13	22.05	21.32	19.00
12	20.73	19.09	19.35	21.25	22.14	20.96	22.30	21.77	22.18	22.12	20.86	18.73
13	20.67	19.04	19.30	21.65	22.11	20.96	22.23	22.15	22.23	22.04	20.59	19.20
14	20.64	18.97	19.24	21.91	22.17	21.42	22.16	22.01	22.25	22.02	20.43	18.23
15	20.64	18.86	19.15	22.13	22.25	21.41	22.10	21.63	22.28	22.08	20.49	18.57
16	20.60	18.80	18.97	22.15	22.32	21.16	22.02	21.41	22.28	22.17	20.61	18.46
17	20.55	18.80	18.80	22.22	22.41	21.06	21.90	21.31	22.27	22.06	20.58	18.16
18	20.50	18.84	18.62	22.18	22.43	21.52	21.77	21.95	22.25	21.94	20.51	17.61
19	20.43	18.88	18.42	22.19	22.37	22.01	21.65	21.98	22.19	21.91	20.60	17.28
20	20.37	18.91	18.27	22.20	22.38	22.14	21.50	21.91	22.13	22.02	20.63	17.22
21	20.29	18.92	18.24	22.20	22.39	22.16	21.37	21.70	22.09	21.88	20.63	17.75
22	20.19	18.96	18.22	22.17	22.42	22.36	21.27	21.44	22.20	21.79	20.62	18.76
23	20.11	19.00	18.21	22.22	22.42	22.28	21.14	21.48	22.18	21.78	20.48	17.92
24	20.05	19.05	18.25	22.27	22.27	22.30	21.04	22.08	22.19	21.55	20.75	18.17
25	19.97	19.11	18.32	22.17	22.08	22.20	21.04	21.19	22.14	21.46	20.16	18.08
26	19.89	19.16	18.37	22.13	21.76	22.16	21.00	21.46	22.07	21.39	19.93	18.09
27	19.83	19.18	18.41	22.14	21.46	22.34	20.93	21.64	22.06	21.46	19.96	18.07
28	19.78	19.17	18.82	22.15	21.63	22.45	20.85	21.82	22.12	21.50	20.12	17.84
29	19.80	19.16	19.01	22.20	---	22.46	20.75	21.93	22.11	21.57	20.01	18.01
30	19.79	19.14	19.15	22.21	---	22.45	20.63	21.91	21.94	21.62	19.62	18.08
31	19.75	---	19.30	22.18	---	22.42	---	21.66	---	21.55	19.20	---
MEAN	20.48	19.15	18.99	21.45	22.16	21.60	21.81	21.39	22.09	21.89	20.81	18.38
MAX	20.99	19.72	19.66	22.27	22.43	22.46	22.48	22.15	22.28	22.23	21.83	19.93
MIN	19.75	18.80	18.21	19.45	21.46	19.79	20.63	20.07	21.72	21.39	19.20	17.16
CAL YR 1978	MEAN 21.20		MAX 22.51	MIN 18.21								
WTR YR 1979	MEAN 20.84		MAX 22.48	MIN 17.16								

HILLSBOROUGH RIVER BASIN

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL

LOCATION.--Lat 28°01'15", long 82°27'07", in NE¼ sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, at swimming pool, 100 ft (30 m) west of U. S. Highway 41 in Sulphur Springs, and 500 ft (150 m) upstream from mouth of outlet channel at Hillsborough River.

PERIOD OF RECORD.--1917, 1929, 1930 (one discharge measurement in each year); February 1931 to June 1934 (monthly discharge measurements published as "at Tampa"); 1935, 1945, 1946 (miscellaneous discharge measurements); May 1956 to June 1959 (discharge measurements only); July 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 15, 1959, nonrecording gage at present site and datum.

REMARKS.--Records poor. Discharge measurements made in spring run about 300 ft (90 m) downstream from gage. Flow regulated by operating gates and stoplogs in control at swimming pool outlet at head of springs. Some diversions at times by pumping from the spring pool into Hillsborough River above the dam by the city of Tampa Water Department (see station no. 02304500 Hillsborough River near Tampa).

AVERAGE DISCHARGE.--20 years, 41.5 ft³/s (1.175 m³/s), 26.8 mg/d (101,400 m³/d), 30,070 acre-ft/yr (37.1 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--1959-79: Maximum daily discharge, not determined (probably occurred March 1960); maximum measured, 111 ft³/s (3.14 m³/s) Aug. 21, 1959; maximum gage height, 11.11 ft (3.386 m) Mar. 21, 1960 (pool flooded by Hillsborough River); minimum daily discharge, 1.6 ft³/s (0.045 m³/s) May 18, 1968 (affected by pumpage); minimum gage height, unknown, below 2.7 ft (0.82 m) most years.
Maximum discharge measured, 163 ft³/s (4.62 m³/s) Aug. 3, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 79 ft³/s (2.24 m³/s) Sept. 30; maximum gage height, 7.44 ft (2.268 m) Aug. 26; minimum daily discharge, 3.7 ft³/s (0.105 m³/s) Dec. 21 (affected by pumpage); minimum gage height, unknown, below 2.88 ft (0.878 m) many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	32	7.0	7.3	28	46	51	30	58	46	41	52
2	42	31	7.0	18	47	50	71	30	60	47	41	51
3	38	31	7.0	35	45	30	70	30	48	47	42	61
4	39	32	7.3	32	29	32	55	29	47	47	41	69
5	39	30	7.7	31	31	33	32	29	46	47	41	70
6	39	30	7.3	33	48	34	35	33	46	47	42	69
7	39	32	7.3	30	48	36	37	32	47	47	43	65
8	40	29	7.3	31	32	34	40	41	45	47	48	50
9	36	29	7.3	31	31	34	33	45	55	46	45	53
10	36	29	6.7	32	31	48	34	39	60	46	47	52
11	38	30	6.7	35	42	49	34	58	41	46	49	53
12	35	32	6.7	40	68	37	35	69	43	46	65	53
13	35	30	6.7	39	49	38	33	69	43	46	74	56
14	37	32	6.7	36	28	42	33	68	45	46	74	64
15	35	29	25	37	33	40	34	69	43	45	74	69
16	35	18	21	38	30	40	34	68	43	45	60	63
17	34	6.4	25	36	31	40	35	69	44	45	47	48
18	35	5.8	27	38	32	38	30	68	44	45	50	58
19	35	5.8	27	38	33	38	30	63	44	45	51	70
20	35	5.5	12	36	47	40	36	63	45	44	53	71
21	38	5.2	3.7	36	51	40	35	53	45	44	53	72
22	38	5.2	5.5	36	44	39	35	38	45	44	53	77
23	34	5.2	5.5	51	51	40	35	39	45	44	54	77
24	33	5.2	5.8	51	35	40	35	41	45	44	56	77
25	33	4.9	5.5	48	31	40	36	48	46	43	53	77
26	33	4.9	5.5	62	32	40	37	47	46	43	54	78
27	33	4.9	5.5	48	44	40	31	47	46	43	54	78
28	35	4.7	6.7	31	34	40	30	48	46	43	54	78
29	33	4.9	6.4	32	---	39	30	47	46	43	55	78
30	32	6.4	6.7	47	---	39	30	48	46	42	54	79
31	33	---	7.0	51	---	40	---	48	---	42	56	---
TOTAL	1115	551.0	299.5	1146.3	1085	1216	1126	1506	1403	1395	1624	1968
MEAN	36.0	18.4	9.66	37.0	38.8	39.2	37.5	48.6	46.8	45.0	52.4	65.6
MAX	42	32	27	62	68	50	71	69	60	47	74	79
MIN	32	4.7	3.7	7.3	28	30	30	29	41	42	41	48
AC-FT	2210	1090	594	2270	2150	2410	2230	2990	2780	2770	3220	3900
CAL YR 1978	TOTAL	12626.5	MEAN	34.6	MAX	59	MIN	3.7	AC-FT	25040		
WTR YR 1979	TOTAL	14434.8	MEAN	39.5	MAX	79	MIN	3.7	AC-FT	28630		

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02306289 LAKE MAGDALENE OUTLET NEAR LUTZ, FL

LOCATION.--Lat 28°04'26", long 82°30'01", in SE¼ sec.4, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on right bank of canal, 20 ft (6 m) downstream from stoplog control structure, 2 ft (0.6 m) upstream from V-notch weir, 0.1 mi (0.2 km) upstream from inlet to Bay Lake, and 5.8 mi (9.3 km) southwest of Lutz.

DRAINAGE AREA.--2.2 mi² (5.7 km²), approximately.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and V-notch sharp-crested weir since Apr. 16, 1975. Datum of gage is 42.3 ft (12.9 m) approximately, National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--9 years, 1.02 ft³/s (0.029 m³/s), 739 acre-ft/yr (0.911 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111 ft³/s (3.14 m³/s) Sept. 24, 1979; maximum gage height, 6.25 ft (1.905 m) May 8, 1979; no flow for many days most years; channel dry for many days in 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 111 ft³/s (3.14 m³/s) Sept. 24; maximum gage height, 6.25 ft (1.905 m) May 8; no flow many days; minimum gage height, 3.71 ft (1.131 m) Dec. 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	.00	.01	.01	.01	.01	.01	5.7	.24	.03	59
2	.01	.01	.00	.03	.01	.01	.01	.01	6.0	.21	.03	59
3	.02	.01	.00	.03	.01	.01	.01	.01	8.5	.21	.03	51
4	.02	.01	.00	.03	.01	.01	.01	.00	13	.49	.03	46
5	.01	.01	.00	.04	.01	.01	.01	.01	13	.59	.03	42
6	.01	.01	.00	.02	.01	.01	.01	.01	12	.41	.28	39
7	.02	.01	.00	.02	.01	.01	.01	.01	11	.26	.71	36
8	.01	.01	.01	.03	.01	.01	.01	11	10	.21	1.2	33
9	.01	.01	.01	.03	.01	.01	.01	.95	9.5	.17	2.1	32
10	.01	.01	.01	.03	.01	.01	.01	.01	8.8	.15	2.6	31
11	.01	.00	.01	.04	.01	.01	.01	.01	8.4	.14	20	30
12	.01	.00	.01	.02	.01	.01	.01	.01	7.7	.13	27	29
13	.01	.01	.01	.01	.01	.01	.01	.34	6.9	.10	27	37
14	.01	.01	.00	.01	.01	.01	.01	.69	6.2	.09	26	46
15	.01	.01	.00	.01	.01	.01	.01	.73	5.6	.11	26	51
16	.01	.01	.00	.01	.01	.01	.01	.76	5.0	.11	25	56
17	.01	.01	.00	.01	.01	.01	.01	.94	4.6	.11	26	50
18	.01	.00	.00	.02	.01	.01	.01	3.6	4.3	.10	26	41
19	.01	.00	.00	.02	.01	.01	.01	3.9	3.9	.12	27	40
20	.01	.00	.00	.03	.01	.01	.01	4.1	3.6	.08	32	40
21	.01	.00	.00	.02	.01	.01	.00	4.4	3.3	.07	33	41
22	.01	.00	.00	.02	.01	.01	.00	4.5	3.2	.06	36	61
23	.01	.00	.00	.03	.01	.01	.01	4.5	3.2	.10	37	72
24	.01	.00	.00	.02	.01	.01	.01	6.6	2.9	.10	39	99
25	.01	.00	.00	.01	.02	.01	.01	7.3	2.6	.08	40	94
26	.01	.00	.00	.01	.01	.01	.01	6.7	3.5	.07	40	102
27	.01	.00	.00	.01	.01	.01	.01	6.5	7.6	.06	48	103
28	.01	.00	.01	.02	.01	.01	.01	6.3	3.2	.05	65	101
29	.01	.00	.01	.01	---	.01	.01	5.8	.47	.04	72	100
30	.01	.00	.01	.01	---	.01	.01	5.7	.26	.06	60	97
31	.01	---	.01	.01	---	.01	---	6.1	---	.05	55	---
TOTAL	.34	.15	.10	.62	.29	.31	.28	91.50	183.93	4.77	794.04	1718
MEAN	.011	.005	.003	.020	.010	.010	.009	2.95	6.13	.15	25.6	57.3
MAX	.02	.01	.01	.04	.02	.01	.01	11	13	.59	72	103
MIN	.01	.00	.00	.01	.01	.01	.00	.00	.26	.04	.03	29
AC-FT	.7	.3	.2	1.2	.6	.6	.6	181	365	9.5	1570	3410

CAL YR 1978 TOTAL 27.13 MEAN .074 MAX 2.6 MIN .00 AC-FT 54
WTR YR 1979 TOTAL 2794.33 MEAN 7.66 MAX 103 MIN .00 AC-FT 5540

TAMPA BAY AND COASTAL AREAS

02306500 SWEETWATER CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'35", long 82°30'42", in SW¼ sec.16, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, 25 ft (8 m) upstream from culverts on private road, 160 ft (50 m) upstream from Gunn Highway, 1.7 mi (2.7 km) downstream from Lake Ellen, 3.5 mi (5.6 km) west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.

DRAINAGE AREA.--7.43 mi² (19.24 km²).

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 26.00 ft (7.925 m) National Geodetic Vertical Datum of 1929. Prior to May 3, 1974, at site 160 ft (50 m) downstream. Prior to October 15, 1965, at datum 4.68 ft (1.426 m) higher; Oct. 15, 1965 to May 15, 1967, at datum 3.00 ft (0.914 m) higher; May 15, 1967 to May 3, 1974, at present datum.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Flow affected by regulation of control structures above station. Since Feb. 10, 1953, flow occasionally diverted from Hillsborough River basin into the upper portion of Sweetwater Creek basin. Since January 1970, flow has been diverted from basin (below station) through Channel G to Rocky Creek.

AVERAGE DISCHARGE.--28 years, 6.30 ft³/s (0.178 m³/s), 4,560 acre-ft/yr (5.62 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 438 ft³/s (12.4 m³/s) Mar. 17, 1960; maximum gage height, 9.57 ft (2.917 m) May 18, 1979; no flow for many days in some years; creek dry at gage in June 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 60 ft³/s (1.7 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
May 8	1645	*211 5.98	*9.57 2.917	Aug. 31	2215	82 2.32	7.90 2.408
Aug. 11	1730	71 2.01	7.60 2.316	Sept. 15	2045	96 2.72	8.07 2.460
Aug. 19	2200	64 1.81	7.40 2.256	Sept. 26	0145	168 4.76	9.29 2.832

Minimum discharge, 0.25 ft³/s (0.007 m³/s) Nov. 5 (estimated), gage height, 4.83 ft (1.472 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	.51	1.1	1.3	1.4	3.7	2.1	.70	7.3	6.4	1.5	80
2	1.7	.38	.92	2.2	1.3	2.8	1.5	.73	6.9	5.2	1.4	77
3	1.4	.30	.92	3.1	1.2	2.3	1.4	.60	6.5	4.3	1.3	74
4	1.3	.28	.74	2.1	1.3	2.0	1.3	.50	9.5	5.3	1.2	67
5	1.2	.25	1.0	1.7	1.2	2.0	1.3	.58	10	5.7	1.3	61
6	1.6	.32	1.0	1.4	1.2	13	1.2	.61	8.7	4.8	5.4	56
7	1.5	.28	.90	1.2	1.5	16	1.1	.88	8.7	4.7	14	52
8	1.2	.31	.78	2.6	1.5	11	1.1	100	8.7	5.6	12	47
9	1.0	.28	.82	2.4	1.2	8.6	1.0	96	8.7	4.5	14	46
10	1.0	.27	.91	1.8	1.1	6.8	1.0	37	8.5	4.0	12	46
11	.93	.34	.76	1.5	1.1	5.3	1.0	25	8.2	3.7	38	43
12	.97	.38	.78	6.2	.98	4.3	.94	19	7.8	4.0	60	47
13	1.0	.37	.63	11	1.1	3.7	.92	15	7.3	3.7	59	67
14	2.1	.41	.55	5.9	1.3	3.2	.94	14	6.9	3.5	56	85
15	2.2	.45	.56	3.9	1.2	2.8	.95	12	6.4	3.3	52	84
16	1.6	.49	.55	2.9	1.2	2.5	.89	9.9	5.9	3.3	51	88
17	1.2	.52	.61	2.2	1.3	2.1	.86	9.7	5.5	3.3	46	81
18	1.0	.59	.49	1.9	1.2	1.9	.80	8.9	5.1	3.1	41	75
19	.94	.59	.56	1.7	1.2	1.7	.83	7.7	4.5	3.9	42	70
20	.88	.59	.51	1.6	1.2	1.6	.62	6.9	4.2	4.8	57	67
21	.86	.59	.54	2.2	1.1	1.6	.70	6.5	3.9	3.8	52	70
22	1.3	.73	.71	2.4	1.1	1.5	.74	6.2	3.8	3.4	50	107
23	1.5	.90	.67	1.8	1.4	2.4	.60	5.9	3.9	4.5	49	99
24	1.2	1.0	.70	7.5	2.5	2.7	.69	11	3.7	6.0	51	159
25	1.1	1.2	.83	6.0	19	2.2	1.2	13	3.6	4.7	49	146
26	1.0	1.1	.71	3.3	13	1.8	1.1	11	3.9	3.8	50	158
27	1.1	1.1	.63	2.5	8.2	1.5	.90	10	6.0	2.6	54	134
28	1.4	1.5	3.5	2.2	5.6	1.4	.86	9.2	8.7	2.2	54	112
29	1.0	.66	3.1	1.9	---	1.2	.74	8.7	7.3	2.0	57	103
30	.74	.60	2.1	1.6	---	1.1	.64	8.0	7.5	1.8	72	99
31	.57	---	1.5	1.5	---	1.4	---	7.8	---	1.5	77	---
TOTAL	38.29	17.29	30.08	91.5	76.58	116.1	29.92	463.00	197.6	123.4	1181.1	2500
MEAN	1.24	.58	.97	2.95	2.74	3.75	1.00	14.9	6.59	3.98	38.1	83.3
MAX	2.2	1.5	3.5	11	19	16	2.1	100	10	6.4	77	159
MIN	.57	.25	.49	1.2	.98	1.1	.60	.50	3.6	1.5	1.2	43
AC-FT	76	34	60	181	152	230	59	918	392	245	2340	4960

CAL YR 1978 TOTAL 953.11 MEAN 2.61 MAX 18 MIN .25 AC-FT 1890
WTR YR 1979 TOTAL 4864.86 MEAN 13.3 MAX 159 MIN .25 AC-FT 9650

NOTE.--No gage-height record Oct. 22 to Nov. 28.

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02306647 SWEETWATER CREEK NEAR TAMPA, FL

LOCATION.--Lat 28°00'48", long 82°32'45", in SW¼ sec.30, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, near right bank 30 ft (10 m) upstream from structure G-1, 3.7 mi (6.0 km) west of Tampa.

DRAINAGE AREA.--14.3 mi² (37.0 km²).

PERIOD OF RECORD.--April 1964 to current year (discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Nonrecording gage. Prior to Mar. 25, 1975, nonrecording gage 1,000 ft (300 m) upstream at datum 10 ft (3.0 m) lower.

REMARKS.--Since 1970, flow affected by concrete control structure G-1. Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 157 ft³/s (4.45 m³/s) Jan. 6, 1970; no flow observed May 16, 1967.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00001)	TEMPER- ATURE (DEG C) (00010)
OCT				APR			
02...	1445	6.5	27.0	06...	1345	2.4	24.0
26...	0850	--	21.0	MAY			
NOV				23...	1230	--	25.5
29...	1430	6.9	20.0	31...	0830	18	25.0
FEB				JUL			
08...	1330	6.8	15.5	25...	0845	14	26.0

TAMPA BAY AND COASTAL AREAS

02307000 ROCKY CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'12", long 82°34'34", in NW¼ sec.23, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on left bank 75 ft (23 m) upstream from concrete control, 2.8 mi (4.5 km) downstream from Brushy Creek, 5.8 mi (9.3 km) upstream from mouth, and 7.4 mi (11.9 km) west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.

DRAINAGE AREA.--35 mi² (90 km²), approximately.

PERIOD OF RECORD.--January 1953 to current year.

REVISED RECORDS.--WSP 1905: 1953-65(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Mar. 23, 1971, at site 1,500 ft (450 m) upstream at datum 0.15 ft (0.046 m) lower.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--26 years, 35.6 ft³/s (1.008 m³/s), 13.81 in/yr (351 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,840 ft³/s (80.4 m³/s) July 29, 1960, gage height, 17.03 ft (5.191 m) former site and datum; no flow Apr. 7 to May 5, 1967; minimum gage height, 1.19 ft (0.363 m) Nov. 3, 1963 (former site and datum).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.9 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)
May 9	0300	*1860 52.6	*10.00 3.048	Aug. 30	1800	547 15.5	7.41 2.259
Aug. 12	1200	570 16.1	7.45 2.271	Sept. 16	1700	369 10.5	6.95 2.118
Aug. 20	1800	397 11.2	7.00 2.134	Sept. 24	1700	1160 32.9	8.80 2.682

Minimum discharge, 0.50 ft³/s (0.014 m³/s) Nov 4, 5, 6, 7, 9, 10; minimum gage height, 5.26 ft (1.603 m) Nov. 30, Dec. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	1.2	2.6	7.3	23	29	11	3.5	38	6.1	13	521
2	8.4	.77	1.8	9.5	21	23	11	2.3	36	4.3	13	508
3	9.1	.63	2.6	11	19	21	9.2	1.5	34	3.3	14	401
4	8.1	.60	2.5	8.3	18	19	6.7	1.4	39	4.0	16	345
5	7.1	.50	4.1	6.5	19	18	6.8	1.4	40	8.2	26	284
6	9.4	.65	4.1	4.7	19	40	8.0	2.1	32	11	27	237
7	8.7	.56	3.7	6.0	19	101	7.6	2.6	26	6.8	68	205
8	6.1	.64	3.3	7.6	20	85	7.9	504	22	17	84	183
9	6.1	.57	3.0	8.5	19	65	8.7	1300	19	14	133	165
10	5.4	.56	3.0	8.0	17	50	9.0	489	16	8.5	114	155
11	4.6	.70	3.0	7.5	16	44	9.4	275	14	6.2	150	150
12	5.6	.76	3.4	27	16	37	9.4	220	12	6.8	490	145
13	6.8	.74	3.1	59	15	33	9.9	185	11	11	379	226
14	9.3	.80	4.3	49	15	31	8.5	185	9.6	14	296	314
15	5.7	.87	3.5	30	15	27	8.5	160	8.6	18	296	287
16	5.0	.96	3.1	22	15	25	7.8	140	7.8	12	264	333
17	4.7	1.0	3.0	19	15	21	6.4	126	7.3	14	281	324
18	4.5	1.1	2.6	17	14	21	6.1	116	6.4	11	261	290
19	4.4	1.1	3.1	14	14	19	6.3	95	6.4	10	228	276
20	5.8	1.1	4.7	13	13	16	6.1	78	5.9	10	337	254
21	6.6	1.1	5.6	17	12	16	6.8	76	5.8	16	331	235
22	7.9	1.3	7.7	19	12	15	5.9	74	5.6	14	281	472
23	9.6	1.6	8.6	17	12	17	4.8	62	5.2	14	288	472
24	6.6	1.8	10	33	13	20	5.0	74	5.1	19	321	897
25	5.6	2.2	11	40	56	18	5.9	82	4.7	25	305	764
26	5.2	2.0	12	33	106	16	4.8	70	3.7	17	296	878
27	5.8	2.0	15	26	62	13	4.7	60	3.9	12	328	786
28	7.6	2.1	28	24	36	12	4.5	54	7.2	11	305	680
29	3.8	2.6	19	23	---	12	3.7	49	14	10	287	580
30	2.7	.93	12	23	---	11	3.6	45	9.1	11	465	500
31	1.4	---	8.8	24	---	12	---	41	---	12	492	---
TOTAL	197.6	33.44	202.2	613.9	651	887	214.0	4574.8	455.3	357.2	7189	11867
MEAN	6.37	1.11	6.52	19.8	23.3	28.6	7.13	148	15.2	11.5	232	396
MAX	10	2.6	28	59	106	101	11	1300	40	25	492	897
MIN	1.4	.50	1.8	4.7	12	11	3.6	1.4	3.7	3.3	13	145
CFSM	.18	.03	.19	.57	.67	.82	.20	4.23	.43	.33	6.63	11.3
IN.	.21	.04	.21	.65	.69	.94	.23	4.86	.48	.38	7.64	12.61
CAL YR 1978	TOTAL	10629.14	MEAN	29.1	MAX	243	MIN	.50	CFSM	.83	IN	11.30
WTR YR 1979	TOTAL	27242.44	MEAN	74.6	MAX	1300	MIN	.50	CFSM	2.13	IN	28.95

TAMPA BAY AND COASTAL AREAS

02307323 BROOKER CREEK NEAR LAKE FERN, FL

LOCATION.--Lat 28°08'26", long 82°38'24", in NE¼ sec.18, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, near center span on downstream side of bridge on State Highway 582, 2.9 mi (4.7 km) downstream from Island Ford Lake, 3.7 mi (6.0 km) west of Lake Fern, 6.0 mi (9.7 km) northwest of Citrus Park, and 6.5 mi (10.5 km) upstream from mouth.

DRAINAGE AREA.--17 mi² (44 km²), approximately.

PERIOD OF RECORD.--August 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.52 ft (7.778 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 7.39 ft³/s (0.209 m³/s), 5.90 in/yr (150 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 333 ft³/s (9.43 m³/s) June 27, 1974; maximum gage height, 5.91 ft (1.801 m) Sept. 24, 1979; no flow for many days each year; creek dry at gage for many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 319 ft³/s (9.03 m³/s) Sept. 24, gage height, 5.91 ft (1.801 m); no flow for many days; creek dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	.00	.00	.04	.60	15	.20	.00	18	.00	.00	106
2	.29	.00	.00	.30	.53	13	.15	.00	14	.00	.00	92
3	.22	.00	.00	.82	.48	9.9	.11	.00	10	.00	.00	81
4	.15	.00	.00	.57	.45	7.9	.07	.00	6.5	.00	.00	76
5	.09	.00	.00	.39	.44	6.7	.06	.00	4.3	.00	.00	74
6	.05	.00	.00	.30	.44	12	.06	.00	3.1	.00	.00	70
7	.02	.00	.00	.23	.54	21	.03	.00	2.5	.00	.00	66
8	.00	.00	.00	.36	.66	14	.01	20	2.0	.00	.00	62
9	.00	.00	.00	.39	.64	9.6	.00	72	1.5	.02	.00	59
10	.00	.00	.00	.32	.56	7.1	.00	43	1.1	.03	.00	54
11	.00	.00	.00	.27	.50	6.0	.00	32	.78	.00	2.6	49
12	.00	.00	.00	2.2	.44	5.5	.00	29	.61	.00	18	44
13	.00	.00	.00	9.7	.39	6.8	.00	27	.50	.00	23	53
14	.00	.00	.00	3.6	.35	16	.00	27	.38	.00	22	87
15	.00	.00	.00	1.5	.32	16	.00	27	.31	.00	15	85
16	.00	.00	.00	1.0	.29	13	.00	26	.29	.00	9.7	81
17	.00	.00	.00	.80	.26	10	.00	25	.19	.00	8.2	73
18	.00	.00	.00	.68	.25	7.4	.00	24	.09	.00	6.7	65
19	.00	.00	.00	.60	.23	5.7	.00	23	.02	.00	6.1	60
20	.00	.00	.00	.56	.20	4.7	.00	22	.00	.00	13	55
21	.00	.00	.00	.71	.18	4.0	.00	21	.00	.00	24	51
22	.00	.00	.00	.75	.18	3.6	.00	20	.00	.00	40	54
23	.00	.00	.00	.70	.20	3.6	.00	19	.00	.00	46	79
24	.00	.00	.00	1.7	.29	3.8	.00	21	.00	.00	49	283
25	.00	.00	.00	2.1	1.3	2.5	.00	28	.00	.00	51	186
26	.00	.00	.00	1.6	3.4	1.4	.00	24	.00	.00	50	174
27	.00	.00	.00	1.2	2.4	.89	.00	20	.00	.00	48	175
28	.00	.00	.00	1.0	11	.60	.00	18	.00	.00	50	149
29	.00	.00	.00	.86	---	.44	.00	16	.00	.00	48	137
30	.00	.00	.13	.74	---	.33	.00	15	.00	.00	98	133
31	.00	---	.10	.67	---	.26	---	18	---	.00	120	---
TOTAL	1.15	.00	.23	36.66	27.52	228.72	.69	617.00	66.17	.05	748.30	2813
MEAN	.037	.000	.007	1.18	.98	7.38	.023	19.9	2.21	.002	24.1	93.8
MAX	.33	.00	.13	9.7	11	21	.20	72	18	.03	120	283
MIN	.00	.00	.00	.04	.18	.26	.00	.00	.00	.00	.00	44
CFSM	.002	.000	.000	.07	.06	.43	.001	1.17	.13	.000	1.42	5.52
IN.	.00	.00	.00	.08	.06	.50	.00	1.35	.14	.00	1.64	6.16
CAL YR 1978	TOTAL	2679.77	MEAN	7.34	MAX	64	MIN	.00	CFSM	.43	IN	5.86
WTR YR 1979	TOTAL	4539.49	MEAN	12.4	MAX	283	MIN	.00	CFSM	.73	IN	9.93

TAMPA BAY AND COASTAL AREAS

02307359 BROOKER CREEK NEAR TARPON SPRINGS, FL

LOCATION.--Lat 28°05'45", long 82°41'15", in NE¼ sec.34, T.27 S., R.16 E., Pinellas County, Hydrologic Unit 03100206, on right bank, 1.9 mi (3.1 km) upstream from mouth, and 5 mi (8 km) southeast of Tarpon Springs.

DRAINAGE AREA.--30 mi² (78 km²), approximately.

PERIOD OF RECORD.--August 1950 to current year.

REVISED RECORDS.--WRD FL 1969: 1968(M).

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 22.0 ft³/s (0.623 m³/s), 9.96 in/yr (253 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,600 ft³/s (45.3 m³/s) Mar. 17, 1960, gage height, 13.32 ft (4.060 m); no flow many days most years; minimum gage height, 5.76 ft (1.756 m) June 2-4, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 634 ft³/s (18.0 m³/s) Sept. 26, gage height, 12.42 ft (3.786 m); no flow many days; minimum gage height, 7.04 ft (2.146 m) Nov. 29, 30, Dec. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	.02	.06	.16	8.0	15	3.0	.02	27	.02	.00	132
2	.40	.01	.06	.55	6.8	13	2.5	.02	23	.01	.00	157
3	.39	.01	.05	.42	5.8	12	2.2	.01	19	.00	.00	140
4	.37	.01	.04	.32	5.2	12	2.0	.00	16	.00	.00	109
5	.35	.00	.16	.28	4.7	12	2.0	.00	14	.00	.00	87
6	.34	.00	.09	.53	4.4	28	1.9	.08	12	.01	.10	73
7	.33	.00	.07	.78	4.7	58	1.7	.10	10	.04	.47	64
8	.31	.00	.06	1.5	4.7	64	1.5	104	8.6	.01	.33	57
9	.27	.00	.07	1.8	4.5	51	1.3	345	7.0	.00	.53	57
10	.22	.00	.06	1.7	4.3	41	1.2	237	5.3	.00	.98	53
11	.21	.00	.06	2.0	3.8	34	1.0	141	4.1	.00	6.4	52
12	.22	.00	.06	11	3.4	28	.93	94	3.4	.00	91	50
13	.23	.00	.04	51	3.1	23	.85	68	2.8	.00	136	58
14	.22	.00	.04	59	2.7	19	.74	52	2.3	.00	114	83
15	.20	.00	.04	41	2.5	16	.62	43	2.0	.00	81	98
16	.17	.00	.03	31	2.2	13	.45	36	1.8	.00	59	90
17	.13	.00	.03	24	2.1	12	.32	32	1.5	.20	56	82
18	.11	.00	.03	19	2.1	12	.26	28	1.1	.10	47	74
19	.05	.00	.02	15	2.0	12	.16	25	.63	.04	39	66
20	.03	.00	.02	13	1.9	11	.07	23	.32	.03	48	58
21	.03	.00	.02	13	1.8	10	.04	21	.11	.01	41	52
22	.03	.00	.02	12	2.0	9.1	.04	19	.04	.01	35	55
23	.03	.00	.01	10	2.1	9.2	.03	18	.02	.07	43	73
24	.03	.00	.32	19	2.1	10	.04	23	.01	.26	42	478
25	.02	.00	.13	20	7.4	9.4	.23	40	.00	.11	38	449
26	.02	.00	.10	21	14	8.4	.18	40	.00	.06	38	521
27	.03	.00	.08	19	18	7.2	.09	34	.00	.03	37	516
28	.04	.00	.62	16	17	6.1	.05	28	.01	.02	36	342
29	.04	.00	.32	13	---	5.2	.03	24	.07	.01	37	249
30	.03	.00	.23	11	---	4.4	.02	21	.06	.00	54	204
31	.02	---	.18	9.5	---	3.7	---	24	---	.00	98	---
TOTAL	5.27	.05	3.12	437.54	143.3	568.7	25.45	1520.23	162.17	1.04	1178.81	4579
MEAN	.17	.002	.10	14.1	5.12	18.3	.85	49.0	5.41	.034	38.0	153
MAX	.40	.02	.62	59	18	64	3.0	345	27	.26	136	521
MIN	.02	.00	.01	.16	1.8	3.7	.02	.00	.00	.00	.00	50
CFSM	.006	.000	.003	.47	.17	.61	.03	1.63	.18	.001	1.27	5.10
IN.	.01	.00	.00	.54	.18	.71	.03	1.89	.20	.00	1.46	5.68
CAL YR 1978	TOTAL	4690.23	MEAN	12.8	MAX	125	MIN	.00	CFSM	.43	IN	5.82
WTR YR 1979	TOTAL	8624.68	MEAN	23.6	MAX	521	MIN	.00	CFSM	.79	IN	10.69

TAMPA BAY AND COASTAL AREAS

02307498 LAKE TARPON CANAL AT S-551, NEAR OLDSMAR, FL

LOCATION.--Lat 28°03'10", long 82°42'34", in NE¼ sec.16, T.28 S., R.16 E., Pinellas County, Hydrologic Unit 03100206, on right bank of outfall canal at control structure, 300 ft (90 m) east of State Highway 593, 1,000 ft (300 m) north of State Highway 586, and 3.4 mi (5.5 km) northwest of Oldsmar.

DRAINAGE AREA.--65 mi² (170 km²), approximately.

PERIOD OF RECORD.--August 1971 to September 1974 (gage heights only); October 1974 to current year.

GAGE.--Dual water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow regulated at station by manipulation of vertical lift gates and slide gates.

COOPERATION.--Records of gate operations furnished by Southwest Florida Water Management District.

AVERAGE DISCHARGE.--5 years, 39.7 ft³/s (1.124 m³/s).

EXTREMES FOR PERIOD OF RECORD.--1971-74: Maximum gage height, 14.22 ft (4.334 m) Dec. 28, 1972 (affected by seiche); minimum, 10.40 ft (3.170 m) June 5, 1974.

EXTREMES FOR PERIOD OF RECORD.--1975-79: Maximum daily discharge, 2,260 ft³/s (64.0 m³/s) Sept. 24, 1979; maximum gage height, 14.24 ft (4.340 m) Sept. 28, 1975 (affected by seiche); no flow many days each year; minimum gage height, 11.13 ft (3.392 m) July 4, 1977 (affected by seiche).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft³/s (65.1 m³/s) June 27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,260 ft³/s (64.0 m³/s) Sept. 24; maximum gage height, 13.51 ft (4.118 m) Jan. 24, May 8, (affected by seiche); no flow for many days; minimum gage height, 11.40 ft (3.475 m) July 6 (affected by seiche).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	2.5	.00	26	31	.00	.00	35	.00	.00	.00
2	.89	.00	.00	.00	18	37	.00	.19	33	.00	.00	.24
3	.00	.00	.00	3.0	17	26	.00	.00	33	.00	.50	929
4	.00	.00	1.6	.00	17	26	.00	.21	30	.00	.00	161
5	.00	.00	.00	2.1	21	30	.00	.00	23	.00	.00	.00
6	.00	1.6	.00	.00	14	99	.24	.00	20	.37	.05	.00
7	.00	.00	.00	.00	23	157	.00	.00	23	.00	1.2	.53
8	.00	.00	1.6	2.7	28	142	.00	1350	18	.00	.00	.00
9	.53	1.9	.00	1.9	34	135	.00	1390	15	.00	.00	.00
10	.00	.00	.00	.24	20	121	.00	873	12	.00	.52	5.8
11	.00	.00	2.0	13	17	118	.00	631	9.8	.00	11	353
12	.00	.00	.00	51	15	94	.00	604	181	.00	1350	266
13	.57	1.4	.00	84	21	79	.00	203	.24	.00	.81	91
14	.00	.00	.00	97	12	72	.00	.00	.00	.00	14	919
15	.00	.00	2.1	94	11	67	.00	.00	.00	.00	37	54
16	.98	.00	.00	382	15	53	.00	.00	.00	.00	51	.00
17	.00	.00	.00	243	14	45	.00	.00	.00	.00	772	9.0
18	.00	.00	2.5	24	12	41	.00	.00	.80	.00	561	20
19	.00	.00	.00	27	11	37	.00	.00	.00	.00	.00	30
20	1.2	2.8	.00	17	8.6	33	.00	.00	.00	.35	.84	199
21	.00	.00	.00	39	7.5	30	.00	.00	.00	.00	9.8	754
22	.00	.00	5.7	47	10	24	.00	.00	.80	.00	23	480
23	1.2	.00	.00	31	16	9.9	.24	.00	.00	.00	41	.00
24	.00	.00	.00	56	8.6	1.9	.00	.00	.00	.00	904	2260
25	.00	.00	.00	60	28	2.6	.00	1.0	.00	.00	28	816
26	.00	.00	1.9	261	45	1.2	.00	.00	.00	.00	.00	1550
27	.89	.63	.00	140	39	.67	.00	.00	.00	.20	3.5	2080
28	.00	.00	.00	51	30	.24	.00	.00	.00	.00	11	1370
29	.00	.00	2.4	45	---	.00	.00	.00	.65	.00	268	908
30	.42	.00	.00	21	---	.00	.00	.00	.00	.00	297	163
31	.00	---	.00	30	---	.00	---	15	---	.00	385	---
TOTAL	6.68	8.33	22.30	1822.94	538.7	1513.51	.48	5067.40	435.29	.92	4770.22	13418.57
MEAN	.22	.28	.72	58.8	19.2	48.8	.016	163	14.5	.030	154	447
MAX	1.2	2.8	5.7	382	45	157	.24	1390	181	.37	1350	2260
MIN	.00	.00	.00	.00	7.5	.00	.00	.00	.00	.00	.00	.00
CAL YR 1978	TOTAL	11958.04	MEAN	32.8	MAX	539	MIN	.00				
WTR YR 1979	TOTAL	27605.34	MEAN	75.6	MAX	2260	MIN	.00				

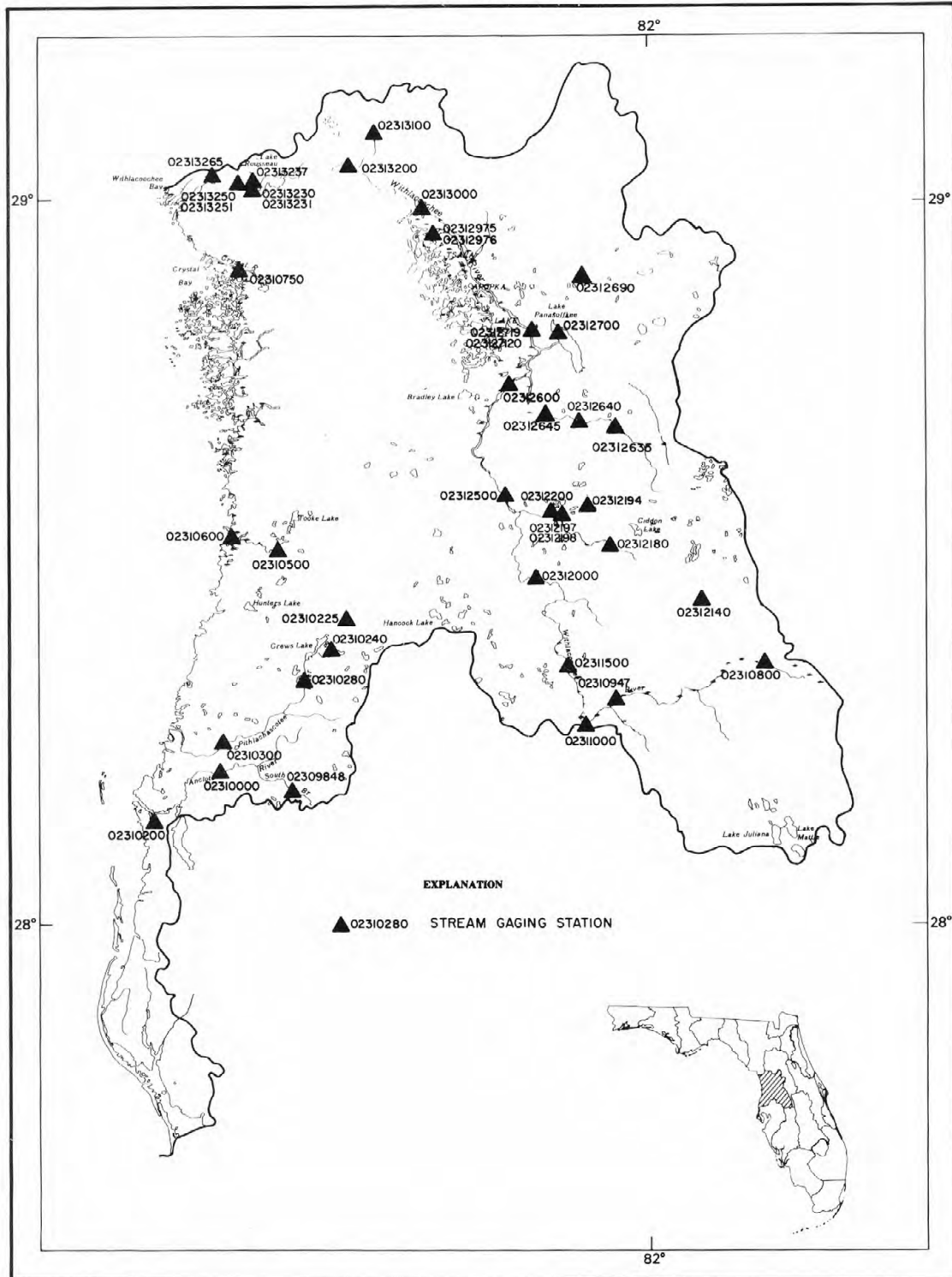


Figure 6. Location of stream gaging stations in the Withlacoochee River basin and coastal areas.

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02309848 SOUTH BRANCH ANCLOTE RIVER NEAR ODESSA, FL

LOCATION.--Lat 28°11'08", long 82°33'13", in SE¼ sec.25, T.26 S., R.17 E., Pasco County, Hydrologic Unit 03100207, near left bank, 30 ft (9 m) downstream from bridge on State Highway 54, 2.5 mi (4.0 km) east of Odessa, 3.0 mi (4.8 km) upstream from unnamed tributary, and 5.2 mi (8.4 km) upstream from mouth.

DRAINAGE AREA.--17.1 mi² (44.3 km²).

PERIOD OF RECORD.--February 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 17, 1971, at site 30 ft (9 m) upstream at present datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--9 years, 3.67 ft³/s (0.104 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 280 ft³/s (7.93 m³/s) June 26, 1974; maximum gage height, 4.98 ft (1.518 m) Sept. 10, 1971; no flow for many days each year; river dry at gage many days most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 60 ft³/s (1.7 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage Height (ft) (m)
May 9	0100	121 3.43	4.27 1.301
Aug. 12	1900	100 2.83	4.43 1.350
Aug. 25	0900	112 3.17	4.47 1.362
Aug. 30	0400	61 1.73	4.26 1.298
Sept. 14	0600	131 3.71	4.53 1.381
Sept. 26	2300	*216 6.12	*4.70 1.433

No flow many days; river dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.48	1.6	.10	.00	3.8	.00	.00	40
2	.00	.00	.00	.00	.42	1.4	.05	.00	3.1	.00	.00	47
3	.00	.00	.00	.00	.37	1.2	.01	.00	2.5	.00	.00	34
4	.00	.00	.00	.00	.36	1.1	.00	.00	2.1	.00	.00	28
5	.00	.00	.00	.00	.35	.99	.00	.00	1.6	.00	.14	24
6	.00	.00	.00	.00	.36	7.1	.00	.00	1.3	.00	1.6	20
7	.00	.00	.00	.00	.55	12	.00	.00	1.0	.00	6.1	17
8	.00	.00	.00	.00	.59	6.8	.00	23	.80	.00	3.8	15
9	.00	.00	.00	.00	.56	5.3	.00	114	.65	.00	5.1	13
10	.00	.00	.00	.00	.49	3.8	.00	70	.40	.00	5.6	13
11	.00	.00	.00	.00	.43	2.7	.00	42	.20	.00	17	13
12	.00	.00	.00	.59	.37	2.1	.00	27	.06	.00	86	13
13	.00	.00	.00	1.7	.33	1.6	.00	19	.00	.00	77	38
14	.00	.00	.00	.95	.31	1.3	.00	18	.00	.00	51	103
15	.00	.00	.00	.55	.31	1.1	.00	19	.00	.00	32	93
16	.00	.00	.00	.40	.31	.91	.00	35	.00	.00	20	103
17	.00	.00	.00	.32	.30	.78	.00	23	.00	.00	25	84
18	.00	.00	.00	.29	.28	.66	.00	16	.00	.00	21	61
19	.00	.00	.00	.28	.25	.60	.00	12	.00	.00	17	43
20	.00	.00	.00	.28	.19	.53	.00	9.1	.00	.00	44	34
21	.00	.00	.00	.46	.16	.45	.00	6.8	.00	.00	49	29
22	.00	.00	.00	.49	.15	.41	.00	5.2	.00	.00	49	51
23	.00	.00	.00	.53	.16	.55	.00	4.2	.00	.00	62	80
24	.00	.00	.00	1.6	.31	.73	.00	5.5	.00	.08	61	159
25	.00	.00	.00	1.4	3.0	.66	.00	12	.00	.14	106	135
26	.00	.00	.00	1.0	3.9	.58	.00	11	.00	.05	85	149
27	.00	.00	.00	.89	2.6	.47	.00	9.0	.00	.01	60	171
28	.00	.00	.00	.75	1.9	.39	.00	7.2	.00	.00	43	102
29	.00	.00	.00	.64	---	.32	.00	5.5	.00	.00	34	74
30	.00	.00	.00	.58	---	.24	.00	4.5	.00	.00	54	69
31	.00	---	.00	.55	---	.15	---	4.2	---	.00	44	---
TOTAL	.00	.00	.00	14.25	19.79	58.52	.16	502.20	17.51	.28	1059.34	1855
MEAN	.0000	.0000	.0000	.46	.71	1.89	.0005	16.2	.58	.0009	34.2	61.8
MAX	.00	.00	.00	1.7	3.9	12	.10	114	3.8	.14	106	171
MIN	.00	.00	.00	.00	.15	.15	.00	.00	.00	.00	.00	13

CAL YR 1978 TOTAL 760.70 MEAN 2.08 MAX 49 MIN .00
WTR YR 1979 TOTAL 3527.05 MEAN 9.66 MAX 171 MIN .00

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310000 ANCLOTE RIVER NEAR ELPERS, FL

LOCATION.--Lat 28°12'50", long 82°40'00", in NE¼ sec.23, T.26 S., R.16 E., Pasco County, Hydrologic Unit 03100207, on left bank, 40 ft (12 m) downstream from bridge on State Highway 54, 3.5 mi (5.6 km) east of Elfers, and 16 mi (26 km) upstream from mouth.

DRAINAGE AREA.--72.5 mi² (187.8 km²).

PERIOD OF RECORD.--May 1946 to current year.

REVISED RECORDS.--WSP 1434: Drainage area. WSP 1905: 1950-65 (P).

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--33 years, 74.3 ft³/s (2.104 m³/s), 13.92 in/yr (354 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,890 ft³/s (110 m³/s) July 30, 1960, gage height, 26.09 ft (7.952 m); minimum, 0.40 ft³/s (0.011 m³/s) May 19, 1956 (affected by pumpage); minimum gage height, 6.56 ft (1.999 m) Nov. 1, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 27.7 ft (8.44 m) Aug. 8 or 9, 1945, from information by local residents and floodmarks; discharge, 5,000 ft³/s (142 m³/s), from rating curve extended above 3,700 ft³/s (105 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 450 ft³/s (13 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
May 10	1300	1100 31.2	21.18 6.456	Aug. 31	2300	617 17.5	17.68 5.389
Aug. 14	0400	537 15.2	16.83 5.130	Sept. 16	1100	527 14.9	16.73 5.099
Aug. 22	1700	471 13.3	16.10 4.907	Sept. 25	2400	*1450 41.1	*22.56 6.876

Minimum discharge, 2.8 ft³/s (0.079 m³/s) Aug. 3; minimum gage height, 6.83 ft (2.082 m) many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	3.3	4.2	6.9	20	56	12	3.0	64	6.5	3.6	585
2	12	3.3	3.5	8.4	17	46	11	2.9	50	6.4	3.4	478
3	10	3.3	3.4	11	16	39	10	2.9	37	5.7	3.0	361
4	8.8	3.3	3.5	11	15	33	9.3	2.9	28	5.2	2.9	293
5	7.5	3.3	4.0	12	14	30	8.7	2.9	21	5.1	2.9	243
6	6.9	3.2	3.7	11	14	73	8.5	2.9	16	5.0	14	202
7	6.4	3.2	3.6	9.8	17	176	7.9	3.1	13	7.5	105	166
8	6.0	3.1	3.6	11	20	224	7.3	260	10	11	212	133
9	5.6	3.1	3.6	11	19	202	6.6	836	9.5	8.7	166	115
10	5.3	3.1	3.6	10	18	164	6.4	1080	8.8	11	143	103
11	5.2	3.1	3.7	9.8	16	131	5.9	976	7.3	8.5	159	94
12	5.0	3.1	3.6	39	14	100	5.6	696	6.2	6.5	321	83
13	5.0	3.1	3.7	95	13	81	5.3	456	5.6	5.3	485	117
14	5.0	3.1	3.7	103	12	66	5.1	342	5.2	4.9	524	210
15	4.9	3.1	3.6	87	11	54	4.9	298	5.1	4.4	478	383
16	4.8	3.1	3.6	66	10	45	4.7	285	5.2	4.3	367	518
17	4.6	3.1	3.7	51	9.5	38	4.5	300	4.9	4.9	305	464
18	4.5	3.2	3.8	40	9.2	32	4.4	256	4.7	6.0	268	375
19	4.3	3.2	3.6	31	8.7	28	4.2	209	4.7	7.0	226	298
20	4.3	3.2	3.5	29	8.2	25	4.1	166	4.8	8.5	221	238
21	4.2	3.1	3.6	31	7.9	22	3.9	130	4.8	16	300	192
22	4.0	3.1	3.6	29	7.9	20	3.8	98	4.9	9.4	412	173
23	3.9	3.1	3.6	27	8.0	21	3.7	74	5.5	7.0	396	177
24	3.8	3.2	4.8	31	8.6	24	3.7	98	5.0	8.1	328	685
25	3.7	3.2	4.0	40	22	24	4.0	222	5.4	18	326	1260
26	3.6	3.1	3.8	42	56	22	3.8	245	5.2	21	363	1360
27	3.6	3.1	3.9	38	73	20	3.7	182	5.5	18	338	1210
28	3.5	3.2	7.0	34	69	18	3.5	132	5.9	12	289	1090
29	3.5	3.2	9.1	29	---	16	3.3	95	5.6	7.7	272	902
30	3.5	3.2	7.4	26	---	14	3.1	72	5.9	5.8	493	693
31	3.4	---	7.4	22	---	13	---	73	---	4.2	537	---
TOTAL	165.5	95.0	131.4	1001.9	534.0	1857	172.9	7601.6	364.7	259.6	8063.8	13201
MEAN	5.34	3.17	4.24	32.3	19.1	59.9	5.76	245	12.2	8.37	260	440
MAX	12	3.3	9.1	103	73	224	12	1080	64	21	537	1360
MIN	3.4	3.1	3.4	6.9	7.9	13	3.1	2.9	4.7	4.2	2.9	83
CFSM	.07	.04	.06	.45	.26	.83	.08	3.38	.17	.12	3.59	6.07
IN.	.08	.05	.07	.51	.27	.95	.09	3.90	.19	.13	4.14	6.77

CAL YR 1978	TOTAL	16606.2	MEAN	45.5	MAX	335	MIN	2.8	CFSM	.63	IN	8.52
WTR YR 1979	TOTAL	33448.4	MEAN	91.6	MAX	1360	MIN	2.9	CFSM	1.26	IN	17.16

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310200 SPRING BAYOU AT TARPON SPRINGS, FL

LOCATION.--Lat 28°08'45", long 82°45'30", in SW¼ sec.12, T.27 S., R.15 E., Pinellas County, Hydrologic Unit 03100207, at head of bayou, on concrete pier at end of West Tarpon Avenue, in Tarpon Springs.

PERIOD OF RECORD.--April 1945 to September 1965 (elevations only); October 1965 to September 1976 (maximum and minimum gage heights only); October 1976 to current year (maximum and minimum elevations only). Records of elevations prior to October 1962 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 3.00 ft (0.914 m) below National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Gage records water levels and tidal fluctuations in Spring Bayou; gage height affected occasionally by flow from sinkhole at head of bayou. The stage record published is the maximum and minimum tide event for each calendar day, except on those days when no maximum or minimum tide event occurred; on those days the daily extremes are used.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.99 ft (1.521 m) June 19, 1972 (from hurricane tide); minimum, 2.83 ft (0.862 m) below NGVD, Dec. 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.69 ft (1.125 m) Jan. 21; minimum, 2.42 ft (0.738 m) below NGVD, Jan. 3, Feb. 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.28	-0.54	1.71	-1.43	3.50	-1.10	2.57	-1.30	.66	-1.87	1.91	-1.16
2	1.99	-1.11	1.86	-1.82	2.70	-1.20	2.79	-0.67	.92	-1.37	1.75	-1.28
3	1.78	-1.05	1.90	-1.58	2.20	-1.30	-0.02	-2.42	1.39	-0.66	2.02	-0.61
4	2.11	-0.82	1.88	-1.41	2.80	-0.90	.21	-2.10	1.28	-0.83	2.24	-0.32
5	2.19	-1.04	2.06	-1.22	3.10	-0.60	1.17	-0.96	1.08	-1.00	1.84	.47
6	2.01	-1.15	1.92	-0.82	2.00	-0.80	1.75	-0.84	2.14	-1.31	1.14	-0.33
7	2.29	-1.36	1.77	-0.48	1.16	-0.99	2.09	-0.50	1.50	-0.63	.82	-0.74
8	1.42	-1.11	2.02	-0.38	1.61	-0.50	1.23	-1.10	1.36	-1.62	1.56	-0.77
9	1.28	-1.11	1.37	-0.69	2.34	-0.43	.48	-2.24	1.25	-1.55	1.43	-1.19
10	1.65	-1.02	1.55	-0.53	.45	-1.50	1.35	-2.26	.91	-2.42	1.72	-1.20
11	2.11	-0.58	1.43	-0.86	1.31	-1.96	1.91	-1.52	1.05	-2.41	.95	-0.96
12	2.23	-0.52	1.66	-1.38	.54	-1.96	2.74	-1.18	.86	-2.12	1.30	-1.87
13	2.48	-0.56	2.06	-1.66	1.65	-2.28	2.42	-0.69	1.39	-1.73	1.77	-1.45
14	2.44	-0.51	1.75	-1.40	1.36	-1.93	1.72	-1.15	1.21	-1.66	1.76	-1.10
15	.90	-1.64	2.22	-1.49	1.12	-1.70	.81	-2.37	1.29	-1.57	1.84	-1.61
16	1.62	-1.63	2.50	-1.30	2.04	-1.56	1.05	-1.75	1.34	-1.21	1.14	-1.74
17	1.86	-1.53	2.37	-1.08	2.09	-1.52	1.33	-1.30	1.26	-1.67	1.28	-1.65
18	1.22	-1.57	2.26	-1.20	.93	-1.77	1.14	-1.48	1.32	-1.05	1.60	-1.40
19	1.49	-1.47	1.87	-1.38	1.56	-1.27	1.30	-1.26	.86	-1.04	1.82	-1.13
20	1.87	-0.98	1.52	-1.31	1.57	-0.89	2.34	-0.36	1.52	-1.81	1.67	-1.09
21	2.06	-0.72	1.09	-0.72	1.60	-0.40	3.69	.96	1.63	-0.94	1.57	.11
22	1.60	-0.66	1.30	-0.50	1.04	-0.88	.87	-0.73	1.98	-1.46	1.93	-0.98
23	1.24	-0.91	1.60	-0.20	1.36	-0.69	2.08	-1.17	2.33	-1.42	2.86	-0.69
24	.97	-0.75	1.80	.05	2.24	-0.15	2.46	-0.19	2.77	-1.40	2.38	.33
25	1.21	-0.63	1.50	-0.20	1.26	-0.47	1.57	-1.92	3.13	-0.92	2.04	-0.09
26	1.76	-0.15	2.50	-0.40	1.40	-1.39	1.96	-1.83	1.18	-0.98	1.78	-1.41
27	1.77	-0.36	2.50	-0.80	.67	-2.12	2.80	-1.63	1.40	-1.97	1.63	-1.62
28	1.61	-0.44	2.10	-0.50	1.95	-2.16	.78	-1.53	1.67	-1.37	1.70	-1.59
29	2.00	-0.82	1.80	-1.00	2.19	-1.93	1.74	-2.28	---	---	1.70	-1.60
30	1.85	-1.07	2.80	-1.20	2.35	-1.68	1.84	-2.05	---	---	1.41	-1.35
31	1.36	-1.46	---	---	1.33	-1.66	1.98	-0.97	---	---	1.99	-1.33
MEAN	1.76	-0.94	1.89	-0.96	1.72	-1.28	1.68	-1.32	1.45	-1.43	1.70	-1.01

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02310200 SPRING BAYOU AT TARPON SPRINGS, FL

[illegible]

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310225 MASARYKTOWN CANAL AT U. S. 41, NEAR MASARYKTOWN, FL

LOCATION.--Lat 28°24'43", long 82°28'27", in NE¼ sec.11, T.24 S., R.18 E., Pasco County, Hydrologic Unit 03100207, on right bank of canal, 50 ft (15 m) downstream from bridge on U. S. Highway 41, 1.4 mi (2.3 km) northeast of Crews Lake, and 2.2 mi (3.5 km) southwest of Masaryktown.

PERIOD OF RECORD.--October 1971 to current year (gage heights only), discontinued.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Masaryktown Canal provides flood drainage for the poultry and agricultural community of Masaryktown and Squirrel Prairie.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 54.97 ft (16.755 m) Sept. 21, 1974; dry at gage for extended periods most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 54.83 ft (16.712 m) Sept. 26; dry at gage for extended period.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

Sept. 15	 53.04	Sept. 21	 54.17	Sept. 26	 54.83
16	 53.73	22	 54.30	27	 54.78
17	 53.80	23	 54.48	28	 54.72
18	 53.91	24	 54.73	29	 54.62
19	 54.00	25	 54.82	30	 54.48
20	 54.07				

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310240 JUMPING GULLY AT LOYCE, FL

LOCATION.--Lat 28°23'06", long 82°29'22", in NE¼ sec.22, T.24 S., R.18 E., Pasco County, Hydrologic Unit 03100207, at center of span on upstream side of bridge on U. S. Highway 41, 100 ft (30 m) downstream from concrete control structure at outlet of Pasco Lake, 0.3 mi (0.5 km) north of Loyce, 2.7 mi (4.3 km) upstream from mouth, and 4.4 mi (7.1 km) southwest of Masaryktown.

DRAINAGE AREA.--43 mi² (111 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 60.00 ft (18.288 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 11, 1970, nonrecording gage at present site at datum 60.00 ft (18.288 m) lower.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--15 years, 7.60 ft³/s (0.215 m³/s), 2.40 in/yr (61 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 920 ft³/s (26.1 m³/s) Sept. 18, 1964, gage height, 6.80 ft (2.073 m), present datum, from rating curve extended above 260 ft³/s (7.4 m³/s); no flow for many days in most years; gully dry at gage for many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 234 ft³/s (6.63 m³/s) Sept. 30, gage height, 6.48 ft (1.975 m); no flow for many days; gully dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.00	.00	.00	.00	.01	.04	.00	1.9	.00	.00	39
2	.03	.00	.00	.00	.00	.25	.03	.00	2.6	.00	.00	37
3	.02	.00	.00	.00	.00	.69	.03	.00	4.6	.00	.00	32
4	.02	.00	.00	.00	.00	.86	.03	.00	3.3	.00	.00	32
5	.02	.00	.00	.00	.00	1.0	.02	.00	2.5	.00	.00	30
6	.02	.00	.00	.00	.00	4.6	.02	.00	2.0	.00	.00	27
7	.02	.00	.00	.00	.00	6.4	.02	.00	1.4	.00	.00	24
8	.02	.00	.00	.00	.01	5.9	.01	.16	1.0	.01	.00	22
9	.02	.00	.00	.00	.02	6.6	.01	.15	.56	.01	.00	21
10	.02	.00	.00	.00	.01	5.7	.01	8.7	.23	.00	.00	22
11	.02	.00	.00	.00	.01	5.1	.02	22	.06	.00	.00	22
12	.02	.00	.00	.00	.01	4.7	.02	27	.05	.00	.00	24
13	.02	.00	.00	.00	.02	4.0	.02	28	.05	.00	.73	32
14	.02	.00	.00	.00	.02	3.5	.01	27	.05	.00	5.9	43
15	.02	.00	.00	.00	.02	3.1	.01	25	.04	.00	11	64
16	.01	.00	.00	.00	.02	2.6	.00	23	.04	.00	14	73
17	.01	.00	.00	.00	.02	2.2	.00	18	.03	.00	16	67
18	.01	.00	.00	.00	.00	1.8	.00	15	.03	.00	18	66
19	.00	.00	.00	.00	.00	1.4	.00	12	.03	.00	20	63
20	.00	.00	.00	.00	.00	1.1	.00	9.8	.03	.00	22	60
21	.00	.00	.00	.00	.00	.81	.00	8.0	.01	.00	28	54
22	.00	.00	.00	.00	.00	.58	.00	6.5	.01	.00	29	45
23	.00	.00	.00	.00	.00	.87	.00	5.2	.01	.00	36	48
24	.00	.00	.00	.00	.00	.96	.00	6.9	.01	.00	45	54
25	.00	.00	.00	.00	.00	.51	.00	8.2	.00	.00	42	57
26	.00	.00	.00	.00	.00	.24	.00	6.2	.00	.00	36	77
27	.00	.00	.00	.00	.00	.10	.00	4.7	.00	.00	33	91
28	.00	.00	.00	.00	.00	.05	.00	3.7	.00	.00	30	141
29	.00	.00	.00	.00	---	.04	.00	2.9	.00	.00	28	198
30	.00	.00	.00	.00	---	.04	.00	2.7	.00	.00	29	226
31	.00	---	.00	.00	---	.04	---	2.5	---	.00	38	---
TOTAL	.35	.00	.00	.00	.16	66.75	.30	273.31	20.54	.02	481.63	1791
MEAN	.011	.000	.000	.000	.006	2.15	.010	8.82	.68	.001	15.5	59.7
MAX	.03	.00	.00	.00	.02	6.9	.04	28	4.6	.01	45	226
MIN	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	21
CFSM	.000	.000	.000	.000	.000	.05	.000	.21	.02	.000	.36	1.39
IN.	.00	.00	.00	.00	.00	.06	.00	.24	.02	.00	.42	1.55
CAL YR 1978	TOTAL	1025.67	MEAN	2.81	MAX	19	MIN	.00	CFSM	.07	IN	.89
WTR YR 1979	TOTAL	2634.06	MEAN	7.22	MAX	226	MIN	.00	CFSM	.17	IN	2.28

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL

LOCATION.--Lat 28°19'44", long 82°32'13", in NE¼ sec.7, T.25 S., R.18 E., Pasco County, Hydrologic Unit 03100207, at bridge on State Highway 52, 1.2 mi (1.9 km) west of Fivay Junction, 3.5 mi (5.6 km) above Fivemile Creek, and 21 mi (34 km) upstream from mouth.

DRAINAGE AREA.--150 mi² (390 km²).

PERIOD OF RECORD.--March 1964 to October 1966 (discharge measurements and crest-stage partial records); November 1966 to September 1972 (discharge measurements only); October 1972 to September 1978 (gage heights and periodic discharge measurements only); October 1978 to September 1979 (discharge measurements only).

TEMPERATURE OBSERVATIONS: October 1977 to current year. See REMARKS.

GAGE.--Nonrecording gage. Datum of gage is 40.00 ft (12.192 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 12, 1968, nonrecording gage 20 ft (6 m) downstream and Feb. 12, 1968, to Oct. 4, 1972, nonrecording gage at present site, at datum 40.00 ft (12.192 m) lower; Oct. 5, 1972, to Oct. 17, 1978, water-stage recorder at present site and datum.

REMARKS.--Results of miscellaneous temperature observations prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 222 ft³/s (6.29 m³/s) Sept. 12, 1964; maximum gage height, 13.78 ft (4.200 m) June 25, 1974; no flow observed most years; minimum gage height, 9.94 ft (3.030 m) May 28, 1977.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STR-AM- FLOW, INSTAN- TANEOUS (CFS) (000061)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (000061)	TEMPER- ATURE (DEG C) (00010)
OCT				MAY			
24...	1330	--	22.0	04...	1140	.01	24.0
NOV				21...	1300	--	21.0
03...	1530	.50	19.0	JUN			
JAN				29...	1145	1.8	23.5
12...	1625	11	17.0	SEP			
MAR				11...	1045	16	25.5
02...	1205	8.0	18.0				

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310300 PITHLACHASCOTEE RIVER NEAR NEW PORT RICHEY, FL

LOCATION.--Lat 28°15'19", long 82°39'37", in NW¼ sec.1, T.26 S., R.16 E., Pasco County, Hydrologic Unit 03100207, on left bank downstream from end of private road, 3.8 mi (6.1 km) east of New Port Richey, and 9.4 mi (15.1 km) upstream from mouth.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1963 to current year.

REVISED RECORDS.--WRD FL 1966: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7.06 ft (2.152 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 31.2 ft³/s (0.884 m³/s), 2.33 in/yr (59 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,410 ft³/s (39.9 m³/s) Sept. 11, 1964, gage height, 11.91 ft (3.630 m); minimum, 0.28 ft³/s (0.008 m³/s) May 30, 31, June 1, 2, 1971; minimum gage height, 1.23 ft (0.375 m) June 28, 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 603 ft³/s (17.1 m³/s) May 9, gage height, 10.63 ft (3.240 m); minimum, 0.81 ft³/s (0.023 m³/s) Aug. 6, gage height, 1.36 ft (0.415 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	1.3	1.3	12	26	31	8.0	1.1	43	1.0	1.0	276
2	6.8	1.2	1.3	13	24	29	7.2	1.1	31	1.0	1.1	248
3	5.5	1.2	1.2	17	22	26	6.4	1.1	23	1.0	1.1	196
4	4.6	1.2	1.2	15	21	23	5.6	1.0	18	1.0	.91	149
5	4.0	1.1	1.4	13	20	22	5.1	.99	14	1.1	.89	120
6	3.4	1.1	2.0	12	20	37	5.1	.98	11	1.1	.92	99
7	3.0	1.1	2.6	11	24	72	4.7	1.1	8.9	1.1	2.7	84
8	2.4	1.2	2.6	13	28	77	4.1	.87	7.1	1.1	11	71
9	2.0	1.1	2.5	13	27	70	3.6	.512	5.7	1.1	17	60
10	1.8	1.1	2.5	12	25	62	3.3	.499	4.3	1.1	29	53
11	1.6	1.1	2.3	11	23	55	3.0	.338	3.3	1.1	48	50
12	1.5	1.1	2.3	26	22	49	2.6	.257	2.7	1.1	98	47
13	1.6	1.1	2.2	64	20	44	2.3	.195	2.3	1.1	129	55
14	1.9	1.1	2.0	66	18	39	2.2	.154	2.1	1.0	139	90
15	2.4	1.1	1.9	58	17	34	2.0	.119	1.9	.99	120	152
16	2.3	1.1	1.7	51	15	29	1.8	.115	1.6	1.1	101	241
17	2.0	1.1	1.6	46	14	26	1.5	.105	1.5	1.2	91	253
18	1.6	1.1	1.5	40	14	22	1.4	.112	1.4	1.1	74	212
19	1.5	1.0	1.4	36	13	20	1.3	.88	1.3	1.1	62	173
20	1.4	1.0	1.4	32	12	18	1.2	.67	1.2	2.4	64	140
21	1.4	1.0	1.4	32	11	16	1.1	.51	1.2	3.6	82	117
22	1.3	1.0	1.5	31	11	14	1.2	.37	1.2	2.5	104	105
23	1.2	1.0	1.3	29	11	14	1.1	.29	1.2	2.0	96	106
24	1.2	1.0	2.2	37	11	18	1.2	.30	1.2	3.6	83	335
25	1.2	1.0	6.7	40	22	17	1.6	.44	1.2	4.3	86	508
26	1.2	.98	8.4	39	38	15	1.5	.38	1.1	3.5	100	486
27	1.2	.98	7.2	37	37	14	1.4	.34	1.1	3.5	90	556
28	1.2	1.0	13	35	34	12	1.3	.29	1.1	3.2	79	518
29	1.3	1.0	16	33	---	11	1.2	.25	1.1	2.5	86	398
30	1.3	.98	16	30	---	9.9	1.1	.26	1.1	1.9	157	329
31	1.3	---	15	28	---	8.9	---	.61	---	1.4	175	---
TOTAL	70.8	32.34	127.6	932	580	934.8	85.1	3059.37	196.8	54.79	2129.62	6227
MEAN	2.28	1.08	4.12	30.1	20.7	30.2	2.84	98.7	6.56	1.77	68.7	208
MAX	6.8	1.3	18	66	38	77	8.0	.512	43	4.3	175	556
MIN	1.2	.98	1.2	11	11	8.9	1.1	.98	1.1	.99	.89	47
CFSM	.01	.006	.02	.17	.11	.17	.02	.54	.04	.01	.38	1.14
IN.	.01	.01	.03	.19	.12	.19	.02	.63	.04	.01	.44	1.27
CAL YR 1978	TOTAL	8374.54	MEAN	22.9	MAX	215	MIN	.98	CFSM	.13	IN	1.71
WTR YR 1979	TOTAL	14430.22	MEAN	39.5	MAX	556	MIN	.89	CFSM	.22	IN	2.95

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310600 GULF OF MEXICO NEAR BAYPORT, FL

LOCATION.--Lat 28°32'00", long 82°39'01", on line between secs. 25 and 36, T.22 S., R.16 E., Hernando County, Hydrologic Unit 03100207, at mouth of Weekiwachee River, on Florida Department of Transportation pier at terminus of State Highway 50, 1.1 mi (1.8 km) southwest of Bayport.

PERIOD OF RECORD.--January 1964 to September 1965 (elevations only); October 1965 to September 1976 (maximum and minimum gage heights only); October 1976 to current year (maximum and minimum elevations only).

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below National Geodetic Vertical Datum of 1929. Gage readings have been reduced to elevations NGVD.

REMARKS.--Gage records water levels and tidal fluctuations in Gulf of Mexico. The stage record published is the maximum and minimum tide event for each calendar day, except on those days when no maximum or minimum tide event occurred; on those days the daily extremes are used.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.43 ft (1.655 m) June 19, 1972 (affected by hurricane); minimum, 2.33 ft (0.710 m) below NGVD, Jan. 16, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.92 ft (1.195 m) Feb. 25; minimum, 2.09 ft (0.637 m) below NGVD, Feb. 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW	HIGH-HIGH	LOW-LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.86	-0.41	2.08	-1.27	3.81	-1.22	2.94	-1.34	.75	-1.57	2.25	-1.21
2	2.36	-0.96	2.13	-1.48	3.01	-1.39	3.34	-0.01	1.38	-1.39	2.02	-1.34
3	2.13	-1.05	2.32	-1.23	2.50	-1.41	-0.36	-2.05	1.84	-1.45	2.60	-0.30
4	2.58	-0.74	2.28	-1.24	3.02	-1.10	.22	-2.08	1.42	-1.02	2.60	-0.90
5	2.55	-0.89	2.59	-1.10	3.50	-0.65	1.51	-1.70	1.17	-1.31	2.18	-0.57
6	2.56	-0.98	2.29	-0.83	1.53	-0.98	2.05	-1.10	2.50	-1.56	1.19	-0.54
7	2.18	-1.28	2.23	-0.46	1.59	-0.87	2.06	-0.75	1.87	-0.91	1.11	-0.84
8	1.80	-1.10	2.46	-0.31	2.07	-0.72	1.77	-1.07	1.76	-1.36	2.17	-0.54
9	1.39	-1.08	1.91	-0.63	2.35	-0.60	.43	-1.93	1.45	-1.32	1.83	-1.36
10	1.84	-0.97	2.10	-0.50	.39	-1.56	1.40	-2.04	.49	-2.09	1.66	-1.30
11	2.57	-0.70	1.84	-0.90	1.53	-1.45	2.04	-1.63	1.16	-1.90	2.15	-0.56
12	2.59	-0.58	1.95	-1.29	-0.39	-1.70	2.90	-1.50	1.36	-1.78	1.24	-1.67
13	3.02	-0.38	2.08	-1.42	.64	-1.96	3.05	-0.87	1.78	-1.55	1.89	-1.42
14	2.99	-0.36	2.60	-1.23	1.89	-1.71	2.84	-1.24	1.52	-1.58	2.24	-1.10
15	2.64	-1.46	2.77	-1.29	1.55	-1.61	.73	-2.05	1.71	-1.48	2.05	-1.52
16	2.13	-1.38	3.05	-1.18	2.39	-1.48	1.12	-1.71	1.80	-1.24	1.51	-1.63
17	2.29	-1.30	2.95	-1.14	2.51	-1.47	1.66	-1.43	1.52	-1.34	1.61	-1.42
18	1.41	-1.46	2.79	-1.14	1.33	-1.62	1.49	-1.50	1.84	-1.77	2.00	-1.56
19	1.82	-1.24	2.35	-1.28	1.94	-1.27	1.65	-1.39	.95	-1.23	2.29	-1.40
20	2.34	-0.86	1.89	-1.29	1.97	-0.99	2.94	-0.37	1.64	-1.85	2.11	-1.26
21	2.55	-0.76	1.41	-0.91	1.95	-0.48	2.82	1.68	1.95	-1.18	1.96	-0.93
22	1.98	-0.73	1.47	-0.68	1.24	-1.11	1.17	-0.86	2.31	-1.55	2.36	-1.22
23	1.52	-0.82	1.96	-0.26	1.73	-0.93	2.14	-1.45	2.75	-1.44	3.34	-0.97
24	1.35	-0.55	2.15	-0.06	2.22	-0.45	3.55	-0.17	2.41	-1.37	2.95	.61
25	1.59	-0.66	1.70	-0.33	1.50	-0.47	1.90	-1.38	3.92	-1.05	2.48	.03
26	2.25	-0.10	2.80	-0.94	1.54	-1.38	1.20	-1.63	1.88	-0.59	1.44	-1.35
27	2.31	-0.28	2.81	-0.58	-0.48	-1.92	2.37	-1.47	1.58	-1.58	2.13	-1.44
28	2.21	-0.62	2.63	-0.91	.69	-1.93	3.36	-1.13	2.00	-1.39	2.19	-1.39
29	2.38	-0.82	2.17	-1.30	2.05	-1.76	1.82	-1.74	---	---	2.22	-1.46
30	2.09	-1.21	3.12	-1.26	2.36	-1.68	2.10	-1.67	---	---	2.68	-1.36
31	1.46	-1.40	---	---	2.64	-1.55	2.04	-0.59	---	---	2.50	-0.70
MEAN	2.19	-0.88	2.30	-0.95	1.82	-1.28	1.94	-1.23	1.74	-1.42	2.10	-1.05

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310600 GULF OF MEXICO NEAR BAYPORT, FL

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310750 CRYSTAL RIVER NEAR CRYSTAL RIVER, FL

LOCATION.--Lat 28°54'17", long 82°38'13", in SE¼ sec.13, T.18 S., R.16 E., Citrus County, Hydrologic Unit 03100207, at left bank, 0.1 mi (0.2 km) upstream from Salt River, 2.7 mi (4.3 km) west of town of Crystal River, and 4.0 mi (6.4 km) upstream from mouth.

PERIOD OF RECORD.--February 1964 to September 1977; October 1977 to current year (maximum and minimum elevations only).

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below National Geodetic Vertical Datum of 1929 (Citrus County bench mark); gage readings have been reduced to elevations NGVD.

REMARKS.--Gage records tidal fluctuations in Crystal River; elevations affected by flow from several springs located east of the station and near the town of Crystal River. The stage record published is the maximum and minimum tide event for each calendar day except on those days when no maximum or minimum tide event occurred; on those days the daily extremes are used.

AVERAGE DISCHARGE.--13 years (1965-77), 975 ft³/s (27.6 m³/s), 706,400 acre-ft/yr (871 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.48 ft (1.670 m) Sept. 10, 1964; minimum, 2.72 ft (0.829 m) below NGVD, Sept. 9, 1965.

1964-77: Maximum daily discharge, 4,340 ft³/s (123 m³/s) Sept. 11, 1964; maximum daily reverse flow, 1,520 ft³/s (43.0 m³/s) Sept. 10, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.70 ft (1.128 m) Feb. 26; minimum, 2.18 ft (0.664 m) below NGVD, Jan. 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW	HIGH- HIGH	LOW- LOW
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.47	.02	1.82	-0.72	3.32	-0.37	2.57	-0.68	.64	-1.45	1.88	-0.75
2	2.05	-0.52	1.63	-0.58	2.62	-0.78	2.98	.22	1.27	-1.23	1.89	-0.69
3	1.92	-0.68	2.07	-0.81	2.25	-0.79	-0.36	-2.17	1.71	-1.08	2.25	-0.83
4	2.27	-0.28	1.94	-0.71	2.77	-0.47	-0.13	-2.18	1.36	-0.63	2.49	-0.49
5	2.24	-0.30	2.33	-0.57	3.56	.11	1.34	-1.58	1.22	-1.05	2.06	-0.27
6	2.33	-0.34	2.17	-0.48	1.48	-0.77	1.98	-0.90	2.52	-1.40	1.29	-0.37
7	1.56	-1.01	2.15	-0.19	1.70	-0.77	2.28	-0.50	1.87	-0.24	1.30	-0.90
8	1.72	-0.81	2.43	-0.12	2.10	-0.55	1.72	-0.32	1.84	-1.22	2.09	-0.35
9	1.23	-0.89	1.76	-0.42	2.20	-0.40	.30	-1.87	1.69	-0.86	1.09	-0.96
10	1.83	-0.68	1.84	-0.21	.33	-1.60	-0.07	-2.08	.16	-2.05	1.70	-0.87
11	2.23	-0.25	1.94	-0.48	.23	-1.83	1.14	-1.36	1.01	-1.58	2.04	-0.91
12	2.29	-0.11	1.62	-0.91	1.23	-1.59	1.97	-1.10	1.17	-1.36	1.00	-1.38
13	2.67	.19	1.84	-0.87	1.40	-1.92	2.96	-0.30	1.51	-1.03	1.60	-1.02
14	2.59	.12	2.27	-0.63	1.60	-1.49	2.53	-0.45	1.33	-1.12	1.97	-0.61
15	2.07	-0.40	2.33	-0.61	1.34	-1.27	.62	-1.93	1.46	-0.99	1.63	-1.13
16	1.93	-1.02	2.65	-0.41	2.12	-0.97	.93	-1.45	1.67	-0.81	1.17	-1.30
17	2.01	-0.70	2.49	-0.35	2.21	-1.30	1.42	-1.06	1.14	-1.05	1.39	-1.29
18	1.04	-1.18	2.50	-0.48	1.23	-1.38	1.33	-1.09	1.52	-1.58	1.74	-1.21
19	1.64	-0.83	2.14	-0.68	1.80	-1.10	1.43	-1.03	.72	-1.30	2.11	-0.97
20	1.96	-0.48	1.63	-0.98	2.04	-0.62	3.12	-0.62	1.54	-1.63	1.98	-0.80
21	2.35	-0.21	1.44	-0.97	2.15	-0.32	3.54	1.58	1.77	-0.97	1.91	-0.65
22	1.93	-0.48	1.46	-0.80	1.21	-1.19	1.14	-0.86	2.09	-1.12	2.19	-0.84
23	1.53	-0.78	1.86	-0.39	1.48	-0.99	2.15	-1.20	1.63	-0.88	3.35	-0.81
24	1.44	-0.49	2.13	-0.17	2.31	-0.46	3.21	.28	2.42	-0.69	2.30	.90
25	1.58	-0.51	1.56	-0.39	1.35	-0.53	.43	-1.21	2.90	-0.07	2.86	.05
26	2.14	-0.02	1.63	-0.44	1.35	-1.12	1.78	-1.19	3.70	-0.65	2.07	-0.90
27	1.94	-0.02	2.58	-0.02	-0.50	-1.81	2.08	-0.95	1.34	-1.20	1.77	-0.89
28	2.10	-0.20	2.82	-0.01	.36	-1.97	2.75	-0.72	1.69	-0.86	1.79	-0.84
29	2.21	-0.28	2.44	-0.68	1.29	-1.68	1.34	-1.41	---	---	1.92	-0.61
30	1.49	-0.78	2.84	-0.38	2.02	-1.29	1.68	-1.19	---	---	2.35	-0.89
31	1.14	-1.13	---	---	2.29	-1.03	1.70	-0.40	---	---	2.18	-0.71
MEAN	1.93	-0.50	2.08	-0.52	1.70	-1.04	1.67	-0.96	1.60	-1.08	1.91	-0.75

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310750 CRYSTAL RIVER NEAR CRYSTAL RIVER, FL

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

WITHLACOOCHIEE RIVER BASIN

02310800 WITHLACOOCHIEE RIVER NEAR EVA, FL

LOCATION.--Lat 28°21'38", long 81°49'08", in NW¼ sec.33, T.24 S., R.25 E., Polk County, Hydrologic Unit 03100208, near center of span on upstream side of bridge on State Highway 33, 2.5 mi (4.0 km) north of Eva, 6.5 mi (10.5 km) upstream from small tributary, and 138 mi (222 km) upstream from mouth.

DRAINAGE AREA.--130 mi² (337 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 104.90 ft (31.974 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--21 years, 53.5 ft³/s (1.515 m³/s), 5.59 in/yr (142 mm/yr), 38,760 acre-ft/yr (47.8 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,160 ft³/s (61.2 m³/s) Mar. 17, 1960, gage height, 6.90 ft (2.103 m); no flow for many days in some years; minimum gage height, 1.41 ft (0.430 m) June 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 705 ft³/s (20.0 m³/s) Sept. 27, gage height, 6.25 ft (1.905 m); minimum, 0.07 ft³/s (0.002 m³/s) Nov. 5; minimum gage height, 2.47 ft (0.753 m) Dec. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	1.2	.88	2.4	17	15	14	2.7	9.4	17	22	82
2	3.0	.42	3.7	2.6	19	14	12	3.8	7.8	12	22	89
3	2.0	.15	3.4	8.6	18	12	9.9	3.1	6.0	8.8	19	96
4	1.3	.09	1.3	6.6	17	12	7.7	1.9	4.7	18	17	174
5	.81	.39	.69	8.1	16	12	7.5	1.8	3.8	30	12	182
6	.55	2.2	.48	3.6	13	41	9.5	3.4	3.3	23	14	153
7	.34	.91	.27	2.2	13	84	10	6.3	2.7	22	22	126
8	.15	.50	.14	2.0	14	91	10	17	2.3	50	26	109
9	.10	.26	.09	3.8	13	93	8.1	39	2.4	81	28	96
10	.94	.12	.69	2.8	11	94	5.2	40	2.0	67	31	88
11	3.7	1.9	.44	1.6	10	95	4.1	37	1.4	52	56	90
12	2.7	2.6	.20	10	9.4	95	3.5	33	1.0	43	73	97
13	1.6	1.0	.37	23	9.1	97	3.0	27	.85	35	85	103
14	.68	2.2	2.0	15	8.4	96	2.5	24	.80	30	102	114
15	2.7	2.4	4.4	11	7.5	92	2.2	27	.99	36	105	143
16	2.2	3.6	5.1	15	7.1	84	1.7	27	1.2	75	100	188
17	2.1	2.6	2.2	15	6.8	77	1.2	23	1.0	88	92	190
18	1.4	.76	.69	8.2	7.4	69	2.0	19	.55	75	86	178
19	.46	.30	.30	5.6	7.6	60	1.2	16	.32	64	80	164
20	.28	.11	2.8	5.0	6.2	55	.55	13	.16	55	78	153
21	.98	.86	4.3	8.1	5.7	52	.34	11	.15	51	92	158
22	3.4	1.2	1.9	7.9	5.4	47	.42	9.0	2.4	47	97	283
23	2.2	2.5	.49	7.2	5.8	42	1.1	7.5	3.5	44	102	296
24	2.0	4.3	1.1	18	6.7	41	1.0	7.4	2.3	42	92	272
25	1.6	2.1	2.7	21	15	37	4.5	10	1.2	42	91	243
26	.95	2.3	1.5	19	24	31	4.4	9.3	.66	42	92	389
27	.85	.79	3.8	17	19	27	3.6	7.3	1.3	41	88	685
28	.35	.34	16	19	16	23	4.3	6.1	4.7	37	90	645
29	1.4	.22	16	18	---	20	3.9	5.1	7.9	33	90	587
30	4.0	.11	11	17	---	17	2.7	5.7	22	28	85	548
31	2.6	---	5.0	19	---	15	---	10	---	24	84	---
TOTAL	51.64	38.43	93.93	323.3	328.1	1640	142.11	453.4	98.78	1312.8	2073	6721
MEAN	1.67	1.28	3.03	10.4	11.7	52.9	4.74	14.6	3.29	42.3	66.9	224
MAX	4.3	4.3	16	23	24	97	14	40	22	88	105	685
MIN	.10	.09	.09	1.6	5.4	12	.34	1.8	.15	8.8	12	82
CFSM	.01	.01	.02	.08	.09	.41	.04	.11	.03	.33	.52	1.72
IN.	.01	.01	.03	.09	.09	.47	.04	.13	.03	.38	.59	1.92
AC-FT	102	76	186	641	651	3250	282	899	196	2600	4110	13330

CAL YR 1978 TOTAL 10718.88 MEAN 29.4 MAX 133 MIN .09 CFSM .23 IN 3.07 AC-FT 21260
WTR YR 1979 TOTAL 13276.49 MEAN 36.4 MAX 685 MIN .09 CFSM .28 IN 3.80 AC-FT 26330

WITHLACOOCHIEE RIVER BASIN

02310947 WITHLACOOCHIEE RIVER NEAR CUMPRESSCO, FL

LOCATION.--Lat 28°18'42", long 82°03'22", in NE¼ sec.13, T.25 S., R.22 E., Pasco County, Hydrologic Unit 03100208, near left bank on downstream side of bridge on State Highway 471, 0.6 mi (1.0 km) upstream from Gator Creek, 3.4 mi (5.5 km) south of Cumpresso, 5.8 mi (9.3 km) east of Richland, and 120 mi (193 km) upstream from mouth.

DRAINAGE AREA.--280 mi² (720 km²), approximately.

PERIOD OF RECORD.--January 1967 to current year. Miscellaneous discharge measurements for some periods prior to January 1967.

GAGE.--Water-stage recorder. Datum of gage is 75.00 ft (22.860 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Aug. 3, 1978, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair except those for periods of no gage-height record, Nov. 28 to Jan. 19, Aug. 11 to Sept. 20, which are poor. Records are for flow of main channel only, which normally includes all the flow. Some interconnection with Gator Creek and some diversions to the north probably exist during periods of extreme high water.

AVERAGE DISCHARGE.--12 years (water years 1968-79), 147 ft³/s (4.163 m³/s), 106,500 acre-ft/yr (131 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft³/s (52.1 m³/s) Sept. 30, 1979, gage height, 13.45 ft (4.100 m); no flow for many days in most years; river dry at gage for many days in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 ft³/s (52.1 m³/s) Sept. 30, gage height, 13.45 ft (4.100 m); no flow Oct. 24 to Dec. 30; river dry at gage for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	.00	.00	.20	126	138	78	7.7	32	3.9	193	600
2	1.9	.00	.00	.30	114	160	70	7.1	28	2.3	172	700
3	1.7	.00	.00	.45	103	163	63	6.2	23	1.3	156	800
4	1.5	.00	.00	.50	94	154	56	4.9	19	1.5	132	900
5	1.4	.00	.00	.60	86	152	50	3.6	16	5.3	114	1000
6	1.3	.00	.00	2.0	80	230	46	2.8	13	2.4	100	1000
7	1.0	.00	.00	4.0	77	553	41	4.5	10	1.3	90	950
8	.72	.00	.00	5.5	74	771	37	22	8.2	4.3	81	930
9	.58	.00	.00	6.0	70	884	34	42	6.5	27	75	900
10	.49	.00	.00	7.0	65	912	30	59	5.2	48	76	850
11	.42	.00	.00	10	59	897	27	94	3.8	69	100	840
12	.40	.00	.00	12	55	857	24	198	2.8	126	200	835
13	.44	.00	.00	13	52	798	21	265	2.2	194	375	825
14	.42	.00	.00	50	49	724	19	324	1.9	283	500	820
15	.39	.00	.00	100	47	648	17	444	1.6	309	600	800
16	.32	.00	.00	140	44	567	15	409	1.3	350	700	800
17	.24	.00	.00	140	42	474	13	354	1.1	393	800	850
18	.19	.00	.00	130	40	402	11	312	.90	405	850	900
19	.15	.00	.00	120	38	342	8.7	277	.70	476	900	950
20	.14	.00	.00	121	36	289	7.1	235	.57	547	880	1000
21	.08	.00	.00	123	34	248	5.5	189	.49	568	800	1030
22	.05	.00	.00	118	33	217	4.2	151	.56	564	750	1100
23	.02	.00	.00	104	34	200	3.1	120	.65	551	700	1100
24	.00	.00	.00	108	47	188	2.6	103	1.1	551	685	1090
25	.00	.00	.00	109	66	171	4.8	104	.71	557	650	1030
26	.00	.00	.00	108	114	149	11	93	.53	562	600	1250
27	.00	.00	.00	109	129	132	11	78	1.4	533	580	1550
28	.00	.00	.00	119	123	117	8.8	63	4.1	462	570	1710
29	.00	.00	.00	131	---	106	7.7	52	5.7	379	565	1800
30	.00	.00	.00	136	---	96	7.3	44	14	304	560	1820
31	.00	---	.10	133	---	87	---	38	---	241	550	---
TOTAL	15.85	.00	.10	2160.55	1931	11826	733.8	4106.8	207.01	8521.3	14104	30730
MEAN	.51	.000	.003	69.7	69.0	381	24.5	132	6.90	275	455	1024
MAX	2.0	.00	.10	140	129	912	78	444	32	568	900	1820
MIN	.00	.00	.00	.20	33	87	2.6	2.8	.49	1.3	75	600
AC-FT	31	.00	.2	4290	3830	23460	1460	8150	411	16900	27980	60950
CAL YR 1978	TOTAL	45519.75	MEAN	125	MAX	988	MIN	.00	AC-FT	90290		
WTR YR 1979	TOTAL	74336.41	MEAN	204	MAX	1820	MIN	.00	AC-FT	147400		

WITHLACOOCHEE RIVER BASIN

02311000 WITHLACOOCHEE-HILLSBOROUGH OVERFLOW NEAR RICHLAND, FL

LOCATION.--Lat 28°16'16", long 82°05'53", in NW¼ sec.34, T.25 S., R.22 E., Pasco County, Hydrologic Unit 03100208, near left bank, at downstream side of bridge on U. S. Highway 98, 0.6 mi (1.0 km) south of channel of Withlacoochee River, 2.9 mi (4.7 km) east of Richland, 8.5 mi (13.7 km) southeast of Dade City, and 55 mi (88 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1930 to September 1931; September 1950, July 1958 to March 1960 (discharge measurements only); April 1960 to current year. Published as supplement to Hillsborough River near Zephyrhills (station No. 02303000) July 1958 to September 1959.

GAGE.--Water-stage recorder. Datum of gage is 75.42 ft (22.988 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to July 17, 1958, nonrecording gage at site about 1 mi (1.6 km) downstream at different datum; July 17, 1958, to Apr. 24, 1960, nonrecording gage at present site and datum.

REMARKS.--Records fair. Flow is uncontrolled natural diversion from the Withlacoochee River basin to the Hillsborough River basin.

AVERAGE DISCHARGE.--20 years (water years 1931, 1961-79), 21.3 ft³/s (0.603 m³/s), 15,430 acre-ft/yr (19.0 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,880 ft³/s (53.2 m³/s) Mar. 19, 1960, gage height, 6.87 ft (2.094 m), from crest-stage gage; no flow for many days each year; channel dry at gage many days 1975, 1977, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 910 ft³/s (25.8 m³/s) Sept. 30, gage height, 5.72 ft (1.743 m); no flow for many days; channel dry at gage many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.8	79
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.2	102
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.8	114
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.2	129
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.5	147
6	.00	.00	.00	.00	.00	3.9	.00	.00	.00	.00	.84	180
7	.00	.00	.00	.00	.00	53	.00	.00	.00	.00	.70	213
8	.00	.00	.00	.00	.00	129	.00	.00	.00	.00	.81	222
9	.00	.00	.00	.00	.00	183	.00	.00	.00	.00	1.0	220
10	.00	.00	.00	.00	.00	198	.00	.00	.00	.00	.65	203
11	.00	.00	.00	.00	.00	192	.00	.00	.00	.00	1.3	179
12	.00	.00	.00	.00	.00	172	.00	.22	.00	.00	3.5	163
13	.00	.00	.00	.00	.00	146	.00	3.6	.00	.00	14	165
14	.00	.00	.00	.00	.00	115	.00	10	.00	.28	38	188
15	.00	.00	.00	.00	.00	88	.00	22	.00	5.0	98	348
16	.00	.00	.00	.00	.00	62	.00	31	.00	8.8	171	424
17	.00	.00	.00	.00	.00	46	.00	30	.00	16	200	448
18	.00	.00	.00	.00	.00	34	.00	24	.00	22	199	430
19	.00	.00	.00	.00	.00	24	.00	18	.00	26	185	391
20	.00	.00	.00	.00	.00	17	.00	14	.00	37	191	347
21	.00	.00	.00	.00	.00	11	.00	9.0	.00	43	236	316
22	.00	.00	.00	.00	.00	7.4	.00	5.1	.00	46	173	373
23	.00	.00	.00	.00	.00	5.5	.00	3.0	.00	48	131	433
24	.00	.00	.00	.00	.00	4.6	.00	2.7	.00	50	109	488
25	.00	.00	.00	.00	.00	3.3	.00	2.4	.00	49	110	497
26	.00	.00	.00	.00	.00	2.2	.00	1.4	.00	50	116	551
27	.00	.00	.00	.00	.00	1.4	.00	.83	.00	49	112	677
28	.00	.00	.00	.00	.00	.69	.00	.42	.00	43	97	752
29	.00	.00	.00	.00	.00	.42	.00	.32	.00	33	79	816
30	.00	.00	.00	.00	.00	.12	.00	.05	.00	22	73	858
31	.00	.00	.00	.00	.00	.00	.00	.05	.00	12	74	---
TOTAL	.00	.00	.00	.00	.00	1499.53	.00	178.09	.00	560.08	2432.30	10453
MEAN	.000	.000	.000	.000	.000	48.4	.000	5.74	.000	18.1	78.5	348
MAX	.00	.00	.00	.00	.00	198	.00	31	.00	50	236	858
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.65	79
AC-FT	.00	.00	.00	.00	.00	2970	.00	353	.00	1110	4820	20730
CAL YR 1978	TOTAL	5281.57	MEAN 14.5	MAX 284	MIN .00	AC-FT 10480						
WTR YR 1979	TOTAL	15123.00	MEAN 41.4	MAX 858	MIN .00	AC-FT 30000						

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHEE RIVER BASIN

02311000 WITHLACOOCHEE-HILLSBOROUGH OVERFLOW NEAR RICHLAND, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.11	.65	---	1.26	2.68	2.68	2.76	1.88	2.76	2.57	3.05	3.78
2	2.08	.60	---	1.56	2.68	2.69	2.73	1.86	2.72	2.54	2.99	3.91
3	2.02	.55	---	1.92	2.67	2.71	2.72	1.80	2.69	2.55	2.94	3.97
4	1.96	.50	---	1.93	2.66	2.71	2.69	1.72	2.66	2.51	2.92	4.04
5	1.90	.46	---	1.94	2.65	2.76	2.68	1.64	2.63	2.48	2.89	4.12
6	2.00	.45	---	1.95	2.62	3.04	2.67	1.56	2.60	2.45	2.86	4.26
7	1.95	.45	---	1.95	2.61	3.62	2.64	1.68	2.56	2.41	2.85	4.38
8	1.88	---	---	1.98	2.61	4.04	2.62	2.24	2.52	2.43	2.86	4.41
9	1.80	---	---	1.98	2.60	4.27	2.59	2.76	2.48	2.48	2.87	4.40
10	1.74	---	---	1.98	2.58	4.33	2.57	2.76	2.43	2.44	2.85	4.34
11	1.67	---	---	1.94	2.57	4.31	2.55	2.76	2.37	2.41	2.88	4.26
12	1.63	---	---	2.27	2.56	4.23	2.52	2.81	2.31	2.48	2.96	4.19
13	1.65	---	---	2.52	2.55	4.11	2.49	2.97	2.25	2.56	3.17	4.20
14	1.64	---	---	2.54	2.55	3.98	2.46	3.11	2.22	2.75	3.45	4.29
15	1.62	---	---	2.55	2.54	3.83	2.44	3.28	2.22	3.00	3.88	4.75
16	1.54	---	---	2.55	2.53	3.68	2.39	3.38	2.15	3.09	4.22	4.91
17	1.46	---	---	2.55	2.52	3.53	2.34	3.37	2.08	3.20	4.33	4.96
18	1.37	---	---	2.54	2.52	3.41	2.28	3.30	1.98	3.27	4.33	4.93
19	1.30	---	---	2.53	2.51	3.30	2.22	3.23	1.88	3.32	4.28	4.84
20	1.24	---	---	2.53	2.50	3.21	2.15	3.16	1.77	3.44	4.30	4.75
21	1.17	---	---	2.56	2.49	3.13	2.08	3.09	1.67	3.51	4.45	4.67
22	1.09	---	---	2.57	2.50	3.06	2.01	3.01	1.60	3.54	4.23	4.80
23	1.02	---	---	2.58	2.51	3.02	1.93	2.95	1.66	3.56	4.05	4.93
24	.95	---	---	2.67	2.54	3.00	1.88	2.94	2.02	3.57	3.95	5.04
25	.87	---	---	2.69	2.64	2.96	2.03	2.93	1.98	3.56	3.95	5.06
26	.82	---	---	2.68	2.70	2.92	2.04	2.89	1.92	3.57	3.98	5.15
27	.77	---	---	2.68	2.69	2.89	2.00	2.86	1.99	3.57	3.96	5.36
28	.76	---	.99	2.68	2.68	2.85	1.94	2.83	2.50	3.51	3.88	5.49
29	.80	---	1.31	2.68	---	2.83	1.86	2.81	2.53	3.40	3.78	5.59
30	.75	---	1.32	2.68	---	2.80	1.82	2.79	2.60	3.27	3.75	5.65
31	.70	---	1.29	2.68	---	2.78	---	2.79	---	3.14	3.76	---
MEAN	1.43	---	---	2.33	2.59	3.31	2.34	2.68	2.26	2.99	3.57	4.65
MAX	2.11	---	---	2.69	2.70	4.33	2.76	3.38	2.76	3.57	4.45	5.65
MIN	.70	---	---	1.26	2.49	2.68	1.82	1.56	1.60	2.41	2.85	3.78

WITHLACOOCHIEE RIVER BASIN

02311500 WITHLACOOCHIEE RIVER NEAR DADE CITY, FL

LOCATION.--Lat 28°21'08", long 82°07'34", in SE¼ sec.32, T.24 S., R.22 E., Pasco County, Hydrologic Unit 03100208, near left bank on downstream side of Lanier Bridge on River Road, 4 mi (6 km) east of Dade City, and 110 mi (177 km) upstream from mouth.

DRAINAGE AREA.--390 mi² (1,000 km²), approximately.

PERIOD OF RECORD.--

DISCHARGE: February 1930 to March 1933, July 1958 to October 1962 (discharge measurements), water years 1959-62 (annual maximum), January 1964 to current year (discharge measurements and gage heights only).

WATER TEMPERATURE: October 1958 to current year. Records of miscellaneous temperature observations prior to October 1975 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1962: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Feb. 11, 1930, to Mar. 31, 1933, and July 21, 1958, to Nov. 19, 1958, nonrecording gage, and Nov. 20, 1958, to Oct. 3, 1962, nonrecording gage and crest-stage gage at same site at datum 64.29 ft (19.596 m) higher.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum discharge, 5,900 ft³/s (167 m³/s) Mar. 21, 1960, gage height, 78.57 ft (23.948 m), present datum, from rating curve extended above 3,600 ft³/s (102 m³/s); no flow observed in 1962, 1965; minimum gage height observed, 66.40 ft (20.239 m), present datum, May 22, 1962.

WATER TEMPERATURE: (1975-79); Maximum observed, 28.0°C Sept. 21, 1978; minimum observed, 10.0°C Feb. 10, 1978, Jan. 30, 1979.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
NOV 08...	1100	8.5	21.0	JUL 09...	1230	26	27.0
JAN 30...	0945	165	10.0	SEP 19...	0830	1240	25.0
MAR 21...	1015	394	18.0	27...	1530	1670	26.0
MAY 23...	1000	289	22.5				

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOCHEE RIVER BASIN

02311500 WITHLACOCHEE RIVER NEAR DADE CITY, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.38	69.08	69.28	69.75	71.49	71.51	71.16	69.90	70.91	70.05	72.42	73.58
2	69.38	69.08	69.30	69.91	71.49	71.56	71.13	69.91	70.79	70.02	72.28	73.60
3	69.34	69.04	69.30	70.01	71.43	71.61	70.97	69.81	70.65	70.02	72.10	73.64
4	69.30	69.02	69.28	69.95	71.37	71.71	70.85	69.81	70.53	69.86	72.00	73.76
5	69.28	69.00	69.26	69.71	71.29	71.86	70.75	69.71	70.41	69.78	71.86	73.80
6	69.30	69.00	69.24	69.53	71.19	72.91	70.51	69.61	70.27	69.70	71.80	73.86
7	69.30	69.04	69.24	69.51	71.15	73.01	70.46	69.86	70.17	69.66	71.66	74.06
8	69.26	69.06	69.20	69.51	71.11	73.91	70.43	69.66	70.10	69.68	71.58	74.20
9	69.22	69.06	69.14	69.45	71.01	74.01	70.37	71.01	69.96	69.70	71.62	74.26
10	69.18	69.08	69.16	69.39	70.97	74.15	70.29	71.01	69.88	69.80	71.66	74.30
11	69.16	69.06	69.18	69.29	70.90	74.27	70.23	71.01	69.80	69.86	71.70	74.28
12	69.18	69.04	69.18	69.77	70.79	74.23	70.13	71.26	69.74	70.20	71.90	74.26
13	69.20	69.02	69.24	70.29	70.71	74.21	70.07	71.49	69.72	70.52	72.08	74.24
14	69.24	69.10	69.20	70.19	70.65	74.11	70.00	71.86	69.70	70.98	72.28	74.20
15	69.30	69.06	69.14	70.11	70.59	74.07	69.91	72.31	69.66	71.46	72.80	74.84
16	69.24	69.02	69.14	70.01	70.53	73.81	69.90	72.57	69.64	71.88	73.08	75.04
17	69.20	69.04	69.12	69.89	70.49	73.41	69.88	72.75	69.60	72.04	73.00	75.10
18	69.26	69.04	69.12	69.87	70.41	73.19	69.88	72.77	69.58	72.32	74.10	75.20
19	69.26	69.04	69.12	70.25	70.41	72.95	69.61	72.69	69.54	72.46	74.14	75.12
20	69.26	69.04	69.12	70.63	70.31	72.73	69.61	72.59	69.50	72.46	74.24	75.04
21	69.20	69.04	69.14	71.17	70.31	72.51	69.61	72.43	69.48	72.60	74.30	74.94
22	69.16	69.04	69.14	71.29	70.29	72.41	69.61	72.33	69.74	72.82	74.42	75.06
23	69.12	69.06	69.16	71.49	70.35	72.29	69.61	72.10	69.70	72.90	74.20	75.08
24	69.10	69.06	69.18	71.51	70.41	72.19	69.60	71.95	69.72	73.00	74.02	75.32
25	69.08	69.06	69.20	71.42	70.63	72.03	69.81	72.01	69.86	73.00	73.82	75.38
26	69.06	69.06	69.22	71.41	70.85	71.91	69.97	71.81	69.80	73.00	73.81	75.48
27	69.04	69.06	69.26	71.37	71.17	71.77	69.90	71.61	69.70	73.00	73.80	75.70
28	69.06	69.06	69.71	71.33	71.41	71.65	69.81	71.49	69.86	72.98	73.76	75.90
29	69.10	69.08	69.87	71.33	---	71.43	69.86	71.35	70.10	72.90	73.66	76.06
30	69.10	69.12	69.71	71.39	---	71.35	69.88	71.21	70.12	72.80	73.54	76.34
31	69.10	---	69.61	71.47	---	71.23	---	71.01	---	72.66	73.56	---
MEAN	69.21	69.05	69.26	70.39	70.85	72.71	70.13	71.32	69.94	71.42	72.94	74.72
MAX	69.38	69.12	69.87	71.51	71.49	74.27	71.16	72.77	70.91	73.00	74.42	76.34
MIN	69.04	69.00	69.12	69.29	70.29	71.23	69.60	69.61	69.48	69.66	71.58	73.58
CAL YR 1978	MEAN 70.90		MAX 74.70		MIN 69.00							
WTR YR 1979	MEAN 71.00		MAX 76.34		MIN 69.00							

WITHLACOOCHEE RIVER BASIN

02312000 WITHLACOOCHEE RIVER AT TRILBY, FL

LOCATION.--Lat 28°28'47", long 82°10'40", in SE¼ sec.14, T.23 S., R.21 E., Hernando County, Hydrologic Unit 03100208, on right bank at downstream side of bridge on U.S. Highway 301, 1.6 mi (2.6 km) northeast of Trilby, 10 mi (16 km) upstream from Little Withlacoochee River, and 93 mi (150 km) upstream from mouth.

DRAINAGE AREA.--570 mi² (1,480 km²), approximately.

PERIOD OF RECORD.--August 1928 to February 1929, February 1930 to current year.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 49.27 ft (15.017 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1938, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 0.12 ft (0.037 m) lower.

REMARKS.--Records good. High-water diversion above station into Hillsborough River basin through Withlacoochee-Hillsborough overflow near Richland (station 02311000). Records include considerable amount of waste water diverted from ground-water supplies during packing season by Evans and Pasco Packing Companies, in SW¼ sec.23, T.24 S., R.21 E., 5 mi (8 km) upstream from Withlacoochee River.

AVERAGE DISCHARGE.--49 years (water years 1931-79), 362 ft³/s (10.25 m³/s), 262,300 acre-ft/yr (323 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,840 ft³/s (250 m³/s) June 21, 1934, gage height, 20.5 ft (6.25 m), site and datum then in use; minimum observed, 7.3 ft³/s (0.21 m³/s) June 27, 1977, gage height, 0.54 ft (0.165 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,440 ft³/s (97.4 m³/s) Sept. 30, gage height, 15.81 ft (4.819 m); minimum 29 ft³/s (0.82 m³/s) Nov. 7, 21; minimum gage height, 1.17 ft (0.357 m) Nov. 6, 7.

Discharge measurements and water temperature, of Dade City Canal near Dade City (Evans and Pasco Packing Co. Canals combine to form Dade City Canal), for the water year 1978-79 are given in the table below.

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
NOV				MAY			
08...	1300	7.6	25.0	23...	1330	30	26.0
JAN				JUL			
30...	1200	35	20.0	09...	1030	10	26.0
MAR				SEP			
21...	1300	12	20.0	19...	1200	17	26.0

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOCHEE RIVER BASIN

02312000 WITHLACOCHEE RIVER AT TRILBY, FL

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	33	36	67	184	183	262	41	225	46	379	1050
2	54	32	37	68	184	194	233	40	197	50	378	1030
3	52	32	37	72	187	208	208	43	169	58	373	999
4	51	31	38	72	189	221	191	43	147	62	365	977
5	50	31	40	68	191	242	175	45	122	61	351	957
6	45	30	42	68	190	308	160	46	103	58	335	938
7	46	30	42	66	194	375	143	46	94	55	317	916
8	43	31	42	64	199	437	129	142	85	55	340	892
9	42	31	45	57	195	494	111	252	78	55	340	876
10	42	31	45	54	182	538	97	240	70	55	321	869
11	42	31	41	56	168	589	93	223	64	54	307	870
12	41	31	37	74	155	645	90	230	56	55	311	900
13	40	31	38	113	143	710	84	256	51	61	328	962
14	40	30	42	118	131	772	78	269	51	65	348	1010
15	40	31	43	106	128	822	73	268	52	69	374	1310
16	39	30	46	92	125	860	64	272	51	75	391	1640
17	38	31	47	89	120	880	52	284	48	93	393	1780
18	37	31	45	91	117	877	48	296	46	123	422	1850
19	36	31	40	84	111	856	48	314	41	155	471	1880
20	35	30	39	82	104	820	47	340	37	188	540	1890
21	35	30	43	89	102	761	45	362	36	218	609	1900
22	36	31	45	97	100	701	43	369	38	239	678	1950
23	35	31	45	108	99	650	38	364	45	261	772	2060
24	35	32	50	145	110	604	33	364	43	285	868	2160
25	34	31	54	171	131	554	39	367	38	314	972	2220
26	34	31	48	187	160	501	49	359	37	340	1060	2500
27	33	31	42	196	165	451	48	342	39	357	1120	2890
28	33	32	50	199	172	402	47	321	42	368	1120	3180
29	33	33	65	197	---	358	49	295	43	374	1100	3380
30	33	33	68	190	---	324	48	269	44	378	1070	3430
31	33	---	67	183	---	292	---	249	---	379	1060	---
TOTAL	1243	934	1399	3323	4236	16629	2825	7351	2192	5006	17813	49266
MEAN	40.1	31.1	45.1	107	151	536	94.2	237	73.1	161	575	1642
MAX	56	33	68	199	199	880	262	369	225	379	1120	3430
MIN	33	30	36	54	99	183	33	40	36	46	307	869
AC-FT	2470	1850	2770	6590	8400	32980	5600	14580	4350	9930	35330	97720
CAL YR 1978	TOTAL	103792	MEAN 284	MAX 1280	MIN 30	AC-FT 205900						
WTR YR 1979	TOTAL	112217	MEAN 307	MAX 3430	MIN 30	AC-FT 222600						

02312000 WITHLACOOCHIEE RIVER AT TRILBY, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.58	1.22	1.36	1.96	3.67	3.65	4.49	1.58	4.20	1.72	5.82	9.76
2	1.55	1.21	1.38	1.98	3.67	3.78	4.17	1.54	3.87	1.80	5.81	9.66
3	1.50	1.21	1.38	2.05	3.70	3.94	3.88	1.62	3.54	1.96	5.76	9.51
4	1.48	1.20	1.41	2.05	3.73	4.10	3.68	1.62	3.26	2.02	5.69	9.40
5	1.45	1.19	1.45	1.99	3.75	4.34	3.49	1.66	2.94	2.01	5.56	9.30
6	1.33	1.18	1.49	1.98	3.74	5.07	3.30	1.68	2.68	1.95	5.40	9.20
7	1.38	1.18	1.49	1.95	3.78	5.74	3.10	1.68	2.54	1.91	5.22	9.09
8	1.33	1.20	1.50	1.90	3.84	6.29	2.92	3.07	2.41	1.91	5.45	8.96
9	1.31	1.22	1.55	1.78	3.79	6.73	2.68	4.48	2.30	1.90	5.45	8.88
10	1.31	1.22	1.55	1.73	3.64	7.03	2.48	4.35	2.16	1.91	5.26	8.85
11	1.31	1.22	1.48	1.77	3.47	7.36	2.43	4.15	2.05	1.88	5.12	8.85
12	1.29	1.22	1.38	2.08	3.32	7.73	2.38	4.23	1.91	1.90	5.16	9.00
13	1.28	1.22	1.42	2.67	3.16	8.09	2.30	4.53	1.82	2.01	5.33	9.32
14	1.29	1.22	1.50	2.74	3.02	8.39	2.20	4.68	1.83	2.07	5.53	9.59
15	1.29	1.23	1.52	2.58	2.97	8.63	2.13	4.67	1.84	2.15	5.76	10.79
16	1.28	1.23	1.57	2.39	2.93	8.81	1.97	4.71	1.82	2.25	5.88	11.87
17	1.26	1.24	1.59	2.36	2.87	8.90	1.75	4.85	1.77	2.53	5.88	12.27
18	1.24	1.26	1.56	2.38	2.82	8.89	1.68	4.99	1.72	2.96	6.11	12.46
19	1.23	1.25	1.45	2.28	2.74	8.78	1.68	5.18	1.62	3.36	6.49	12.53
20	1.22	1.23	1.44	2.26	2.65	8.60	1.67	5.44	1.54	3.76	6.96	12.56
21	1.22	1.22	1.51	2.37	2.61	8.30	1.62	5.66	1.52	4.12	7.42	12.58
22	1.24	1.25	1.55	2.50	2.59	8.00	1.59	5.73	1.56	4.36	7.87	12.70
23	1.23	1.26	1.56	2.66	2.58	7.70	1.50	5.68	1.71	4.61	8.36	12.98
24	1.23	1.27	1.66	3.16	2.72	7.40	1.38	5.68	1.65	4.87	8.84	13.24
25	1.22	1.26	1.73	3.48	3.00	7.05	1.51	5.72	1.57	5.19	9.37	13.38
26	1.21	1.25	1.61	3.69	3.38	6.69	1.72	5.63	1.54	5.45	9.83	14.01
27	1.21	1.25	1.49	3.79	3.44	6.31	1.71	5.47	1.58	5.62	10.10	14.83
28	1.20	1.26	1.65	3.83	3.52	5.89	1.69	5.26	1.65	5.72	10.10	15.38
29	1.22	1.29	1.94	3.81	---	5.49	1.73	4.98	1.66	5.78	10.00	15.72
30	1.22	1.30	1.97	3.74	---	5.16	1.70	4.70	1.68	5.81	9.89	15.80
31	1.22	---	1.96	3.65	---	4.82	---	4.47	---	5.83	9.83	---
MEAN	1.30	1.23	1.55	2.57	3.25	6.70	2.35	4.18	2.13	3.27	6.94	11.42
MAX	1.58	1.30	1.97	3.83	3.84	8.90	4.49	5.73	4.20	5.83	10.10	15.80
MIN	1.20	1.18	1.36	1.73	2.58	3.65	1.38	1.54	1.52	1.72		

WITHLACOOCHIEE RIVER BASIN

02312140 BAYROOT SLOUGH HEADWATERS NEAR BAY LAKE, FL

LOCATION.--Lat 28°27'23", long 81°55'14", in NW¼ sec.28, T.23 S., R.24 E., Lake County, Hydrologic Unit 03100208, at bridge on State Highway 565, 0.1 mi (0.2 km) upstream from Seaboard Coast Line Railroad bridge, and 1.5 mi (2.4 km) southwest of town of Bay Lake.

DRAINAGE AREA.--18 mi² (47 km²), approximately.

PERIOD OF RECORD.--

DISCHARGE: 1960-61 (one or two discharge measurements each water year), October 1963 to current year (discharge measurements only).
WATER TEMPERATURE: October 1960 to current year. Records of miscellaneous temperature observations prior to October 1975 are in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1972: Drainage area.

REMARKS.--Discharge measurements made along railroad fill from 1.0 mi (1.6 km) north to 0.8 mi (1.3 km) south of State Highway 565, which includes Bayroot Slough, Bayroot Drain and Cam Slough.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum discharge measured, 202 ft³/s (5.72 m³/s) Sept. 14, 1960; no flow observed each year.
WATER TEMPERATURE: (1975-79); Maximum observed, 27.0°C Aug. 22, 1978, minimum observed, 11.0°C Jan. 11, 1977.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
DEC				JUN			
13...	--	.00	--	08...	1330	.00	--
FEB				JUL			
13...	--	.00	--	25...	1525	.00	--
APR				SEP			
17...	--	.00	--	25...	1600	122	25.0

WITHLACOCHEE RIVER BASIN

02312180 LITTLE WITHLACOCHEE RIVER NEAR TARRYTOWN, FL

LOCATION.--Lat 28°31'17", long 82°03'18", in NE¼ sec.1, T.23 S., R.22 E., Sumter County, Hydrologic Unit 03100208, near center of span on downstream side of bridge on State Highway 471, 2.3 mi (3.7 km) south of Tarrytown, 3.1 mi (5.0 km) southwest of Linden, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--85 mi² (220 km²), approximately.

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

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 80.00 ft (24.384 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair except those for period of no gage-height record, Nov. 22 to Jan. 29, which are poor. Above bankfull stage, discharge measurements are made along State Highway 471 and include all flow from 2.3 mi (3.7 km) north to 2.8 mi (4.5 km) south of gaging station.

AVERAGE DISCHARGE.--13 years, 41.4 ft³/s (1.172 m³/s), 6.61 in/yr (168 mm/yr), 29,990 acre-ft/yr (37.0 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,130 ft³/s (32.0 m³/s) Sept. 28, 1979, gage height, 6.58 ft (2.006 m); no flow for many days each year; river dry at gage for many days in 1967, 1968, 1971, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft³/s (32.0 m³/s) Sept. 28, gage height, 6.58 ft (2.006 m); no flow for many days; minimum gage height, 1.40 ft (0.427 m) Dec. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.00	.00	.03	4.2	7.4	12	1.5	1.5	.00	.00	3.8
2	.21	.00	.00	.04	3.7	6.5	11	1.3	1.0	.00	.00	4.6
3	.12	.00	.00	.06	3.4	6.0	9.6	1.0	.66	.00	.00	3.3
4	.09	.00	.00	.08	3.1	7.1	8.1	.73	.35	.00	.00	6.1
5	.07	.00	.00	.10	3.1	21	6.8	.52	.14	.00	.00	9.2
6	.06	.00	.00	.07	3.5	76	6.2	.35	.10	.00	.00	15
7	.03	.00	.00	.05	5.0	111	5.5	.56	.15	.00	.00	20
8	.03	.00	.00	.50	5.5	115	4.4	13	.10	.00	.06	35
9	.00	.00	.00	2.0	4.4	115	3.9	26	.08	.00	.43	40
10	.00	.00	.00	1.5	3.9	104	3.5	21	.06	.00	.61	47
11	.00	.00	.00	1.0	3.5	97	3.0	18	.04	.00	.73	57
12	.00	.00	.00	5.0	3.1	82	2.3	20	.01	.00	1.9	73
13	.00	.00	.00	10	2.8	72	2.0	17	.00	.00	2.0	97
14	.00	.00	.00	9.0	2.6	61	1.6	16	.00	.00	3.4	107
15	.00	.00	.00	10	2.4	55	1.3	24	.00	.00	3.8	184
16	.00	.00	.00	11	2.3	47	.96	24	.00	.00	1.6	250
17	.00	.00	.00	12	2.2	43	.73	20	.00	.00	1.0	324
18	.00	.00	.00	12	2.2	40	.56	16	.00	.00	.68	405
19	.00	.00	.00	10	2.2	38	.38	13	.00	.00	.45	440
20	.00	.00	.00	8.0	2.0	36	.21	10	.00	.00	.36	429
21	.00	.00	.00	7.0	1.9	35	.11	8.4	.00	.00	.28	417
22	.00	.00	.00	6.0	1.8	33	.09	7.1	.00	.00	.21	487
23	.00	.00	.00	9.0	2.1	33	.07	5.7	.00	.00	.55	537
24	.00	.00	.00	8.0	3.1	32	.15	6.5	.00	.00	1.4	612
25	.00	.00	.00	7.0	8.4	30	1.9	8.1	.00	.00	2.3	598
26	.00	.00	.00	6.5	11	27	2.2	6.8	.00	.00	1.3	803
27	.00	.00	.00	6.0	9.2	25	1.8	5.5	.00	.00	1.3	1040
28	.00	.00	.00	5.0	8.1	21	1.4	4.6	.00	.00	.99	1110
29	.00	.00	.00	4.5	---	19	1.0	3.9	.00	.00	.69	1020
30	.00	.00	.00	4.6	---	17	1.0	2.8	.00	.00	.58	936
31	.00	---	.02	4.6	---	15	---	2.1	---	.00	1.5	---
TOTAL	.91	.00	.02	160.63	110.7	1427.0	93.76	305.46	4.19	.00	28.12	10110.0
MEAN	.029	.000	.001	5.18	3.95	46.0	3.13	9.85	.14	.000	.91	337
MAX	.30	.00	.02	12	11	115	12	26	1.5	.00	3.8	1110
MIN	.00	.00	.00	.03	1.8	6.0	.07	.35	.00	.00	.00	3.3
CFSM	.000	.000	.000	.06	.05	.54	.04	.12	.002	.000	.01	3.97
IN	.00	.00	.00	.07	.05	.62	.04	.13	.00	.00	.01	4.42
AC-FT	1.8	.00	.04	319	220	2830	186	606	8.3	.00	56	20050
CAL YR 1978 TOTAL	12936.71			MEAN 35.4	MAX 297	MIN .00	CFSM .42	IN 5.66	AC-FT 25660			
WTR YR 1979 TOTAL	12240.79			MEAN 33.5	MAX 1110	MIN .00	CFSM .39	IN 5.36	AC-FT 24280			

02312194 BIG GANT CANAL AT STRUCTURE S-11, NEAR WEBSTER, FL

DRAINAGE AREA.--18 mi² (47 km²), approximately.

PERIOD OF RECORD. --

DISCHARGE: June 1970 to current year (discharge measurements and thrice-weekly gage heights only), incomplete.

WATER TEMPERATURE: October 1970 to current year. Records of miscellaneous temperature observations prior to October 1975 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Elevation of Big Gant Lake and flow at station regulated by manipulation of stoplogs in structure S-11; crest of weir is at elevation 72.6 ft (22.13 m) with all stoplogs out and 75.8 ft (23.10 m) with all stoplogs in place.

EXTREMES FOR PERIOD OF RECORD. --

DISCHARGE: Maximum discharge measured, 29 ft³/s (0.82 m³/s) Sept. 9, 1974; maximum gage height observed, 76.78 ft (28.403 m)

Mar. 31, 1972; no flow observed in 1971, 1974-75, 1977, 1979; minimum gage height observed, 72.12 ft (21.982 m) Aug. 22, 1977.

WATER TEMPERATURE: (1975-79): Maximum observed, 30.5°C July 5, 1979; minimum observed, 14.0°C Jan. 11, 1977, Jan. 26, 1979.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
NOV 07...	--	.00	--	MAY 25...	1130	7.0	26.5
JAN 26...	1520	5.4	14.0	JUL 05...	1615	.08	30.5
MAR 20...	1600	4.1	22.0	SEP 21...	1745	14	27.0

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

02312197 BIG GANT CANAL AT STRUCTURE WC-2, AT RERDELL, FL

DRAINAGE AREA.--30 mi² (80 km²), approximately.

PERIOD OF RECORD. --

DISCHARGE: June 1970 to current year (discharge measurements and thrice-weekly gage heights only), incomplete.

WATER TEMPERATURE: October 1975 to current year. Records of miscellaneous temperature observations prior to October 1975 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Soil Conservation Service bench mark). Auxiliary gage at downstream side of structure.

REMARKS.--Flow at station regulated by manipulation of gates in spillway; flow over closed gates occurs at elevation 65.55 ft (19.980 m).

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum discharge measured, 83 ft³/s (2.35 m³/s) July 8, 1974; maximum gage height observed, 70.00 ft (21.336 m) Sept. 30, 1979; minimum discharge, 0.6 ft³/s (0.02 m³/s), estimated, Sept. 2, 1977; minimum gage height observed, 65.00 ft (19.812 m) Sept. 4, 1979.

WATER TEMPERATURE: (1975-79); Maximum temperature observed, 30.0°C July 5, 1979; minimum observed, 13.0°C Jan. 12, 1978.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
NOV 07...	1515	4.9	20.5	MAY 22...	1345	20	26.0
JAN 26...	1400	18	14.0	JUL 05...	1500	6.7	30.0
MAR 20...	1430	8.4	22.0	SEP 18...	0715	32	27.0

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHIE RIVER BASIN

02312198 BIG GANT CANAL BELOW STRUCTURE WC-2, AT BERDELL, FL

LOCATION.--Lat 28°34'16", long 82°08'54", in SW¼ sec.18, T.22 S., R.22 E., Sumter County, Hydrologic Unit 03100208, on left bank 75 ft (23 m) downstream from structure WC-2, 0.1 mi (0.2 km) upstream from mouth, and 0.5 mi (0.8 km) east of Rerdell.

DRAINAGE AREA.--30 mi² (80 km²), approximately.

PERIOD OF RECORD.--June 1970 to current year (thrice-weekly gage heights only), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Soil Conservation Service bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 70.00 ft (21.336 m) Sept. 30, 1979; minimum observed, 62.10 ft (18.928 m) Aug. 15, 17, 22, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 70.00 ft (21.336 m) Sept. 30; minimum observed, 62.40 ft (19.020 m) Dec. 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

WITHLACOOCHIEE RIVER BASIN

02312200 LITTLE WITHLACOOCHIEE RIVER AT RERDELL, FL

LOCATION.--Lat 28°34'21", long 82°09'20", in SE¼ sec.13, T.22 S., R.21 E., Hernando County, Hydrologic Unit 03100208, near center of span on downstream side of bridge on U.S. Highway 301, 0.2 mi (0.3 km) north of Rerdell, and 4.8 mi (7.7 km) upstream from mouth.

DRAINAGE AREA.--145 mi² (376 km²), approximately.

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

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 59.02 ft (17.989 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Above bankfull stage, discharge measurements are made along U.S. Highway 301 and include all flow from 3.4 mi (5.5 km) north to 1.8 mi (2.9 km) south of gaging station.

AVERAGE DISCHARGE.--21 years, 86.9 ft³/s (2.461 m³/s), 8.14 in/yr (207 mm/yr), 62,960 acre-ft/yr (77.6 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,400 ft³/s (96.3 m³/s) Mar. 19, 1960, gage height, 12.32 ft (3.755 m); no flow for many days in 1961, 1962, 1977; minimum gage height, 0.90 ft (0.274 m) June 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,170 ft³/s (33.1 m³/s) Sept. 30, gage height, 9.68 ft (2.950 m); minimum, 0.56 ft³/s (0.016 m³/s) Dec. 19, 20, gage height, 1.46 ft (0.445 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	8.2	3.6	1.4	3.4	18	22	24	6.7	21	4.5	2.5	28		
2	8.2	3.4	1.6	4.8	17	22	21	6.2	18	4.2	2.8	28		
3	7.7	3.2	1.4	5.1	16	21	18	5.1	15	3.8	2.7	43		
4	7.3	3.1	2.1	4.4	15	19	17	4.3	13	4.3	3.0	74		
5	7.2	3.1	3.0	4.3	15	20	15	3.9	12	6.0	2.8	45		
6	6.9	3.0	2.9	4.4	15	46	14	3.7	12	4.4	3.8	24		
7	6.7	3.1	1.8	4.1	17	70	12	4.4	12	3.4	3.2	29		
8	6.3	3.5	1.8	4.6	17	105	11	80	11	3.8	5.2	28		
9	6.0	3.0	1.7	4.4	16	140	9.6	126	11	4.3	4.5	28		
10	5.7	2.9	1.7	4.4	15	149	9.6	110	9.6	3.7	3.8	29		
11	6.5	2.6	1.6	4.3	15	151	8.6	92	8.8	3.4	3.9	32		
12	6.7	2.5	1.5	11	14	144	7.8	94	8.7	3.3	5.7	43		
13	6.1	2.4	1.4	12	14	132	7.2	82	8.5	4.4	6.3	58		
14	6.0	2.5	.86	11	13	118	7.1	88	8.3	4.7	6.2	73		
15	5.8	2.4	.78	12	13	106	9.0	82	7.7	3.9	6.1	148		
16	5.2	2.1	.72	13	12	94	7.9	68	7.5	4.4	6.0	233		
17	4.9	2.0	.69	14	12	84	6.4	57	7.3	4.8	5.4	264		
18	4.6	1.9	.63	14	11	75	5.7	49	6.8	4.4	5.2	267		
19	4.5	1.9	.59	13	11	67	5.1	44	6.4	4.1	5.1	289		
20	4.5	1.9	.58	13	10	60	4.6	40	5.9	4.1	5.2	330		
21	4.5	1.9	.66	15	9.9	55	4.4	35	5.8	3.8	5.9	355		
22	4.3	1.7	.79	15	9.9	50	4.2	31	5.5	3.5	5.3	387		
23	4.1	1.6	.76	14	9.9	48	3.7	26	5.5	4.0	6.5	417		
24	3.9	1.4	1.6	26	12	47	4.2	25	5.1	4.0	7.8	487		
25	3.9	1.6	2.8	24	17	44	7.1	25	4.8	3.8	9.0	525		
26	3.7	1.5	1.7	22	19	41	6.5	22	4.6	3.2	24	716		
27	3.7	1.1	1.7	22	19	37	6.1	20	5.0	2.9	33	923		
28	3.7	1.1	4.0	21	20	34	6.8	19	5.4	2.6	20	1060		
29	4.4	1.1	3.6	20	---	31	6.5	17	4.5	2.6	16	1150		
30	4.0	1.0	3.3	19	---	28	6.3	20	4.4	2.5	15	1160		
31	3.8	---	3.2	19	---	25	---	26	---	2.5	22	---		
TOTAL	169.0	68.1	2.86	378.2	402.7	2085	276.4	1312.3	261.1	119.3	253.9	9273		
MEAN	5.45	2.27	1.71	12.2	14.4	67.3	9.21	42.3	8.70	3.85	8.19	309		
MAX	8.2	3.6	4.0	26	20	151	24	126	21	6.0	33	1160		
MIN	3.7	1.0	.58	3.4	9.9	19	3.7	3.7	4.4	2.5	2.5	24		
CFSM	.04	.02	.01	.08	.10	.46	.06	.29	.06	.03	.06	2.13		
IN.	.04	.02	.01	.10	.10	.53	.07	.34	.07	.03	.07	2.38		
AC-FT	335	135	105	750	799	4140	548	2600	518	237	504	18390		
CAL YR 1978	TOTAL	18310.36	MEAN	50.2	MAX	264	MIN	.58	CFSM	.35	IN	4.70	AC-FT	36320
WTR YR 1979	TOTAL	14651.86	MEAN	40.1	MAX	1160	MIN	.58	CFSM	.28	IN	3.76	AC-FT	29060

WITHLACOOCHEE RIVER BASIN

02312500 WITHLACOOCHEE RIVER AT CROOM, FL

LOCATION.--Lat 28°35'33", long 82°13'20", in NE¼ sec.8, T.22 S., R.21 E., Hernando County, Hydrologic Unit 03100208, on left bank at upstream side of abandoned highway bridge, 0.4 mi (0.6 km) northwest of Croom, 2.3 mi (3.7 km) downstream from Little Withlacoochee River, 4.5 mi (7.2 km) southeast of Nobleton, and 77 mi (124 km) upstream from mouth.

DRAINAGE AREA.--810 mi² (2,100 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 38.94 ft (11.869 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Feb. 2, 1940, nonrecording gage at railroad bridge 500 ft (150 m) upstream at same datum.

REMARKS.--Records good. Records include considerable amount of waste water diverted from ground-water supplies during packing season by packing companies upstream (see station 02312000 Withlacoochee River at Trilby).

AVERAGE DISCHARGE.--40 years, 472 ft³/s (13.37 m³/s), 342,000 acre-ft/yr (422 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,650 ft³/s (245 m³/s) Mar. 23, 1960, gage height, 13.78 ft (4.200 m); minimum, 14 ft³/s (0.40 m³/s) June 29, 1977, gage height, 1.41 ft (0.430 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1934 reached a stage of 15.2 ft (4.63 m), from floodmark, discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,540 ft³/s (129 m³/s) Sept. 30, stage rising, peak occurred Oct. 3, 1979; maximum peak discharge, 865 ft³/s (24.5 m³/s) Mar. 18, 19, gage height, 6.90 ft (2.103 m); minimum discharge, 48 ft³/s (1.36 m³/s) Dec. 20, 21; minimum gage height, 1.90 ft (0.579 m) Dec. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	70	58	82	208	178	349	81	329	86	352	1040
2	116	68	58	88	205	188	325	78	307	85	365	1030
3	113	66	58	93	204	197	301	73	284	86	366	1020
4	110	64	58	92	203	207	279	71	260	90	369	1010
5	108	62	59	91	205	220	260	70	238	92	366	1000
6	105	60	60	88	207	263	244	70	217	92	365	990
7	103	50	58	87	210	319	227	76	199	89	354	974
8	99	61	57	88	212	370	211	161	186	85	356	970
9	96	61	57	84	213	441	195	296	176	82	360	960
10	94	60	56	77	209	514	180	351	165	80	354	950
11	93	58	56	72	201	574	165	354	154	77	347	945
12	93	57	55	99	190	631	160	348	145	74	349	945
13	92	55	52	117	179	683	148	347	137	78	354	950
14	91	54	49	132	168	732	130	368	129	86	357	960
15	91	53	49	135	158	778	120	372	125	84	364	1200
16	88	53	52	129	152	817	115	367	121	86	378	1400
17	86	53	52	119	147	848	110	361	117	92	387	1620
18	84	52	51	112	143	864	105	359	111	104	393	1700
19	83	52	50	109	137	861	95	361	106	127	406	1800
20	81	52	49	102	130	840	88	368	99	156	435	1900
21	79	51	49	105	124	801	85	381	92	176	486	1980
22	77	50	51	107	120	751	85	393	92	196	544	2060
23	76	50	50	111	119	701	86	397	102	216	622	2140
24	74	50	58	141	118	652	85	400	107	237	707	2260
25	72	51	69	165	130	603	86	402	100	258	843	2440
26	71	52	66	183	149	556	85	398	95	279	889	2740
27	69	53	62	198	163	516	84	391	96	298	1100	3040
28	70	53	69	208	171	479	84	381	93	316	1120	3460
29	74	54	70	214	---	437	82	367	92	332	1130	3980
30	74	55	77	214	---	404	82	354	99	339	1100	4390
31	72	---	82	212	---	375	---	348	---	345	1060	---
TOTAL	2755	1690	1797	3854	4775	16800	4651	9144	4563	4823	17078	51854
MEAN	88.9	56.3	58.0	124	171	542	155	295	152	156	551	1728
MAX	121	70	82	214	213	864	349	402	329	345	1130	4390
MIN	69	50	49	72	118	178	82	70	89	74	347	945
AC-FT	5460	3350	3560	7640	9470	33320	9230	18140	9050	9570	33870	102900
CAL YR 1978	TOTAL	120162	MEAN 329	MAX 1320	MIN 49	AC-FT 238300						
WTR YR 1979	TOTAL	123784	MEAN 339	MAX 4390	MIN 49	AC-FT 245500						

WITHLACOOCHIEE RIVER BASIN

02312500 WITHLACOOCHIEE RIVER AT CROOM, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	2.14	2.02	2.27	3.72	3.46	4.82	2.56	4.67	2.61	4.84	7.27
2	2.65	2.12	2.01	2.33	3.69	3.54	4.64	2.52	4.50	2.60	4.93	7.25
3	2.61	2.10	2.01	2.38	3.68	3.62	4.45	2.48	4.33	2.61	4.94	7.23
4	2.58	2.08	2.02	2.37	3.67	3.70	4.29	2.46	4.14	2.66	4.96	7.21
5	2.55	2.06	2.03	2.36	3.69	3.82	4.14	2.45	3.96	2.67	4.94	7.20
6	2.52	2.04	2.04	2.33	3.70	4.16	4.01	2.45	3.79	2.68	4.93	7.16
7	2.49	2.04	2.02	2.32	3.73	4.59	3.87	2.50	3.64	2.64	4.85	7.13
8	2.45	2.04	2.00	2.33	3.75	4.97	3.74	3.30	3.53	2.60	4.87	7.12
9	2.41	2.05	2.00	2.29	3.76	5.40	3.61	4.42	3.45	2.57	4.90	7.10
10	2.39	2.04	1.99	2.22	3.73	5.77	3.47	4.83	3.35	2.54	4.86	7.08
11	2.38	2.02	1.99	2.17	3.65	6.03	3.35	4.85	3.25	2.52	4.80	7.07
12	2.38	2.00	1.98	2.44	3.56	6.24	3.30	4.81	3.17	2.49	4.82	7.07
13	2.37	1.98	1.95	2.65	3.47	6.41	3.20	4.80	3.09	2.53	4.85	7.08
14	2.36	1.97	1.92	2.82	3.37	6.56	3.03	4.95	3.03	2.61	4.88	7.10
15	2.36	1.96	1.92	2.89	3.28	6.69	2.94	4.98	2.99	2.59	4.93	7.60
16	2.33	1.96	1.95	2.88	3.23	6.79	2.89	4.95	2.95	2.61	5.02	7.90
17	2.31	1.96	1.95	2.82	3.19	6.86	2.85	4.91	2.91	2.67	5.08	8.20
18	2.29	1.95	1.94	2.79	3.15	6.90	2.80	4.89	2.86	2.79	5.12	8.30
19	2.27	1.95	1.93	2.79	3.10	6.89	2.70	4.91	2.80	3.00	5.21	8.43
20	2.26	1.95	1.92	2.77	3.04	6.84	2.63	4.96	2.73	3.26	5.38	3.55
21	2.24	1.94	1.91	2.80	2.98	6.75	2.60	5.04	2.67	3.44	5.63	8.65
22	2.22	1.93	1.93	2.82	2.94	6.61	2.60	5.12	2.67	3.62	5.91	8.73
23	2.21	1.93	1.93	2.86	2.93	6.47	2.61	5.15	2.77	3.78	6.20	8.81
24	2.19	1.93	2.01	3.14	2.92	6.31	2.60	5.17	2.82	3.95	6.49	8.94
25	2.17	1.94	2.14	3.34	3.04	6.14	2.61	5.18	2.75	4.12	6.84	9.10
26	2.16	1.95	2.10	3.50	3.20	5.96	2.60	5.16	2.70	4.29	7.17	9.40
27	2.14	1.96	2.06	3.63	3.33	5.78	2.59	5.11	2.71	4.43	7.40	9.68
28	2.14	1.96	2.13	3.71	3.40	5.59	2.59	5.04	2.68	4.57	7.44	10.06
29	2.19	1.97	2.14	3.76	---	5.39	2.57	4.95	2.67	4.69	7.46	10.49
30	2.18	1.98	2.22	3.77	---	5.19	2.57	4.85	2.64	4.75	7.40	10.84
31	2.16	---	2.27	3.75	---	5.00	---	4.81	---	4.79	7.31	---
MEAN	2.34	2.00	2.01	2.82	3.39	5.63	3.22	4.34	3.21	3.22	5.62	8.13
MAX	2.69	2.14	2.27	3.77	3.76	6.90	4.82	5.18	4.67	4.79	7.46	10.84
MIN	2.14	1.93	1.91	2.17	2.92	3.46	2.57	2.45	2.64	2.49	4.80	7.07

CAL YR 1978 MEAN 4.30 MAX 7.86 MIN 1.91

WTR YR 1979 MEAN 3.83 MAX 10.84 MIN 1.91

WITHLACOOCHEE RIVER BASIN

02312600 WITHLACOOCHEE RIVER NEAR FLORAL CITY, FL

LOCATION.--Lat 28°44'36", long 82°13'13", in SE¼ sec.17, T.20 S., R.21 E., Citrus County, Hydrologic Unit 03100208, on upstream shoreward corner of pavillion at Trails End Camp, 1.1 mi (1.8 km) downstream from diversions to Tsala Apopka Lake, 4.7 mi (7.6 km) east of Floral City, and 62 mi (100 km) upstream from mouth.

DRAINAGE AREA.--995 mi² (2,575 km²), approximately.

PERIOD OF RECORD.--

DISCHARGE: August 1958 to January 1965 (gage heights only), February 1965 to current year (discharge measurements and gage heights only). Records of gage heights prior to October 1962 are available in files of the Geological Survey.

WATER TEMPERATURE: October 1975 to current year. Records of miscellaneous temperature observations prior to October 1975 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge measurements made about 1 mi (2 km) downstream except during periods of overbank flow, when measurements are made at bridge on State Highway 48 about 2 mi (3 km) upstream and above diversions to Tsala Apopka Lake.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum measured, 2,140 ft³/s (60.6 m³/s) Aug. 26, 1965; maximum gage height, 45.24 ft (13.789 m) Mar. 25, 1960; minimum measured, 19 ft³/s (0.54 m³/s) July 12, 1977; minimum gage height, 38.08 ft (11.607 m) Apr. 18-22, 1962.

WATER TEMPERATURE: (1975-79); Maximum observed, 30.5°C July 5, 1979; minimum observed, 12.0°C Nov. 25, 1975, Feb. 3, 1976, Jan. 18, 1977, Jan. 4, 1978.

DISCHARGE MEASUREMENTS AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)
NOV 24...	0800	56	21.0	MAY 18...	1115	447	24.5
JAN 31...	0940	153	15.0	JUL 05...	1010	132	30.5
MAR 16...	1230	514	18.5	SEP 17...	1115	1400	26.0

WITHLACOOCHIEE RIVER BASIN

02312600 WITHLACOOCHIEE RIVER NEAR FLORAL CITY, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.52	39.54	39.50	39.78	40.70	40.20	41.18	40.06	41.08	39.96	40.34	41.76
2	39.52	39.54	39.54	39.80	40.68	40.20	41.16	40.04	41.04	39.95	40.48	41.89
3	39.55	39.54	39.58	39.82	40.66	40.20	41.14	40.00	41.00	39.94	40.56	41.96
4	39.52	39.54	39.62	39.82	40.64	40.24	41.02	39.96	40.98	39.93	40.58	42.00
5	39.52	39.52	39.66	39.82	40.64	40.24	40.96	39.94	40.96	39.92	40.59	42.00
6	39.50	39.50	39.66	39.82	40.64	40.50	40.88	39.92	40.92	39.91	40.60	41.98
7	39.50	39.50	39.65	39.80	40.66	40.60	40.80	39.90	40.86	39.90	40.76	41.96
8	39.48	39.50	39.65	39.82	40.66	40.68	40.76	40.60	40.82	39.89	40.78	41.94
9	39.46	39.50	39.63	39.84	40.64	40.76	40.66	41.14	40.70	39.88	40.80	41.94
10	39.46	39.50	39.60	39.82	40.60	40.86	40.60	41.24	40.60	39.94	40.78	41.80
11	39.46	39.50	39.60	39.82	40.58	40.86	40.54	41.30	40.50	39.92	40.78	41.78
12	39.46	39.48	39.60	40.06	40.56	40.94	40.48	41.36	40.46	39.96	40.80	41.78
13	39.48	39.48	39.60	40.20	40.54	41.00	40.44	41.38	40.44	39.98	40.84	41.78
14	39.48	39.48	39.60	40.26	40.50	41.18	40.38	41.44	40.40	39.90	40.82	41.82
15	39.54	39.48	39.58	40.27	40.44	41.26	40.34	41.50	40.38	39.90	40.82	41.83
16	39.56	39.46	39.58	40.28	40.38	41.32	40.28	41.48	40.34	39.88	40.80	42.08
17	39.58	39.46	39.58	40.30	40.32	41.40	40.24	41.46	40.30	39.89	40.80	42.14
18	39.58	39.46	39.58	40.28	40.28	41.48	40.18	41.42	40.24	39.90	40.80	42.22
19	39.56	39.46	39.56	40.28	40.24	41.52	40.14	41.38	40.20	40.00	40.80	42.30
20	39.56	39.44	39.56	40.30	40.20	41.58	40.08	41.34	40.16	40.06	40.84	42.40
21	39.54	39.44	39.54	40.34	40.16	41.59	40.00	41.30	40.14	40.08	40.86	42.46
22	39.52	39.42	39.54	40.34	40.16	41.60	39.98	41.28	40.10	40.10	40.90	42.56
23	39.50	39.42	39.54	40.34	40.16	41.59	39.88	41.26	40.08	40.12	41.00	42.66
24	39.50	39.40	39.54	40.62	40.16	41.60	40.04	41.24	40.20	40.14	41.06	42.72
25	39.50	39.40	39.56	40.62	40.18	41.56	40.20	41.28	40.16	40.16	41.20	42.92
26	39.48	39.40	39.58	40.64	40.22	41.50	40.20	41.24	40.10	40.18	41.26	43.24
27	39.48	39.40	39.60	40.68	40.20	41.46	40.18	41.26	40.16	40.20	41.35	43.46
28	39.46	39.40	39.68	40.70	40.20	41.42	40.14	41.22	40.10	40.24	41.44	43.56
29	39.50	39.40	39.72	40.72	---	41.36	40.10	41.18	40.08	40.26	41.54	43.68
30	39.50	39.40	39.78	40.76	---	41.30	40.09	41.12	40.06	40.30	41.60	43.78
31	39.50	---	39.78	40.74	---	41.24	---	41.10	---	40.32	41.66	---
MEAN	39.51	39.47	39.61	40.22	40.43	41.07	40.44	40.98	40.45	40.02	40.91	42.35
MAX	39.58	39.54	39.78	40.76	40.70	41.60	41.18	41.50	41.08	40.32	41.66	43.78
MIN	39.46	39.40	39.50	39.78	40.16	40.20	39.88	39.90	40.06	39.88	40.34	41.76
CAL YR 1978	MEAN 40.84		MAX 42.92	MIN 39.40								
WTR YR 1979	MEAN 40.45		MAX 43.78	MIN 39.40								

WITHLACOOCHIE RIVER BASIN

02312635 JUMPER CREEK CANAL NEAR SUMTERVILLE, FL

LOCATION.--Lat 28°41'46", long 82°03'18", in NE¼ sec.1, T.21 S., R.22 E., Sumter County, Hydrologic Unit 03100208, near left bank on downstream side of bridge on State Highway 471, 3.4 mi (5.5 km) south of Sumterville, 4.2 mi (6.8 km) northeast of Bushnell, and 12.9 mi (20.8 km) upstream from mouth.

DRAINAGE AREA.--28.6 mi² (74.1 km²).

PERIOD OF RECORD.--October 1976 to September 1977, March to September 1979.

GAGE.--Water-stage recorder. Datum of gage is 68.04 ft (20.739 m) National Geodetic Vertical Datum of 1929 (Soil Conservation Service bench mark).

REMARKS.--Records poor. Flow affected by pumpage into and out of canal upstream and downstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83 ft³/s (2.35 m³/s) Sept. 27, 1979, gage height, 7.51 ft (2.289 m); minimum discharge, 0.62 ft³/s (0.018 m³/s) Sept. 12, 1979; minimum gage height, 3.93 ft (1.198 m) Mar. 13, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period March to September, 83 ft³/s (2.35 m³/s) Sept. 27, gage height, 7.51 ft (2.289 m); minimum, 0.62 ft³/s (0.018 m³/s) Sept. 12, gage height, 4.18 ft (1.274 m).

DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	34	12	25	35	2.5	3.1
2						---	34	31	11	36	22	16
3						---	33	41	38	35	22	15
4						---	22	37	38	33	22	16
5						---	11	32	38	34	22	15
6						---	33	32	37	33	21	14
7						---	33	14	37	32	17	15
8						---	33	29	35	35	6.3	8.5
9						---	21	26	35	32	20	5.4
10						---	9.2	50	35	31	17	14
11						---	32	44	35	31	15	7.4
12						---	33	46	28	31	18	1.1
13						---	33	42	38	31	16	5.8
14						---	19	18	36	30	14	15
15						---	7.6	19	37	31	3.8	16
16						---	31	47	39	30	15	16
17						---	33	45	38	30	15	16
18						---	32	40	39	29	13	16
19						---	38	37	38	30	15	16
20						---	32	40	33	16	14	16
21						---	10	14	39	26	14	17
22						---	35	42	32	28	14	17
23						---	37	41	35	21	14	17
24						---	36	42	40	26	14	17
25						---	35	43	40	26	14	19
26						---	12	40	37	27	11	39
27						---	35	40	32	26	13	45
28						---	33	18	40	25	15	68
29						---	38	37	35	25	15	47
30						---	30	33	41	33	24	38
31						---	10	---	38	---	9.8	---
TOTAL						---	857.8	1078	1053	897	458.4	571.3
MEAN						---	28.6	34.8	35.1	28.9	14.8	19.0
MAX						---	38	50	40	36	22	68
MIN						---	7.6	12	11	16	2.5	1.1
CFSM						---	1.00	1.22	1.23	1.01	.52	.66
IN.						---	1.12	1.40	1.37	1.17	.60	.74
AC-FT						---	1700	2140	2090	1780	909	1130

WITHLACOCHEE RIVER BASIN

02312640 JUMPER CREEK CANAL NEAR BUSHNELL, FL

LOCATION.--Lat 28°41'45", long 82°06'34", in NE¼ sec.4, T.21 S., R.22 E., Sumter County, Hydrologic Unit 03100208, near center of span on downstream side of bridge on State Highway 475, 2.2 mi (3.5 km) north of Bushnell, and 10 mi (16 km) upstream from mouth.

DRAINAGE AREA.--40 mi² (100 km²), approximately.

PERIOD OF RECORD.--September 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--16 years, 26.6 ft³/s (0.753 m³/s), 9.03 in/yr (229 mm/yr), 19,270 acre-ft/yr (23.8 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 227 ft³/s (6.43 m³/s) Feb. 3, 1970, gage height, 6.06 ft (1.847 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) July 15, Oct. 20, 1978; minimum gage height, 1.50 ft (0.457 m) May 7, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 95 ft³/s (2.69 m³/s) Sept. 28, gage height, 4.96 ft (1.511 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 20; minimum gage height, 1.72 ft (0.524 m) Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	37	30	26	41	12	40	17	38	31	6.4	5.4
2	13	38	29	28	41	33	42	31	16	31	18	24
3	13	36	27	27	41	35	41	40	33	30	28	24
4	19	37	27	27	41	35	36	38	40	29	32	26
5	19	37	29	26	39	34	14	34	38	30	34	25
6	17	36	27	26	34	25	37	38	39	28	30	23
7	18	34	27	26	17	44	40	17	39	29	31	23
8	15	18	26	28	39	24	39	49	38	31	12	21
9	15	26	27	6.0	32	43	33	39	37	31	28	8.2
10	14	33	26	18	20	38	11	51	34	31	28	21
11	13	32	28	25	38	42	36	51	36	30	24	19
12	15	29	27	30	33	16	38	51	34	31	26	5.4
13	21	32	27	30	16	39	36	47	32	31	26	12
14	23	33	27	27	31	43	30	42	35	30	26	22
15	22	33	27	28	38	19	11	23	35	30	8.9	27
16	17	34	26	26	17	39	28	49	34	30	23	26
17	17	34	26	27	38	42	36	47	35	31	25	27
18	15	33	25	27	36	43	34	47	34	30	24	26
19	17	34	26	25	23	35	37	42	33	30	25	26
20	5.5	33	26	26	22	21	37	47	30	28	26	26
21	8.7	33	27	28	33	42	14	24	32	22	24	27
22	19	15	27	27	36	41	36	42	32	29	24	28
23	19	28	26	27	17	18	38	44	28	29	25	28
24	18	32	28	29	30	39	39	48	33	24	24	29
25	18	28	28	33	28	44	44	49	32	29	24	30
26	16	16	26	34	41	37	19	45	31	30	23	57
27	13	19	25	29	39	12	35	44	29	29	21	66
28	19	28	28	34	33	38	38	32	32	28	25	90
29	36	16	28	35	---	43	39	36	31	29	24	79
30	37	18	28	36	---	41	39	44	29	28	24	72
31	37	---	27	36	---	17	---	43	---	27	22	---
TOTAL	567.2	892	838	857.0	894	1034	997	1251	999	906	741.3	923.0
MEAN	18.3	29.7	27.0	27.6	31.9	33.4	33.2	40.4	33.3	29.2	23.9	30.8
MAX	37	38	30	36	41	44	44	51	40	31	34	90
MIN	5.5	15	25	6.0	16	12	11	17	16	22	6.4	5.4
CFSM	.46	.74	.68	.69	.80	.84	.83	1.01	.83	.73	.60	.77
IN.	.53	.83	.78	.80	.83	.96	.93	1.16	.93	.84	.69	.86
AC-FT	1130	1770	1660	1700	1770	2050	1980	2480	1980	1800	1470	1830
CAL YR 1978	TOTAL	9028.0	MEAN	24.7	MAX	48	MIN	5.5	CFSM	.62	IN	8.40
WTR YR 1979	TOTAL	10899.5	MEAN	29.9	MAX	90	MIN	5.4	CFSM	.75	IN	10.14
									AC-FT	17910		21620

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHIE RIVER BASIN

02312645 JUMPER CREEK CANAL NEAR WAHOO, FL

LOCATION.--Lat 28°42'15", long 80°09'26", in SE¼ sec.36, T.20 S., R.21 E., Sumter County, Hydrologic Unit 03100208, on right bank 15 ft (4.572 m) downstream from Bevilles Bridge, 2.5 mi (4.0 km) northeast of Wahoo, 3.9 mi (6.3 km) northwest of Bushnell, and 5.7 mi (9.2 km) upstream from mouth.

DRAINAGE AREA.--50.6 mi² (131.1 km²).

PERIOD OF RECORD.--March to September 1979.

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

REMARKS.--Records fair except those for period of no gage-height record, May 18 to July 11, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period March to September, 265 ft³/s (7.50 m³/s) May 8, gage height, 48.30 ft (14.722 m); minimum, 10 ft³/s (0.28 m³/s) Sept. 12, gage height, 46.20 ft (14.082 m).

DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	30	34	40	36	18	15
2						---	40	30	13	36	13	18
3						---	41	36	28	34	26	25
4						---	40	40	47	32	29	28
5						---	24	38	43	34	34	28
6						---	27	36	44	31	36	26
7						---	37	29	44	32	35	24
8						---	35	148	44	37	27	28
9						---	38	155	41	39	21	28
10						---	20	92	34	33	28	23
11						---	24	84	39	30	27	14
12						---	36	97	37	29	27	11
13						---	36	77	31	29	31	14
14						---	35	72	37	31	30	18
15						---	18	58	39	30	21	24
16						---	19	48	36	29	19	35
17						---	34	52	38	30	23	31
18						---	34	58	36	31	24	29
19						---	35	45	35	33	24	28
20						---	36	58	28	33	25	27
21						---	25	11	35	24	24	28
22						---	27	44	35	26	23	33
23						---	36	50	24	27	25	33
24						---	40	61	37	31	25	36
25						---	52	63	35	27	26	36
26						---	48	54	34	28	24	98
27						---	33	53	29	28	24	122
28						---	40	25	35	28	24	118
29						---	39	33	35	27	24	124
30						43	41	54	30	27	24	125
31						30	---	52	---	27	24	---
TOTAL						---	1020	1787	1063	949	785	1227
MEAN						---	34.0	57.6	35.4	30.6	25.3	40.9
MAX						---	52	155	47	39	36	125
MIN						---	18	11	13	24	13	11
CFSM						---	.67	1.14	.70	.61	.50	.81
IN.						---	.75	1.31	.78	.70	.58	.90
AC-FT						---	2020	3540	2110	1880	1560	2430

WITHLACOOCHEE RIVER BASIN

02312690 CHITTY CHATTY CREEK NEAR WILDWOOD, FL

LOCATION.--Lat 28°48'33", long 81°58'59", in NW¼ sec.26, T.19 S., R.23 E., Sumter County, Hydrologic Unit 03100208, near center of span on downstream side of box culverts on county road 468, 2.0 mi (3.2 km) upstream from Lake Okahumpka, and 5.0 mi (8.0 km) southeast of Wildwood.

DRAINAGE AREA.--38 mi² (98 km²), approximately (revised).

PERIOD OF RECORD.--July 1959 to March 1960 (discharge measurements only), September 1963 to July 1966, December 1978 to September 1979. Prior to December 1978 records not equivalent because of channelization.

GAGE.--Water-stage recorder. Datum of gage is 52.70 ft (16.063 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 15, 1978, at datum 3.30 ft (1.006 m) higher.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 180 ft³/s (5.10 m³/s) Sept. 27, 1979, gage height, 7.46 ft (2.274 m); no flow for many days each year; minimum gage height, 4.06 ft (1.238 m) Dec. 23, 24, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1960 reached a stage of 6.55 ft (1.996 m) datum then in use, from floodmarks, discharge, 260 ft³/s (7.36 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period December to September, 180 ft³/s (5.10 m³/s) Sept. 27, gage height, 7.46 ft (2.274 m); no flow Dec. 15 to Jan. 14; minimum gage height, 4.06 ft (1.238 m) Dec. 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, DECEMBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	.00	11	10	3.3	1.9	8.6	15	.16	11
2			---	.00	8.9	8.6	3.2	2.5	5.2	8.8	.15	8.9
3			---	.00	7.6	7.5	3.1	2.0	3.8	5.7	.13	6.4
4			---	.00	6.6	6.5	2.9	1.7	3.0	10	.11	19
5			---	.00	6.1	6.3	2.8	1.6	2.4	10	.21	21
6			---	.00	5.6	8.3	2.7	1.5	2.0	5.8	.26	16
7			---	.00	8.0	9.8	2.3	2.4	1.7	3.5	.52	13
8			---	.00	8.5	11	2.0	71	1.4	6.6	.92	11
9			---	.00	7.1	11	1.8	131	1.2	29	.89	9.8
10			---	.00	5.8	11	1.8	99	.96	43	1.0	8.5
11			---	.00	4.7	10	1.9	70	.75	32	1.1	7.1
12			---	.00	4.1	10	1.8	78	.67	22	1.7	8.7
13			---	.00	3.7	9.8	1.6	61	.60	15	2.3	16
14			---	.00	3.6	9.8	1.5	49	.48	12	2.1	19
15			.00	.04	3.5	9.8	1.4	44	.39	13	1.9	41
16			.00	2.3	3.4	9.5	1.1	34	.31	8.9	2.0	55
17			.00	4.1	3.4	9.2	.87	26	.26	10	1.7	43
18			.00	4.4	3.3	8.6	.65	20	.23	15	1.4	31
19			.00	3.9	3.3	8.0	.45	17	.18	10	1.2	24
20			.00	3.6	3.1	7.4	.30	13	.15	6.5	1.0	21
21			.00	9.6	3.0	6.8	.23	11	.16	3.8	.83	23
22			.00	11	3.0	6.0	.20	9.5	.57	2.6	.75	42
23			.00	11	3.6	6.7	.18	8.5	1.9	2.1	1.4	48
24			.00	25	8.6	8.8	.28	19	1.0	1.6	4.2	50
25			.00	29	16	7.4	2.3	40	.67	1.3	4.0	48
26			.00	26	18	5.8	5.7	34	.59	1.1	4.6	104
27			.00	22	15	4.8	3.4	23	1.0	.88	6.9	171
28			.00	19	12	4.3	2.3	17	2.1	.66	3.3	126
29			.00	16	---	3.9	1.7	12	2.8	.45	2.8	86
30			.00	13	---	3.7	1.5	11	18	.30	2.8	69
31			.00	12	---	3.5	---	12	---	.22	7.4	---
TOTAL	---	---	---	211.94	190.5	243.8	55.26	923.6	63.07	296.81	59.73	1157.4
MEAN	---	---	---	6.84	6.80	7.86	1.84	29.8	2.10	9.57	1.93	38.6
MAX	---	---	---	29	18	11	5.7	131	18	43	7.4	171
MIN	---	---	---	.00	3.0	3.5	.18	1.5	.15	.22	.11	6.4
CF5M	---	---	---	.18	.18	.21	.05	.78	.06	.25	.05	1.02
IN.	---	---	---	.21	.19	.24	.05	.90	.06	.29	.06	1.13
AC-FT	---	---	---	420	378	484	110	1830	125	589	118	2300

WITHLACOOCHIEE RIVER BASIN

02312700 OUTLET RIVER AT PANACOOCHIEE RETREATS, FL

LOCATION.--Lat 28°49'01", long 82°08'40", in SE¼ sec.19, T.19 S., R.22 E., Sumter County, Hydrologic Unit 03100208, on west shore of Lake Panasoffkee, 0.8 mi (1.3 km) north of outlet, 1.3 mi (2.1 km) north of Panacoochiee Retreats, 2.0 mi (3.2 km) upstream from mouth, and 5.1 mi (8.2 km) northwest of town of Lake Panasoffkee.

DRAINAGE AREA.--420 mi² (1,090 km²), approximately.

PERIOD OF RECORD.--October 1962 to current year. Prior to October 1967, published as Panasoffkee River near Lake Panasoffkee.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Dec. 18, 1962, nonrecording gage and Dec. 18, 1962, to Oct. 7, 1975, water-stage recorder at sites within 0.8 mi (1.3 km) south at same datum.

REMARKS.--Records poor. Discharge measurements made at bridge on State Highway 470, about 1 mi (2 km) downstream from lake outlet. Flow partially controlled at times by backwater from Withlacoochie River. Prior to 1962, flow partially controlled by small rock dams and at times during 1962-64 by a temporary sheet piling dam about 400 ft (120 m) downstream from bridge on State Highway 470. Gage heights are published as elevations for Lake Panasoffkee (station 02312698) in the section of this report entitled LAKE ELEVATIONS.

AVERAGE DISCHARGE.--17 years, 190 ft³/s (5.381 m³/s), 6.14 in/yr (156 mm/yr), 137,700 acre-ft/yr (170 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 538 ft³/s (15.2 m³/s) Aug. 12, 13, 1965; maximum gage height, 42.49 ft (12.951 m) Feb. 9, 1970; no flow June 27 to July 15, 1963, temporary dam in place; minimum gage height, 38.29 ft (11.671 m) May 26, 1963, affected by wind.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 413 ft³/s (11.7 m³/s) May 15; maximum gage height, 41.01 ft (12.500 m) Sept. 30, occurred on rise preceding crest of Oct. 11, 1979; minimum daily discharge, 45 ft³/s (1.27 m³/s) Sept. 4; minimum gage height, 38.83 ft (11.835 m) Oct. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	94	102	94	122	80	118	179	326	187	113	75
2	99	94	109	90	120	77	116	186	318	185	118	65
3	96	91	109	91	119	77	114	186	309	179	117	47
4	95	89	109	92	117	73	111	185	301	175	112	45
5	93	91	109	92	114	70	108	184	293	171	109	60
6	90	92	108	93	114	85	108	185	286	167	112	66
7	90	91	108	93	113	98	107	195	284	165	116	73
8	90	91	105	92	111	101	104	307	280	170	114	79
9	91	89	102	87	105	102	100	368	277	189	114	78
10	89	91	96	87	106	100	105	382	271	190	112	75
11	88	91	94	86	105	96	114	391	263	185	112	75
12	88	91	91	108	102	95	115	401	259	178	115	78
13	91	91	92	121	101	95	118	401	253	173	122	76
14	91	91	90	118	100	92	120	409	251	168	125	86
15	89	91	90	118	97	90	122	413	244	162	123	116
16	91	91	89	116	96	89	122	411	238	157	118	118
17	92	91	87	115	94	87	123	408	234	165	114	112
18	91	91	86	112	89	83	123	405	228	166	107	103
19	89	89	83	112	87	83	125	403	224	166	101	94
20	94	89	83	114	84	87	126	398	218	166	97	89
21	95	89	82	113	80	93	127	394	213	163	93	85
22	95	89	83	113	79	99	129	386	207	158	93	84
23	94	85	81	116	78	112	127	380	207	156	98	87
24	95	85	82	138	76	112	132	378	198	151	95	91
25	92	83	81	148	82	114	156	374	198	149	94	95
26	94	86	80	149	78	119	160	367	192	143	91	128
27	94	88	78	146	81	123	164	359	187	137	88	171
28	94	91	90	137	82	126	167	352	195	131	90	191
29	94	92	92	135	---	124	170	344	191	126	87	220
30	92	98	98	131	---	123	173	339	189	120	84	246
31	94	---	96	127	---	120	---	334	---	116	80	---
TOTAL	2871	2705	2885	3484	2732	3025	3804	10404	7334	5014	3264	3008
MEAN	92.6	90.2	93.1	112	97.6	97.6	127	336	244	162	105	100
MAX	101	98	109	149	122	126	173	413	326	190	125	246
MIN	88	83	78	86	76	70	100	179	187	116	80	45
CFSM	.22	.22	.22	.27	.23	.23	.30	.80	.58	.39	.25	.24
IN.	.25	.24	.26	.31	.24	.27	.34	.92	.65	.44	.29	.27
AC-FT	5690	5370	5720	6910	5420	6000	7550	20640	14550	9950	6470	5970

CAL YR 1978 TOTAL 61173 MEAN 168 MAX 317 MIN 78 CFSM .40 IN 5.42 AC-FT 121300
WTR YR 1979 TOTAL 50530 MEAN 138 MAX 413 MIN 45 CFSM .33 IN 4.48 AC-FT 100200

WITHLACOOCHEE RIVER BASIN

02312719 WITHLACOOCHEE RIVER ABOVE WYSONG DAM, AT CARLSON, FL

LOCATION.--Lat 28°49'22", long 82°10'58", in NW¼ sec.23, T.19 S., R.21 E., Sumter County, Hydrologic Unit 03100208, near right bank at upstream end of lock of Wysong Dam at Carlson, 1.8 mi (2.9 km) downstream from Outlet River, 2.7 mi (4.3 km) southeast of Rutland, and 55 mi (88 km) upstream from mouth.

DRAINAGE AREA.--1,520 mi² (3,940 km²), approximately.

PERIOD OF RECORD.--April 1957 to November 1962 (about weekly), December 1962 to current year (gage heights only), March 1963 to July 1965 (discharge measurements and gage heights only). Records of gage heights prior to October 1962 are available in files of the Geological Survey. Prior to October 1967, published as "at Carlson's Landing, near Lake Panasoffkee (auxiliary)."

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). April 1957 to May 23, 1970, at site 200 ft (60 m) upstream at datum 34.2 ft (10.42 m) higher prior to Dec. 17, 1962, and at present datum thereafter.

REMARKS.--Since August 1965, stage affected by manipulation of inflatable fabri-dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.6 ft (13.29 m) in April 1960, from floodmark; minimum observed, about 35.2 ft (10.73 m) Apr. 14, May 5, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.42 ft (12.320 m) Sept. 30, occurred on rise preceding crest of Oct. 11, 1979; minimum, 37.41 ft (11.403 m) Oct. 4.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.50	38.50	38.68	38.78	38.96	39.20	38.60	38.98	39.05	39.08	38.98	38.36
2	37.47	38.56	38.66	38.78	39.04	39.16	38.57	38.92	39.01	38.98	39.06	38.40
3	37.45	38.55	38.71	38.78	39.12	39.15	38.55	38.92	38.96	38.88	39.05	38.40
4	37.41	38.54	38.69	38.80	39.14	39.20	38.51	38.88	38.88	38.92	39.01	38.50
5	37.70	38.55	38.64	38.80	39.15	39.23	38.48	38.94	38.80	38.93	39.16	38.56
6	38.06	38.57	38.61	38.84	39.22	39.38	38.46	38.92	39.13	38.96	39.14	39.19
7	38.24	38.59	38.60	38.84	39.23	39.44	38.44	38.97	39.53	38.96	39.16	39.46
8	38.30	38.57	38.68	38.76	39.15	39.37	38.38	39.66	39.37	38.99	39.16	39.44
9	38.41	38.54	38.72	38.76	39.25	39.31	38.77	39.53	39.33	39.00	39.14	39.42
10	38.37	38.59	38.69	38.82	39.16	39.28	39.17	39.48	39.31	38.92	39.19	39.46
11	38.36	38.60	38.63	38.88	39.20	39.27	39.13	39.49	39.28	38.97	39.26	39.48
12	38.40	38.59	38.58	38.92	39.26	39.37	39.15	39.50	39.24	38.89	39.21	39.48
13	38.50	38.56	38.62	38.90	39.23	39.25	39.12	39.51	39.36	38.86	39.21	39.50
14	38.53	38.61	38.66	38.99	39.22	39.42	39.06	39.62	39.21	38.83	39.28	39.54
15	38.50	38.55	38.68	38.98	39.19	39.36	39.06	39.65	39.14	38.82	39.18	39.58
16	38.61	38.61	38.70	38.96	39.24	39.30	39.04	39.63	39.10	38.85	39.24	38.89
17	38.63	38.60	38.66	38.86	39.17	39.34	39.04	39.59	39.07	38.94	39.16	38.85
18	38.58	38.56	38.57	38.91	39.14	39.38	38.98	39.55	39.08	38.91	39.16	38.86
19	38.63	38.62	38.54	38.89	39.22	39.43	38.98	39.50	39.09	39.06	39.08	38.84
20	38.51	38.60	38.64	38.93	39.18	39.40	38.94	39.44	39.19	39.03	39.13	38.86
21	38.56	38.57	38.60	38.93	39.14	39.37	38.94	39.40	39.03	38.93	39.23	38.90
22	38.55	38.54	38.68	38.93	39.07	39.42	38.94	39.36	39.00	39.05	39.24	38.92
23	38.52	38.57	38.68	38.89	39.10	39.45	38.89	39.31	38.92	39.05	39.23	39.02
24	38.59	38.58	38.60	39.12	39.05	39.40	38.91	39.33	38.95	39.02	39.30	39.14
25	38.58	38.54	38.56	39.16	39.15	39.38	38.99	39.30	38.95	39.06	39.25	39.20
26	38.61	38.68	38.62	39.05	39.24	39.37	39.09	39.28	38.86	39.04	39.35	39.53
27	38.67	38.61	38.64	38.92	39.23	39.27	38.99	39.24	39.06	39.05	39.38	39.87
28	38.58	38.56	38.66	38.96	39.18	38.80	39.13	39.20	39.06	39.08	39.38	40.00
29	38.56	38.64	38.70	39.02	---	38.70	39.07	39.16	39.03	38.99	39.30	40.28
30	38.52	38.54	38.68	38.97	---	38.68	39.03	39.12	39.02	39.08	38.98	40.42
31	38.56	---	38.67	39.00	---	38.64	---	39.08	---	39.00	38.35	---
MEAN	38.34	38.58	38.65	38.91	39.17	39.25	38.88	39.31	39.10	38.97	39.16	39.21
MAX	38.67	38.68	38.72	39.16	39.26	39.45	39.17	39.66	39.53	39.08	39.38	40.42
MIN	37.41	38.50	38.54	38.76	38.96	38.64	38.38	38.88	38.80	38.82	38.35	38.36
CAL YR 1978	MEAN 38.77		MAX 40.10	MIN 37.41								
WTR YR 1979	MEAN 38.96		MAX 40.42	MIN 37.41								

WITHLACOOCHIEE RIVER BASIN

02312720 WITHLACOOCHIEE RIVER AT WYSONG DAM, AT CARLSON, FL

LOCATION.--Lat 28°49'23", long 82°11'00", in NW¼ sec.23, T.19 S., R.21 E., Sumter County, Hydrologic Unit 03100208, at downstream end of left wall of lock of Wysong Dam, at Carlson, 1.8 mi (2.9 km) downstream from Outlet River, 2.7 mi (4.3 km) southeast of Rutland, and 55 mi (88 km) upstream from mouth.

DRAINAGE AREA.--1,520 mi² (3,940 km²), approximately.

PERIOD OF RECORD.--August 1965 to current year. April 1957 to July 1965, gage heights and discharge measurements at auxiliary gage site. Prior to October 1967, published as "at Carlson's Landing, near Lake Panasoffkee."

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Auxiliary nonrecording gage at upstream side of lock and dam.

REMARKS.--Records fair above 200 ft³/s (5.66 m³/s) and poor below. Since August 1965, some regulation at station by manipulation of inflatable fabri-dam. Some diversions above station at times into Tsala Apopka Lake.

AVERAGE DISCHARGE.--14 years, 652 ft³/s (18.46 m³/s), 472,400 acre-ft/yr (582 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,810 ft³/s (79.6 m³/s) Feb. 4, 1970; maximum gage height, 40.62 ft (12.381 m) July 25, 1974; minimum daily discharge, 85 ft³/s (2.41 m³/s) June 30, 1977; minimum gage height, 35.25 ft (10.738 m) Apr. 7, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,330 ft³/s (66.0 m³/s) Sept. 30, occurred on rise preceding crest of Oct. 11, 1979; maximum gage height, 40.37 ft (12.305 m) Sept. 30; minimum daily discharge, 141 ft³/s (3.99 m³/s) Oct. 26; minimum gage height, 36.50 ft (11.125 m) Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	168	206	216	422	419	805	440	926	394	444	805
2	377	168	223	223	430	425	796	458	922	405	478	814
3	374	165	234	226	405	412	774	426	904	412	500	823
4	363	168	244	226	391	394	760	405	890	380	486	877
5	321	162	258	223	394	412	742	374	864	380	461	778
6	265	165	258	223	380	489	724	380	760	346	482	742
7	244	162	248	226	398	554	706	394	626	342	510	710
8	226	177	220	240	398	590	684	854	666	346	534	733
9	209	162	209	230	405	610	586	1080	654	388	566	742
10	206	165	212	192	419	610	506	1090	630	422	522	715
11	195	162	212	192	398	614	496	1100	630	419	518	715
12	189	171	216	304	394	610	475	1100	582	436	554	724
13	189	174	202	324	391	618	458	1110	558	440	586	720
14	195	165	192	338	394	622	461	1170	574	444	578	751
15	189	168	192	324	402	642	444	1170	558	426	586	926
16	156	162	189	346	391	654	426	1160	542	416	558	1040
17	162	159	171	338	391	658	408	1130	526	433	558	1050
18	168	159	177	321	370	662	398	1110	500	450	542	1060
19	171	153	202	300	352	666	388	1080	472	472	538	1070
20	198	171	189	314	346	697	370	1050	440	468	526	1080
21	183	168	186	318	360	720	356	1020	461	464	489	1100
22	186	177	186	332	360	706	349	1000	468	433	478	1140
23	174	162	198	318	363	738	346	990	489	436	514	1190
24	162	174	223	388	377	764	363	1000	461	440	530	1270
25	162	162	209	408	412	769	447	1020	461	440	550	1320
26	141	147	192	440	398	769	458	995	447	433	550	1510
27	144	168	202	450	412	792	444	975	422	422	526	1730
28	147	156	237	405	416	854	402	960	436	416	546	1850
29	162	153	254	412	---	841	416	945	416	426	582	2110
30	171	171	268	412	---	828	408	940	405	408	658	2330
31	174	---	226	433	---	818	---	936	---	436	787	---
TOTAL	6591	4944	6635	9642	10969	19958	15396	27862	17690	12973	16737	32425
MEAN	213	165	214	311	392	644	513	899	590	418	540	1081
MAX	388	177	268	450	430	854	805	1170	926	472	787	2330
MIN	141	147	171	192	346	394	346	374	405	342	444	710
AC-FT	13070	9810	13160	19120	21760	39590	30540	55260	35090	25730	33200	64310
CAL YR 1978	TOTAL	235833	MEAN	646	MAX	1830	MIN	141	AC-FT	467800		
WTR YR 1979	TOTAL	181822	MEAN	498	MAX	2330	MIN	141	AC-FT	360600		

WITHLACOOCHIEE RIVER BASIN

02312720 WITHLACOOCHIEE RIVER AT WYSONG DAM, AT CARLSON, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.45	36.74	36.84	36.93	37.55	37.54	38.54	37.79	38.97	37.18	37.21	38.26
2	37.42	36.74	36.90	36.95	37.57	37.56	38.52	37.85	38.94	37.20	37.32	38.28
3	37.40	36.73	36.93	36.96	37.50	37.52	38.48	37.77	38.88	37.21	37.38	38.31
4	37.37	36.73	36.96	36.96	37.46	37.47	38.45	37.72	38.83	37.11	37.35	38.43
5	37.24	36.71	37.00	36.95	37.47	37.52	38.42	37.64	38.75	37.10	37.28	38.22
6	37.07	36.72	37.00	36.95	37.43	37.74	38.38	37.67	38.50	36.99	37.35	38.14
7	37.01	36.71	36.97	36.97	37.48	37.91	38.35	37.72	38.17	36.96	37.43	38.08
8	36.95	36.76	36.89	37.01	37.48	38.00	38.30	38.87	38.25	36.95	37.50	38.13
9	36.90	36.71	36.87	36.98	37.50	38.05	38.07	39.35	38.20	37.05	37.58	38.16
10	36.88	36.72	36.88	36.87	37.54	38.05	37.87	39.37	38.12	37.15	37.48	38.10
11	36.85	36.71	36.88	36.87	37.48	38.06	37.85	39.39	38.10	37.14	37.47	38.10
12	36.83	36.73	36.89	37.19	37.47	38.05	37.79	39.41	37.96	37.19	37.57	38.12
13	36.83	36.74	36.85	37.26	37.46	38.07	37.75	39.43	37.88	37.20	37.65	38.11
14	36.85	36.71	36.83	37.30	37.47	38.08	37.76	39.54	37.90	37.21	37.64	38.18
15	36.83	36.72	36.83	37.26	37.49	38.13	37.72	39.55	37.84	37.16	37.66	38.55
16	36.72	36.70	36.82	37.32	37.46	38.16	37.67	39.54	37.78	37.13	37.60	38.76
17	36.74	36.69	36.86	37.30	37.46	38.17	37.63	39.50	37.72	37.18	37.60	38.76
18	36.76	36.69	36.88	37.25	37.40	38.18	37.60	39.46	37.63	37.23	37.57	38.75
19	36.76	36.67	36.86	37.20	37.35	38.19	37.58	39.41	37.53	37.29	37.56	38.75
20	36.85	36.72	36.83	37.24	37.33	38.26	37.53	39.37	37.42	37.28	37.54	38.75
21	36.80	36.71	36.82	37.25	37.37	38.31	37.50	39.32	37.47	37.27	37.44	38.76
22	36.81	36.74	36.82	37.29	37.37	38.28	37.48	39.28	37.46	37.16	37.42	38.82
23	36.77	36.69	36.86	37.25	37.38	38.25	37.48	39.24	37.53	37.19	37.52	38.89
24	36.73	36.73	36.93	37.45	37.42	38.41	37.53	39.25	37.44	37.20	37.57	39.00
25	36.73	36.69	36.89	37.51	37.52	38.42	37.78	39.27	37.43	37.20	37.62	39.09
26	36.66	36.65	36.85	37.60	37.48	38.43	37.81	39.21	37.38	37.16	37.63	39.38
27	36.66	36.72	36.88	37.63	37.52	38.48	37.78	39.16	37.30	37.15	37.57	39.70
28	36.67	36.68	36.98	37.50	37.53	38.63	37.66	39.12	37.33	37.13	37.63	39.85
29	36.72	36.67	37.03	37.52	---	38.60	37.71	39.07	37.26	37.16	37.72	40.14
30	36.75	36.73	37.07	37.52	---	38.58	37.69	39.04	37.22	37.11	37.92	40.34
31	36.76	---	36.95	37.58	---	38.56	---	39.01	---	37.19	38.21	---
MEAN	36.90	36.71	36.90	37.22	37.46	38.12	37.89	38.95	37.91	37.16	37.55	38.70
MAX	37.45	36.76	37.07	37.63	37.57	38.63	38.54	39.55	38.97	37.29	38.21	40.34
MIN	36.66	36.65	36.82	36.87	37.33	37.47	37.48	37.64	37.22	36.95	37.21	38.08
CAL YR 1978	MEAN 38.07		MAX 39.97	MIN 36.65								
WTR YR 1979	MEAN 37.62		MAX 40.34	MIN 36.65								

WITHLACOOCHEE RIVER BASIN

02312975 TSALA APOPKA OUTFALL CANAL AT S-353, NEAR HERNANDO, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.59	37.17	36.88	36.86	37.13	37.09	36.91	37.21	37.63	37.77	37.58	37.90
2	37.58	37.15	36.91	36.92	37.12	37.08	36.92	37.18	37.65	37.74	37.64	37.89
3	37.57	37.13	36.91	36.87	37.12	37.07	36.92	37.18	37.68	37.72	37.67	37.81
4	37.55	37.12	36.92	36.85	37.12	37.08	36.92	37.18	37.70	37.70	37.64	37.65
5	37.54	37.11	36.95	36.85	37.10	37.08	36.92	37.16	37.71	37.68	37.64	37.97
6	37.53	37.10	36.94	36.85	37.11	37.12	36.91	37.23	37.71	37.67	37.65	37.97
7	37.50	37.09	36.93	36.87	37.16	37.15	36.91	37.27	37.72	37.68	37.67	37.98
8	37.47	37.08	36.92	36.88	37.12	37.16	36.93	37.42	37.74	37.66	37.73	37.99
9	37.45	37.07	36.94	36.85	37.10	37.14	36.97	37.48	37.75	37.70	37.72	37.98
10	37.44	37.06	36.88	36.83	37.08	37.14	36.96	37.51	37.76	37.76	37.70	37.98
11	37.42	37.04	36.86	36.83	37.07	37.13	36.95	37.51	37.78	37.74	37.68	37.99
12	37.42	37.02	36.85	36.97	37.07	37.11	36.96	37.50	37.94	37.73	37.81	38.03
13	37.43	37.01	36.84	37.07	37.06	37.11	36.98	37.57	37.96	37.71	37.86	38.07
14	37.42	37.00	36.83	37.05	37.05	37.11	37.03	37.65	37.95	37.69	37.86	38.10
15	37.38	36.98	36.83	37.00	37.05	37.07	37.02	37.65	37.96	37.68	37.85	38.24
16	37.37	36.97	36.83	37.00	37.05	37.04	37.02	37.64	37.98	37.66	37.82	38.31
17	37.35	36.97	36.81	37.01	37.01	37.02	37.03	37.61	37.98	37.70	37.79	38.35
18	37.33	36.96	36.80	37.02	37.00	37.02	37.03	37.59	37.97	37.78	37.76	38.36
19	37.32	36.94	36.79	37.01	36.96	37.02	37.04	37.59	37.95	37.79	37.75	38.38
20	37.32	36.92	36.79	37.03	36.97	37.01	37.03	37.58	37.93	37.79	37.74	38.39
21	37.30	36.90	36.81	37.15	36.97	37.00	37.04	37.57	37.90	37.76	37.72	38.41
22	37.28	36.88	36.78	37.06	36.97	36.97	37.03	37.55	37.87	37.75	37.70	38.49
23	37.26	36.87	36.77	37.06	37.02	36.99	37.01	37.54	37.85	37.74	37.72	38.58
24	37.25	36.87	36.83	37.23	37.06	37.02	37.03	37.54	37.84	37.72	37.80	38.45
25	37.24	36.85	36.81	37.16	37.18	36.98	37.17	37.53	37.81	37.70	37.88	38.21
26	37.23	36.84	36.80	37.15	37.14	36.93	37.22	37.51	37.77	37.68	37.87	38.26
27	37.22	36.84	36.77	37.17	37.10	36.92	37.21	37.51	37.77	37.66	37.86	38.20
28	37.22	36.83	36.84	37.17	37.10	36.91	37.17	37.52	37.75	37.64	37.85	38.15
29	37.21	36.82	36.83	37.15	---	36.90	37.16	37.53	37.75	37.62	37.85	38.15
30	37.19	36.83	36.85	37.14	---	36.91	37.20	37.54	37.78	37.60	37.86	38.17
31	37.18	---	36.85	37.15	---	36.92	---	37.62	---	37.60	37.90	---
MEAN	37.37	36.98	36.85	37.01	37.07	37.04	37.02	37.47	37.82	37.70	37.76	38.15
MAX	37.59	37.17	36.95	37.23	37.18	37.16	37.22	37.65	37.98	37.79	37.90	38.58
MIN	37.18	36.82	36.77	36.83	36.96	36.90	36.91	37.16	37.63	37.60	37.58	37.65
CAL YR 1978	MEAN 37.78		MAX 38.80	MIN 36.77								
WTR YR 1979	MEAN 37.35		MAX 38.58	MIN 36.77								

WITHLACOOCHEE RIVER BASIN

02312976 TSALA APOPKA OUTFALL CANAL BELOW S-353, NEAR HERNANDO, FL

LOCATION.--Lat 28°57'19", long 82°20'13", in NE¼ sec.6, T.18 S., R.20 E., Citrus County, Hydrologic Unit 03100208, on left bank at control structure 353, on graded road 2.3 mi (3.7 km) northeast of Hernando, and 2.8 mi (4.5 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1968 to current year (gage heights only).

GAGE.--Dual water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 36.35 ft (11.080 m) Sept. 30, 1979; minimum, 27.75 ft (8.458 m) Nov. 13, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 36.35 ft (11.080 m) Sept. 30, occurred on rise preceding crest of Oct. 14, 1979; minimum, 28.49 ft (8.684 m) Nov. 27.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.78	28.75	28.74	28.82	29.71	29.75	31.01	29.69	31.55	29.71	29.80	30.83
2	29.73	28.69	28.82	28.87	29.70	29.74	30.98	29.68	31.47	29.68	29.86	31.04
3	29.65	28.64	28.78	28.87	29.69	29.72	30.93	29.70	31.39	29.67	29.90	31.26
4	29.58	28.63	28.77	28.80	29.68	29.74	30.87	29.69	31.30	29.68	29.93	31.61
5	29.53	28.63	28.86	28.77	29.65	29.74	30.82	29.65	31.22	29.69	29.98	31.59
6	29.47	28.65	28.86	28.76	29.62	30.02	30.76	29.67	31.14	29.64	30.06	31.67
7	29.33	28.68	28.82	28.76	29.69	30.27	30.67	29.73	31.06	29.60	30.04	31.61
8	29.23	28.72	28.80	28.87	29.67	30.33	30.57	30.26	30.90	29.55	30.10	31.49
9	29.16	28.73	28.77	28.87	29.67	30.36	30.49	30.82	30.74	29.56	30.19	31.38
10	29.12	28.71	28.70	28.86	29.62	30.40	30.40	31.43	30.60	29.70	30.27	31.30
11	29.08	28.67	28.67	28.82	29.63	30.47	30.26	31.92	30.50	29.70	30.22	31.27
12	29.06	28.64	28.68	29.12	29.63	30.48	30.10	32.20	30.62	29.71	30.30	31.24
13	29.07	28.63	28.67	29.47	29.62	30.48	29.96	32.34	30.58	29.76	30.37	31.31
14	29.07	28.64	28.66	29.41	29.61	30.50	29.87	32.43	30.45	29.85	30.36	31.33
15	29.04	28.63	28.64	29.26	29.62	30.51	29.83	32.52	30.36	29.84	30.32	31.50
16	28.97	28.64	28.63	29.18	29.64	30.50	29.72	32.57	30.30	29.80	30.28	31.83
17	28.89	28.64	28.63	29.20	29.64	30.52	29.63	32.55	30.25	29.86	30.25	32.14
18	28.85	28.63	28.62	29.22	29.65	30.56	29.55	32.52	30.19	29.93	30.22	32.33
19	28.83	28.62	28.65	29.18	29.63	30.57	29.50	32.44	30.13	30.00	30.20	32.45
20	28.83	28.59	28.65	29.17	29.58	30.58	29.45	32.37	30.03	30.04	30.20	32.52
21	28.84	28.57	28.67	29.42	29.60	30.59	29.40	32.28	29.93	30.00	30.19	32.56
22	28.86	28.56	28.67	29.33	29.59	30.60	29.37	32.18	29.89	29.96	30.15	32.69
23	28.87	28.56	28.62	29.28	29.64	30.63	29.33	32.08	29.89	29.95	30.18	32.95
24	28.86	28.56	28.64	29.82	29.71	30.72	29.35	32.00	29.86	29.94	30.27	33.42
25	28.84	28.56	28.73	29.82	30.00	30.74	29.67	31.96	29.85	29.90	30.48	33.92
26	28.82	28.53	28.70	29.76	29.98	30.73	29.82	31.92	29.82	29.87	30.43	34.47
27	28.80	28.52	28.65	29.78	29.83	30.74	29.77	31.84	29.85	29.83	30.40	35.14
28	28.81	28.53	28.80	29.83	29.76	30.75	29.69	31.76	29.84	29.80	30.38	35.43
29	28.84	28.53	28.85	29.77	---	30.83	29.61	31.69	29.78	29.77	30.35	35.69
30	28.82	28.54	28.83	29.71	---	30.93	29.62	31.63	29.74	29.76	30.38	36.14
31	28.78	---	28.82	29.73	---	30.98	---	31.61	---	29.78	30.58	---
MEAN	29.08	28.62	28.72	29.24	29.68	30.43	30.05	31.46	30.44	29.79	30.21	32.47
MAX	29.78	28.75	28.86	29.83	30.00	30.98	31.01	32.57	31.55	30.04	30.58	36.14
MIN	28.78	28.52	28.62	28.76	29.58	29.72	29.33	29.65	29.74	29.55	29.80	30.83
CAL YR 1978	MEAN 30.67		MAX 34.82		MIN 28.52							
WTR YR 1979	MEAN 30.01		MAX 36.14		MIN 28.52							

WITHLACOOCHIEE RIVER BASIN

02313000 WITHLACOOCHIEE RIVER NEAR HOLDER, FL

LOCATION.--Lat 28°59'19", long 82°20'59", in NW¼ sec.30, T.17 S., R.20 E., Marion County, Hydrologic Unit 03100208, near right bank on downstream side of bridge on State Highway 200, 4.5 mi (7.2 km) northeast of Holder, and 38 mi (61 km) upstream from mouth.

DRAINAGE AREA.--1,825 mi² (4,730 km²), approximately.

PERIOD OF RECORD.--August 1928 to February 1929, August 1931 to current year.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 27.52 ft (8.388 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 14, 1928, to Feb. 15, 1929, nonrecording gage at present site at datum 2.00 ft (0.610 m) higher. Aug. 29, 1931, to May 19, 1961, water-stage recorder at site 100 ft (30 m) downstream at present datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--48 years (water years 1932-79), 1,095 ft³/s (31.01 m³/s), 8.15 in/yr (207 mm/yr), 793,300 acre-ft/yr (978 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft³/s (245 m³/s) Apr. 5, 1960, gage height, 13.28 ft (4.048 m); minimum, 112 ft³/s (3.17 m³/s) June 18, 1956; minimum gage height, -0.41 ft (-0.125 m) June 19, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,500 ft³/s (99.1 m³/s) Sept. 30, stage rising, peak occurred Oct. 13, 1979; maximum peak discharge, 1,420 ft³/s (40.2 m³/s) May 16, gage height, 5.17 ft (1.576 m); minimum discharge, 288 ft³/s (8.16 m³/s) Nov. 27, gage height, 1.06 ft (0.323 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	353	364	402	627	601	977	540	1070	507	503	865
2	624	335	396	411	621	599	970	537	1050	495	528	928
3	603	317	388	415	622	598	953	541	1020	493	540	988
4	582	314	384	387	616	600	935	535	996	493	549	1090
5	570	316	408	379	606	598	914	523	971	493	567	1100
6	551	327	413	375	595	672	897	527	945	479	590	1120
7	511	339	400	377	615	754	868	546	920	463	591	1100
8	482	350	395	402	613	777	835	702	872	444	604	1060
9	462	355	384	403	603	786	814	869	820	440	638	1030
10	450	348	358	400	589	800	785	1060	778	488	660	1010
11	440	334	341	390	588	818	743	1200	748	484	647	1000
12	436	325	350	472	588	823	692	1280	782	484	678	990
13	440	323	350	583	580	825	646	1320	767	501	695	1020
14	439	326	350	559	578	830	620	1350	731	524	696	1030
15	427	324	341	510	578	832	598	1380	700	518	682	1090
16	411	325	341	490	585	828	565	1400	683	507	674	1200
17	389	325	339	492	584	835	535	1390	671	527	666	1310
18	372	329	337	500	585	844	517	1370	653	542	661	1390
19	368	320	349	488	575	851	499	1340	630	565	655	1460
20	366	312	354	486	562	853	483	1320	606	577	659	1510
21	377	302	360	553	567	855	471	1290	576	564	655	1540
22	383	299	356	525	565	862	461	1260	567	550	645	1610
23	384	297	337	501	575	875	449	1230	563	550	653	1740
24	386	308	351	591	594	894	456	1210	559	543	681	1910
25	379	302	380	671	684	899	554	1200	553	531	746	2100
26	381	296	371	653	678	896	590	1180	545	520	733	2360
27	371	292	352	657	627	899	572	1160	552	511	723	2700
28	369	293	395	668	605	907	549	1140	550	501	722	2890
29	385	298	415	648	---	928	521	1120	532	493	715	3060
30	369	303	406	631	---	959	521	1100	516	492	728	3370
31	363	---	404	631	---	977	---	1090	---	499	788	---
TOTAL	13706	9587	11469	15650	16805	25075	19990	32710	21926	15778	20272	45571
MEAN	442	320	370	505	600	809	666	1055	731	509	654	1519
MAX	636	355	415	671	684	977	977	1400	1070	577	788	3370
MIN	363	292	337	375	562	598	449	523	516	440	503	865
CFSM	.24	.18	.20	.28	.33	.44	.37	.58	.40	.28	.36	.83
IN.	.28	.20	.23	.32	.34	.51	.41	.67	.45	.32	.41	.93
AC-FT	27190	19020	22750	31040	33330	49740	39650	64880	43490	31300	40210	90390
CAL YR 1978	TOTAL	299932	MEAN 822	MAX 2140	MIN 292	CFSM .45	IN 6.11	AC-FT 594900				
WTR YR 1979	TOTAL	248539	MEAN 681	MAX 3370	MIN 292	CFSM .37	IN 5.07	AC-FT 493000				

02313000 WITHLACOOCHEE RIVER NEAR HOLDER, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	1.28	1.26	1.36	2.26	2.30	3.57	2.24	4.12	2.32	2.35	3.39
2	2.28	1.23	1.36	1.40	2.25	2.30	3.54	2.23	4.04	2.28	2.42	3.60
3	2.20	1.18	1.33	1.41	2.25	2.29	3.50	2.24	3.95	2.28	2.46	3.79
4	2.13	1.17	1.32	1.33	2.24	2.30	3.44	2.23	3.87	2.28	2.48	4.13
5	2.08	1.18	1.40	1.31	2.21	2.29	3.38	2.19	3.79	2.28	2.54	4.16
6	2.02	1.20	1.41	1.31	2.18	2.54	3.32	2.22	3.71	2.24	2.61	4.25
7	1.88	1.23	1.36	1.31	2.25	2.81	3.22	2.28	3.63	2.19	2.61	4.18
8	1.78	1.27	1.35	1.40	2.24	2.89	3.12	2.81	3.47	2.13	2.64	4.05
9	1.71	1.28	1.31	1.40	2.22	2.92	3.05	3.37	3.30	2.12	2.76	3.94
10	1.67	1.26	1.24	1.40	2.17	2.97	2.97	3.99	3.16	2.28	2.82	3.88
11	1.63	1.22	1.19	1.37	2.18	3.03	2.83	4.49	3.06	2.27	2.78	3.84
12	1.61	1.18	1.21	1.65	2.18	3.04	2.67	4.76	3.19	2.27	2.87	3.80
13	1.62	1.18	1.20	2.02	2.16	3.05	2.61	4.91	3.14	2.33	2.93	3.86
14	1.61	1.19	1.20	1.95	2.16	3.07	2.43	5.01	3.02	2.42	2.92	3.89
15	1.57	1.18	1.18	1.79	2.17	3.07	2.36	5.09	2.91	2.40	2.87	4.06
16	1.51	1.18	1.18	1.73	2.19	3.06	2.25	5.13	2.86	2.36	2.84	4.39
17	1.44	1.18	1.17	1.74	2.20	3.08	2.16	5.11	2.83	2.43	2.81	4.71
18	1.38	1.19	1.16	1.77	2.20	3.11	2.10	5.06	2.77	2.49	2.78	4.89
19	1.37	1.16	1.19	1.74	2.18	3.14	2.05	4.99	2.70	2.56	2.76	5.02
20	1.36	1.13	1.21	1.73	2.13	3.14	2.00	4.91	2.62	2.60	2.77	5.09
21	1.38	1.11	1.22	1.96	2.16	3.15	1.96	4.82	2.52	2.57	2.75	5.13
22	1.40	1.10	1.21	1.87	2.15	3.17	1.94	4.73	2.49	2.52	2.71	5.26
23	1.40	1.09	1.16	1.80	2.20	3.22	1.89	4.63	2.49	2.52	2.74	5.53
24	1.40	1.11	1.19	2.10	2.26	3.28	1.93	4.56	2.47	2.50	2.82	5.90
25	1.38	1.10	1.27	2.37	2.57	3.30	2.26	4.52	2.45	2.47	3.04	6.32
26	1.37	1.08	1.25	2.31	2.55	3.29	2.38	4.47	2.44	2.43	2.98	6.82
27	1.35	1.07	1.19	2.34	2.39	3.30	2.33	4.39	2.46	2.39	2.95	7.44
28	1.34	1.07	1.32	2.38	2.32	3.32	2.25	4.32	2.45	2.36	2.94	7.74
29	1.39	1.09	1.39	2.32	---	3.39	2.16	4.25	2.39	2.32	2.91	8.00
30	1.34	1.09	1.36	2.26	---	3.49	2.17	4.19	2.35	2.32	2.95	8.44
31	1.31	---	1.37	2.27	---	3.56	---	4.18	---	2.33	3.15	---
MEAN	1.62	1.17	1.26	1.78	2.24	3.00	2.59	4.01	3.02	2.36	2.77	4.98
MAX	2.33	1.28	1.41	2.38	2.57	3.56	3.57	5.13	4.12	2.60	3.15	8.44
MIN	1.31	1.07	1.16	1.31	2.13	2.29	1.89	2.19	2.35	2.12	2.35	3.39

WITHLACOOCHIEE RIVER BASIN

02313100 RAINBOW SPRINGS NEAR DUNNELLO, FL

LOCATION.--Lat 29°06'08", long 82°26'16", in SE¼ sec.12, T.16 S., R.18 E., Marion County, Hydrologic Unit 03100208, at head of springs, 3.9 mi (6.3 km) north of Dunnellon, and 5.7 mi (9.2 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1899, 1905, 1907, 1917, 1929-30 (one discharge measurement each water year), October 1930 to November 1964 (discharge measurements only), December 1964 to current year. Prior to October 1940, published as Blue Springs near Dunnellon.

GAGE.--Nonrecording gage. Datum of gage is 28.34 ft (8.638 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 19, 1948, at datum 1.63 ft (0.497 m) higher. No gage prior to Oct. 8, 1930, Oct. 8, 1930, to Apr. 1, 1933, and Apr. 1, 1969 to Mar. 31, 1971, nonrecording gage or water-stage recorder, and April 1933, to March 1969, and since April 1971, nonrecording gage read at time of discharge measurements only.

REMARKS.--Records good. Discharge measurements made at bridge on State Highway 484, 5 mi (8 km) downstream from head of springs; surface inflow between springs and measuring site is negligible except after heavy rains. Discharge computed from relation between artesian pressure at Rainbow Springs well and discharge at measuring site. Artesian pressures are published as water levels for Rainbow Springs Well (290514082270701) in the section of this report entitled WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS.

AVERAGE DISCHARGE.--14 years (water years 1966-79), 720 ft³/s (20.39 m³/s), 465 mgd (1.760 hm³/day).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 1,230 ft³/s (34.8 m³/s) Oct. 12, 1964; maximum gage height observed, 5.90 ft (1.798 m) Apr. 5, 1960; minimum discharge measured, 487 ft³/s (13.8 m³/s) Oct. 3, 1932, Apr. 4, 1957; minimum gage height observed, 1.50 ft (0.457 m) July 20, Sept. 14, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 775 ft³/s (21.9 m³/s) Sept. 30, occurred on rise preceding crest of Oct. 16, 1979; maximum gage height observed, 2.78 ft (0.847 m) Oct. 11; minimum daily discharge, 620 ft³/s (17.6 m³/s) Apr. 30, May 6; minimum gage height observed, 2.22 ft (0.677 m) July 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	733	704	674	650	639	634	629	622	652	650	638	656
2	733	703	674	649	638	633	629	622	650	648	636	660
3	732	702	673	647	638	633	630	621	650	648	636	662
4	731	701	674	646	638	633	630	621	652	649	636	664
5	730	700	673	645	638	634	629	621	653	650	635	663
6	729	699	672	644	639	635	629	620	652	649	636	664
7	727	698	670	644	640	635	628	621	651	650	636	665
8	726	697	669	644	640	635	627	624	651	650	636	667
9	725	696	668	644	640	635	628	625	651	649	637	667
10	725	695	667	643	638	634	628	627	651	648	637	667
11	724	694	666	643	638	634	628	627	650	647	638	668
12	724	693	664	645	638	634	627	627	651	645	639	670
13	723	692	663	646	638	633	627	630	652	644	639	670
14	723	691	662	644	638	633	626	635	653	642	639	671
15	722	690	662	642	638	633	626	637	653	641	639	674
16	720	689	662	641	636	632	625	637	653	641	638	676
17	718	688	660	640	638	632	624	636	652	642	638	678
18	717	687	660	640	637	631	623	637	652	643	637	680
19	716	686	660	640	636	631	622	638	651	644	637	681
20	715	684	660	641	635	631	621	639	650	644	640	682
21	715	683	659	642	635	631	621	640	649	644	643	682
22	714	682	658	641	636	631	621	640	650	643	643	683
23	713	681	658	640	636	632	621	641	650	643	644	686
24	712	680	658	642	638	633	622	644	649	642	646	692
25	711	679	656	642	640	633	625	646	649	642	648	704
26	710	678	655	642	640	632	626	646	648	641	648	715
27	709	677	653	643	639	630	625	646	650	639	649	729
28	708	675	653	641	636	628	624	645	652	638	650	744
29	707	675	652	640	---	628	622	645	652	638	651	760
30	706	674	651	640	---	628	620	646	651	638	653	775
31	705	---	651	640	---	628	---	650	---	639	656	---
TOTAL	22303	20673	20537	19931	17862	19599	18763	19656	19530	19971	19878	20555
MEAN	719	689	662	643	638	632	625	634	651	644	641	685
MAX	733	704	674	650	640	635	630	650	653	650	656	775
MIN	705	674	651	640	635	628	620	620	648	638	635	656
AC-FT	44240	41000	40740	39530	35430	38870	37220	38990	38740	39610	39430	40770
CAL YR 1978	TOTAL	260245	MEAN 713	MAX 852	MIN 568	AC-FT 516200						
WTR YR 1979	TOTAL	239258	MEAN 656	MAX 775	MIN 620	AC-FT 474600						

WITHLACOCHEE RIVER BASIN

02313200 WITHLACOCHEE RIVER AT DUNNELLO, FL

LOCATION.--Lat 29°02'45", long 82°27'53", in NW¼ sec.35, T.16 S., R.18 E., Marion County, Hydrologic Unit 03100208, near right bank 50 ft (15 m) upstream from bridge on U.S. Highway 41 at Dunnellon, 0.6 mi (1.0 km) downstream from Blue Run, 0.8 mi (1.3 km) upstream from Lake Rousseau, and 25 mi (40 km) upstream from mouth.

DRAINAGE AREA.--1,960 mi² (5,080 km²), approximately.

PERIOD OF RECORD.--February 1963 to current year (gage heights only).

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Stage regulated by Lake Rousseau.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 29.64 ft (9.034 m) Sept. 12, 1964; minimum, 23.10 ft (7.041 m), estimated, Oct. 11, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1931, 33.0 ft (10.06 m) in April 1960, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 28.80 ft (8.778 m) Sept. 30, occurred on rise preceding crest of Oct. 2, 1979; minimum, 27.58 ft (8.406 m) Nov. 3, Sept. 13.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.86	27.68	27.76	27.64	27.72	27.72	27.80	27.68	27.90	27.70	27.72	27.88
2	27.88	27.60	27.78	27.68	27.72	27.72	27.80	27.70	27.86	27.72	27.70	27.86
3	27.86	27.58	27.78	27.70	27.70	27.74	27.78	27.76	27.86	27.72	27.70	27.88
4	27.86	27.60	27.76	27.76	27.72	27.76	27.78	27.84	27.82	27.70	27.70	27.90
5	27.84	27.60	27.74	27.76	27.68	27.80	27.80	27.88	27.80	27.68	27.74	27.88
6	27.84	27.60	27.70	27.80	27.70	27.82	27.80	27.90	27.80	27.68	27.78	27.84
7	27.86	27.76	27.72	27.80	27.72	27.82	27.80	27.92	27.76	27.70	27.78	27.84
8	27.86	27.78	27.70	27.84	27.74	27.86	27.82	27.92	27.76	27.70	27.82	27.86
9	27.84	27.80	27.74	27.88	27.74	27.86	27.82	27.90	27.74	27.72	27.78	27.86
10	27.84	27.78	27.72	27.92	27.70	27.86	27.80	27.94	27.74	27.72	27.74	27.86
11	27.86	27.70	27.68	27.92	27.70	27.84	27.80	27.94	27.74	27.70	27.74	27.72
12	27.86	27.70	27.70	27.94	27.70	27.86	27.78	28.08	27.76	27.70	27.78	27.60
13	27.86	27.74	27.70	27.98	27.72	27.90	27.78	28.18	27.78	27.70	27.82	27.58
14	27.84	27.74	27.70	27.95	27.74	27.88	27.80	28.26	27.76	27.68	27.80	27.68
15	27.82	27.78	27.70	27.92	27.78	27.86	27.76	28.16	27.76	27.68	27.76	27.96
16	27.82	27.78	27.70	27.92	27.78	27.86	27.74	28.04	27.74	27.70	27.72	27.96
17	27.80	27.80	27.70	27.86	27.80	27.84	27.70	28.02	27.74	27.70	27.72	27.96
18	27.76	27.76	27.68	27.82	27.82	27.84	27.72	28.02	27.74	27.72	27.72	27.94
19	27.76	27.74	27.68	27.84	27.88	27.84	27.72	28.06	27.74	27.74	27.76	27.96
20	27.74	27.70	27.70	27.78	27.88	27.86	27.74	28.10	27.72	27.72	27.76	28.02
21	27.74	27.68	27.72	27.82	27.90	27.86	27.74	28.10	27.70	27.70	27.80	27.90
22	27.74	27.68	27.72	27.88	27.92	27.84	27.72	28.06	27.70	27.70	27.82	28.00
23	27.74	27.70	27.72	28.00	27.92	27.84	27.68	28.00	27.68	27.70	27.80	28.18
24	27.76	27.70	27.72	28.10	27.96	27.82	27.64	28.00	27.68	27.70	27.80	28.26
25	27.78	27.72	27.70	28.00	27.96	27.82	27.64	28.06	27.66	27.68	27.74	28.36
26	27.80	27.72	27.70	27.88	27.84	27.84	27.62	28.06	27.66	27.68	27.68	28.40
27	27.80	27.74	27.68	27.82	27.76	27.84	27.62	28.04	27.68	27.70	27.70	28.54
28	27.78	27.70	27.66	27.78	27.72	27.82	27.60	28.00	27.68	27.70	27.74	28.60
29	27.86	27.70	27.64	27.76	---	27.80	27.60	27.94	27.70	27.70	27.74	28.66
30	27.82	27.72	27.64	27.74	---	27.80	27.64	27.90	27.70	27.72	27.78	28.80
31	27.74	---	27.64	27.74	---	27.82	---	28.02	---	27.72	27.82	---
MEAN	27.81	27.71	27.71	27.85	27.78	27.83	27.73	27.98	27.75	27.70	27.76	28.02
MAX	27.88	27.80	27.78	28.10	27.96	27.90	27.82	28.26	27.90	27.74	27.82	28.80
MIN	27.74	27.58	27.64	27.64	27.68	27.72	27.60	27.68	27.66	27.68	27.68	27.58
CAL YR 1978	MEAN 28.01		MAX 28.78	MIN 27.58								
WTR YR 1979	MEAN 27.80		MAX 28.80	MIN 27.58								

WITHLACOOCHEE RIVER BASIN

02313230 WITHLACOOCHEE RIVER AT INGLIS DAM, NEAR DUNNELLO, FL

LOCATION.--Lat 29°00'35", long 82°37'01", in SW¼ sec.8, T.17 S., R.17 E., Levy County, Hydrologic Unit 03100208, at upstream side of control structure of Inglis Dam, 3.5 mi (5.6 km) southeast of Inglis, 9.8 mi (15.8 km) west of Dunnellon, and 11 mi (18 km) upstream from mouth.

DRAINAGE AREA.--2,020 mi² (5,230 km²), approximately.

PERIOD OF RECORD.--October 1969 to current year. Miscellaneous discharge measurements, 1948, 1965-69. Gage-height records since June 1964 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Dual water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 20, 1971, water-stage recorder at site in forebay of powerhouse of the old Inglis Dam at same datum. July 20, 1971, to Aug. 23, 1972, water-stage recorder at site in private boat basin on south shore of Lake Rousseau. Auxiliary gage at downstream side of control structure.

REMARKS.--Records good. Records include flow of springs, approximately 70 ft³/s (1.98 m³/s), just downstream from control structure; spring flow is considered to be mostly leakage from Lake Rousseau. Flow regulated by manipulation of gates in spillway. Since December 1969, entire flow diverted below station from old river channel into Cross-Florida Barge Canal, and diversions above station from Lake Rousseau, for boat lockages, through Cross-Florida Barge Canal (see station 02313237), for maintaining flow in old river channel, through Withlacoochee River Bypass Channel (see station 02313250). Records of gage height are published as elevations for Lake Rousseau (station 02313229) in the section of this report entitled LAKE ELEVATIONS.

COOPERATION.--Gate-opening record furnished by Corps of Engineers.

AVERAGE DISCHARGE.--10 years, 347 ft³/s (9.827 m³/s), 251,400 acre-ft/yr (310 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 3,980 ft³/s (113 m³/s) July 26, 1966; maximum gage height, 28.10 ft (8.565 m) May 1, 1967; gates closed and flow consists of leakage, about 70 ft³/s (1.98 m³/s) for all or part of some days in most years; minimum gage height, 21.67 ft (6.605 m) Oct. 11, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,940 ft³/s (54.9 m³/s) Sept. 30; maximum gage height, 27.78 ft (8.467 m) May 14; gates closed and flow consists of leakage, about 70 ft³/s (1.98 m³/s) for many days; minimum gage height, 27.05 ft (8.245 m) Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	70	90	70	70	70	70	70	245	70	70	70
2	70	70	70	70	70	70	70	70	110	70	70	70
3	70	85	70	70	70	70	70	70	70	70	87	192
4	70	70	70	70	70	70	70	80	70	70	70	1020
5	70	70	70	70	70	70	70	70	70	70	70	561
6	70	70	70	70	70	70	70	70	70	70	70	70
7	70	70	70	70	70	70	70	70	70	70	70	123
8	70	70	70	70	70	70	70	70	85	70	70	170
9	70	70	70	70	74	70	70	70	70	70	70	170
10	70	85	70	70	70	70	70	70	70	70	70	170
11	70	70	70	70	70	70	70	85	70	70	70	170
12	70	70	70	85	70	70	70	70	70	70	92	598
13	70	70	70	70	70	70	101	192	70	70	70	778
14	70	70	70	70	70	70	70	473	70	75	70	70
15	70	70	85	70	70	70	70	390	90	70	70	103
16	70	70	70	70	90	70	70	153	70	70	70	489
17	70	85	70	70	70	70	70	132	70	70	70	438
18	70	70	70	70	70	70	70	228	70	70	70	320
19	147	70	70	90	70	70	70	270	70	70	70	399
20	162	70	70	70	70	70	85	207	70	70	70	652
21	70	70	70	249	70	70	70	170	70	70	70	583
22	70	70	90	70	70	70	70	170	85	70	70	411
23	70	70	70	70	70	70	70	120	70	70	70	616
24	70	85	70	70	70	70	70	70	70	70	70	1090
25	70	70	70	70	73	70	70	130	70	70	70	1470*
26	70	70	70	85	387	70	70	170	70	70	70	1430
27	85	70	70	70	70	70	85	138	70	70	70	1680
28	70	70	70	70	70	70	70	70	70	70	70	1850
29	70	70	90	70	---	70	70	70	85	70	70	1650
30	70	70	70	70	---	70	70	70	70	70	70	1940
31	70	---	70	70	---	70	---	259	---	70	70	---
TOTAL	2354	2160	2245	2399	2304	2170	2161	4347	2380	2175	2209	19353
MEAN	75.9	72.0	72.4	77.4	82.3	70.0	72.0	140	79.3	70.2	71.3	645
MAX	162	85	90	249	387	70	101	473	245	75	92	1940
MIN	70	70	70	70	70	70	70	70	70	70	70	70
AC-FT	4670	4280	4450	4760	4570	4300	4290	8620	4720	4310	4380	38390
CAL YR 1978	TOTAL	86005	MEAN	236	MAX	2220	MIN	70	AC-FT	170600		
WTR YR 1979	TOTAL	46257	MEAN	127	MAX	1940	MIN	70	AC-FT	91750		

WITHLACOOCHIEE RIVER BASIN

02313231 WITHLACOOCHIEE RIVER BELOW INGLIS DAM, NEAR DUNNELLON, FL

LOCATION.--Lat 29°00'35", long 82°37'01", in SW¼ sec.8, T.17 S., R.17 E., Levy County, Hydrologic Unit 03100208, at downstream side of control structure of Inglis Dam, 3.5 mi (5.6 km) southeast of Inglis, 9.8 mi (15.8 km) west of Dunnellon, and 11 mi (18 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1964 to current year (gage heights only).

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Dual water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 21, 1971, at downstream end of lock chamber of former Inglis Dam at same datum. June 21, 1971, to Aug. 23, 1972, near left bank 1,500 ft (500 m) downstream at same datum. This is the auxiliary gage for station 02313230 located at upstream side of control structure.

REMARKS.--Stage affected by tide and manipulation of gates immediately above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.73 ft (4.795 m) Sept. 13, 1964; minimum, -3.72 ft (-1.134 m) Jan. 16, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.30 ft (1.615 m) Sept. 30; minimum, -2.26 ft (-0.689 m) Jan. 15.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	.36	1.13	1.11	-.46	.52	.70	.49	1.16	.88	.80	.88
2	.62	.40	.64	1.10	-.13	.48	.75	.48	.79	.64	.89	.87
3	.42	.67	.57	-1.29	.12	.77	1.05	.50	.84	.32	.78	.60
4	.70	.46	1.40	-1.19	.55	1.04	1.24	1.13	.90	.58	.72	3.11
5	.84	.96	1.48	-.03	.00	.97	.89	.91	.82	.77	.72	2.19
6	.89	.92	.45	.70	.83	.34	-.05	1.13	.86	.60	.80	1.10
7	.26	1.04	.43	1.16	1.15	.35	.11	.67	.73	.44	1.05	1.28
8	.30	1.25	.69	.50	-.17	.88	.84	.68	.66	.77	1.12	1.22
9	.20	.83	1.31	-.74	-.13	.19	1.63	.40	.28	.74	1.06	.95
10	.52	.70	-.70	-.53	-.67	.37	.57	.60	.60	1.00	.97	.90
11	.70	.35	-.21	.18	-.41	.22	.37	.70	1.25	1.12	1.25	1.26
12	.85	.27	-.75	.78	-.14	-.14	.69	.73	.37	1.06	1.57	2.98
13	1.30	.50	-.35	1.10	-.02	.34	.91	1.06	.73	1.12	1.12	2.90
14	1.24	.73	-.01	.68	.08	.57	1.02	1.85	.12	.75	.91	1.32
15	.00	.88	.44	-.83	.25	.06	.52	1.33	-.09	.85	.62	1.31
16	.31	1.00	.77	-.23	.53	-.24	.49	.38	.73	.80	.80	1.40
17	.24	1.07	-.09	.23	-.04	-.14	.46	.05	1.00	1.01	.75	1.20
18	-.07	.63	.06	.25	-.10	.13	.41	.51	.39	.97	.70	1.00
19	.53	.61	.61	.32	-.49	.39	.70	1.09	.66	.89	.89	1.50
20	1.18	.27	1.02	1.51	.02	.37	.69	1.10	.39	.75	.95	2.28
21	.89	.20	1.02	2.88	.61	.71	.94	.85	.21	.98	.97	2.70
22	.76	.54	.19	-.13	.61	.76	.49	1.02	.78	1.40	1.00	2.30
23	.46	.95	.11	.44	.58	1.91	.72	1.35	.92	1.22	.95	2.10
24	.55	1.15	1.33	1.95	.78	1.73	.53	1.53	.76	1.24	1.11	3.25
25	.66	.51	.32	.09	1.97	1.13	1.70	1.22	1.00	1.06	1.00	3.80
26	.98	1.02	.20	.39	1.18	.22	1.63	.45	.42	1.08	1.00	3.70
27	1.04	1.70	-.76	.88	-.30	.57	1.72	.76	.52	1.20	.88	4.27
28	.60	1.24	-.62	.18	.18	.14	.75	.64	.52	1.01	1.10	4.50
29	.60	1.01	-.34	-.14	---	.26	.31	.83	.72	1.00	1.20	4.20
30	.06	1.16	.26	.18	---	.42	.76	.70	.45	.98	.95	4.66
31	.12	---	.69	.43	---	.71	---	1.06	---	1.14	.75	---
MEAN	.60	.78	.36	.38	.23	.52	.78	.85	.65	.92	.95	2.19
MAX	1.30	1.70	1.48	2.88	1.97	1.91	1.72	1.85	1.25	1.40	1.57	4.66
MIN	-.07	.20	-.76	-1.29	-.67	-.24	-.05	.05	-.09	.32	.62	.60
CAL YR 1978	MEAN	1.05	MAX	5.85	MIN	-.86						
WTR YR 1979	MEAN	.77	MAX	4.66	MIN	-1.29						

WITHLACOOCHIEE RIVER BASIN

02313237 CROSS-FLORIDA BARGE CANAL AT INGLIS LOCK, NEAR INGLIS, FL

LOCATION.--Lat 29°01'30", long 82°37'00", in SW¼ sec.5, T.17 S., R.17 E., Levy County, Hydrologic Unit 03100208, at downstream side of Inglis Lock, 0.8 mi (1.3 km) downstream from Lake Rousseau, and 3.2 mi (5.1 km) east of Inglis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Nonrecording gage.

REMARKS.--Discharge at station is a diversion of flow, for boat lockages, from Lake Rousseau and Withlacoochee River into Gulf of Mexico, and is computed using daily volume of water used for lockage.

COOPERATION.--Lockage record furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 138 ft³/s (3.91 m³/s) Jan. 11, 1970; no flow for many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 93 ft³/s (2.63 m³/s) Nov. 5; no flow for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	16	19	.00	.00	19	16	16	62	17	24	16
2	16	12	52	18	18	17	17	17	37	17	22	16
3	16	24	54	19	17	18	16	42	31	17	21	.00
4	18	55	.00	19	17	17	17	56	16	.00	21	16
5	19	93	18	36	17	18	16	47	17	.00	16	16
6	17	18	18	.00	18	17	18	29	33	.00	22	16
7	19	17	18	16	.00	76	17	7.4	48	24	34	15
8	18	17	.00	17	.00	17	16	16	16	17	33	22
9	.00	17	16	19	17	17	17	17	33	17	74	18
10	30	18	44	.00	17	18	16	16	34	16	48	18
11	16	30	.00	.00	20	19	16	21	.00	22	26	17
12	20	18	18	17	18	.00	.00	16	16	15	57	6.4
13	.00	17	20	18	16	18	.00	17	18	4.8	49	16
14	17	17	21	19	.00	18	17	.00	18	23	33	17
15	19	.00	23	20	.00	.00	18	.00	18	25	23	18
16	16	.00	19	17	16	17	18	.00	36	5.8	55	45
17	.00	26	18	.00	18	17	18	18	52	5.8	18	4.8
18	.00	38	3.8	.00	17	45	.00	18	16	4.8	16	22
19	19	49	.00	26	.00	18	.00	36	18	4.8	16	19
20	21	19	.00	18	27	18	17	43	16	4.8	16	18
21	17	24	18	16	.00	18	17	18	12	28	16	3.4
22	18	21	18	18	.00	.00	18	16	17	33	17	15
23	17	.00	52	17	16	16	4.8	17	43	4.8	18	18
24	.00	18	16	.00	45	29	16	16	17	4.8	15	16
25	.00	17	.00	.00	17	30	.00	16	16	34	21	17
26	16	17	17	17	16	12	.00	16	18	54	61	16
27	17	17	19	19	17	18	16	16	38	21	16	18
28	17	18	19	19	16	17	17	.00	18	21	18	18
29	17	16	24	19	---	42	34	43	16	22	17	17
30	17	36	24	19	---	16	16	49	18	24	17	21
31	7.1	---	19	.00	---	16	---	22	---	39	17	---
TOTAL	441.10	685.00	587.80	423.00	380.00	618.00	408.80	661.40	748.00	526.40	857	495.60
MEAN	14.2	22.8	19.0	13.6	13.6	19.9	13.6	21.3	24.9	17.0	27.6	16.5
MAX	30	93	54	36	45	76	34	56	62	54	74	45
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	.00
AC-FT	875	1360	1170	839	754	1230	811	1310	1480	1040	1700	983
CAL YR 1978	TOTAL	7124.70	MEAN	19.5	MAX	93	MIN	.00	AC-FT	14130		
WTR YR 1979	TOTAL	6832.10	MEAN	18.7	MAX	93	MIN	.00	AC-FT	13550		

WITHLACOOCHIE RIVER BASIN

02313250 WITHLACOOCHIE RIVER BYPASS CHANNEL NEAR INGLIS, FL

LOCATION.--Lat 29°01'15", long 82°38'17", in NE¼ sec.12, T.17 S., R.16 E., Levy County, Hydrologic Unit 03100208, on right bank 90 ft (27 m) upstream from control structure, 0.1 mi (0.2 km) upstream from mouth, and 2.0 mi (3.2 km) east of Inglis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to July 16, 1971, water-stage recorder for Withlacoochee River at Inglis Dam, near Dunnellon (station 02313230) used as base gage for this station.

REMARKS.--Records good. Flow regulated by manipulation of gates in spillway; channel completed and flow through spillway began December 17, 1969. Discharge at station is the diversion from Lake Rousseau to maintain flow in the old river channel.

COOPERATION.--Gate-opening record furnished by Corps of Engineers.

AVERAGE DISCHARGE.--9 years, 1,112 ft³/s (31.49 m³/s), 805,600 acre-ft/yr (993 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,740 ft³/s (49.3 m³/s) Sept. 2, 1973; maximum gage height, 28.31 ft (8.629 m) May 19, 1977; minimum daily discharge, 53 ft³/s (1.50 m³/s) Oct. 11, 1972; minimum gage height, 21.35 ft (6.507 m) Oct. 8, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,660 ft³/s (47.0 m³/s) May 14; maximum gage height, 28.09 ft (8.562 m) Aug. 7; minimum daily discharge, 770 ft³/s (21.8 m³/s) Nov. 5, 6; minimum gage height, 26.32 ft (8.022 m) Aug. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	1130	896	920	1220	1120	1330	876	1560	1010	1070	1540
2	1250	1060	920	974	1180	1100	1380	977	1530	1010	1010	1450
3	1250	906	920	1040	1120	1100	1380	1010	1340	1010	980	1490
4	1230	804	920	969	1100	1100	1370	1010	1320	1010	980	881
5	1200	770	956	920	1100	1100	1370	1010	1510	1050	1040	926
6	1160	770	1020	884	1120	1170	1370	1010	1470	1070	1250	1440
7	1050	846	1000	860	1130	1220	1350	1050	1370	1110	1170	1560
8	1010	890	980	860	1130	1260	1280	1470	1370	1090	1240	1550
9	1010	928	980	871	1170	1280	1170	1610	1370	1010	1280	1540
10	1010	950	907	890	1190	1280	1130	1600	1310	1040	1200	1510
11	1020	950	860	942	1150	1280	1150	1590	1180	1070	1100	1500
12	1040	931	842	1130	1130	1280	1160	1600	1170	1030	1180	1010
13	1060	903	830	1620	1090	1280	1160	1620	1270	1010	1240	773
14	1070	890	849	1340	1070	1280	1100	1660	1310	1010	1310	1280
15	1070	890	860	1100	1070	1300	1070	1590	1270	1010	1180	1490
16	1050	890	860	1000	1070	1310	1010	1600	1160	1010	1130	1590
17	1040	907	860	980	1090	1310	942	1640	1130	1050	1050	1540
18	1040	920	860	980	1100	1310	920	1630	1130	1070	1010	1570
19	908	920	860	980	1100	1290	920	1590	1130	1110	1050	1570
20	828	920	860	980	1100	1260	920	1560	1130	1130	1150	1550
21	920	901	879	849	1100	1250	920	1570	1090	1130	1190	1490
22	920	890	927	1090	1100	1250	939	1570	1110	1090	1190	1520
23	920	890	912	1130	1140	1290	950	1570	1130	1070	1330	1570
24	920	872	890	1130	1200	1310	968	1600	1070	1030	1620	1580
25	920	860	890	1130	1260	1310	1150	1610	1000	1050	1590	1530
26	959	860	928	1270	941	1310	1220	1590	998	1030	1320	1520
27	980	860	928	1370	1210	1310	1180	1560	1020	951	1130	1500
28	980	860	968	1270	1170	1310	1080	1570	1160	920	1100	1460
29	1030	860	1010	1220	---	1310	966	1580	1260	920	1100	1460
30	1070	860	1010	1220	---	1310	842	1600	1080	939	1160	1460
31	1070	---	957	1220	---	1310	---	1630	---	1030	1280	---
TOTAL	32235	26888	26339	33139	31551	38900	33697	45153	36948	32070	36630	42850
MEAN	1040	896	914	1069	1127	1255	1123	1457	1232	1035	1182	1428
MAX	1250	1130	1020	1620	1260	1310	1380	1660	1560	1130	1620	1590
MIN	828	770	830	849	941	1100	842	876	998	920	980	773
AC-FT	63940	53330	56210	65730	62580	77160	66840	89560	73290	63610	72660	84990
CAL YR 1978	TOTAL	446603	MEAN	1224	MAX	1600	MIN	508	AC-FT	885800		
WTR YR 1979	TOTAL	418400	MEAN	1146	MAX	1660	MIN	770	AC-FT	829900		

02313251 WITHLACOOCHIE RIVER BYPASS CHANNEL BELOW STRUCTURE, NEAR INGLIS, FL

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Stage affected by tide and manipulation of gates in control structure.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.01 ft (2.137 m) June 19, 1972; minimum, -1.97 ft (-0.600 m) July 15, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.05 ft (1.539 m) Sept. 21; minimum, 0.99 ft (0.302 m) estimated, June 28.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.20	2.66	2.56	2.60	2.49	2.83	3.41	2.34	3.40	2.59	2.53	3.34
2	2.93	2.43	2.50	2.86	2.56	2.76	3.61	2.44	3.32	2.40	2.41	3.26
3	2.90	2.35	2.58	2.08	2.57	2.77	3.66	2.60	2.95	2.30	2.36	3.15
4	2.97	2.08	2.71	1.98	2.50	2.82	3.55	2.73	3.02	2.25	2.40	2.59
5	2.91	2.28	2.93	2.09	2.43	2.78	3.49	2.73	3.29	2.43	2.63	2.68
6	2.78	2.15	2.40	2.20	2.72	2.66	3.15	2.79	3.29	2.54	2.98	3.40
7	2.29	2.35	2.31	2.40	2.97	2.77	3.13	2.72	3.19	2.38	2.99	3.68
8	2.26	2.44	2.33	2.22	2.55	3.04	3.25	3.32	3.28	2.57	3.14	3.57
9	2.19	2.25	2.63	1.82	2.66	2.96	3.43	3.93	3.06	2.48	3.18	3.41
10	2.28	2.36	1.94	1.88	2.46	3.03	3.18	3.89	3.10	2.83	3.09	3.38
11	2.50	2.35	1.84	2.19	2.50	2.96	3.16	3.87	3.01	2.98	3.03	3.37
12	2.65	2.25	1.85	3.00	2.57	2.80	3.23	3.79	2.78	2.72	3.17	3.21
13	2.98	2.43	1.84	3.72	2.53	3.10	3.34	3.88	2.94	2.68	2.99	2.60
14	2.90	2.56	1.99	3.35	2.55	3.38	3.21	3.85	2.78	2.62	2.92	3.09
15	2.51	2.61	2.19	2.26	2.57	3.11	2.84	3.64	2.65	2.49	2.60	3.47
16	2.50	2.49	2.30	2.24	2.62	2.92	2.69	3.46	2.71	2.36	2.56	3.36
17	2.65	2.66	2.07	2.37	2.47	2.98	2.55	3.38	2.58	2.48	2.51	3.31
18	2.24	2.43	2.04	2.38	2.53	2.99	2.45	3.33	2.55	2.58	2.46	3.35
19	2.05	2.43	2.29	2.38	2.39	3.12	2.36	3.48	2.58	2.67	2.58	3.51
20	2.34	2.23	2.31	2.93	2.51	3.05	2.38	3.46	2.53	2.59	2.88	3.64
21	2.48	2.09	2.40	3.24	2.64	3.00	2.46	3.55	2.50	2.70	3.07	3.92
22	2.27	2.13	2.06	2.35	2.63	3.09	2.74	3.61	2.66	2.93	3.03	3.94
23	2.13	2.20	2.09	2.56	2.84	3.58	2.73	3.77	2.81	2.79	3.29	3.55
24	2.10	2.29	2.51	3.28	3.10	3.77	2.73	3.94	2.76	2.72	3.72	3.65
25	2.23	2.09	2.07	2.52	3.69	3.43	3.50	3.78	2.69	2.77	3.61	3.39
26	2.40	2.27	2.13	2.82	2.70	3.19	3.59	3.46	2.44	2.67	3.06	3.33
27	2.53	2.55	2.05	3.27	2.68	3.22	3.42	3.55	2.10	2.55	2.78	3.46
28	2.55	2.50	1.99	3.10	2.83	3.29	3.15	3.55	2.35	2.50	2.69	3.32
29	2.65	2.68	2.34	2.60	---	3.38	2.65	3.60	2.59	2.41	2.75	3.34
30	2.50	2.65	2.49	2.71	---	3.36	2.45	3.67	2.36	2.44	2.74	3.29
31	2.30	---	2.48	2.79	---	3.41	---	3.58	---	2.49	2.85	---
MEAN	2.52	2.37	2.27	2.59	2.65	3.08	3.05	3.41	2.81	2.58	2.87	3.35
MAX	3.20	2.68	2.93	3.72	3.69	3.77	3.66	3.94	3.40	2.98	3.72	3.94
MIN	2.05	2.08	1.84	1.82	2.39	2.66	2.36	2.34	2.10	2.25	2.36	2.59

WITHLACOCHEE RIVER BASIN

02313265 WITHLACOCHEE RIVER AT CRACKERTOWN, FL

LOCATION.--Lat 29°01'49", long 82°40'41", in NW¼ sec.3, T.17 S., R.16 E., Levy County, Hydrologic Unit 03100208, near right bank at end of Florida Power Corporation powerplant bulkhead and pump outlet, 0.5 mi (0.8 km) west of Inglis, 0.7 mi (1.1 km) southeast of Crackertown, and 6.6 mi (10.6 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1967 to current year (gage heights only).

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

REMARKS.--Stage affected by tide and by manipulation of gates in control structures upstream. The stage record published is the maximum and minimum tide event for each calendar day.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.31 ft (1.923 m) June 19, 1972; minimum, -3.96 ft (-1.207 m) Dec. 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.40 ft (1.341 m) Dec. 1; minimum, -2.71 ft (-0.826 m) Dec. 28.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.50	2.77	4.40	3.50	1.28	2.82	2.98	2.52	2.07	2.77	2.64	3.50
2	3.07	2.89	3.52	3.89	1.94	2.76	3.04	2.17	2.28	2.21	2.85	3.50
3	2.85	2.99	3.14	.09	2.34	3.39	2.90	2.26	2.19	1.90	2.74	3.30
4	3.31	2.69	3.64	.53	1.78	3.31	2.22	2.33	2.55	2.33	2.94	3.20
5	3.22	3.08	4.30	1.97	1.74	2.60	2.41	2.16	2.50	2.69	3.29	3.70
6	3.29	2.85	1.99	2.60	3.01	1.70	1.58	2.50	2.73	2.78	3.31	3.90
7	2.02	2.73	2.05	2.54	2.51	1.71	1.81	2.28	3.00	2.99	3.83	3.90
8	2.30	2.92	2.65	2.17	1.00	2.59	2.74	2.80	3.30	3.36	4.02	3.50
9	1.81	2.37	2.47	.67	2.17	1.77	3.09	3.12	3.15	3.56	4.01	3.20
10	2.28	2.44	.70	.49	.95	2.34	2.88	3.15	3.60	3.98	4.00	3.00
11	3.10	2.65	.71	1.71	1.70	2.82	2.96	3.42	3.94	4.28	3.90	2.90
12	3.17	2.45	1.53	2.93	1.98	1.72	3.15	3.61	2.89	3.80	3.70	4.25
13	3.67	2.72	1.09	3.86	2.43	2.60	3.49	3.60	2.98	3.25	3.50	3.35
14	3.68	3.21	2.29	3.45	2.16	3.04	3.25	3.46	1.80	2.95	3.40	2.96
15	2.82	3.36	2.10	1.14	2.30	2.48	2.85	3.01	2.22	2.62	3.20	3.10
16	2.87	3.61	2.97	1.61	2.50	2.24	2.59	2.33	2.69	2.52	3.00	2.37
17	2.94	3.52	3.03	2.12	1.79	2.42	2.70	1.69	2.50	2.83	3.00	2.87
18	1.76	3.38	1.86	2.03	2.32	2.69	2.51	1.99	2.28	2.92	3.10	3.00
19	2.42	2.90	2.48	2.13	1.44	2.90	2.44	2.21	2.43	3.19	3.30	3.22
20	2.93	2.22	2.63	3.98	2.17	2.72	2.40	2.68	2.64	2.81	3.60	3.56
21	3.05	1.72	2.41	3.79	2.49	2.56	2.54	2.54	3.00	3.14	3.90	4.30
22	2.56	1.85	1.80	1.61	2.85	2.84	2.73	2.98	3.24	4.00	3.80	3.82
23	1.99	2.31	2.05	2.76	3.38	4.07	2.86	3.51	3.22	3.74	3.80	3.03
24	1.72	2.63	2.77	3.62	3.06	3.43	2.95	3.60	3.30	3.30	4.20	3.38
25	2.12	2.10	1.79	.96	2.79	2.39	3.97	3.21	3.20	3.40	4.00	2.94
26	2.90	3.34	1.79	2.46	3.92	2.59	3.65	2.88	2.81	3.31	3.80	3.01
27	2.54	3.30	-.01	2.95	2.06	2.70	3.70	3.20	2.84	3.28	3.60	3.10
28	2.89	3.41	1.02	3.85	2.64	2.98	3.09	3.08	2.78	2.98	3.60	3.02
29	2.99	3.17	1.97	1.92	---	3.00	3.10	3.07	2.69	2.70	3.70	3.09
30	2.55	3.73	2.85	2.62	---	3.26	3.05	3.05	2.52	2.50	3.70	3.00
31	1.82	---	3.18	2.21	---	3.08	---	2.59	---	2.80	3.10	---
MEAN	2.71	2.84	2.30	2.33	2.24	2.69	2.85	2.81	2.78	3.06	3.50	3.30
MAX	3.68	3.73	4.40	3.98	3.92	4.07	3.97	3.61	3.94	4.28	4.20	4.30
MIN	1.72	1.72	-.01	.09	.95	1.70	1.58	1.69	1.80	1.90	2.64	2.37

CAL YR 1978 MEAN 2.81 MAX 5.64 MIN -.01
WTR YR 1979 MEAN 2.79 MAX 4.40 MIN -.01

NOTE.--Estimated Aug. 10 to Sept. 10

WITHLACOCHEE RIVER BASIN

02313265 WITHLACOCHEE RIVER AT CRACKERTOWN, FL

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.45	-1.30	-1.60	-1.40	-1.65	-1.06	-.98	-1.87	-.49	-.41	-.33	-.10
2	-.90	-1.56	-1.63	-.59	-1.28	-.71	-.49	-1.58	-.50	-.28	-.60	-.30
3	-.99	-1.70	-1.45	-2.58	-1.18	-1.19	-.22	-1.19	-.19	-.62	-.90	-.60
4	-.69	-1.59	-1.04	-2.21	-.65	-.62	.03	-.55	-.13	-.80	-1.14	-1.10
5	-.83	-1.37	-.97	-1.73	-1.05	-.35	.27	-.29	-.10	-.88	-1.36	-1.30
6	-.99	-.89	-.81	-1.02	-1.39	-.21	-.47	-.07	-.47	-1.41	-1.11	-.80
7	-1.54	-.35	-.65	-.69	-.55	-.71	-.82	-.54	-.80	-1.43	-1.16	-.80
8	-1.20	-.33	-.55	-.61	-1.61	.01	-.61	.00	-1.19	-1.57	-1.00	-.70
9	-1.05	-.57	-.21	-2.45	-1.16	-1.11	.12	-.39	-1.37	-1.50	-.25	-.70
10	-1.00	-.49	-1.98	-2.68	-2.30	-.90	-.77	-.55	-1.35	-1.10	-.30	-.50
11	-.74	-.98	-2.29	-1.74	-1.98	-1.00	-.83	-.87	-1.09	-1.36	-.35	-.11
12	-.59	-1.33	-2.32	-1.73	-1.75	-1.46	-.77	-.67	-.57	-.80	-.40	1.02
13	-.40	-1.60	-2.61	-.37	-1.48	-.99	-.69	.15	-1.73	-1.11	-.50	.78
14	-.35	-1.43	-2.21	-.71	-1.46	-.67	-1.02	-.72	-1.55	-.99	-.50	.44
15	-2.13	-1.58	-1.89	-2.55	-1.35	-1.42	-1.20	-.79	-1.51	-.89	-.60	.41
16	-1.50	-1.36	-1.68	-1.82	-1.09	-1.34	-.88	-1.15	-1.36	-.55	-.60	.00
17	-1.60	-1.25	-1.83	-1.42	-1.19	-.91	-1.70	-1.01	-.59	-.27	-.70	-.25
18	-1.52	-1.23	-1.75	-1.44	-1.99	-1.29	-1.54	-1.31	-.75	-.53	-.60	-.15
19	-1.39	-1.38	-1.23	-1.25	-1.25	-1.09	-1.28	-.71	-.69	-.78	-.60	-.14
20	-1.20	-1.32	-.91	-.74	-1.69	-.94	-1.52	-.46	-1.22	-1.10	-.50	-.20
21	-.86	-1.02	-.35	1.41	-.89	-.64	-1.10	-.26	-1.35	-.81	-.40	.98
22	-.66	-.80	-.97	-.72	-1.25	-.83	-1.05	-.48	-1.30	-.50	-.40	1.09
23	-.94	-.21	-.69	-1.05	-1.25	-.53	-.76	-.04	-1.32	-.55	-.30	.08
24	-.43	-.10	-.40	.20	-1.13	.95	-.65	-.10	-1.38	-.62	.00	-.03
25	-.57	-.46	-.70	-1.85	-.20	-.29	-.22	-.73	-1.43	-.55	-.10	-.25
26	-.05	-.82	-1.32	-1.55	-.88	-1.20	-.48	-1.03	-.43	-.75	-.40	-.33
27	-.27	-.28	-2.30	-1.16	-1.69	-1.19	-.70	-.01	-1.71	-.68	-.60	.21
28	-.69	-.90	-2.71	-1.45	-1.20	-1.09	-1.50	-.92	-1.30	-.26	-.70	.08
29	-.79	-1.40	-2.22	-1.90	---	-1.18	-.80	-.88	-1.00	-.73	-.50	.15
30	-1.27	-1.38	-1.79	-1.69	---	-1.01	-1.63	-.69	-.87	-.49	-.50	-.15
31	-1.54	---	-1.72	-.29	---	-.05	---	-.48	---	-.12	-.30	---
MEAN	-.94	-1.03	-1.44	-1.28	-1.31	-.81	-.81	-.65	-1.00	-.79	-.57	-.11
MAX	-.05	-.10	-.21	1.41	-.20	.95	.27	.15	-.10	-.12	.00	1.09
MIN	-2.13	-1.70	-2.71	-2.68	-2.30	-1.46	-1.70	-1.87	-1.73	-1.57	-1.36	-1.30

CAL YR 1978 MEAN -.85 MAX .83 MIN -2.71
WTR YR 1979 MEAN -.89 MAX 1.41 MIN -2.71

NOTE.--Estimated Aug. 10 to Sept. 10.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. 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 date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1979

Station number	Station name	Location	Drainage area (sq mi)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Discharge (cfs)
Oklawaha River Basin							
02240920	Fairfield Sink drain at Fairfield, FL	Lat 29°21'58", long 82°15'17", in NW¼ sec.18, T.13 S., R.21 E., Marion County, Hydrologic Unit 03080102, on right bank of drainage channel near abandoned brick school, 50 ft (15 m) downstream from culvert on State Highway 316, approximately 450 ft (140 m) upstream from sink, and 0.2 mi (0.3 km) west of intersection of State Highways 316 and 225 at Fairfield. Datum of gage is 78.19 ft (23.832 m) National Geodetic Vertical Datum of 1929.	1.70	1966-79	9-16-79	21.24	23
Charlotte Harbor and coastal area							
02293390	North Prong Alligator Creek near Punta Gorda, FL	Lat 26°41", long 81°58'31", in SE¼ sec.23, T.41 S., R.23 E., Charlotte County, Hydrologic Unit 03100103, at bridge on county road, 0.8 mi (1.3 km) above mouth, and 4.4 mi (7.1 km) southeast of Punta Gorda. Datum of gage is 4.21 ft (1.283 m) National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).	8.46	1970-79	9-24-79	13.20	360
Myakka River Basin							
02298482	Johnson Creek near Myakka Head, FL	Lat 27°27'34", long 82°08'49", in SW¼ sec.6, T.35 S., R.22 E., Manatee County, Hydrologic Unit 03100102, at downstream end of culvert on State Highway 64, 0.4 mi (0.6 km) above mouth, and 4.4 mi (7.1 km) west of Myakka Head.	3.18	1970-79	9-22-79	5.82	75

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1979

Station number	Station name	Location	Drainage area (sq mi)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Coastal area between Myakka and Manatee Rivers							
02299800	Phillippe Creek at Sarasota, FL	Lat 27°19'20", long 82°30'20", in SE¼ sec.28, T.36 S., R.18 E., Sarasota County, Hydrologic Unit 03100201, at bridge on Bahia Vista Street, Sarasota, 1.5 mi (2.4 km) east of U.S. Highway 41, and 4.8 mi (7.7 km) upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929 (Sarasota County bench mark).	a45	1960-79	9-22-79	5.22	928
Little Manatee River Basin							
02300200	South Fork Little Manatee River near Duette, FL	Lat 27°35'25", long 82°10'57", in SW¼ sec.23, T.33 S., R.21 E., Manatee County, Hydrologic Unit 03100203, at bridge on county road, 0.5 mi (0.8 km) above Graveyard Creek, 3.7 mi (6.0 km) west of Duette, and 12 mi (19 km) upstream from mouth. Datum of gage is 89.25 ft (27.203 m) National Geodetic Vertical Datum of 1929.	a9.4	1960-79	9-22-79	4.11	404
Alafia River Basin							
02301314	Mizelle Creek near Keyville, FL	Lat 27°50'14", long 82°05'17", in SE¼ sec.27, T.30 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, on right bank 10 ft (3 m) downstream from bridge on county road, 1.7 mi (2.7 km) upstream from mouth, 2.0 mi (3.2 km) south of Keyville, and 3.6 mi (5.8 km) southeast of Pinecrest. Datum of gage is 70.42 ft (21.464 m) National Geodetic Vertical Datum of 1929.	3.69	1969-79	9-22-79	5.77	177
Hillsborough River Basin							
02303100	New River near Zephyrhills, FL	Lat 28°09'55", long 82°15'55", in NW¼ sec.1, T.27 S., R.20 E., Hillsborough County, Hydrologic Unit 03100205, near left bank 100 ft (30 m) upstream from bridge on State Highway 579, 1.4 mi (2.3 km) upstream from small tributary, 1.8 mi (2.9 km) upstream from mouth and 7 mi (11 km) southwest of Zephyrhills. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929.	15.0	1964-74† 1975-79	9-24-79	8.50	240
02303200	Pemberton Creek near Dover	Lat 28°01'34", long 82°14'12", in SE¼ sec.19, T.28 S., R.21 E., Hillsborough County, Hydrologic Unit 03100205, at bridge on county road, 1.8 mi (2.9 km) above Baker Creek, 2.5 mi (4.0 km) northwest of Dover, and 7.1 mi (11.4 km) upstream from mouth. Datum of gage is 53.04 ft (16.167 m) National Geodetic Vertical Datum of 1929.	a24	1957-58† 1959-79	9-23-79	4.60	168
02303344	Trout Creek Tributary near Worthington Gardens, FL	Lat 28°12'54", long 82°23'24", in SE¼ sec.15, T.26 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on left downstream wingwall of box culverts on State Highway 54, 1.8 mi (2.9 km) northeast of Worthington Gardens.	Indeterminate	1974-79†	5-09-79	5.15	200

† Operated as a continuous-record gaging station

a Approximately

Annual maximum discharge at crest-stage partial-record stations during water year 1979

Station number	Station name	Location	Drainage area (sq mi)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Hillsborough River Basin--Continued							
02303358	Cypress Creek near Darby, FL	Lat 28°22'32", long 82°19'47", in NW¼ sec.29, T.24 S., R.20 E., Pasco County, Hydrologic Unit 03100205, at bridge on State Highway 578, 2.0 mi (3.2 km) northeast of Darby, 2.6 mi (4.2 km) above Bee Tree branch, and 4.3 mi (6.9 km) northwest of San Antonio. Datum of gage is 80 ft (24.384 m) National Geodetic Vertical Datum of 1929. Prior to 5-15-70, at datum 8.60 ft (2.621 m) higher.	7.11	1969-79	9-30-79	16.13	7.32
Tampa Bay and coastal areas							
02301783	Mango Lake Outlet at Mango, FL	Lat 27°58'17", long 82°18'33", in SE¼ sec.9, T.29 S., R.20 E., Hillsborough County, Hydrologic Unit 03100206, 425 ft (130 m) east of Lakewood Drive and 0.6 mi (1.0 km) south of Mango, FL. Datum of gage is 31.28 ft (9.534 m) National Geodetic Vertical Datum of 1929.	4.74	1979	1979	<31.28	†
02307731	Allen Creek near Largo, FL	Lat 27°56'30", long 82°45'00", in SE¼ sec.24, T.29 S., R.15 E., Pinellas County, Hydrologic Unit 03100206, 3.0 mi (4.8 km) northeast of Largo, and 3.1 mi (5.0 km) upstream from mouth. Datum of gage is 2.00 ft (0.610 m) below National Geodetic Vertical Datum of 1929.	1.9	1947-51† 1971-79	5-08-79	12.22	852

† Discharge not determined

‡ Operated as a continuous-record gaging station

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1978

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Dis-charge (cfs)
Peace River Basin						
Peace Creek Drainage Canal	Peace River	Lat 27°55'23, long 81°42'28", in NW¼ sec 34, T.29S., R.26E., Polk County, Hydrologic Unit 03100101, at highway bridge 0.6 mi (1.0 km) north of State Highway 60, and 3.5 mi (5.6 km) north of Alturas.		1946-78	8-06-79	130
					8-09-79	127
Peace River	Charlotte Harbor	Lat 27°49'14, long 81°47'56", in SE¼ sec 34, T.31S., R.25E., Polk County, Hydrologic Unit 03100101, at bridge on S-640, 1.4 mi (2.3 km) east of Homeland.		1974	8-08-79	349
Payne Creek	Peace River	Lat 27°37'13, long 81°49'33", in SW¼ sec.9, T.33S., R.25E., Hardee County, Hydrologic Unit 03100101, at bridge on U.S. Highway 17, 0.4 mi (0.6 km) downstream from Little Payne Creek and 1.2 mi (1.9 km) south of Bowling Green.		1959, 56 1963-68	9-26-79	557
Hillsborough River Basin						
Hillsborough River	Hillsborough Bay	Lat 28°02'44, long 82°22'01", in SW¼ sec.13, T.28S., R.19E., Hillsborough County, Hydrologic Unit 03100205, at left bank 500 ft (152 m) downstream from Whiteway Avenue, 1.6 mi (2.1 km) northwest of Temple Terrace Junction, FL.		1967-68 1972-75	5-06-77	*71
					5-17-77	*59
					5-23-77	*63
					5-25-77	*70
					6-28-77	*58
					7-01-77	*56
					11-17-78	53
					11-28-78	60
					12-12-78	68
Tampa Bay and Coastal Areas						
Harney Bypass Canal	Tampa Bypass Canal	Lat 28°01'11", long 82°22'28", in NE¼ sec 26, T.28S., R.19E., Hillsborough County, Hydrologic Unit 03100206, 0.2 mi (0.3 km) upstream from control structure 161 on Harney Bypass Canal, and 1.5 mi (2.4 km) southwest of Temple Terrace, FL.			5-12-79	2070
					9-21-79	2070
					9-27-79	3110
North Land-fill Spring	Tampa Bypass Canal	Lat 28°01'03", long 82°19'58", in SW¼ sec 29, T.28S., R.20E., Hillsborough County, Hydrologic Unit 03100206, 0.7 mi (1.1 km) upstream from mouth, and 3.8 mi (6.1 km) east of Temple Terrace, FL.		1969-73 1976-77	7-17-79	1.5
Eureka Springs	Tampa Bypass Canal	Lat 28°00'22", long 82°20'38", in NW¼ sec 31, T.28S., R.20E., Hillsborough County, Hydrologic Unit 03100206, 0.6 mi (1.0 km) upstream from mouth, and 3.7 mi (6.0 km) southeast of Temple Terrace, FL.		1946,56 1958,60 1969-73	7-17-79	.11
Lettuce Lake Spring	Tampa Bypass Canal	Lat 28°01'05", long 82°21'01", in SW¼ sec 30, T.28S., R.20E., Hillsborough County, Hydrologic Unit 03100206, 0.4 mi (0.6 km) upstream from mouth, and 2.8 mi (4.5 km) east of Temple Terrace, FL.		1977-78	7-17-79	8.3

* Not previously published

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1979

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Dis- charge (cfs)
Coastal Area from Tampa Bay to Withlacoochee River						
Anclote River	Gulf of Mexico	Lat 28°13'17", long 82°38'05", in SE¼ sec 18, T.26S., R.17E., Pasco County, Hydrologic Unit 03100205, 1.6 mi (2.6 km) northwest of S-54, and 3.3 mi (5.3 km) northwest of Odessa, FL.		1971,74	9-05-79	155
Chassahowitza River	Gulf of Mexico	Lat 28°42'54", long 82°34'38", in SW¼ sec 26. T.20S., R.17E., Citrus County, Hydrologic Unit 03100207, on left bank just downstream from springs, 0.5 mi (0.8 km) upstream from Baird Creek, 4.9 mi (7.9 km) upstream from mouth, and 5.1 mi (8.2 km) southeast of Homosassa.		1931-33 1936,46 1956,61 1963 1964-78	5-18-79	110
Homosassa Springs	Homosassa River	Lat 28°47'58", long 82°35'20", in NE¼ sec 26, T.19S., R.17E., Citrus County, Hydrologic Unit 03100207, at foot bridge on nature trail in Homosassa Springs, 0.8 mi (1.3 km) west of town of Homosassa Springs and 2.1 mi (3.4 km) northwest of Homosassa.		1931-33 1936,46 1956,61 1963-78	5-02-79	108
Southeast Fork, Homosassa	Homosassa River	Lat 28°47'51", long 82°35'23", in NE¼ sec 28, T.19S., R.17E., Citrus County, Hydrologic Unit 03100207, at bridge on county road, 1.0 mi (1.6 km) southeast of town of Homosassa Springs, and 2.0 mi (3.2 km) northeast of Homosassa.		1932-33 1936,46 1956 1963-78	5-02-79	58.9

LAKE ELEVATIONS

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02268200 LAKE WALES AT LAKE WALES, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 106.52 ft (32.467 m) Sept. 30; minimum daily, 104.46 ft (31.839 m) May 4.

[illegible]

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269180 LAKE LIVINGSTON NEAR FROSTPROOF, FL

LOCATION.--Lat 27°40'45", long 81°32'22", in SE¼ sec.20, T.32 S., R.28 E., Polk County, Hydrologic Unit 03090101, on southwest shore of lake, in boat canal, 0.6 mi (1.0 km) east of Alternate U.S. Highway 27, and 4.6 mi (7.4 km) south of Frostproof.

SURFACE AREA.--1,192 acres (1.86 mi², 4.82 km²).

DRAINAGE AREA.--28.9 mi² (74.9 km²).

PERIOD OF RECORD.--July 1972 to current year (fragmentary).

GAGE.--Nonrecording gage. Datum of gage is 81.54 ft (24.853 m) corrected, National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is one of the Arbuckle Creek headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 88.74 ft (27.048 m) Aug. 5, 1974; minimum daily, 84.59 ft (25.783 m) May 1, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 86.13 ft (26.252 m) Nov. 6; minimum daily, 84.64 ft (25.798 m) Apr. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

Nov. 6	86.13	Apr. 24	84.64
Jan. 10	84.81	June 28	85.26
Mar. 7	85.40	Aug. 29	85.74

SOUTHERN FLORIDA

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KISSIMMEE RIVER BASIN

02269200 CROOKED LAKE NEAR BABSON PARK, FL

LOCATION.--Lat 27°49'39", long 81°33'12", in SE¼ sec.31, T.30 S., R.28 E., Polk County, Hydrologic Unit 03090101, on a peninsula point on the east shore near north end of lake, and 1.5 mi (2.4 km) west of Babson Park.

SURFACE AREA.--5,533 acres (8.65 mi², 22.39 km²).

DRAINAGE AREA.--31.3 mi² (81.1 km²).

PERIOD OF RECORD.--April 1945 to current year (weekly). Records of elevations prior to October 1960 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 100.00 ft (30.480 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Feb. 6, 1968, at site 0.2 mi (0.3 km) west at datum 15.71 ft (4.788 m) higher; Feb. 7, 1968, to Apr. 16, 1976, at same site at datum 15.71 ft (4.788 m) higher.

REMARKS.--Lake is one of the Arbuckle Creek headwaters chain of lakes. Lake level controlled by concrete control with removable boards.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 124.1 ft (37.83 m) about Sept. 11, 1960, from floodmark; minimum daily, 112.72 ft (34.357 m) May 27, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 116.13 ft (35.396 m) Sept. 30; minimum daily, 114.60 ft (34.930 m) Apr. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116.08	---	---	---	115.43	---	115.08	---	---	---	---	114.94
2	---	---	---	---	---	---	---	114.70	---	---	---	---
3	---	---	115.32	---	---	---	---	---	---	---	---	---
4	---	---	---	---	115.38	115.17	---	---	115.30	---	---	---
5	---	---	---	---	---	---	---	114.72	---	---	---	---
6	---	115.50	---	---	---	---	---	---	---	115.18	114.90	---
7	---	---	---	115.19	---	115.39	---	---	---	---	---	---
8	115.89	---	---	---	---	---	114.93	---	---	115.17	---	---
9	---	---	---	---	---	---	---	---	---	---	---	115.21
10	---	---	115.22	115.15	115.34	---	---	---	115.20	---	---	---
11	---	---	---	---	---	115.39	---	---	---	---	114.84	---
12	---	115.55	---	---	---	---	---	---	---	---	---	---
13	---	---	---	115.41	---	---	---	115.24	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	115.85	---	---	---	---	---	114.81	---	---	115.15	---	115.59
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	115.09	---	115.28	---	---	---	115.18	---	---	---
18	---	---	---	---	---	---	---	---	---	---	114.80	---
19	---	115.48	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	115.36	---	---	---	---
21	---	---	---	115.40	---	115.24	114.68	---	---	---	---	---
22	115.75	---	---	---	---	---	---	---	---	115.13	---	115.73
23	---	115.43	---	---	---	---	---	115.34	---	---	---	---
24	---	---	115.06	---	---	115.23	114.60	---	115.22	---	---	---
25	---	---	---	---	115.25	---	114.72	---	---	---	114.86	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	115.66	---	---	---	---	---	---	115.44	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	115.67	---	---	---	---	---	---	---	---	115.02	114.88	116.05
30	---	---	---	---	---	---	---	---	115.25	---	---	116.13
31	---	---	115.21	---	---	115.08	---	---	---	---	---	---

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269300 LAKE CLINCH AT FROSTPROOF, FL

LOCATION.--Lat 27°45'15", long 81°32'25", in SW¼ sec.29, T.31 S., R.28 E., Polk County, Hydrologic Unit 03090101, on north shore of lake, on private pier, and 0.9 mi (1.4 km) northwest of Frostproof.

SURFACE AREA.--1,194 acres (1.87 mi², 4.83 km²).

DRAINAGE AREA.--42.0 mi² (108.8 km²).

PERIOD OF RECORD.--January 1947 to December 1977 (weekly), incomplete; January 1978 to current year, incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 100.00 ft (30.480 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Sept. 13, 1953, at site 0.8 mi (1.3 km) southeast at same datum.

REMARKS.--Lake is one of the Arbuckle Creek headwater lakes. Outflow is to Reedy Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 110.2 ft (33.59 m) on or about Oct. 10, 1948, from floodmark; minimum daily, 102.10 ft (31.120 m) June 13, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 106.20 ft (32.370 m) Sept. 30; minimum daily, 103.89 ft (31.666 m) Apr. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104.50	---	---	---	104.42	104.30	104.22	103.95	104.98	104.89	104.89	104.80
2	104.50	---	---	104.11	104.40	104.30	104.20	103.95	104.99	104.92	104.87	---
3	104.50	---	---	104.12	104.40	104.29	104.19	103.94	104.99	104.94	104.86	---
4	104.50	---	---	104.11	104.39	104.29	---	103.93	104.98	104.95	104.85	---
5	104.51	---	---	104.09	104.38	104.30	104.17	103.92	---	104.95	104.83	---
6	104.52	104.35	---	104.06	104.37	104.44	104.16	---	104.93	104.95	104.82	105.16
7	104.54	---	---	104.04	104.38	104.48	104.13	103.95	104.91	104.95	104.78	105.17
8	104.54	---	---	104.03	104.38	104.50	104.12	104.10	104.89	104.95	104.79	105.15
9	104.60	---	---	104.00	104.38	104.50	---	104.30	104.88	---	104.83	105.15
10	104.60	---	---	104.00	104.37	104.50	104.07	104.71	104.85	---	104.80	105.18
11	104.60	---	---	103.99	104.36	104.50	104.05	104.72	104.83	---	104.80	105.20
12	104.60	---	---	104.19	104.35	104.49	104.03	104.80	104.83	---	104.81	---
13	104.60	---	---	---	104.35	104.48	104.02	104.80	104.88	---	104.80	105.42
14	104.60	---	---	104.30	104.34	104.46	104.02	104.82	104.88	---	104.80	105.48
15	104.60	---	---	104.29	104.32	104.46	104.00	104.87	104.90	---	104.79	105.62
16	104.60	---	---	104.29	104.32	104.44	103.99	104.90	104.94	---	104.78	105.69
17	---	---	---	104.29	104.32	104.41	103.98	104.91	104.91	105.10	104.77	105.68
18	---	---	---	104.29	104.31	104.40	103.96	104.89	104.89	105.09	104.76	105.68
19	---	---	---	104.29	104.30	104.40	103.95	104.87	104.87	105.09	104.75	105.68
20	---	---	---	104.29	104.30	104.38	103.94	104.86	104.85	105.09	104.75	105.68
21	---	---	---	---	104.30	104.38	103.91	104.85	104.84	105.09	104.76	105.68
22	---	---	---	104.32	104.30	104.37	103.91	104.84	104.83	105.09	104.76	---
23	---	---	---	104.30	104.30	104.36	103.91	104.83	104.94	105.10	104.76	105.78
24	---	---	---	104.48	---	104.36	103.89	---	104.94	105.10	104.76	105.85
25	---	---	---	104.47	---	104.34	103.90	---	104.94	---	104.76	105.88
26	---	---	---	104.46	104.32	104.31	---	105.10	104.93	---	104.78	105.95
27	---	---	---	104.45	104.31	104.28	---	105.01	104.91	104.96	104.78	106.15
28	---	---	---	104.45	104.31	104.27	103.92	105.00	104.89	104.95	104.77	106.17
29	---	---	---	104.44	---	104.26	103.94	105.00	104.88	104.94	104.74	106.19
30	---	---	---	104.43	---	104.24	103.94	105.00	104.92	104.93	104.73	106.20
31	---	---	---	104.42	---	104.22	---	105.00	---	104.91	104.80	---

KISSIMMEE RIVER BASIN

02269400 REEDY LAKE NEAR FROSTPROOF, FL

LOCATION.--Lat 27°43'39", long 81°28'21", in NE¼ sec.1, T.32 S., R.28 E., Polk County, Hydrologic Unit 03090101, on southeast shore of lake, on private pier, 0.6 mi (1.0 km) northeast of Reedy Creek, and 3.5 mi (5.6 km) southeast of Frostproof.

SURFACE AREA.--3,454 acres (5.40 mi², 13.98 km²).

DRAINAGE AREA.--60.9 mi² (157.7 km²).

PERIOD OF RECORD.--April 1945 to July 1946 (weekly); January 1947 to September 1971; October 1971 to current year (fragmentary). January 1947 to January 1967, records for Reedy Creek near Frostproof (sta 02269500). Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1966: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 76.05 ft (23.180 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Jan. 2, 1947, at site 2.5 mi (4.0 km) northwest at datum 9.93 ft (3.027 m) lower; Jan. 2, 1947, to Jan. 17, 1967, water-stage recorder at site 0.6 mi (1.0 km) southwest on Reedy Creek at present datum.

REMARKS.--Lake is one of the Arbuckle Creek headwaters chain of lakes. Lake level controlled by sandbar or concrete control with removable boards near head of Reedy Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 80.74 ft (24.610 m) Oct. 7, 1960; minimum daily, 76.89 ft (23.436 m) June 1, 2, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 78.56 ft (23.945 m) Mar. 7; minimum daily, 77.80 ft (23.713 m) Apr. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

Nov. 6	78.17	Apr. 24	77.80
Jan. 12	78.39	June 28	78.47
Mar. 7	78.56	Aug. 29	78.52

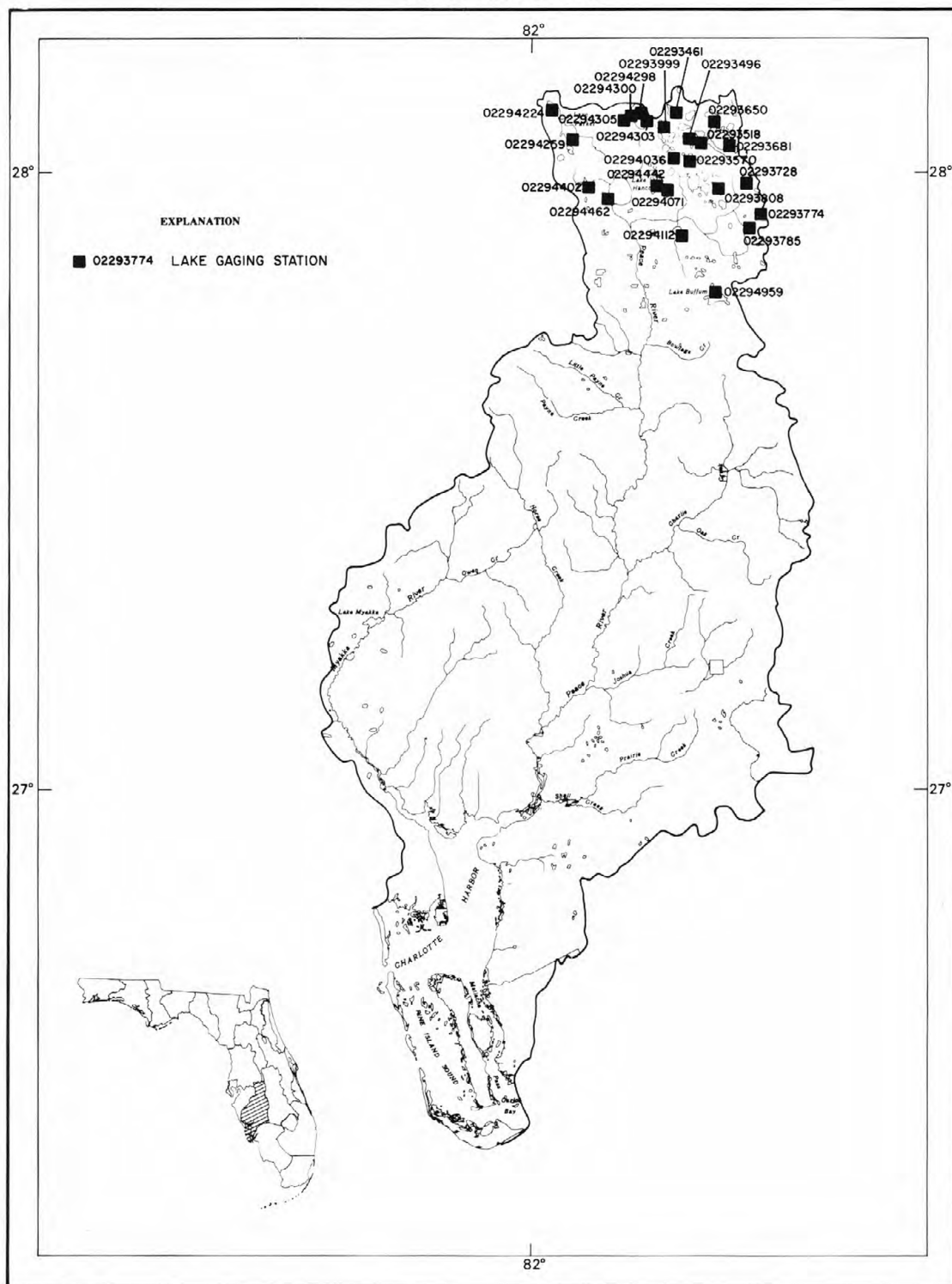


Figure 8. Location of lake gaging stations in the Peace and Myakka River basins, Charlotte Harbor and coastal area.

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02293461 LAKE ALFRED AT LAKE ALFRED, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 127.00 ft (38.710 m) Sept. 28, occurred on rise preceding crest of Oct. 5, 1979; minimum daily, 124.16 ft (37.844 m) Dec. 19.

[illegible]

PEACE RIVER BASIN

02293496 LAKE SMART NEAR FLORENCE VILLA, FL

LOCATION.--Lat 28°03'08", Long 81°42'38", in NW¼ sec.15, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on south shore of lake, 0.4 mi (0.6 km) southwest of Smart-Fannie Canal, 0.6 mi (1.0 km) north of junction Avenue T NE and 11th Street NE, and 1.2 mi (1.9 km) northeast of Florence Villa.

SURFACE AREA.--279 acres (0.44 mi², 1.13 km²).

DRAINAGE AREA.--17.9 mi² (46.4 km²).

PERIOD OF RECORD.--March 1946 to June 1948; February 1951 to January 1954 (fragmentary); April 1966 to current year. Records of elevations prior to April 1966 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 120.00 ft (36.576 m) National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark); gage readings have been reduced to elevations NGVD. Prior to January 1954, periodic stage observations at site 500 ft (150 m) east, at present datum. Apr. 26, 1966, to Apr. 26, 1967, water-stage recorder on Smart-Fannie Canal at structure P-6, 0.2 mi (0.3 km) downstream from outlet of Lake Smart at present datum.

REMARKS.--Lake is in headwaters of Peace River and is connected by outlet to Lake Fannie. Since Nov. 8, 1965, lake level controlled by structure P-6.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 129.32 ft (39.417 m) Aug. 25, 1966 (affected by wind); minimum, 125.83 ft (38.353 m) May 7, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 128.81 ft (39.261 m) Sept. 27; minimum, 127.00 ft (38.710 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127.73	127.42	127.16	127.25	127.73	127.74	127.73	127.40	128.06	127.71	128.03	128.28
2	127.72	127.40	127.19	127.30	127.72	127.74	127.72	127.41	128.06	127.69	128.01	128.27
3	127.71	127.37	127.16	127.33	127.71	127.74	127.71	127.40	128.04	127.69	128.02	128.29
4	127.70	127.34	127.17	127.31	127.71	127.75	127.70	127.38	128.01	127.76	128.11	128.38
5	127.70	127.32	127.17	127.31	127.71	127.77	127.70	127.38	127.98	127.85	128.17	128.35
6	127.68	127.31	127.16	127.31	127.71	127.86	127.69	127.38	127.97	127.85	128.26	128.33
7	127.66	127.31	127.16	127.30	127.73	127.93	127.66	127.50	127.96	127.97	128.28	128.29
8	127.63	127.32	127.16	127.34	127.75	127.93	127.65	127.67	127.94	128.00	128.31	128.25
9	127.61	127.32	127.15	127.34	127.75	127.94	127.63	127.98	127.92	128.00	128.29	128.24
10	127.59	127.32	127.14	127.33	127.73	127.93	127.62	128.03	127.90	127.99	128.29	128.30
11	127.58	127.32	127.12	127.32	127.73	127.93	127.61	128.06	127.89	128.00	128.38	128.37
12	127.57	127.31	127.10	127.50	127.72	127.93	127.59	128.30	127.88	128.00	128.44	128.38
13	127.57	127.30	127.08	127.61	127.72	127.92	127.58	128.33	127.88	127.99	128.48	128.38
14	127.57	127.29	127.07	127.62	127.71	127.92	127.57	128.53	127.87	128.01	128.48	128.37
15	127.56	127.29	127.05	127.62	127.71	127.91	127.56	128.58	127.85	128.01	128.42	128.38
16	127.53	127.28	127.05	127.61	127.71	127.90	127.54	128.53	127.83	128.05	128.37	128.42
17	127.51	127.27	127.05	127.62	127.72	127.89	127.51	128.50	127.81	128.09	128.33	128.41
18	127.49	127.27	127.04	127.62	127.72	127.88	127.49	128.45	127.80	128.11	128.29	128.37
19	127.48	127.27	127.03	127.62	127.72	127.88	127.48	128.40	127.78	128.11	128.25	128.33
20	127.48	127.26	127.03	127.62	127.71	127.87	127.44	128.36	127.76	128.10	128.21	128.32
21	127.47	127.25	127.02	127.68	127.70	127.86	127.42	128.32	127.74	128.11	128.18	128.38
22	127.46	127.24	127.02	127.68	127.71	127.85	127.38	128.28	127.73	128.11	128.20	128.56
23	127.45	127.23	127.01	127.67	127.71	127.84	127.35	128.24	127.72	128.15	128.21	128.61
24	127.44	127.22	127.02	127.77	127.72	127.85	127.35	128.25	127.71	128.19	128.21	128.62
25	127.42	127.21	127.05	127.76	127.70	127.83	127.41	128.30	127.70	128.17	128.25	128.56
26	127.41	127.18	127.04	127.75	127.70	127.81	127.42	128.25	127.68	128.14	128.26	128.68
27	127.40	127.17	127.04	127.75	127.75	127.79	127.41	128.20	127.66	128.12	128.27	128.73
28	127.42	127.17	127.20	127.76	127.70	127.77	127.40	128.17	127.65	128.11	128.28	128.79
29	127.45	127.16	127.24	127.74	---	127.76	127.39	128.14	127.67	128.09	128.27	128.76
30	127.44	127.16	127.25	127.73	---	127.75	127.38	128.11	127.73	128.08	128.26	128.74
31	127.43	---	127.25	127.74	---	127.74	---	128.08	---	128.05	128.26	---
MEAN	127.54	127.28	127.11	127.55	127.72	127.85	127.54	128.06	127.84	128.01	128.26	128.44
MAX	127.73	127.42	127.25	127.75	127.75	127.94	127.73	128.58	128.06	128.19	128.48	128.79
MIN	127.40	127.16	127.01	127.25	127.70	127.74	127.35	127.38	127.65	127.69	128.01	128.24

CAL YR 1978 MEAN 127.68 MAX 128.17 MIN 127.01
WTR YR 1979 MEAN 127.77 MAX 128.79 MIN 127.01

PEACE RIVER BASIN

02293518 LAKE FANNIE NEAR FLORENCE VILLA, FL

LOCATION.--Lat 28°03'08", long 81°41'03", in NE 1/4 sec. 14, T. 28 S., R. 26 E., Polk County, Hydrologic Unit 03100101, on east shore of lake, 0.2 mi (0.3 km) north of outlet of lake, 0.4 mi (0.6 km) north of Buckeye Road, and 2.6 mi (4.2 km) east of Florence Villa.

SURFACE AREA.--833 acres (1.30 mi², 3.37 km²).

DRAINAGE AREA.--24.7 mi² (64.0 km²).

PERIOD OF RECORD.--April 1967 to current year. Records for April to September 1966, published in WRD FL 1967 are in error and should not be used.

REVISED RECORDS.--WRD FL 1969: 1967, 1968(M). WRD FL 1972: 1970, 1971(M), gage datum. WDR FL-78-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft (30.480 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Feb. 11, 1976, at site 0.8 mi (1.3 km) southwest of present site at datum 20.00 ft (6.096 m) higher, corrected.

REMARKS.--Lake is in a chain of lakes in the headwaters of Peace River. There are numerous concrete structures controlling lake levels.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 125.65 ft (38.298 m) Nov. 14, 1969; minimum, 118.51 ft (36.122 m) May 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 125.43 ft (38.231 m) Sept. 29, 30; minimum, 123.25 ft (37.567 m) Apr. 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124.05	123.80	123.52	123.49	123.89	123.83	123.72	123.28	124.20	124.12	124.04	124.76
2	124.04	123.78	123.53	123.54	123.88	123.82	123.71	123.28	124.15	124.11	124.03	124.78
3	124.02	123.76	123.52	123.57	123.88	123.82	123.69	123.28	124.15	124.10	124.03	124.83
4	124.01	123.74	123.51	123.54	123.87	123.82	123.68	123.30	124.15	124.15	124.09	124.97
5	124.01	123.73	123.51	123.54	123.87	123.85	123.67	123.28	124.20	124.23	124.19	124.98
6	123.99	123.72	123.50	123.53	123.87	123.93	123.66	123.30	124.20	124.24	124.36	125.01
7	123.97	123.71	123.50	123.53	123.89	124.00	123.63	123.35	124.15	124.28	124.38	124.96
8	123.93	123.73	123.48	123.55	123.90	124.00	123.60	123.55	124.15	124.27	124.41	124.93
9	123.91	123.72	123.48	123.55	123.90	124.00	123.58	123.90	124.15	124.27	124.43	124.89
10	123.90	123.72	123.46	123.54	123.88	123.99	123.57	124.05	124.10	124.25	124.48	124.87
11	123.89	123.71	123.43	123.53	123.87	123.99	123.55	124.10	124.10	124.23	124.62	124.85
12	123.88	123.70	123.42	123.69	123.87	123.98	123.53	124.20	124.10	124.22	124.71	124.83
13	123.88	123.69	123.40	123.82	123.86	123.97	123.51	124.30	124.05	124.21	124.78	124.89
14	123.87	123.68	123.39	123.83	123.86	123.96	123.51	124.50	124.05	124.20	124.82	124.97
15	123.86	123.67	123.38	123.82	123.85	123.95	123.49	124.55	124.05	124.19	124.89	124.99
16	123.83	123.66	123.37	123.81	123.85	123.93	123.46	124.45	124.05	124.22	125.01	125.01
17	123.81	123.66	123.37	123.81	123.84	123.91	123.43	124.35	124.05	124.13	125.06	125.01
18	123.79	123.65	123.35	123.81	123.84	123.90	123.41	124.30	124.05	124.02	125.02	125.00
19	123.78	123.64	123.34	123.82	123.83	123.90	123.38	124.30	124.00	124.00	125.01	124.95
20	123.78	123.63	123.34	123.82	123.82	123.90	123.36	124.25	124.00	123.99	125.00	124.90
21	123.78	123.62	123.33	123.87	123.81	123.88	123.33	124.20	124.00	123.99	125.02	124.93
22	123.76	123.61	123.33	123.86	123.81	123.87	123.29	124.20	124.00	123.99	125.01	125.13
23	123.75	123.59	123.32	123.86	123.81	123.86	123.26	124.20	123.95	124.00	124.99	125.23
24	123.74	123.58	123.32	123.94	123.82	123.86	123.26	124.25	123.95	124.04	124.96	125.27
25	123.72	123.57	123.34	123.93	123.85	123.84	123.33	124.35	124.00	124.05	124.93	125.28
26	123.71	123.55	123.33	123.92	123.87	123.81	123.34	124.30	124.05	124.07	124.90	125.29
27	123.70	123.53	123.32	123.92	123.84	123.80	123.33	124.30	124.06	124.10	124.87	125.33
28	123.74	123.52	123.39	123.93	123.83	123.78	123.31	124.25	124.06	124.10	124.81	125.38
29	123.83	123.51	123.39	123.91	---	123.76	123.29	124.25	124.06	124.09	124.72	125.40
30	123.83	123.51	123.45	123.90	---	123.75	123.28	124.20	124.10	124.08	124.70	125.43
31	123.82	---	123.49	123.91	---	123.73	---	124.20	---	124.06	124.71	---
MEAN	123.86	123.66	123.41	123.74	123.86	123.88	123.47	124.02	124.08	124.13	124.68	125.04
MAX	124.05	123.80	123.53	123.94	123.90	124.00	123.72	124.55	124.20	124.28	125.06	125.43
MIN	123.70	123.51	123.32	123.49	123.81	123.73	123.26	123.28	123.95	123.99	124.03	124.76

CAL YR 1978 MEAN 123.03 MAX 124.27 MIN 121.18
WTR YR 1979 MEAN 123.99 MAX 125.43 MIN 123.26

NOTE.--Record estimated May 3 to June 26.

02293650 LAKE HENRY NEAR HAINES CITY, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 125.88 ft (38.368 m) Sept. 27, 28; minimum, 123.60 ft (37.673 m) Dec. 24 (from minimum tape indicator).

YR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124.52	124.20	123.79	123.78	124.32	124.33	124.31	123.95	124.82	124.59	124.94	125.50
2	124.51	124.18	123.82	123.81	124.30	124.33	124.30	123.95	124.83	124.58	124.95	125.46
3	124.50	124.16	123.83	123.85	124.29	124.32	124.29	123.93	124.83	124.57	124.94	125.43
4	124.49	124.13	123.85	123.88	124.28	124.33	124.28	123.92	124.82	124.65	124.96	125.45
5	124.47	124.11	123.83	123.88	124.29	124.38	124.27	123.91	124.82	124.74	125.03	125.41
6	124.46	124.10	123.80	123.89	124.30	124.47	124.26	123.90	124.81	124.75	125.20	125.45
7	124.44	124.10	123.78	123.89	124.32	124.55	124.23	123.96	124.79	124.81	125.22	125.46
8	124.41	124.10	123.78	123.90	124.34	124.54	124.19	124.15	124.78	124.81	125.27	125.46
9	124.38	124.08	123.76	123.90	124.34	124.56	124.17	124.52	124.76	124.82	125.27	125.53
10	124.36	124.07	123.74	124.00	124.32	124.56	124.16	124.67	124.75	124.80	125.29	125.61
11	124.40	124.05	123.72	124.10	124.31	124.56	124.14	124.72	124.74	124.80	125.38	125.53
12	124.39	124.03	123.71	124.13	124.30	124.55	124.12	124.81	124.73	124.80	125.45	125.56
13	124.38	124.03	123.70	124.15	124.30	124.54	124.10	124.85	124.74	124.83	125.45	125.51
14	124.39	124.01	123.70	124.17	124.29	124.54	124.09	125.14	124.73	124.83	125.37	125.47
15	124.38	124.00	123.69	124.19	124.28	124.54	124.08	125.22	124.72	124.83	125.40	125.52
16	124.35	123.97	123.68	124.20	124.28	124.51	124.06	125.05	124.71	124.86	125.42	125.66
17	124.33	123.93	123.67	124.20	124.31	124.50	124.03	125.00	124.70	124.90	125.43	125.66
18	124.31	123.90	123.67	124.21	124.28	124.49	124.00	124.93	124.69	124.91	125.43	125.58
19	124.30	123.89	123.66	124.22	124.28	124.48	123.98	124.88	124.67	124.92	125.43	125.49
20	124.29	123.88	123.65	124.22	124.27	124.48	123.94	124.84	124.66	124.93	125.42	125.43
21	124.29	123.87	123.64	124.23	124.25	124.47	123.91	124.82	124.64	124.96	125.42	125.48
22	124.28	123.87	123.63	124.24	124.26	124.46	123.88	124.82	124.63	124.97	125.41	125.74
23	124.27	123.86	123.61	124.25	124.26	124.44	123.86	124.81	124.62	124.98	125.41	125.82
24	124.25	123.85	123.60	124.26	124.29	124.45	123.86	124.85	124.65	124.99	125.44	125.80
25	124.23	123.85	123.62	124.27	124.35	124.43	123.93	124.94	124.64	125.00	125.49	125.76
26	124.21	123.83	123.64	124.28	124.35	124.41	123.94	124.91	124.62	124.99	125.49	125.77
27	124.20	123.81	123.67	124.29	124.33	124.38	123.93	124.87	124.60	124.99	125.51	125.80
28	124.20	123.78	123.68	124.30	124.33	124.37	123.92	124.87	124.60	124.98	125.55	125.85
29	124											

PEACE RIVER BASIN

02293670 LAKE OTIS AT WINTER HAVEN, FL

LOCATION.--Lat 28°01'00", long 81°42'52", in SE¼ sec.28, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on west shore of lake, and 1.0 mi (1.6 km) east of Winter Haven.

SURFACE AREA.--144 acres (0.22 mi², 0.57 km²).

DRAINAGE AREA.--1.00 mi² (2.59 km²).

PERIOD OF RECORD.--August 1954 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Water-stage recorder. Datum of gage is 120.00 ft (36.576 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Apr. 5, 1974, at sites on northeast shore of lake, 1,800 ft (550 m) northeast at present datum.

REMARKS.--Lake is one of the Peace River headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 129.18 ft (39.374 m) Sept. 10, 1960; minimum, 119.56 ft (36.442 m) May 15, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 127.61 ft (38.896 m) Sept. 30, stage rising; minimum, 123.05 ft (37.506 m) May 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124.14	123.93	123.57	123.50	123.98	123.96	123.70	123.10	124.13	124.38	125.11	126.03
2	124.13	123.90	123.57	123.55	123.97	123.96	123.60	123.10	124.12	124.37	125.16	126.04
3	124.12	123.88	123.56	123.57	123.97	123.96	123.50	123.10	124.11	124.37	125.15	126.10
4	124.11	123.85	123.55	123.55	123.97	123.96	123.42	123.08	124.10	124.48	125.16	126.29
5	124.10	123.84	123.55	123.54	123.97	123.98	123.50	123.07	124.08	124.76	125.20	126.31
6	124.09	123.82	123.54	123.54	123.97	124.05	123.60	123.08	124.07	124.77	125.31	126.34
7	124.07	123.82	123.54	123.54	123.99	124.12	123.62	123.30	124.05	124.78	125.37	126.35
8	124.04	123.83	123.53	123.56	124.00	124.10	123.60	123.46	124.03	124.78	125.47	126.36
9	124.02	123.83	123.52	123.55	123.99	124.10	123.60	123.76	124.01	124.79	125.48	126.35
10	124.00	123.82	123.49	123.54	123.98	124.12	123.50	123.87	123.98	124.78	125.49	126.40
11	123.99	123.81	123.46	123.54	123.98	124.10	123.50	123.89	123.96	124.80	125.56	126.48
12	124.00	123.80	123.44	123.76	123.97	124.10	123.50	123.98	123.99	124.80	125.63	126.54
13	124.00	123.79	123.41	123.88	123.97	124.10	123.40	123.99	124.14	124.83	125.67	126.55
14	124.00	123.78	123.40	123.89	123.96	124.10	123.40	124.06	124.12	124.94	125.72	126.59
15	123.99	123.78	123.38	123.88	123.96	124.10	123.40	124.12	124.10	124.94	125.74	126.66
16	123.97	123.77	123.37	123.88	123.96	124.10	123.30	124.12	124.09	124.94	125.76	126.74
17	123.95	123.76	123.35	123.88	123.95	124.06	123.30	124.11	124.07	124.97	125.76	126.75
18	123.93	123.74	123.34	123.88	123.95	124.00	123.30	124.09	124.06	125.01	125.77	126.75
19	123.92	123.72	123.33	123.88	123.94	124.00	123.20	124.07	124.04	125.04	125.81	126.75
20	123.91	123.71	123.32	123.88	123.94	124.00	123.20	124.06	124.02	125.05	125.81	126.75
21	123.90	123.69	123.30	123.94	123.93	124.00	123.18	124.06	124.01	125.06	125.80	126.80
22	123.89	123.67	123.29	123.93	123.93	124.00	123.20	124.05	124.00	125.07	125.82	127.03
23	123.87	123.65	123.27	123.90	123.93	124.00	123.20	124.05	123.98	125.10	125.89	127.12
24	123.86	123.64	123.28	124.02	123.93	123.98	123.10	124.08	123.97	125.15	125.90	127.16
25	123.84	123.61	123.30	124.01	123.98	124.00	123.10	124.16	123.95	125.15	125.91	127.22
26	123.82	123.59	123.30	124.01	123.98	123.90	123.10	124.14	123.93	125.14	125.91	127.42
27	123.80	123.57	123.29	124.01	123.97	123.90	123.08	124.14	123.96	125.14	125.94	127.50
28	123.85	123.57	123.46	124.01	123.96	123.90	123.07	124.13	124.02	125.13	125.98	127.56
29	123.95	123.56	123.50	124.00	---	123.90	123.10	124.13	124.13	125.13	125.98	127.58
30	123.95	123.55	123.51	123.99	---	123.80	123.10	124.13	124.35	125.12	125.98	127.60
31	123.94	---	123.50	124.00	---	123.82	---	124.13	---	125.11	126.00	---
MEAN	123.97	123.74	123.43	123.79	123.96	124.01	123.35	123.83	124.05	124.90	125.65	126.74
MAX	124.14	123.93	123.57	124.02	124.00	124.12	123.70	124.16	124.35	125.15	126.00	127.60
MIN	123.80	123.55	123.27	123.50	123.93	123.30	123.07	123.07	123.93	124.37	125.11	126.03

CAL YR 1978 MEAN 123.65 MAX 124.36 MIN 122.88
WTR YR 1979 MEAN 124.29 MAX 127.60 MIN 123.07

NOTE.--Record estimated Mar. 7 to May 3.

PEACE RIVER BASIN

02293681 LAKE HAMILTON NEAR LAKE HAMILTON, FL

LOCATION.--Lat 28°01'54", long 81°38'42", in SE¼ sec.19, T.28 S., R.27 E., Polk County, Hydrologic Unit 03100101, on right bank of Lake Hamilton Outlet, 100 ft (30 m) upstream from control structure P-8, 0.2 mi (0.3 km) downstream from lake, 1.2 mi (1.9 km) southwest of town of Lake Hamilton, and 1.3 mi (2.1 km) northwest of Dundee.

SURFACE AREA.--2,170 acres (3.39 mi², 8.78 km²).

DRAINAGE AREA.--20.5 mi² (53.1 km²).

PERIOD OF RECORD.--June 1945 to January 1963 (weekly), incomplete; February 1963 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey. Since February 1963, records for Lake Hamilton Outlet at structure P-8, near Lake Hamilton.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Water-stage recorder. Datum of gage is 115.00 ft (35.052 m) National Geodetic Vertical Datum of 1929 (Peace River Valley Water Conservation and Drainage District reference mark); gage readings have been reduced to elevations NGVD. See WDR FL-75-3 for history of changes prior to Mar. 20, 1975.

REMARKS.--Lake is in headwaters of Peace River and is connected by outlet to Peace Creek drainage canal. Since July 20, 1962, lake level controlled by structure P-8. Prior to July 20, 1962, lake level partly controlled by a concrete dam with removable boards in former outlet.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 124.34 ft (37.899 m) Oct. 3, 1948; minimum elevation, 116.89 ft (35.628 m) June 1, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 122.04 ft (37.198 m) Sept. 30, stage rising; minimum, 119.85 ft (36.530 m) Dec. 24.

ELEVATION* IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120.50	120.36	120.01	120.12	120.55	120.54	120.33	120.20	120.75	120.05	120.15	120.61
2	120.50	120.35	120.01	120.18	120.53	120.54	120.30	120.20	120.72	120.04	120.18	120.64
3	120.49	120.32	120.02	120.21	120.52	120.53	120.22	120.19	120.67	120.03	120.17	120.77
4	120.48	120.29	120.04	120.19	120.51	120.55	120.14	120.19	120.61	120.11	120.21	120.89
5	120.46	120.27	120.06	120.16	120.52	120.60	120.30	120.18	120.53	120.16	120.27	120.98
6	120.45	120.26	120.07	120.16	120.51	120.69	120.43	120.17	120.47	120.16	120.44	121.03
7	120.44	120.26	120.07	120.15	120.53	120.75	120.40	120.21	120.41	120.18	120.52	121.04
8	120.40	120.29	120.06	120.18	120.55	120.74	120.40	120.31	120.35	120.17	120.61	121.04
9	120.37	120.28	120.05	120.20	120.55	120.75	120.40	120.54	120.31	120.20	120.58	121.05
10	120.36	120.28	120.06	120.18	120.53	120.75	120.40	120.65	120.25	120.18	120.58	121.12
11	120.36	120.27	120.02	120.16	120.52	120.75	120.30	120.67	120.19	120.16	120.65	121.20
12	120.39	120.26	120.02	120.34	120.51	120.74	120.30	120.72	120.19	120.15	120.69	121.23
13	120.40	120.25	119.99	120.46	120.51	120.72	120.33	120.74	120.24	120.15	120.72	121.26
14	120.40	120.24	119.97	120.49	120.50	120.72	120.30	120.84	120.22	120.15	120.75	121.27
15	120.41	120.24	119.95	120.50	120.49	120.72	120.30	120.96	120.21	120.13	120.73	121.27
16	120.37	120.23	119.95	120.48	120.49	120.70	120.30	121.01	120.18	120.17	120.72	121.36
17	120.35	120.22	119.95	120.48	120.51	120.68	120.20	121.03	120.17	120.21	120.72	121.34
18	120.34	120.21	119.93	120.49	120.49	120.67	120.20	121.01	120.15	120.25	120.71	121.32
19	120.32	120.21	119.92	120.49	120.49	120.66	120.20	120.98	120.14	120.25	120.73	121.32
20	120.32	120.20	119.92	120.47	120.48	120.65	120.17	120.97	120.11	120.25	120.72	121.30
21	120.31	120.19	119.91	120.52	120.46	120.63	120.20	120.95	120.11	120.25	120.69	121.32
22	120.30	120.17	119.92	120.52	120.47	120.59	120.20	120.92	120.10	120.24	120.66	121.52
23	120.29	120.17	119.90	120.51	120.47	120.56	120.20	120.87	120.08	120.24	120.67	121.54
24	120.27	120.16	119.91	120.57	120.50	120.55	120.20	120.88	120.07	120.24	120.68	121.51
25	120.26	120.11	119.95	120.59	120.56	120.53	120.20	120.92	120.06	120.24	120.70	121.56
26	120.24	120.07	119.94	120.57	120.60	120.51	120.20	120.89	120.04	120.23	120.67	121.66
27	120.24	120.04	119.95	120.56	120.57	120.50	120.16	120.86	120.03	120.22	120.65	121.76
28	120.28	120.03	120.09	120.59	120.55	120.48	120.20	120.84	120.03	120.20	120.66	121.90
29	120.37	120.02	120.13	120.57	---	120.46	120.20	120.81	120.04	120.18	120.64	121.98
30	120.38	120.02	120.13	120.55	---	120.41	120.20	120.78	120.07	120.17	120.60	122.03
31	120.38	---	120.12	120.56	---	120.36	---	120.77	---	120.15	120.58	---
MEAN	120.37	120.21	120.00	120.39	120.52	120.61	120.26	120.69	120.25	120.18	120.58	121.29
MAX	120.50	120.36	120.13	120.59	120.60	120.75	120.43	121.03	120.75	120.25	120.75	122.03
MIN	120.24	120.02	119.90	120.12	120.46	120.36	120.14	120.17	120.03	120.03	120.15	120.61

CAL YR 1978 MEAN 120.03 MAX 120.74 MIN 118.94
WTR YR 1979 MEAN 120.45 MAX 122.03 MIN 119.90

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02293728 LAKE ANNIE AT WAVERLY, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 115.04 ft (35.064 m) Sept. 29; minimum daily, 112.36 ft (34.247 m) Dec. 22.

[illegible]

PEACE RIVER BASIN

02293774 MOUNTAIN LAKE NEAR LAKE WALES, FL

LOCATION.--Lat 27°56'01", long 81°34'59", in NE¼ sec.26, T.29 S., R.27 E., Polk County, Hydrologic Unit 03100101, on east shore of lake, on private dock in small cove, and 2.0 mi (3.2 km) north of city of Lake Wales.

SURFACE AREA.--158 acres (0.25 mi², 0.64 km²).

DRAINAGE AREA.--2.30 mi² (5.96 km²).

PERIOD OF RECORD.--April 1945 to September 1976 (weekly), incomplete; October 1976 to current year (twice weekly). Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 107.76 ft (32.845 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is landlocked. Elevation of lake affected occasionally by pumpage into the lake from deep wells or pumpage out of the lake for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 119.66 ft (36.472 m) Oct. 7, 10, 1960; minimum daily, 106.62 ft (32.498 m) June 9, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 112.12 ft (34.174 m) May 15; minimum daily, 110.24 ft (33.601 m) Aug. 31.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	111.02	---	---	---	---	111.18	111.56	---	---	---
2	---	---	---	111.42	111.16	110.92	---	---	---	---	---	---
3	110.54	111.46	---	---	---	---	111.76	111.12	---	111.26	110.62	---
4	---	---	---	111.37	---	---	---	111.14	---	---	---	110.52
5	---	---	110.86	111.34	---	---	---	---	111.46	---	---	---
6	110.68	---	---	---	111.12	110.94	111.70	---	---	111.16	---	110.66
7	---	111.54	---	---	---	---	---	---	---	---	110.58	110.76
8	---	111.62	110.76	---	---	---	---	111.54	111.44	---	---	---
9	---	---	---	111.22	111.04	111.10	---	---	---	---	---	---
10	110.76	111.68	---	---	---	---	111.45	---	---	111.12	110.52	---
11	---	---	---	---	---	---	---	112.02	---	---	---	110.76
12	---	---	110.76	111.30	---	---	---	---	111.12	---	---	---
13	110.90	---	---	---	110.92	111.26	111.14	---	---	111.06	---	---
14	---	111.78	---	---	---	---	---	---	---	---	110.62	110.80
15	---	---	110.80	---	---	---	---	112.12	111.56	---	---	---
16	---	---	---	111.38	110.96	111.36	---	---	---	---	---	---
17	111.06	111.70	---	---	---	---	110.88	---	---	110.96	110.62	---
18	---	---	---	---	---	---	---	112.02	---	---	---	111.14
19	---	---	110.94	111.40	---	---	---	---	---	---	---	---
20	111.14	---	---	---	110.90	111.52	110.72	---	---	110.88	---	---
21	---	111.50	---	---	---	---	---	---	---	---	110.54	111.12
22	---	---	111.00	---	---	---	---	111.86	111.32	---	---	---
23	---	---	---	111.30	110.96	111.60	---	---	---	---	---	---
24	111.26	111.36	---	---	---	---	110.72	---	---	110.94	110.52	---
25	---	---	---	---	---	---	---	111.86	---	---	---	111.40
26	---	---	111.24	111.32	110.97	---	---	---	111.40	---	---	---
27	111.30	---	---	---	110.94	111.68	110.94	---	---	110.84	---	---
28	---	111.16	---	---	---	---	---	---	---	---	110.50	111.72
29	---	---	111.50	---	---	---	---	111.66	111.32	---	---	---
30	---	---	---	111.20	---	111.72	---	---	---	---	---	---
31	111.40	---	---	---	---	---	---	---	---	110.76	110.24	---

02293785 LAKE EFFIE AT LAKE WALES, FL

DRAINAGE AREA.--2.51 mi² (6.50 km²).

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 115.10 ft (35.082 m) Sept. 26; minimum daily, 113.74 ft (34.668 m) Nov. 8.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

[illegible]

02293808 LAKE RUBY NEAR WAVERLY, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 125.34 ft (38.204 m) Sept. 30; minimum daily, 122.30 ft (37.277 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

[illegible]

PEACE RIVER BASIN

02293999 LAKE MARIANA NEAR AUBURNDALE, FL

LOCATION.--Lat 28°04'10", long 81°45'20", in SW¼ sec.6, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on southeast shore of lake, on private dock, and 2.2 mi (3.5 km) east of Auburndale.

SURFACE AREA.--500 acres (0.78 mi², 2.02 km²).

DRAINAGE AREA.--2.85 mi² (7.38 km²).

PERIOD OF RECORD.--February 1946 to current year (weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 120.00 ft (36.576 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Dec. 6, 1949, at site 1,800 ft (550 m) southwest at present datum; Dec. 6, 1949, to Mar. 5, 1951, at present site at datum 2.00 ft (0.610 m) lower.

REMARKS.--Lake level is controlled by a concrete dam with removable boards at outlet on south shore of lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 138.58 ft (42.239 m) Sept. 15, 1960; minimum daily, 133.90 ft (40.813 m) July 1, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 137.28 ft (41.843 m) Sept. 30; minimum daily, 135.74 ft (41.374 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	136.01	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	136.04	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	136.87
8	136.20	136.02	135.88	136.06	136.40	136.50	136.12	---	136.56	---	136.58	136.86
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	136.56	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	136.10	135.96	135.76	136.34	136.34	136.44	136.06	137.14	---	136.72	136.82	---
17	---	---	---	---	---	---	---	---	---	---	---	137.00
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	137.10
24	136.06	---	135.74	136.48	136.32	136.38	135.90	136.94	136.30	136.74	136.68	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	135.86	---	---	136.36	---	---	---	136.25	---	---	---
28	---	---	---	---	136.48	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	135.96	---	---	---	---	135.96	---	136.40	---	---	137.28
31	136.08	---	135.98	136.40	---	136.26	---	136.72	---	136.56	136.66	---

PEACE RIVER BASIN

02294071 LAKE MCLEOD AT EAGLE LAKE, FL

LOCATION.--Lat 27°58'28", long 81°45'10", in SW¼ sec.7, T.29 S., R.26 E., Polk County, Hydrologic Unit 03100101, on north shore of lake, 0.4 mi (0.6 km) southeast of town of Eagle Lake.

SURFACE AREA.--488 acres (0.76 mi², 1.97 km²).

DRAINAGE AREA.--1.50 mi² (3.88 km²).

PERIOD OF RECORD.--March to May 1965; June to August 1965 (twice weekly); September 1965 to February 1966 (fragmentary); March to September 1966; September 1969 to December 1971; January 1972 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 114.76 ft (34.978 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. See WDR FL-76-3 for history of changes prior to Oct. 12, 1972.

REMARKS.--Lake is in the headwaters of Peace River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 123.54 ft (37.655 m) Aug. 23, 1966; minimum daily, 115.11 ft (35.086 m) May 12, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 121.31 ft (36.975 m) Sept. 8; minimum daily, 119.10 ft (36.302 m) Dec. 16.

ELEVATION* IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	119.40	---	---	---	---	---	---	---	---	---	121.06
2	---	---	119.24	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	119.24	---	---	---	---
4	119.71	119.36	---	---	---	---	119.58	---	---	120.03	---	---
5	---	---	---	119.28	---	---	---	119.21	---	---	---	---
6	---	---	---	119.28	---	---	---	---	---	---	---	---
7	119.64	---	---	---	119.74	119.76	119.51	---	---	120.11	---	121.30
8	---	119.35	---	---	---	---	---	---	---	---	---	121.31
9	---	119.38	119.24	---	---	---	---	119.66	---	---	---	---
10	---	---	---	119.28	119.70	119.76	---	---	---	---	---	---
11	119.64	119.30	---	---	---	---	119.46	---	---	120.11	---	---
12	---	---	---	---	---	---	---	119.86	---	---	---	---
13	---	---	119.16	119.58	---	---	---	---	---	---	---	---
14	119.60	---	---	---	---	119.73	119.41	---	---	120.22	---	---
15	---	119.27	---	---	---	---	---	---	---	---	---	---
16	---	---	119.10	---	---	---	---	120.03	---	---	---	---
17	---	---	---	119.57	119.68	119.73	---	---	---	---	---	---
18	119.59	---	---	---	---	---	---	---	---	120.23	120.86	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	119.57	---	---	119.64	---	119.76	119.24	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	119.96	120.04	---	---	---
24	---	---	---	119.74	---	119.73	---	---	---	---	---	---
25	119.49	---	---	---	---	---	119.28	---	120.03	120.28	121.04	---
26	---	---	---	---	---	---	---	120.11	---	---	---	---
27	---	---	---	---	119.70	---	---	---	119.99	---	---	---
28	119.45	---	---	---	119.72	119.68	119.22	---	---	---	---	---
29	---	119.25	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	120.06	---	---	---
31	---	---	---	---	---	119.63	---	---	---	---	---	---

02294112 LAKE GARFIELD NEAR ALTURAS, FL

DRAINAGE AREA.--18.0 mi² (46.6 km²).

PERIOD OF RECORD.--October 1969 to July 1971 (fragmentary); August 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 90.00 ft (27.432 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to June 12, 1974, at site 1,400 ft (400 m) south at datum 8.81 ft (2.685 m) higher.

REMARKS.--Lake is connected by outlet to Peace Creek drainage canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 105.91 ft (32.281 m) Sept. 30, 1979; lake dry from late April to mid May 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 105.91 ft (32.281 m) Sept. 30; minimum daily, 102.09 ft (31.117 m) May 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103.87	103.57	---	---	---	---	102.73	---	---	103.33	103.50	---
2	---	---	---	---	---	---	---	102.16	---	---	---	103.42
3	---	---	103.14	103.16	---	---	---	102.11	103.61	---	---	---
4	103.79	---	---	---	103.38	103.05	102.73	---	---	103.40	---	---
5	---	103.49	---	---	---	---	---	---	---	---	103.36	103.63
6	---	---	---	---	---	---	---	102.09	103.49	---	---	103.75
7	---	---	103.10	103.08	---	103.10	---	---	---	---	---	---
8	103.73	103.49	---	---	103.37	---	102.56	---	---	103.40	---	---
9	---	---	---	---	---	---	---	102.66	---	---	---	---
10	---	---	103.14	103.08	---	---	---	---	103.38	---	---	---
11	103.68	---	---	---	103.31	103.20	102.50	---	---	---	---	104.03
12	---	103.52	---	---	---	---	---	---	---	103.36	103.57	---
13	---	---	103.08	---	---	---	---	103.74	103.42	---	---	104.23
14	---	---	---	103.43	103.26	103.17	---	---	---	---	---	---
15	103.69	103.47	---	---	---	---	102.40	---	---	103.63	103.55	---
16	---	---	---	---	---	---	---	104.02	---	---	---	104.43
17	---	---	103.01	103.48	---	---	---	---	103.43	---	---	---
18	103.61	---	---	---	103.20	103.00	102.32	---	---	103.62	---	---
19	---	103.41	---	---	---	---	---	---	---	---	103.53	---
20	---	---	102.94	---	---	---	---	103.93	---	---	---	104.68
21	---	---	---	103.48	103.14	102.96	---	---	103.33	---	---	---
22	103.55	103.36	---	---	---	---	102.21	---	---	103.60	---	---
23	---	---	---	---	---	---	---	103.82	---	---	103.51	105.01
24	---	---	102.90	103.51	---	---	---	---	103.32	---	---	---
25	---	---	---	---	---	102.89	102.27	---	---	103.60	---	---
26	103.48	103.30	102.98	---	103.16	---	---	---	103.33	---	103.46	---
27	---	---	---	---	---	---	---	103.81	103.30	---	---	105.66
28	---	---	---	103.52	103.08	102.80	---	---	---	---	---	---
29	103.61	---	---	---	---	---	102.20	---	---	---	---	---
30	---	103.20	---	---	---	---	---	103.72	---	103.49	103.45	105.91
31	---	---	103.02	103.48	---	---	---	---	---	---	---	---

02294303 ARIANA LAKE AT AUBURNDALE, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 136.78 ft (41.691 m) Sept. 28; minimum daily, 134.50 ft (40.996 m) Dec. 22.

[illegible]

02294305 LAKE LENA AT AUBURNDALE, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 136.60 ft (41.636 m) Sept. 29; minimum daily, 134.38 ft (40.959 m) Dec. 22.

[illegible]

02294402 BANANA LAKE NEAR HIGHLAND CITY, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 105.74 ft (32.230 m) May 9; minimum daily, 105.13 ft (32.044 m) Sept. 11.

[illegible]

PEACE RIVER BASIN

02294462 LAKE HANCOCK NEAR HIGHLAND CITY, FL

LOCATION.--Lat 27°57'48", long 81°51'29", in NW¼ sec.18, T.29 S., R.25 E., Polk County, Hydrologic Unit 03100101, on west shore of lake, at fish shed at east end of sand road, and 1.2 mi (1.9 km) east of Highland City.

SURFACE AREA.--4,541 acres (7.10 mi², 18.4 km²).

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--August 1950 to March 1951 and February 1958 to July 1959 (fragmentary); August 1959 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 92.78 ft (28.279 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Aug. 19, 1959, at site 0.7 mi (1.1 km) north at datum 0.03 ft (0.009 m) lower.

REMARKS.--Lake is in the Saddle Creek Branch area of Peace River headwaters and level is controlled by structure P-11.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 101.88 ft (31.053 m) Sept. 16, 1960; minimum daily, 93.98 ft (28.645 m) May 23, 1968 (estimated).

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 99.60 ft (30.358 m) May 16; minimum daily, 97.30 ft (29.657 m) June 25, 26, 27.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97.86	97.66	97.50	97.66	98.36	98.02	98.62	98.38	98.52	97.34	97.52	97.60
2	97.86	97.66	97.52	97.66	98.34	98.04	98.60	98.40	98.46	97.34	97.46	97.62
3	97.84	97.64	97.50	97.74	98.30	98.06	98.60	98.38	98.42	97.34	97.42	97.54
4	97.84	97.64	97.48	97.76	98.26	98.06	98.58	98.36	98.34	97.32	97.38	97.56
5	97.82	97.62	97.46	97.76	98.24	98.08	98.58	98.34	98.26	97.34	97.34	97.66
6	97.82	97.60	97.48	97.76	98.18	98.16	98.56	98.32	98.20	97.34	97.38	97.70
7	97.80	97.62	97.50	97.76	98.16	98.28	98.54	98.40	98.12	97.36	97.40	97.70
8	97.80	97.64	97.50	97.82	98.14	98.34	98.50	98.42	98.04	97.36	97.46	97.68
9	97.78	97.64	97.48	97.84	98.12	98.44	98.46	98.90	97.98	97.36	97.50	97.66
10	97.78	97.64	97.48	97.82	98.08	98.48	98.48	98.98	97.90	97.36	97.42	97.64
11	97.74	97.64	97.48	97.82	98.04	98.52	98.48	98.98	97.78	97.38	97.48	97.66
12	97.72	97.62	97.46	98.00	97.98	98.54	98.46	99.22	97.72	97.40	97.68	97.70
13	97.72	97.62	97.46	98.10	97.96	98.56	98.44	99.38	98.06	97.42	97.78	97.66
14	97.70	97.62	97.44	98.14	97.96	98.58	98.42	99.44	97.96	97.44	97.96	97.68
15	97.70	97.60	97.42	98.18	97.96	98.64	98.42	99.56	97.88	97.46	98.06	97.70
16	97.68	97.60	97.42	98.20	97.96	98.66	98.40	99.60	97.78	97.48	98.14	97.72
17	97.66	97.58	97.42	98.22	97.96	98.68	98.36	99.58	97.70	97.56	98.16	97.72
18	97.64	97.58	97.40	98.26	97.96	98.62	98.34	99.54	97.62	97.60	98.12	97.72
19	97.64	97.58	97.40	98.28	97.98	98.64	98.32	99.44	97.54	97.58	98.10	97.72
20	97.64	97.56	97.40	98.30	97.98	98.64	98.30	99.36	97.52	97.62	98.08	97.70
21	97.64	97.56	97.40	98.34	97.98	98.64	98.30	99.26	97.48	97.68	98.02	97.66
22	97.64	97.56	97.40	98.40	97.98	98.64	98.28	99.18	97.42	97.66	97.96	97.88
23	97.64	97.54	97.40	98.44	97.96	98.64	98.26	99.08	97.38	97.64	97.94	98.04
24	97.62	97.54	97.40	98.54	97.96	98.66	98.24	98.98	97.34	97.68	97.88	98.22
25	97.60	97.52	97.44	98.54	97.96	98.66	98.28	98.98	97.30	97.72	97.92	98.28
26	97.58	97.50	97.44	98.52	98.00	98.66	98.32	98.94	97.30	97.72	97.86	98.40
27	97.58	97.50	97.58	98.50	98.02	98.64	98.30	98.88	97.30	97.68	97.82	98.58
28	97.58	97.48	97.66	98.46	98.02	98.64	98.30	98.80	97.32	97.66	97.76	98.76
29	97.68	97.48	97.64	98.46	---	98.64	98.28	98.72	97.36	97.62	97.66	98.92
30	97.70	97.46	97.66	98.44	---	98.64	98.26	98.62	97.36	97.58	97.60	99.04
31	97.68	---	97.66	98.40	---	98.64	---	98.60	---	97.56	97.58	---
MEAN	97.71	97.58	97.48	98.13	98.06	98.49	98.41	98.94	97.78	97.50	97.74	97.90
MAX	97.86	97.66	97.66	98.54	98.36	98.68	98.62	99.60	98.52	97.72	98.16	99.04
MIN	97.58	97.46	97.40	97.66	97.96	98.02	98.24	98.32	97.30	97.32	97.34	97.54
CAL YR 1978	MEAN 97.77		MAX 98.66	MIN 96.96								
WTR YR 1979	MEAN 97.98		MAX 99.60	MIN 97.30								

PEACE RIVER BASIN

02294959 LAKE BUFFUM NEAR ALTURAS, FL

LOCATION.--Lat 27°48'30", long 81°40'01", in SE¼ sec.1, T.31 S., R.26 E., Polk County, Hydrologic Unit 03100101, on north shore of lake, 5.4 mi (8.7 km) southeast of Alturas.

SURFACE AREA.--1,570 acres (2.45 mi², 6.35 km²).

DRAINAGE AREA.--10 mi² (26 km²).

PERIOD OF RECORD.--April 1972 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 96.62 ft (29.450 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 132.42 ft (40.362 m) Sept. 29, 1979; minimum daily, 126.02 ft (38.411 m) May 6, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 132.42 ft (40.362 m) Sept. 29; minimum daily, 130.24 ft (39.697 m) Apr. 23.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	130.88	130.72	---	130.30	---	131.02	---	---
2	131.32	---	130.56	---	---	---	---	---	131.24	---	130.62	---
3	---	130.80	---	130.58	---	---	---	---	---	---	---	---
4	---	---	---	---	130.86	---	130.60	130.28	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	131.24	130.75	130.52	130.52	---	130.90	---	---	131.18	---	130.60	---
7	---	130.80	---	---	130.88	130.89	---	---	---	---	---	131.54
8	---	---	---	---	---	130.92	130.54	130.64	---	---	---	---
9	---	---	---	---	---	---	---	---	131.12	---	---	---
10	---	130.76	130.46	130.44	---	---	---	---	---	---	130.68	131.58
11	131.14	---	---	---	130.84	---	---	---	---	131.06	---	---
12	---	---	---	---	---	130.88	130.48	131.20	131.04	---	---	---
13	---	---	---	---	---	---	---	---	---	---	130.86	---
14	131.06	130.72	130.38	130.82	---	---	---	---	---	---	---	131.82
15	---	---	---	---	130.80	---	---	131.32	131.00	130.90	---	---
16	---	---	---	---	---	130.84	130.38	---	---	---	130.90	---
17	130.98	---	---	---	---	---	---	131.26	---	---	---	131.98
18	---	130.70	130.34	130.80	---	---	---	---	---	130.86	---	---
19	---	---	---	---	130.78	---	130.32	---	---	---	130.98	---
20	130.96	---	---	---	---	130.80	---	---	130.90	---	---	---
21	---	---	---	---	---	---	---	131.18	---	---	---	---
22	---	130.66	130.28	130.86	---	---	---	---	---	130.82	---	132.06
23	---	---	---	---	130.76	---	130.24	---	---	---	131.20	---
24	130.92	---	---	---	---	130.74	---	---	---	---	---	---
25	---	---	---	130.92	---	---	130.32	131.34	131.00	130.78	---	132.20
26	---	130.62	130.34	---	---	---	130.32	---	---	---	131.26	---
27	---	---	---	---	130.76	130.70	---	---	130.99	---	---	---
28	130.92	---	---	---	---	---	---	---	---	---	---	---
29	---	130.58	---	130.88	---	---	---	131.30	---	130.72	131.22	132.42
30	---	---	130.52	---	---	---	---	---	---	---	131.22	---
31	130.86	---	---	---	---	130.66	---	---	---	---	---	---

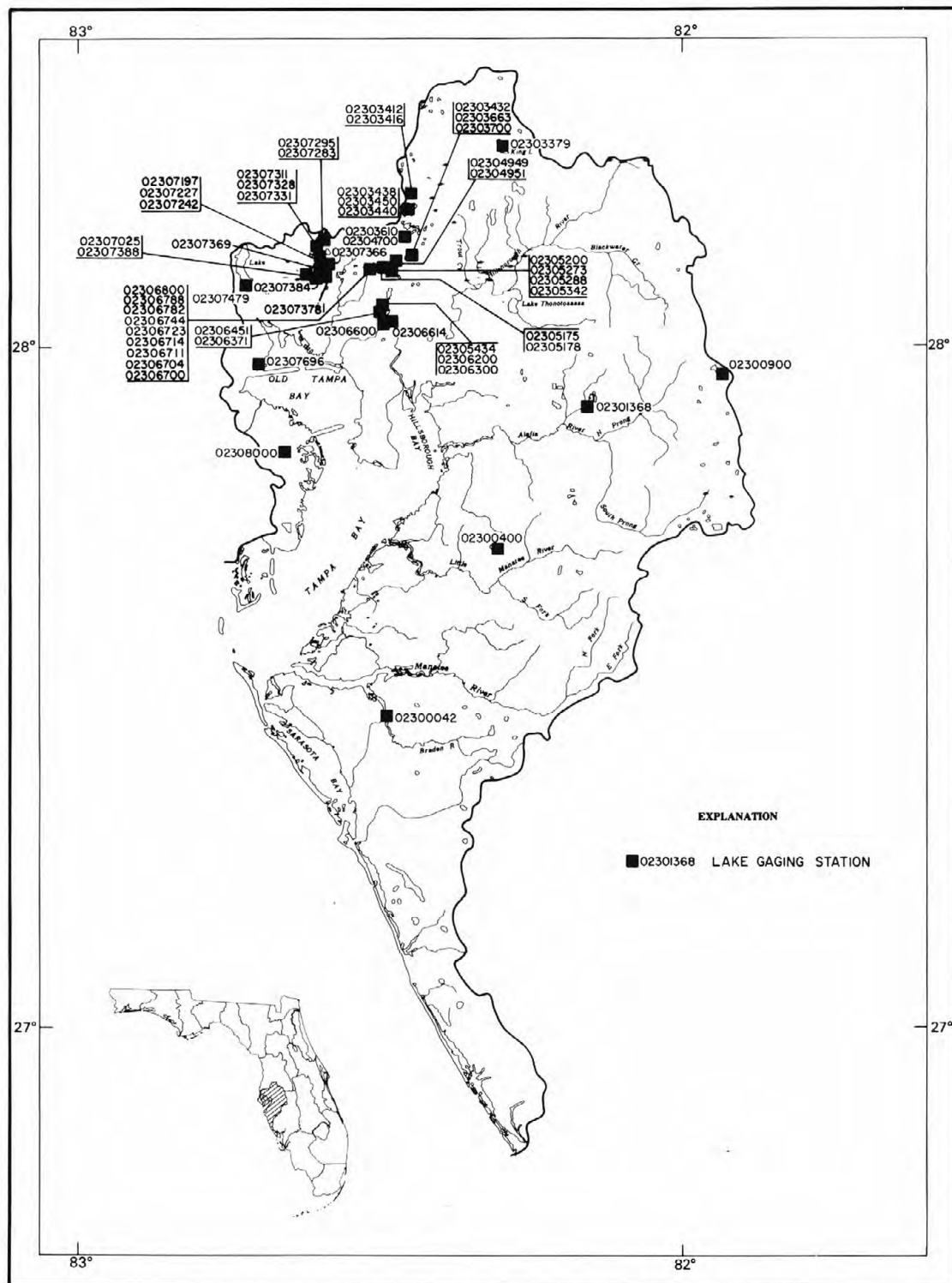


Figure 9. Location of lake gaging stations in the Manatee, Little Manatee, Alafia and Hillsborough River basins, Tampa Bay, and coastal areas.

02300042 WARD LAKE NEAR BRADENTON, FL

SURFACE AREA.--57.6 acres (0.09 mi², 0.23 km²).

DRAINAGE AREA.--59.5 mi² (154.1 km²), approximately.

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

REMARKS.--Lake elevations affected by diversion by city of Bradenton.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 5.60 ft (1.707 m) June 27, 1943, affected by storm; minimum daily, 2.60 ft (0.792 m) below NGVD, June 16, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.98 ft (1.518 m) Sept. 22; minimum, 1.46 ft (0.445 m) May 6, 7.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.90	3.84	3.10	2.58	3.88	3.84	3.43	1.59	3.87	3.15	2.60	4.61
2	3.91	3.82	3.11	2.74	3.88	3.84	3.38	1.54	3.89	3.09	2.55	4.33
3	3.89	3.80	3.09	3.48	3.86	3.84	3.32	1.49	3.84	3.04	2.50	4.18
4	3.88	3.79	3.05	3.91	3.87	3.83	3.26	1.49	3.81	3.01	2.44	4.09
5	3.88	3.78	3.02	3.92	3.88	3.85	3.20	1.48	3.78	3.04	2.42	4.11
6	3.88	3.75	2.98	3.92	3.87	3.92	3.14	1.47	3.76	3.13	2.52	4.10
7	3.85	3.75	2.94	3.94	3.89	4.01	3.07	1.51	3.73	3.11	2.67	4.10
8	3.82	3.76	2.92	3.94	3.93	4.01	3.00	1.56	3.69	3.11	2.73	3.99
9	3.79	3.77	2.90	3.92	3.89	4.02	2.93	1.66	3.65	3.06	2.89	4.09
10	3.78	3.76	2.87	3.90	3.86	4.00	2.87	1.72	3.60	3.01	3.00	4.41
11	3.77	3.74	2.85	3.89	3.85	3.97	2.81	1.74	3.55	2.98	3.05	4.21
12	3.75	3.71	2.84	4.17	3.84	3.94	2.74	1.82	3.51	2.95	3.28	4.25
13	3.81	3.68	2.84	4.61	3.84	3.92	2.66	2.20	3.50	2.91	3.45	4.29
14	3.92	3.64	2.79	4.34	3.84	3.90	2.59	2.45	3.50	2.92	3.50	4.43
15	4.00	3.63	2.74	4.17	3.84	3.86	2.52	2.74	3.50	2.97	3.52	4.57
16	3.96	3.60	2.70	4.06	3.84	3.85	2.44	3.17	3.49	2.99	3.53	4.48
17	3.91	3.59	2.64	4.02	3.83	3.84	2.35	3.54	3.47	3.01	3.55	4.26
18	3.88	3.57	2.59	3.98	3.83	3.82	2.27	3.80	3.44	3.03	3.62	4.10
19	3.86	3.53	2.53	3.97	3.83	3.80	2.19	3.84	3.41	3.04	3.79	4.03
20	3.86	3.49	2.49	3.97	3.83	3.78	2.12	3.82	3.39	3.10	3.82	4.00
21	3.85	3.45	2.45	4.00	3.82	3.77	2.06	3.80	3.35	3.08	3.87	4.09
22	3.84	3.42	2.39	3.99	3.82	3.75	1.98	3.79	3.28	3.04	3.94	4.95
23	3.82	3.38	2.33	3.97	3.82	3.75	1.91	3.77	3.23	3.02	4.16	4.63
24	3.80	3.34	2.32	4.37	3.83	3.75	1.84	3.75	3.21	2.97	4.27	4.36
25	3.80	3.29	2.33	4.36	3.85	3.72	1.81	3.73	3.15	2.92	4.34	4.22
26	3.81	3.24	2.31	4.17	3.88	3.68	1.79	3.71	3.10	2.87	4.17	4.18
27	3.81	3.20	2.28	4.12	3.87	3.65	1.77	3.68	3.07	2.83	4.07	4.16
28	3.82	3.15	2.37	4.08	3.84	3.61	1.76	3.64	3.09	2.83	4.06	4.13
29	3.86	3.13	2.48	4.01	---	3.57	1.71	3.61	3.20	2.78	4.07	4.37
30	3.84	3.11	2.55	3.97	---	3.52	1.65	3.60	3.21	2.72	4.20	4.49
31	3.84	---	2.57	3.92	---	3.47	---	3.72	---	2.66	4.67	---
MEAN	3.85	3.56	2.69	3.95	3.85	3.81	2.49	2.76	3.48	2.98	3.46	4.27
MAX	4.00	3.84	3.11	4.61	3.93	4.02	3.43	3.84	3.89	3.15	4.67	4.95
MIN	3.75	3.11	2.28	2.58	3.82	3.47	1.65	1.47	3.07	2.66	2.42	3.99

02300400 LAKE WIMAUMA AT WIMAUMA, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 80.54 ft (24.549 m) Sept. 29; minimum daily, 78.70 ft (23.988 m) Aug. 6, 10.

[illegible]

02300900 SCOTT LAKE NEAR LAKELAND, FL

DRAINAGE AREA.--2.11 mi² (5.46 km²).

PERIOD OF RECORD.--March 1953 to May 1954 (twice weekly); June 1954 to May 1965; August 1965 to November 1966 (weekly), incomplete; December 1966 to July 1967 (fragmentary); August 1967 to January 1969; February to September 1969 (weekly), incomplete; October 1969 to September 1977 (thrice weekly), incomplete; October 1977 to current year (twice weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 150.00 ft (45.720 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to June 16, 1954, and May 5, 1965, to May 6, 1968, nonrecording gage, and June 16, 1954, to May 5, 1965, water-stage recorder at site 0.3 mi (0.5 km) south at datum 9.68 ft (2.950 m) higher; May 6, 1968, to Oct. 28, 1969, at former site and present datum.

REMARKS.--Lake is in the headwaters of North Prong Alafia River; outlet has small concrete control structure. Elevation is affected by pumpage into lake from ground water.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 168.08 ft (51.231 m) Sept. 30, 1979; minimum daily, 159.29 ft (48.552 m) Nov. 18, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 168.08 ft (51.231 m) Sept. 30; minimum daily, 164.66 ft (50.188 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	164.92	---	---	---		---	---	---	---	---
2	---	165.25	164.95	---	---	---		166.49	---	---	---	---
3	---	---	---	---	---	---		---	---	---	---	---
4	---	---	---	164.95	166.00	---		---	---	---	---	---
5	---	165.18	---	164.98	---	---		---	---	---	---	---
6	---	165.16	164.90	---	---	---		---	167.38	---	---	167.49
7	---	---	---	---	---	---		---	---	---	167.35	---
8	---	165.14	164.86	165.00	---	---		---	---	---	---	---
9	---	---	164.86	---	---	---		167.28	---	---	---	---
10	---	165.12	---	165.14	---	---		---	167.15	---	167.35	---
11	---	---	164.80	165.18	---	167.05		---	---	167.10	---	---
12	---	165.10	---	---	166.45	---		167.55	167.55	---	---	---
13	---	---	---	165.56	---	---		---	167.55	---	---	---
14	165.55	---	164.76	---	---	---		167.50	---	167.48	167.48	---
15	---	165.05	164.74	---	---	---		167.80	167.52	---	---	---
16	165.50	165.05	---	165.56	---	---		167.80	---	---	---	---
17	---	---	---	165.52	---	---		167.68	---	---	---	---
18	165.48	165.00	164.74	---	---	166.95		167.60	---	---	---	---
19	165.45	---	---	---	---	---		167.55	---	---	---	---
20	---	---	---	165.50	---	---		---	---	---	---	---
21	165.42	164.98	---	165.59	---	---		---	167.30	---	---	---
22	165.40	---	164.66	---	166.95	---		---	---	---	---	167.80
23	---	---	---	---	---	---		---	167.30	---	167.35	167.86
24	---	164.96	---	---	---	---		---	---	167.56	---	---
25	165.35	---	164.72	---	---	---		---	---	---	---	---
26	---	---	---	---	---	---		---	---	---	167.55	167.98
27	165.32	164.89	---	---	166.95	---		---	---	---	---	---
28	---	---	---	---	---	---		---	---	---	---	---
29	---	---	164.88	---	---	---		---	167.22	---	---	168.05
30	165.30	---	164.84	---	---	---		167.35	---	---	---	168.08
31	---	---	---	---	---	---		---	---	---	---	---

ALAFIA RIVER BASIN

02301368 EDWARD MEDARD RESERVOIR AT PLEASANT GROVE, FL

LOCATION.--Lat 27°54'37", long 82°10'08", in SW¼ sec.36, T.29 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, on west shore at concrete control structure, 0.1 mi (0.2 km) upstream from bridge on Turkey Creek Road, 0.4 mi (0.6 km) northwest of Pleasant Grove, 1.5 mi (2.4 km) upstream from Turkey Creek, and 2.3 mi (3.7 km) above mouth of Little Alafia River.

DRAINAGE AREA.--19.6 mi² (50.8 km²).

PERIOD OF RECORD.--August 1970 to current year. Prior to October 1976, published as Pleasant Grove Reservoir at Pleasant Grove.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Department of Transportation bench mark). Prior to Feb. 23, 1972, at datum 0.40 ft (0.121 m) lower.

REMARKS.--Reservoir is formed by concrete dam with earthen embankments, and is fed by the Little Alafia River and runoff from adjacent mining area. Level is controlled by concrete control structure. Reservoir was drained in October 1976 for construction of a new concrete control and modification of the earthen embankments.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 62.12 ft (18.934 m) Sept. 24, 1979; reservoir essentially dry mid-October 1976 to early August 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 62.12 ft (18.934 m) Sept. 24; minimum, 56.35 ft (17.175 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.10	56.93	56.60	56.87	58.54	59.79	60.00	59.49	60.24	59.63	60.00	60.12
2	57.12	56.91	56.61	56.91	58.53	59.81	59.99	59.47	60.21	59.61	60.00	59.82
3	57.11	56.89	56.60	56.98	58.53	59.83	59.98	59.45	60.18	59.59	60.01	59.55
4	57.10	56.86	56.59	56.99	58.53	59.83	59.97	59.43	60.15	59.58	59.99	59.36
5	57.12	56.84	56.60	57.00	58.54	59.87	59.95	59.40	60.12	59.57	59.98	59.23
6	57.17	56.83	56.59	57.00	58.54	60.23	59.94	59.40	60.10	59.56	59.99	59.25
7	57.17	56.82	56.58	57.01	58.57	60.80	59.92	59.46	60.07	59.55	60.00	59.28
8	57.15	56.82	56.57	57.04	58.59	60.79	59.90	59.75	60.05	59.65	60.08	59.30
9	57.13	56.81	56.55	57.04	58.60	60.75	59.88	60.61	60.03	59.66	60.08	59.31
10	57.12	56.80	56.54	57.03	58.59	60.67	59.87	60.67	60.00	59.64	60.07	59.32
11	57.10	56.79	56.51	57.03	58.59	60.60	59.85	60.61	59.97	59.62	60.18	59.37
12	57.11	56.77	56.50	57.28	58.58	60.54	59.83	60.62	59.96	59.66	60.49	59.42
13	57.12	56.76	56.48	57.87	58.58	60.48	59.82	60.58	59.99	59.72	60.66	59.75
14	57.13	56.75	56.46	58.04	58.58	60.43	59.80	60.53	59.97	59.80	60.62	60.17
15	57.13	56.73	56.44	58.07	58.57	60.39	59.78	60.50	59.94	59.81	60.55	60.40
16	57.11	56.72	56.43	58.08	58.57	60.35	59.76	60.47	59.93	59.88	60.49	60.56
17	57.10	56.71	56.42	58.10	58.57	60.30	59.73	60.43	59.91	59.97	60.62	60.59
18	57.08	56.70	56.41	58.11	58.57	60.27	59.71	60.37	59.89	59.99	60.65	60.56
19	57.06	56.69	56.39	58.12	58.57	60.24	59.68	60.33	59.87	60.01	60.58	60.51
20	57.06	56.68	56.38	58.12	58.56	60.21	59.66	60.29	59.85	60.02	60.52	60.47
21	57.05	56.66	56.38	58.19	58.55	60.19	59.63	60.25	59.82	60.03	60.60	60.47
22	57.03	56.65	56.37	58.22	58.55	60.17	59.61	60.21	59.80	60.01	60.63	61.06
23	57.02	56.63	56.36	58.23	58.56	60.16	59.58	60.18	59.78	60.02	60.60	61.44
24	57.00	56.62	56.48	58.37	58.97	60.16	59.56	60.22	59.75	60.06	60.67	61.98
25	56.99	56.61	56.58	58.47	59.27	60.13	59.59	60.31	59.73	60.13	60.72	61.81
26	56.98	56.59	56.58	58.50	59.63	60.10	59.58	60.27	59.71	60.13	60.67	61.81
27	56.96	56.56	56.58	58.52	59.71	60.08	59.56	60.24	59.69	60.10	60.61	61.85
28	56.95	56.55	56.74	58.53	59.76	60.07	59.54	60.20	59.67	60.08	60.54	61.83
29	56.95	56.54	56.84	58.53	---	60.05	59.52	60.17	59.66	60.07	60.49	61.78
30	56.95	56.53	56.86	58.53	---	60.03	59.50	60.19	59.66	60.04	60.48	61.79
31	56.94	---	56.86	58.54	---	60.02	---	60.26	---	60.02	60.41	---
MEAN	57.07	56.73	56.54	57.78	58.73	60.24	59.76	60.14	59.92	59.85	60.39	60.41
MAX	57.17	56.93	56.86	58.54	59.76	60.80	60.00	60.67	60.24	60.13	60.72	61.98
MIN	56.94	56.53	56.36	56.87	58.53	59.79	59.50	59.40	59.66	59.55	59.98	59.23
CAL YR 1978	MEAN 54.37		MAX 57.36	MIN 50.44								
WTR YR 1979	MEAN 58.96		MAX 61.98	MIN 56.36								

02303379 KING LAKE NEAR SAN ANTONIO, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 104.60 ft (31.882 m) Sept. 25; minimum daily, 102.40 ft (31.212 m) Dec. 17.

[illegible]

02303412 DEANE LAKE NEAR DREXEL, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 75.89 ft (23.131 m) Sept. 30, stage rising; minimum daily, 72.90 ft (22.220 m) May 6.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.90	74.07	73.46	73.29	73.74	73.80	73.69	72.99	75.20	74.30	73.60	74.32
2	74.88	74.04	73.44	73.52	73.71	73.79	73.67	72.99	75.17	74.28	73.54	74.32
3	74.84	74.00	73.42	73.45	73.70	73.78	73.73	72.97	75.14	74.24	73.52	74.32
4	74.83	73.97	73.40	73.44	73.68	73.76	73.72	72.93	75.12	74.20	73.49	74.28
5	74.82	73.94	73.48	73.42	73.67	73.80	73.71	72.92	75.09	74.17	73.44	74.26
6	74.79	73.91	73.46	73.42	73.65	73.98	73.61	72.90	75.04	74.13	73.40	74.24
7	74.74	73.89	73.44	73.41	73.71	74.08	73.63	72.94	75.03	74.10	73.45	74.22
8	74.72	73.87	73.42	73.48	73.70	74.08	73.57	74.84	74.98	74.12	73.54	74.20
9	74.68	73.86	73.41	73.46	73.68	74.07	73.51	75.14	74.92	74.08	73.53	74.18
10	74.65	73.82	73.38	73.44	73.67	74.05	73.50	75.44	74.89	74.04	73.54	74.16
11	74.62	73.79	73.34	73.44	73.64	74.04	73.47	75.43	74.85	74.04	73.54	74.18
12	74.60	73.78	73.32	73.70	73.63	74.04	73.44	75.41	74.84	74.04	73.69	74.21
13	74.60	73.75	73.26	73.82	73.60	74.02	73.42	75.39	74.80	74.04	73.84	74.23
14	74.58	73.73	73.24	73.82	73.57	74.00	73.40	75.42	74.74	74.03	73.84	74.23
15	74.60	73.70	73.23	73.80	73.58	73.99	73.38	75.39	74.72	74.02	73.83	74.49
16	74.60	73.68	73.19	73.79	73.56	73.98	73.34	75.37	74.70	74.01	73.82	74.64
17	74.48	73.69	73.18	73.78	73.54	73.94	73.32	75.44	74.67	73.98	73.83	74.63
18	74.44	73.65	73.16	73.77	73.52	73.92	73.28	75.39	74.62	73.96	73.82	74.62
19	74.40	73.62	73.15	73.75	73.51	73.91	73.25	75.32	74.58	73.94	73.82	74.59
20	74.39	73.60	73.13	73.74	73.48	73.91	73.23	75.26	74.55	73.89	73.99	74.57
21	74.37	73.57	73.11	73.79	73.48	73.88	73.18	75.19	74.52	73.84	73.99	74.62
22	74.34	73.55	73.10	73.78	73.47	73.86	73.14	75.17	74.50	73.82	73.99	74.68
23	74.31	73.53	73.08	73.77	73.45	73.92	73.10	75.14	74.50	73.84	73.98	74.72
24	74.28	73.50	73.06	73.85	73.57	73.89	73.08	75.10	74.48	73.82	73.99	75.50
25	74.28	73.47	73.16	73.85	73.84	73.87	73.13	75.42	74.47	73.81	74.01	75.48
26	74.23	73.44	73.15	73.83	73.82	73.83	73.12	75.40	74.41	73.79	74.04	75.67
27	74.20	73.42	73.14	73.82	73.81	73.80	73.08	75.37	74.38	73.77	74.04	75.81
28	74.18	73.40	73.30	73.90	73.80	73.80	73.08	75.32	74.37	73.74	74.06	75.78
29	74.16	73.38	73.30	73.79	---	73.75	73.03	75.28	74.34	73.70	74.04	75.85
30	74.14	73.36	73.30	73.77	---	73.73	73.00	75.24	74.32	73.64	74.04	75.89
31	74.10	---	73.30	73.75	---	73.71	---	75.24	---	73.62	74.32	---
MEAN	74.51	73.70	73.27	73.67	73.64	73.90	73.36	74.77	74.73	73.97	73.79	74.70
MAX	74.90	74.07	73.48	73.90	73.84	74.08	73.73	75.44	75.20	74.30	74.32	75.89
MIN	74.10	73.36	73.06	73.29	73.45	73.71	73.00	72.90	74.32	73.62	73.40	74.16
CAL YR 1978	MEAN 73.39		MAX 75.46	MIN 72.01								
WTR YR 1979	MEAN 74.00		MAX 75.89	MIN 72.90								

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02303416 CURVE LAKE AT DREXEL, FL

LOCATION.--Lat 28°15'10", long 82°27'42", in NW¼ sec.1, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100205, on west shore of lake, 0.7 mi (1.1 km) north of Drexel.

SURFACE AREA.--24.0 acres (0.04 mi², 0.10 km²).

DRAINAGE AREA.--0.14 mi² (0.36 km²).

PERIOD OF RECORD.--July 1976 to current year, incomplete.

GAGE.--Nonrecording gage read once daily. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is near Cypress Creek well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 77.71 ft (23.686 m) Sept. 27, 1979; minimum daily, 73.41 ft (22.375 m) Aug. 10, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 77.71 ft (23.686 m) Sept. 27; minimum daily, 75.97 ft (23.156 m) Dec. 26.

ELEVATION* IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.18	---	---			---	---		---	76.77	76.27	77.24
2	77.16	---	---			---	---		---	76.73	76.23	77.16
3	77.15	---	---			---	---		---	76.69	76.20	77.11
4	77.15	---	---			---	---		---	76.67	76.17	77.07
5	77.14	---	---			---	---		---	76.66	76.16	77.03
6	77.12	---	---			---	---		---	76.63	76.14	77.00
7	77.09	---	---			---	---		---	76.60	76.38	76.99
8	77.08	---	---			---	---		---	76.60	76.44	76.97
9	77.06	76.34	---			---	---		---	76.57	76.45	76.93
10	77.03	---	---			---	---		---	76.55	76.46	76.90
11	76.98	---	---			---	---		---	76.51	76.50	76.90
12	76.96	---	---			77.00	---		---	76.49	76.64	76.94
13	76.94	---	---			---	---		77.09	76.47	76.71	77.02
14	76.90	---	---			---	---		77.05	76.46	76.75	77.14
15	76.88	---	---			---	---		77.03	76.49	76.74	77.27
16	76.87	---	---			---	---		76.99	76.47	76.74	77.27
17	76.85	---	---			---	---		76.97	76.53	76.74	77.24
18	76.82	---	---			---	---		76.95	76.51	76.73	77.19
19	76.78	---	---			---	---		76.93	76.49	76.73	77.17
20	76.76	---	---			---	---		76.89	76.48	76.86	77.15
21	76.72	---	---			---	---		76.88	76.45	76.86	77.14
22	76.69	---	---			---	---		76.89	76.43	76.88	77.22
23	76.66	---	---			---	76.25		76.89	76.40	76.90	77.28
24	76.64	---	---			---	---		76.87	76.40	76.94	77.65
25	76.61	---	---			---	---		76.85	76.44	76.99	77.61
26	76.59	---	75.97			---	---		76.81	76.43	76.99	77.68
27	76.56	---	---			---	---		76.79	76.41	77.02	77.71
28	76.60	---	---			---	---		76.79	76.39	77.04	77.67
29	76.60	---	---			---	---		76.80	76.36	77.03	77.67
30	76.58	---	---			---	---		76.79	76.33	77.11	77.67
31	76.55	---	---			---	---		---	76.30	77.22	---

02303432 HANNA LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 62.88 ft (19.166 m) Sept. 29; minimum daily, 59.98 ft (18.282 m) Dec. 22, 25, 26.

[illegible]

TAMPA BAY AND COASTAL AREAS

02303438 KING LAKE AT DREXEL, FL

LOCATION.--Lat 28°13'46", long 82°27'20", in NE¼ sec.13, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100205, on west shore of lake, 0.8 mi (1.3 km) south of Drexel.

SURFACE AREA.--123 acres (0.2 mi², 0.5 km²).

DRAINAGE AREA.--1.7 mi² (4.4 km²), approximately.

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

GAGE.--Nonrecording gage. Datum of gage is 2.00 ft (0.610 m) below National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near Cypress Creek well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 73.92 ft (22.531 m) May 10, 1979; minimum daily, 70.02 ft (21.342 m) July 4, 7, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 73.92 ft (22.531 m) May 10; minimum daily, 71.48 ft (21.787 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.50	72.00	71.66	71.80	72.36	72.46	72.36	71.76	73.00	72.26	71.98	72.94
2	72.48	72.00	71.60	71.90	72.36	72.45	72.30	71.70	73.00	72.22	71.96	73.00
3	72.46	71.98	71.56	71.90	72.32	72.44	72.30	71.74	72.90	72.20	71.90	73.00
4	72.44	71.96	71.64	71.86	72.28	72.44	72.28	71.73	72.88	72.18	71.86	72.88
5	72.42	71.94	71.65	71.84	72.28	72.44	72.22	71.72	72.88	72.16	71.84	72.98
6	72.40	71.92	71.68	71.84	72.30	72.56	72.24	71.72	72.84	72.10	71.86	72.84
7	72.40	71.90	71.68	71.86	72.30	72.66	72.22	71.74	72.82	71.98	72.08	72.82
8	72.36	71.88	71.68	71.90	72.30	72.66	72.20	72.16	72.80	72.12	72.20	72.76
9	72.36	71.88	71.68	71.90	72.29	72.64	72.18	73.88	72.80	72.10	72.22	72.60
10	72.34	71.86	71.65	71.85	72.29	72.64	72.14	73.92	72.76	72.00	72.20	72.55
11	72.32	71.86	71.65	71.85	72.28	72.62	72.12	73.82	72.74	71.98	72.28	72.48
12	72.30	71.84	71.50	72.08	72.28	72.62	72.12	73.70	72.72	72.04	72.56	72.40
13	72.30	71.82	71.55	72.18	72.28	72.62	72.10	73.68	72.70	72.06	72.60	72.76
14	72.28	71.80	71.60	72.15	72.24	72.60	72.08	73.60	72.68	72.06	72.70	72.80
15	72.28	71.78	71.58	72.20	72.24	72.58	72.08	73.54	72.66	72.06	72.68	72.86
16	72.26	71.78	71.58	72.20	72.24	72.58	72.06	73.58	72.54	72.08	72.66	72.92
17	72.26	71.76	71.55	72.26	72.20	72.58	72.02	73.42	72.50	72.12	72.66	72.92
18	72.24	71.76	71.56	72.26	72.22	72.48	71.98	73.30	72.48	72.17	72.64	72.90
19	72.20	71.74	71.56	72.26	72.21	72.46	71.96	73.25	72.46	72.10	72.62	72.88
20	72.17	71.74	71.55	72.26	72.20	72.44	71.90	73.20	72.40	72.10	72.78	72.86
21	72.16	71.72	71.55	72.30	72.20	72.44	71.92	73.16	72.38	72.10	72.80	72.80
22	72.14	71.70	71.50	72.30	72.20	72.44	71.90	73.10	72.35	72.00	72.78	72.96
23	72.14	71.68	71.50	72.25	72.20	72.40	71.88	73.08	72.35	72.08	72.74	73.00
24	72.12	71.68	71.48	72.36	72.26	72.48	71.86	73.00	72.38	72.08	72.80	73.40
25	72.10	71.64	71.56	72.36	72.34	72.48	71.86	73.26	72.36	72.10	72.88	73.46
26	72.10	71.60	71.56	72.36	72.48	72.44	71.82	73.22	72.30	72.08	72.90	73.48
27	72.08	71.60	71.55	72.36	72.47	72.42	71.80	73.16	72.30	72.08	72.90	73.50
28	72.04	71.60	71.68	72.36	72.47	72.38	71.80	73.10	72.30	72.04	73.00	73.52
29	72.00	71.60	71.65	72.36	---	72.38	71.78	73.08	72.28	72.02	72.88	73.48
30	72.00	71.58	71.65	72.26	---	72.38	71.76	73.06	72.28	72.00	72.90	73.64
31	72.00	---	71.60	72.34	---	72.36	---	73.00	---	71.98	72.92	---
MEAN	72.25	71.79	71.59	72.13	72.29	72.50	72.04	72.95	72.59	72.09	72.51	72.98
MAX	72.50	72.00	71.68	72.36	72.48	72.66	72.36	73.92	73.00	72.26	73.00	73.64
MIN	72.00	71.58	71.48	71.80	72.20	72.36	71.76	71.70	72.28	71.98	71.84	72.40
CAL YR 1978	MEAN 72.17		MAX 73.09	MIN 71.36								
WTR YR 1979	MEAN 72.31		MAX 73.92	MIN 71.48								

HILLSBOROUGH RIVER BASIN

02303440 LAKE PADGETT NEAR LUTZ, FL

LOCATION.--Lat 28°12'12", long 82°27'43", in SW¼ sec.24, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100205, on private dock, on west shore of lake, 1.2 mi (1.9 km) south of Land O'Lakes, and 3.7 mi (6.0 km) north of Lutz.

SURFACE AREA.--200 acres (0.31 mi², 0.81 km²).

DRAINAGE AREA.--6.6 mi² (17.1 km²), approximately.

PERIOD OF RECORD.--January 1965 to September 1966 (about weekly); October 1966 to January 1970 (fragmentary); February 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 18, 1970, nonrecording gage at same site and datum.

REMARKS.--Lake is connected to Saxon Lake by a dredged channel and culverts.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 71.84 ft (21.897 m) May 9, 1979; minimum, 67.91 ft (20.699 m) May 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 71.84 ft (21.897 m) May 9; minimum, 69.20 ft (21.092 m) Dec. 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.31	69.79	69.43	69.44	69.99	70.21	70.24	69.65	70.70	70.04	69.88	70.90
2	70.30	69.76	69.42	69.51	69.97	70.22	70.22	69.64	70.66	70.02	69.86	70.96
3	70.27	69.73	69.41	69.56	69.97	70.22	70.20	69.62	70.63	70.00	69.84	70.98
4	70.25	69.71	69.40	69.55	69.96	70.23	70.18	69.60	70.60	69.98	69.84	70.91
5	70.24	69.69	69.42	69.54	69.96	70.24	70.17	69.58	70.57	69.97	69.88	70.89
6	70.23	69.67	69.41	69.54	69.96	70.37	70.16	69.57	70.54	69.95	69.96	70.86
7	70.20	69.66	69.41	69.54	69.99	70.50	70.13	69.58	70.51	69.93	70.02	70.83
8	70.17	69.66	69.40	69.58	69.99	70.52	70.10	70.70	70.48	69.93	70.12	70.82
9	70.14	69.64	69.39	69.58	69.99	70.53	70.08	71.81	70.45	69.91	70.18	70.78
10	70.12	69.63	69.37	69.57	69.97	70.53	70.07	71.78	70.41	69.89	70.18	70.74
11	70.10	69.62	69.34	69.56	69.96	70.53	70.05	71.68	70.38	69.86	70.20	70.72
12	70.09	69.60	69.33	69.74	69.95	70.52	70.03	71.58	70.35	69.89	70.30	70.73
13	70.08	69.59	69.30	69.85	69.94	70.51	70.00	71.50	70.32	69.90	70.40	70.81
14	70.08	69.58	69.29	69.87	69.93	70.50	69.99	71.43	70.29	69.89	70.46	70.88
15	70.07	69.56	69.27	69.88	69.93	70.49	69.97	71.32	70.27	69.88	70.52	71.09
16	70.04	69.55	69.27	69.87	69.92	70.47	69.94	71.23	70.24	69.87	70.54	71.15
17	70.02	69.54	69.26	69.88	69.92	70.45	69.91	71.13	70.22	69.86	70.54	71.11
18	69.99	69.54	69.24	69.88	69.91	70.43	69.88	71.03	70.20	69.86	70.54	71.05
19	69.98	69.52	69.23	69.88	69.90	70.42	69.85	70.96	70.19	69.88	70.56	70.99
20	69.96	69.51	69.22	69.88	69.89	70.40	69.83	70.90	70.18	69.91	70.62	70.93
21	69.94	69.49	69.22	69.93	69.88	70.38	69.80	70.84	70.17	69.89	70.76	70.92
22	69.93	69.48	69.22	69.93	69.88	70.36	69.77	70.79	70.17	69.87	70.80	71.06
23	69.91	69.47	69.21	69.92	69.89	70.38	69.74	70.74	70.17	69.87	70.82	71.12
24	69.89	69.45	69.23	70.01	69.94	70.41	69.73	70.85	70.16	69.89	70.80	71.52
25	69.88	69.44	69.28	70.01	70.10	70.39	69.75	71.01	70.09	69.92	70.80	71.55
26	69.86	69.42	69.26	70.01	70.19	70.36	69.74	70.94	70.04	69.94	70.80	71.58
27	69.85	69.40	69.26	70.02	70.20	70.34	69.72	70.88	70.02	69.96	70.80	71.64
28	69.84	69.39	69.40	70.02	70.20	70.32	69.70	70.83	70.04	69.96	70.80	71.67
29	69.83	69.38	69.44	70.01	---	70.30	69.68	70.78	70.08	69.94	70.82	71.62
30	69.82	69.37	69.44	70.00	---	70.28	69.66	70.75	70.07	69.92	70.82	71.59
31	69.81	---	69.44	70.00	---	70.26	---	70.73	---	69.90	70.84	---
MEAN	70.04	69.56	69.33	69.79	69.97	70.39	69.94	70.76	70.31	69.92	70.43	71.08
MAX	70.31	69.79	69.44	70.02	70.20	70.53	70.24	71.81	70.70	70.04	70.84	71.67
MIN	69.81	69.37	69.21	69.44	69.88	70.21	69.66	69.57	70.02	69.86	69.84	70.72

CAL YR 1978 MEAN 70.13 MAX 71.38 MIN 69.21
WTR YR 1979 MEAN 70.13 MAX 71.81 MIN 69.21

NOTE.--Record estimated July 26 to Sept. 3.

HILLSBOROUGH RIVER BASIN

02303450 EAST LAKE NEAR DREXEL, FL

LOCATION (REVISED).--Lat 28°12'52", long 82°26'31", in NE¼ sec.19, T.26 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on northwest shore of lake, 1.0 mi (1.6 km) southeast of Land O'Lakes, and 2.3 mi (3.7 km) southeast of Drexel.

SURFACE AREA.--99.0 acres (0.15 mi², 0.39 km²).

DRAINAGE AREA.--0.6 mi² (1.6 km²), approximately.

PERIOD OF RECORD.--July 1976 to current year. Prior to October 1977, published as East Lake near Land O'Lakes.

GAGE.--Nonrecording gage. Datum of gage is 3.00 ft (0.914 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near Cypress Creek well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 79.10 ft (24.110 m) May 8, 1979; minimum daily, 75.70 ft (23.073 m) June 15, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 79.10 ft (24.110 m) May 8; minimum daily, 76.76 ft (23.396 m) Aug. 5.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.80	77.46	77.20	77.30	77.80	77.96	77.60	77.18	77.64	77.10	76.84	78.12
2	77.80	77.44	77.20	77.42	77.80	77.94	77.60	77.16	77.60	77.08	76.80	78.10
3	77.78	77.42	77.20	77.42	77.80	77.92	77.58	77.16	77.56	77.06	76.78	78.04
4	77.76	77.40	77.18	77.42	77.78	77.90	77.56	77.14	77.52	77.06	76.78	78.02
5	77.80	77.40	77.22	77.40	77.78	77.88	77.50	77.14	77.50	77.04	76.76	78.00
6	77.80	77.38	77.20	77.40	77.78	78.08	77.54	77.12	77.48	77.02	76.78	77.97
7	77.78	77.38	77.20	77.40	77.82	78.08	77.54	77.12	77.46	77.00	76.92	77.94
8	77.78	77.36	77.20	77.44	77.82	78.06	77.52	77.10	77.42	77.00	77.10	77.90
9	77.76	77.34	77.18	77.44	77.80	78.02	77.50	78.94	77.40	76.98	77.10	77.88
10	77.74	77.34	77.16	77.42	77.80	77.98	77.48	78.60	77.38	76.96	77.12	77.86
11	77.72	77.32	77.16	77.42	77.78	77.94	77.46	78.36	77.34	76.94	77.12	77.84
12	77.70	77.30	77.14	77.66	77.76	77.86	77.46	78.24	77.32	76.98	77.60	77.86
13	77.70	77.30	77.12	77.74	77.76	77.86	77.44	78.18	77.30	76.98	77.68	77.86
14	77.68	77.30	77.10	77.74	77.76	77.84	77.44	78.10	77.28	76.96	77.78	77.88
15	77.68	77.30	77.10	77.74	77.74	77.80	77.42	78.02	77.26	76.96	77.83	78.28
16	77.66	77.28	77.08	77.74	77.74	77.76	77.40	77.96	77.24	76.94	77.80	78.30
17	77.64	77.28	77.08	77.74	77.72	77.74	77.38	77.88	77.22	76.94	77.66	78.23
18	77.62	77.26	77.08	77.74	77.72	77.72	77.36	77.82	77.20	76.94	77.68	78.16
19	77.62	77.26	77.06	77.72	77.70	77.70	77.32	77.76	77.18	76.92	77.66	78.10
20	77.60	77.24	77.06	77.72	77.70	77.68	77.30	77.70	77.16	76.92	78.16	78.05
21	77.58	77.24	77.06	77.76	77.70	77.68	77.28	77.64	77.14	76.90	78.32	78.02
22	77.56	77.22	77.04	77.76	77.68	77.66	77.26	77.60	77.14	76.90	78.22	78.20
23	77.56	77.22	77.04	77.76	77.68	77.66	77.24	77.56	77.12	76.92	78.16	78.22
24	77.54	77.20	77.12	77.86	77.70	77.72	77.22	77.96	77.12	76.94	78.20	78.60
25	77.54	77.20	77.12	77.86	78.04	77.70	77.26	77.94	77.10	76.94	78.18	78.54
26	77.52	77.18	77.10	77.84	78.02	77.68	77.24	77.88	77.08	76.92	78.16	78.50
27	77.50	77.16	77.10	77.84	78.00	77.66	77.22	77.82	77.06	76.92	78.10	78.44
28	77.48	77.16	77.10	77.84	77.98	77.64	77.20	77.76	77.08	76.90	78.06	78.40
29	77.50	77.14	77.10	77.82	---	77.64	77.20	77.70	77.10	76.88	78.00	78.38
30	77.50	77.14	77.10	77.82	---	77.62	77.18	77.68	77.10	76.88	77.96	78.34
31	77.48	---	77.10	77.82	---	77.60	---	77.66	---	76.86	78.10	---
MEAN	77.65	77.29	77.15	77.65	77.79	77.81	77.39	77.80	77.28	76.96	77.59	78.13
MAX	77.80	77.46	77.30	77.86	78.04	78.08	77.60	79.10	77.64	77.10	78.32	78.60
MIN	77.48	77.14	77.04	77.30	77.68	77.60	77.18	77.12	77.06	76.86	76.76	77.84

CAL YR 1978 MEAN 77.63 MAX 78.48 MIN 77.00
WTR YR 1979 MEAN 77.54 MAX 79.10 MIN 76.76

HILLSBOROUGH RIVER BASIN

02303610 LAKE KELL NEAR LUTZ, FL

LOCATION.--Lat 28°09'56", long 82°27'19", in NE¼ sec.1, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on east shore of lake, 1.1 mi (1.8 km) north of Lutz.

SURFACE AREA.--31.0 acres (0.05 mi², 0.13 km²).

DRAINAGE AREA.--8.9 mi² (23.1 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 54.45 ft (16.596 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near the Pasco County well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 66.65 ft (20.315 m) Sept. 27, 1979; minimum daily, 62.26 ft (18.977 m) May 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 66.65 ft (20.315 m) Sept. 27; minimum daily, 65.35 ft (19.919 m) May 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	---	---	66.15	---	---	---	---	---	---	---
2		---	65.57	---	---	---	---	---	---	---	---	---
3		---	---	65.74	---	---	65.45	---	---	---	65.37	---
4		---	---	---	---	---	---	65.35	---	---	---	66.07
5		---	---	---	---	---	---	---	---	---	---	---
6		---	---	---	66.15	---	---	---	---	---	---	---
7		---	65.50	---	---	---	---	---	---	---	65.51	---
8		---	---	65.75	---	---	65.40	---	---	---	---	---
9		65.82	---	---	---	---	65.40	---	---	65.82	65.51	---
10		---	---	---	---	---	65.37	66.31	---	---	---	---
11		---	---	---	---	---	---	---	---	---	---	---
12		65.76	---	---	---	65.78	---	---	---	---	---	---
13		---	---	---	66.15	---	---	---	---	---	---	---
14		65.75	65.47	65.98	---	---	---	---	65.58	---	---	66.00
15		---	---	---	---	---	---	---	---	---	---	---
16		---	65.43	65.97	66.15	65.79	65.50	---	---	65.44	---	---
17		---	---	---	---	---	65.50	---	---	65.43	---	---
18		---	---	65.99	---	---	---	---	---	---	---	---
19		65.67	---	---	---	66.15	---	---	65.51	---	---	---
20		---	---	---	---	---	---	---	---	---	---	---
21		---	---	66.15	---	---	---	66.30	---	---	---	---
22		65.66	---	---	---	---	---	---	65.45	---	66.01	---
23		---	---	---	---	---	---	---	---	---	---	---
24		---	---	---	---	---	65.48	---	---	---	66.25	---
25		---	---	---	---	---	---	---	---	---	---	---
26		---	65.42	---	---	---	65.48	---	---	---	---	---
27		---	---	---	---	---	---	---	---	---	---	66.65
28		---	---	---	---	---	---	---	65.75	---	66.27	66.64
29		---	---	---	---	---	---	---	65.76	---	---	---
30		---	---	---	---	---	65.40	---	---	65.43	---	---
31		---	---	---	---	---	---	---	---	65.43	---	---

02303663 KEENE LAKE NEAR LUTZ, FL

DRAINAGE AREA.--0.38 mi² (0.98 km²).

GAGE.--Nonrecording gage. Datum of gage is 47.86 ft (14.588 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD. Prior to September 1955, at site 0.1 mi (0.2 km) south at datum 17.86 ft (5.444 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 63.30 ft (19.294 m) Sept. 28, Oct. 2, 10, 1953; minimum daily, 58.46 ft (17.819 m) May 13, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 63.24 ft (19.276 m) Sept. 28; minimum daily, 60.78 ft (18.526 m) Dec. 26.

[illegible]

HILLSBOROUGH RIVER BASIN

02303700 LAKE STEMPER NEAR LUTZ, FL

LOCATION.--Lat 28°07'57", long 82°27'33", in SW¼ sec.13, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on west shore of lake, 1.3 mi (2.1 km) south of Lutz.

SURFACE AREA.--126 acres (0.20 mi², 0.51 km²).

DRAINAGE AREA.--0.74 mi² (1.92 km²).

PERIOD OF RECORD.--May 1946 to November 1971 (weekly), incomplete; December 1971 to January 1976 (incomplete); February 1976 to current year (twice weekly). Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 30.00 ft (9.144 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Aug. 12, 1955, at site 0.2 mi (0.3 km) northwest at same datum; Aug. 12, 1955, to May 9, 1972, at site 0.2 mi (0.3 km) northeast at same datum; May 9, 1972, to Jan. 23, 1976, at site 500 ft (150 m) southeast at same datum.

REMARKS.--Lake is the most downstream of a chain of lakes in the eastern part of the Hillsborough County lake area flowing into Cypress Creek. There are numerous small concrete controls with removable boards controlling lake levels.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 62.30 ft (18.989 m) Mar. 16, 1960; minimum daily, 55.98 ft (17.063 m) May 6, 10, 11, 1974.

Minimum stage known since at least 1924, that of May 6, 10, 11, 1974, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 61.75 ft (18.821 m) Sept. 28; minimum daily, 59.65 ft (18.181 m) Dec. 26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	60.86	61.16
2	---	---	---	---	60.13	---	60.60	60.10	60.86	---	---	---
3	---	---	---	---	---	60.18	---	---	---	---	---	61.24
4	---	---	59.88	59.90	---	---	---	---	---	60.40	---	61.19
5	60.92	60.26	---	---	---	60.20	---	---	60.76	---	---	61.16
6	---	---	---	---	60.10	---	60.63	---	---	---	---	61.10
7	---	---	---	---	---	60.39	---	60.00	---	60.40	---	---
8	60.82	60.22	59.86	59.92	---	---	---	---	---	60.50	61.18	---
9	---	60.19	---	---	---	60.54	60.60	---	60.60	60.50	---	61.06
10	60.78	60.16	---	---	---	---	60.60	61.37	---	---	---	61.08
11	---	---	---	59.88	60.11	---	---	---	60.54	60.48	61.40	---
12	---	---	59.80	---	---	60.52	---	---	---	---	---	---
13	---	---	---	---	---	---	60.54	61.18	---	---	---	61.08
14	60.74	---	---	60.12	60.08	---	---	---	60.50	60.56	---	61.20
15	---	---	---	---	60.06	60.50	---	---	---	---	61.38	---
16	---	---	---	60.10	---	60.52	---	61.26	---	60.54	---	---
17	---	60.08	59.74	---	---	---	---	---	---	---	---	61.30
18	---	---	---	60.08	---	---	---	---	60.48	60.60	61.10	61.24
19	60.60	---	---	---	---	60.42	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	60.80	---	61.12
21	---	60.00	---	---	---	---	60.24	61.02	60.38	---	---	61.08
22	60.56	---	---	---	---	---	---	---	---	---	---	---
23	---	---	59.66	---	59.96	60.46	---	---	---	---	---	---
24	---	---	---	---	---	---	60.20	---	---	---	---	---
25	---	---	---	60.18	---	---	---	---	---	60.96	61.40	---
26	60.48	59.88	59.65	---	60.20	---	---	---	---	---	---	61.70
27	---	---	---	---	---	---	60.20	---	---	60.96	61.28	---
28	---	---	---	---	---	60.56	---	60.90	---	60.95	61.22	61.75
29	---	59.84	---	---	---	---	---	---	60.50	---	61.22	---
30	60.40	---	59.80	60.16	---	60.58	---	60.86	60.48	---	61.20	---
31	---	---	---	---	---	---	---	60.92	---	---	61.20	---

HILLSBOROUGH RIVER BASIN

02304700 LAKE HOBBS AT LUTZ, FL

LOCATION.--Lat 28°09'30", long 82°28'00", in SW¼ sec.1, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on southeast shore of lake, 0.6 mi (1.0 km) northwest of Lutz.

SURFACE AREA.--66.1 acres (0.10 mi², 0.27 km²).

DRAINAGE AREA.--0.92 mi² (2.38 km²).

PERIOD OF RECORD.--June 1946 to December 1964 (weekly), incomplete; January 1965 to September 1970 (incomplete); October 1970 to July 1971 (fragmentary); August 1971 to current year (twice weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey. Prior to October 1977, published as Lake Hobbs near Lutz.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 30.00 ft (9.144 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in a chain of lakes in the central part of the Hillsborough County lake area. Outflow is southward through a ditch to Lake Cooper.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 68.40 ft (20.848 m) Mar. 17, 1960; minimum daily, 60.02 ft (18.294 m) May 31, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 67.74 ft (20.647 m) Sept. 24; minimum daily, 63.08 ft (19.227 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	63.25	---	---	---	---	65.50	---	---	---
2	---	---	---	---	63.72	63.95	63.90	---	---	65.02	---	---
3	---	---	---	---	---	---	---	---	---	---	65.10	66.85
4	---	---	---	---	---	---	---	63.32	65.46	---	---	66.79
5	---	---	---	63.22	---	63.95	63.86	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	65.09	65.27	---
7	---	---	---	---	63.75	---	63.82	63.28	---	---	---	66.56
8	---	---	63.28	63.37	---	---	---	---	65.37	---	---	---
9	---	---	---	---	---	64.11	63.79	64.54	---	65.05	---	---
10	---	---	---	---	63.77	---	---	65.00	---	---	65.76	66.40
11	64.08	---	63.22	---	---	---	---	65.06	65.27	---	---	---
12	---	---	---	63.52	63.77	64.12	---	65.08	---	---	---	---
13	---	---	---	---	---	---	63.75	65.12	---	65.04	66.50	---
14	---	---	---	---	---	---	---	65.22	---	---	66.60	66.64
15	---	---	63.16	63.58	---	---	---	65.28	65.17	---	---	---
16	---	---	---	---	63.78	64.08	63.68	---	---	65.06	---	---
17	---	---	---	---	---	---	---	---	---	---	66.48	67.10
18	---	---	63.10	---	---	---	---	65.37	65.07	---	---	---
19	---	---	---	63.60	63.68	64.06	---	---	---	---	---	---
20	---	---	---	---	---	---	63.65	---	---	65.14	66.98	---
21	---	---	---	---	---	---	---	65.32	---	---	67.09	66.70
22	---	---	63.08	63.64	---	---	---	---	64.97	---	---	67.12
23	---	---	---	---	63.65	64.07	---	---	---	65.20	---	---
24	---	---	---	---	---	---	63.46	---	---	---	67.40	67.74
25	---	---	---	---	---	---	---	---	64.90	65.27	67.42	67.68
26	---	---	63.28	63.76	63.88	64.00	---	65.48	---	---	---	---
27	---	---	---	---	---	---	63.45	---	---	65.25	67.22	---
28	---	---	---	---	---	---	---	65.46	---	---	67.10	67.64
29	---	63.26	63.28	63.76	---	---	---	---	65.08	---	67.00	---
30	---	---	---	---	---	---	63.38	---	---	65.19	---	---
31	---	---	---	---	---	63.95	---	65.48	---	---	66.84	---

02304949 NORTH CRYSTAL LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 63.00 ft (19.202 m) Sept. 25; minimum daily, 59.49 ft (18.133 m) Dec. 11.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---		---	---	---	---
2	60.56	60.22	---	59.52	---	---	---		---	---	---	---
3	---	---	---	---	---	60.60	---		---	---	---	---
4	---	---	---	---	---	---	60.45		---	60.78	---	62.51
5	---	60.16	---	---	---	---	---		61.24	---	---	---
6	60.58	---	---	---	---	---	---		---	---	---	---
7	---	---	---	---	60.39	---	---		---	60.88	---	---
8	---	60.08	---	---	---	---	---		---	---	---	---
9	60.52	---	---	---	---	---	---		---	---	---	---
10	---	---	---	---	---	60.60	---		---	---	---	62.60
11	60.61	---	59.49	---	---	---	---		---	---	---	---
12	---	---	---	---	---	---	---		61.08	---	---	---
13	60.46	---	---	---	---	---	---		---	---	---	---
14	---	---	---	---	---	---	---		---	---	---	---
15	---	---	---	---	---	60.62	---		---	60.86	---	---
16	60.40	---	---	---	---	---	---		60.88	---	---	---
17	---	---	---	---	---	---	---		---	---	---	62.69
18	---	---	---	---	---	60.62	---		---	---	---	---
19	---	---	---	---	---	---	---		---	61.08	---	---
20	60.42	---	---	---	---	---	---		60.82	---	---	---
21	---	---	---	---	---	---	---		---	---	---	---
22	---	---	---	---	---	---	---		---	---	---	---
23	60.38	---	---	---	---	60.59	---		---	---	---	---
24	---	---	---	---	---	---	---		60.78	61.06	---	---
25	---	---	---	---	---	---	---		---	---	---	63.00
26	---	---	---	---	---	60.58	---		---	61.10	---	---
27	60.34	---	---	---	---	---	---		---	---	62.42	---
28	---	---	---	---	---	---	---		---	61.06	62.61	62.91
29	---	59.52	---	---	---	---	---		---	---	62.61	---
30	60.30	---	---	---	---	60.54	---		---	---	---	---
31	---	---	---	---	---	---	---		---	---	62.59	---

HILLSBOROUGH RIVER BASIN

02304951 CRYSTAL LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'59", long 82°28'40", in SW¼ sec.14, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on west shore of lake, 1.5 mi (2.4 km) southwest of Lutz.

SURFACE AREA.--20.7 acres (0.03 mi², 0.08 km²).

DRAINAGE AREA.--0.9 mi² (2.3 km²), approximately.

PERIOD OF RECORD.--July 1972 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 44.00 ft (13.411 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Mar. 24, 1975, at present site at datum 0.23 ft (0.070 m) higher.

REMARKS.--Lake is near the Lutz well field. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 62.70 ft (19.111 m) Sept. 25, 1979; minimum daily, 54.55 ft (16.627 m) July 13, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 62.70 ft (19.111 m) Sept. 25; minimum daily, 58.78 ft (17.916 m) May 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	58.82	---	---	---	---
2	---	---	59.18	59.22	59.38	59.62	---	---	---	---	---	---
3	60.56	59.68	---	---	---	---	59.40	---	---	60.36	60.80	---
4	---	---	---	---	---	---	---	58.78	---	---	---	62.32
5	---	---	---	---	---	---	59.48	---	60.98	---	---	---
6	60.50	---	59.16	59.20	59.40	59.70	59.38	---	---	60.42	---	---
7	---	59.60	---	---	59.43	---	---	---	---	---	60.86	62.30
8	---	---	---	---	---	---	---	60.60	60.90	---	---	---
9	---	---	59.10	---	59.38	59.68	---	---	---	---	---	---
10	60.42	---	---	---	---	---	59.30	---	---	60.48	61.10	62.26
11	60.30	59.52	---	---	---	---	---	60.66	---	---	---	62.34
12	---	---	59.04	---	---	---	---	---	60.80	---	---	---
13	---	---	---	---	59.36	59.68	59.24	---	---	60.54	61.54	---
14	60.30	59.46	---	---	---	---	---	---	---	---	---	62.40
15	---	---	---	---	---	---	---	---	60.68	---	---	---
16	---	---	59.00	---	59.32	---	---	---	---	---	---	---
17	60.24	---	---	---	---	---	59.10	---	---	60.60	61.68	62.46
18	---	59.40	---	---	---	---	---	---	---	---	---	62.34
19	---	---	59.00	---	---	---	---	---	60.56	---	---	---
20	---	---	---	59.38	59.30	---	58.98	---	---	60.68	---	---
21	60.10	59.32	---	---	---	---	---	---	---	---	61.96	62.40
22	---	---	---	---	---	---	---	---	60.48	---	---	---
23	---	---	58.98	59.36	59.28	---	---	---	---	---	---	---
24	59.98	---	---	---	---	---	58.94	---	---	60.80	62.36	---
25	---	59.26	---	---	---	---	---	---	---	60.82	---	62.70
26	---	---	59.10	59.36	59.48	---	---	---	60.45	---	---	---
27	59.80	---	---	---	---	---	58.88	---	---	60.76	62.30	---
28	---	59.22	---	---	---	---	---	---	---	---	62.28	62.64
29	---	59.18	59.18	---	---	---	---	---	60.38	---	62.29	---
30	---	---	---	59.38	---	---	---	---	---	---	---	---
31	59.72	---	---	---	---	---	---	---	---	60.80	62.30	---

HILLSBOROUGH RIVER BASIN

02305175 LAKE CRENSHAW NEAR LUTZ, FL

LOCATION.--Lat 28°07'36", long 82°29'41", in NW¼ sec.22, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on northeast shore of lake, on private dock, and 2.6 mi (4.2 km) southwest of Lutz.

SURFACE AREA.--33.4 acres (0.05 mi², 0.14 km²).

DRAINAGE AREA.--1.3 mi² (3.4 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year, incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Lake is in the Lutz well field. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 57.56 ft (17.544 m) Sept. 24, 1979; minimum daily, 47.50 ft (14.478 m) July 16, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 57.56 ft (17.544 m) Sept. 24; minimum daily, 53.86 ft (16.417 m) Dec. 27.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55.83	54.97	54.34	54.03	54.99	55.70	55.42	54.55	55.64	55.04	55.00	56.45
2	55.81	54.94	54.32	54.14	54.98	55.73	55.40	54.54	55.61	55.00	54.98	56.40
3	55.77	54.91	54.30	54.12	54.97	55.75	55.38	54.50	55.60	54.98	54.96	56.40
4	55.74	54.88	54.28	54.10	54.96	55.77	55.36	54.46	55.48	55.04	55.10	56.32
5	55.71	54.85	54.31	54.09	54.95	55.76	55.35	54.46	55.47	55.01	55.25	56.25
6	55.68	54.82	54.28	54.08	54.93	55.98	55.32	54.42	55.46	55.01	55.40	56.20
7	55.63	54.80	54.25	54.06	55.00	56.12	55.28	54.42	55.46	54.98	55.60	56.12
8	55.59	54.78	54.23	54.10	54.97	56.17	55.24	56.60	55.45	55.02	55.80	56.06
9	55.55	54.75	54.21	54.09	54.96	56.13	55.22	57.55	55.40	54.98	56.10	56.09
10	55.50	54.73	54.20	54.08	54.95	56.08	55.19	57.30	55.35	54.96	56.45	56.06
11	55.50	54.70	54.17	54.08	54.94	56.02	55.16	56.86	55.35	54.93	56.70	56.02
12	55.50	54.68	54.14	54.24	54.93	55.96	55.13	56.50	55.30	54.94	57.20	56.16
13	55.46	54.66	54.11	54.40	54.92	55.90	55.10	56.48	55.25	54.93	57.18	56.32
14	55.48	54.64	54.08	54.50	54.90	55.86	55.07	56.41	55.20	54.91	56.94	56.55
15	55.45	54.62	54.05	54.52	54.89	55.82	55.04	56.30	55.20	54.88	56.66	57.07
16	55.43	54.59	54.02	54.54	54.87	55.78	55.00	56.20	55.15	54.86	56.45	57.24
17	55.38	54.56	54.00	54.56	54.86	55.74	54.96	56.08	55.14	54.84	56.50	57.04
18	55.35	54.53	53.99	54.58	54.84	55.70	54.91	55.98	55.10	54.90	56.60	56.66
19	55.31	54.51	53.98	54.57	54.82	55.67	54.87	55.83	55.07	55.13	56.66	56.45
20	55.28	54.49	53.96	54.60	54.81	55.64	54.83	55.81	55.04	55.12	57.27	56.30
21	55.26	54.47	53.94	54.65	54.80	55.62	54.81	55.78	54.99	55.10	57.12	56.24
22	55.24	54.45	53.92	54.66	54.79	55.59	54.77	55.74	55.10	55.10	57.02	56.66
23	55.21	54.43	53.90	54.67	54.84	55.65	54.73	55.70	55.07	55.15	57.05	57.00
24	55.18	54.41	53.92	54.88	54.86	55.64	54.72	55.85	55.04	55.20	57.08	57.56
25	55.15	54.39	53.90	54.90	55.22	55.62	54.73	55.86	55.00	55.20	57.12	57.45
26	55.13	54.37	53.88	54.92	55.36	55.59	54.71	55.82	54.98	55.18	56.90	57.30
27	55.11	54.35	53.86	54.96	55.50	55.55	54.70	55.78	54.98	55.15	56.77	57.23
28	55.09	54.31	54.07	54.98	55.66	55.52	54.65	55.74	55.10	55.12	56.59	56.98
29	55.06	54.28	54.06	54.98	---	55.49	54.60	55.71	55.08	55.10	56.52	56.80
30	55.03	54.26	54.05	54.99	---	55.47	54.60	55.69	55.06	55.07	56.50	56.70
31	55.00	---	54.04	55.00	---	55.45	---	55.67	---	55.04	56.47	---
MEAN	55.40	54.60	54.09	54.49	54.98	55.76	55.01	55.76	55.24	55.03	56.39	56.60
MAX	55.83	54.97	54.34	55.00	55.66	56.17	55.42	57.55	55.64	55.20	57.27	57.56
MIN	55.00	54.26	53.86	54.03	54.79	55.45	54.60	54.42	54.98	54.84	54.96	56.02
CAL YR 1978	MEAN 54.80		MAX 56.42	MIN 52.39								
WTR YR 1979	MEAN 55.28		MAX 57.56	MIN 53.86								

02305178 SADDLEBACK LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 56.32 ft (17.166 m) Sept. 25; minimum daily, 53.40 ft (16.276 m) May 1.

[illegible]

HILLSBOROUGH RIVER BASIN

02305200 ROUND LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'17", long 82°29'58", in NW¼ sec.22, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on north shore of lake, 3.2 mi (5.1 km) southwest of Lutz.

SURFACE AREA.--9.0 acres (0.01 mi², 0.04 km²).

DRAINAGE AREA.--0.07 mi² (0.18 km²).

PERIOD OF RECORD.--January 1965 to September 1967; July 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1965, nonrecording gage, and May 11, 1965, to Sept. 30, 1967, water-stage recorder at site 400 ft (100 m) west at same datum.

REMARKS.--Lake has no surface outlet. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 56.40 ft (17.191 m) Sept. 25, 1979; minimum elevation, 47.69 ft (14.536 m) June 8, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 56.40 ft (17.191 m) Sept. 25; minimum daily, 52.08 ft (15.874 m) Dec. 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	52.16	53.82	---	---	---	---	54.60	---	---	---
2	53.40	---	---	---	53.30	53.42	---	---	---	53.36	---	---
3	---	53.46	---	---	---	---	53.32	---	---	---	53.36	55.62
4	---	---	52.08	---	---	---	53.24	53.20	54.38	---	---	55.48
5	---	---	---	53.74	53.22	---	---	---	---	---	---	---
6	53.20	53.28	---	---	53.31	53.46	---	---	---	53.42	53.47	---
7	---	---	---	---	---	---	53.30	53.40	---	---	---	55.10
8	---	---	52.38	53.65	---	---	---	---	54.20	---	---	---
9	53.12	---	---	---	53.34	---	53.40	---	---	53.28	---	---
10	---	53.08	---	---	---	53.44	---	---	---	---	53.78	55.00
11	53.20	---	52.60	---	---	---	---	55.58	54.06	---	---	---
12	---	---	---	53.67	53.25	---	---	---	---	---	---	---
13	53.20	52.98	---	---	---	53.40	53.24	55.78	---	53.40	54.60	---
14	---	---	---	---	---	---	---	---	---	---	---	55.10
15	---	---	52.82	53.68	---	---	---	55.40	53.86	---	55.50	---
16	---	---	---	---	53.36	53.26	53.38	---	---	---	---	---
17	53.46	52.70	---	---	---	---	---	---	---	---	---	55.93
18	---	---	---	---	---	---	---	---	53.70	---	55.40	---
19	---	---	---	53.57	53.34	53.42	---	---	---	---	---	---
20	---	52.56	---	---	---	---	53.27	---	---	53.62	55.66	---
21	53.56	---	---	---	---	---	---	54.88	---	---	---	55.47
22	---	---	---	53.52	---	---	---	---	53.64	---	---	---
23	---	52.37	---	---	53.23	53.36	53.30	---	---	53.50	---	---
24	---	---	---	---	---	---	---	54.88	---	---	56.20	56.26
25	53.66	---	53.36	---	---	---	---	---	53.50	---	---	56.40
26	---	---	---	53.50	53.55	---	---	---	---	---	---	---
27	53.70	52.20	---	---	---	---	53.24	---	---	53.40	56.04	---
28	---	---	---	---	---	53.26	---	54.60	---	---	55.94	56.25
29	---	52.14	53.70	53.44	---	---	---	---	53.46	---	55.80	---
30	53.71	---	---	---	---	---	53.10	54.60	---	53.30	---	---
31	---	---	---	---	---	53.42	---	---	---	---	55.78	---

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02305273 BRANT LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'36", long 82°28'27", in NE¼ sec.23, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on northwest shore of lake, 1.8 mi (2.9 km) south of Lutz.

SURFACE AREA.--55.9 acres (0.09 mi², 0.23 km²).

DRAINAGE AREA.--0.7 mi² (1.8 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 40.40 ft (12.314 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near the Lutz well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 60.04 ft (18.300 m) Aug. 24, 1979; minimum daily, 51.78 ft (15.783 m) June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 60.04 ft (18.300 m) Aug. 24; minimum daily, 54.92 ft (16.740 m) Dec. 16.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	55.08	55.24	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	58.18	59.60
4	---	---	---	---	---	---	---	---	---	---	---	59.58
5	---	---	---	---	---	---	55.82	---	58.56	---	---	---
6	55.80	---	---	55.18	---	---	---	55.24	---	57.04	---	59.48
7	---	---	---	---	55.62	---	55.84	---	---	---	---	59.42
8	---	55.25	55.08	---	---	---	---	---	58.52	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	59.40
10	---	---	---	---	---	---	---	---	---	---	58.90	59.46
11	55.69	---	---	---	---	---	---	57.46	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	55.48	---	---	---	---	---	58.06	---	---
14	---	---	---	---	---	---	---	---	---	---	---	59.68
15	---	---	---	---	---	---	---	---	---	---	---	59.84
16	---	55.24	54.92	---	---	56.02	---	---	58.26	---	---	---
17	---	---	---	---	---	---	---	---	---	---	59.70	59.67
18	---	---	---	---	---	56.03	---	---	---	---	---	---
19	---	---	---	---	---	---	---	58.40	---	---	---	---
20	---	---	---	---	---	---	---	---	---	58.24	59.96	---
21	55.55	---	---	---	---	---	55.50	---	---	---	59.76	---
22	---	---	---	---	55.55	---	---	---	58.08	---	59.80	---
23	---	---	---	---	---	---	---	---	---	---	59.73	---
24	---	---	---	55.58	---	56.05	---	---	---	---	60.04	---
25	---	---	---	---	---	---	---	58.58	---	58.35	60.00	59.82
26	---	---	---	55.60	---	---	---	---	---	---	59.94	---
27	---	---	---	---	---	---	---	---	---	58.34	59.78	---
28	55.54	---	---	---	55.78	---	55.40	---	---	---	59.66	59.76
29	---	54.97	---	---	---	---	---	---	58.12	---	59.62	59.66
30	---	55.05	---	---	---	55.95	---	---	---	---	59.57	---
31	---	---	55.22	55.61	---	---	---	58.64	---	---	59.58	---

HILLSBOROUGH RIVER BASIN

02305288 LAKE CHARLES NEAR LUTZ, FL

LOCATION.--Lat 28°06'52", long 82°28'57", in SW¼ sec.23, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on west shore of lake, 2.6 mi (4.2 km) southwest of Lutz.

SURFACE AREA.--14.9 acres (0.02 mi², 0.06 km²).

DRAINAGE AREA.--0.08 mi² (0.21 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Mar. 21, 1972, at site 450 ft (150 m) north at present datum; Mar. 21, 1972, to Aug. 27, 1975, at site 900 ft (300 m) east at present datum.

REMARKS.--Lake is near the Lutz well field. Elevation affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 56.93 ft (17.352 m) Sept. 28, 1979; minimum daily, 48.50 ft (14.783 m) Jan. 1, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 56.93 ft (17.352 m) Sept. 28; minimum daily, 48.50 ft (14.783 m) Jan. 1.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.85	---	---	48.50	52.59	52.40	52.28	52.70	---	52.86	---	56.36
2	---	50.82	49.40	49.00	---	---	---	52.78	53.55	52.98	52.62	---
3	52.65	---	---	---	52.68	52.28	52.18	52.80	---	---	---	---
4	---	50.65	---	---	52.78	52.20	52.04	---	53.40	53.08	52.62	---
5	---	50.60	---	49.40	---	52.16	52.00	52.84	53.37	---	---	---
6	52.48	50.55	49.28	---	52.88	---	52.00	52.90	---	53.15	52.70	---
7	---	---	49.30	49.70	---	---	---	---	---	53.35	---	---
8	52.25	50.50	49.19	---	52.95	52.30	51.90	54.30	53.14	53.38	52.72	56.30
9	52.18	50.40	49.16	50.08	---	52.18	51.94	54.38	53.06	53.32	52.74	56.36
10	52.10	50.37	49.10	50.22	52.94	---	---	---	---	---	---	56.20
11	52.02	---	49.00	---	52.98	52.10	51.80	54.28	---	53.20	53.06	---
12	52.00	50.20	---	50.60	---	---	---	---	52.90	---	---	---
13	---	---	---	---	---	51.98	52.00	54.20	52.82	53.08	---	---
14	51.88	50.16	48.83	50.94	52.76	---	---	---	52.70	---	53.36	---
15	51.80	---	---	51.08	52.56	---	52.10	---	---	52.94	---	---
16	---	50.05	48.74	51.19	52.48	51.88	52.20	54.36	52.60	---	53.34	---
17	---	50.00	48.78	51.30	---	51.80	52.24	54.27	52.55	---	---	56.64
18	51.75	---	---	51.37	52.36	---	52.30	54.22	---	52.75	53.32	---
19	---	---	48.75	---	---	---	---	54.18	52.46	---	---	---
20	51.60	49.84	---	---	52.20	52.00	52.35	54.10	---	52.72	53.75	---
21	---	---	48.70	51.55	---	---	---	54.00	52.30	---	54.00	---
22	51.34	49.78	48.62	51.75	52.20	---	52.40	---	52.22	52.70	54.40	---
23	---	---	---	---	52.16	52.37	---	53.92	---	52.66	55.16	---
24	51.26	49.72	---	52.00	52.12	52.40	52.40	54.00	52.20	52.68	55.40	---
25	51.18	49.60	48.60	52.10	---	52.48	52.50	53.90	52.30	52.66	55.80	56.88
26	51.12	49.52	---	---	52.38	---	---	---	---	---	56.04	---
27	---	---	48.58	52.20	---	---	52.60	53.88	52.50	52.60	56.20	---
28	51.00	49.46	---	52.31	52.48	52.62	---	---	---	---	56.24	56.93
29	---	49.42	48.80	---	---	52.50	52.68	53.74	52.66	---	56.31	---
30	---	49.36	---	52.42	---	---	---	---	---	52.68	---	---
31	50.90	---	48.60	---	---	52.38	---	53.60	---	52.66	56.39	---

HILLSBOROUGH RIVER BASIN

02305342 PLATT LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°05'35", long 82°28'53", in NW¼ sec.35, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on southwest shore of lake, on private dock, and 3.9 mi (6.3 km) southwest of Lutz.

SURFACE AREA.--63.0 acres (0.10 mi², 0.25 km²).

DRAINAGE AREA.--9.2 mi² (23.8 km²), approximately.

PERIOD OF RECORD.--May 1946 to August 1956 (weekly), incomplete; July 1971 to current year (twice weekly), incomplete. Records of elevations prior to July 1971 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Aug. 30, 1956, at same site at datum 30.00 ft (9.144 m) higher; July 1, 1971, to Feb. 29, 1972, at site 0.1 mi (0.2 km) north at datum 0.13 ft (0.039 m) higher; Feb. 29, 1972, to Feb. 2, 1978, at site 0.3 mi (0.5 km) northeast at same datum.

REMARKS.--Lake is in the Sweetwater Creek headwaters chain.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 51.75 ft (15.773 m) Sept. 28, 1979; minimum daily, 42.98 ft (13.100 m) July 13, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 51.75 ft (15.773 m) Sept. 28; minimum daily, 47.16 ft (14.374 m) Dec. 25.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	47.47	47.28	---	---	---	---	49.78	---	---	---
2	48.54	---	---	---	47.50	47.70	48.08	---	---	48.94	---	---
3	---	47.89	---	---	---	---	---	---	---	---	48.98	---
4	---	---	47.46	---	---	---	---	47.36	49.68	---	---	50.96
5	---	---	---	---	47.50	47.76	48.01	---	---	---	---	---
6	48.46	47.80	---	47.30	---	---	---	---	---	49.16	49.04	---
7	---	---	---	---	47.53	---	47.96	47.34	---	---	---	---
8	---	---	47.44	47.34	---	---	---	48.70	49.44	---	---	50.52
9	48.36	---	---	---	47.50	48.10	47.92	49.00	---	49.14	---	---
10	---	47.76	---	---	---	---	---	49.28	---	---	49.80	50.44
11	48.30	---	47.36	---	---	---	---	49.40	49.24	---	---	---
12	---	---	---	47.44	47.46	48.16	---	49.48	---	---	---	---
13	48.26	47.68	---	---	---	---	47.86	49.64	---	49.08	---	---
14	---	---	---	---	---	---	---	49.74	---	---	---	50.80
15	---	---	47.30	47.54	---	---	---	---	49.00	---	50.91	---
16	48.22	---	---	---	47.46	48.20	47.76	---	---	49.02	---	---
17	---	47.64	---	---	---	---	---	---	---	---	50.98	51.45
18	---	---	47.28	---	---	---	---	49.94	48.86	---	---	---
19	---	---	---	47.52	47.44	48.20	---	---	---	---	---	---
20	48.16	47.58	---	---	---	---	47.60	---	---	49.06	51.12	---
21	---	---	---	---	---	---	---	49.94	---	---	---	---
22	---	---	47.18	47.54	---	---	---	---	48.74	---	---	51.20
23	48.06	---	---	---	47.40	48.24	47.58	---	---	---	---	---
24	---	47.50	---	---	---	---	---	---	---	49.08	51.06	51.68
25	---	---	47.16	---	---	---	---	50.00	---	---	---	51.69
26	---	---	---	47.60	47.66	48.20	---	---	48.70	---	---	---
27	48.00	47.46	---	---	---	---	47.52	---	---	49.06	51.26	---
28	---	---	---	---	---	---	---	---	---	---	51.18	51.75
29	---	47.43	47.30	47.56	---	---	---	49.84	48.90	---	51.05	---
30	47.98	---	---	---	---	48.10	47.46	---	---	49.00	---	---
31	---	---	---	---	---	---	---	49.84	---	---	51.08	---

HILLSBOROUGH RIVER BASIN

02305434 CHAPMAN LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°06'09", long 82°27'48", in SW¼ sec.25, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on south shore of lake, on private dock, and 3.4 mi (5.5 km) south of Lutz.

SURFACE AREA.--41.8 acres (0.07 mi², 0.17 km²).

DRAINAGE AREA.--1.9 mi² (4.9 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Lake is near the Lutz well field. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 52.77 ft (16.084 m) Sept. 27, 1979; minimum daily, 46.00 ft (14.021 m) July 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 52.77 ft (16.084 m) Sept. 27; minimum daily, 49.65 ft (15.133 m) May 2.

ELEVATION* IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	50.43	50.01	---	50.19	---	50.33	49.65	---	---	---	51.49
3	50.89	---	---	49.95	---	---	---	---	51.43	50.91	50.99	---
4	---	---	---	---	---	---	---	---	---	---	---	51.40
5	---	---	---	---	---	50.29	50.14	---	---	51.01	---	---
6	---	50.33	---	---	---	---	---	---	---	---	---	---
7	50.81	---	49.99	49.89	50.19	---	50.11	---	---	---	51.31	51.15
8	---	---	---	---	---	50.49	---	51.02	51.31	51.03	---	---
9	---	---	---	---	---	---	---	51.37	---	---	51.63	---
10	50.71	50.29	---	---	---	---	50.05	51.41	---	50.99	51.51	51.25
11	50.71	---	49.91	---	50.13	---	---	51.47	51.21	---	51.81	---
12	---	---	---	50.07	---	50.45	---	---	---	50.97	51.91	---
13	---	---	---	---	---	---	---	51.47	---	---	51.93	---
14	---	---	---	---	---	---	49.99	51.59	---	---	51.95	---
15	50.69	50.19	49.83	50.17	---	---	---	---	---	50.99	51.93	51.79
16	---	---	---	---	50.07	50.39	---	---	51.07	---	51.65	---
17	---	---	---	---	---	---	---	51.63	---	---	---	52.05
18	50.69	50.15	49.79	---	---	---	---	51.57	---	50.93	51.35	52.01
19	---	---	---	---	---	50.37	49.85	---	51.03	---	---	---
20	---	---	---	---	50.03	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	50.53	---	49.73	---	---	---	---	51.49	---	50.99	---	51.57
23	---	---	---	50.17	50.01	50.31	49.73	51.43	50.99	---	51.41	---
24	---	50.05	---	---	---	---	---	---	---	---	51.49	52.47
25	---	---	---	---	50.33	50.33	---	51.51	50.93	51.05	---	52.56
26	50.45	---	49.73	50.25	---	---	49.73	---	---	51.03	51.75	52.65
27	---	49.99	---	---	---	---	---	---	---	---	51.76	52.77
28	---	---	---	---	50.31	---	---	51.43	50.87	---	51.70	52.71
29	---	49.95	---	---	---	---	---	---	---	---	51.60	52.61
30	50.49	49.93	49.89	50.23	---	50.23	49.67	51.37	50.99	---	51.49	52.55
31	---	---	---	---	---	---	---	51.47	---	50.93	51.44	---

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02306200 LAKE MAGDALENE NEAR LUTZ, FL

LOCATION.--Lat 28°04'55", long 82°29'10", in NE¼ sec.3, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, and 4.8 mi (7.7 km) southwest of Lutz.

SURFACE AREA.--232 acres (0.36 mi², 0.94 km²).

DRAINAGE AREA.--1.67 mi² (4.32 km²).

PERIOD OF RECORD.--May 1946 to June 1974 (weekly), incomplete; July 1974 to current year, incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 30.00 ft (9.144 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to June 16, 1948, at site 0.25 mi (0.40 km) northeast at same datum.

REMARKS.--Lake is the largest lake of the Sweetwater Creek headwaters chain of lakes. Outlet has small concrete control structure with removable boards. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 51.00 ft (15.545 m) Mar. 20, 1960; minimum daily, 41.96 ft (12.789 m) June 3, 23, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 50.80 ft (15.484 m) Sept. 27, 28; minimum daily, 47.36 ft (14.435 m) May 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.47	47.93	47.45	47.75	48.30	48.38	48.15	47.50	49.74	49.05	48.97	50.20
2	48.46	47.90	47.46	47.90	48.29	48.37	48.14	47.47	49.70	49.04	48.96	50.10
3	48.43	47.86	47.47	47.90	48.26	48.36	48.12	47.44	49.64	49.03	48.95	49.95
4	48.38	47.82	47.48	47.89	48.26	48.36	48.11	47.42	49.60	49.18	48.94	49.85
5	48.40	47.80	47.52	47.90	48.24	48.36	48.10	47.40	49.56	49.18	48.99	49.78
6	48.38	47.77	47.53	47.91	48.24	48.49	48.08	47.36	49.50	49.17	48.99	49.68
7	48.36	47.75	47.54	47.91	48.26	48.55	48.06	47.40	49.42	49.15	49.30	49.58
8	48.33	47.73	47.54	47.98	48.26	48.56	48.03	48.80	49.35	49.19	49.45	49.50
9	48.31	47.71	47.53	47.98	48.24	48.56	47.98	49.04	49.25	49.17	49.50	49.47
10	48.27	47.70	47.52	47.98	48.22	48.53	47.97	49.10	49.22	49.14	49.51	49.40
11	48.25	47.69	47.51	47.98	48.20	48.50	47.95	49.17	49.18	49.10	50.12	49.32
12	48.24	47.68	47.51	48.18	48.19	48.48	47.93	49.22	49.14	49.10	50.24	49.37
13	48.22	47.66	47.50	48.26	48.18	48.47	47.91	49.35	49.10	49.09	50.36	49.51
14	48.25	47.64	47.50	48.28	48.16	48.46	47.88	49.46	48.99	49.08	50.40	49.66
15	48.25	47.62	47.50	48.27	48.15	48.44	47.84	49.52	48.93	49.06	50.42	49.90
16	48.22	47.60	47.50	48.27	48.14	48.42	47.82	49.60	48.90	49.04	50.45	49.90
17	48.19	47.59	47.50	48.27	48.13	48.40	47.80	49.60	48.85	49.02	50.48	49.92
18	48.17	47.57	47.50	48.26	48.12	48.39	47.78	49.64	48.80	49.00	50.48	49.94
19	48.14	47.55	47.50	48.26	48.11	48.38	47.75	49.65	48.76	49.10	50.48	49.92
20	48.11	47.52	47.51	48.26	48.10	48.36	47.72	49.68	48.73	49.09	50.66	49.86
21	48.09	47.51	47.52	48.30	48.08	48.34	47.69	49.70	48.70	49.07	50.65	49.90
22	48.06	47.49	47.53	48.30	48.07	48.32	47.67	49.70	48.74	49.08	50.63	50.19
23	48.03	47.47	47.53	48.27	48.06	48.35	47.63	49.70	48.72	49.08	50.60	50.26
24	48.00	47.46	47.57	48.38	48.12	48.33	47.59	49.84	48.70	49.15	50.62	50.59
25	47.98	47.44	47.57	48.38	48.38	48.31	47.62	49.84	48.75	49.13	50.65	50.59
26	47.97	47.44	47.57	48.37	48.38	48.28	47.60	49.82	48.80	49.11	50.67	50.78
27	47.96	47.43	47.58	48.37	48.39	48.25	47.59	49.78	48.85	49.09	50.65	50.80
28	47.96	47.41	47.74	48.36	48.39	48.24	47.57	49.75	48.90	49.05	50.66	50.80
29	47.98	47.39	47.74	48.32	---	48.21	47.54	49.74	48.95	49.03	50.45	50.78
30	47.98	47.38	47.74	48.31	---	48.19	47.50	49.78	49.00	49.01	50.22	50.66
31	47.96	---	47.74	48.30	---	48.17	---	49.76	---	48.99	50.18	---
MEAN	48.19	47.62	47.55	48.16	48.21	48.38	47.84	49.07	49.08	49.09	50.05	50.01
MAX	48.47	47.93	47.74	48.38	48.39	48.56	48.15	49.84	49.74	49.19	50.67	50.80
MIN	47.96	47.38	47.45	47.75	48.06	48.17	47.50	47.36	48.70	48.99	48.94	49.32

WTR YR 1979 MEAN 48.61 MAX 50.80 MIN 47.36

TAMPA BAY AND COASTAL AREAS

02306371 LAKE ELLEN NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°03'36", long 82°29'56", in SW¼ sec.10, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, on private dock, and 3.8 mi (6.1 km) northwest of Sulphur Springs.

SURFACE AREA.--49.9 acres (0.08 mi², 0.20 km²).

DRAINAGE AREA.--4.18 mi² (10.83 km²).

PERIOD OF RECORD.--May 1946 to August 1956 (weekly); July 1971 to January 1978 (twice weekly), incomplete; February 1978 to current year (weekly), incomplete. Records of elevations prior to July 1971 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Aug. 29, 1956, at site 0.2 mi (0.3 km) southeast at datum 13.06 ft (3.981 m) higher; July 2, 1971, to Oct. 10, 1973, at site 0.1 mi (0.2 km) north at datum 21.53 ft (6.562 m) higher.

REMARKS.--Inflow into lake regulated by control at Bay Lake outlet and outflow regulated by control at Lake Ellen outlet.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 43.05 ft (13.122 m) Sept. 25, 1979; minimum daily, 36.63 ft (11.165 m) July 26, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 43.05 ft (13.122 m) Sept. 25; minimum daily, 38.68 ft (11.790 m) Dec. 17, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	40.22	---	---
2	---	---	---	---	---	---	---	---	40.36	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	42.08
5	---	---	---	38.80	---	---	39.68	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	39.48	---	---	---	---	---	---	---	---	---	---	---
8	---	39.00	38.76	---	39.60	40.36	39.59	---	40.36	40.04	39.44	41.40
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	39.60	---	---	---	---	---	---	41.31
11	39.27	---	---	---	---	---	---	---	---	---	41.50	---
12	---	---	---	---	---	---	---	40.78	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	41.52	---
16	39.27	---	---	39.20	---	39.96	39.40	40.32	40.08	39.78	41.38	42.30
17	---	---	38.68	---	---	---	---	---	---	---	---	42.16
18	---	---	---	---	39.58	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	41.35	---
21	---	---	---	---	---	---	---	---	---	---	41.42	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	38.88	---	---	---	---	---	---	---	---	---	---
24	39.40	---	38.68	39.50	---	---	---	40.48	---	39.78	41.40	---
25	---	---	---	---	40.00	---	---	---	39.78	39.77	---	43.05
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	41.50	---
28	---	38.76	---	---	40.10	39.85	---	---	---	---	41.59	42.95
29	---	38.80	---	---	---	---	---	---	---	---	41.77	---
30	---	---	---	---	---	---	---	40.41	---	---	42.32	---
31	39.18	---	---	39.58	---	---	---	---	---	39.60	42.32	---

02306600 LAKE CARROLL NEAR SULPHUR SPRINGS, FL

DRAINAGE AREA, ~1.66 mi² (4.30 km²).

PERIOD OF RECORD.--May 1946 to August 1951 (incomplete); September 1951 to February 1952 (fragmentary); March 1952 to September 1956 (weekly), incomplete; October 1956 to December 1964 (three or four times weekly); January 1965 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISÉD RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 30.00 ft (9.144 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Apr. 4, 1952, at site 0.5 mi (0.8 km) northeast at present datum; Apr. 4, 1952, to Mar. 28, 1957, at site 900 ft (300 m) northeast at present datum; Mar. 28, 1957, to Nov. 21, 1972, at site 200 ft (60 m) north at present datum.

REMARKS.--Lake is in the Sweetwater Creek headwaters chain of lakes. Outflow from lake is to White Trout Lake and is partially controlled by a culvert; high-water outflow is southwestward to Sweetwater Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 40.08 ft (12.216 m) on or about Sept. 25, 1947, from floodmark; minimum daily, 32.35 ft (9.860 m) Mar. 20, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 38.58 ft (11.759 m) Sept. 27; minimum daily, 33.98 ft (10.357 m) Dec. 24, 26, 27.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.00	34.62	34.21	34.14	34.61	34.80	34.80	34.19	35.68	35.38	35.46	37.26
2	35.00	34.60	34.21	34.16	34.60	34.80	34.76	34.18	35.68	35.36	35.46	37.24
3	34.97	34.56	34.20	34.26	34.60	34.80	34.75	34.15	35.68	35.34	35.44	37.24
4	34.95	34.54	34.20	34.22	34.60	34.80	34.75	34.12	35.68	35.32	35.44	37.22
5	35.00	34.55	34.22	34.21	34.60	34.78	34.73	34.10	35.65	35.44	35.42	37.20
6	35.00	34.52	34.21	34.20	34.59	34.83	34.70	34.08	35.60	35.44	35.48	37.20
7	34.95	34.50	34.20	34.20	34.64	35.00	34.69	34.10	35.56	35.42	36.02	37.18
8	34.90	34.48	34.19	34.26	34.62	35.05	34.68	34.10	35.52	35.42	36.62	37.16
9	34.90	34.48	34.19	34.26	34.60	35.08	34.64	35.68	35.50	35.42	36.04	37.16
10	34.90	34.46	34.17	34.24	34.59	35.07	34.61	35.68	35.48	35.40	36.06	37.16
11	34.90	34.45	34.14	34.23	34.58	35.05	34.60	35.67	35.47	35.40	36.50	37.16
12	34.88	34.45	34.12	34.42	34.56	35.04	34.58	35.66	35.46	35.42	36.60	37.20
13	34.86	34.43	34.10	34.50	34.55	35.03	34.57	35.66	35.42	35.38	36.60	37.33
14	34.92	34.42	34.08	34.50	34.55	35.03	34.56	35.78	35.40	35.40	36.60	37.46
15	34.90	34.41	34.06	34.50	34.54	35.02	34.54	35.78	35.39	35.40	36.60	37.58
16	34.90	34.40	34.05	34.49	34.54	35.02	34.51	35.78	35.38	35.38	36.60	37.68
17	34.89	34.38	34.05	34.48	34.54	35.00	34.45	35.80	35.33	35.36	36.60	37.64
18	34.84	34.37	34.04	34.48	34.51	34.95	34.40	35.70	35.30	35.34	36.60	37.63
19	34.78	34.35	34.04	34.48	34.49	34.92	34.39	35.68	35.29	35.36	36.70	37.72
20	34.76	34.34	34.02	34.48	34.45	34.90	34.38	35.69	35.26	35.34	36.70	37.83
21	34.73	34.33	34.02	34.52	34.44	34.90	34.35	35.68	35.25	35.48	36.70	37.94
22	34.71	34.31	34.00	34.52	34.42	34.89	34.34	35.67	35.21	35.48	36.70	38.05
23	34.70	34.29	34.00	34.53	34.40	34.89	34.30	35.65	35.20	35.52	36.70	38.32
24	34.69	34.28	33.98	34.54	34.50	34.90	34.26	35.70	35.20	35.52	36.86	38.49
25	34.68	34.26	34.00	34.68	34.88	34.90	34.30	35.75	35.20	35.52	36.90	38.56
26	34.67	34.24	33.98	34.65	34.85	34.88	34.28	35.73	35.20	35.52	37.04	38.56
27	34.66	34.23	33.98	34.68	34.81	34.87	34.27	35.73	35.20	35.52	37.04	38.58
28	34.64	34.22	34.15	34.66	34.80	34.85	34.25	35.70	35.30	35.50	37.04	38.54
29	34.68	34.21	34.12	34.65	---	34.83	34.22	35.69	35.40	35.50	37.06	38.50
30	34.68	34.20	34.12	34.65	---	34.82	34.20	35.68	35.40	35.48	37.06	38.40
31	34.64	---	34.14	34.65	---	34.80	---	35.68	---	35.48	37.14	---
MEAN	34.83	34.40	34.10	34.43	34.59	34.92	34.50	35.30	35.41	35.43	36.44	37.71
MAX	35.00	34.62	34.22	34.68	34.88	35.08	34.80	35.80	35.68	35.52	37.14	38.58
MIN	34.64	34.20	33.98	34.14	34.40	34.78	34.20	34.08	35.20	35.32	35.42	37.16
CAL YR 1978	MEAN 34.51		MAX 35.16		MIN 33.89							
WTR YR 1979	MEAN 35.17		MAX 38.58		MIN 33.98							

TAMPA BAY AND COASTAL AREAS

02306614 WHITE TROUT LAKE NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'31", long 82°29'34", in SW¼ sec.15, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on northeast shore of lake, on private dock, 2.4 mi (3.9 km) west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.

SURFACE AREA.--74.7 acres (0.12 mi², 0.30 km²).

DRAINAGE AREA.--2.1 mi² (5.4 km²), approximately.

PERIOD OF RECORD.--July 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 19.98 ft (6.090 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Sweetwater Creek headwaters chain of lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 36.58 ft (11.150 m) Sept. 26, 1979; minimum daily, 32.50 ft (9.906 m) June 1, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 36.58 ft (11.150 m) Sept. 26; minimum daily, 34.38 ft (10.479 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.40	35.03	---	---	---	---	---	---	---	---	---	---
2	---	---	34.60	---	---	---	---	---	---	---	34.94	35.53
3	---	---	---	---	---	---	35.46	34.86	35.28	---	---	---
4	---	---	---	34.67	35.16	35.43	---	---	---	34.78	34.98	---
5	---	34.90	---	---	---	---	35.43	---	---	---	---	---
6	35.36	---	34.58	---	---	---	---	---	---	---	---	---
7	---	---	---	34.67	---	---	35.38	---	35.25	---	---	35.45
8	---	---	---	---	35.17	35.76	---	36.48	---	34.88	---	---
9	---	---	---	34.73	---	---	---	---	35.18	---	---	---
10	35.24	---	---	---	35.16	---	---	35.88	---	---	---	35.64
11	35.24	34.85	---	---	---	35.76	35.28	---	---	---	35.98	35.63
12	---	---	---	---	---	---	---	---	---	34.85	---	---
13	---	---	34.47	34.98	---	---	---	---	---	---	---	35.85
14	---	34.80	---	---	---	---	---	35.38	---	---	---	---
15	35.25	---	---	---	---	---	35.25	---	35.03	34.86	35.76	---
16	---	---	34.43	---	35.08	35.68	---	---	---	---	---	---
17	---	---	34.46	---	---	---	---	---	35.03	---	---	35.93
18	---	---	---	---	---	---	---	---	---	---	35.38	---
19	35.16	---	---	35.03	35.06	---	---	---	---	---	---	35.73
20	---	---	---	---	---	---	35.10	35.28	---	34.88	---	---
21	35.13	34.71	---	---	---	35.63	---	---	34.86	---	---	---
22	---	---	34.38	---	---	---	---	---	---	34.85	35.41	36.28
23	---	---	---	35.06	35.03	---	34.98	35.26	---	34.82	---	---
24	---	34.58	---	---	---	35.63	---	---	---	---	---	---
25	---	---	---	---	35.45	---	---	35.38	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	35.41	36.58
27	35.09	34.60	---	---	---	---	---	---	34.76	---	---	---
28	---	34.59	34.56	35.18	35.48	35.56	34.96	---	---	---	---	---
29	---	---	---	---	---	---	---	35.33	34.88	---	35.38	---
30	35.06	34.58	---	---	---	---	34.88	35.32	---	---	---	36.33
31	---	---	34.58	35.18	---	35.50	---	---	---	34.93	---	---

TAMPA BAY AND COASTAL AREAS

02306700 BROWNS LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°10'19", long 82°29'01", in SW¼ sec.35, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100206, on northwest shore of lake, on private dock, 2.0 mi (3.2 km) northwest of Lutz.

SURFACE AREA.--29.1 acres (0.05 mi², 0.12 km²).

DRAINAGE AREA.--1.3 mi² (3.4 km²), approximately.

PERIOD OF RECORD.--June to November 1971; December 1971 to September 1977 (twice weekly), incomplete; October 1977 to current year (weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Feb. 12, 1974, at datum 9.23 ft (2.813 m) higher.

REMARKS.--Lake is near the Lutz and Pasco County well fields.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, unknown (above 63.5 ft, 19.4 m) during August and September 1979; minimum daily, 58.90 ft (17.953 m) June 23, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, unknown (above 63.5 ft, 19.4 m) during August and September; minimum daily, 61.40 ft (18.715 m) Dec. 16, 17, 24, 26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.20	---	---	61.80	---	62.55	---	---	---	62.42	61.60	62.90
2	---	61.80	---	---	62.32	---	62.22	---	62.60	---	---	---
3	62.20	---	---	---	---	---	---	61.80	---	---	---	---
4	---	---	---	---	---	---	62.20	---	---	---	---	---
5	---	---	---	---	---	---	---	61.70	---	---	---	---
6	---	---	---	---	62.30	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	62.70
8	62.18	61.76	---	61.94	62.30	62.60	62.18	---	62.40	62.26	62.00	---
9	62.18	---	61.45	61.94	---	62.60	---	---	---	---	62.00	62.70
10	---	61.74	---	---	62.30	---	62.16	---	62.35	62.28	---	---
11	62.11	---	---	61.97	---	---	---	---	---	---	---	---
12	---	---	---	---	---	62.55	---	---	---	---	---	---
13	---	---	---	---	---	---	---	63.40	---	62.30	---	---
14	---	---	---	---	---	---	---	---	---	62.32	---	63.00
15	---	---	---	---	---	---	---	---	---	---	---	---
16	62.00	61.60	61.40	62.24	62.32	62.50	62.10	63.16	62.20	62.32	62.40	---
17	---	61.60	61.40	---	62.34	62.50	---	---	---	62.36	62.40	63.00
18	62.00	---	---	62.30	---	---	62.00	63.10	62.16	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	62.38	62.45	---	---	---	62.34	---	---
21	---	61.56	---	---	---	---	---	---	---	---	---	62.90
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	62.60	63.00
24	61.87	61.50	61.40	62.40	62.50	62.40	61.96	63.34	62.10	62.36	---	---
25	61.87	61.50	---	---	---	62.35	---	---	---	62.54	63.00	---
26	---	---	61.40	---	62.54	---	61.96	63.20	---	---	---	---
27	---	---	---	62.46	---	---	---	---	62.40	---	---	---
28	---	---	---	---	62.68	62.30	---	---	---	---	---	---
29	---	61.50	61.70	---	---	---	---	---	---	---	---	---
30	---	61.50	---	---	---	---	61.90	62.67	62.44	---	62.90	---
31	61.85	---	61.74	62.32	---	62.24	---	62.80	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02306704 LAKE HARVEY NEAR LUTZ, FL

LOCATION.--Lat 28°09'43", long 82°29'12", in SE¼ sec.3, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on south shore of lake, on private dock, 1.7 mi (2.7 km) northwest of Lutz.

SURFACE AREA.--20.7 acres (0.03 mi², 0.08 km²).

DRAINAGE AREA.--1.7 mi² (4.4 km²), approximately.

PERIOD OF RECORD.--April 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 54.93 ft (16.743 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is connected by canals from Lake Joy and to Lake Virginia. Lake is near the Pasco County well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 63.28 ft (19.288 m) Sept. 20, 1979; minimum, 58.19 ft (17.736 m) May 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 63.28 ft (19.288 m) Sept. 20; minimum, 60.03 ft (18.297 m) Dec. 22, 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61.26	60.67	60.23	60.29	61.11	61.63	61.31	60.60	61.91	61.42	61.61	62.60
2	61.26	60.65	60.24	60.36	61.11	61.62	61.29	60.58	61.86	61.41	61.59	62.65
3	61.24	60.62	60.24	60.42	61.10	61.61	61.27	60.55	61.81	61.39	61.57	62.49
4	61.20	60.60	60.22	60.41	61.10	61.59	61.25	60.52	61.77	61.38	61.55	62.20
5	61.19	60.57	60.23	60.41	61.11	61.58	61.23	60.49	61.73	61.39	61.59	62.17
6	61.17	60.55	60.24	60.41	61.12	61.70	61.22	60.47	61.70	61.38	61.71	62.30
7	61.13	60.54	60.22	60.42	61.15	61.80	61.19	60.47	61.67	61.37	61.84	62.44
8	61.10	60.53	60.22	60.46	61.16	61.79	61.16	61.66	61.64	61.41	62.03	62.78
9	61.06	60.52	60.21	60.46	61.17	61.78	61.13	62.82	61.62	61.40	62.15	62.99
10	61.04	60.50	60.20	60.45	61.17	61.75	61.11	62.91	61.58	61.38	62.22	62.95
11	61.02	60.48	60.18	60.45	61.17	61.73	61.09	62.87	61.55	61.35	62.35	62.85
12	61.01	60.46	60.17	60.63	61.18	61.70	61.06	62.79	61.52	61.38	62.65	62.72
13	61.00	60.45	60.15	60.76	61.18	61.66	61.04	62.73	61.49	61.40	62.78	62.59
14	61.00	60.43	60.14	60.79	61.19	61.64	61.01	62.74	61.46	61.38	62.79	62.48
15	60.99	60.41	60.12	60.79	61.19	61.60	60.99	62.62	61.43	61.37	62.74	62.65
16	60.97	60.40	60.11	60.79	61.20	61.56	60.96	62.54	61.40	61.34	62.65	62.75
17	60.94	60.38	60.10	60.79	61.22	61.53	60.92	62.42	61.38	61.33	62.60	63.11
18	60.92	60.37	60.09	60.79	61.24	61.51	60.89	62.32	61.34	61.34	62.52	63.24
19	60.90	60.35	60.07	60.79	61.24	61.49	60.86	62.21	61.31	61.44	62.56	63.25
20	60.88	60.34	60.06	60.80	61.25	61.47	60.83	62.12	61.28	61.64	63.02	63.25
21	60.87	60.32	60.05	60.85	61.25	61.45	60.80	62.03	61.25	61.64	63.06	63.17
22	60.85	60.30	60.05	60.85	61.27	61.44	60.77	61.95	61.22	61.62	63.05	63.06
23	60.83	60.29	60.03	60.85	61.29	61.46	60.73	61.89	61.21	61.59	63.08	63.04
24	60.81	60.27	60.05	60.97	61.37	61.51	60.71	61.94	61.18	61.64	63.13	62.92
25	60.79	60.25	60.09	60.98	61.56	61.49	60.73	62.09	61.15	61.80	63.19	62.80
26	60.77	60.23	60.08	60.99	61.66	61.46	60.72	62.10	61.12	61.81	63.10	62.68
27	60.75	60.21	60.07	61.01	61.65	61.44	60.70	62.10	61.10	61.79	62.99	62.68
28	60.74	60.20	60.23	61.04	61.64	61.41	60.67	62.08	61.16	61.77	62.86	62.67
29	60.73	60.18	60.28	61.08	---	61.38	60.65	62.03	61.40	61.74	62.74	62.67
30	60.71	60.17	60.29	61.09	---	61.36	60.61	61.98	61.42	61.70	62.64	62.66
31	60.69	---	60.29	61.11	---	61.34	---	61.95	---	61.66	62.60	---
MEAN	60.96	60.41	60.16	60.72	61.25	61.56	60.96	61.89	61.46	61.51	62.48	62.76
MAX	61.26	60.67	60.29	61.11	61.66	61.80	61.31	62.91	61.91	61.81	63.19	63.25
MIN	60.69	60.17	60.03	60.29	61.10	61.34	60.61	60.47	61.10	61.33	61.55	62.17
CAL YR 1978	MEAN 60.81		MAX 62.56	MIN 59.00								
WTR YR 1979	MEAN 61.34		MAX 63.25	MIN 60.03								

TAMPA BAY AND COASTAL AREAS

02306714 LAKE ALLEN NEAR LUTZ, FL

LOCATION.--Lat 28°09'22", long 82°29'16", in NE¼ sec.10, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on east shore of lake, on private dock, 1.6 mi (2.6 km) southwest of Lutz.

SURFACE AREA.--28.4 acres (0.04 mi², 0.11 km²).

DRAINAGE AREA.--1.8 mi² (4.7 km²).

PERIOD OF RECORD.--June 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Mar. 1, 1972, at site 250 ft (75 m) northeast at datum 30.94 ft (9.430 m) higher.

REMARKS.--Lake is near the Lutz and Pasco County well fields.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 63.24 ft (19.276 m) Sept. 25, 1979; minimum daily, 58.20 ft (17.739 m) May 7, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 63.24 ft (19.276 m) Sept. 25; minimum daily, 60.00 ft (18.288 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	60.24	---	---	---	---	---	---	---	---
2	61.20	---	---	---	61.08	61.48	61.24	60.60	---	61.40	61.60	---
3	---	60.62	---	---	---	---	---	---	---	---	---	---
4	---	---	60.22	---	---	---	61.21	---	61.74	---	---	62.56
5	---	---	---	60.34	61.09	---	---	---	---	---	---	---
6	61.14	60.56	---	---	61.10	---	61.20	---	---	61.38	---	---
7	---	---	---	---	---	---	---	60.52	---	---	---	62.32
8	---	---	60.20	---	---	61.74	---	---	61.64	---	62.10	---
9	61.04	---	---	60.38	---	---	61.12	62.72	---	61.40	---	---
10	---	60.50	---	---	61.14	---	---	62.80	---	---	62.26	62.20
11	61.02	---	60.16	---	---	---	---	62.76	61.56	---	---	---
12	---	---	---	60.60	---	61.60	---	---	---	---	---	---
13	61.00	60.46	---	---	---	---	61.06	---	---	61.40	62.80	---
14	---	---	---	---	---	---	---	---	---	---	---	62.50
15	---	---	60.10	---	---	---	---	---	61.46	---	---	---
16	60.96	---	---	---	61.14	61.50	---	---	---	---	62.66	---
17	60.94	60.40	---	60.80	---	---	---	62.38	---	---	---	62.94
18	---	---	60.06	---	---	61.44	60.92	---	61.38	61.38	---	---
19	---	---	---	---	61.12	---	---	---	---	---	---	---
20	60.88	60.36	---	---	---	---	---	---	---	---	63.02	---
21	---	---	---	---	---	---	---	61.94	---	---	---	62.48
22	---	---	60.00	60.88	---	---	---	---	61.26	---	---	---
23	60.84	---	---	---	61.14	61.38	60.86	---	---	61.62	---	---
24	---	60.26	---	---	---	---	---	---	---	---	63.10	---
25	---	---	60.02	61.08	---	61.40	60.74	62.04	61.16	61.87	---	63.24
26	---	---	---	---	---	---	---	---	---	---	---	---
27	60.76	60.20	---	---	61.54	---	---	---	---	---	---	---
28	---	60.18	---	---	---	---	---	---	---	---	62.82	63.16
29	---	---	60.22	61.06	---	---	---	---	61.40	---	---	---
30	60.72	60.16	---	---	---	61.30	60.64	61.91	---	---	---	---
31	---	---	---	---	---	---	---	61.90	---	61.68	62.58	---

02306723 TURKEY FORD LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 54.54 ft (16.624 m) Sept. 24, 25, 27; minimum, 51.04 ft (15.557 m) Dec. 23, 24.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.25	51.52	51.19	51.29	52.48	52.50	52.14	51.35	52.88	51.68	51.46	53.90
2	52.25	51.49	51.21	51.37	52.44	52.54	52.10	51.33	52.85	51.65	51.44	53.84
3	52.24	51.46	51.20	51.44	52.40	52.55	52.07	51.32	52.80	51.63	51.42	53.75
4	52.21	51.44	51.19	51.43	52.37	52.56	52.03	51.30	52.76	51.64	51.40	53.67
5	52.18	51.42	51.22	51.43	52.33	52.55	52.00	51.28	52.72	51.66	51.40	53.60
6	52.15	51.40	51.21	51.43	52.30	52.67	51.99	51.27	52.67	51.64	51.44	53.53
7	52.11	51.39	51.21	51.43	52.30	52.87	51.95	51.27	52.62	51.63	51.51	53.46
8	52.06	51.38	51.20	51.46	52.28	52.92	51.91	52.08	52.56	51.65	51.69	53.40
9	52.02	51.37	51.20	51.47	52.26	52.92	51.87	53.90	52.50	51.64	52.41	53.35
10	51.98	51.36	51.18	51.46	52.23	52.89	51.85	54.27	52.43	51.61	52.87	53.31
11	51.95	51.34	51.16	51.46	52.19	52.86	51.82	54.11	52.37	51.59	53.28	53.29
12	51.92	51.33	51.15	51.68	52.16	52.81	51.79	53.90	52.30	51.59	53.95	53.28
13	51.91	51.31	51.13	52.01	52.13	52.77	51.77	53.74	52.23	51.60	54.23	53.35
14	51.90	51.29	51.12	52.26	52.10	52.74	51.75	53.65	52.18	51.59	54.19	53.42
15	51.89	51.28	51.11	52.39	52.07	52.70	51.72	53.58	52.12	51.59	54.00	53.77
16	51.85	51.27	51.10	52.45	52.05	52.65	51.67	53.60	52.08	51.58	53.81	53.96
17	51.81	51.26	51.10	52.47	52.02	52.61	51.63	53.54	52.03	51.57	53.74	53.94
18	51.78	51.26	51.08	52.48	51.99	52.57	51.60	53.45	51.98	51.54	53.70	53.84
19	51.76	51.24	51.07	52.46	51.96	52.53	51.57	53.35	51.93	51.54	53.66	53.74
20	51.74	51.23	51.07	52.44	51.93	52.49	51.54	53.28	51.89	51.56	54.01	53.64
21	51.71	51.22	51.07	52.48	51.91	52.44	51.52	53.21	51.84	51.54	54.14	53.59
22	51.68	51.20	51.06	52.46	51.89	52.40	51.48	53.13	51.81	51.52	54.09	53.85
23	51.66	51.19	51.05	52.44	51.88	52.39	51.45	53.06	51.80	51.54	54.12	53.94
24	51.64	51.18	51.07	52.59	51.87	52.41	51.43	53.07	51.77	51.61	54.07	54.46
25	51.62	51.17	51.11	52.64	52.02	52.39	51.45	53.16	51.75	51.61	54.05	54.46
26	51.60	51.15	51.10	52.65	52.22	52.35	51.44	53.10	51.71	51.59	54.03	54.42
27	51.58	51.13	51.09	52.64	52.35	52.31	51.42	53.04	51.66	51.57	53.99	54.51
28	51.57	51.12	51.25	52.62	52.44	52.27	51.40	52.99	51.67	51.56	53.97	54.34
29	51.56	51.12	51.29	52.59	---	52.24	51.39	52.94	51.73	51.53	53.90	54.19
30	51.55	51.11	51.29	52.55	---	52.21	51.37	52.91	51.71	51.51	54.11	54.15
31	51.53	---	51.29	52.52	---	52.17	---	52.91	---	51.48	54.05	---
MEAN	51.86	51.29	51.15	52.08	52.16	52.56	51.70	52.87	52.18	51.59	53.23	53.80
MAX	52.25	51.52	51.29	52.65	52.48	52.92	52.14	54.27	52.88	51.68	54.23	54.51
MIN	51.53	51.11	51.05	51.29	51.87	52.17	51.37	51.27	51.66	51.48	51.40	53.28
CAL YR 1978	MEAN 51.66		MAX 53.61		MIN 50.74							
WTR YR 1979	MEAN 52.21		MAX 54.51		MIN 51.05							

TAMPA BAY AND COASTAL AREAS

02306744 PRETTY LAKE NEAR CITRUS PARK, FL

LOCATION.--Lat 28°06'16", long 82°33'55", in SW¼ sec.25, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on southeast shore of lake, on private dock, 1.8 mi (2.9 km) north of Citrus Park.

SURFACE AREA.--79.1 acres (0.12 mi², 0.32 km²).

DRAINAGE AREA.--13 mi² (34 km²), approximately.

PERIOD OF RECORD.--July 1971 to October 1974 (twice weekly), incomplete; November 1974 to September 1978, incomplete; October 1978 to September 1979 (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 31.72 ft (9.668 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 45.18 ft (13.771 m) Sept. 15, 1971; minimum daily, 40.31 ft (12.286 m) July 7, 28, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 45.04 ft (13.728 m) Sept. 2; minimum daily, 41.62 ft (12.686 m) Nov. 20, 27.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	42.12	41.87	41.82	---	---	---	---	42.93	---	---	---
2	42.72	---	---	---	---	---	---	---	---	---	---	45.04
3	---	42.22	---	---	---	---	43.62	---	---	---	---	44.92
4	42.56	---	41.92	---	---	---	---	---	---	---	41.68	---
5	42.52	---	---	41.97	---	43.84	43.56	---	---	---	---	---
6	---	42.02	---	---	---	---	43.56	---	---	---	---	---
7	---	---	---	---	43.74	---	---	---	---	---	41.72	---
8	---	42.12	41.82	---	---	---	---	---	---	42.02	---	---
9	---	---	---	42.72	---	---	---	---	42.36	---	---	---
10	---	---	---	---	---	---	---	---	---	42.00	---	43.75
11	---	---	---	---	---	---	---	44.92	---	---	---	---
12	---	---	41.87	42.52	---	---	---	---	---	42.02	43.56	---
13	---	41.72	---	---	---	44.06	43.36	---	42.32	---	---	---
14	---	---	---	---	---	---	---	---	---	---	44.82	43.62
15	---	---	41.90	---	---	---	43.34	43.96	---	---	---	---
16	42.41	41.82	---	---	---	43.94	---	44.02	---	---	---	43.82
17	42.42	---	---	42.92	---	---	---	---	---	---	---	44.48
18	---	---	41.90	---	---	---	---	---	42.02	---	---	---
19	42.32	---	---	---	43.82	---	---	---	---	---	---	---
20	---	41.62	---	---	---	---	43.12	---	---	41.99	---	---
21	---	---	---	---	---	---	---	---	---	---	---	44.34
22	---	---	---	---	---	---	43.52	---	---	41.92	44.70	---
23	---	---	---	43.32	43.52	---	---	---	---	---	44.90	44.52
24	---	41.82	---	---	---	---	---	44.32	---	---	---	---
25	---	---	41.90	---	---	---	---	---	---	41.90	---	---
26	---	---	---	44.02	---	---	---	---	---	---	---	---
27	---	41.62	---	---	---	---	---	---	---	41.82	---	---
28	---	---	---	---	---	---	---	44.32	---	---	---	---
29	---	---	41.82	43.82	---	---	---	44.22	---	---	44.66	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	41.78	44.94	---

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02306782 VAN DYKE LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'43", long 82°31'09", in SE¼ sec.17, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on south shore of lake, on private dock, 3.9 mi (6.3 km) southwest of Lutz.

SURFACE AREA.--13.0 acres (0.02 mi², 0.05 km²).

DRAINAGE AREA.--0.4 mi² (1.0 km²), approximately.

PERIOD OF RECORD.--March 1970 to September 1977; October 1977 to current year (fragmentary).

GAGE.--Nonrecording gage. Datum of gage is 50.69 ft (15.450 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to October 1977, water-stage recorder at present site and datum.

REMARKS.--Lake is landlocked and near the Lutz well field. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 56.74 ft (17.294 m) June 26, 1974; minimum, 52.70 ft (16.063 m) July 6, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 56.43 ft (17.200 m) Sept. 28; minimum daily, 54.23 ft (16.529 m) Nov. 29.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

Oct. 11	55.12	May 30	55.73
Nov. 29	54.23	July 23	55.30
Feb. 6	55.08	Sept. 10	56.07
Apr. 5	55.21	17	56.33
		28	56.43

02306788 DOSSON LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 55.21 ft (16.828 m) Sept. 24; minimum daily, 51.51 ft (15.700 m) Dec. 22.

[illegible]

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02307025 GLASS LAKE NEAR LAKE FERN, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 33.29 ft (10.147 m) Sept. 18; minimum daily, 30.69 ft (9.354 m) Dec. 7.

JAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---		31.18	---
2	---	---	---	---	---	---	---	---	---		---	---
3	---	---	---	---	---	---	---	---	---		---	---
4	---	---	---	30.78	---	---	---	---	---		---	---
5	---	---	---	---	---	---	---	---	---		---	---
6	---	---	---	---	---	---	---	---	---		---	---
7	---	---	30.69	---	---	---	---	---	---		---	---
8	---	---	---	---	---	---	---	---	---		---	---
9	---	---	---	---	---	---	---	---	---		---	---
10	---	---	---	---	---	---	---	---	---		---	---
11	---	---	---	---	---	---	---	---	31.44		---	---
12	---	---	---	30.84	31.34	---	---	---	---		---	---
13	---	---	---	---	---	---	---	---	---		---	33.10
14	---	---	---	---	---	---	---	---	---		---	---
15	---	---	---	---	---	---	---	---	---		---	---
16	31.52	30.84	---	---	---	---	---	---	---		---	---
17	---	---	---	---	---	---	---	31.72	---		---	---
18	---	---	---	---	---	---	---	---	---		---	33.29
19	---	---	---	---	---	---	31.05	---	---		---	---
20	31.42	---	---	---	---	---	---	---	31.17		---	---
21	---	---	---	---	---	31.59	---	---	---		---	---
22	---	---	---	---	---	---	---	31.58	---		---	---
23	---	---	---	---	---	---	---	---	---		---	---
24	---	---	---	---	---	---	---	---	---		---	---
25	---	---	---	---	---	---	---	---	---		---	---
26	---	---	---	---	---	---	---	---	---		---	---
27	---	---	---	---	31.28	---	---	---	30.96		---	---
28	---	---	---	---	---	---	---	---	---		---	---
29	---	---	---	---	---	---	---	---	---		32.35	---
30	---	---	---	---	---	31.48	---	---	---		---	---
31	31.21	---	---	31.39	---	---	---	---	---		---	---

TAMPA BAY AND COASTAL AREAS

02307197 MOUND LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°08'54", long 82°34'31", in SE¼ sec.11, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, on private dock, and 3.6 mi (5.8 km) southeast of Odessa.

SURFACE AREA.--64.0 acres (0.10 mi², 0.26 km²).

DRAINAGE AREA.--0.3 mi² (0.8 km²).

PERIOD OF RECORD.--July 1972 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 30.63 ft (9.336 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 51.62 ft (15.734 m) June 27, 1974; minimum daily, 47.93 ft (14.609 m) July 18, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 51.08 ft (15.569 m) Sept. 28; minimum daily, 48.97 ft (14.926 m) Dec. 16.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	50.02	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	49.87	---	---	49.29	---	49.53	49.41	---
4	---	---	49.09	---	---	---	49.78	---	49.97	---	---	---
5	49.79	---	---	49.25	---	---	---	---	---	---	---	---
6	---	49.31	---	---	---	---	---	---	49.93	49.51	---	---
7	---	---	---	---	---	---	49.73	---	---	---	49.55	---
8	---	---	49.09	---	49.90	---	---	49.95	---	---	---	50.35
9	49.69	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	49.83	49.59	---	50.29
11	---	---	---	---	---	---	49.67	---	---	---	---	---
12	---	---	---	---	49.85	---	---	---	---	---	50.25	---
13	---	49.21	---	49.59	---	---	---	---	---	---	---	---
14	---	---	---	---	---	50.05	49.63	50.29	---	---	---	---
15	---	---	---	49.63	49.83	---	---	---	49.69	---	---	---
16	---	---	48.97	---	---	---	---	---	---	49.61	---	---
17	49.59	---	---	---	---	---	---	---	---	---	50.41	50.67
18	---	---	---	49.69	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	49.51	---	---	49.57	---	---
20	---	---	---	---	---	---	---	50.03	---	---	50.43	---
21	---	49.13	---	---	---	49.93	---	---	---	---	---	---
22	---	---	---	---	49.79	---	---	---	49.55	49.53	---	---
23	---	---	---	---	---	---	---	49.95	---	---	---	---
24	---	---	---	---	---	---	---	---	---	49.56	50.33	50.83
25	49.45	---	---	49.89	---	---	49.41	---	---	---	---	---
26	---	49.05	---	---	---	---	---	---	---	---	---	---
27	---	49.04	---	---	49.97	---	---	---	49.47	---	---	---
28	---	---	---	---	---	---	---	---	---	---	50.25	51.08
29	---	---	---	---	---	---	---	49.97	49.59	---	---	---
30	49.45	---	---	---	---	---	49.33	---	---	49.47	50.63	---
31	---	---	49.07	---	---	49.81	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02307227 CALM LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°08'20", long 82°34'57", in NW¼ sec.14, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on southwest shore of lake, 3.8 mi (6.1 km) south of Odessa.

SURFACE AREA.--125 acres (0.20 mi², 0.51 km²).

DRAINAGE AREA.--0.4 mi² (1.0 km²), approximately.

PERIOD OF RECORD.--January 1965 to July 1972; August 1972 to March 1978 (weekly), incomplete; April 1978 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 17, 1965, at site 0.2 mi (0.3 km) northwest at datum 1.00 ft (0.305 m) lower.

REMARKS.--Lake has no surface outlet and is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 50.60 ft (15.423 m) Mar. 12, 13, 14, 29, 30, 31, 1970; minimum daily, 43.80 ft (13.350 m) June 2, 3, 4, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 48.52 ft (14.789 m) Sept. 28, 30; minimum daily, 46.06 ft (14.039 m) Aug. 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	46.57	---	---	---	---	---	46.85	---	---	---
2	47.30	---	---	---	---	---	---	---	---	---	---	---
3	---	46.80	---	46.55	---	---	---	---	---	---	---	---
4	---	---	46.56	---	---	47.00	46.75	46.19	46.84	46.30	46.06	47.55
5	47.24	---	---	---	46.90	---	---	---	---	---	---	---
6	47.20	46.80	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	46.55	46.66	46.88	47.08	46.70	46.70	46.85	46.33	46.20	47.53
9	47.20	---	---	---	---	---	---	---	---	---	---	---
10	---	46.70	---	---	---	---	---	---	---	---	---	47.48
11	---	---	46.48	---	---	---	---	---	---	---	---	---
12	---	---	---	46.75	46.82	47.02	46.60	46.96	46.66	46.32	46.76	47.65
13	47.10	46.70	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	47.00	---	46.44	46.80	46.80	46.98	46.53	47.00	46.52	46.34	46.80	47.85
17	---	46.60	---	---	---	---	---	---	---	---	---	47.85
18	---	---	46.40	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	46.90	46.60	---	46.80	46.78	46.96	46.50	46.90	46.42	46.30	47.00	48.05
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	46.37	---	---	---	---	---	---	---	---	---
23	46.90	---	---	---	---	---	---	---	---	---	---	---
24	---	46.55	46.33	46.90	46.79	46.98	46.44	46.84	46.40	46.22	47.03	48.30
25	---	---	46.37	---	---	---	---	---	---	46.20	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	46.90	46.49	---	46.92	---	---	---	---	---	46.19	---	---
28	---	---	---	---	46.92	46.82	46.30	46.88	46.30	46.16	47.30	48.52
29	---	46.48	46.49	---	---	---	---	---	---	---	---	---
30	46.90	---	---	---	---	---	46.28	---	46.36	---	---	48.52
31	---	---	46.48	47.00	---	46.81	---	46.80	---	46.10	47.50	---

TAMPA BAY AND COASTAL AREAS

02307242 KEYSTONE LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°08'10", long 82°35'48", in NW¼ sec.15, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, on private dock, 0.6 mi (1.0 km) southeast of junction State Highway 582 and Crawley Road, and 4.0 mi (6.4 km) south of Odessa.

SURFACE AREA.--388 acres (0.61 mi², 1.57 km²).

DRAINAGE AREA.--10 mi² (26 km²), approximately.

PERIOD OF RECORD.--April 1946 to September 1974, records for Brooker Creek near Odessa; October 1974 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 12, 1974, at site on north shore of lake 0.8 mi (1.3 km) northeast at datum 30.00 ft (9.144 m) higher; Sept. 13, 1971, to Sept. 9, 1974, supplementary nonrecording gage 0.7 mi (1.1 km) northeast at datum 10.00 ft (3.048 m) higher.

REMARKS.--Lake is at the headwaters of Brooker Creek. Since May 1955, flow in Brooker Creek regulated by vertical lift gates at control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 43.60 ft (13.289 m) Mar. 19, 1960; minimum, 37.88 ft (11.546 m) May 31, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 42.58 ft (12.978 m) Sept. 28; minimum, 39.90 ft (12.162 m) Aug. 4, 5.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.84	40.48	40.15	40.15	41.01	41.08	40.92	40.41	40.64	40.23	39.95	41.97
2	40.84	40.46	40.16	40.23	41.01	41.07	40.91	40.41	40.65	40.21	39.94	41.96
3	40.83	40.44	40.15	40.27	41.01	41.06	40.90	40.38	40.66	40.19	39.93	41.90
4	40.82	40.41	40.14	40.26	41.01	41.05	40.89	40.36	40.66	40.18	39.92	41.83
5	40.80	40.39	40.17	40.26	41.01	41.04	40.88	40.34	40.66	40.19	39.92	41.76
6	40.80	40.38	40.17	40.26	41.02	41.14	40.88	40.34	40.65	40.18	39.96	41.68
7	40.77	40.37	40.16	40.26	41.04	41.20	40.86	40.34	40.65	40.17	40.04	41.59
8	40.74	40.36	40.16	40.30	41.03	41.21	40.84	40.72	40.63	40.21	40.05	41.50
9	40.71	40.34	40.15	40.30	41.02	41.21	40.82	41.09	40.62	40.21	40.07	41.42
10	40.69	40.33	40.12	40.29	41.01	41.19	40.81	41.15	40.59	40.20	40.06	41.35
11	40.68	40.32	40.10	40.29	41.00	41.18	40.80	41.21	40.56	40.18	40.27	41.30
12	40.66	40.30	40.08	40.45	40.99	41.16	40.78	41.24	40.53	40.17	40.60	41.25
13	40.66	40.29	40.06	40.55	40.98	41.15	40.76	41.25	40.50	40.18	40.83	41.29
14	40.67	40.28	40.04	40.59	40.98	41.13	40.74	41.25	40.47	40.19	41.04	41.38
15	40.65	40.27	40.03	40.61	40.98	41.11	40.72	41.23	40.45	40.19	41.18	41.48
16	40.62	40.26	40.02	40.63	40.97	41.09	40.69	41.19	40.43	40.18	41.28	41.52
17	40.60	40.25	40.01	40.65	40.97	41.07	40.66	41.13	40.41	40.18	41.39	41.54
18	40.58	40.23	40.00	40.66	40.96	41.05	40.64	41.06	40.39	40.19	41.41	41.54
19	40.56	40.22	39.99	40.68	40.96	41.03	40.61	41.00	40.36	40.17	41.45	41.51
20	40.55	40.20	39.98	40.71	40.95	41.02	40.59	40.94	40.34	40.16	41.56	41.49
21	40.54	40.19	39.98	40.77	40.94	41.01	40.56	40.88	40.31	40.14	41.56	41.46
22	40.52	40.17	39.97	40.78	40.95	41.00	40.54	40.82	40.30	40.11	41.59	41.55
23	40.50	40.16	39.96	40.80	40.95	41.01	40.51	40.77	40.28	40.10	41.64	41.63
24	40.49	40.14	39.97	40.90	40.97	41.02	40.49	40.77	40.26	40.11	41.62	41.97
25	40.48	40.13	40.00	40.94	41.08	41.00	40.51	40.83	40.24	40.10	41.59	42.10
26	40.46	40.11	39.99	40.96	41.11	40.98	40.49	40.79	40.21	40.09	41.54	42.40
27	40.45	40.10	39.98	40.99	41.10	40.97	40.48	40.75	40.19	40.06	41.51	42.54
28	40.46	40.09	40.12	41.01	41.09	40.96	40.46	40.70	40.20	40.04	41.47	42.58
29	40.52	40.07	40.15	41.01	---	40.95	40.44	40.66	40.26	40.02	41.51	42.56
30	40.51	40.07	40.15	41.02	---	40.94	40.42	40.62	40.24	40.00	41.82	42.52
31	40.50	---	40.15	41.02	---	40.93	---	40.62	---	39.98	41.92	---
MEAN	40.63	40.26	40.07	40.60	41.00	41.06	40.69	40.81	40.44	40.15	40.92	41.75
MAX	40.84	40.48	40.17	41.02	41.11	41.21	40.92	41.25	40.66	40.23	41.92	42.58
MIN	40.45	40.07	39.96	40.15	40.94	40.93	40.42	40.34	40.19	39.98	39.92	41.25
CAL YR 1978	MEAN 40.62		MAX 41.58		MIN 39.51							
WTR YR 1979	MEAN 40.70		MAX 42.58		MIN 39.92							

TAMPA BAY AND COASTAL AREAS

02307283 CRESCENT LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°09'37", long 82°35'42", in SW¼ sec.3, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on northwest shore of lake, on private dock, and 2.3 mi (3.7 km) south of Odessa.

SURFACE AREA.--45.9 acres (0.07 mi², 0.19 km²).

DRAINAGE AREA.--1.2 mi² (3.1 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Dec. 27, 1977, at present site at datum 32.30 ft (9.845 m) higher.

REMARKS.--Lake is near the Cosme well field. High-water outflow to Island Ford Lake partially controlled by culverts.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 43.35 ft (13.213 m), from floodmark, probably occurred June 27, 1974; minimum daily, 35.70 ft (10.881 m) July 1, 2, 3, 4, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 42.60 ft (12.984 m) Sept. 28; minimum daily, 39.52 ft (12.046 m) Aug. 3.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	40.20	40.00	---	---	---	---	40.80	---	---	---
2	41.39	---	---	---	40.78	41.05	41.55	---	---	40.06	---	---
3	---	40.84	---	---	---	---	---	---	---	---	39.52	41.87
4	---	---	40.16	---	---	---	41.52	40.64	40.80	---	---	---
5	41.34	---	---	40.12	---	---	---	---	---	---	---	---
6	41.33	40.75	---	---	40.80	41.10	41.48	---	---	39.94	39.55	---
7	---	---	---	---	40.84	---	---	---	---	---	---	41.69
8	---	---	40.14	40.15	---	---	---	40.56	40.76	---	---	---
9	41.28	---	---	---	40.85	41.45	41.45	---	---	40.00	---	---
10	---	40.62	40.02	---	---	---	---	---	---	---	39.74	41.70
11	---	---	---	---	---	---	---	41.20	40.64	---	---	41.70
12	---	---	---	40.30	40.83	---	---	---	---	---	---	---
13	41.16	40.50	---	---	---	---	41.25	---	---	39.90	40.05	---
14	---	---	---	---	---	---	---	41.20	---	---	---	---
15	---	---	39.90	40.48	---	---	---	---	40.50	---	---	41.95
16	41.14	---	---	---	40.80	41.68	41.20	---	---	39.94	---	---
17	---	40.46	---	---	---	---	---	---	---	---	41.40	41.85
18	---	---	39.88	---	---	---	---	41.10	40.42	---	---	---
19	---	---	---	40.50	40.79	41.70	---	---	---	---	---	---
20	41.02	---	---	---	---	---	41.05	---	---	39.96	41.82	---
21	---	---	---	---	---	---	---	40.98	---	---	---	41.65
22	---	---	39.80	40.58	---	---	---	---	40.30	---	---	---
23	40.96	---	---	---	40.76	41.67	40.90	---	---	39.82	---	---
24	---	40.30	---	---	---	---	---	---	---	---	41.85	42.50
25	---	---	39.86	40.70	---	---	---	40.99	40.20	39.84	---	---
26	---	---	---	---	41.00	41.70	---	---	---	---	---	---
27	40.90	40.22	---	---	---	---	40.75	---	---	39.72	41.60	---
28	---	---	---	---	---	---	---	40.84	---	---	---	42.60
29	---	---	39.98	40.68	---	---	---	---	40.20	---	---	---
30	40.90	40.20	---	---	---	41.66	40.70	---	---	39.66	---	---
31	---	---	---	40.79	---	---	---	40.76	---	---	41.95	---

02307295 ISLAND FORD LAKE NEAR ODESSA, FL

SURFACE AREA.--96.1 acres (0.15 mi², 0.39 km²).

DRAINAGE AREA.--2.5 mi² (6.5 km²), approximately.

PERIOD OF RECORD.--June 1971 to August 1974 (twice weekly); September 1974 to current year, incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Nov. 18, 1975, at site 500 ft (150 m) southeast at same datum.

REMARKS.--Lake is in the headwaters of Brooker Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 42.02 ft (12.808 m) Sept. 28, 29, 1979; minimum daily, 37.48 ft (11.424 m) July 15, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 42.02 ft (12.808 m) Sept. 28, 29; minimum daily, 38.76 ft (11.814 m) Aug. 4, 5, 6.

YR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.66	40.10	39.60	39.50	40.10	40.24	40.25	39.63	40.26	39.20	38.80	41.50
2	40.50	40.10	39.60	39.50	40.12	40.24	40.25	39.63	40.08	39.16	38.80	41.52
3	40.64	40.08	39.58	39.60	40.12	40.18	40.24	39.62	39.94	39.16	38.78	41.52
4	40.62	40.06	39.58	39.59	40.18	40.14	40.23	39.60	39.84	39.12	38.76	41.52
5	40.60	40.00	39.60	39.58	40.20	40.08	40.21	39.57	39.76	39.10	38.76	41.48
6	40.59	40.00	39.58	39.58	40.22	40.26	40.21	39.55	39.70	39.08	38.76	41.42
7	40.58	39.98	39.57	39.58	40.36	40.45	40.20	39.54	39.64	39.08	38.89	41.36
8	40.55	39.96	39.56	39.60	40.38	40.60	40.18	39.90	39.60	39.10	38.89	41.26
9	40.50	39.95	39.54	39.60	40.44	40.68	40.18	40.56	39.56	39.10	38.90	41.22
10	40.46	39.93	39.52	39.59	40.48	40.86	40.14	40.82	39.50	39.08	38.90	41.18
11	40.44	39.90	39.48	39.56	40.50	40.90	40.10	40.88	39.46	39.08	38.89	41.10
12	40.41	39.88	39.46	39.74	40.51	41.02	40.09	40.87	39.46	39.04	39.40	41.06
13	40.40	39.87	39.44	39.84	40.54	40.75	40.08	40.89	39.44	39.02	39.50	41.08
14	40.40	39.86	39.42	39.86	40.54	40.56	40.06	40.92	39.40	39.00	39.58	41.18
15	40.40	39.88	39.40	39.88	40.56	40.44	40.04	40.90	39.38	39.06	39.70	41.28
16	40.36	39.80	39.39	39.86	40.58	40.32	40.00	40.90	39.38	39.06	39.92	41.34
17	40.34	39.80	39.38	39.84	40.58	40.26	39.96	40.86	39.40	39.02	40.32	41.34
18	40.30	39.79	39.36	39.83	40.59	40.22	39.94	40.82	39.36	39.10	40.64	41.34
19	40.28	39.76	39.34	39.83	40.60	40.16	39.92	40.77	39.34	39.08	40.90	41.32
20	40.25	39.76	39.34	39.82	40.60	40.11	39.88	40.75	39.30	39.08	41.30	41.26
21	40.24	39.74	39.30	39.85	40.58	40.06	39.86	40.70	39.30	39.06	41.22	41.23
22	40.21	39.70	39.30	39.84	40.60	40.00	39.82	40.66	39.30	39.02	41.20	41.28
23	40.19	39.68	39.29	39.86	40.60	39.98	39.78	40.62	39.30	39.02	41.26	41.28
24	40.18	39.66	39.28	39.90	40.66	40.08	39.74	40.56	39.29	39.00	41.20	41.72
25	40.16	39.66	39.36	39.90	40.82	40.18	39.76	40.66	39.22	38.97	41.20	41.74
26	40.14	39.62	39.34	39.94	40.84	40.20	39.76	40.64	39.22	38.98	41.15	41.94
27	40.10	39.61	39.30	39.96	40.70	40.22	39.74	40.56	39.20	38.94	41.12	41.98
28	40.10	39.59	39.50	39.98	40.48	40.24	39.72	40.56	39.20	38.92	41.10	42.02
29	40.18	39.58	39.52	40.00	---	40.26	39.70	40.52	39.22	38.90	41.06	42.02
30	40.16	39.57	39.50	40.04	---	40.26	39.67	40.46	39.20	38.90	41.38	42.00
31	40.14	---	39.50	40.08	---	4						

TAMPA BAY AND COASTAL AREAS

02307311 SUNSET LAKE NEAR LAKE FERN, FL

LOCATION.--Lat 28°08'02", long 82°37'28", in SE¼ sec.17, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on east shore of lake, and 2.9 mi (4.7 km) southwest of Lake Fern.

SURFACE AREA.--38.0 acres (0.06 mi², 0.15 km²).

DRAINAGE AREA.--2.30 mi² (5.96 km²).

PERIOD OF RECORD.--July 1972 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 16.57 ft (5.051 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 34.95 ft (10.653 m) Sept. 28, 1979; minimum daily, 29.45 ft (8.976 m) July 8, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 34.95 ft (10.653 m) Sept. 28; minimum daily, 31.75 ft (9.677 m) Nov. 27, Dec. 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	32.33	---	34.03
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	32.52	---	31.75	---	---	---	32.72	---	---	---	---	---
5	32.53	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	32.11	---	---	---	---
7	32.47	---	---	---	32.94	---	---	---	32.79	---	---	---
8	---	---	---	---	---	33.17	---	---	---	32.32	---	33.77
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	33.07	---	---	---	33.72
11	32.37	---	---	---	32.87	---	---	---	32.72	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	31.99	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	32.49	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	32.31	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	32.53	---	---	34.05
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	32.47	---	---	---
20	---	---	---	---	---	---	---	32.97	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	32.22	---	---	---	---	---	32.27	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	32.34	32.47	---	---
25	---	---	---	---	32.95	---	---	---	---	32.48	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	31.75	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	34.95
29	---	---	---	---	---	---	---	---	32.40	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	32.77	---	32.93	---	---	---	---

02307328 LAKE ALICE NEAR ODESSA, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 40.37 ft (12.305 m) Sept. 29; minimum daily, 37.33 ft (11.378 m) Dec. 23.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

[illegible]

TAMPA BAY AND COASTAL AREAS

02307331 LAKE TAYLOR NEAR ODESSA, FL

LOCATION.--Lat 28°08'13", long 82°36'44", in NW¼ sec.16, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on north shore of lake, on private dock, 4.0 mi (6.4 km) south of Odessa.

SURFACE AREA.--43.8 acres (0.07 mi², 0.18 km²).

DRAINAGE AREA.--1.0 mi² (2.6 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (twice weekly).

GAGE.--Nonrecording gage. Datum of gage is 25.41 ft (7.745 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 39.61 ft (12.073 m) Sept. 28, 1979; minimum daily, 34.35 ft (10.470 m) June 25, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 39.61 ft (12.073 m) Sept. 28; minimum daily, 36.56 ft (11.143 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	36.83	36.77	---	---	---	---	37.73	---	---	---
2	37.81	---	---	---	37.41	37.54	37.51	---	---	37.17	---	---
3	---	37.25	---	---	---	---	---	---	---	---	36.92	38.62
4	---	---	36.81	---	---	---	37.47	36.83	37.71	---	---	---
5	37.76	---	---	36.88	37.41	37.51	---	---	---	---	---	---
6	37.73	37.19	---	---	---	---	37.47	---	---	36.98	36.91	---
7	---	---	---	---	37.45	---	---	36.84	---	---	---	38.44
8	---	---	36.80	36.94	---	---	---	---	37.67	---	---	---
9	37.64	---	---	---	37.42	37.75	37.39	---	---	37.08	---	---
10	---	37.15	---	---	---	---	---	---	---	---	37.18	38.35
11	---	---	36.71	---	---	---	---	37.80	37.59	---	---	---
12	---	---	---	37.11	37.41	37.77	---	---	---	---	---	---
13	37.59	37.07	---	---	---	---	37.32	---	---	37.09	38.01	---
14	---	---	---	---	---	---	---	37.81	---	---	---	38.62
15	---	---	36.66	37.27	---	---	---	---	37.45	---	---	---
16	37.56	---	---	---	37.39	37.73	37.21	---	---	37.10	---	---
17	---	37.00	---	---	---	---	---	---	---	---	38.09	38.61
18	---	---	36.63	---	---	---	---	37.77	37.39	---	---	---
19	---	---	---	37.30	37.37	37.70	---	---	---	---	---	---
20	37.45	36.95	---	---	---	---	37.09	---	---	37.19	38.25	---
21	---	---	---	---	---	---	---	37.69	---	---	---	38.42
22	---	---	36.56	37.34	---	---	---	---	---	---	---	---
23	37.37	---	---	---	37.35	37.64	36.99	---	37.25	37.15	---	---
24	---	36.87	---	---	---	---	---	---	---	---	38.30	---
25	---	---	36.60	---	---	---	---	37.70	37.17	37.13	---	---
26	---	---	---	37.40	37.55	37.62	---	---	---	---	---	---
27	37.37	36.79	---	---	---	---	36.97	---	---	37.09	38.26	---
28	---	---	---	---	---	---	---	37.70	---	---	---	39.61
29	---	---	36.76	37.43	---	---	---	---	37.22	---	---	---
30	37.35	---	---	---	---	37.57	36.90	---	---	37.03	---	---
31	---	---	---	---	---	---	---	37.76	---	---	38.71	---

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02307366 LAKE JUANITA NEAR CITRUS PARK, FL

LOCATION.--Lat 28°06'56", long 82°35'23", in SE¼ sec.22, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on south shore of lake, 2.8 mi (4.5 km) northwest of Citrus Park.

SURFACE AREA.--23.8 acres (0.04 mi², 0.10 km²).

DRAINAGE AREA.--0.5 mi² (1.3 km²), approximately.

PERIOD OF RECORD.--July 1971 to current year (twice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 4.34 ft (1.323 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 43.24 ft (13.180 m) Sept. 27, 1979; minimum daily, 36.04 ft (10.985 m) July 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 43.24 ft (13.180 m) Sept. 27; minimum daily, 38.98 ft (11.881 m) Aug. 4.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.76	39.32	---	39.24	39.78	39.84	39.84	39.22	39.92	39.34	39.02	41.44
2	---	---	---	---	---	---	---	39.20	---	39.30	---	---
3	---	---	---	---	---	39.86	---	---	---	---	---	---
4	39.72	---	---	39.32	39.80	---	39.76	---	---	---	38.98	41.54
5	---	39.30	---	---	---	---	39.78	39.10	39.90	39.42	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	39.81	---	---	---	---	---	---	---
8	39.69	39.28	---	39.38	39.80	40.02	39.70	39.84	39.82	39.40	39.10	41.52
9	39.66	39.26	---	39.40	39.78	40.00	39.68	39.86	39.80	39.36	39.10	41.50
10	---	---	---	---	---	---	---	39.90	---	---	---	41.51
11	---	---	---	---	---	---	39.68	---	---	---	---	---
12	39.62	39.22	---	39.56	---	40.04	---	39.92	39.70	---	39.94	41.48
13	---	---	---	---	39.76	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	41.80
16	39.50	39.16	---	39.58	39.74	40.00	39.54	39.96	39.56	39.32	40.04	---
17	39.46	---	39.14	39.58	39.72	39.98	39.52	39.94	39.54	39.30	40.10	41.93
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	39.34	---	39.08	---	39.68	39.96	39.40	---	---	---	40.34	---
21	---	---	---	39.60	---	---	---	39.84	39.46	39.26	---	41.90
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	39.30	---	39.04	39.78	39.70	39.98	39.26	39.80	39.38	39.30	40.60	42.70
25	39.24	---	39.02	39.76	39.72	39.96	39.24	39.80	39.34	39.21	40.64	43.09
26	---	---	---	---	---	39.94	---	---	---	---	---	---
27	39.28	39.29	---	39.74	---	---	39.24	---	---	---	---	43.24
28	---	---	---	---	39.84	39.90	---	39.92	---	39.24	40.70	43.13
29	---	---	39.24	---	---	---	---	---	39.42	---	---	---
30	39.32	---	---	---	---	---	39.20	---	39.38	---	---	42.94
31	---	---	39.22	39.74	---	39.88	---	39.94	---	39.08	41.44	---

TAMPA BAY AND COASTAL AREAS

02307369 RAINBOW LAKE NEAR CITRUS PARK, FL

LOCATION.--Lat 28°07'11", long 82°35'50", in NW¼ sec.27, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on north shore of lake, and 3.2 mi (5.1 km) northwest of Citrus Park.

SURFACE AREA.--47.8 acres (0.07 mi², 0.19 km²).

DRAINAGE AREA.--0.8 mi² (2.1 km²), approximately.

PERIOD OF RECORD.--June 1971 to current year (weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). See WDR FL-75-3 for history of changes prior to Mar. 24, 1975.

REMARKS.--Lake is in the Cosme well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 40.20 ft (12.253 m) Sept. 30, 1979; minimum daily, 33.27 ft (10.141 m) July 18, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 40.20 ft (12.253 m) Sept. 30; minimum daily, 36.00 ft (10.973 m) Dec. 16, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.00	---	---	---	---	---	---	---	36.83	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	36.91	---	---	36.18	---	---	36.61	---	---	---	---	---
6	---	---	---	---	---	---	36.68	---	---	---	---	---
7	---	---	36.16	---	36.63	---	---	---	---	---	36.14	---
8	---	36.40	---	---	---	36.90	---	36.72	36.72	36.32	---	38.20
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	38.20
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	36.33	---	36.98	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	36.30	---	---	36.58	---	---	---	---	---	---	---
16	36.70	---	36.00	---	---	36.78	36.40	36.84	36.48	36.40	37.02	38.60
17	---	---	---	---	---	---	---	---	---	---	---	38.60
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	36.30	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	36.62	---	---	36.50	---	---	36.20	---	36.30	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	36.14	36.00	---	36.70	36.80	---	36.80	---	---	---	39.18
25	---	---	---	---	---	---	---	---	---	36.29	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	36.08	---	---	---	---	---	---	---	---	---	---
28	36.50	---	---	36.64	36.56	---	---	---	---	---	---	---
29	---	---	36.10	---	---	---	---	---	---	---	---	---
30	---	36.10	---	---	---	---	36.10	---	36.20	---	---	40.20
31	---	---	---	---	---	36.68	---	36.80	---	36.22	38.10	---

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02307378 CHURCH LAKE NEAR CITRUS PARK, FL

LOCATION.--Lat 28°06'15", long 82°36'00", in SW¼ sec.27, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on north shore of lake, on private dock, and 2.5 mi (4.0 km) northwest of Citrus Park.

SURFACE AREA.--67.3 acres (0.11 mi², 0.27 km²).

DRAINAGE AREA.--0.51 mi² (1.32 km²).

PERIOD OF RECORD.--September 1957 to current year (twice weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 20.00 ft (6.096 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Dec. 29, 1960, at site 1,100 ft (300 m) southeast; Dec. 29, 1960, to May 1, 1968, at present site, at datum 10.78 ft (3.286 m) higher.

REMARKS.--When the lake elevation is more than 35 ft (11 m) Church, Echo, Thorpe, and Williams Lakes are interconnected. This complex of lakes was formerly called Lake Sullivan. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 37.28 ft (11.363 m) Aug. 17, 1959; minimum daily, 29.48 ft (8.986 m) July 19, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 36.90 ft (11.247 m) Sept. 27; minimum daily, 33.64 ft (10.253 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	33.82	---	---	---	---	33.88	34.65	34.04	---	---
2	34.64	34.23	---	33.86	34.43	34.53	34.44	---	---	---	---	35.88
3	---	34.22	---	---	---	---	---	---	---	---	33.98	35.87
4	34.62	---	---	---	---	---	---	33.77	34.58	34.21	---	---
5	---	---	---	---	34.42	---	34.42	---	---	---	---	---
6	34.60	34.13	---	---	---	---	34.43	33.80	---	---	---	---
7	---	---	---	---	34.45	34.73	---	---	---	34.24	---	35.86
8	---	---	33.83	34.02	---	---	---	34.64	34.52	34.25	---	---
9	34.50	---	---	---	34.42	34.74	34.32	34.64	---	---	---	---
10	---	34.08	---	---	---	---	---	---	---	---	34.10	35.82
11	---	---	33.74	---	---	---	---	---	34.40	---	---	---
12	---	---	---	34.16	---	34.72	---	---	---	34.21	34.54	---
13	34.46	34.04	33.76	---	---	---	34.28	---	---	34.24	---	---
14	---	---	---	---	---	---	---	34.72	---	---	---	35.94
15	---	---	33.72	34.28	---	---	---	---	34.30	---	---	---
16	34.42	33.97	---	---	34.38	34.70	34.22	---	---	34.16	34.98	---
17	---	---	---	---	---	---	---	---	---	---	---	36.10
18	---	---	33.68	---	---	---	---	34.66	34.20	34.20	---	---
19	---	---	---	34.29	34.38	34.62	---	---	---	---	---	---
20	34.34	34.02	---	---	---	---	34.08	---	---	34.16	35.12	---
21	---	---	---	---	---	---	---	---	---	---	---	36.06
22	---	---	33.64	34.32	---	---	---	---	34.10	---	---	---
23	34.28	---	---	---	34.35	34.64	33.96	---	---	34.10	---	---
24	---	33.83	---	34.44	---	---	---	34.54	---	34.18	35.17	---
25	34.28	---	33.68	---	34.54	---	33.98	34.68	---	34.16	---	36.58
26	---	---	---	34.46	---	34.58	---	---	---	---	35.20	---
27	---	33.76	---	---	---	---	---	---	---	34.14	---	36.90
28	---	---	---	---	---	---	---	---	---	---	---	36.86
29	---	---	33.86	34.46	---	---	---	---	---	---	---	---
30	34.24	---	---	---	---	34.52	---	---	---	34.08	---	---
31	---	---	---	---	---	---	---	34.64	---	---	35.70	---

TAMPA BAY AND COASTAL AREAS

02307384 ECHO LAKE NEAR CITRUS PARK, FL

LOCATION.--Lat 28°06'22", long 82°36'12", in SE¼ sec.28, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on south shore of lake, 2.7 mi (4.3 km) northwest of Citrus Park.

SURFACE AREA.--25.4 acres (0.04 mi², 0.10 km²).

DRAINAGE AREA.--0.89 mi² (2.30 km²).

PERIOD OF RECORD.--September 1957 to November 1958 (fragmentary); July 1971 to current year (twice weekly), incomplete. Records of elevations prior to July 1971 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 28.90 ft (8.809 m) National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations NGVD. Prior to Oct. 8, 1957, non-standard gage 300 ft (100 m) southwest at datum 4.08 ft (1.244 m) higher and Oct. 9, 1957, to Nov. 19, 1958, 300 ft (100 m) southwest at datum 3.20 ft (0.975 m) higher. Prior to Mar. 11, 1975, at present site at datum 20.00 ft (6.096 m) lower.

REMARKS.--Lake is in the Cosme well field. When the lake elevation is more than 35 ft (11 m) Echo, Church, Thorpe, and Williams Lakes are interconnected. This complex of lakes was formerly called Lake Sullivan.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 36.97 ft (11.268 m) Sept. 26, 1979; minimum daily, 30.48 ft (9.290 m) July 17, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 36.97 ft (11.268 m) Sept. 26; minimum daily, 32.60 ft (9.936 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	34.68	---	---	---
2	---	---	---	33.88	34.38	---	---	33.80	---	34.10	---	35.65
3	---	34.17	33.00	---	---	---	---	---	34.59	---	34.00	---
4	34.64	---	---	---	---	34.55	34.48	---	---	---	---	---
5	34.60	---	---	---	34.40	---	34.45	---	---	---	---	35.83
6	---	34.15	---	---	---	---	34.45	---	34.52	---	---	---
7	---	---	---	33.98	34.47	34.70	---	33.42	---	34.18	---	---
8	34.55	34.10	33.40	---	---	---	---	---	---	---	34.11	---
9	---	---	---	---	34.48	---	34.42	---	---	---	34.11	---
10	---	---	---	34.00	---	34.72	---	---	34.48	34.20	34.12	35.84
11	34.47	---	---	---	---	---	---	34.70	---	---	34.49	---
12	---	34.08	33.60	---	---	---	---	---	---	---	34.55	---
13	---	34.04	---	---	---	---	---	---	---	---	34.75	35.87
14	34.45	34.06	33.50	---	---	34.70	34.25	---	---	34.18	---	---
15	---	---	---	---	---	---	---	---	---	---	34.80	35.97
16	34.40	34.00	33.30	34.25	34.40	---	34.10	34.68	34.42	---	---	36.05
17	---	---	---	---	---	---	---	---	34.28	---	34.99	36.12
18	---	---	---	---	---	34.68	---	34.62	---	---	---	---
19	34.35	33.90	---	34.29	34.35	---	---	---	---	---	35.00	36.10
20	---	---	32.90	---	---	---	34.05	---	34.22	34.19	---	---
21	34.32	33.82	---	---	---	---	---	34.55	---	---	---	36.16
22	---	---	---	---	---	34.60	---	---	---	---	35.15	---
23	---	---	---	---	34.15	---	---	---	34.18	---	---	36.29
24	34.30	33.65	32.60	34.35	---	34.64	33.95	34.68	34.10	34.20	35.19	36.60
25	34.29	---	---	---	---	---	---	---	---	34.18	---	36.60
26	---	---	---	---	---	---	---	34.60	34.05	---	35.21	36.97
27	34.22	33.79	---	34.42	34.52	---	---	---	---	---	---	36.94
28	---	33.40	33.65	---	34.50	---	---	---	---	---	---	36.88
29	---	---	---	---	---	34.58	---	34.58	---	34.10	35.25	36.81
30	---	33.50	---	---	---	---	33.90	---	34.10	---	35.40	36.7
31	34.25	---	33.80	34.35	---	34.55	---	---	---	---	---	---

PEACE, WITHLACOXCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02307388 BUCK LAKE NEAR LAKE FERN, FL

LOCATION.--Lat 28°06'31", long 82°37'16", in NE¼ sec.29, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, on private dock, 3.8 mi (6.1 km) southwest of Lake Fern.

SURFACE AREA.--45 acres (0.07 mi², 0.18 km²).

DRAINAGE AREA.--0.3 mi² (0.8 km²).

PERIOD OF RECORD.--July 1972 to current year (twice weekly).

GAGE.--Nonrecording gage. Datum of gage is 14.69 ft (4.478 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 34.63 ft (10.555 m) June 27, 1974; minimum daily, 28.36 ft (8.644 m) July 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 33.21 ft (10.122 m) Sept. 28; minimum daily, 30.43 ft (9.275 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	30.55	30.67	---	---	---	---	31.69	---	---	---
2	31.31	---	---	---	31.67	31.73	31.43	---	---	31.01	---	---
3	---	30.79	---	---	---	---	---	---	---	---	30.99	32.51
4	31.26	---	30.55	---	---	---	---	---	31.63	---	---	---
5	---	---	---	30.85	31.65	31.67	31.37	---	---	---	---	---
6	31.25	30.75	---	---	---	---	31.37	---	---	31.01	30.97	---
7	---	---	---	---	31.67	---	---	30.73	---	---	---	32.07
8	---	---	30.57	30.97	---	---	---	31.25	31.49	---	---	---
9	31.27	---	---	---	31.65	31.93	31.29	32.15	---	---	---	---
10	---	30.71	---	---	---	---	---	---	---	---	31.15	31.95
11	---	---	30.53	---	---	---	---	32.05	31.39	---	---	---
12	---	---	---	31.19	31.63	31.81	---	---	---	---	---	---
13	31.11	30.67	---	---	---	---	31.21	---	---	---	32.37	---
14	---	---	---	---	---	---	---	31.85	---	---	---	---
15	---	---	30.47	31.49	---	---	---	---	31.25	---	---	---
16	31.07	---	---	---	31.59	31.67	31.13	---	---	30.97	---	---
17	---	30.61	---	---	---	---	---	---	---	---	32.21	---
18	---	---	30.45	---	---	---	---	31.67	31.19	---	---	---
19	---	---	---	31.53	31.55	31.65	---	---	---	---	---	---
20	30.99	30.57	---	---	---	---	31.01	---	---	---	32.25	---
21	---	---	---	---	---	---	---	31.61	---	---	---	---
22	---	---	30.43	31.57	---	---	---	---	31.05	---	---	---
23	---	---	---	---	31.51	31.55	30.89	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	33.07
25	---	---	---	---	---	---	---	---	30.95	31.12	---	---
26	---	---	---	31.77	31.77	31.55	---	---	---	---	---	---
27	30.87	---	---	---	---	---	30.89	---	---	31.09	---	---
28	---	---	---	---	---	---	---	31.65	---	---	---	33.21
29	---	---	30.63	31.71	---	---	---	---	30.99	---	---	---
30	30.89	---	---	---	---	31.47	30.83	---	---	---	---	---
31	---	---	---	---	---	---	---	31.69	---	---	32.67	---

02307479 LAKE TARPON NEAR TARPON SPRINGS, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.20 ft (0.975 m) Jan. 15; minimum, 1.72 ft (0.524 m) Sept. 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	2.49	2.40	2.69	2.86	2.92	2.60	2.35	2.62	2.25	2.33	2.56
2	2.71	2.48	2.42	2.75	2.85	2.92	2.60	2.34	2.62	2.22	2.36	2.63
3	2.70	2.47	2.42	2.80	2.83	2.91	2.60	2.32	2.62	2.20	2.35	2.67
4	2.70	2.45	2.41	2.79	2.83	2.90	2.60	2.31	2.62	2.20	2.34	2.36
5	2.69	2.43	2.46	2.78	2.83	2.92	2.60	2.31	2.60	2.18	2.33	2.36
6	2.68	2.42	2.48	2.78	2.82	3.04	2.62	2.36	2.58	2.21	2.34	2.40
7	2.67	2.40	2.48	2.78	2.86	3.07	2.60	2.42	2.56	2.30	2.41	2.47
8	2.64	2.41	2.48	2.90	2.88	3.07	2.56	2.78	2.55	2.30	2.46	2.55
9	2.63	2.40	2.49	2.90	2.86	3.05	2.54	2.77	2.55	2.30	2.48	2.65
10	2.63	2.40	2.48	2.89	2.85	3.00	2.54	2.46	2.50	2.28	2.50	2.74
11	2.62	2.40	2.46	2.89	2.82	2.95	2.52	2.34	2.48	2.25	2.65	2.72
12	2.63	2.39	2.44	2.98	2.82	2.90	2.51	2.21	2.46	2.26	2.73	2.63
13	2.65	2.37	2.42	3.10	2.83	2.85	2.50	1.98	2.38	2.27	2.56	2.67
14	2.66	2.37	2.41	3.17	2.82	2.83	2.50	2.01	2.37	2.26	2.58	2.72
15	2.66	2.37	2.40	3.20	2.81	2.80	2.50	2.01	2.36	2.25	2.58	2.47
16	2.61	2.37	2.40	3.15	2.81	2.75	2.52	2.07	2.35	2.26	2.58	2.61
17	2.59	2.37	2.40	2.94	2.81	2.70	2.49	2.12	2.34	2.28	2.58	2.76
18	2.58	2.37	2.38	2.90	2.80	2.67	2.47	2.11	2.31	2.30	2.44	2.80
19	2.57	2.36	2.37	2.92	2.78	2.64	2.46	2.11	2.30	2.32	2.42	2.87
20	2.56	2.35	2.37	2.90	2.77	2.62	2.45	2.12	2.28	2.32	2.64	2.87
21	2.56	2.35	2.37	2.98	2.77	2.60	2.42	2.17	2.26	2.30	2.65	2.56
22	2.56	2.34	2.38	2.98	2.78	2.58	2.39	2.18	2.25	2.28	2.65	2.37
23	2.53	2.33	2.37	2.98	2.78	2.56	2.36	2.17	2.24	2.34	2.65	2.41
24	2.52	2.33	2.40	3.05	2.79	2.62	2.32	2.25	2.23	2.43	2.65	2.33
25	2.51	2.33	2.50	3.07	2.89	2.63	2.38	2.42	2.23	2.43	2.55	2.43
26	2.50	2.31	2.49	3.02	2.96	2.62	2.40	2.45	2.21	2.43	2.60	2.34
27	2.50	2.30	2.49	3.01	2.93	2.62	2.40	2.50	2.20	2.42	2.72	2.14
28	2.50	2.30	2.64	3.03	2.92	2.62	2.39	2.55	2.20	2.41	2.74	1.88
29	2.50	2.30	2.67	2.98	---	2.62	2.37	2.57	2.25	2.40	2.74	1.84
30	2.51	2.30	2.67	2.89	---	2.61	2.37	2.57	2.25	2.38	2.55	1.73
31	2.50	---	2.67	2.88	---	2.61	---	2.60	---	2.35	2.68	---
MEAN	2.60	2.38	2.46	2.94	2.83	2.78	2.49	2.32	2.39	2.30	2.54	2.48
MAX	2.71	2.49	2.67	3.20	2.96	3.07	2.62	2.78	2.62	2.43	2.74	2.87
MIN	2.50	2.30	2.37	2.69	2.77	2.56	2.32					

TAMPA BAY AND COASTAL AREAS

02307696 ALLIGATOR LAKE AT SAFETY HARBOR, FL

LOCATION.--Lat 27°58'45", long 82°41'45", in NW¼ sec.10, T.29 S., R.16 E., Pinellas County, Hydrologic Unit 03100206, on east shore of lake, on right upstream wingwall of concrete control structure, 30 ft (9 m) upstream from bridge on Bayshore Drive, and 0.8 mi (1.3 km) southwest of Safety Harbor.

SURFACE AREA.--76.4 acres (0.12 mi², 0.31 km²).

DRAINAGE AREA.--9.0 mi² (23.3 km²), approximately.

PERIOD OF RECORD.--May 1948 to April 1959; October 1960 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey. Prior to October 1974, published as Alligator Creek at Safety Harbor.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Apr. 5, 1959, water-stage recorder at site of former control 160 ft (50 m) upstream at datum 0.85 ft (0.259 m) lower, and Oct. 13, 1960, to May 16, 1970, at present site at datum 1.19 ft (0.363 m) lower.

REMARKS.--Lake is formed by fixed concrete control structure at elevation 5.0 ft (1.5 m) and earth embankment, completed in 1960. Prior to April 1959, concrete control at elevation 5.4 ft (1.6 m), 24-inch (61 cm) pipe and gate valve with invert at elevation 0.79 ft (0.24 m) below NGVD, and earth embankment at site 160 ft (50 m) upstream. Earth embankment was breached April 5, 1959; elevation at gage subject to tide effect from Old Tampa Bay until structure was rebuilt.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.15 ft (2.484 m) Sept. 6, 1950; minimum, 2.30 ft (0.701 m) Oct. 13, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.75 ft (2.362 m) May 8; minimum, 5.01 ft (1.527 m) Oct. 9.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.08	5.06	5.17	5.09	5.10	5.14	5.06	5.05	5.10	5.07	5.05	5.71
2	5.06	5.05	5.10	5.29	5.10	5.13	5.06	5.05	5.09	5.06	5.05	5.81
3	5.05	5.04	5.08	5.27	5.10	5.12	5.06	5.04	5.08	5.05	5.04	5.57
4	5.05	5.04	5.06	5.16	5.10	5.11	5.06	5.03	5.07	5.07	5.03	5.34
5	5.06	5.04	5.17	5.13	5.10	5.11	5.06	5.03	5.06	5.12	5.11	5.34
6	5.05	5.04	5.13	5.12	5.10	5.46	5.09	5.03	5.06	5.20	5.10	5.29
7	5.03	5.04	5.09	5.10	5.15	5.42	5.06	5.06	5.06	5.24	5.11	5.56
8	5.02	5.04	5.07	5.18	5.14	5.27	5.05	6.74	5.06	5.13	5.11	5.66
9	5.02	5.04	5.07	5.15	5.10	5.23	5.05	6.18	5.06	5.09	5.14	5.35
10	5.02	5.04	5.05	5.12	5.09	5.19	5.05	5.49	5.05	5.07	5.18	5.28
11	5.03	5.04	5.04	5.11	5.08	5.17	5.05	5.38	5.04	5.05	5.13	5.26
12	5.04	5.03	5.04	5.52	5.08	5.15	5.05	5.30	5.04	5.14	5.65	5.27
13	5.45	5.03	5.04	5.58	5.08	5.15	5.04	5.24	5.02	5.15	5.54	5.26
14	5.39	5.03	5.04	5.29	5.08	5.14	5.05	5.23	5.03	5.13	5.45	5.43
15	5.35	5.03	5.04	5.22	5.08	5.12	5.05	5.21	5.07	5.15	5.31	5.66
16	5.18	5.04	5.04	5.19	5.08	5.11	5.05	5.25	5.05	5.11	5.24	5.46
17	5.14	5.04	5.04	5.18	5.08	5.11	5.05	5.20	5.05	5.11	5.20	5.47
18	5.11	5.04	5.03	5.17	5.08	5.10	5.05	5.17	5.04	5.11	5.17	5.26
19	5.11	5.03	5.03	5.17	5.07	5.10	5.05	5.15	5.05	5.12	5.16	5.22
20	5.11	5.03	5.04	5.16	5.07	5.09	5.05	5.14	5.04	5.14	5.16	5.20
21	5.09	5.02	5.04	5.26	5.07	5.09	5.06	5.13	5.04	5.09	5.19	5.33
22	5.08	5.02	5.05	5.18	5.08	5.09	5.05	5.15	5.03	5.07	5.19	6.06
23	5.08	5.03	5.04	5.16	5.09	5.13	5.03	5.13	5.02	5.08	5.29	5.66
24	5.07	5.03	5.07	5.33	5.10	5.14	5.04	5.18	5.02	5.31	5.40	6.93
25	5.07	5.02	5.11	5.21	5.45	5.09	5.14	5.19	5.02	5.15	5.28	5.80
26	5.06	5.02	5.07	5.17	5.30	5.06	5.10	5.12	5.02	5.11	5.22	6.28
27	5.06	5.02	5.07	5.16	5.18	5.07	5.07	5.10	5.08	5.08	5.23	5.63
28	5.06	5.02	5.40	5.14	5.15	5.07	5.05	5.10	5.08	5.07	5.34	5.49
29	5.07	5.02	5.23	5.12	---	5.07	5.04	5.10	5.14	5.06	5.33	5.51
30	5.08	5.03	5.14	5.12	---	5.08	5.04	5.10	5.11	5.05	5.45	5.50
31	5.07	---	5.11	5.11	---	5.08	---	5.11	---	5.04	5.98	---
MEAN	5.10	5.03	5.09	5.20	5.12	5.14	5.06	5.24	5.06	5.11	5.25	5.55
MAX	5.45	5.06	5.40	5.58	5.45	5.46	5.14	6.74	5.14	5.31	5.98	6.93
MIN	5.02	5.02	5.03	5.09	5.07	5.06	5.03	5.03	5.02	5.04	5.03	5.20

CAL YR 1978 MEAN 5.12 MAX 5.87 MIN 4.97
WTR YR 1979 MEAN 5.16 MAX 6.93 MIN 5.02

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02308000 SAWGRASS LAKE NEAR PINELLAS PARK, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 8.31 ft (2.533 m) May 8; minimum, 3.15 ft (0.960 m) Nov. 27, 28, 29, 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.68	3.38	3.58	4.02	4.88	4.93	4.46	4.46	4.11	3.86	4.34	5.33
2	3.68	3.36	3.71	4.27	4.86	4.91	4.46	4.46	4.06	3.79	4.34	5.07
3	3.65	3.35	3.68	4.49	4.84	4.89	4.46	4.45	4.03	3.81	4.35	4.90
4	3.64	3.33	3.64	4.40	4.83	4.88	4.45	4.44	3.98	3.81	4.36	4.78
5	3.62	3.32	3.84	4.32	4.82	4.88	4.45	4.44	3.95	3.90	4.35	4.65
6	3.61	3.31	3.88	4.24	4.82	5.10	4.45	4.43	3.93	4.12	4.40	4.51
7	3.59	3.31	3.81	4.17	4.86	5.19	4.43	4.47	3.90	4.07	4.65	4.37
8	3.56	3.31	3.75	4.29	4.88	5.05	4.42	6.60	3.88	4.22	4.84	4.24
9	3.54	3.32	3.72	4.29	4.86	4.97	4.43	6.81	3.89	4.16	4.99	4.08
10	3.52	3.31	3.70	4.22	4.84	4.83	4.43	5.40	3.85	4.12	4.83	3.94
11	3.51	3.29	3.67	4.16	4.82	4.72	4.43	4.98	3.81	4.14	4.93	3.86
12	3.51	3.28	3.65	4.68	4.80	4.61	4.42	4.75	3.77	4.27	5.19	3.88
13	3.53	3.27	3.63	4.97	4.78	4.51	4.42	4.47	3.75	4.38	5.08	3.97
14	3.60	3.24	3.60	4.86	4.76	4.42	4.42	4.83	3.73	4.48	4.93	4.30
15	3.65	3.23	3.59	4.74	4.75	4.35	4.41	4.79	3.71	4.56	4.77	4.55
16	3.63	3.25	3.58	4.62	4.73	4.27	4.40	4.49	3.70	4.56	4.51	4.62
17	3.61	3.23	3.57	4.53	4.73	4.21	4.39	4.19	3.68	4.56	4.44	4.54
18	3.58	3.25	3.57	4.44	4.71	4.15	4.38	4.26	3.67	4.56	4.19	4.42
19	3.57	3.23	3.57	4.37	4.70	4.11	4.37	4.24	3.65	4.54	3.92	4.30
20	3.56	3.23	3.58	4.32	4.68	4.09	4.36	4.22	3.62	4.53	4.08	4.15
21	3.54	3.22	3.59	4.36	4.68	4.18	4.35	4.17	3.61	4.51	3.92	4.12
22	3.52	3.20	3.60	4.33	4.68	4.23	4.34	4.13	3.59	4.51	4.01	4.98
23	3.50	3.20	3.59	4.29	4.69	4.30	4.33	4.09	3.58	4.50	4.32	5.04
24	3.49	3.20	3.65	4.92	4.73	4.39	4.33	4.28	3.57	4.49	4.16	5.13
25	3.47	3.19	3.75	5.00	4.99	4.42	4.45	4.52	3.55	4.48	4.06	5.06
26	3.46	3.17	3.75	4.98	5.08	4.44	4.51	4.47	3.66	4.46	3.91	5.31
27	3.45	3.16	3.73	4.96	5.00	4.45	4.51	4.40	3.81	4.43	3.80	5.23
28	3.44	3.15	4.25	4.95	4.96	4.46	4.50	4.33	3.87	4.41	3.84	5.07
29	3.43	3.16	4.26	4.92	---	4.46	4.49	4.26	3.98	4.39	3.89	5.25
30	3.42	3.21	4.17	4.90	---	4.46	4.47	4.20	3.93	4.37	4.65	5.36
31	3.40	---	4.10	4.89	---	4.46	---	4.15	---	4.36	5.02	---
MEAN	3.55	3.26	3.73	4.55	4.81	4.56	4.42	4.59	3.79	4.30	4.42	4.63
MAX	3.68	3.38	4.26	5.00	5.08	5.19	4.51	6.81	4.11	4.56	5.19	5.36
MIN	3.40	3.15	3.57	4.02	4.68	4.09	4.33	4.09	3.55	3.79	3.80	3.86
CAL YR 1978	MEAN 3.83		MAX 4.99	MIN 2.85								
WTR YR 1979	MEAN 4.22		MAX 6.81	MIN 3.15								

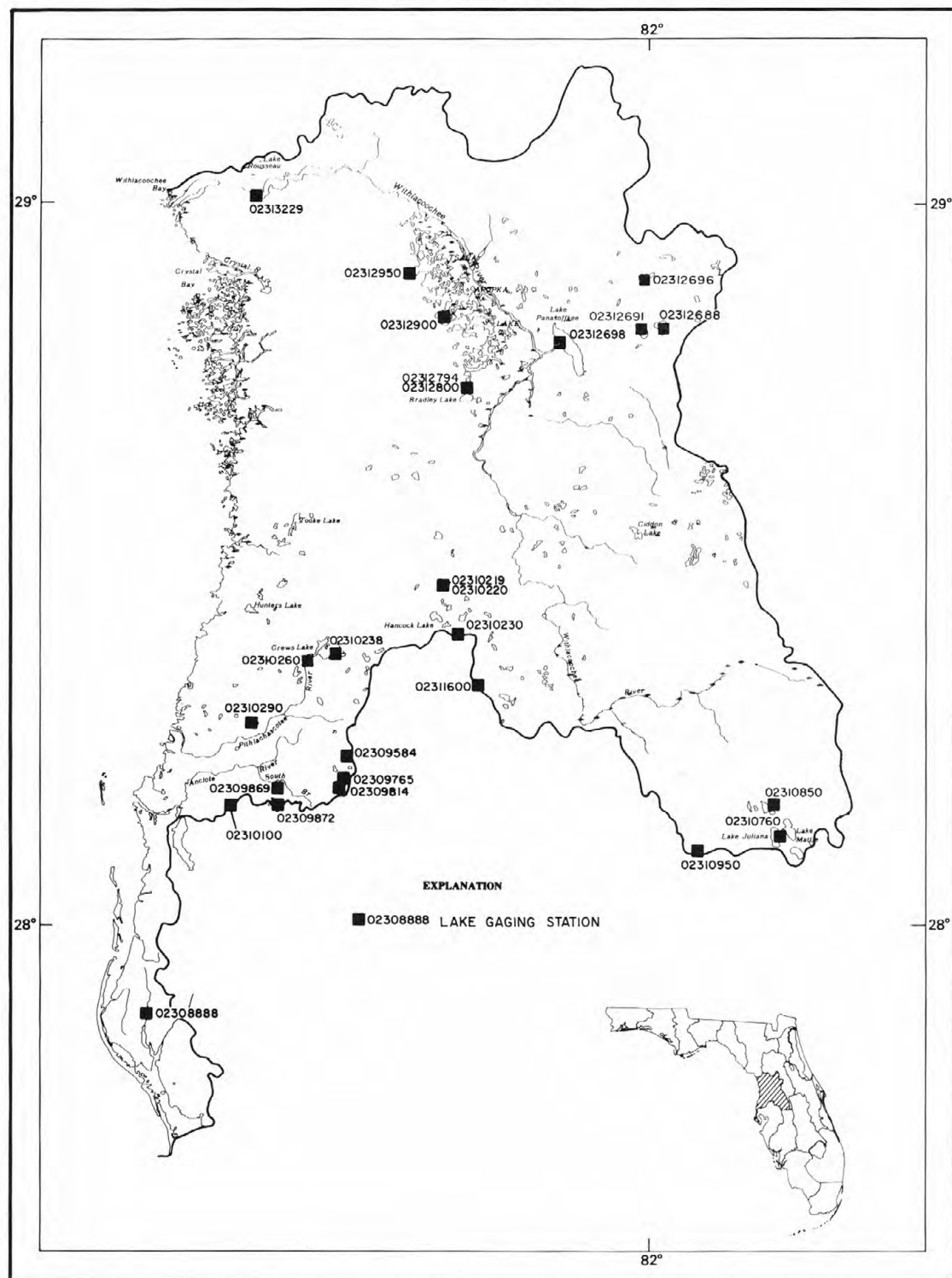


Figure 10. Location of lake gaging stations in the Withlacoochee River basin and coastal areas.

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02308888 SEMINOLE LAKE NEAR LARGO, FL

LOCATION.--Lat 27°50'20", long 82°46'50", in SE¼ sec.27, T.30 S., R.15 E., Pinellas County, Hydrologic Unit 03100207, on south shore of lake, 250 ft (75 m) west of highway bridge across spillway channel, and 5.2 mi (8.4 km) south of Largo.

SURFACE AREA (REVISED)--684 acres (1.07 mi², 2.77 km²).

DRAINAGE AREA (REVISED)--6.94 mi² (17.97 km²).

PERIOD OF RECORD.--August 1950 to September 1973; October 1973 to March 1974 (fragmentary); April 1974 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Pinellas County bench mark).

REMARKS.--Outlet of lake is a 50 ft (15 m) fixed concrete control structure with crest at average elevation of 5.0 ft (1.5 m). Greater part of inflow to Seminole Lake is regulated by pumps at north dam 3.0 mi (4.8 km) above station. Pumpage at north dam represents natural flow of tributary above dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.22 ft (2.505 m) June 26, 1974; minimum, 3.12 ft (0.951 m) June 29, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.25 ft (1.905 m) May 8; minimum, 3.76 ft (1.146 m) Nov. 27.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	4.13	4.02	4.25	4.86	4.95	4.74	4.31	4.89	4.14	4.23	5.55
2	4.52	4.12	4.08	4.42	4.81	4.95	4.72	4.30	4.86	4.12	4.21	5.29
3	4.51	4.09	4.06	4.52	4.80	4.94	4.69	4.28	4.85	4.10	4.21	5.19
4	4.49	4.06	4.04	4.50	4.80	4.93	4.68	4.25	4.82	4.07	4.20	5.04
5	4.48	4.04	4.10	4.47	4.81	4.94	4.69	4.23	4.79	4.16	4.19	5.00
6	4.47	4.02	4.11	4.46	4.78	5.12	4.70	4.22	4.77	4.26	4.20	5.00
7	4.49	4.01	4.10	4.45	4.84	5.16	4.67	4.25	4.75	4.25	4.20	5.03
8	4.47	4.02	4.09	4.54	4.87	5.13	4.63	5.41	4.73	4.29	4.18	4.99
9	4.47	4.01	4.09	4.55	4.86	5.10	4.59	5.75	4.70	4.27	4.17	4.96
10	4.46	4.00	4.14	4.52	4.81	5.06	4.60	5.40	4.66	4.24	4.17	4.93
11	4.46	4.00	4.08	4.51	4.79	5.05	4.59	5.22	4.63	4.23	4.43	4.91
12	4.42	3.98	4.09	4.72	4.78	4.99	4.57	5.12	4.61	4.42	4.87	4.90
13	4.40	3.96	4.05	4.89	4.78	4.97	4.54	5.05	4.58	4.51	4.98	5.05
14	4.40	3.96	4.04	4.92	4.77	4.96	4.54	5.03	4.56	4.55	4.98	5.15
15	4.48	3.96	4.02	4.90	4.76	4.96	4.54	5.00	4.55	4.60	4.97	5.13
16	4.45	3.95	4.02	4.88	4.76	4.93	4.53	5.07	4.51	4.58	4.95	5.11
17	4.37	3.94	4.04	4.88	4.77	4.91	4.49	5.02	4.49	4.56	4.93	5.05
18	4.42	3.94	4.00	4.88	4.76	4.90	4.47	4.96	4.48	4.54	4.91	5.01
19	4.40	3.93	3.99	4.88	4.76	4.89	4.46	4.92	4.46	4.52	4.88	4.98
20	4.35	3.93	3.98	4.82	4.74	4.88	4.43	4.89	4.42	4.50	4.87	4.95
21	4.26	3.91	3.97	4.93	4.72	4.87	4.40	4.87	4.40	4.48	4.84	4.97
22	4.26	3.89	4.01	4.92	4.73	4.85	4.38	4.84	4.36	4.47	4.83	5.23
23	4.29	3.88	3.99	4.88	4.74	4.83	4.35	4.80	4.33	4.42	4.91	5.20
24	4.26	3.88	3.97	4.97	4.72	4.89	4.34	4.95	4.31	4.44	5.00	5.60
25	4.20	3.87	4.04	4.96	4.95	4.87	4.38	5.09	4.28	4.42	5.07	5.40
26	4.19	3.84	4.03	4.94	5.05	4.84	4.38	5.03	4.26	4.37	5.03	5.41
27	4.19	3.81	4.06	4.93	5.00	4.82	4.36	4.99	4.24	4.34	5.00	5.29
28	4.19	3.82	4.37	4.94	4.96	4.81	4.38	4.97	4.21	4.32	4.98	5.19
29	4.17	3.81	4.32	4.90	---	4.79	4.35	4.95	4.19	4.31	4.98	5.29
30	4.20	3.80	4.26	4.89	---	4.77	4.32	4.92	4.17	4.27	5.19	5.36
31	4.18	---	4.25	4.90	---	4.76	---	4.90	---	4.25	5.43	---
MEAN	4.37	3.95	4.08	4.75	4.81	4.93	4.52	4.87	4.53	4.35	4.71	5.14
MAX	4.52	4.13	4.37	4.97	5.05	5.16	4.74	5.75	4.89	4.60	5.43	5.60
MIN	4.17	3.80	3.97	4.25	4.72	4.76	4.32	4.22	4.17	4.07	4.17	4.90

CAL YR 1978 MEAN 4.62 MAX 5.33 MIN 3.80
WTR YR 1979 MEAN 4.58 MAX 5.75 MIN 3.80

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02309584 LAKE THOMAS AT DREXEL, FL

LOCATION.--Lat 28°14'14", long 82°28'08", in NE¼ sec.11, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100207, on south shore of lake, 0.6 mi (1.0 km) southwest of Drexel.

SURFACE AREA.--162 acres (0.25 mi², 0.66 km²).

DRAINAGE AREA.--1.0 mi² (2.6 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 70.00 ft (21.336 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.43 ft (22.991 m) Sept. 23, 1969; minimum, 71.34 ft (21.744 m) Aug. 8, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.40 ft (22.982 m) May 10, 11 (estimated); minimum, 73.32 ft (22.348 m) Dec. 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.28	73.82	73.48	73.56	74.05	74.10	74.10	73.62	74.65	74.11	73.96	74.93
2	74.28	73.80	73.49	73.64	74.04	74.15	74.08	73.62	74.62	74.10	73.94	74.90
3	74.26	73.77	73.48	73.69	74.05	74.20	74.07	73.60	74.60	74.09	73.92	74.87
4	74.25	73.74	73.47	73.67	74.00	74.25	74.06	73.59	74.58	74.08	73.90	74.84
5	74.24	73.72	73.51	73.66	74.00	74.35	74.05	73.57	74.55	74.08	73.88	74.82
6	74.23	73.71	73.52	73.66	73.95	74.40	74.04	73.55	74.53	74.06	73.92	74.79
7	74.21	73.70	73.51	73.66	73.95	74.40	74.03	73.61	74.50	74.06	74.12	74.76
8	74.18	73.69	73.50	73.71	73.95	74.40	74.00	74.05	74.48	74.03	74.22	74.73
9	74.15	73.68	73.50	73.71	73.90	74.40	73.98	74.23	74.45	74.04	74.24	74.70
10	74.13	73.67	73.48	73.69	73.95	74.35	73.98	75.40	74.42	73.95	74.22	74.69
11	74.12	73.66	73.45	73.69	73.95	74.35	73.96	75.40	74.39	73.92	74.26	74.69
12	74.11	73.64	73.44	73.85	73.95	74.31	73.94	75.35	74.37	73.92	74.42	74.71
13	74.10	73.63	73.42	73.98	73.95	74.30	73.93	75.30	74.33	73.91	74.51	74.81
14	74.10	73.61	73.40	73.99	73.90	74.29	73.92	75.15	74.30	73.96	74.56	74.87
15	74.08	73.60	73.39	73.99	73.90	74.28	73.90	75.05	74.28	74.03	74.56	74.92
16	74.06	73.59	73.39	73.99	73.85	74.26	73.88	75.00	74.26	74.06	74.54	74.94
17	74.03	73.58	73.38	73.99	73.85	74.25	73.85	74.89	74.23	74.09	74.53	74.91
18	74.01	73.58	73.36	73.99	73.85	74.23	73.82	74.85	74.21	74.08	74.53	74.89
19	73.99	73.56	73.35	74.00	73.85	74.22	73.80	74.82	74.19	74.07	74.56	74.86
20	73.98	73.55	73.35	74.00	73.85	74.22	73.78	74.78	74.16	74.07	74.83	74.83
21	73.96	73.54	73.34	74.03	73.85	74.20	73.75	74.74	74.14	74.05	74.83	74.84
22	73.95	73.52	73.34	74.03	73.85	74.19	73.72	74.71	74.05	74.03	74.82	74.91
23	73.93	73.51	73.33	74.02	73.95	74.20	73.69	74.68	74.13	74.03	74.83	74.96
24	73.92	73.50	73.36	74.08	74.10	74.22	73.68	74.73	74.13	74.06	74.86	75.34
25	73.90	73.49	73.41	74.08	74.10	74.20	73.70	74.83	74.13	74.10	74.88	75.32
26	73.89	73.47	73.40	74.08	74.10	74.18	73.69	74.79	74.12	74.09	74.86	75.34
27	73.89	73.45	73.40	74.08	74.10	74.17	73.68	74.76	74.11	74.07	74.84	75.36
28	73.88	73.44	73.52	74.08	74.10	74.15	73.66	74.73	74.11	74.05	74.82	75.33
29	73.87	73.43	73.56	74.07	---	74.13	73.64	74.70	74.12	74.03	74.79	75.31
30	73.85	73.43	73.56	74.06	---	74.12	73.63	74.68	74.11	74.01	74.81	75.32
31	73.83	---	73.56	74.06	---	74.11	---	74.67	---	73.99	74.95	---
MEAN	74.05	73.60	73.44	73.90	73.96	74.24	73.87	74.56	74.31	74.04	74.48	74.95
MAX	74.28	73.82	73.56	74.08	74.10	74.40	74.10	75.40	74.65	74.11	74.95	75.36
MIN	73.83	73.43	73.33	73.56	73.85	74.10	73.63	73.55	74.05	73.91	73.88	74.69

CAL YR 1978 MEAN 73.45 MAX 74.50 MIN 72.37
WTR YR 1979 MEAN 74.12 MAX 75.40 MIN 73.33

NOTE.--Record estimated Feb. 3 to Mar. 11, May 10-16.

TAMPA BAY AND COASTAL AREAS

02309765 LAKE LINDA AT DENHAM, FL

LOCATION.--Lat 28°11'14", long 82°28'52", in SW¼ sec.26, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100206, on southwest shore of lake, on private dock, 1.0 mi (1.6 km) southwest of Denham.

SURFACE AREA.--31.0 acres (0.05 mi², 0.13 km²).

DRAINAGE AREA.--0.94 mi² (2.43 km²).

PERIOD OF RECORD.--October 1969 to January 1970 (incomplete); February 1970 to March 1972 (fragmentary); April 1972 to February 1978 (twice weekly), incomplete; March 1978 to current year (weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is 60.45 ft (18.425 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is near the Pasco County well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 67.13 ft (20.461 m) Aug. 21, 1979; minimum daily, 62.05 ft (18.913 m) May 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 67.13 ft (20.461 m) Aug. 21; minimum daily, 64.35 ft (19.614 m) Dec. 21.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	64.59	64.75	---	65.41	65.41	---	66.23	---	---	---
5	65.63	65.03	---	---	65.24	---	---	64.69	---	---	---	66.45
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	65.57	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	65.49	---	---	---	---	---	---	---	---	---	---	---
12	---	64.89	64.51	64.97	65.23	65.65	65.23	67.01	65.91	---	66.83	65.91
13	---	---	---	---	---	---	---	---	---	---	---	---
14	65.45	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	66.59	---	---	---	---
20	---	---	---	65.13	65.15	65.55	65.11	---	65.69	---	---	65.87
21	65.31	---	64.35	---	---	---	---	---	---	---	67.13	---
22	---	64.73	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	65.69	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	65.41	---	64.85	---	---	65.85	---	---
28	65.15	64.60	---	65.39	---	---	---	---	---	---	66.81	66.49
29	---	---	---	---	---	65.51	---	---	65.69	---	---	---
30	---	---	---	---	---	---	---	66.37	---	---	---	---
31	---	---	---	---	---	---	---	66.37	---	---	---	---

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02309814 CAMP LAKE NEAR DENHAM, FL

LOCATION.--Lat 28°11'03", long 82°29'26", in NE¼ sec.34, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100207, on east shore of lake, 1.6 mi (2.6 km) west of Denham.

SURFACE AREA.--20.5 acres (0.03 mi², 0.08 km²).

DRAINAGE AREA.--1 mi² (3 km²), approximately.

PERIOD OF RECORD.--April 1968 to current year (thrice weekly), incomplete.

REVISED RECORDS.--WRD FL 1969: 1968.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Apr. 27, 1970, at datum 0.10 ft (0.030 m) lower.

REMARKS.--Lake has no surface outlet.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 64.00 ft (19.507 m) Sept. 24, 1979; minimum daily, 54.94 ft (16.746 m) Aug. 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 64.00 ft (19.507 m) Sept. 24; minimum daily, 59.80 ft (18.227 m) Dec. 23.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	60.24	---	---	60.72	---	---	---	---	---	63.66
2	61.74	---	---	60.16	---	---	---	---	63.20	62.42	62.12	---
3	61.70	60.82	---	---	---	60.70	60.82	59.92	---	---	---	---
4	---	---	---	---	---	---	60.76	---	---	---	62.06	---
5	61.64	---	60.18	---	60.59	60.70	60.76	---	63.00	62.38	---	63.54
6	---	60.74	---	60.14	---	---	---	---	---	---	62.10	---
7	---	---	60.14	---	---	60.96	60.72	59.82	63.04	---	---	---
8	61.50	60.70	---	60.16	60.64	---	---	61.50	---	62.32	62.44	63.48
9	61.50	---	60.12	---	---	---	60.66	62.83	62.96	---	---	---
10	---	60.66	---	---	60.60	---	---	---	---	62.26	62.56	63.44
11	61.42	---	---	60.16	---	61.02	---	---	62.90	---	---	---
12	---	---	60.06	---	---	---	60.56	63.38	---	62.24	---	---
13	---	---	---	60.46	---	61.08	---	---	---	---	---	63.50
14	61.38	60.56	---	---	60.54	---	---	63.50	62.78	62.18	63.38	---
15	---	---	59.98	---	---	---	---	---	---	---	---	63.74
16	61.32	60.52	---	60.52	60.48	61.04	60.44	---	62.76	62.16	63.40	---
17	---	60.48	---	---	---	---	---	63.44	---	62.16	---	---
18	---	---	59.90	60.52	---	---	---	---	62.66	---	63.40	63.62
19	61.22	---	---	---	---	60.98	60.32	63.36	---	62.12	---	---
20	---	60.44	---	---	60.44	---	---	---	---	---	63.64	---
21	61.16	---	59.84	---	---	---	---	---	62.56	62.16	---	---
22	---	---	---	60.56	60.42	60.94	---	63.20	---	---	63.80	63.68
23	61.12	---	59.80	---	---	---	60.16	---	---	62.11	---	---
24	---	60.32	---	---	---	---	60.08	---	---	62.12	---	64.00
25	---	---	---	60.66	---	---	---	63.38	62.40	---	63.78	---
26	61.02	---	---	---	---	60.98	60.12	---	---	62.36	---	---
27	---	---	---	---	60.70	---	---	---	---	---	---	---
28	60.98	60.20	60.00	---	---	---	60.08	63.30	62.36	62.30	63.64	63.86
29	---	---	---	60.66	---	60.92	---	---	---	---	---	---
30	---	60.18	60.02	---	---	---	60.00	---	62.50	---	---	---
31	60.92	---	60.02	60.66	---	60.86	---	63.26	---	62.20	63.66	---

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02309869 BLACK LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°11'22", long 82°34'36", in SW¼ sec.26, T.26 S., R.17 E., Pasco County, Hydrologic Unit 03100207, on south shore of lake, 1.1 mi (1.8 km) east of Odessa.

SURFACE AREA.--5.2 acres (0.01 mi², 0.02 km²).

DRAINAGE AREA.--0.3 mi² (0.8 km²), approximately.

PERIOD OF RECORD.--April 1970 to current year (fragmentary).

GAGE.--Nonrecording gage. Datum of gage is 42.14 ft (12.844 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 49.73 ft (15.158 m) July 25, 1978; minimum daily, 46.46 ft (14.161 m) July 27, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 49.58 ft (15.112 m) May 30; minimum daily, 48.45 ft (14.768 m) Nov. 28.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

Oct. 3	 49.28	Apr. 4	 49.27
Nov. 28	 48.45	May 30	 49.58
Feb. 7	 49.31	July 24	 49.29

02309872 PARKER LAKE NEAR ODESSA, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 49.29 ft (15.024 m) Sept. 24; minimum daily, 46.57 ft (14.195 m) Dec. 22.

[illegible]

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310100 LAKE DAN NEAR ODESSA, FL

LOCATION.--Lat 28°10'00", long 82°38'55", in NW¼ sec.6, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100207, on northwest shore of lake, 3.7 mi (6.0 km) southwest of Odessa.

SURFACE AREA.--36.7 acres (0.06 mi², 0.15 km²).

DRAINAGE AREA.--0.6 mi² (1.6 km²), approximately.

PERIOD OF RECORD.--August 1965 to July 1966 (thrice weekly), incomplete; August 1966 to September 1971; October 1971 to September 1974 (four times weekly), incomplete; October 1974 to current year.

GAGE.--Nonrecording gage. Datum of gage is 18.29 ft (5.575 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is in the Eldridge-Wilde well field. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 33.29 ft (10.147 m) Feb. 7, 1970; minimum daily, 18.84 ft (5.742 m) June 22, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 32.57 ft (9.927 m) Sept. 30; minimum daily, 25.73 ft (7.843 m) Apr. 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.37	27.99	26.69	27.25	28.11	27.55	26.79	25.93	28.85	27.29	27.31	29.57
2	29.34	27.93	26.67	27.27	28.07	27.51	26.75	25.93	28.81	27.21	27.31	29.63
3	29.26	27.89	26.63	27.39	28.05	27.47	26.71	25.95	28.75	27.17	27.29	29.67
4	29.21	27.83	26.61	27.41	28.01	27.43	26.67	25.95	28.71	27.11	27.29	29.81
5	29.16	27.79	26.67	27.43	27.97	27.39	26.63	25.95	28.67	27.07	27.29	29.87
6	29.12	27.75	26.67	27.43	27.95	27.53	26.59	25.97	28.63	27.01	27.35	29.91
7	29.07	27.69	26.69	27.45	27.97	27.61	26.55	26.01	28.57	26.97	27.49	29.95
8	28.99	27.65	26.69	27.55	27.95	27.59	26.49	26.37	28.51	27.17	27.59	29.99
9	28.93	27.61	26.69	27.55	27.91	27.59	26.45	27.41	28.43	27.17	27.61	30.03
10	28.87	27.57	26.69	27.55	27.89	27.57	26.39	27.77	28.37	27.17	27.67	30.07
11	28.83	27.51	26.69	27.57	27.89	27.55	26.35	28.09	28.31	27.17	27.93	30.09
12	28.81	27.47	26.69	27.77	27.89	27.53	26.31	28.37	28.23	27.17	27.99	30.11
13	28.79	27.43	26.71	27.95	27.89	27.51	26.25	28.63	28.17	27.17	28.19	30.13
14	28.75	27.39	26.71	28.07	27.89	27.49	26.19	28.81	28.09	27.19	28.25	30.37
15	28.71	27.35	26.73	28.11	27.87	27.45	26.17	28.93	28.03	27.19	28.27	30.47
16	28.65	27.29	26.73	28.13	27.83	27.43	26.11	28.99	27.99	27.21	28.29	30.51
17	28.61	27.25	26.75	28.17	27.79	27.37	26.05	29.05	27.93	27.23	28.37	30.67
18	28.56	27.21	26.75	28.19	27.75	27.33	25.99	29.07	27.89	27.25	28.39	30.75
19	28.51	27.17	26.75	28.23	27.71	27.29	25.93	29.08	27.83	27.29	28.43	30.79
20	28.47	27.11	26.77	28.27	27.67	27.25	25.87	29.05	27.77	27.31	28.49	30.83
21	28.41	27.05	26.78	28.33	27.63	27.21	25.81	28.99	27.69	27.31	28.53	30.87
22	28.35	27.01	26.79	28.35	27.59	27.17	25.75	28.95	27.63	27.33	28.55	30.93
23	28.31	26.97	26.79	28.33	27.55	27.11	25.73	28.89	27.63	27.35	28.59	30.97
24	28.25	26.93	26.81	28.37	27.57	27.15	25.73	28.85	27.57	27.39	28.63	31.49
25	28.21	26.89	26.95	28.35	27.67	27.11	25.81	29.03	27.53	27.39	28.67	31.59
26	28.19	26.85	26.97	28.31	27.65	27.09	25.85	29.00	27.47	27.39	28.69	31.83
27	28.15	26.81	26.99	28.25	27.61	27.05	25.87	28.97	27.43	27.37	28.71	32.07
28	28.09	26.77	27.17	28.23	27.57	26.99	25.89	28.93	27.39	27.37	28.79	32.19
29	28.11	26.73	27.19	28.21	---	26.93	25.91	28.89	27.37	27.35	28.81	32.31
30	28.07	26.67	27.21	28.19	---	26.87	25.91	28.85	27.33	27.35	28.99	32.57
31	28.03	---	27.23	28.15	---	26.83	---	28.85	---	27.34	29.27	---
MEAN	28.65	27.32	26.80	27.93	27.82	27.32	26.18	28.05	28.05	27.24	28.16	30.67
MAX	29.37	27.99	27.23	28.37	28.11	27.61	26.79	29.08	28.85	27.39	29.27	32.57
MIN	28.03	26.67	26.61	27.25	27.55	26.83	25.73	25.93	27.33	26.97	27.29	29.57
CAL YR 1978	MEAN 27.83		MAX 30.99	MIN 26.10								
WTR YR 1979	MEAN 27.85		MAX 32.57	MIN 25.73								

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310219 NEFF LAKE SINK NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°28'44", long 82°19'14", in SE¼ sec.17, T.23 S., R.20 E., Hernando County, Hydrologic Unit 03100207, in diked sink hole area, at fish camp on east shore of lake, 6.3 mi (10.1 km) southeast of Brooksville, and 9.0 mi (14.5 km) east of Masaryktown.

DRAINAGE AREA.--5.08 mi² (13.16 km²).

PERIOD OF RECORD.--

ELEVATION: June 1971 to December 1974 (twice weekly), incomplete, January 1975 to current year (fragmentary). Records equivalent to Neff Lake since January 1965, except during extreme low water when dike separates sink from lake.

WATER TEMPERATURE: June 1971 to current year. Records of temperature observations prior to October 1977 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 90.00 ft (27.432 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Sink is isolated from Neff Lake by an earthen dike below elevation of 86.6 ft (26.40 m).

EXTREMES FOR PERIOD OF RECORD.--

ELEVATION: Maximum daily elevation, 99.18 ft (30.230 m) Sept. 17, 1974; sink dry for many days in 1969, 1972-74.

WATER TEMPERATURE: (1977-79); Maximum temperature observed, 34.0°C July 9, 1979; minimum observed, 12.0°C Jan. 30, 1979.

ELEVATION AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	ELEV- ATION (FT. NGVD)	TEMPER- ATURE (DEG C)	DATE	TIME	ELEV- ATION (FT. NGVD)	TEMPER- ATURE (DEG C)
NOV				MAY			
08...	0900	90.14	21.5	23...	0820	90.91	27.0
JAN				JUL			
30...	0720	90.00	12.0	09...	1600	90.16	34.0
MAR				SEP			
21...	0830	90.30	21.0	19...	0700	95.02	24.5

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310220 NEFF LAKE NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°28'44", long 82°19'14", in SE¼ sec.17, T.23 S., R.20 E., Hernando County, Hydrologic Unit 03100207, at fish camp on east shore of lake, 6.3 mi (10.1 km) southeast of Brooksville, and 9.0 mi (14.5 km) east of Masaryktown.

SURFACE AREA.--224 acres (0.35 mi², 0.91 km²).

DRAINAGE AREA.--5.08 mi² (13.16 km²).

PERIOD OF RECORD.--

ELEVATION: January 1965 to March 1968 (twice weekly), incomplete, April 1968 to January 1970 (fragmentary), February 1970 to December 1974 (twice weekly), incomplete, January 1975 to current year (fragmentary).

WATER TEMPERATURE: January 1965 to current year. Records of temperature observations prior to October 1977 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is 90.00 ft (27.432 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is interconnected with Mountain Lake during extreme high-water periods. Some outflow through sinkhole on east shore of lake; lake is isolated from sink by an earthen dike below elevation of 86.6 ft (26.40 m).

EXTREMES FOR PERIOD OF RECORD.--

ELEVATION: Maximum daily elevation, 101.31 ft (30.879 m) Aug. 31, 1965; lake dry (except for sinkhole) for most of period May 1968 to September 1969.

WATER TEMPERATURE: (1977-79); Maximum temperature observed, 34.0°C July 9, 1979; minimum observed, 12.0°C Jan. 30, 1979.

ELEVATION AND WATER TEMPERATURE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	ELEV- ATION (FT. NGVD)	TEMPER- ATURE (DEG C)	DATE	TIME	ELEV- ATION (FT. NGVD)	TEMPER- ATURE (DEG C)
NOV				MAY			
08...	0900	90.14	21.5	23...	0820	90.91	27.0
JAN				JUL			
30...	0720	90.00	12.0	09...	1600	90.16	34.0
MAR				SEP			
21...	0830	90.30	21.0	19...	0705	95.02	28.5

02310230 LAKE IOLA NEAR SAN ANTONIO, FL

DRAINAGE AREA.--0.49 mi² (1.27 km²).

GAGE.--Nonrecording gage. Datum of gage is 100.00 ft (30.480 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Nov. 27, 1973, at site 0.29 mi (0.47 km) southwest at datum 7.00 ft (2.134 m) lower; Nov. 27, 1973, to Jan. 17, 1975, at site 0.28 mi (0.45 km) south at present datum; Jan. 17, 1975, to Dec. 7, 1977, at site 0.29 mi (0.47 km) southwest at present datum.

REMARKS.--Outflow from lake is northward through ditch to Moody Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 147.36 ft (44.915 m) Oct. 8, 1966; minimum daily, 136.92 ft (41.733 m) May 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 141.52 ft (43.135 m) Sept. 28; minimum daily, 136.92 ft (41.733 m) May 6.

[illegible]

02310238 PASCO LAKE AT LOYCE, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 66.80 ft (20.361 m) Sept. 28; minimum daily, 59.86 ft (18.245 m) Jan. 8.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

[illegible]

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310260 CREWS LAKE (SOUTH) NEAR LOYCE, FL

LOCATION.--Lat 28°22'23", long 82°31'50", in NW¼ sec.29, T.24 S., R.18 E., Pasco County, Hydrologic Unit 03100207, 800 ft (244 m) from southwest shore, 2.5 mi (4.0 km) west of Loyce, 3.4 mi (5.5 km) north of Fivay Junction, and 24.0 mi (38.6 km) above the mouth of the Pithlachascotee River.

SURFACE AREA.--749 acres (1.17 mi², 3.03 km²), includes north lake area.

DRAINAGE AREA.--138 mi² (357 km²).

PERIOD OF RECORD.--March 1964 to February 1965 (twice weekly), incomplete; March 1965 to June 1974 (fragmentary); May to September 1979.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to June 30, 1974, nonrecording gage at site 1.8 mi (2.9 km) northeast, at present datum.

REMARKS.--Lake is in the headwaters of the Pithlachascotee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 56.60 ft (17.252 m) Sept. 24, Oct. 3, 1964; lake dry at gage many days 1968, 1972-74.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 55.76 ft (16.996 m) Sept. 30; minimum, 50.21 ft (15.304 m) May 7.

ELEVATION, IN FEET NGVD, MAY TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	52.23	51.60	51.14	53.68
2								---	52.24	51.57	51.14	53.75
3								---	52.24	51.54	51.14	53.85
4								50.29	52.25	51.51	51.11	53.93
5								50.25	52.25	51.50	51.09	54.02
6								50.24	52.26	51.50	51.10	54.11
7								50.31	52.24	51.50	51.26	54.10
8								51.10	52.21	51.55	51.36	54.08
9								51.68	52.17	51.57	51.54	54.06
10								51.75	52.13	51.54	51.56	54.05
11								51.93	52.09	51.51	51.61	54.04
12								52.05	52.07	51.48	51.80	54.05
13								52.12	52.03	51.45	51.93	54.12
14								52.12	52.00	51.43	51.97	54.21
15								52.13	51.96	51.40	52.00	54.49
16								52.13	51.92	51.39	52.02	54.64
17								52.14	51.89	51.41	52.12	54.72
18								52.14	50.06	51.40	52.25	54.78
19								52.15	51.84	51.40	52.33	54.82
20								52.15	51.81	51.41	52.47	54.85
21								52.16	51.78	51.39	52.66	54.87
22								52.17	51.75	51.35	52.78	54.90
23								52.17	51.73	51.33	52.99	54.99
24								52.18	51.69	51.34	53.23	55.20
25								52.18	51.66	51.34	53.28	55.29
26								52.19	51.64	51.32	53.29	55.44
27								52.20	51.65	51.29	53.29	55.63
28								52.20	51.68	51.26	53.34	55.67
29								52.21	51.66	51.24	53.42	55.72
30								52.22	51.64	51.21	53.50	55.76
31								52.23	---	51.17	53.59	---
MEAN								---	51.89	51.42	52.20	54.59
MAX								---	52.26	51.60	53.59	55.76
MIN								---	50.06	51.17	51.09	53.68

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310290 MOON LAKE NEAR NEW PORT RICHEY, FL

LOCATION.--Lat 28°17'07", long 82°37'00", in NW¼ sec.28, T.25 S., R.17 E., Pasco County, Hydrologic Unit 03100207, on west shore of lake, on private dock, 6.5 mi (10.5 km) northeast of New Port Richey, and 6.5 mi (10.5 km) north of Odessa.

SURFACE AREA.--98.2 acres (0.15 mi², 0.40 km²).

DRAINAGE AREA.--0.37 mi² (0.96 km²).

PERIOD OF RECORD.--January 1965 to current year (thrice weekly), incomplete.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Jan. 10, 1973, at site 1,400 ft (400 m) northwest on northwest shore of lake at same datum.

REMARKS.--Lake has no surface outlet.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 40.50 ft (12.344 m) Aug. 9, 13, 1965; minimum daily, 34.96 ft (10.656 m) June 7, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 40.12 ft (12.229 m) Sept. 29; minimum daily, 37.22 ft (11.345 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	37.80	37.46	37.54	38.00	38.10	38.16	---	---	38.50	38.06	39.20
2	38.30	---	---	---	---	38.11	---	37.72	39.12	---	---	---
3	---	37.76	---	37.60	38.00	38.10	38.14	---	---	38.46	38.00	---
4	38.26	---	37.44	---	---	---	---	37.70	39.10	---	---	39.26
5	---	---	---	37.58	37.98	---	38.12	---	---	38.44	---	---
6	38.24	37.70	37.46	---	---	38.26	---	37.66	39.06	---	38.00	39.26
7	---	---	---	---	---	---	---	---	---	---	---	---
8	38.18	37.68	37.42	37.60	38.06	38.34	38.08	38.56	39.02	38.40	38.10	39.26
9	38.14	37.66	37.44	37.58	---	---	---	38.80	---	38.38	38.08	39.24
10	38.12	---	---	---	38.06	38.32	38.04	---	38.96	---	---	---
11	38.10	37.66	37.40	37.56	---	---	---	38.96	---	38.34	38.40	39.26
12	---	---	---	37.70	38.04	38.34	38.02	---	38.90	---	---	---
13	38.08	37.64	---	37.86	---	---	---	39.00	---	---	---	---
14	---	---	37.36	---	38.02	38.32	38.00	---	38.84	38.32	38.58	39.34
15	---	37.60	---	---	---	---	---	39.04	---	---	---	---
16	38.08	---	37.32	37.90	38.02	38.30	37.94	---	38.80	38.30	38.58	39.44
17	38.04	37.58	37.28	37.90	38.00	---	---	39.08	38.78	---	---	---
18	---	---	---	---	---	38.30	37.92	---	---	38.30	38.60	39.42
19	38.02	37.54	37.26	37.90	38.00	---	---	39.04	38.74	---	---	---
20	---	---	---	---	---	38.26	37.86	---	---	38.28	38.66	39.40
21	---	37.52	---	---	---	---	---	39.00	---	---	38.66	---
22	37.98	---	37.24	37.96	38.00	38.24	37.80	---	38.70	38.24	---	39.40
23	---	---	---	---	---	---	---	---	---	---	38.66	---
24	37.94	37.50	37.22	38.00	38.02	38.28	37.76	38.96	38.66	38.22	---	39.72
25	---	37.46	---	38.00	38.14	38.26	37.80	39.06	---	---	38.74	39.74
26	37.92	---	37.46	---	---	---	---	---	38.60	38.20	---	---
27	---	37.42	---	---	---	38.22	37.80	39.02	---	---	38.74	40.10
28	37.88	---	37.52	38.00	38.12	---	---	---	38.58	38.16	---	---
29	---	---	---	---	---	38.20	37.78	38.98	---	---	38.76	40.12
30	---	37.40	---	38.00	---	---	37.76	---	38.54	---	---	---
31	37.84	---	37.54	38.00	---	38.18	---	39.12	---	38.10	38.98	---

02310760 LAKE JULIANA NEAR POLK CITY, FL

SURFACE AREA.--919 acres (1.44 mi², 3.72 km²).

DRAINAGE AREA.--5.4 mi² (14.0 km²), approximately.

PERIOD OF RECORD.--December 1961 to September 1975; October 1975 to current year (weekly).

GAGE.--Nonrecording gage. Datum of gage is 126.49 ft (38.554 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.

REMARKS.--Lake is one of a group of lakes in the southern part of an extensive area of swampy flatlands and sandy ridges at a relatively high elevation, called the Green Swamp. Streams that flow into five major drainage systems originate in or near the Green Swamp area. Lake is connected to Lake Mattie by a canal which tends to equalize the lake elevations.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 132.92 ft (40.514 m) Mar. 12, 1970; minimum daily, 126.20 ft (38.466 m) May 7, 14, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 131.95 ft (40.218 m) Sept. 28, occurred on rise preceding crest of Oct. 5, 1979;
minimum daily, 128.42 ft (39.142 m) Dec. 22.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

02310850 LAKE HELENE NEAR POLK CITY, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 143.54 ft (43.751 m) Sept. 28; minimum daily, 140.54 ft (42.837 m) Dec. 22.

[illegible]

WITHLACOOCHIEE RIVER BASIN

02310950 LAKE DEESON NEAR LAKE LAND, FL

LOCATION.--Lat 28°06'37", long 81°55'51", in NW¼ sec.29, T.27 S., R.24 E., Polk County, Hydrologic Unit 03100208, on south shore of lake, 5.0 mi (8.0 km) northeast of intersection of U.S. Highways 92 and 98 in Lakeland.

SURFACE AREA.--116 acres (0.18 mi², 0.47 km²).

DRAINAGE AREA.--0.96 mi² (2.49 km²).

PERIOD OF RECORD.--July 1954 to March 1960 (fragmentary), May 1965 to current year. Records of elevations prior to May 1965 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 118.21 ft (36.030 m) National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD. Prior to Oct. 17, 1957, nonrecording gage at same site at datum 20.25 ft (6.172 m) higher and Oct. 17, 1957, to March 1960, at datum 20.79 ft (6.337 m) higher.

REMARKS.--Lake is landlocked except at extreme high stages when flow is to the northeast to the headwaters of Gator Creek. Since Dec. 14, 1973, elevation of lake affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 135.49 ft (41.297 m) Sept. 28, 1954; minimum daily, 119.81 ft (36.518 m) May 24, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation 129.70 ft (39.533 m), estimated, Sept. 30, occurred on rise preceding crest of Oct. 2, 1979; minimum daily, 124.51 ft (37.951 m) Dec. 23.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125.43	125.09	124.74	124.82	125.55	125.48	125.89	125.60	126.61	126.16	126.73	127.68
2	125.42	125.07	124.75	124.83	125.53	125.48	125.88	125.59	126.61	126.14	126.71	127.68
3	125.40	125.05	124.74	124.90	125.52	125.47	125.87	125.58	126.60	126.12	126.70	127.70
4	125.39	125.03	124.73	124.94	125.50	125.48	125.86	125.56	126.58	126.10	126.68	127.83
5	125.39	125.01	124.73	124.96	125.49	125.50	125.85	125.54	126.57	126.09	126.68	127.84
6	125.39	125.00	124.72	124.98	125.48	125.80	125.85	125.55	126.56	126.08	126.74	127.85
7	125.38	124.99	124.71	124.98	125.50	125.93	125.83	125.72	126.54	126.07	126.74	127.86
8	125.35	124.99	124.70	124.97	125.50	125.95	125.81	125.96	126.53	126.10	126.76	127.86
9	125.33	124.98	124.69	124.95	125.49	125.96	125.79	126.20	126.52	126.23	126.80	127.89
10	125.31	124.97	124.67	124.93	125.48	125.97	125.78	126.22	126.50	126.23	126.87	127.95
11	125.30	124.95	124.64	124.92	125.46	125.99	125.76	126.24	126.48	126.25	127.12	127.99
12	125.29	124.94	124.62	125.00	125.44	125.99	125.75	126.30	126.46	126.24	127.21	128.04
13	125.29	124.93	124.61	125.20	125.42	125.99	125.73	126.31	126.44	126.28	127.26	128.07
14	125.29	124.92	124.59	125.34	125.40	125.99	125.72	126.40	126.41	126.61	127.29	128.13
15	125.29	124.91	124.58	125.33	125.39	125.99	125.71	126.49	126.39	126.61	127.30	128.22
16	125.26	124.90	124.57	125.32	125.39	125.99	125.68	126.50	126.39	126.64	127.30	128.37
17	125.25	124.89	124.56	125.31	125.39	125.98	125.65	126.50	126.37	126.69	127.30	128.50
18	125.23	124.88	124.55	125.30	125.39	125.98	125.63	126.49	126.35	126.73	127.31	128.48
19	125.21	124.87	124.54	125.29	125.38	125.98	125.59	126.48	126.34	126.75	127.32	128.46
20	125.21	124.86	124.53	125.28	125.37	125.98	125.57	126.47	126.31	126.80	127.36	128.48
21	125.20	124.84	124.52	125.40	125.37	125.98	125.55	126.47	126.30	126.80	127.36	128.55
22	125.18	124.82	124.52	125.49	125.37	125.97	125.55	126.46	126.30	126.79	127.36	128.72
23	125.17	124.81	124.51	125.52	125.37	125.97	125.52	126.46	126.28	126.78	127.38	128.90
24	125.16	124.80	124.55	125.57	125.38	125.98	125.50	126.50	126.27	126.80	127.45	128.98
25	125.15	124.79	124.63	125.59	125.45	125.97	125.61	126.58	126.26	126.81	127.51	129.10
26	125.14	124.77	124.63	125.60	125.50	125.95	125.66	126.57	126.25	126.81	127.51	129.20
27	125.13	124.75	124.62	125.60	125.48	125.94	125.65	126.56	126.22	126.80	127.53	129.40
28	125.12	124.74	124.73	125.59	125.48	125.93	125.64	126.56	126.22	126.79	127.52	129.54
29	125.12	124.73	124.81	125.58	---	125.92	125.63	126.55	126.20	126.78	127.51	129.62
30	125.11	124.72	124.82	125.57	---	125.90	125.61	126.56	126.17	126.76	127.51	129.70
31	125.11	---	124.82	125.56	---	125.90	---	126.61	---	126.75	127.56	---
MEAN	125.26	124.90	124.65	125.25	125.45	125.88	125.70	126.24	126.40	126.50	127.17	128.42
MAX	125.43	125.09	124.82	125.60	125.55	125.99	125.89	126.61	126.61	126.81	127.56	129.70
MIN	125.11	124.72	124.51	124.82	125.37	125.47	125.50	125.54	126.17	126.07	126.68	127.68

CAL YR 1978 MEAN 124.61 MAX 125.56 MIN 123.61
WTR YR 1979 MEAN 125.99 MAX 129.70 MIN 124.51

NOTE.--Estimated Sept. 16-30.

02311600 CLEAR LAKE AT SAN ANTONIO, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 127.30 ft (38.801 m) Sept. 28; minimum daily, 124.32 ft (37.893 m) May 4.

[illegible]

02312688 LAKE DEATON NEAR WILDWOOD, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 63.10 ft (19.233 m) Sept. 28, occurred on rise preceding crest of Oct. 5, 1979; minimum daily, 61.08 ft (18.617 m) Nov. 24.

[illegible]

02312691 LAKE OKAHUMPKA NEAR WILDWOOD, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 57.92 ft (17.654 m) Sept. 28, occurred on rise preceding crest of Oct. 5, 1979; minimum daily, 55.91 ft (17.041 m) Nov. 24.

[illegible]

02312696 LAKE MIONA NEAR OXFORD, FL

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 51.10 ft (15.575 m) Sept. 27, occurred on rise preceding crest of Oct. 19, 1979; minimum daily, 49.74 ft (15.161 m) May 4.

[illegible]

WITHLACOOCHIEE RIVER BASIN

02312698 LAKE PANASOFFKEE NEAR LAKE PANASOFFKEE, FL

LOCATION.--Lat 28°49'01", long 82°08'40", in SE¼ sec.19, T.19 S., R.22 E., Sumter County, Hydrologic Unit 03100208, on west shore of lake, 0.8 mi (1.3 km) north of outlet, 4.6 mi (7.4 km) west of Coleman, and 5.1 mi (8.2 km) northwest of town of Lake Panasoffkee.

SURFACE AREA.--4,821 acres (7.53 mi², 19.50 km²).

DRAINAGE AREA.--420 mi² (1,090 km²), approximately.

PERIOD OF RECORD.--April 1955 to November 1962 (about weekly), December 1962 to current year. Records of elevations prior to October 1962 are available in files of the Geological Survey. Records for Outlet River at Panacoochee Retreats (station 02312700).

REVISED RECORDS.--WRD FL 1972: Drainage area, surface area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Dec. 18, 1962, nonrecording gage and Dec. 18, 1962, to Oct. 7, 1975, water-stage recorder at sites within 0.8 mi (1.3 km) south at same datum.

REMARKS.--Outflow from lake is through Outlet River to Withlacoochee River; lake level affected at times by the stage of Withlacoochee River. Prior to 1962, lake level partially controlled during low water by small rock dams and at times during 1962 to 1964 by a temporary sheet piling dam in Outlet River.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 44.28 ft (13.497 m) Apr. 5, 1960; minimum daily, 37.65 ft (11.476 m) May 12, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 40.91 ft (12.469 m) Sept. 30, occurred on rise preceding crest of Oct. 11, 1979; minimum daily, 38.83 ft (11.835 m) Oct. 11, 12.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.01	38.92	39.07	39.16	39.54	39.64	39.85	39.61	40.21	39.48	39.38	39.62
2	38.98	38.92	39.12	39.14	39.55	39.64	39.81	39.63	40.16	39.47	39.43	39.56
3	38.95	38.91	39.13	39.15	39.56	39.65	39.78	39.61	40.11	39.44	39.44	39.46
4	38.94	38.90	39.13	39.16	39.55	39.64	39.75	39.58	40.06	39.41	39.42	39.46
5	38.92	38.91	39.13	39.16	39.55	39.63	39.70	39.55	40.01	39.39	39.42	39.58
6	38.89	38.92	39.13	39.17	39.56	39.74	39.67	39.54	39.97	39.38	39.46	39.63
7	38.87	38.92	39.13	39.19	39.57	39.84	39.65	39.58	39.96	39.37	39.50	39.69
8	38.86	38.93	39.13	39.18	39.56	39.87	39.61	40.29	39.95	39.41	39.50	39.74
9	38.86	38.91	39.11	39.16	39.54	39.89	39.56	40.67	39.93	39.53	39.51	39.75
10	38.84	38.92	39.07	39.15	39.56	39.89	39.57	40.75	39.90	39.55	39.52	39.75
11	38.83	38.93	39.06	39.16	39.56	39.87	39.61	40.78	39.85	39.53	39.53	39.77
12	38.83	38.93	39.05	39.31	39.56	39.89	39.60	40.82	39.83	39.50	39.57	39.80
13	38.86	38.93	39.06	39.38	39.56	39.89	39.59	40.80	39.80	39.49	39.62	39.80
14	38.86	38.93	39.05	39.38	39.57	39.89	39.58	40.83	39.79	39.47	39.67	39.87
15	38.85	38.94	39.06	39.38	39.57	39.89	39.57	40.83	39.75	39.44	39.66	40.07
16	38.86	38.94	39.06	39.38	39.57	39.90	39.55	40.80	39.71	39.43	39.65	40.08
17	38.88	38.94	39.05	39.37	39.57	39.89	39.54	40.76	39.70	39.49	39.63	40.04
18	38.87	38.94	39.03	39.36	39.56	39.89	39.52	40.72	39.66	39.51	39.60	39.98
19	38.86	38.94	39.03	39.36	39.55	39.90	39.52	40.68	39.64	39.53	39.59	39.92
20	38.89	38.94	39.03	39.38	39.55	39.91	39.49	40.63	39.61	39.54	39.57	39.89
21	38.91	38.94	39.03	39.38	39.54	39.92	39.48	40.58	39.58	39.54	39.57	39.86
22	38.91	38.94	39.04	39.38	39.54	39.95	39.47	40.54	39.55	39.52	39.57	39.86
23	38.90	38.92	39.03	39.41	39.54	40.00	39.44	40.50	39.55	39.53	39.63	39.87
24	38.91	38.92	39.04	39.56	39.55	39.98	39.45	40.49	39.52	39.51	39.62	39.90
25	38.90	38.92	39.04	39.62	39.60	39.97	39.58	40.47	39.50	39.51	39.63	39.92
26	38.91	38.94	39.04	39.64	39.59	39.99	39.59	40.43	39.47	39.49	39.62	40.14
27	38.91	38.96	39.04	39.64	39.63	39.99	39.59	40.40	39.45	39.46	39.62	40.43
28	38.91	38.98	39.11	39.59	39.64	39.99	39.59	40.35	39.51	39.45	39.64	40.56
29	38.92	39.00	39.14	39.59	---	39.96	39.59	40.30	39.49	39.42	39.65	40.75
30	38.91	39.04	39.18	39.59	---	39.92	39.59	40.27	39.49	39.40	39.64	40.91
31	38.92	---	39.16	39.56	---	39.88	---	40.25	---	39.39	39.63	---
MEAN	38.89	38.94	39.08	39.36	39.56	39.87	39.60	40.36	39.76	39.47	39.56	39.92
MAX	39.01	39.04	39.18	39.64	39.64	40.00	39.85	40.83	40.21	39.55	39.67	40.91
MIN	38.83	38.90	39.03	39.14	39.54	39.63	39.44	39.54	39.45	39.37	39.38	39.46

CAL YR 1978 MEAN 39.91 MAX 41.42 MIN 38.83
WTR YR 1979 MEAN 39.53 MAX 40.91 MIN 38.83

WITHLACOOCHIEE RIVER BASIN

02312794 LITTLE LAKE AT FLORAL CITY, FL

LOCATION.--Lat 28°44'51", long 82°17'17", in NE¼ sec.15, T.20 S., R.20 E., Citrus County, Hydrologic Unit 03100208, on north shore of lake, on private dock, 0.6 mi (1.0 km) east of Floral City.

SURFACE AREA.--57.6 acres (0.09 mi², 0.23 km²).

DRAINAGE AREA.--1.40 mi² (3.63 km²).

PERIOD OF RECORD.--September 1975 to current year (twice-weekly).

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Outflow from lake is through a canal to Lake Tsala Apopka. Lake level is controlled by culvert with removable boards at State Highway 48; flow is occasionally reversed.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 42.16 ft (12.850 m) Sept. 28, 1979; minimum daily, 37.41 ft (11.403 m) Nov. 22, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 42.16 ft (12.850 m) Sept. 28; minimum daily, 39.12 ft (11.924 m) Dec. 26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	39.54	---	---	---	---	40.22	40.80	---	---	---
2	---	---	---	39.25	39.15	39.51	---	---	---	---	---	---
3	40.59	39.90	---	---	---	---	40.60	---	---	40.32	40.08	---
4	---	---	---	---	---	---	---	40.16	---	---	---	40.94
5	---	---	39.50	39.18	---	---	---	---	40.72	---	---	---
6	40.54	---	---	---	39.36	---	40.60	---	---	40.20	---	---
7	---	39.84	---	---	---	39.88	---	---	---	---	40.18	40.99
8	---	---	39.46	---	---	---	---	40.68	40.64	---	---	---
9	---	---	---	39.13	39.40	39.93	---	---	---	---	---	---
10	40.40	39.79	---	---	---	---	40.43	---	---	40.10	40.35	---
11	---	---	---	---	---	---	---	40.84	---	40.08	---	41.07
12	---	---	39.42	39.29	---	---	---	---	40.52	---	---	---
13	40.37	---	---	---	39.39	40.01	40.39	---	---	40.04	---	---
14	---	39.70	---	---	---	---	---	---	---	---	40.55	41.17
15	---	---	39.38	---	---	---	---	40.97	40.42	---	---	41.35
16	---	---	---	39.29	39.39	40.10	---	---	---	---	---	---
17	40.30	---	---	---	---	---	40.29	---	---	39.96	40.58	41.44
18	---	39.65	---	---	---	---	---	40.95	---	---	---	41.45
19	---	---	39.26	39.26	---	---	---	---	40.30	---	---	---
20	40.19	---	---	---	39.38	40.23	40.20	---	---	40.10	---	---
21	---	39.59	---	---	---	---	---	---	---	---	40.60	41.48
22	---	---	39.23	---	---	---	---	40.89	40.40	---	---	---
23	---	---	---	39.27	39.40	40.34	---	---	---	---	---	---
24	40.12	39.52	---	39.30	---	---	40.08	---	---	40.00	40.68	---
25	---	---	---	---	---	---	---	41.00	---	---	---	41.75
26	---	---	39.12	39.44	---	---	---	---	40.34	---	---	41.98
27	40.05	---	---	---	39.50	40.50	40.35	---	---	39.98	---	42.12
28	---	39.44	---	---	---	---	---	---	---	---	40.78	42.16
29	---	---	39.24	---	---	---	---	40.87	40.38	---	---	---
30	---	---	---	39.25	---	40.57	---	---	---	---	---	---
31	40.00	---	---	---	---	---	---	---	---	39.89	40.82	---

WITHLACOOCHEE RIVER BASIN

02312950 TSALA APOPKA LAKE AT HERNANDO, FL

LOCATION.--Lat 28°54'08", long 82°22'30", in SE¼ sec.23, T.18 S., R.19 E., Citrus County, Hydrologic Unit 03100208, on southwest shore of west bay near northwest end of lake, at west side of public dock at Hernando.

SURFACE AREA.--About 19,000 acres (30 mi², 80 km²).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1936 to April 1950 (monthly), incomplete, July 1957 to July 1958 (weekly), incomplete, August 1958 to current year. Records of elevations prior to October 1960 are available in files of the Geological Survey.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 19, 1957, at datum 36.60 ft (11.156 m) higher and July 19, 1957, to Jan. 12, 1971, at present datum, at three different sites in the immediate vicinity.

REMARKS.--Tsala Apopka Lake borders along the west bank of the Withlacoochee River and consists of many lakes and sloughs, some connected and some not.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 41.74 ft (12.722 m) Apr. 6, 1960; minimum daily, 30.92 ft (9.424 m) July 19, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 38.90 ft (11.857 m) Sept. 27; minimum daily, 36.74 ft (11.198 m) Dec. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.60	37.20	36.92	36.84	37.14	37.08	36.90	37.22	37.62	37.80	37.62	37.96
2	37.58	37.18	36.90	36.82	37.12	37.08	36.88	37.20	37.62	37.78	37.62	37.96
3	37.56	37.16	36.90	36.90	37.12	37.06	36.88	37.20	37.66	37.78	37.72	37.92
4	37.54	37.14	36.88	36.90	37.12	37.06	36.86	37.20	37.70	37.76	37.70	37.86
5	37.54	37.12	36.96	36.88	37.10	37.14	36.86	37.18	37.70	37.76	37.70	38.00
6	37.54	37.10	36.94	36.88	37.10	37.16	36.86	37.20	37.72	37.76	37.70	38.02
7	37.52	37.08	36.94	36.88	37.12	37.14	36.84	37.22	37.74	37.74	37.70	38.04
8	37.50	37.06	36.92	36.88	37.12	37.14	36.86	37.44	37.76	37.72	37.78	38.06
9	37.48	37.06	36.90	36.86	37.12	37.14	36.88	37.50	37.78	37.70	37.76	38.06
10	37.46	37.04	36.90	36.86	37.10	37.12	36.90	37.52	37.78	37.70	37.76	38.08
11	37.44	37.04	36.88	36.84	37.08	37.12	36.90	37.52	37.80	37.70	37.76	38.08
12	37.44	37.02	36.88	37.02	37.06	37.10	36.92	37.50	37.82	37.70	37.82	38.10
13	37.42	37.00	36.86	37.02	37.04	37.08	36.92	37.52	37.82	37.70	37.84	38.10
14	37.42	36.98	36.86	37.00	37.02	37.08	36.94	37.68	37.80	37.70	37.90	38.10
15	37.40	36.98	36.84	37.00	37.02	37.06	37.04	37.68	37.92	37.68	37.90	38.28
16	37.38	36.96	36.82	37.00	37.00	37.06	37.06	37.66	38.00	37.66	37.88	38.36
17	37.36	36.96	36.82	37.00	37.00	37.04	37.06	37.64	38.00	37.68	37.86	38.42
18	37.34	36.94	36.80	36.98	37.00	37.04	37.04	37.62	37.98	37.80	37.84	38.46
19	37.32	36.92	36.78	36.98	36.98	37.02	37.04	37.60	37.98	37.84	37.82	38.46
20	37.30	36.90	36.78	36.98	36.98	37.02	37.04	37.58	37.96	37.84	37.80	38.46
21	37.28	36.88	36.76	37.08	36.96	37.00	37.02	37.56	37.94	37.84	37.78	38.46
22	37.28	36.88	36.78	37.08	36.96	37.00	37.02	37.54	37.92	37.82	37.76	38.50
23	37.28	36.88	36.76	37.06	36.96	36.98	37.02	37.52	37.90	37.80	37.76	38.62
24	37.26	36.86	36.74	37.16	37.00	36.96	37.00	37.50	37.88	37.78	37.82	38.72
25	37.26	36.86	36.82	37.16	37.06	36.94	37.16	37.50	37.86	37.76	37.94	38.68
26	37.24	36.86	36.84	37.18	37.10	36.94	37.20	37.50	37.84	37.74	37.92	38.84
27	37.24	36.84	36.92	37.20	37.10	36.92	37.20	37.50	37.84	37.72	37.90	38.90
28	37.24	36.82	36.92	37.20	37.08	36.92	37.20	37.52	37.82	37.70	37.90	38.82
29	37.26	36.80	36.90	37.18	---	36.90	37.18	37.52	37.82	37.68	37.90	38.76
30	37.24	36.78	36.88	37.16	---	36.90	37.16	37.52	37.80	37.66	37.88	38.84
31	37.22	---	36.86	37.14	---	36.88	---	37.64	---	37.64	37.94	---
MEAN	37.39	36.98	36.86	37.00	37.06	37.03	36.99	37.47	37.83	37.74	37.81	38.33
MAX	37.60	37.20	36.96	37.20	37.14	37.16	37.20	37.68	38.00	37.84	37.94	38.90
MIN	37.22	36.78	36.74	36.82	36.96	36.88	36.84	37.18	37.62	37.64	37.62	37.86
CAL YR 1978	MEAN 37.78		MAX 38.80	MIN 36.74								
WTR YR 1979	MEAN 37.37		MAX 38.90	MIN 36.74								

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHEE RIVER BASIN

02313229 LAKE ROUSSEAU NEAR DUNNELLO, FL

LOCATION.--Lat 29°00'35", long 82°37'01", in SW¼ sec.8, T.17 S., R.17 E., Levy County, Hydrologic Unit 03100208, at west end of lake, at upstream side of control structure of Inglis Dam on Withlacoochee River, 9.8 mi (15.8 km) west of Dunnellon.

SURFACE AREA.--4,163 acres (6.50 mi², 16.85 km²).

DRAINAGE AREA.--2,020 mi² (5,230 km²), approximately.

PERIOD OF RECORD.--June 1964 to current year. Records for Withlacoochee River at Inglis Dam, near Dunnellon (station 02313230).

REVISED RECORDS.--WRD FL 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 20, 1971, at site in forebay of power house of the old Inglis Dam at same datum. July 20, 1971, to Aug. 23, 1972, at site in private boat basin on south shore of lake at same datum.

REMARKS.--Lake is formed by earthen dam and concrete control structure consisting of two spillway bays with vertical lift gates. Lake was created to produce electric power but is now used for recreation only. Since December 1969, outflow from lake through Inglis Dam (station 02313230), Cross-Florida Barge Canal (station 02313237), and Withlacoochee River Bypass Channel (station 02313250).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 28.01 ft (8.537 m) June 26, 1971; minimum daily, 21.70 ft (6.614 m) Oct. 11, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 27.68 ft (8.437 m) Jan. 12, May 14; minimum daily, 27.14 ft (8.272 m) Sept. 13.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.51	27.44	27.55	27.43	27.42	27.44	27.51	27.58	27.40	27.49	27.51	27.59
2	27.51	27.37	27.57	27.46	27.41	27.47	27.50	27.60	27.32	27.45	27.48	27.54
3	27.50	27.35	27.55	27.49	27.42	27.50	27.48	27.57	27.35	27.45	27.49	27.54
4	27.46	27.36	27.51	27.46	27.44	27.47	27.43	27.50	27.45	27.46	27.50	27.29
5	27.46	27.42	27.55	27.44	27.48	27.45	27.45	27.46	27.48	27.46	27.55	27.25
6	27.45	27.48	27.54	27.44	27.47	27.52	27.48	27.48	27.45	27.46	27.57	27.40
7	27.48	27.53	27.49	27.46	27.50	27.53	27.44	27.55	27.48	27.48	27.54	27.44
8	27.52	27.55	27.47	27.53	27.55	27.51	27.40	27.66	27.48	27.49	27.60	27.41
9	27.55	27.56	27.43	27.57	27.53	27.54	27.37	27.58	27.47	27.50	27.50	27.38
10	27.58	27.54	27.45	27.61	27.51	27.52	27.45	27.53	27.42	27.52	27.45	27.34
11	27.59	27.52	27.45	27.62	27.47	27.53	27.52	27.51	27.40	27.52	27.46	27.28
12	27.59	27.50	27.46	27.68	27.46	27.55	27.50	27.55	27.56	27.45	27.55	27.22
13	27.59	27.48	27.48	27.62	27.46	27.54	27.44	27.58	27.56	27.48	27.55	27.14
14	27.58	27.50	27.50	27.43	27.48	27.47	27.43	27.68	27.55	27.48	27.48	27.30
15	27.55	27.52	27.51	27.44	27.48	27.49	27.44	27.50	27.48	27.50	27.44	27.52
16	27.52	27.55	27.50	27.43	27.50	27.50	27.44	27.52	27.44	27.51	27.45	27.52
17	27.50	27.56	27.51	27.45	27.55	27.49	27.43	27.62	27.43	27.54	27.46	27.39
18	27.48	27.53	27.50	27.46	27.53	27.45	27.45	27.60	27.45	27.54	27.50	27.45
19	27.44	27.51	27.50	27.49	27.55	27.43	27.51	27.49	27.47	27.54	27.53	27.48
20	27.43	27.50	27.50	27.48	27.53	27.44	27.51	27.40	27.48	27.55	27.57	27.40
21	27.46	27.49	27.51	27.49	27.52	27.45	27.50	27.42	27.48	27.53	27.57	27.26
22	27.49	27.48	27.53	27.54	27.53	27.51	27.53	27.43	27.50	27.49	27.55	27.34
23	27.51	27.46	27.49	27.54	27.53	27.50	27.51	27.43	27.45	27.48	27.61	27.45
24	27.54	27.45	27.42	27.52	27.52	27.43	27.52	27.50	27.40	27.47	27.58	27.47
25	27.57	27.47	27.50	27.66	27.49	27.43	27.59	27.53	27.42	27.47	27.50	27.33
26	27.57	27.48	27.50	27.65	27.43	27.46	27.49	27.48	27.48	27.46	27.40	27.33
27	27.55	27.46	27.49	27.57	27.45	27.47	27.40	27.40	27.55	27.45	27.42	27.29
28	27.55	27.48	27.55	27.47	27.45	27.49	27.38	27.42	27.57	27.48	27.48	27.17
29	27.62	27.48	27.51	27.47	---	27.49	27.39	27.45	27.54	27.50	27.52	27.17
30	27.58	27.46	27.46	27.46	---	27.49	27.44	27.49	27.51	27.54	27.55	27.18
31	27.51	---	27.44	27.44	---	27.50	---	27.58	---	27.55	27.58	---
MEAN	27.52	27.48	27.50	27.51	27.49	27.49	27.46	27.52	27.47	27.49	27.51	27.36
MAX	27.62	27.56	27.57	27.68	27.55	27.55	27.59	27.68	27.57	27.55	27.61	27.59
MIN	27.43	27.35	27.42	27.43	27.41	27.43	27.37	27.40	27.32	27.45	27.40	27.14
CAL YR 1978	MEAN 27.47		MAX 27.69	MIN 26.38								
4TR YR 1979	MEAN 27.48		MAX 27.68	MIN 27.14								

SURFACE WATER QUALITY RECORDS

Daily Measurements and National Stream Quality Accounting Network Data

Daily parameters included in this section are:

Specific Conductance	Temperature
Dissolved Fluoride	Phosphorus, total

Other data in this section include analysis for:

Major Constituents	Nutrients
Trace Metals, Suspended	Trace Metal, Dissolved
Trace Metals, Total	Chemical Analysis of Bottom Sediment
Insecticides in Water	Herbicides and Industrial Compounds
Pesticides in Bottom Sediments	Radiochemical Data
Bacteriological and Miscellaneous Data	

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

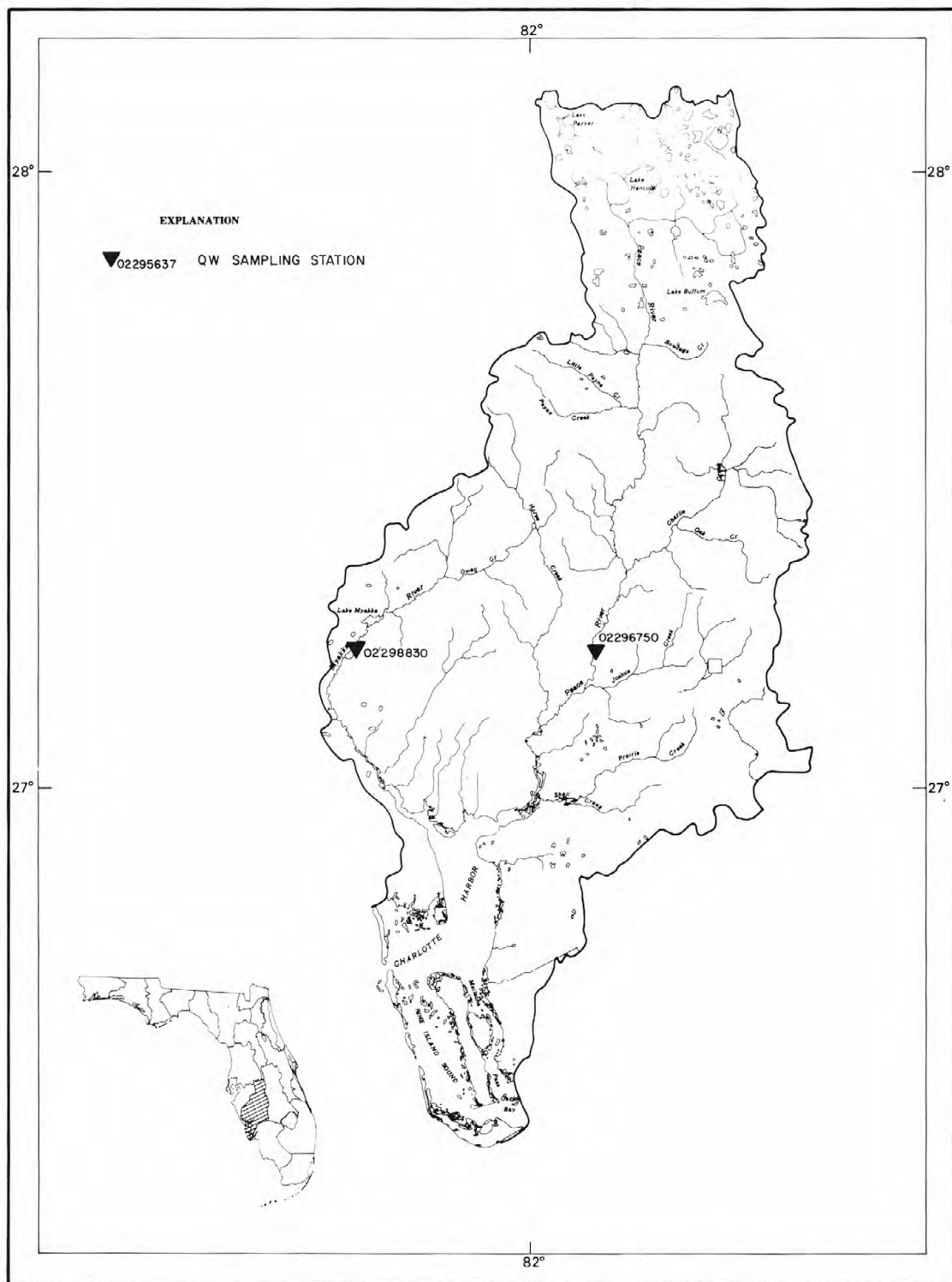


Figure 11. Location of water quality sampling sites in the Peace and Myakka River basins, Charlotte Harbor and coastal area.

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL

LOCATION.--Lat 27°13'19", long 81°52'34", in SE¼ sec.26, T.37 S., R.24 E., De Soto County, Hydrologic Unit 03100101, on left bank 500 ft (150 m) upstream from bridge on State Highway 70, 1.0 mi (1.6 km) west of post office in Arcadia, 6.1 mi (9.8 km) upstream from Joshua Creek, and 36 mi (58 km) upstream from mouth.

DRAINAGE AREA.--1,367 mi² (3,541 km²).

PERIOD OF RECORD.--October 1961 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1962 to current year, incomplete.

WATER TEMPERATURES: February 1962 to current year, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,750 micromhos Feb. 3, 1963; minimum daily, 45 micromhos Sept. 23, 1962.

pH (1962-70): Maximum daily, 8.3 units Mar. 31, 1968; minimum daily, 5.1 units Mar. 1, 1963.

WATER TEMPERATURES: Maximum daily, 35°C on several days during July and August, 1968; minimum daily, "freezing point," Jan. 10, 1970.

DISSOLVED SOLIDS (1961-67): Maximum daily, 335 mg/l May 11-20, 1967; minimum daily, 50 mg/l Aug. 21-25, 1963.

FLUORIDE (1963-70): Maximum daily, 3.9 mg/l Feb. 13, Apr. 4, 1966; minimum daily, 0.4 mg/l Aug. 9, 10, 1966, June 11, 1968.

TURBIDITY (1962-70): Maximum daily, 200 mg/l as Silica July 16, 1962; minimum daily, 0 mg/l as Silica on several days in October, 1965, August, 1966, many days during November, December, 1967 and September 1968.

PHOSPHATE (1963-70): Maximum daily, 29 mg/l May 27, 1967; minimum daily, 1.4 mg/l Mar. 14, 1967.

HARDNESS (1961-67): Maximum daily, 224 mg/l May 11-20, 27, 1967; minimum daily, 21 mg/l Sept. 20-28, 1962.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 503 micromhos Nov. 25; minimum daily, 130 micromhos Sept. 30.

WATER TEMPERATURES: Maximum daily, 32.0°C July 3, Aug. 3; minimum daily, 14°C Jan. 4, Feb. 2.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	431	471	407	262	353	370	455	295	352	284	---
2	315	438	470	414	261	349	390	450	298	332	294	---
3	321	439	449	409	---	354	390	440	---	357	302	169
4	351	460	464	376	287	352	---	445	---	328	299	179
5	340	455	---	377	288	355	---	430	315	339	298	150
6	357	---	453	377	295	299	405	430	315	282	296	155
7	397	469	449	390	308	304	---	429	320	277	272	165
8	393	---	461	393	316	253	---	355	312	296	271	189
9	393	430	---	---	325	246	---	355	337	224	271	193
10	408	430	465	403	---	244	436	270	326	251	---	190
11	406	434	466	402	342	243	450	230	343	---	---	160
12	363	---	461	360	340	242	---	---	336	---	239	170
13	355	---	464	---	341	242	---	239	325	---	241	165
14	355	---	460	261	348	263	445	245	320	---	233	---
15	355	---	475	263	349	246	445	245	319	222	246	160
16	---	472	475	262	354	---	445	240	---	220	265	155
17	359	455	475	260	351	276	460	265	300	229	247	150
18	370	445	466	257	362	301	460	265	300	241	---	154
19	---	456	460	267	360	302	450	265	308	238	224	155
20	400	465	---	267	365	302	455	269	309	241	226	160
21	395	502	454	272	369	322	455	268	302	260	207	157
22	400	501	457	---	375	316	454	275	312	257	297	161
23	400	---	460	288	357	348	460	275	285	256	180	160
24	397	---	445	287	367	349	445	280	286	251	263	155
25	430	503	445	214	371	352	449	275	350	234	---	---
26	430	500	451	215	321	354	465	275	359	250	218	155
27	425	481	430	216	328	355	445	270	358	---	218	155
28	428	489	430	226	326	362	455	285	347	278	219	152
29	432	481	420	247	---	365	460	287	---	278	217	---
30	430	488	420	238	---	---	460	---	349	286	219	130
31	435	---	415	244	---	398	---	265	---	289	215	---
TOTAL	11145	10224	12711	8592	8668	9097	10154	9077	8326	7068	6781	4044
MEAN	384	465	454	307	333	314	441	313	320	272	251	162
MAX	435	503	475	414	375	398	465	455	359	357	302	193
MIN	305	430	415	214	261	242	370	230	285	220	180	130
WTR YR 1979	TOTAL	105887	MEAN	333	MAX	503	MIN	130				

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	26.0	---	21.0	15.0	20.0	24.5	28.0	28.5	30.0	31.0	---
2	28.0	23.5	---	20.5	14.0	20.5	25.0	28.5	28.5	30.5	30.5	---
3	26.0	23.0	25.0	15.5	---	21.5	25.5	29.0	---	32.0	32.0	27.0
4	28.5	24.0	25.0	14.0	14.5	22.0	---	27.5	---	31.0	31.0	26.5
5	29.0	22.0	---	15.0	14.5	22.0	---	27.0	29.5	30.5	---	26.5
6	29.0	---	24.5	15.5	17.0	21.0	25.0	26.0	29.5	31.0	30.5	26.5
7	28.5	21.0	25.0	18.0	17.5	20.0	---	27.5	30.0	31.0	29.5	28.0
8	27.0	---	25.5	18.5	18.0	19.0	---	27.0	29.5	31.0	29.0	27.0
9	26.5	22.5	---	---	16.5	18.5	---	27.5	30.0	29.5	29.0	27.0
10	27.0	23.0	21.0	16.5	---	19.0	27.0	27.0	29.5	29.5	---	27.5
11	26.5	23.0	19.5	16.5	17.0	19.0	27.5	26.5	29.5	---	---	27.5
12	27.0	---	19.0	18.0	16.0	19.5	---	---	29.5	---	27.0	27.5
13	27.0	---	19.0	---	16.0	19.0	---	26.0	29.0	---	27.5	27.0
14	26.5	---	18.5	17.5	17.0	21.0	28.5	26.5	29.5	---	28.0	---
15	24.0	---	19.0	16.5	17.5	25.5	29.0	26.5	29.0	30.5	29.0	27.5
16	---	25.5	18.5	17.0	18.5	---	28.0	27.5	---	30.0	29.5	27.0
17	24.0	25.0	16.5	17.0	19.0	21.5	27.5	26.5	29.5	29.5	29.0	27.0
18	24.0	25.5	19.0	18.0	20.5	21.5	28.0	26.5	29.5	29.5	---	27.5
19	---	24.0	19.0	18.0	20.0	22.5	27.5	25.0	30.5	30.0	29.0	27.5
20	26.0	24.5	---	18.0	20.5	22.5	27.5	24.5	30.0	29.5	28.5	27.5
21	26.5	25.0	20.5	19.0	21.5	23.0	27.5	25.0	30.0	30.0	28.5	27.5
22	26.0	25.0	22.0	---	22.5	22.0	27.0	24.5	30.0	30.0	28.0	26.5
23	26.0	---	---	15.0	23.0	22.5	23.5	25.5	30.5	29.5	28.0	27.5
24	26.5	---	21.0	17.5	23.0	22.5	27.0	26.0	28.5	29.0	27.5	26.0
25	26.0	23.0	21.5	17.0	22.0	22.0	25.5	26.5	30.0	29.0	---	---
26	25.5	24.0	20.0	15.5	19.5	21.5	23.5	25.0	30.5	29.5	28.0	27.5
27	27.0	23.5	19.5	16.0	18.5	18.0	24.5	27.0	29.5	---	28.5	27.0
28	27.5	24.5	17.5	15.0	18.0	19.0	27.0	26.5	29.5	30.0	29.0	27.5
29	27.0	25.0	19.0	15.0	---	18.0	27.0	26.0	---	30.5	29.0	---
30	27.0	25.0	19.5	15.5	---	---	28.0	---	30.0	31.0	28.0	27.0
31	27.0	---	20.0	15.5	---	25.0	---	27.0	---	30.5	28.0	---
TOTAL	774.5	527.5	516.5	472.0	477.0	609.0	611.0	769.5	769.5	784.0	752.5	680.5
MEAN	26.5	24.0	20.5	17.0	18.5	21.0	26.5	26.5	29.5	30.0	29.0	27.0
MAX	29.0	26.0	25.5	21.0	23.0	25.5	29.0	29.0	30.5	32.0	32.0	28.0
MIN	24.0	21.0	17.5	14.0	14.0	18.0	23.5	24.5	28.5	29.0	27.0	26.5
WTR YR 1979 TOTAL	7743.5		MEAN	24.5	MAX	32.0	MIN	14.0				

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02296750 - PEACE RIVER AT ARCADIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT										
03...	2.82	442	335	7.1	26.0	--	6.0	5.8	--	--
31...	1.71	185	395	6.2	24.0	30	2.0	6.3	--	1.0
NOV										
28...	1.37	130	485	7.5	21.0	--	1.0	7.8	86	--
JAN										
03...	2.24	321	440	7.5	10.0	--	3.0	9.2	--	--
30...	5.42	1500	230	7.2	11.5	--	8.0	9.2	--	--
FEB										
05...	3.80	777	--	--	--	--	--	--	--	--
28...	3.30	614	322	7.4	16.0	--	5.0	9.2	--	--
APR										
03...	1.65	176	385	7.7	23.5	--	2.0	7.6	--	--
MAY										
02...	1.60	172	460	7.3	27.0	--	4.0	7.5	--	--
JUN										
05...	3.91	767	310	7.3	27.5	--	15	6.1	--	2.8
JUL										
02...	2.74	445	326	7.0	28.5	--	14	5.8	--	--
AUG										
01...	2.83	460	285	7.4	31.0	--	12	5.9	--	--
SEP										
04...	9.35	3389	165	6.4	27.0	--	4.0	5.4	--	--

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)
OCT										
03...	5000	60	54	120	72	30	12	13	18	.5
31...	E41000	E6200	K22	180	120	43	17	16	16	.5
NOV										
28...	K470	114	K14	230	170	55	22	17	14	.5
JAN										
03...	2200	70	K24	180	120	43	18	15	15	.5
30...	2300	94	110	90	62	21	9.2	14	24	.6
FEB										
05...	--	--	--	--	--	--	--	--	--	--
28...	2100	K180	98	120	84	30	12	14	19	.5
APR										
03...	280	K10	K8	--	--	--	--	--	--	--
MAY										
02...	K150	K17	K7	190	140	49	17	15	14	.5
JUN										
05...	K1100	220	K50	100	56	26	9.6	18	27	.8
JUL										
02...	2100	200	90	120	87	30	12	17	22	.7
AUG										
01...	370	K48	46	110	64	27	10	15	23	.6
SEP										
04...	2500	370	340	61	37	15	5.8	8.1	21	.5

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02296750 - PEACE RIVER AT ARCADIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINEITY (MG/L AS CACO3) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT										
03...	2.6	52	--	73	18	1.2	8.3	218	190	.30
31...	2.1	60	--	99	18	1.8	4.0	269	238	.37
NOV										
28...	2.0	62	--	140	22	1.9	4.1	307	301	.42
JAN										
03...	2.9	57	--	100	22	1.2	5.8	260	242	.35
30...	3.9	--	--	--	--	--	5.8	--	--	--
FEB										
05...	--	--	--	--	--	--	--	--	--	--
28...	2.8	40	--	74	23	.9	6.7	220	187	.30
APR										
03...	--	--	--	--	--	--	--	--	--	--
MAY										
02...	1.8	48	--	140	19	1.6	4.3	289	277	.39
JUN										
05...	3.2	48	4.7	54	19	1.1	4.2	206	164	.28
JUL										
02...	2.8	37	--	82	19	1.1	7.6	235	194	.32
AUG										
01...	2.8	45	3.5	59	20	1.3	8.4	207	171	.28
SEP										
04...	3.6	24	19	23	16	.4	8.2	166	95	.23
DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
03...	260	--	--	--	--	--	--	--	--	--
31...	134	.91	.87	3.9	.01	.01	.03	.92	.88	.04
NOV										
28...	108	.92	.92	4.1	.04	.04	.13	.96	.96	.09
JAN										
03...	225	1.0	.93	4.1	.07	.07	.23	1.0	1.0	.12
30...	--	.46	.46	2.0	.02	.02	.07	.48	.48	.02
FEB										
05...	--	--	--	--	--	--	--	--	--	--
28...	365	.82	.82	3.6	.02	.02	.07	.84	.84	.02
APR										
03...	--	2.0	1.9	8.4	.02	.02	.07	2.0	1.9	.07
MAY										
02...	134	.97	.97	4.3	.03	.03	.10	1.0	1.0	.06
JUN										
05...	427	.66	.65	2.9	.01	.02	.07	.67	.67	.01
JUL										
02...	282	.91	.96	4.2	.01	.01	.03	.92	.97	.04
AUG										
01...	257	.65	.64	2.8	.02	.02	.07	.67	.66	.01
SEP										
04...	1520	.25	.25	1.1	.02	.02	.07	.27	.27	.05

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
	(00608)	(71846)	(00605)	(00607)	(00625)	(00623)	(00600)	(71887)	(00665)	(00666)
OCT 03...	--	--	--	--	--	--	--	--	--	--
31...	.03	.04	.40	.37	.44	.40	1.3	6.0	3.3	3.2
NOV 28...	.03	.04	.39	.39	.48	.42	1.4	6.4	4.0	4.0
JAN 03...	.10	.13	.17	.17	.29	.27	1.3	6.0	3.2	3.0
30...	.02	.03	2.9	2.7	2.9	2.7	3.4	15	1.4	1.2
FEB 05...	--	--	--	--	--	--	--	--	--	--
28...	.02	.03	.90	.78	.92	.80	1.7	7.8	1.6	1.6
APR 03...	.03	.04	1.5	1.4	1.5	1.4	3.5	16	3.0	3.0
MAY 02...	.09	.12	.59	.68	.65	.77	1.6	7.3	3.2	3.2
JUN 05...	.01	.01	2.2	.85	2.2	.86	2.8	13	2.0	2.0
JUL 02...	.04	.05	1.3	.79	1.3	.83	2.2	10	3.0	2.8
AUG 01...	.02	.03	2.2	1.0	2.2	1.0	2.8	13	1.9	1.9
SEP 04...	.05	.06	1.8	1.6	1.8	1.6	2.1	9.4	.95	.88

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02296750 - PEACE RIVER AT ARCADIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG) (01076)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN) (01091)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS- SOLVED (UG/L U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L U-NAT) (80040)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)
OCT											
03...	1	1	0	--	20	10	10	<2.2	3.9	--	--
31...	--	--	--	1100	--	--	10	--	--	--	--
NOV											
28...	--	--	--	--	--	--	--	--	--	--	--
JAN											
03...	0	0	0	--	40	0	40	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
FEB											
05...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
JUN											
05...	--	--	--	--	--	--	--	<2.6	4.3	<1.8	2.9
JUL											
02...	0	0	0	--	30	20	10	--	--	--	--
AUG											
01...	--	--	--	--	--	--	--	--	--	--	--
SEP											
04...	--	--	--	--	--	--	--	--	--	--	--

DATE	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PCB, TOTAL (UG/L) (39516)
OCT											
03...	4.0	2.1	3.7	2.1	.21	.37	--	13	.9	--	--
31...	--	--	--	--	--	--	7.7	--	--	--	ND
NOV											
28...	--	--	--	--	--	--	--	--	--	--	--
JAN											
03...	--	--	--	--	--	--	--	12	--	1.34	--
30...	--	--	--	--	--	--	22	--	--	--	--
FEB											
05...	--	--	--	--	--	--	--	--	--	--	ND
28...	--	--	--	--	--	--	--	--	--	--	--
APR											
03...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	--	--	--	--	--	--	19	--	--	--	ND
JUN											
05...	4.4	1.9	4.1	2.1	.19	.60	20	--	--	--	--
JUL											
02...	--	--	--	--	--	--	--	15	2.9	2.20	--
AUG											
01...	--	--	--	--	--	--	27	--	--	--	--
SEP											
04...	--	--	--	--	--	--	33	--	--	--	--

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02296750 - PEACE RIVER AT ARCADIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- AZINON, TOTAL (UG/L) (39570)	DI- ELDRIN, TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)
OCT									
03...	--	--	--	--	--	--	--	--	--
31...	ND	ND	ND	ND	ND	ND	ND	ND	ND
NOV									
28...	--	--	--	--	--	--	--	--	--
JAN									
03...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
FEB									
05...	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY									
02...	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUN									
05...	--	--	--	--	--	--	--	--	--
JUL									
02...	--	--	--	--	--	--	--	--	--

DATE	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL TRI- THION, TOTAL (UG/L) (39790)	PARA- THION, TOTAL (UG/L) (39540)	TOX- APHENE, TOTAL (UG/L) (39400)
OCT									
03...	--	--	--	--	--	--	--	--	--
31...	ND	ND	ND	ND	ND	ND	ND	ND	ND
NOV									
28...	--	--	--	--	--	--	--	--	--
JAN									
03...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
FEB									
05...	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY									
02...	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUN									
05...	--	--	--	--	--	--	--	--	--
JUL									
02...	--	--	--	--	--	--	--	--	--

DATE	TOTAL TRI- THION (UG/L) (39786)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70958)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT								
03...	--	1100	--	--	--	--	34	41
31...	ND	--	--	--	--	--	3	1.5
NOV								
28...	--	200	--	--	--	--	3	1.1
JAN								
03...	--	--	--	.790	20.7	4.39	3	2.6
30...	--	160000	--	--	--	--	12	49
FEB								
05...	ND	--	--	--	--	--	--	--
MAY								
02...	ND	--	--	--	--	--	5	2.3
JUN								
05...	--	580000	--	--	--	--	32	66
JUL								
02...	--	36000	22.9	1.18	44.5	18.0	25	30

MYAKKA RIVER BASIN

02298830 MYAKKA RIVER NEAR SARASOTA, FL

LOCATION.--Lat 27°14'25", long 82°18'50", in SW¼ sec.21, T.37 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, on right bank, 0.5 mi (0.8 km) upstream from bridge on State Highway 72, 1.9 mi (3.1 km) upstream from Lower Myakka Lake, 14 mi (23 km) southeast of Sarasota, and 36 mi (58 km) upstream from mouth.

DRAINAGE AREA.--229 mi² (593 km²).

PERIOD OF RECORD.--October 1978 to September 1979.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1979, incomplete.

WATER TEMPERATURES: October 1978 to September 1979, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 377 micromhos Jan. 7, 1979; minimum daily, 78 micromhos Sept. 25, 1979.

WATER TEMPERATURES: Maximum daily, 33°C July 15, 1979; minimum daily, 10°C Jan. 4, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 377 micromhos Jan. 7; minimum daily, 78 micromhos Sept. 25.

WATER TEMPERATURES: Maximum daily 33°C July 15; minimum daily, 10°C Jan 4.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	189	260	347	139	206	215	255	304	288	144	100
2	---	194	261	361	132	207	220	255	304	286	146	98
3	---	200	250	334	127	220	210	259	305	296	140	98
4	---	197	252	324	124	224	220	260	309	282	136	111
5	---	195	250	330	122	226	220	263	311	290	139	100
6	---	207	248	360	124	228	220	264	312	287	138	106
7	---	208	253	377	139	228	225	260	314	286	137	107
8	---	200	252	364	146	221	225	260	314	276	136	108
9	---	197	267	352	137	215	225	260	312	264	136	110
10	---	199	260	357	149	221	225	260	310	259	134	109
11	---	201	271	349	154	209	250	260	311	230	137	109
12	---	207	270	327	152	205	230	255	316	223	136	111
13	128	208	275	292	153	216	230	260	307	223	138	113
14	130	209	278	298	161	220	230	260	308	205	139	112
15	137	213	285	255	161	210	230	260	304	199	133	104
16	138	215	287	177	153	204	230	260	302	188	134	109
17	143	218	294	134	160	204	230	265	296	189	131	106
18	153	219	309	169	164	201	230	260	285	195	127	96
19	150	218	305	158	168	200	235	280	---	178	121	91
20	154	221	310	144	172	200	250	335	303	157	116	86
21	165	234	319	136	177	200	245	320	312	154	116	91
22	167	242	326	138	178	200	249	305	310	146	114	84
23	157	238	331	153	184	201	250	301	340	160	108	90
24	160	236	321	166	177	201	250	300	294	160	103	79
25	157	249	320	142	183	206	250	292	303	151	107	78
26	170	263	322	155	182	209	250	305	297	147	106	82
27	181	274	321	152	188	209	254	300	301	147	104	86
28	175	275	310	145	205	210	250	301	301	141	104	88
29	180	274	312	172	---	211	250	305	301	144	105	89
30	182	275	310	132	---	215	255	305	294	142	104	92
31	178	---	321	122	---	217	---	305	---	144	103	---
TOTAL	3005	6675	8950	7422	4411	6544	7053	8630	8880	6437	3874	2943
MEAN	158	223	289	239	158	211	235	278	306	208	125	98
MAX	182	275	331	377	205	228	255	335	340	296	146	113
MIN	128	189	248	122	122	200	210	255	285	141	103	78
WTR YR 1979 TOTAL		74824		MEAN	213	MAX	377	MIN	78			

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

MYAKKA RIVER BASIN

02298830 MYAKKA RIVER NEAR SARASOTA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	23.0	23.0	19.0	13.0	18.0	21.5	24.5	27.5	29.0	32.0	28.0
2	---	22.5	23.0	20.5	11.0	19.0	22.0	24.0	27.5	29.0	31.0	28.5
3	---	---	23.0	15.5	13.0	20.0	22.5	24.0	28.0	31.0	32.0	28.0
4	---	19.0	23.5	10.0	15.0	21.0	23.0	25.0	28.5	32.0	30.0	26.0
5	---	18.5	24.0	12.0	15.5	21.0	24.0	24.5	28.0	30.0	30.0	27.5
6	---	19.0	22.5	15.0	15.5	21.5	24.0	25.0	28.5	32.0	30.0	29.0
7	---	20.5	23.0	16.0	18.5	19.0	23.0	25.0	29.0	32.0	29.0	29.0
8	---	21.5	23.5	18.5	17.0	16.5	23.0	25.0	29.0	32.0	27.5	28.0
9	---	21.5	24.0	15.0	16.0	18.0	22.5	26.0	29.0	31.0	28.0	29.0
10	---	22.0	22.0	11.0	13.0	18.5	24.0	26.0	28.0	32.0	28.0	28.0
11	---	22.5	19.0	14.5	13.5	20.5	24.0	26.0	25.5	30.0	28.0	28.0
12	---	22.0	18.0	17.0	14.0	17.0	24.0	26.0	28.0	32.0	27.0	28.0
13	25.0	21.0	17.0	18.0	15.0	18.0	24.0	26.0	27.5	32.0	28.0	28.0
14	25.0	22.5	16.0	16.0	15.5	20.0	24.0	26.0	27.0	31.0	29.0	28.0
15	22.5	22.5	16.5	15.0	16.5	20.0	24.5	26.0	27.5	33.0	30.0	28.0
16	20.5	23.0	17.0	15.0	16.5	19.5	23.5	25.5	28.0	31.0	30.0	27.5
17	20.0	23.0	18.0	16.5	17.5	19.5	23.0	25.0	28.0	29.5	30.5	28.0
18	21.0	23.0	17.0	17.0	19.0	19.5	22.5	24.5	28.5	28.0	30.5	28.0
19	21.0	23.0	17.0	18.0	18.5	20.0	22.5	24.5	---	28.0	29.5	28.0
20	22.5	23.0	17.5	19.0	18.5	20.0	23.0	24.5	29.0	29.0	29.0	28.0
21	23.0	23.0	19.0	19.5	18.5	21.0	23.0	25.0	29.5	27.5	29.5	28.0
22	23.5	22.5	20.0	16.5	20.0	21.5	23.0	26.0	29.0	28.0	29.0	27.5
23	24.0	22.5	20.0	15.0	22.0	22.0	23.5	28.0	28.5	28.0	28.0	28.0
24	24.0	22.5	21.0	15.5	23.0	21.0	23.5	27.5	29.0	29.0	27.0	28.0
25	23.5	22.5	21.0	14.5	23.5	20.0	22.5	27.5	29.5	28.0	27.5	28.0
26	24.0	21.0	19.0	15.0	18.5	18.5	22.5	25.0	30.0	29.0	29.0	28.0
27	24.5	22.5	17.5	16.0	16.0	18.0	23.5	24.5	30.0	30.0	29.5	28.0
28	25.0	22.0	17.0	15.5	16.0	19.0	23.5	25.0	28.5	---	29.0	27.5
29	25.5	22.5	17.0	13.0	---	20.0	23.5	26.5	28.5	32.0	29.5	27.5
30	25.0	23.0	18.0	13.0	---	20.5	23.0	28.0	28.5	32.0	30.0	27.0
31	25.0	---	18.5	16.0	---	21.5	---	28.0	---	32.0	29.0	---
TOTAL	444.5	637.0	612.5	488.0	469.5	609.5	696.0	794.0	823.0	909.0	906.0	838.0
MEAN	23.5	22.0	20.0	15.5	17.0	19.5	23.0	25.5	28.5	30.5	29.0	28.0
MAX	25.5	23.0	24.0	20.5	23.5	22.0	24.5	28.0	30.0	33.0	32.0	29.0
MIN	20.0	18.5	16.0	10.0	11.0	16.5	21.5	24.0	25.5	27.5	27.0	26.0
WTR YR 1979 TOTAL	8227.0		MEAN		23.5	MAX		33.0	MIN		10.0	

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02298830 - MYAKKA RIVER NR SARASOTA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SAMP- LING DEPTH (FT) (000003)	STREAM STAGE (FT) ABOVE DATUM (00065)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT										
03...	--	5.90	--	238	139	6.2	27.0	--	2.0	.4
31...	--	3.92	--	31	182	6.8	--	140	2.0	--
NOV										
08...	--	3.64	--	22	212	6.7	22.5	--	--	6.7
28...	1.0	--	35	--	180	7.2	22.4	--	--	7.0
28...	2.0	--	35	--	170	7.2	22.1	--	--	6.9
28...	3.0	--	35	--	170	7.2	21.9	--	--	6.7
28...	1.0	--	40	--	180	7.3	22.3	--	--	7.1
28...	2.0	--	40	--	170	7.3	21.9	--	--	6.8
28...	3.0	--	40	--	170	7.3	21.9	--	--	6.5
28...	1.0	--	45	--	180	7.3	22.5	--	--	7.1
28...	2.0	--	45	--	170	7.3	21.9	--	--	6.6
28...	4.0	--	45	--	170	7.3	21.9	--	--	6.6
28...	1.0	--	55	--	180	7.3	22.4	--	--	6.8
28...	2.0	--	55	--	170	7.3	22.0	--	--	6.4
28...	4.0	--	55	--	170	7.3	21.9	--	--	6.1
28...	1.0	--	61	--	180	7.3	22.6	--	--	6.8
28...	3.0	--	61	--	170	7.3	22.0	--	--	6.4
28...	5.0	--	61	--	170	7.3	21.8	--	--	6.0
28...	1.0	--	67	--	180	7.3	22.5	--	--	6.8
28...	3.0	--	67	--	170	7.3	22.0	--	--	6.4
28...	5.0	--	67	--	160	7.3	21.9	--	--	6.0
28...	1.0	--	73	--	180	7.3	22.8	--	--	6.9
28...	3.0	--	73	--	170	7.3	22.0	--	--	6.2
28...	5.0	--	73	--	160	7.3	21.9	--	--	6.0
28...	1.0	--	79	--	180	7.3	22.6	--	--	7.0
28...	3.0	--	79	--	170	7.3	21.8	--	--	6.0
28...	5.0	--	79	--	160	7.3	21.8	--	--	5.8
28...	1.0	--	83	--	180	7.3	22.4	--	--	6.8
28...	2.0	--	83	--	170	7.3	21.9	--	--	6.0
28...	4.0	--	83	--	160	7.3	21.9	--	--	6.0
28...	--	3.38	--	14	--	--	--	--	2.0	--
JAN										
03...	--	4.10	--	34	341	7.3	14.0	--	1.0	7.7
30...	--	7.09	--	705	140	6.8	13.5	--	2.0	7.0
MAR										
06...	--	5.72	--	191	230	6.3	21.0	--	2.0	3.0
APR										
03...	--	5.22	--	133	235	6.6	23.5	--	2.0	5.4
MAY										
02...	--	4.71	--	84	254	6.8	23.0	--	2.0	.0
DATE	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	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)	SODIUM PERCENT (00932)
OCT										
03...	--	3300	K18	K26	48	21	11	4.9	5.3	19
31...	1.9	2600	76	300	76	55	17	7.9	7.0	16
NOV										
28...	--	K200	K14	K30	110	82	25	11	9.4	16
JAN										
03...	--	2200	K36	K28	140	120	32	15	8.7	12
30...	--	710	K18	K38	46	34	10	5.1	6.3	22
MAR										
06...	--	K1500	K12	K22	85	59	19	9.1	8.6	18
APR										
03...	--	K130	<1	K4	75	52	18	7.2	10	22
MAY										
02...	--	K60	K3	K7	93	61	21	9.8	11	20

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02298830 - MYAKKA RIVER NR SARASOTA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT										
03...	.3	2.3	27	23	10	.2	4.8	118	78	.16
31...	.4	2.1	21	38	13	.2	4.0	158	103	.21
NOV										
28...	.4	2.0	26	75	16	.2	.8	200	155	.27
JAN										
03...	.3	2.6	25	100	17	.3	1.1	213	192	.29
30...	.4	2.7	12	24	14	.2	2.2	111	72	.15
MAR										
06...	.4	2.0	26	55	17	.2	1.3	161	128	.22
APR										
03...	.5	1.2	23	48	20	.2	.6	168	119	.23
MAY										
02...	.5	3.7	32	52	23	.2	2.0	184	142	.25

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
03...	75.8	.03	.02	.10	.02	.01	.03	.05	.03	.22
31...	13.2	.44	.43	1.9	.05	.05	.16	.49	.48	.06
NOV										
28...	7.56	.00	.00	.00	.02	.02	.07	.02	.02	.04
JAN										
03...	19.6	.02	.02	.10	.00	.00	.00	.02	.02	.03
30...	211	.02	.02	.10	.01	.01	.03	.03	.03	.01
MAR										
06...	83.0	.02	.01	.04	.01	.01	.03	.03	.02	.01
APR										
03...	60.3	.01	.01	.04	.01	.01	.03	.02	.02	.00
MAY										
02...	41.7	.00	.00	.00	.01	.01	.03	.01	.01	.06

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)
OCT										
03...	.22	.28	1.1	.92	1.3	1.1	1.4	6.1	.45	.38
31...	.04	.05	1.2	1.1	1.2	1.1	1.7	7.7	.37	.35
NOV										
28...	.02	.03	1.1	.88	1.1	.90	1.1	5.1	.24	.21
JAN										
03...	.02	.03	.90	.85	.93	.87	.95	4.2	.15	.13
30...	.01	.01	1.9	1.8	1.9	1.8	1.9	8.6	.26	.26
MAR										
06...	.01	.01	1.1	.83	1.1	.84	1.1	5.0	.25	.23
APR										
03...	.00	.00	1.0	.89	1.0	.89	1.0	4.5	.17	.16
MAY										
02...	.06	.08	.96	1.0	1.0	1.0	1.0	4.6	.55	.50

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02298830 - MYAKKA RIVER NR SARASOTA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ELEV. OF LAND SURFACE DATUM (FT. NGVD) (72000)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
JUN											
05...	7.92	4.54	70	320	6.7	28.5	1.0	.5	6	1.1	K600
26...	7.92	3.95	38	297	7.0	29.5	2.0	2.5	--	--	1000
28...	7.92	3.93	40	308	6.6	30.0	--	3.4	--	--	--
JUL											
26...	7.92	5.30	209	--	--	--	--	--	--	--	--
AUG											
01...	7.92	4.66	119	150	7.2	31.0	1.0	3.1	--	--	K170
30...	7.92	5.70	251	105	5.6	30.0	--	3.9	--	--	--
SEP											
05...	7.92	6.43	442	100	6.3	26.0	1.0	2.6	--	--	930

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)
JUN										
05...	K4	<2	120	83	28	12	9.7	15	.4	--
26...	250	62	120	89	27	13	11	16	.4	--
28...	--	--	--	--	--	--	--	--	--	--
JUL										
26...	--	--	--	--	--	--	--	--	--	--
AUG										
01...	K22	K24	54	34	12	5.9	7.1	21	.4	9.1
30...	--	--	--	--	--	--	--	--	--	--
SEP										
05...	50	100	36	21	8.1	3.9	5.5	24	.4	7.2

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
JUN										
05...	3.5	36	--	76	21	.3	1.5	244	174	.33
26...	3.2	32	--	77	20	.3	3.8	209	175	.28
28...	--	--	--	--	--	--	--	--	--	--
JUL										
26...	--	--	--	--	--	--	--	--	--	--
AUG										
01...	2.0	20	2.5	22	15	.2	7.8	130	84	.18
30...	--	--	--	--	--	--	--	--	--	--
SEP										
05...	1.7	15	15	13	10	.2	6.0	115	57	.16

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02298830 - MYAKKA RIVER NR SARASOTA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, N02+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 05...	46.1	.01	.01	.04	.03	.03	.10	.04	.04	.13
26...	21.4	.04	.04	.20	.01	.01	.03	.05	.05	.19
28...	--	--	--	--	--	--	--	--	--	--
JUL 26...	--	--	--	--	--	--	--	--	--	--
AUG 01...	41.8	.01	.01	.04	.02	.02	.07	.03	.03	.06
30...	--	--	--	--	--	--	--	--	--	--
SEP 05...	137	.01	.01	.04	.01	.01	.03	.02	.02	.02

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)
JUN 05...	.12	.15	1.0	.88	1.1	1.0	1.1	5.2	.57	.54
26...	.18	.23	1.2	.72	1.3	.90	1.4	6.4	.53	.47
28...	--	--	--	--	--	--	--	--	--	--
JUL 26...	--	--	--	--	--	--	--	--	--	--
AUG 01...	.06	.08	1.4	1.2	1.4	1.2	1.4	6.6	.52	.48
30...	--	--	--	--	--	--	--	--	--	--
SEP 05...	.02	.03	1.3	1.3	1.3	1.3	1.3	5.9	.29	.27

DATE	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)
OCT 03...	2.7	<.4	2.5	<.4	.22	.05	--	14	.9	4.01
31...	--	--	--	--	--	--	21	--	--	--
NOV 28...	--	--	--	--	--	--	16	--	--	--
JAN 03...	--	--	--	--	--	--	--	12	.4	.080
30...	--	--	--	--	--	--	19	--	--	--
MAR 06...	--	--	--	--	--	--	27	--	--	--
APR 03...	--	--	--	--	--	--	--	25	.2	.780
MAY 02...	--	--	--	--	--	--	23	--	--	--
JUN 05...	--	--	--	--	--	--	19	--	--	--
26...	--	--	--	--	--	--	--	17	1.1	--
AUG 01...	--	--	--	--	--	--	27	--	--	--
SEP 05...	--	--	--	--	--	--	26	--	--	--

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02298830 - MYAKKA RIVER NR SARASOTA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 03...	1	1	1	0	1	0	3	610	240	370	1
31...	--	--	--	--	--	--	6	340	140	200	2
NOV 28...	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	2	0	0	0	2	1	1	150	60	90	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
APR 03...	10	2	2	0	5	0	8	310	80	230	5
MAY 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	--	--	--	--	--	--	--	--	--	--	--
26...	10	0	0	0	5	3	2	240	90	150	2
AUG 01...	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	--	--	--	--	--	--	--	--	--	--	--

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	PHOSPHORUS, ORTHOPHOSPHATE DIS-SOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHOPHOSPHATE DIS-SOLVED (MG/L AS P04) (00660)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR) (01031)
OCT 03...	.42	.40	1.2	--	1	1	0	0	0	<10	<9
31...	.35	.33	1.0	110	1	--	--	--	--	--	--
NOV 28...	.20	.20	.61	--	--	--	--	--	--	--	--
JAN 03...	.11	.10	.31	--	1	1	0	0	0	10	8
30...	.26	.26	.80	--	--	--	--	--	--	--	--
MAR 06...	.25	.23	.71	--	--	--	--	--	--	--	--
APR 03...	.15	.15	.46	--	1	1	0	0	0	30	20
MAY 02...	.48	.46	1.4	--	--	--	--	--	--	--	--
JUN 05...	.54	.53	1.6	--	--	--	--	--	--	--	--
26...	.46	.45	1.4	--	1	1	0	0	10	<10	0
AUG 01...	.46	.45	1.4	--	--	--	--	--	--	--	--
SEP 05...	.27	.26	.80	--	--	--	--	--	--	--	--

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML) (60050)	PERI-PHYTON BIOMASS ASH WEIGHT (G/SQ M) (00572)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70958)	SEDIMENT, DISCHARGE, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT 03...	38000	1.60	1.53	.062	5	3.2
NOV 28...	18000	--	--	--	31	1.2
JAN 03...	--	.000	.050	.000	0	.00
30...	760	--	--	--	4	7.6
APR 03...	1100	.370	--	--	2	.72
JUN 05...	1400	--	--	--	6	1.1
26...	30000	--	--	--	2	.21

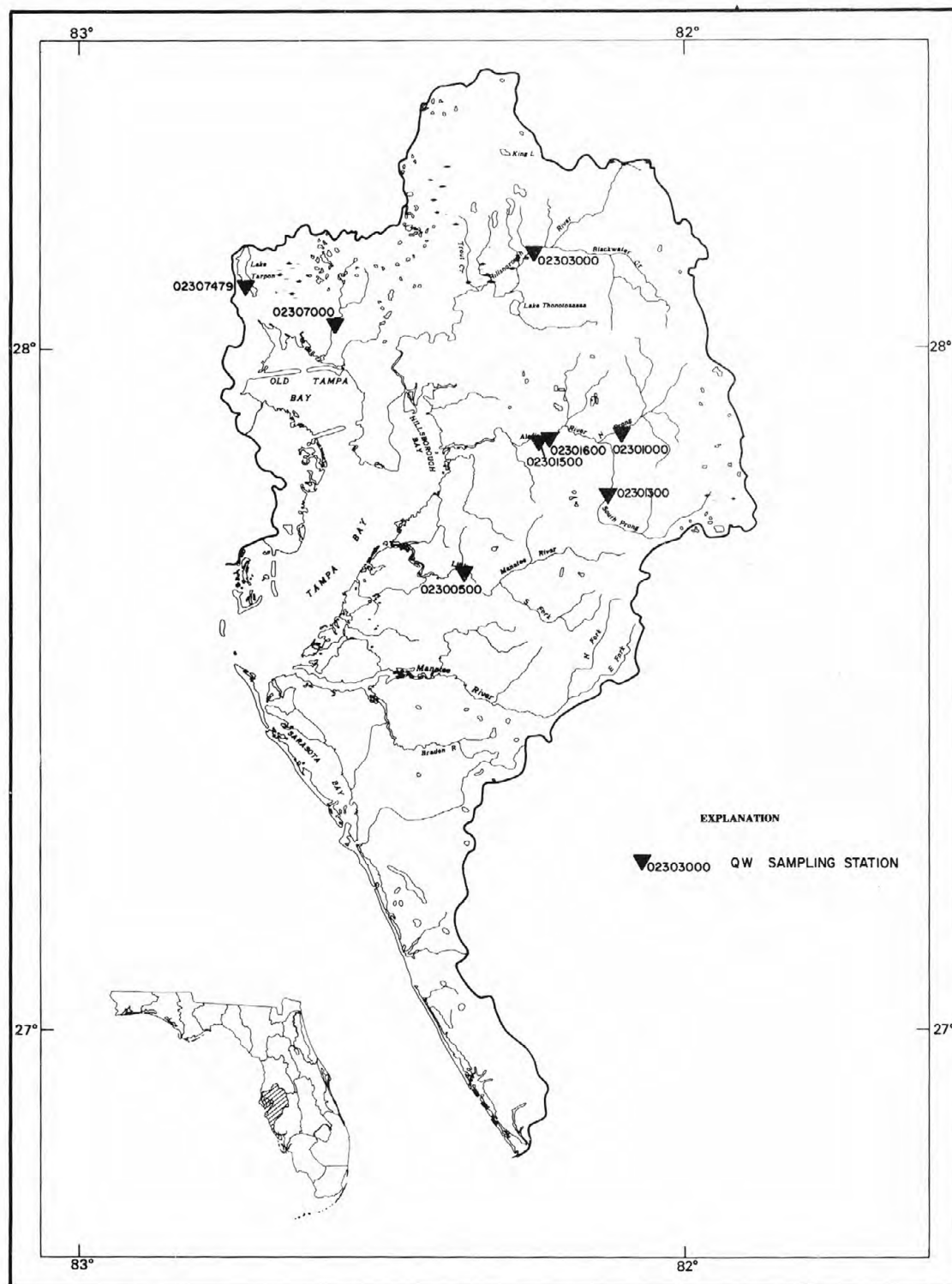


Figure 12. Location of water quality sampling sites in the Manatee, Little Manatee, Alafia and Hillsborough River basins, Tampa Bay, and coastal areas.

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

LITTLE MANATEE RIVER BASIN

02300500 LITTLE MANATEE RIVER NEAR WIMAUMA, FL

LOCATION.--Lat 27°40'15", long 82°21'10", in NE¼ sec.25, T.32 S., R.19 E., Hillsborough County, Hydrologic Unit 03100203, near center of span on downstream side of bridge on U.S. Highway 301, 1.6 mi (2.6 km) upstream from Cypress Creek, 4.2 mi (6.8 km) southwest of Wimauma, and 15 mi (24 km) upstream from mouth.

DRAINAGE AREA.--149 mi² (386 km²).

PERIOD OF RECORD.--October 1956 to current year.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---				---	---	131	---		
2	---	---	---				---	---	---	---		
3	---	---	---				---	---	---	---		
4	---	---	---				---	---	---	---		
5	---	---	---				---	342	---	183		
6	---	---	---				---	---	---	---		
7	---	---	---				---	---	---	---		
8	---	199	---				287	---	---	---		
9	---	---	---				---	345	159	---		
10	---	---	262				---	---	---	---		
11	---	---	---				---	---	---	---		
12	155	---	---				---	---	---	144		
13	---	---	---				---	---	---	---		
14	---	---	---				---	---	---	---		
15	---	---	---				374	---	---	---		
16	145	---	---				---	---	---	---		
17	---	---	263				---	---	152	137		
18	---	225	---				---	155	---	---		
19	---	---	---				---	---	---	---		
20	---	---	---				---	---	---	---		
21	---	---	---				---	---	---	---		
22	170	---	---				329	---	---	---		
23	---	218	---				---	---	---	---		
24	---	---	256				---	---	146	---		
25	---	---	---				---	---	---	---		
26	---	---	---				---	---	---	141		
27	174	---	---				---	---	---	---		
28	---	---	---				---	242	---	---		
29	---	---	---				309	---	---	---		
30	---	207	---				---	---	---	---		
31	---	---	176				---	---	---	142		
TOTAL	644	849	957				1299	1084	588	747		
MEAN	161	212	239				325	271	147	149		
MAX	174	225	263				374	345	159	183		
MIN	145	199	176				287	155	131	137		
WTR YR 1979 TOTAL		6168	MEAN	213	MAX	374	MIN	131				

LITTLE MANATEE RIVER BASIN

02300500 LITTLE MANATEE RIVER NEAR WIMAUMA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---				---	---	24.0	---		
2	---	---	---				---	---	---	---		
3	---	---	---				---	---	---	---		
4	---	---	---				---	---	---	---		
5	---	---	---				---	23.0	---	26.0		
6	---	---	---				---	---	---	---		
7	---	---	---				---	---	---	---		
8	---	20.0	---				19.0	---	---	---		
9	---	---	---				---	24.0	29.0	---		
10	---	---	18.0				---	---	---	---		
11	---	---	---				---	---	---	---		
12	18.0	---	---				---	---	---	24.0		
13	---	---	---				---	---	---	---		
14	---	---	---				---	---	---	---		
15	---	---	---				20.0	---	---	---		
16	19.0	---	---				---	---	---	---		
17	---	---	19.0				---	---	26.0	25.0		
18	---	20.0	---				---	22.0	---	---		
19	---	---	---				---	---	---	---		
20	---	---	---				---	---	---	---		
21	---	---	---				---	---	---	---		
22	19.0	---	---				22.0	---	---	---		
23	---	21.0	---				---	---	---	---		
24	---	---	17.0				---	---	25.0	---		
25	---	---	---				---	---	---	---		
26	---	---	---				---	---	---	25.0		
27	22.0	---	---				---	---	---	---		
28	---	---	---				---	23.0	---	---		
29	---	---	---				23.0	---	---	---		
30	---	22.0	---				---	---	---	---		
31	---	---	18.0				---	---	---	24.0		
TOTAL	78.0	83.0	72.0				84.0	92.0	104.0	124.0		
MEAN	19.5	21.0	18.0				21.0	23.0	26.0	25.0		
MAX	22.0	22.0	19.0				23.0	24.0	29.0	26.0		
MIN	18.0	20.0	17.0				19.0	22.0	24.0	24.0		
WTR YR 1979	TOTAL	637.0	MEAN	22.0	MAX	29.0	MIN	17.0				

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

LOCATION.--Lat 27°52'59", long 82°06'03", in SW¼ sec.10, T.30 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, near left bank 300 ft (90 m) below highway bridge, 0.6 mi (1.0 km) north of Keysville, 4.0 mi (6.4 km) upstream from confluence with South Prong Alafia River, and 29 mi (47 km) upstream from mouth of Alafia River at Hillsborough Bay.

DRAINAGE AREA.--135 mi² (350 km²), approximately.

PERIOD OF RECORD.--October 1965 to current year.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	306	---					---	---	---		
2	---	---	---					---	---	710		
3	---	---	---					---	655	---		
4	---	---	---					---	---	---		
5	---	---	---					---	---	---		
6	---	---	---					---	---	---		
7	660	303	---					---	---	---		
8	---	---	---					375	---	---		
9	---	---	---					---	---	---		
10	---	---	---					---	---	---		
11	---	---	---					---	---	---		
12	---	---	---					---	---	---		
13	---	---	665					---	---	---		
14	515	620	---					---	---	---		
15	---	---	---					---	329	705		
16	---	---	---					490	---	---		
17	---	---	---					---	---	---		
18	---	---	---					---	---	---		
19	---	---	---					---	---	---		
20	306	---	---					---	324	---		
21	---	---	660					475	---	475		
22	---	---	---					---	---	---		
23	---	---	---					---	---	---		
24	---	---	---					---	---	---		
25	---	---	---					---	---	---		
26	---	---	---					---	---	---		
27	---	---	700					---	---	---		
28	---	---	---					---	---	---		
29	---	610	---					---	---	---		
30	660	---	---					---	328	655		
31	---	---	---					620	---	---		
TOTAL	2141	1839	2025					1960	1636	2545		
MEAN	535	460	675					490	409	636		
MAX	660	620	700					620	655	710		
MIN	306	303	660					375	324	475		
WTR YR 1979	TOTAL	12146	MEAN	528	MAX	710	MIN	303				

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	22.0	---					---	---	---		
2	---	---	---					---		26.0		
3	---	---	---					---	23.0	---		
4	---	---	---					---	---	---		
5	---	---	---					---	---	---		
6	---	---	---					---	---	---		
7	25.5	22.0	---					---	---	---		
8	---	---	---					23.0	---	---		
9	---	---	---					---	---	---		
10	---	---	---					---	---	---		
11	---	---	---					---	---	---		
12	---	---	---					---	---	---		
13	---	---	14.0					---	---	---		
14	25.0	22.0	---					---	---	---		
15	---	---	---					---	25.0	25.0		
16	---	---	---					21.0	---	---		
17	---	---	---					---	---	---		
18	---	---	---					---	---	---		
19	---	---	---					---	---	---		
20	25.0	---	---					---	24.0	---		
21	---	---	14.0					20.0	---	25.0		
22	---	---	---					---	---	---		
23	---	---	---					---	---	---		
24	---	---	---					---	---	---		
25	---	---	---					---	---	---		
26	---	---	---					---	---	---		
27	---	---	14.5					---	---	---		
28	---	---	---					---	---	---		
29	---	22.0	---					---	---	---		
30	25.0	---	---					---	25.0	26.0		
31	---	---	---					20.0	---	---		
TOTAL	100.5	88.0	42.5					84.0	97.0	102.0		
MEAN	25.0	22.0	14.0					21.0	24.5	25.5		
MAX	25.5	22.0	14.5					23.0	25.0	26.0		
MIN	25.0	22.0	14.0					20.0	23.0	25.0		
WTR YR 1979	TOTAL	514.0	MEAN	22.5	MAX	26.0	MIN	14.0				

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

DISSOLVED FLUORIDE (F), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.4	---				4.4	---	---	---		
2	---	---	---				---	---	---	4.0		
3	---	---	---				---	---	5.0	---		
4	---	---	---				---	---	---	---		
5	---	---	---				---	---	---	---		
6	---	---	---				---	---	---	---		
7	4.8	1.4	---				---	---	---	---		
8	---	---	---				---	2.1	---	---		
9	---	---	---				---	---	---	---		
10	---	---	---				---	---	---	---		
11	---	---	---				---	---	---	---		
12	---	---	---				4.5	---	---	---		
13	---	---	5.2				---	---	---	---		
14	4.0	5.2	---				---	---	---	---		
15	---	---	---				---	---	2.8	5.0		
16	---	---	---				---	---	---	---		
17	---	---	---				---	---	---	---		
18	---	---	---				3.9	---	---	---		
19	---	---	---				---	---	---	---		
20	1.7	---	---				---	---	2.4	---		
21	---	---	5.2				---	---	---	3.6		
22	---	---	---				---	---	---	---		
23	---	---	---				---	---	---	---		
24	---	---	---				---	---	---	---		
25	---	---	---				---	1.3	---	---		
26	---	---	---				---	---	---	---		
27	---	---	4.8				---	---	---	---		
28	---	---	---				---	---	---	---		
29	---	5.2	---				---	---	---	---		
30	4.6	---	---				---	---	2.8	4.4		
31	---	---	---				---	---	---	---		
TOTAL	15.1	13.2	15.2				12.8	9.4	13.0	17.0		
MEAN	3.8	3.3	5.1				4.3	4.7	3.3	4.3		
MAX	4.8	5.2	5.2				4.5	8.1	5.0	5.0		
MIN	1.7	1.4	4.8				3.9	1.3	2.4	3.6		
WTR YR 1979	TOTAL	95.7	MEAN	4.0	MAX	8.1	MIN	1.3				

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

PHOSPHORUS, TOTAL, ORTHO AS P (MG/L), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.3	---				3.2	---	---	---		
2	---	---	---				---	---	---	10		
3	---	---	---				---	---	10	---		
4	---	---	---				---	---	---	---		
5	---	---	---				---	---	---	---		
6	---	---	---				---	---	---	---		
7	6.7	1.0	---				---	---	---	---		
8	---	---	---				---	3.1	---	---		
9	---	---	---				---	---	---	---		
10	---	---	---				---	---	---	---		
11	---	---	---				---	---	---	---		
12	---	---	---				---	---	---	---		
13	---	---	6.8				---	---	---	---		
14	5.5	7.2	---				---	---	---	---		
15	---	---	---				---	---	3.3	11		
16	---	---	---				---	13	---	---		
17	---	---	---				---	---	---	---		
18	---	---	---				1.4	---	---	---		
19	---	---	---				---	---	---	---		
20	1.6	---	---				---	---	3.1	---		
21	---	---	6.9				1.7	13	---	6.0		
22	---	---	---				---	---	---	---		
23	---	---	---				---	---	---	---		
24	---	---	---				---	---	---	---		
25	---	---	---				---	---	---	---		
26	---	---	---				---	---	---	---		
27	---	---	5.7				---	---	---	---		
28	---	---	---				---	---	---	---		
29	---	7.3	---				---	---	---	---		
30	6.7	---	---				7.8	---	3.3	6.9		
31	---	---	---				---	---	---	---		
TOTAL	20.5	16.8	19.4				14.1	29.1	19.7	33.9		
MEAN	5.1	4.2	6.5				3.5	9.7	4.9	8.5		
MAX	6.7	7.3	6.9				7.8	13	10	11		
MIN	1.6	1.0	5.7				1.4	3.1	3.1	6.0		
WTR YR 1979 TOTAL		153.5	MEAN	5.9	MAX	13		MIN	1.0			

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL 5 DAY (MG/L) (00310)
OCT 12...	2.48	8.2	540	7.7	24.0	7.0	7.2	--	--
23...	2.08	--	692	7.0	24.0	5.0	7.4	--	1.2
NOV 01...	2.06	62	662	7.3	24.0	--	7.9	--	--
29...	1.79	48	540	7.5	22.5	2.0	8.2	--	--
JAN 11...	3.14	129	--	--	--	--	--	--	--
FEB 08...	3.43	138	640	6.8	17.0	4.0	7.3	--	--
MAR 07...	8.54	647	--	--	--	--	--	--	--
APR 04...	2.15	66	660	7.3	24.0	3.0	7.4	--	--
MAY 21...	4.96	--	612	6.2	23.5	--	3.3	38	5.7
JUN 08...	3.82	164	635	6.1	28.0	4.0	3.7	46	--
AUG 07...	4.00	183	515	6.5	26.0	--	4.8	58	--

[illegible]

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible]

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

LOCATION.--Lat 27°47'47", long 82°07'04", in SW¼ sec.9, T.31 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, at left bank 12 ft (4 m) corrected, upstream from bridge on county road, 1.5 mi (2.4 km) upstream from Halls Branch, 5.0 mi (8.0 km) southeast of Lithia, and 7.6 mi (12.2 km) upstream from mouth.

DRAINAGE AREA.--107 mi² (277 km²).

PERIOD OF RECORD.--October 1965 to June 1972; January 1973 to current year.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---			620	---	---	---		
2	---	273	274	---			---	---	321	474		
3	---	---	---	---			---	---	---	---		
4	---	---	---	---			---	---	---	---		
5	515	---	---	---			---	---	---	---		
6	---	---	---	---			---	---	---	---		
7	---	---	---	---			---	---	---	---		
8	---	---	---	---			---	231	---	---		
9	---	---	---	---			---	---	---	---		
10	---	600	---	---			---	---	---	---		
11	---	---	---	---			742	---	---	---		
12	---	---	267	---			---	---	---	---		
13	---	---	---	---			---	---	---	---		
14	---	---	---	---			---	---	---	---		
15	---	---	---	---			---	---	---	---		
16	---	---	---	---			---	---	---	---		
17	---	---	---	---			---	---	---	---		
18	---	---	---	---			580	---	---	---		
19	---	---	---	---			---	---	---	---		
20	451	---	---	---			---	---	---	---		
21	---	---	264	---			---	---	---	457		
22	---	---	---	---			---	---	---	---		
23	---	---	---	---			---	---	---	---		
24	---	600	---	---			---	---	---	265		
25	---	---	---	---			---	520	620	---		
26	---	---	---	---			---	---	---	---		
27	---	---	---	---			---	---	---	---		
28	466	---	---	391			---	---	---	---		
29	---	---	---	---			---	---	---	---		
30	---	600	---	---			---	---	359	304		
31	---	---	580	---			---	620	---	---		
TOTAL	1432	2073	1385	391			1942	1371	1614	1500		
MEAN	477	518	346	391			647	457	404	375		
MAX	515	600	580	391			742	620	620	474		
MIN	451	273	264	391			580	231	314	265		
WTR YR 1979	TOTAL	11708	MEAN	450	MAX	742	MIN	231				

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---			---		---	---		
2	---	22.0	14.0	---			---		25.0	25.0		
3	---	---	---	---			---		---	---		
4	---	---	---	---			---		---	---		
5	25.0	---	---	---			---		---	---		
6	---	---	---	---			---		---	---		
7	---	---	---	---			---		---	---		
8	---	---	---	---			23.0		---	---		
9	---	---	---	---			---		---	---		
10	---	23.0	---	---			---		---	---		
11	---	---	---	---			---		---	---		
12	---	---	13.5	---			---		---	---		
13	---	---	---	---			---		---	---		
14	---	---	---	---			---		---	---		
15	---	---	---	---			---		---	---		
16	---	---	---	---			---		---	---		
17	---	---	---	---			---		25.0	---		
18	---	---	---	---			---		---	---		
19	---	---	---	---			---		---	---		
20	25.0	---	---	---			---		---	---		
21	---	---	13.5	---			---		---	25.0		
22	---	---	---	---			---		---	---		
23	---	---	---	---			---		---	---		
24	---	23.0	---	---			---		---	25.0		
25	---	---	---	---			21.5		26.0	---		
26	---	---	---	---			---		---	---		
27	---	---	---	---			---		---	---		
28	24.5	---	---	24.0			---		---	---		
29	---	---	---	---			---		---	---		
30	---	23.0	---	---			---		25.0	26.0		
31	---	---	13.0	---			---		---	---		
TOTAL	74.5	91.0	54.0	24.0			44.5		101.0	101.0		
MEAN	25.0	23.0	13.5	24.0			22.5		25.5	25.5		
MAX	25.0	23.0	14.0	24.0			23.0		26.0	26.0		
MIN	24.5	22.0	13.0	24.0			21.5		25.0	25.0		
WTR YR 1979 TOTAL		490.0		MEAN	22.5	MAX	26.0	MIN	13.0			

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

DISSOLVED FLUORIDE (F), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---				4.2	---	---	---		---
2	---	1.3	1.3				---	---	2.8	3.5		---
3	---	---	---				---	---	---	---		---
4	---	---	---				---	---	---	---		---
5	3.5	---	---				---	---	---	---		---
6	---	---	---				---	---	---	---		---
7	---	---	---				---	---	---	---		---
8	---	---	---				---	3.2	---	---		---
9	---	---	---				---	---	---	---		---
10	---	4.4	---				---	---	---	---		---
11	---	---	---				---	---	---	---		---
12	---	---	1.1				---	---	---	---		---
13	---	---	---				---	---	---	---		---
14	---	---	---				---	---	---	---		---
15	---	---	---				---	---	---	---		---
16	---	---	---				---	5.9	---	---		---
17	---	---	---				---	---	2.8	---		---
18	---	---	---				3.0	---	---	---		---
19	---	---	---				---	---	---	---		---
20	5.7	---	---				---	---	---	---		---
21	---	---	1.1				1.3	5.3	---	3.6		---
22	---	---	---				---	---	---	---		---
23	---	---	---				---	---	---	---		---
24	---	4.6	---				---	---	---	1.9		---
25	---	---	---				---	---	5.0	---		---
26	---	---	---				---	---	---	---		---
27	---	---	---				---	---	---	---		---
28	3.8	---	---				---	---	---	---		---
29	---	---	---				---	---	---	---		---
30	---	4.6	---				5.9	---	2.8	---		1.9
31	---	---	4.5				---	---	---	---		---
TOTAL	13.0	14.9	8.0				14.4	14.4	13.4	9.1		1.9
MEAN	4.3	3.7	2.0				3.6	4.8	3.4	3.0		1.9
MAX	5.7	4.6	4.5				5.9	5.9	5.0	3.6		1.9
MIN	3.5	1.3	1.1				1.3	3.2	2.8	1.9		1.9
WTR YR 1979	TOTAL	89.1	MEAN	3.4	MAX	5.9	MIN	1.1				

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

PHOSPHORUS, TOTAL, ORTHO AS P (MG/L), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---				4.8	---	---	---		
2	---	1.3	1.3				---	---	4.4	6.0		
3	---	---	---				---	---	---	---		
4	---	---	---				---	---	---	---		
5	5.0	---	---				---	---	---	---		
6	---	---	---				---	---	---	---		
7	---	---	---				---	---	---	---		
8	---	---	---				---	19	---	---		
9	---	---	---				---	---	---	---		
10	---	7.0	---				---	---	---	---		
11	---	---	---				---	---	---	---		
12	---	---	.96				5.8	---	---	---		
13	---	---	---				---	---	---	---		
14	---	---	---				---	---	---	---		
15	---	---	---				---	---	---	---		
16	---	---	---				---	---	---	---		
17	---	---	---				---	---	3.2	---		
18	---	---	---				5.4	---	---	---		
19	---	---	---				---	---	---	---		
20	4.0	---	---				---	---	---	---		
21	---	---	.88				---	---	---	6.0		
22	---	---	---				---	---	---	---		
23	---	---	---				---	---	---	---		
24	---	6.6	---				---	---	---	2.0		
25	---	---	---				---	1.2	10	---		
26	---	---	---				---	---	---	---		
27	---	---	---				---	---	---	---		
28	3.8	---	---				---	---	---	---		
29	---	---	---				---	---	---	---		
30	---	6.7	---				---	---	2.9	2.6		
31	---	---	4.4				---	---	---	---		
TOTAL	12.8	21.6	7.54				16.0	20.2	20.5	16.6		
MEAN	4.3	5.4	1.9				5.3	10	5.1	4.2		
MAX	5.0	7.0	4.4				5.8	19	10	6.0		
MIN	3.8	1.3	.88				4.8	1.2	2.9	2.0		
WTR YR 1979	TOTAL	115.24	MEAN	4.8	MAX	19	MIN	.88				

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT										
12...	--	--	--	--	--	1.6	--	--	--	--
26...	0	39	1.9	81	14	1.6	4.1	199	184	.27
NOV										
28...	--	--	--	--	--	.2	--	--	--	--
FEB										
07...	--	--	--	--	--	2.1	--	--	--	--
MAR										
08...	--	--	--	--	--	--	--	--	--	--
APR										
05...	--	--	--	--	--	2.4	--	--	--	--
MAY										
21...	--	--	--	--	--	--	--	--	--	--
JUN										
05...	--	--	--	--	--	3.0	--	--	--	--
AUG										
01...	--	--	--	--	--	2.9	--	--	--	--

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
12...	.35	.01	.36	.04	.54	.58	.94	4.2	1.5
26...	--	--	--	--	--	--	--	--	--
NOV									
28...	.46	.04	.50	.03	.31	.34	.84	3.7	1.1
FEB									
07...	.16	.01	.17	.03	.67	.70	.87	3.9	2.3
MAR									
08...	--	--	--	--	--	--	--	--	--
APR									
05...	.03	.00	.03	.01	--	--	--	--	.17
MAY									
21...	--	--	--	--	--	--	--	--	--
JUN									
05...	.04	.01	.05	.01	.81	.82	.87	3.9	3.5
AUG									
01...	.11	.01	.12	.02	.61	.63	.75	3.3	2.6

ALAFIA RIVER BASIN

02301500 ALAFIA RIVER AT LITHIA, FL

LOCATION.--Lat 27°52'19", long 82°12'41", in NE¼ sec.16, T.30 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, near center of span on downstream side of bridge on State Highway 640, 2.0 mi (3.2 km) upstream from Little Fishhawk Creek, 4.3 mi (6.9 km) west of Lithia, and 16 mi (26 km) upstream from mouth.

DRAINAGE AREA.--335 mi² (868 km²), approximately.

PERIOD OF RECORD.--November 1956 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to current year, incomplete.

WATER TEMPERATURES: October 1963 to current year, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,490 micromhos Sept. 27, 29, 30, 1970; minimum daily, 110 micromhos June 23, 1976, May 27, 1979.

pH (1964-69): Maximum daily, 7.2 units June 1, 1965; minimum daily, 4.3 units Apr. 2, 4, 6, 1966.

WATER TEMPERATURES: Maximum daily, 31°C June 13, 1964, June 28, 1977; minimum daily, 6°C Jan. 10, 1970.

DISSOLVED SOLIDS (1957-58): Maximum daily, 659 mg/l June 11-22, 1958; minimum daily, 134 mg/l Oct. 1-10, 1957.

FLUORIDE (1964-69): Maximum daily, 30 mg/l Aug. 16, 1965; minimum daily, 2.3 mg/l Sept. 3, 1969.

TURBIDITY (1964-69): Maximum daily, 108 mg/l as Silica June 23, 1967; minimum daily, 0 mg/l as Silica June 7, 1967.

PHOSPHATE (1964-69): Maximum daily, 306 mg/l Apr. 27, 1967; minimum daily, 13 mg/l Feb. 5, 1965.

HARDNESS (1957-58): Maximum daily, 370 mg/l June 11-22, 1958; minimum daily, 66 mg/l Oct. 1-10, 1957.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 600 micromhos Jan. 16; minimum daily, 110 micromhos May 27.

WATER TEMPERATURES: Maximum daily, 29°C July 5, 11, 20, 31, Aug. 8, 21; minimum daily, 16°C Feb. 8, 9, 25, 26, 27.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	510	520	550	458	459	440	580	520	267	---	322
2	430	540	432	550	481	457	580	540	560	265	---	440
3	430	510	505	540	401	540	460	539	398	343	343	433
4	420	505	515	481	487	435	520	580	434	272	---	302
5	425	540	550	459	404	469	520	500	230	472	284	204
6	435	510	525	545	387	455	520	540	549	375	392	236
7	425	505	541	550	312	491	520	564	464	412	372	310
8	427	500	560	---	403	487	560	297	430	326	550	368
9	493	480	565	---	374	461	521	270	434	374	344	353
10	500	---	565	---	467	463	580	300	473	324	---	292
11	490	510	433	---	395	437	580	420	434	432	---	309
12	423	540	500	---	420	560	415	355	473	308	466	198
13	425	496	510	---	551	345	419	320	462	---	560	195
14	425	525	500	530	452	459	580	375	530	---	392	---
15	535	491	560	304	452	560	---	300	555	---	304	---
16	515	505	440	600	461	418	---	320	309	296	195	---
17	500	489	485	481	462	530	---	---	487	397	304	216
18	500	515	442	440	343	550	---	410	394	362	560	342
19	500	495	515	438	452	545	---	365	540	257	321	182
20	520	493	525	487	392	391	---	420	487	297	221	200
21	540	---	551	448	393	400	---	440	499	351	191	190
22	540	---	520	298	452	452	---	321	491	303	212	162
23	540	---	456	414	550	458	580	270	469	476	390	210
24	425	---	560	467	545	436	521	316	458	342	276	222
25	520	492	510	448	486	482	580	470	353	271	332	116
26	540	493	500	394	540	458	540	225	341	411	335	122
27	440	505	510	484	441	458	520	110	406	405	320	157
28	540	493	440	463	460	457	460	300	264	348	312	185
29	429	510	490	423	---	372	580	450	301	397	318	176
30	535	520	485	453	---	458	460	450	362	555	224	219
31	500	---	505	---	---	234	---	405	---	235	303	---
TOTAL	14693	12672	15715	11247	12421	14177	11456	11732	13107	9878	8821	6661
MEAN	474	507	507	469	444	457	521	391	437	353	339	247
MAX	540	540	565	600	551	560	580	580	560	555	560	440
MIN	326	480	432	298	312	234	415	110	230	235	191	116
WTR YR 1979	TOTAL	142580	MEAN	428	MAX	600	MIN	110				

ALAFIA RIVER BASIN

02301500 ALAFIA RIVER AT LITHIA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	25.0	22.0	18.0	17.0	18.0	22.0	26.0	27.0	28.0	---	28.0
2	25.0	24.0	22.0	18.0	17.0	18.0	22.0	26.0	27.0	28.0	---	28.0
3	25.0	24.0	22.0	18.0	17.0	18.0	23.0	26.0	27.0	28.0	28.0	28.0
4	25.0	24.0	22.0	17.0	17.0	18.0	23.0	26.0	27.0	28.0	28.0	28.0
5	25.0	24.0	22.0	17.0	17.0	18.0	23.0	26.0	27.0	29.0	28.0	28.0
6	25.0	24.0	23.0	18.0	17.0	18.0	23.0	26.0	27.0	28.0	28.0	28.0
7	25.0	24.0	23.0	18.0	17.0	18.0	23.0	26.0	27.0	28.0	---	28.0
8	25.0	24.0	23.0	---	16.0	18.0	23.0	26.0	27.0	28.0	29.0	28.0
9	25.0	25.0	23.0	---	16.0	18.0	23.0	26.0	27.0	28.0	28.0	28.0
10	26.0	---	23.0	---	17.0	18.0	23.0	26.0	28.0	28.0	---	28.0
11	26.0	25.0	20.0	---	17.0	19.0	24.0	26.0	27.0	29.0	---	28.0
12	25.0	24.0	20.0	---	17.0	18.0	24.0	26.0	28.0	28.0	28.0	28.0
13	25.0	23.0	20.0	---	17.0	18.0	24.0	26.0	27.0	---	28.0	28.0
14	25.0	23.0	20.0	18.0	17.0	19.0	24.0	26.0	27.0	---	28.0	---
15	25.0	22.0	20.0	18.0	17.0	19.0	---	26.0	27.0	---	28.0	---
16	25.0	22.0	19.0	---	17.0	20.0	---	27.0	27.0	28.0	28.0	---
17	25.0	22.0	19.0	18.0	17.0	20.0	---	---	27.0	28.0	28.0	27.0
18	25.0	23.0	19.0	18.0	17.0	20.0	---	26.0	28.0	28.0	28.0	28.0
19	25.0	22.0	19.0	18.0	17.0	20.0	---	26.0	28.0	28.0	28.0	28.0
20	25.0	22.0	19.0	18.0	17.0	20.0	---	26.0	28.0	29.0	28.0	28.0
21	24.0	---	19.0	17.0	17.0	20.0	---	26.0	28.0	28.0	29.0	28.0
22	25.0	---	19.0	17.0	17.0	21.0	---	26.0	28.0	28.0	28.0	28.0
23	25.0	---	18.0	17.0	17.0	21.0	24.0	27.0	27.0	28.0	28.0	28.0
24	25.0	---	18.0	17.0	17.0	21.0	24.0	26.0	28.0	28.0	28.0	28.0
25	25.0	22.0	18.0	17.0	16.0	21.0	24.0	26.0	28.0	28.0	28.0	28.0
26	26.0	22.0	18.0	17.0	16.0	21.0	24.0	26.0	28.0	28.0	28.0	28.0
27	25.0	22.0	18.0	17.0	16.0	21.0	24.0	26.0	28.0	28.0	28.0	27.0
28	25.0	22.0	18.0	17.0	17.0	21.0	24.0	26.0	28.0	28.0	26.0	28.0
29	25.0	22.0	18.0	17.0	---	21.0	24.0	26.0	28.0	28.0	28.0	28.0
30	25.0	22.0	18.0	17.0	---	21.0	24.0	26.0	28.0	28.0	28.0	28.0
31	25.0	---	18.0	---	---	21.0	---	26.0	---	29.0	28.0	---
TOTAL	777.0	578.0	620.0	402.0	471.0	603.0	516.0	782.0	824.0	788.0	724.0	754.0
MEAN	25.0	23.0	20.0	17.5	17.0	19.5	23.5	26.0	27.5	28.0	28.0	28.0
MAX	26.0	25.0	23.0	18.0	17.0	21.0	24.0	27.0	28.0	29.0	29.0	28.0
MIN	24.0	22.0	18.0	17.0	16.0	18.0	22.0	26.0	27.0	28.0	26.0	27.0
WTR YR 1979 TOTAL	7843.0		MEAN		23.5	MAX		29.0	MIN		16.0	

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02301500 - ALAFIA RIVER AT LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)
OCT										
03...	3.17	114	440	7.5	27.5	--	2.0	7.5	--	3200
13...	3.38	143	440	7.7	24.0	--	--	8.0	--	--
31...	2.98	91	565	7.6	25.5	35	2.0	7.9	.8	2200
NOV										
27...	2.98	91	520	8.0	20.5	--	--	9.3	--	290
28...	2.90	82	--	--	--	--	1.0	--	--	K400
JAN										
03...	5.49	387	290	7.1	15.0	--	9.0	8.3	--	K8500
30...	5.22	348	460	6.8	14.0	--	4.0	9.8	--	260
FEB										
06...	4.25	222	520	7.0	14.5	--	--	10.4	--	--
MAR										
06...	7.42	686	268	6.8	18.5	--	3.0	7.3	--	K110000
08...	9.37	1047	--	--	--	--	--	--	--	--
APR										
02...	3.43	132	525	7.4	23.0	--	--	8.9	--	--
03...	3.46	136	540	7.6	23.5	--	2.0	8.1	--	280
MAY										
02...	3.35	124	542	7.3	24.5	--	2.0	8.5	--	600
JUN										
05...	6.45	510	420	6.6	27.0	--	3.0	5.4	.9	K1400
26...	4.12	200	541	7.0	27.5	--	2.0	6.8	--	900
AUG										
01...	4.48	242	540	7.1	28.0	--	2.0	6.4	--	K600
SEP										
05...	10.04	1197	260	6.6	25.5	--	4.0	5.8	--	1600

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)
OCT										
03...	K38	K38	140	79	37	11	27	29	1.0	--
13...	--	--	--	--	--	--	--	--	--	--
31...	K28	K24	190	130	50	15	39	31	1.2	--
NOV										
27...	K24	62	--	--	--	--	--	--	--	--
28...	K22	K12	170	110	48	13	37	31	1.2	--
JAN										
03...	E2100	840	130	98	35	10	22	27	.8	--
30...	K38	K12	170	130	43	14	28	27	.9	--
FEB										
06...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	E27000	E17000	85	56	22	7.2	16	28	.8	--
08...	--	--	--	--	--	--	--	--	--	--
APR										
02...	--	--	--	--	--	--	--	--	--	--
03...	K10	K8	180	120	46	15	31	27	1.0	--
MAY										
02...	K40	K27	180	130	47	14	38	32	1.3	--
JUN										
05...	K20	K28	140	120	38	12	29	30	1.1	--
26...	110	63	170	140	46	14	45	36	1.5	--
AUG										
01...	54	130	170	130	47	13	39	33	1.3	41
SEP										
05...	340	177	100	86	28	8.1	19	28	.8	22

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02301500 - ALAFIA RIVER AT LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED PER AC-FT) (70303)
OCT										
03...	2.2	59	--	87	29	2.8	14	273	245	.37
13...	--	--	--	--	--	--	--	--	--	--
31...	3.0	53	--	130	37	3.4	14	356	324	.48
NOV										
27...	--	--	--	--	--	--	--	--	--	--
28...	1.7	66	--	130	32	3.1	13	350	317	.48
JAN										
03...	3.1	31	--	91	29	2.1	9.9	245	221	.33
30...	2.7	32	--	130	30	2.5	7.8	307	277	.42
FEB										
06...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	3.5	29	--	55	21	1.0	5.4	183	149	.25
08...	--	--	--	--	--	--	--	--	--	--
APR										
02...	--	--	--	--	--	--	--	--	--	--
03...	1.1	57	--	150	29	1.9	8.0	330	316	.45
MAY										
02...	2.0	42	--	160	36	3.4	11	357	337	.49
JUN										
05...	1.9	25	--	120	25	3.7	8.5	305	253	.41
26...	2.1	31	--	160	33	4.0	12	398	335	.54
AUG										
01...	2.2	40	6.2	140	35	3.2	13	354	316	.48
SEP										
05...	2.9	17	8.3	60	18	4.0	12	233	162	.32

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
03...	84.0	.84	.72	3.2	.02	.02	.07	.86	.74	.02
13...	--	--	--	--	--	--	--	--	--	--
31...	87.5	1.5	1.4	6.2	.01	.01	.03	1.5	1.4	.02
NOV										
27...	--	--	--	--	--	--	--	--	--	--
28...	77.5	1.2	1.2	5.3	.03	.03	.10	1.2	1.2	.02
JAN										
03...	256	.71	.71	3.1	.04	.04	.13	.75	.75	.14
30...	288	2.3	2.5	11	.12	.12	.39	2.4	2.6	.09
FEB										
06...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	339	.66	.66	2.9	.03	.03	.10	.69	.69	.28
08...	--	--	--	--	--	--	--	--	--	--
APR										
02...	--	--	--	--	--	--	--	--	--	--
03...	121	1.3	1.3	5.8	.01	.01	.03	1.3	1.3	.02
MAY										
02...	120	1.7	1.7	7.5	.09	.09	.30	1.7	1.7	.02
JUN										
05...	420	1.9	1.9	8.4	.07	.07	.23	1.9	1.9	.09
26...	215	2.6	2.4	11	.05	.05	.16	2.6	2.4	.08
AUG										
01...	220	2.0	2.0	8.9	.04	.04	.13	2.0	2.0	.06
SEP										
05...	753	.77	.76	3.4	.08	.07	.23	.85	.83	1.5

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02301500 - ALAFIA RIVER AT LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)
OCT										
03...	.02	.03	.54	.50	.56	.52	1.4	6.3	4.1	4.0
13...	--	--	--	--	--	--	--	--	--	--
31...	.02	.03	.51	.51	.53	.53	2.0	9.0	5.5	5.5
NOV										
27...	--	--	--	--	--	--	--	--	--	--
28...	.02	.03	.37	.37	.39	.39	1.6	7.2	4.1	4.1
JAN										
03...	.12	.15	.96	.68	1.1	.80	1.8	8.2	3.7	3.0
30...	.09	.12	1.4	1.4	1.4	1.4	3.9	17	3.3	3.3
FEB										
06...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	.28	.36	1.3	.64	1.5	.92	2.2	10	2.4	2.2
08...	--	--	--	--	--	--	--	--	--	--
APR										
02...	--	--	--	--	--	--	--	--	--	--
03...	.01	.01	.44	.44	.46	.45	1.7	7.8	3.7	3.7
MAY										
02...	.01	.01	--	.63	--	.64	--	--	11	11
JUN										
05...	.09	.12	.91	.83	1.0	.92	2.9	13	9.4	9.4
26...	.08	.10	1.0	.65	1.0	.73	3.7	17	8.0	8.0
AUG										
01...	.06	.08	.85	.67	.91	.73	2.9	13	5.3	5.0
SEP										
05...	1.5	1.9	1.5	1.3	3.0	2.8	3.8	17	6.9	6.9

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA) (01006)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR) (01031)
OCT											
03...	4.2	4.1	13	--	2	2	0	0	0	<10	<9
31...	5.5	5.5	17	70	2	--	--	--	--	--	--
NOV											
28...	4.1	4.1	13	--	--	--	--	--	--	--	--
JAN											
03...	3.1	3.0	9.2	--	3	2	0	0	0	10	8
30...	3.3	3.3	10	--	--	--	--	--	--	--	--
MAR											
06...	2.4	2.2	6.7	--	--	--	--	--	--	--	--
APR											
03...	3.4	3.4	10	--	1	1	0	0	0	20	10
MAY											
02...	10	10	31	--	--	--	--	--	--	--	--
JUN											
05...	9.4	9.4	29	--	--	--	--	--	--	--	--
26...	7.4	7.8	24	--	2	2	0	0	3	<10	0
AUG											
01...	5.1	5.0	15	--	--	--	--	--	--	--	--
SEP											
05...	6.9	6.9	21	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02301500 - ALAFIA RIVER AT LITHIA, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, SUS- PENDE RECov- ERABLE (UG/L AS AG) (01076)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN) (01091)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS- SOLVED (UG/L U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L U-NAT) (80040)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)
OCT 03...	0	1	0	1	--	0	0	10	<3.2	<.4	--
31...	--	--	--	--	290	--	--	0	--	--	--
NOV 28...	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	0	0	0	0	--	20	10	10	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
APR 03...	0	0	0	0	--	30	20	10	--	--	--
MAY 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	--	--	--	--	--	--	--	--	<4.3	1.4	<2.9
26...	0	0	0	0	--	10	1	9	--	--	--
AUG 01...	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	--	--	--	--	--	--	--	--	--	--	--

DATE	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)
OCT 03...	--	2.2	<.4	2.0	<.4	.12	.50	--	7.9	.5
31...	--	--	--	--	--	--	--	10	--	--
NOV 28...	--	--	--	--	--	--	--	6.8	--	--
JAN 03...	--	--	--	--	--	--	--	--	16	1.0
30...	--	--	--	--	--	--	--	13	--	--
MAR 06...	--	--	--	--	--	--	--	23	--	--
APR 03...	--	--	--	--	--	--	--	--	8.6	.2
MAY 02...	--	--	--	--	--	--	--	13	--	--
JUN 05...	1.0	2.1	.8	1.9	.9	.03	.40	15	--	--
26...	--	--	--	--	--	--	--	--	33	.5
AUG 01...	--	--	--	--	--	--	--	15	--	--
SEP 05...	--	--	--	--	--	--	--	34	--	--

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 03...	110	3	.92
NOV 28...	58	3	.66
JAN 30...	69	5	4.7
APR 03...	52	3	1.1
JUN 05...	120	15	21
26...	140	--	--
26...	140	4	2.2

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

LOCATION.--Lat 27°52'00", long 82°13'50", in SW¼ sec.17, T.30 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, 500 ft (150 m) upstream from Alafia River, and 5.3 mi (8.5 km) northwest of Lithia.

PERIOD OF RECORD.--October 1956 to current year.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	345	---	---	---	---	---	---	328	---	---	---	---
2	---	---	397	---	---	280	---	---	---	---	---	---
3	---	---	---	---	419	---	---	---	---	270	---	---
4	---	347	---	---	---	---	---	---	242	---	---	---
5	---	---	---	---	---	---	---	---	---	---	415	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	347	---	---	406	---	---	255	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	404	---	318	---	---	336	---	---	---	---
10	---	---	---	---	---	270	---	---	251	---	---	---
11	---	---	---	---	---	---	---	---	---	275	---	---
12	---	266	---	---	---	---	---	---	---	---	497	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	426	---	---	375	331	---	---	---	---
15	338	---	---	---	---	---	---	---	---	---	---	---
16	---	---	371	---	329	349	---	---	---	295	---	---
17	---	---	---	---	---	---	---	---	400	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	313	---	---	---	---	---	---	---	---	435	---
20	---	---	---	---	---	---	---	326	---	---	---	---
21	412	---	---	411	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	267	---	---
23	---	---	405	---	421	---	425	---	---	---	---	---
24	---	---	---	---	---	410	---	---	247	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	435	---	---	---	---	---	---	---	---	197	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	309	---	---	---	401	---	---	396	---	---	---	---
29	---	---	405	---	---	---	---	---	---	431	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	425	---	---	---	---	---	---
TOTAL	1751	1361	1982	1243	1888	1734	1055	1717	1140	1538	1547	---
MEAN	350	340	396	414	378	347	352	343	285	308	387	---
MAX	412	435	405	426	421	425	425	396	400	431	497	---
MIN	309	266	371	406	318	270	255	326	242	267	197	---
WTR YR 1979 TOTAL	16956		MEAN	353	MAX	497	MIN	197				

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	---	---	---	---			25.0	---	---	---	
2	---	---	25.0	---	---			---	---	---	---	
3	---	---	---	---	24.0			---	---	26.0	---	
4	---	25.0	---	---	---			---	26.0	---	---	
5	---	---	---	---	---			---	---	---	26.0	
6	---	---	---	---	---			---	---	---	---	
7	25.0	---	---	24.0	---			---	---	---	---	
8	---	---	---	---	---			---	---	---	---	
9	---	---	25.0	---	24.0			25.0	---	---	---	
10	---	---	---	---	---			---	26.0	---	---	
11	---	---	---	---	---			---	---	26.0	---	
12	---	25.0	---	---	---			---	---	---	27.0	
13	---	---	---	---	---			---	---	---	---	
14	---	---	---	24.0	---			25.0	---	---	---	
15	26.0	---	---	---	---			---	---	---	---	
16	---	---	25.0	---	24.0			---	---	26.0	---	
17	---	---	---	---	---			---	26.0	---	---	
18	---	---	---	---	---			---	---	---	---	
19	---	25.0	---	---	---			---	---	---	27.0	
20	---	---	---	---	---			25.0	---	---	---	
21	26.0	---	---	24.0	---			---	---	---	---	
22	---	---	---	---	---			---	---	26.0	---	
23	---	---	25.0	---	24.0			---	---	---	---	
24	---	---	---	---	---			---	26.0	---	---	
25	---	---	---	---	---			---	---	---	---	
26	---	25.0	---	---	---			---	---	---	27.0	
27	---	---	---	---	---			---	---	---	---	
28	26.0	---	---	---	24.0			25.0	---	---	---	
29	---	---	24.0	---	---			---	---	26.0	---	
30	---	---	---	---	---			---	---	---	---	
31	---	---	---	---	---			---	---	---	---	
TOTAL	128.0	100.0	124.0	72.0	120.0			125.0	104.0	130.0	107.0	
MEAN	25.5	25.0	25.0	24.0	24.0			25.0	26.0	26.0	27.0	
MAX	26.0	25.0	25.0	24.0	24.0			25.0	26.0	26.0	27.0	
MIN	25.0	25.0	24.0	24.0	24.0			25.0	26.0	26.0	26.0	
WTR YR 1979	TOTAL	1010.0		MEAN	25.5	MAX	27.0	MIN	24.0			

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

DISSOLVED FLUORIDE (F) • MG/L • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.4	---	---	---	---	---	---	.8	---	---	---	---
2	---	---	.3	---	---	---	---	---	---	---	---	---
3	---	---	---	---	.3	---	---	---	---	.3	---	---
4	---	.4	---	---	---	---	---	---	.3	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	.3	---	---	.4	---	---	.4	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	.5	---	.4	---	---	2.4	---	---	---	---
10	---	---	---	---	---	---	---	---	.3	---	---	---
11	---	---	---	---	---	---	---	---	---	.3	---	---
12	---	.4	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	.3	---	---	---	---	---
14	---	---	---	.3	---	---	.3	2.4	---	---	---	---
15	.3	---	---	---	---	---	---	---	---	---	---	---
16	---	---	.3	---	.4	---	---	---	---	.3	---	---
17	---	---	---	---	---	---	---	---	.3	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	.3	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	.8	---	---	---	---
21	.3	---	---	.4	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	.3	---	---
23	---	---	.3	---	.3	---	.3	---	---	---	---	---
24	---	---	---	---	---	---	---	---	.3	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	.3	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	.3	---	---	.7	---	---	---	.4	---	---	---	---
29	---	---	.3	---	---	---	---	---	---	.3	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	1.6	1.4	1.7	1.8	1.4	---	1.0	6.8	1.2	1.5	---	---
MEAN	.3	.4	.3	.5	.4	---	.3	1.4	.3	.3	---	---
MAX	.4	.4	.5	.7	.4	---	.4	2.4	.3	.3	---	---
MIN	.3	.3	.3	.3	.3	---	.3	.4	.3	.3	---	---
WTR YR 1979 TOTAL	18.4		MEAN		.5	MAX		2.4	MIN		.3	

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

PHOSPHORUS, TOTAL, ORTHO AS P (MG/L), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	---	---	---	---	---	---	1.6	---	---	---	---
2	---	---	.05	---	---	---	---	---	---	---	---	---
3	---	---	---	---	.06	---	---	---	---	.00	---	---
4	---	.01	---	---	---	---	---	---	.00	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	.00	---	---	.11	---	---	.03	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	.36	---	.01	---	---	4.2	---	---	---	---
10	---	---	---	---	---	---	---	---	.00	---	---	---
11	---	---	---	---	---	---	---	---	---	.00	---	---
12	---	.00	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	.05	---	---	.03	4.2	---	---	---	---
15	.01	---	---	---	---	---	---	---	---	---	---	---
16	---	---	.05	---	.10	---	---	---	---	.00	---	---
17	---	---	---	---	---	---	---	---	.08	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	.00	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	1.8	---	---	---	---
21	.04	---	---	.07	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	.00	---	---
23	---	---	.05	---	.06	---	.05	---	---	---	---	---
24	---	---	---	---	---	---	---	---	.06	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	.04	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	.00	---	---	.79	---	---	---	.27	---	---	---	---
29	---	---	.04	---	---	---	---	---	---	.05	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0.04	0.05	0.55	1.02	0.23	---	0.11	12.07	0.14	0.05	---	---
MEAN	.02	.01	.11	.26	.06	---	.04	2.4	.04	.01	---	---
MAX	.04	.04	.36	.79	.10	---	.05	4.2	.08	.05	---	---
MIN	.00	.00	.04	.05	.01	---	.03	.27	.00	.00	---	---
WTR YR 1979 TOTAL	14.31		MEAN		.37	MAX	4.2	MIN	.00			

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02301600 - LITHIA SPRINGS NR LITHIA, FLA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT									
13...	8.86	3.6	442	--	25.0	--	--	--	--
26...	8.52	--	451	7.6	25.0	.00	3.4	--	.1
NOV									
29...	8.80	30	370	--	25.0	--	--	--	--
FEB									
06...	9.34	37	440	--	25.5	--	--	--	--
APR									
05...	8.73	36	445	--	24.5	--	--	--	--
MAY									
21...	10.72	--	411	7.7	26.0	1.0	3.2	39	.5
AUG									
02...	9.52	44	434	7.0	23.0	--	3.9	--	--

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
13...	--	--	--	--	--	--	--	--	--
26...	2.6	.01	2.6	.01	.05	.06	2.6	12	.06
NOV									
29...	--	--	--	--	--	--	--	--	--
FEB									
06...	--	--	--	--	--	--	--	--	--
APR									
05...	--	--	--	--	--	--	--	--	--
MAY									
21...	2.3	.01	2.3	.02	.13	.15	2.4	11	.22
AUG									
02...	--	--	--	--	--	--	--	--	--

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INOR- GANIC, TOTAL (MG/L AS C) (00685)
OCT				
26...	.06	26	.0	26
MAY				
21...	.11	--	1.9	--

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°08'59", long 82°13'57", in SW¼ sec.8, T.27 S., R.21 E., Hillsborough County, Hydrologic Unit 03100205, on left bank 30 ft (9 m) downstream from footbridge in Hillsborough River State Park, 1.2 mi (1.9 km) downstream from Blackwater Creek, 6.5 mi (10.5 km) southwest of Zephyrhills, and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--220 mi² (570 km²), approximately.

PERIOD OF RECORD.--October 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year, incomplete.

WATER TEMPERATURES: October 1974 to current year, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 520 micromhos Jan. 2, 1976; minimum daily, 81 micromhos Sept. 10, 1979.

WATER TEMPERATURES: Maximum daily, 28°C Oct. 1, 1974, May 5, 1975, July 7, Aug. 3, Sept. 29, 1977, June 28, 1979; minimum daily, 11°C Nov. 11, 1976.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 393 micromhos Feb. 28; minimum daily, 81 micromhos Sept. 10.

WATER TEMPERATURES: Maximum daily 28°C June 28; minimum daily, 13°C Jan. 4, 25.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	337	299	344	324	316	335	325	272	---	268	112
2	365	336	---	335	346	324	---	320	382	319	---	131
3	360	337	---	344	346	---	345	324	303	322	278	145
4	360	338	334	344	346	---	334	324	310	316	278	148
5	357	323	328	337	347	332	349	325	322	319	288	148
6	350	330	---	348	356	135	---	321	319	300	---	153
7	350	---	335	347	356	137	349	325	321	282	294	157
8	357	336	---	348	358	183	344	115	320	318	274	157
9	350	341	330	270	348	184	---	160	322	318	267	156
10	352	340	327	269	348	184	---	180	324	304	143	81
11	355	333	330	268	348	184	335	195	324	282	144	137
12	350	335	---	---	353	207	335	160	318	281	---	136
13	353	333	326	---	357	205	339	176	---	279	137	108
14	354	335	327	---	---	205	345	150	333	280	146	108
15	352	332	330	312	353	213	345	---	325	310	152	108
16	353	326	---	325	349	251	335	200	317	266	155	106
17	346	332	324	---	---	251	333	200	---	---	148	107
18	346	331	---	---	356	251	340	220	330	269	164	106
19	340	317	---	---	354	---	335	231	---	282	132	121
20	346	323	---	---	344	282	340	250	324	289	132	82
21	346	329	---	327	---	---	331	---	328	306	127	99
22	335	321	---	328	356	---	335	256	---	296	127	99
23	335	321	---	328	308	---	335	266	---	281	127	97
24	340	321	---	255	166	---	331	185	---	286	112	102
25	340	322	---	256	168	---	330	285	326	276	117	95
26	342	324	358	312	233	---	---	215	331	245	133	95
27	340	---	330	313	267	---	345	235	344	---	143	95
28	340	324	321	---	393	343	---	250	331	263	152	99
29	338	319	---	---	---	---	---	---	332	272	159	99
30	333	---	---	321	---	---	330	285	316	---	167	100
31	332	---	---	324	---	351	---	275	---	268	122	---
TOTAL	10762	8896	4599	6955	8180	4543	7780	6753	7774	7829	4886	3487
MEAN	347	329	329	316	327	239	338	241	324	290	175	116
MAX	365	341	358	348	393	351	349	325	382	322	294	157
MIN	332	317	299	255	166	135	330	115	272	245	112	81

WTR YR 1979 TOTAL 82444 MEAN 277 MAX 393 MIN 81

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	22.0	23.0	19.0	15.0	19.0	22.0	23.0	26.0	---	26.0	25.0
2	24.0	22.0	---	18.0	15.0	20.0	---	24.0	25.0	26.0	---	27.0
3	25.0	20.0	---	14.0	15.0	---	22.0	24.0	25.0	26.0	25.0	26.0
4	25.0	20.0	24.0	13.0	15.0	---	23.0	24.0	25.0	25.0	25.0	26.0
5	25.0	20.0	22.0	17.0	16.0	21.0	---	24.0	25.0	25.0	26.0	26.0
6	24.0	21.0	---	19.0	16.0	18.0	---	24.0	25.0	25.0	---	26.0
7	23.0	---	23.0	18.0	16.0	16.0	22.0	24.0	25.0	25.0	25.0	26.0
8	24.0	22.0	---	16.0	17.0	18.0	22.0	22.0	25.0	24.0	25.0	26.0
9	24.0	23.0	22.0	18.0	17.0	16.0	---	24.0	25.0	25.0	25.0	27.0
10	24.0	21.0	20.0	20.0	17.0	19.0	---	24.0	25.0	25.0	25.0	26.0
11	23.0	22.0	18.0	16.0	16.0	18.0	24.0	25.0	24.0	25.0	24.0	26.0
12	23.0	22.0	---	---	17.0	18.0	24.0	24.0	25.0	25.0	---	25.0
13	24.0	22.0	19.0	---	17.0	18.0	24.0	25.0	---	25.0	24.0	---
14	24.0	23.0	19.0	---	---	19.0	24.0	25.0	25.0	26.0	25.0	---
15	21.0	22.0	20.0	17.0	19.0	20.0	24.0	---	25.0	25.0	25.0	---
16	21.0	22.0	---	17.0	20.0	19.0	22.0	24.0	25.0	25.0	26.0	---
17	21.0	23.0	20.0	---	---	19.0	22.0	23.0	---	---	26.0	---
18	21.0	23.0	---	---	20.0	19.0	21.0	23.0	25.0	25.0	27.0	---
19	22.0	23.0	---	---	19.0	---	22.0	22.0	---	26.0	26.0	26.0
20	22.0	22.0	---	---	20.0	20.0	22.0	24.0	25.0	26.0	26.0	---
21	22.0	22.0	---	20.0	---	---	23.0	---	25.0	26.0	26.0	---
22	22.0	22.0	---	19.0	22.0	---	22.0	24.0	---	25.0	27.0	---
23	23.0	23.0	---	18.0	22.0	---	23.0	24.0	---	25.0	26.0	---
24	23.0	21.0	---	15.0	20.0	---	21.0	24.0	---	26.0	26.0	---
25	23.0	21.0	---	13.0	20.0	---	22.0	22.0	25.0	26.0	26.0	---
26	23.0	21.0	19.0	18.0	16.0	---	---	21.0	25.0	26.0	25.0	---
27	24.0	---	18.0	20.0	16.0	---	23.0	21.0	24.0	---	27.0	---
28	24.0	22.0	20.0	---	17.0	20.0	---	22.0	26.0	26.0	27.0	---
29	24.0	23.0	---	---	---	---	---	---	25.0	26.0	27.0	---
30	24.0	---	---	16.0	---	---	23.0	24.0	25.0	---	27.0	---
31	23.0	---	---	16.0	---	22.0	---	25.0	---	26.0	26.0	---
TOTAL	720.0	590.0	287.0	377.0	440.0	359.0	497.0	659.0	602.0	686.0	725.0	338.0
MEAN	23.0	22.0	20.5	17.0	17.5	19.0	22.5	23.5	25.0	25.5	26.0	26.0
MAX	25.0	23.0	24.0	20.0	22.0	22.0	24.0	25.0	28.0	26.0	27.0	27.0
MIN	21.0	20.0	18.0	13.0	15.0	16.0	21.0	21.0	24.0	24.0	24.0	25.0
WTR YR 1979	TOTAL	6280.0	MEAN	22.5	MAX	28.0	MIN	13.0				

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (000065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (000061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (000095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT									
04...	.96	92	390	7.8	24.5	--	1.0	--	--
NOV									
01...	.82	71	330	7.8	23.0	0	1.0	6.1	--
27...	.72	60	210	7.8	21.8	--	1.0	5.0	--
27...	.72	60	210	7.8	21.7	--	--	4.5	--
27...	.72	60	210	7.8	21.7	--	--	5.3	--
27...	.72	60	210	7.7	21.7	--	--	5.0	--
27...	.72	60	200	7.7	21.7	--	--	3.7	--
27...	.72	60	210	7.8	21.8	--	--	5.7	--
27...	.72	60	210	7.8	21.8	--	--	5.4	--
27...	.72	60	200	7.9	21.8	--	--	4.3	--
27...	.72	60	210	7.8	21.8	--	--	4.9	--
27...	.72	60	210	7.8	21.8	--	--	5.2	--
27...	.72	60	200	7.9	21.8	--	--	3.2	--
27...	.72	60	210	7.8	21.9	--	--	4.4	--
27...	.72	60	210	7.9	21.9	--	--	5.1	--
DEC									
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
12...	.73	61	--	--	--	--	--	--	--
13...	.73	61	--	--	--	--	--	--	--
13...	.73	61	--	--	--	--	--	--	--
13...	.73	61	--	--	--	--	--	--	--
13...	.73	61	--	--	--	--	--	--	--
13...	.73	61	--	--	--	--	--	--	--
JAN									
03...	1.35	159	300	7.6	16.5	--	1.0	9.6	--
30...	1.34	140	310	7.5	14.7	--	2.0	6.7	--
MAR									
06...	3.94	732	188	7.0	18.5	--	2.0	6.1	--
27...	1.24	126	313	7.5	22.5	--	2.0	7.4	--
APR									
18...	.90	--	353	8.0	19.5	--	--	7.3	--
MAY									
02...	.88	78	332	8.0	22.0	--	3.0	7.6	--
JUN									
04...	1.16	110	300	7.7	25.5	--	3.0	6.5	78

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)
OCT										
04...	--	3100	64	K30	180	45	62	4.9	10	11
NOV										
01...	.8	2300	K24	K20	160	32	57	4.6	8.7	10
27...	--	620	72	K24	160	33	58	4.4	6.4	8
DEC										
12...	--	1100	38	--	--	--	--	--	--	--
12...	--	490	K30	--	--	--	--	--	--	--
12...	--	560	K27	--	--	--	--	--	--	--
12...	--	490	K32	--	--	--	--	--	--	--
12...	--	620	76	--	--	--	--	--	--	--
12...	--	670	K20	--	--	--	--	--	--	--
12...	--	730	38	--	--	--	--	--	--	--
13...	--	660	K23	--	--	--	--	--	--	--
13...	--	K390	64	--	--	--	--	--	--	--
13...	--	510	86	--	--	--	--	--	--	--
13...	--	K420	K27	--	--	--	--	--	--	--
13...	--	340	44	--	--	--	--	--	--	--
JAN										
03...	--	5200	470	520	140	44	48	5.1	12	15
30...	--	770	94	K8	140	32	49	4.8	9.3	12
MAR										
06...	--	35000	K5400	K3400	79	20	27	2.8	6.8	15
27...	--	580	K14	K16	150	18	52	4.4	7.8	10
APR										
18...	--	--	--	--	--	--	--	--	--	--
MAY										
02...	--	1100	K23	<1	150	22	54	4.2	6.6	9
JUN										
04...	.6	920	72	K22	140	29	49	4.1	6.9	10

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT										
04...	.3	1.3	130	34	12	.3	9.8	217	213	.30
NOV										
01...	.3	1.1	130	20	12	.2	9.7	207	192	.28
27...	.2	1.0	140	11	9.5	.2	10	199	185	.27
DEC										
12...	--	--	--	13	--	--	--	--	--	--
12...	--	--	--	13	--	--	--	--	--	--
12...	--	--	--	23	--	--	--	--	--	--
12...	--	--	--	15	--	--	--	--	--	--
12...	--	--	--	13	--	--	--	--	--	--
12...	--	--	--	14	--	--	--	--	--	--
12...	--	--	--	14	--	--	--	--	--	--
13...	--	--	--	23	--	--	--	--	--	--
13...	--	--	--	14	--	--	--	--	--	--
13...	--	--	--	14	--	--	--	--	--	--
13...	--	--	--	15	--	--	--	--	--	--
13...	--	--	--	14	--	--	--	--	--	--
JAN										
03...	.4	4.7	97	40	17	.3	9.2	229	195	.31
30...	.3	2.5	110	22	15	.3	9.4	213	178	.29
MAR										
06...	.3	1.8	59	11	12	.2	5.6	143	103	.19
27...	.3	1.2	130	13	14	.2	9.7	210	181	.29
APR										
18...	--	--	--	--	--	--	--	--	--	--
MAY										
02...	.2	.8	130	12	9.2	.2	8.9	186	174	.25
JUN										
04...	.3	1.5	110	15	11	.2	9.5	199	163	.27

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE SOLVED (MG/L AS N) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE SOLVED (MG/L AS N) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
04...	53.9	1.9	1.7	7.5	.04	.04	.13	1.9	1.7	.07
NOV										
01...	39.7	1.2	1.2	5.3	.01	.01	.03	1.2	1.2	.02
27...	32.2	1.1	1.1	4.9	.02	.02	.07	1.1	1.1	.02
DEC										
12...	--	--	1.3	5.8	--	.00	.00	--	1.3	--
12...	--	--	1.3	5.8	--	.00	.00	--	1.3	--
12...	--	--	.17	.80	--	.02	.07	--	.19	--
12...	--	--	.92	4.1	--	.00	.00	--	.92	--
12...	--	--	1.1	4.9	--	.00	.00	--	1.1	--
12...	--	--	1.1	4.9	--	.00	.00	--	1.1	--
12...	--	--	1.4	6.2	--	.00	.00	--	1.4	--
13...	--	--	.17	.80	--	.02	.07	--	.19	--
13...	--	--	1.0	4.4	--	.00	.00	--	1.0	--
13...	--	--	1.1	4.9	--	.00	.00	--	1.1	--
13...	--	--	1.3	5.8	--	.00	.00	--	1.3	--
13...	--	--	1.2	5.3	--	.00	.00	--	1.2	--
JAN										
03...	98.3	1.2	1.2	5.3	.16	.16	.53	1.3	1.3	.30
30...	80.5	.83	.88	3.9	.01	.01	.03	.84	.89	.01
MAR										
06...	283	.29	.25	1.1	.01	.02	.07	.30	.27	.03
27...	71.4	.85	.85	3.8	.01	.01	.03	.86	.86	.02
APR										
18...	--	--	--	--	--	--	--	--	--	--
MAY										
02...	39.2	.99	.99	4.4	.01	.01	.03	1.0	1.0	.03
JUN										
04...	59.1	.78	.78	3.5	.01	.01	.03	.79	.79	.02

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)
OCT										
04...	.07	.09	.28	.28	.35	.35	2.2	10	.39	.39
NOV										
01...	.02	.03	.14	.14	.16	.16	1.3	6.1	.29	.29
27...	.01	.01	.16	.19	.18	.20	1.3	5.8	.18	.17
DEC										
12...	.02	.03	--	.28	--	.30	--	--	--	--
12...	.02	.03	--	.34	--	.36	--	--	--	--
12...	.06	.08	--	.58	--	.64	--	--	--	--
12...	.01	.01	--	.45	--	.46	--	--	--	--
12...	.02	.03	--	.24	--	.26	--	--	--	--
12...	.02	.03	--	.23	--	.25	--	--	--	--
12...	.01	.01	--	.23	--	.24	--	--	--	--
13...	.06	.08	--	.54	--	.60	--	--	--	--
13...	.02	.03	--	.38	--	.40	--	--	--	--
13...	.02	.03	--	.25	--	.27	--	--	--	--
13...	.02	.03	--	.35	--	.37	--	--	--	--
13...	.01	.01	--	.23	--	.24	--	--	--	--
JAN										
03...	.29	.37	.50	.50	.80	.79	2.1	9.6	1.4	1.4
30...	.02	.03	1.1	.76	1.1	.78	1.9	8.6	.58	.58
MAR										
06...	.03	.04	.89	.53	.92	.56	1.2	5.4	.61	.51
27...	.02	.03	.66	--	.68	.85	1.5	6.8	.32	.30
APR										
18...	--	--	--	--	--	--	--	--	--	--
MAY										
02...	.02	.03	.17	.18	.20	.20	1.2	5.3	.23	.21
JUN										
04...	.02	.03	.50	.55	.52	.57	1.3	5.8	.42	.42

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ELEV. OF LAND SURFACE DATUM (FT. NGVD) (72000)	STREAM- FLOW INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JUN 26...	33.28	72	339	7.9	24.5	.00	8.9	105	100	K26
AUG 01...	33.28	113	270	7.6	26.0	1.0	5.1	62	K1200	K42
28...	33.28	605	159	6.6	26.0	1.0	5.2	63	2200	93

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM, RECOV. FM BOT- TOM MA- TERIAL (MG/KG AS NA) (00934)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)
JUN 26...	K8	160	20	57	4.2	5.7	320	7	.2	--
AUG 01...	270	130	21	46	3.8	6.3	--	9	.2	7.6
28...	K120	71	21	24	2.6	5.1	--	13	.3	6.8

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
JUN 26...	.8	140	--	12	8.9	.2	8.5	199	179	.27
AUG 01...	1.3	110	5.4	9.3	11	.2	9.7	189	154	.26
28...	1.7	50	25	10	8.8	.2	7.0	151	89	.21

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 26...	38.7	1.1	1.0	4.4	.00	.00	.00	1.1	1.0	.05
AUG 01...	57.7	.93	.93	4.1	.01	.01	.03	.94	.94	.05
28...	247	.32	.32	1.4	.02	.02	.07	.34	.34	.01

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILVER, SUS- PENDE- RECOV- ERABLE (UG/L AS AG) (01076)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, SUS- PENDE- RECOV- ERABLE (UG/L AS ZN) (01091)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)
OCT 04...	0	0	--	20	0	20	2.7	<.4	--	--	1.9
NOV 01...	--	--	360	--	--	0	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	0	0	--	10	0	10	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
27...	0	0	--	10	0	10	--	--	--	--	--
MAY 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 04...	--	--	--	--	--	--	<2.5	<.4	<1.7	<.3	2.6
26...	0	0	--	20	0	20	--	--	--	--	--
AUG 01...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--

DATE	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE- TOTAL (MG/L AS C) (00689)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)
OCT 04...	<.4	1.8	<.4	.05	<.01	--	3.7	.4	6.40	--	--
NOV 01...	--	--	--	--	--	20	--	--	--	ND	ND
27...	--	--	--	--	--	5.1	--	--	--	--	--
DEC 12...	--	--	--	--	--	2.5	--	--	--	--	--
12...	--	--	--	--	--	3.1	--	--	--	--	--
12...	--	--	--	--	--	17	--	--	--	--	--
12...	--	--	--	--	--	5.6	--	--	--	--	--
12...	--	--	--	--	--	4.9	--	--	--	--	--
12...	--	--	--	--	--	5.8	--	--	--	--	--
12...	--	--	--	--	--	5.8	--	--	--	--	--
13...	--	--	--	--	--	9.0	--	--	--	--	--
13...	--	--	--	--	--	3.3	--	--	--	--	--
13...	--	--	--	--	--	4.3	--	--	--	--	--
13...	--	--	--	--	--	7.1	--	--	--	--	--
13...	--	--	--	--	--	1.5	--	--	--	--	--
JAN 03...	--	--	--	--	--	--	9.0	.2	.870	--	--
30...	--	--	--	--	--	13	--	--	--	ND	--
MAR 06...	--	--	--	--	--	27	--	--	--	--	--
27...	--	--	--	--	--	--	9.5	.0	--	--	--
MAY 02...	--	--	--	--	--	--	--	--	2.99	ND	--
JUN 04...	<.4	2.4	<.4	.33	.80	20	--	--	--	--	--
26...	--	--	--	--	--	--	2.7	.3	2.52	--	--
AUG 01...	--	--	--	--	--	17	--	--	--	--	--
28...	--	--	--	--	--	27	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible][illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TOX- APHENE, TOTAL (UG/L) (39400)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70958)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT											
04...	--	--	--	--	300	--	5.20	6.71	.660	1	.25
NOV											
01...	ND	ND	ND	ND	--	--	--	--	--	1	.19
27...	--	--	--	--	43	--	--	--	--	3	.49
JAN											
03...	--	--	--	--	--	--	.470	20.0	.000	2	.86
30...	ND	--	ND	--	180	--	--	--	--	4	1.5
MAR											
27...	--	--	--	--	110	--	--	--	--	4	1.4
MAY											
02...	ND	--	ND	--	--	14.6	2.44	37.6	.000	--	--
JUN											
04...	--	--	--	--	0	--	--	--	--	2	.59
26...	--	--	--	--	90	38.9	1.89	16.2	2.36	1	.19

TAMPA BAY AND COASTAL AREAS

02307000 ROCKY CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'12", long 82°34'34", in NW¼ sec.23, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on left bank 75 ft (23 m) upstream from concrete control, 2.8 mi (4.5 km) downstream from Brushy Creek, 5.8 mi (9.3 km) upstream from mouth, and 7.4 mi (11.9 km) west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.

DRAINAGE AREA.--35 mi² (90 km²), approximately.

PERIOD OF RECORD.--March 1965 to current year, incomplete.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	---	---	---	---	---	171	---	---	178	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	233	---	---	---	---	---	113	---	---	---
4	---	---	---	---	150	167	---	---	---	---	---	---
5	---	270	---	---	---	---	---	---	---	---	224	---
6	---	---	---	214	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	258	---	---	---	---	---	156	238	---	185	---	---
9	---	---	---	---	---	---	---	---	---	---	---	86
10	---	---	258	---	---	---	---	---	125	---	---	---
11	---	---	---	---	151	136	---	---	---	---	---	---
12	---	212	---	---	---	---	---	---	---	---	140	---
13	---	---	---	---	---	---	---	100	---	---	---	---
14	---	---	---	144	---	---	---	---	---	---	---	---
15	242	---	---	---	---	---	171	---	---	179	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	253	---	---	---	---	---	148	---	---	---
18	---	---	---	---	150	144	---	---	---	---	---	---
19	---	237	---	---	---	---	---	---	---	---	93	---
20	---	---	---	---	---	---	---	97	---	---	---	---
21	---	---	---	194	---	---	---	---	---	---	---	85
22	195	---	---	---	---	---	184	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	199	---	---
24	---	---	256	---	---	---	---	---	191	---	---	---
25	---	---	---	---	206	155	---	---	---	---	---	---
26	---	---	---	278	---	---	---	---	---	---	85	---
27	---	---	---	---	---	---	---	110	---	---	---	---
28	---	245	---	---	---	---	194	---	---	---	---	---
29	247	---	---	166	---	---	---	---	---	208	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	194	---	---	---	---	---	---	---	---	---
TOTAL	1140	964	1194	996	657	602	876	545	578	949	542	171
MEAN	228	241	239	199	164	151	175	136	145	190	136	86
MAX	268	270	258	278	206	167	194	238	191	208	224	86
MIN	188	212	194	144	150	136	156	97	113	178	85	85
WTR YR 1979	TOTAL	9214	MEAN	181	MAX	278	MIN	85				

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02307000 ROCKY CREEK NEAR SULPHUR SPRINGS, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.5	---	---	---	---	---	20.5	---	---	24.0	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	22.0	---	---	---	---	---	24.0	---	---	---
4	---	---	---	---	20.5	21.0	---	---	---	---	---	---
5	---	27.0	---	---	---	---	---	---	---	---	26.0	---
6	---	---	---	19.0	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	26.0	---	---	---	---	---	20.0	24.0	---	26.0	---	28.0
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	19.0	---	---	---	---	---	29.0	---	---	---
11	---	---	---	---	20.0	21.0	---	---	---	---	---	---
12	---	22.0	---	---	---	---	---	---	---	---	25.0	---
13	---	---	---	---	---	---	---	26.0	---	---	---	---
14	---	---	---	19.5	---	---	---	---	---	---	---	---
15	22.0	---	---	---	---	---	21.0	---	---	25.0	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	19.0	---	---	---	---	---	26.0	---	---	---
18	---	---	---	---	19.0	20.5	---	---	---	---	---	---
19	---	23.0	---	---	---	---	---	---	---	---	28.0	---
20	---	---	---	---	---	---	---	25.0	---	---	---	---
21	---	---	---	20.0	---	---	---	---	---	---	---	28.0
22	23.5	---	---	---	---	---	22.0	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	28.5	---	---
24	---	---	19.0	---	---	---	---	---	29.0	---	---	---
25	---	---	---	---	20.0	21.5	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	28.0	---
27	---	---	---	---	---	---	---	23.0	---	---	---	---
28	---	23.0	---	---	---	---	23.0	---	---	---	---	---
29	25.0	---	---	20.0	---	---	---	---	---	28.5	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	19.0	---	---	---	---	---	---	---	---	---
TOTAL	123.0	95.0	98.0	78.5	79.5	84.0	106.5	98.0	108.0	132.0	107.0	56.0
MEAN	24.5	24.0	19.5	19.5	20.0	21.0	21.5	24.5	27.0	26.5	27.0	28.0
MAX	26.5	27.0	22.0	20.0	20.5	21.5	23.0	26.0	29.0	28.5	28.0	28.0
MIN	22.0	22.0	19.0	19.0	19.0	20.5	20.0	23.0	24.0	24.0	25.0	28.0
WTR YR 1979	TOTAL	1165.5	MEAN	23.5	MAX	29.0	MIN	19.0				

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

TAMPA BAY AND COASTAL AREAS

02307479 LAKE TARPON NEAR TARPON SPRINGS, FL

LOCATION.--Lat 28°05'35", long 82°43'20", in SE¼ sec.32, T.27 S., R.16 E., Pinellas County, Hydrologic Unit 03100206, on west shore of lake, on dock at Cobb Acres, 4.2 mi (6.8 km) southeast of Tarpon Springs.

SURFACE AREA.--2,534 acres (3.96 mi², 10.26 km²).

DRAINAGE AREA.--60 mi² (150 km²), approximately.

PERIOD OF RECORD.--September 1952 to current year.

PERIOD OF DAILY RECORD.--October 1963 to October 1977, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record. Prior to May 1969, salt-water intrusion occurred through underground formations and sinkhole near the west shore of lake; thereafter, sink isolated from lake by earthen dam.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 19,900 micromhos May 31, June 18, 19, 1968; minimum daily, 520 micromhos Oct. 16, 1975.

WATER TEMPERATURES: Maximum daily, 33°C July 29, 30, Aug. 14, 21, 1968, July 7, 1970; minimum daily, 9°C Feb. 6, 1966, Jan. 11, 12, 14, 1970.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	1000	---	---	920	---	---	---	---	---
2	865	---	---	---	---	---	920	---	---	890	---	---
3	---	---	---	---	---	---	---	---	---	---	---	880
4	---	---	975	---	---	---	---	---	998	---	---	---
5	---	---	---	---	910	920	---	---	---	---	---	---
6	---	950	---	---	---	---	---	---	---	---	1000	---
7	---	---	---	---	---	---	---	980	---	---	---	---
8	---	---	---	975	---	---	---	---	---	---	---	---
9	885	---	---	---	---	---	920	---	---	900	---	---
10	---	---	---	---	---	---	---	---	---	---	---	630
11	---	---	983	---	---	---	---	---	830	---	---	---
12	---	---	---	---	940	820	---	---	---	---	---	---
13	---	950	---	---	---	---	---	---	---	---	910	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	970	---	---	---	---	---	---	---	---
16	890	---	---	---	---	---	955	---	---	920	---	---
17	---	---	---	---	---	---	---	---	---	---	---	640
18	---	---	987	---	---	---	---	---	860	---	---	---
19	---	---	---	---	940	870	---	---	---	---	---	---
20	---	970	---	---	---	---	---	---	---	---	750	---
21	---	---	---	---	---	---	---	700	---	---	---	---
22	---	---	---	900	---	---	---	---	---	---	---	---
23	920	---	---	---	---	---	990	---	---	920	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	998	---	---	---	---	---	890	---	---	640
26	---	---	---	---	910	900	---	---	---	---	---	---
27	---	955	---	---	---	---	---	---	---	---	900	---
28	---	---	---	---	---	---	---	750	---	---	---	---
29	---	---	---	900	---	---	---	---	---	---	---	---
30	920	---	---	---	---	---	980	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	1010	---	---
TOTAL	4480	3835	3943	4745	3700	3510	4765	2440	3478	4640	3460	2590
MEAN	896	959	986	949	925	878	953	813	870	928	865	648
MAX	920	970	998	1000	940	920	990	980	898	1010	1000	880
MIN	865	950	975	900	910	820	920	700	830	890	750	630
WTR YR 1979 TOTAL	45586		MEAN		894	MAX		1010	MIN		630	

PEACE, WITHLACOOCHIE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02307479 LAKE TARPON NEAR TARPON SPRINGS, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	18.0	---	---	---	---	---	---	---	---
2	22.0	---	---	---	---	---	22.0	---	---	30.0	---	---
3	---	---	---	---	---	---	---	---	---	---	---	24.0
4	---	---	23.0	---	---	---	---	---	30.0	---	---	---
5	---	---	---	---	13.0	19.0	---	---	---	---	---	---
6	---	21.0	---	---	---	---	---	---	---	---	30.0	---
7	---	---	---	---	---	---	---	27.0	---	---	---	---
8	---	---	---	16.0	---	---	---	---	---	---	---	---
9	24.0	---	---	---	---	---	23.0	---	---	31.0	---	---
10	---	---	---	---	---	---	---	---	---	---	---	24.0
11	---	---	19.0	---	---	---	---	---	29.0	---	---	---
12	---	---	---	---	13.0	17.0	---	---	---	---	---	---
13	---	22.0	---	---	---	---	---	---	---	---	28.0	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	14.0	---	---	---	---	---	---	---	---
16	20.0	---	---	---	---	---	26.0	---	---	32.0	---	---
17	---	---	---	---	---	---	---	---	---	---	---	29.0
18	---	---	16.0	---	---	---	---	---	29.0	---	---	---
19	---	---	---	---	17.0	18.0	---	---	---	---	---	---
20	---	24.0	---	---	---	---	---	---	---	---	29.0	---
21	---	---	---	---	---	---	---	27.0	---	---	---	---
22	---	---	---	15.0	---	---	---	---	---	---	---	---
23	23.0	---	---	---	---	---	24.0	---	---	29.0	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	14.0	---	---	---	---	---	30.0	---	---	28.0
26	---	---	---	---	18.0	19.0	---	---	---	---	---	---
27	---	22.0	---	---	---	---	---	---	---	---	29.0	---
28	---	---	---	---	---	---	---	25.0	---	---	---	---
29	---	---	---	14.0	---	---	---	---	---	---	---	---
30	25.0	---	---	---	---	---	25.0	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	32.0	---	---
TOTAL	120.0	89.0	77.0	77.0	61.0	73.0	120.0	79.0	114.0	154.0	116.0	115.0
MEAN	24.0	22.5	19.5	15.5	15.5	18.5	24.0	26.5	29.5	31.0	29.0	29.0
MAX	24.0	24.0	23.0	18.0	18.0	19.0	26.0	27.0	30.0	32.0	30.0	29.0
MIN	20.0	21.0	16.0	14.0	13.0	17.0	22.0	25.0	29.0	29.0	28.0	28.0
WTR YR 1979 TOTAL	1199.0		MEAN		23.5	MAX		32.0	MIN		13.0	

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02307479 - LAKE TARPON NR TARPON SPRINGS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)
OCT										
11...	2.62	920	6.1	24.0	--	1.0	4.9	--	--	--
25...	2.51	1010	5.7	24.0	40	--	7.2	--	1.1	130
DEC										
07...	2.47	980	6.4	23.5	--	1.0	6.8	--	--	--
FEB										
02...	2.85	965	6.7	13.0	--	3.0	5.8	--	--	--
MAR										
26...	2.65	935	5.4	19.5	--	--	7.9	--	--	--
MAY										
23...	2.26	840	6.4	27.5	--	--	6.9	86	.5	--
JUN										
05...	2.64	798	5.9	30.0	--	3.0	6.1	79	--	--
JUL										
31...	2.41	1010	6.4	30.0	--	3.0	7.3	95	--	--

DATE	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE AS HC03 (00440)	CAR- BONATE AS C03 (00445)
OCT									
11...	--	--	--	--	--	--	--	--	--
25...	130	28	15	130	67	4.9	4.6	5	0
DEC									
07...	--	--	--	--	--	--	--	--	--
FEB									
02...	--	--	--	--	--	--	--	--	--
MAR									
26...	--	--	--	--	--	--	--	--	--
MAY									
23...	--	--	--	--	--	--	--	--	--
JUN									
05...	--	--	--	--	--	--	--	--	--
JUL									
31...	--	--	--	--	--	--	--	--	--

DATE	ALKA- LINITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02) (00405)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS Si02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT									
11...	--	--	--	230	--	--	--	--	--
25...	4	16	58	250	.2	7.6	546	496	.74
DEC									
07...	--	--	--	250	--	--	--	--	--
FEB									
02...	--	--	--	210	--	--	--	--	--
MAR									
26...	--	--	--	220	--	--	--	--	--
MAY									
23...	--	--	--	--	--	--	--	--	--
JUN									
05...	--	--	--	200	--	--	--	--	--
JUL									
31...	--	--	--	270	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

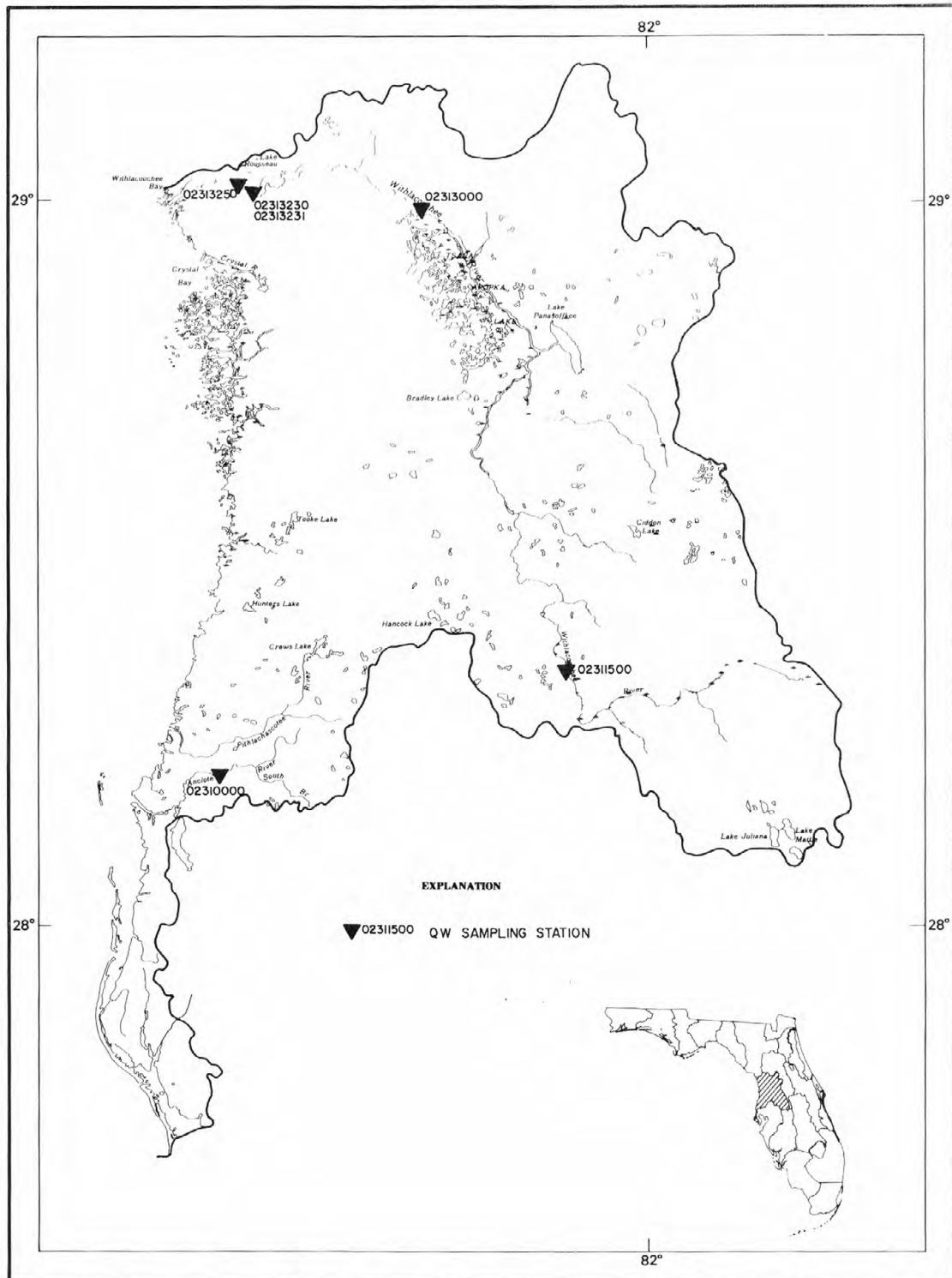


Figure 13. Location of water quality sampling sites in the Withlacoochee River basin and coastal areas.

PEACE, WITHLACOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310000 ANCLOTE RIVER NEAR ELPERS, FL

LOCATION.--Lat 28°12'50", long 82°40'00", in NE¼ sec.23, T.26 S., R.16 E., Pasco County, Hydrologic Unit 03100207, on left bank 40 ft (12 m) downstream from bridge on State Highway 54, 3.5 mi (5.6 km) east of Elfers, and 16 mi (26 km) upstream from mouth.

DRAINAGE AREA.--72.5 mi² (187.8 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1964 to December 1978, incomplete.

WATER TEMPERATURES: October 1964 to December 1978, incomplete.

REMARKS.--Extremes may have been exceeded during periods of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 560 micromhos May 1, 1974; minimum daily, 16 micromhos Dec. 31, 1963.

pH (1967-68): Maximum daily, 7.5 units Dec. 8, 1967; minimum daily, 4.5 units July 29, 1968.

WATER TEMPERATURES: Maximum daily, 29°C on several days May to September 1968, Oct. 1, 1969; minimum daily, 7°C Jan. 16, 1964, Feb. 1, 2, 1966, Jan. 10, 11, 1970.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	398	399	---	---	---	---	---	114	---	---	---
2	280	400	410	---	214	134	---	---	---	---	---	---
3	231	400	405	---	---	---	---	---	---	348	---	---
4	270	403	387	346	---	---	---	415	---	---	---	---
5	270	408	394	---	---	---	---	---	---	---	---	---
6	233	406	383	---	---	---	326	---	---	349	---	---
7	309	403	395	---	---	---	---	---	---	---	85	---
8	305	399	406	---	---	---	---	---	192	---	---	---
9	320	409	397	---	212	133	---	---	---	---	---	---
10	317	401	410	---	---	---	---	---	---	100	---	---
11	327	405	399	---	---	---	---	58	---	---	---	---
12	330	413	399	282	---	---	---	---	---	---	---	---
13	340	389	411	---	---	---	376	---	---	300	---	---
14	350	392	385	---	---	---	---	---	---	---	---	90
15	346	410	400	---	---	---	---	---	314	---	---	---
16	337	390	413	---	241	168	---	---	---	---	---	---
17	364	409	404	---	---	---	---	---	---	---	74	---
18	357	393	400	---	---	---	---	---	---	---	---	---
19	366	406	404	199	---	---	---	82	---	---	---	---
20	358	404	380	---	---	---	377	---	---	277	---	---
21	400	399	405	---	---	---	---	---	---	---	---	85
22	399	400	404	---	---	---	---	---	383	---	---	---
23	403	406	410	---	---	213	---	---	---	---	---	---
24	407	403	377	---	266	---	---	---	---	---	79	---
25	407	401	380	---	---	---	---	---	74	---	---	---
26	397	414	383	194	---	---	---	---	---	---	---	---
27	408	402	369	---	---	---	---	410	---	226	---	---
28	394	409	376	---	---	---	---	---	---	---	---	56
29	409	406	360	---	---	---	---	---	398	---	---	---
30	409	401	360	---	---	325	---	---	---	---	---	---
31	400	---	353	---	---	---	---	---	---	---	58	---
TOTAL	10723	12079	12158	1021	933	973	1079	965	1475	1600	296	231
MEAN	346	403	392	255	233	195	360	241	246	267	74	77
MAX	409	414	413	346	266	325	377	415	398	349	85	90
MIN	231	389	353	194	212	133	326	58	74	100	58	56
WTR YR 1979	TOTAL	43533	MEAN	332	MAX	415	MIN	56				

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER

02310000 ANCLOTE RIVER NEAR ELFERS, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	22.0	23.0	---	---	---	---	---	25.0	---	---	---
2	25.0	21.0	23.0	---	11.0	18.0	---	---	---	---	---	---
3	---	21.0	22.0	---	---	---	---	---	---	25.0	---	---
4	25.0	20.0	24.0	14.0	---	---	---	25.0	---	---	---	---
5	25.0	22.0	23.0	---	---	---	---	---	---	---	---	---
6	25.0	22.0	22.0	---	---	---	22.0	---	---	27.0	---	---
7	24.0	22.0	23.0	---	---	---	---	---	---	---	27.0	---
8	23.0	22.0	24.0	---	---	---	---	---	27.0	---	---	---
9	23.0	22.0	23.0	---	15.0	17.0	---	---	---	---	---	---
10	24.0	22.0	---	---	---	---	---	---	---	25.0	---	---
11	24.0	22.0	20.0	---	---	---	---	27.0	---	---	---	---
12	24.0	22.0	22.0	14.0	---	---	---	---	---	---	---	---
13	23.0	22.0	22.0	---	---	---	24.0	---	---	25.0	---	---
14	23.0	22.0	22.0	---	---	---	---	---	---	---	---	22.0
15	23.0	22.0	22.0	---	---	---	---	---	27.0	---	---	---
16	23.0	22.0	20.0	---	18.0	19.0	---	---	---	---	---	---
17	23.0	22.0	21.0	---	---	---	---	---	---	---	26.0	---
18	23.0	22.0	20.0	---	---	---	---	---	---	---	---	---
19	23.0	22.0	20.0	18.0	---	---	---	22.0	---	---	---	---
20	23.0	22.0	22.0	---	---	---	25.0	---	---	27.0	---	---
21	23.0	22.0	22.0	---	---	---	---	---	---	---	---	26.0
22	24.0	22.0	22.0	---	---	---	---	---	26.0	---	---	---
23	24.0	22.0	22.0	---	---	20.0	---	---	---	---	---	---
24	24.0	22.0	20.0	---	22.0	---	---	---	---	---	26.0	---
25	24.0	23.0	20.0	---	---	---	---	---	23.0	---	---	---
26	24.0	23.0	19.0	14.0	---	---	---	---	---	---	---	---
27	24.0	23.0	19.0	---	---	---	---	25.0	---	27.0	---	---
28	24.0	23.0	19.0	---	---	---	---	---	---	---	---	26.0
29	24.0	23.0	19.0	---	---	---	---	---	26.0	---	---	---
30	24.0	23.0	20.0	---	---	23.0	---	---	---	---	---	---
31	24.0	---	20.0	---	---	---	---	---	---	---	26.0	---
TOTAL	714.0	662.0	640.0	60.0	66.0	97.0	71.0	99.0	154.0	156.0	105.0	74.0
MEAN	24.0	22.0	21.5	15.0	16.5	19.5	23.5	25.0	25.5	26.0	26.5	24.5
MAX	25.0	23.0	24.0	18.0	22.0	23.0	25.0	27.0	27.0	27.0	27.0	26.0
MIN	23.0	20.0	19.0	14.0	11.0	17.0	22.0	22.0	23.0	25.0	26.0	22.0
WTR YR 1979 TOTAL	2896.0		MEAN	22.5	MAX	27.0	MIN	11.0				

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02310000 - ANCLOTE RIVER NR ELPERS, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT									
03...	7.41	10	245	7.2	24.5	--	3.0	5.2	--
25...	6.83	--	432	--	23.0	10	--	4.0	--
NOV									
28...	6.80	2.9	395	7.4	21.0	--	1.0	3.6	--
FEB									
05...	8.18	14	235	6.9	14.5	--	3.0	7.3	--
APR									
03...	7.60	10	310	6.9	22.5	--	2.0	4.4	--
MAY									
15...	--	--	--	--	--	--	--	--	--
22...	10.79	--	96	6.5	21.0	--	--	4.9	54
29...	10.74	--	100	6.8	21.0	--	3.0	7.3	81
JUL									
24...	--	--	262	6.8	25.0	--	4.0	4.5	53
SEP									
18...	--	--	--	--	--	--	--	--	--

DATE	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT										
03...	--	.09	.01	.10	.03	.55	.58	.68	3.0	.04
25...	1.3	--	--	--	--	--	--	--	--	--
NOV										
28...	--	.06	.02	.08	.05	.17	.22	.30	1.3	.06
FEB										
05...	--	.02	.01	.03	.02	.58	.60	.63	2.8	.03
APR										
03...	--	.09	.01	.10	.04	.54	.58	.68	3.0	.04
MAY										
15...	--	--	--	--	--	--	--	--	--	--
22...	1.0	--	--	--	--	--	--	--	--	--
29...	--	.05	.02	.07	.02	1.0	1.0	1.0	4.8	.04
JUL										
24...	--	.07	.01	.08	3.0	.58	3.5	3.6	16	.06
SEP										
18...	--	--	--	--	--	--	--	--	--	--

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, INOR- GANIC, TOTAL (MG/L AS C) (00685)
OCT				
03...	.02	--	--	--
25...	--	61	13	48
NOV				
28...	.05	--	--	--
FEB				
05...	.01	--	--	--
APR				
03...	.04	--	--	--
MAY				
22...	--	--	32	--
29...	.03	--	--	--
JUL				
24...	.05	--	--	--

WITHLACOOCHIEE RIVER BASIN

02311500 WITHLACOOCHIEE RIVER NEAR DADE CITY, FL

LOCATION.--Lat 28°21'08", long 82°07'34", in SE¼ sec.32, T.24 S., R.22 E., Pasco County, Hydrologic Unit 03010208, at gaging station near left bank on downstream side of Lanier Bridge on River Road, 4 mi (6 km) east of Dade City and 110 mi (177 km) upstream from mouth.

DRAINAGE AREA.--390 mi² (1,000 km²), approximately.

PERIOD OF RECORD.--Water years 1958-61, 1963, 1966 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1966 to March 1971, November 1972 to current year.

WATER TEMPERATURE: July 1966 to March 1971, November 1972 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 437 micromhos May 1, 1976; minimum daily, 45 micromhos Sept. 17, 18, 1968.

WATER TEMPERATURE: Maximum daily, 34.0°C July 9, 1969; minimum daily, 6.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 409 micromhos Dec. 21; minimum daily, 51 micromhos Sept. 30.

WATER TEMPERATURE: Maximum daily, 30.0°C July 28, Aug. 15; minimum daily, 10.0°C Jan. 4, Feb. 8.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) * WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	389	391	316	209	185	170	349	181	343	107	87
2	299	393	396	313	207	182	175	349	192	344	112	89
3	310	375	397	312	202	179	180	345	200	341	117	88
4	311	394	397	282	204	173	185	350	214	341	122	86
5	307	385	396	302	203	165	190	350	226	336	125	85
6	315	386	396	297	208	140	195	355	235	342	128	85
7	323	390	397	308	210	140	203	350	244	348	132	83
8	327	397	385	308	212	143	210	305	260	360	134	81
9	330	389	386	332	212	130	216	248	272	371	136	79
10	336	398	384	333	215	120	225	260	271	390	127	78
11	335	397	390	342	217	105	232	260	284	390	128	78
12	334	400	395	321	223	110	239	251	294	364	128	88
13	335	403	400	288	227	104	245	210	305	357	130	79
14	340	397	402	314	229	104	250	175	316	282	128	80
15	343	387	405	313	220	102	255	146	326	216	127	74
16	355	404	405	322	224	105	260	132	336	176	94	71
17	355	402	404	319	227	107	271	130	346	155	88	69
18	360	402	405	332	228	110	270	115	354	132	84	67
19	361	402	406	327	231	115	275	365	362	122	82	66
20	363	408	406	324	232	118	304	142	370	113	80	68
21	364	407	409	294	229	122	305	200	378	112	72	68
22	365	406	407	280	237	128	305	200	391	110	75	68
23	357	404	405	258	238	128	304	165	389	106	78	78
24	375	403	404	242	239	132	310	138	370	102	81	65
25	375	392	395	233	223	138	315	130	384	98	84	64
26	378	404	400	231	216	140	320	134	389	98	82	62
27	380	405	390	228	211	145	332	142	368	97	81	61
28	380	402	380	225	202	150	345	150	358	98	83	58
29	383	386	354	222	---	165	347	156	357	99	84	55
30	385	388	336	212	---	161	348	160	343	101	87	51
31	389	---	340	213	---	165	---	170	---	104	88	---
TOTAL	10753	11895	12163	8943	6135	4211	7781	6932	9315	6948	3204	2211
MEAN	347	397	392	288	219	136	259	224	311	224	103	74
MAX	389	408	409	342	239	185	348	365	391	390	136	89
MIN	283	375	336	212	202	102	170	115	181	97	72	51

WTR YR 1979 TOTAL 90491 MEAN 248 MAX 409 MIN 51

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHEE RIVER BASIN

02311500 WITHLACOOCHEE RIVER NEAR DADE CITY, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	22.0	22.0	20.0	12.0	17.0	22.0	24.0	27.0	28.5	28.0	26.0
2	28.0	23.0	23.0	16.0	11.0	18.5	23.0	24.0	28.0	29.0	28.0	27.0
3	27.0	23.0	23.5	12.0	15.0	20.0	22.0	26.0	27.5	28.0	28.0	25.0
4	27.0	22.0	24.0	10.0	13.0	20.0	23.0	26.0	27.0	28.0	26.0	27.0
5	27.0	23.0	22.0	12.0	12.0	20.5	24.0	25.0	28.0	28.0	27.0	27.5
6	26.0	21.0	22.0	14.0	15.0	15.0	23.0	25.0	28.0	28.5	27.0	28.0
7	25.0	21.5	22.0	20.0	12.0	17.0	22.0	24.0	28.0	28.0	26.0	28.0
8	24.5	22.0	23.0	15.0	10.0	17.0	21.0	23.0	28.5	28.5	26.0	28.0
9	24.0	22.0	24.0	15.0	13.0	16.5	23.0	24.0	29.0	29.0	26.0	28.0
10	24.0	22.0	26.0	14.0	13.0	16.5	24.0	26.0	28.0	29.0	27.0	27.0
11	25.0	23.0	27.0	15.0	13.0	16.0	24.0	26.0	28.0	28.0	24.0	26.0
12	25.0	22.0	26.0	16.0	13.5	20.0	25.0	25.0	26.0	28.0	24.0	27.0
13	25.0	21.0	17.0	18.0	14.0	20.0	26.0	26.0	25.0	29.0	24.0	27.0
14	25.0	23.0	17.5	17.0	15.0	19.0	25.5	26.0	26.0	29.0	27.0	27.0
15	23.0	25.0	18.0	15.0	16.0	20.0	25.0	24.0	28.0	29.0	30.0	25.0
16	24.0	24.0	24.0	15.0	18.0	19.5	23.5	25.0	26.0	27.0	26.0	26.0
17	23.0	22.0	20.0	16.0	16.0	20.0	22.0	24.0	27.0	27.0	28.0	27.0
18	23.0	23.5	18.0	15.0	18.0	20.0	22.0	23.0	27.0	26.0	28.0	28.0
19	23.0	25.0	18.0	17.0	17.0	24.0	26.0	23.0	29.0	27.0	28.0	27.0
20	23.0	26.0	19.0	19.0	18.0	20.0	22.0	23.0	29.0	27.0	24.0	27.0
21	25.0	26.0	20.0	15.0	19.0	20.0	22.0	22.0	29.0	27.5	27.0	27.0
22	24.0	22.0	20.5	15.0	20.0	22.0	21.5	23.0	25.0	28.0	26.0	27.0
23	23.0	23.0	20.5	16.0	20.0	20.0	22.0	22.5	28.0	28.0	26.0	29.0
24	24.0	22.0	21.0	15.0	20.0	20.0	23.0	23.0	28.0	28.0	26.0	26.0
25	23.0	22.5	21.0	12.0	17.0	19.0	21.5	23.0	28.0	28.0	24.0	27.0
26	24.0	23.0	17.0	13.0	15.0	17.0	21.5	23.0	28.0	28.0	26.0	26.0
27	25.0	21.0	16.5	13.5	15.0	17.5	22.5	23.0	28.0	29.0	27.0	26.0
28	25.0	23.0	16.0	14.0	16.0	18.0	24.0	24.0	28.0	30.0	27.0	26.0
29	27.0	23.0	17.0	13.0	---	22.0	23.5	25.0	28.0	29.5	28.0	26.0
30	25.5	22.5	17.0	13.0	---	21.0	23.5	26.0	28.0	29.0	27.0	27.0
31	24.0	---	18.0	12.0	---	22.0	---	27.0	---	24.0	26.0	---
TOTAL	768.0	684.0	640.5	462.5	426.5	595.0	693.0	753.5	828.0	869.5	822.0	805.5
MEAN	25.0	23.0	20.5	15.0	15.0	19.0	23.0	24.5	27.5	28.0	26.5	27.0
MAX	28.0	26.0	27.0	20.0	20.0	24.0	26.0	27.0	29.0	30.0	30.0	29.0
MIN	23.0	21.0	16.0	10.0	10.0	15.0	21.0	22.0	25.0	24.0	24.0	25.0
WTR YR 1979 TOTAL	8348.0		MEAN	23.0	MAX	30.0	MIN	10.0				

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02311500 - WITHLACOOCHIE RIVER NR DADE CITY, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
NOV										
08...	--	.01	.00	.01	.02	.33	.35	.36	1.6	.02
JAN										
30...	--	.00	.01	.01	.01	2.7	2.7	2.7	12	.04
MAR										
21...	--	.01	.01	.02	.00	1.0	1.0	1.0	4.5	.03
MAY										
23...	114	.02	.02	.04	.01	1.4	1.4	1.4	6.4	--
JUL										
09...	--	.00	.01	.01	.03	.85	.88	.89	3.9	.03
SEP										
19...	328	.01	.02	.03	.00	1.1	1.1	1.1	5.0	.11
27...	--	--	--	--	--	--	--	--	--	--

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV			
08...	.01	--	--
JAN			
30...	.02	--	--
MAR			
21...	.02	--	--
MAY			
23...	.04	90	41
JUL			
09...	.01	--	--
SEP			
19...	.08	90	38

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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WITHLACOOCHIEE RIVER BASIN

02313000 WITHLACOOCHIEE RIVER NEAR HOLDER, FL
(National stream-quality accounting network station)

LOCATION.--Lat 28°59'19", long 82°20'59", in NW¼ sec.30, T.17 S., R.20 E., Marion County, Hydrologic Unit 03100208, at gaging station near right bank on downstream side of bridge on State Highway 200, 4.5 mi (7.2 km) northeast of Holder and 38 mi (61 km) upstream from mouth.

DRAINAGE AREA.--1,825 mi² (4,730 km²), approximately.

PERIOD OF RECORD.--Water years 1950-52, 1954 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1950 to December 1951, October 1962 to current year.

WATER TEMPERATURE: January 1950 to December 1951, October 1962 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 575 micromhos Aug. 9, 1963; minimum daily, 120 micromhos Aug. 29, 1968.

WATER TEMPERATURE: Maximum daily, 33.0°C July 17, 1950; minimum daily, 5.0°C Jan. 10, 1970, Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 385 micromhos Jan 22; minimum daily, 136 micromhos Sept. 30.

WATER TEMPERATURE: Maximum daily, 29.0°C many days in July and August; minimum daily, 12.0°C Feb. 2.

REVISED RECORDS.--WRD FL 1972: Drainage area.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	290	281	304	300	350	290		257	282	257	226
2	274	289	287	300	379	350	290		258	278	261	226
3	275	290	293	309	374	351	290		255	254	243	225
4	276	290	290	318	300	357	252		257	279	251	185
5	275	290	288	319	376	359	260		265	255	224	192
6	280	290	288	300	374	355	295		265	282	223	179
7	275	286	289	300	371	344	255		267	258	226	226
8	385	293	288	301	299	344	290		262	275	236	227
9	288	291	285	299	366	344	292		271	281	224	226
10	287	289	286	339	363	344	290		235	256	241	174
11	285	285	290	300	301	359	265		272	264	242	171
12	290	289	290	299	362	358	250		256	278	224	173
13	293	289	295	354	301	356	291		258	272	223	169
14	284	287	297	298	364	355	270		272	261	251	228
15	287	290	300	301	364	289	260		263	262	224	168
16	287	285	298	346	363	297	270		268	266	224	163
17	280	282	306	362	301	354	270		259	265	224	154
18	294	283	300	354	359	355	290		266	264	222	230
19	290	290	300	299	301	347	260		258	264	241	164
20	290	315	340	300	301	354	290		285	265	240	179
21	291	286	296	374	361	330	270		285	264	224	169
22	293	291	298	385	359	355	290		287	266	224	181
23	290	290	299	382	354	265	290		287	264	224	157
24	290	290	300	364	355	259	275		259	264	224	172
25	295	286	300	374	353	249	290		286	266	224	151
26	295	290	300	378	353	354	290		287	264	225	157
27	286	292	301	302	355	241	270		287	264	220	141
28	285	295	295	379	352	245	260		289	267	225	149
29	297	290	295	298	---	246	264		287	266	225	142
30	311	283	310	382	---	231	275		286	267	224	136
31	291	---	296	299	---	235	---		---	264	222	---
TOTAL	8989	8686	9181	10219	9661	9932	8294		8089	8277	7162	5440
MEAN	290	290	296	330	345	320	276		270	267	231	181
MAX	385	315	340	385	379	359	295		289	282	261	230
MIN	270	282	281	298	299	231	250		235	254	220	136

WTR YR 1979 TOTAL 93930 MEAN 281 MAX 385 MIN 136

PEACE, WITHLACOOCHIEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHIEE RIVER BASIN

02313000 WITHLACOOCHIEE RIVER NEAR HOLDER, FL
(National stream-quality accounting network station)

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	22.0	23.0	19.0	13.0	16.5	22.0		25.0	28.0	29.0	28.5
2	25.0	22.0	22.0	19.5	12.0	18.0	22.0		25.5	28.5	28.5	28.5
3	25.0	20.0	22.5	15.0	12.5	19.0	22.5		26.0	29.0	28.0	28.5
4	25.0	20.0	23.0	13.0	14.0	19.5	23.0		26.0	29.0	28.5	26.5
5	25.0	19.0	23.0	13.0	14.5	20.0	24.0		27.0	28.5	28.5	26.0
6	25.0	19.5	21.5	13.0	14.5	20.5	22.5		27.0	29.0	28.5	26.5
7	25.0	20.5	22.0	16.0	16.5	18.5	21.0		27.0	29.0	28.0	27.0
8	22.0	22.0	23.0	17.5	15.5	18.0	22.0		27.5	29.0	28.0	27.5
9	22.0	22.0	23.0	16.0	15.0	18.0	22.0		27.0	29.0	28.5	27.5
10	22.0	22.0	20.0	15.0	13.5	18.0	23.0		25.5	28.5	28.5	27.5
11	23.0	22.5	19.5	14.5	13.5	18.0	23.5		27.0	29.0	28.5	27.5
12	24.0	21.5	17.5	16.0	13.5	18.5	24.5		27.0	29.0	28.0	27.5
13	24.0	21.5	17.5	17.5	14.0	18.0	25.0		26.0	29.0	27.5	27.5
14	25.0	22.0	16.0	17.0	14.5	18.5	25.0		25.5	29.0	27.0	27.5
15	20.0	23.0	16.0	15.0	15.0	19.0	25.5		25.0	29.0	27.0	27.0
16	20.0	23.0	17.5	14.5	16.5	18.5	25.5		25.0	29.0	27.5	26.5
17	20.0	23.0	18.0	16.0	16.5	19.0	24.5		25.5	29.0	27.5	26.5
18	20.0	23.0	16.5	16.5	17.0	19.0	24.0		26.0	27.5	27.5	26.5
19	20.0	23.0	16.0	17.0	16.5	19.0	24.5		26.5	28.0	27.5	27.0
20	21.0	23.0	17.5	17.0	17.0	19.5	25.0		27.0	28.5	28.5	27.0
21	21.0	22.5	17.0	18.5	18.0	20.0	24.5		27.0	28.5	28.5	27.0
22	22.0	22.5	18.5	16.0	19.0	20.0	24.5		27.0	28.5	28.5	27.0
23	22.0	22.5	17.5	15.0	19.5	21.0	24.0		27.0	28.5	28.5	26.5
24	22.0	22.5	19.0	16.5	19.5	21.0	24.0		24.0	28.5	27.5	26.5
25	22.0	22.0	19.0	14.0	19.5	20.0	24.5		27.5	28.0	27.5	26.0
26	22.0	21.0	18.0	13.5	18.0	18.0	23.5		28.0	29.0	28.0	26.0
27	23.0	21.0	17.5	14.5	16.0	18.0	24.0		27.5	29.0	28.0	26.5
28	24.0	21.0	16.5	13.5	16.0	18.5	24.5		27.0	29.0	28.0	26.5
29	25.0	22.0	16.5	13.0	---	19.0	25.0		27.5	29.0	28.5	26.0
30	24.0	22.0	17.0	13.0	---	19.5	25.0		27.5	29.0	28.5	26.0
31	25.0	---	18.0	13.5	---	20.5	---		---	28.5	28.0	---
TOTAL	710.0	653.5	589.5	479.0	440.5	588.5	714.5		794.0	890.0	870.0	808.5
MEAN	23.0	22.0	19.0	15.5	15.5	19.0	24.0		26.5	28.5	28.0	27.0
MAX	25.0	23.0	23.0	19.5	19.5	21.0	25.5		28.0	29.0	29.0	28.5
MIN	20.0	19.0	16.0	13.0	12.0	16.5	21.0		24.0	27.5	27.0	26.0
WTR YR 1979	TOTAL	7538.0		MEAN	22.5	MAX	29.0		MIN	12.0		

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02313000 - WITHLACOOCHIE RIVER NR HOLDER, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT										
27...	1.36	370	310	7.9	24.0	1.0	6.7	78	--	40
NOV										
28...	1.07	250	298	7.6	21.5	.00	7.2	80	--	15
DEC										
27...	1.19	326	295	7.5	17.0	1.0	7.2	--	--	30
JAN										
23...	1.80	480	398	7.4	15.5	1.0	7.8	77	--	20
FEB										
28...	2.30	608	345	7.4	16.0	3.0	7.5	75	--	20
MAR										
30...	3.50	870	245	7.2	21.5	2.0	4.4	49	--	45
APR										
11...	2.84	780	272	7.2	23.0	2.0	3.7	42	--	40
MAY										
16...	5.13	1420	232	7.2	24.0	1.0	3.8	44	.5	25
JUN										
26...	2.43	640	288	7.3	27.0	1.0	4.2	52	--	25
JUL										
26...	2.43	520	275	7.7	29.0	1.0	5.3	68	--	20
AUG										
22...	2.70	700	243	7.4	28.0	1.0	3.4	43	.9	75
SEP										
12...	3.80	990	770	7.1	27.0	1.0	2.5	31	--	25

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
OCT										
27...	15	140	24	50	4.7	4.4	6	.2	--	.1
NOV										
28...	45	140	30	49	4.3	4.6	7	.2	--	.1
DEC										
27...	40	150	42	52	5.3	4.4	6	.2	--	.1
JAN										
23...	20	180	70	61	6.7	5.3	6	.2	--	.9
FEB										
28...	80	170	61	60	5.2	6.4	7	.2	--	1.0
MAR										
30...	15	100	26	37	2.6	7.0	13	.3	--	.4
APR										
11...	260	130	34	44	4.0	7.4	11	.3	--	.3
MAY										
16...	120	120	44	42	3.8	3.9	7	.2	--	.2
JUN										
26...	110	140	30	49	4.2	5.6	8	.2	--	.3
JUL										
26...	40	130	37	46	4.5	5.1	8	.2	5.5	.4
AUG										
22...	45	120	27	42	3.7	4.8	8	.2	5.3	.5
SEP										
12...	55	86	22	30	2.6	4.6	10	.2	5.1	.5

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02313000 - WITHLACOOCHIEE RIVER NR HOLDER, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)
OCT 27...	120	25	7.6	.1	6.3	176	170	.24	176	.13
NOV 28...	110	25	7.3	.1	6.8	183	163	.25	124	.07
DEC 27...	110	26	7.9	.1	5.7	173	168	.24	152	.09
JAN 23...	110	61	9.8	.1	5.1	234	216	.32	303	.09
FEB 28...	110	42	13	.1	3.8	224	198	.30	368	.10
MAR 30...	77	19	12	.1	5.5	185	130	.25	435	.04
APR 11...	92	21	11	.1	5.3	197	148	.27	415	.10
MAY 16...	77	36	6.7	.1	5.5	182	145	.25	698	.03
JUN 26...	110	18	9.2	.1	8.3	201	161	.27	347	.07
JUL 26...	96	21	8.3	.1	9.2	172	152	.23	241	.10
AUG 22...	93	14	8.7	.1	9.5	176	140	.24	333	.13
SEP 12...	64	7.5	8.2	.1	7.3	157	99	.21	420	.06

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)
OCT 27...	.01	.14	.01	.31	.32	.27	.46	2.0	.02	.02
NOV 28...	.02	.09	.03	.19	.22	.14	.31	1.4	.02	.02
DEC 27...	.00	--	.01	.07	--	.06	--	--	.01	.01
JAN 23...	.01	.10	.02	.46	.48	.36	.58	2.6	.02	.01
FEB 28...	.00	.10	.02	.40	.42	.40	.52	2.3	.02	.02
MAR 30...	.01	.05	.01	1.0	1.0	1.0	1.0	4.7	.03	.03
APR 11...	.01	.11	.02	.81	.83	.80	.94	4.2	.04	.03
MAY 16...	.01	.04	.03	.40	.43	.43	.47	2.1	.04	.04
JUN 26...	.00	.07	.02	.56	.58	.59	.65	2.9	.04	.03
JUL 26...	.00	.10	.01	.72	.73	.95	.83	3.7	.04	.03
AUG 22...	.01	.14	.01	1.3	1.3	.65	1.4	6.4	.05	.05
SEP 12...	.01	.07	.01	1.3	1.3	1.2	1.3	6.1	.07	.07

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN) (01054)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG) (71895)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE) (01147)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE) (01146)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG) (01076)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)
OCT 27...	--	--	--	--	--	--	--	--	--	--	--
NOV 28...	0	10	<.5	.0	<.5	0	0	0	0	0	0
DEC 27...	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--
FEB 28...	20	0	<.5	.0	<.5	0	0	0	0	0	0
MAR 30...	--	--	--	--	--	--	--	--	--	--	--
APR 11...	--	--	--	--	--	--	--	--	--	--	--
MAY 16...	10	0	<.5	.0	<.5	0	0	0	0	0	0
JUN 26...	--	--	--	--	--	--	--	--	--	--	--
JUL 26...	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	0	10	<.5	.0	<.5	0	0	0	1	1	0
SEP 12...	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN) (01091)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00683)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	CARBON, INOR- GANIC, TOTAL (MG/L AS C) (00685)
OCT 27...	--	--	--	38	9.0	--	--	--	--	29
NOV 28...	20	20	0	--	--	--	--	--	--	--
DEC 27...	--	--	--	--	3.5	--	--	--	--	--
JAN 23...	--	--	--	--	6.9	--	--	--	--	--
FEB 28...	30	10	20	--	--	4	12	--	.400	--
MAR 30...	--	--	--	--	27	--	--	--	--	--
APR 11...	--	--	--	--	21	--	--	--	--	--
MAY 16...	30	0	40	--	--	--	43	.1	.160	--
JUN 26...	--	--	--	--	15	--	--	--	--	--
JUL 26...	--	--	--	--	7.1	--	--	--	--	--
AUG 22...	140	130	7	--	18	--	--	.3	.160	--
SEP 12...	--	--	--	--	38	--	--	--	--	--

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70958)	SEDI- MENT, DIS- CHARGE, SUS- PENDEO (MG/L) (80154)	SEDI- MENT DIS- CHARGE, SUS- PENDEO (T/DAY) (80155)
NOV 28...	97	--	--	--	--	2	1.3
FEB 28...	29	--	.160	.790	.000	1	1.6
MAY 16...	0	62.0	.080	1.29	.350	3	12
JUN 26...	120	--	--	--	--	2	3.5
JUL 26...	210	--	--	--	--	2	2.8
AUG 22...	3900	104	.080	.770	.010	2	3.8

02313230 WITHLACOOCHEE RIVER AT INGLIS DAM, NEAR DUNNELLON, FL

REVISED RECORDS.--WRD FL 1972: Drainage area.

[illegible]

02313230 WITHLACOOCHEE RIVER AT INGLIS DAM, NEAR DUNNELLON, FL

[illegible]

02313231 WITHLACOOCHEE RIVER BELOW INGLIS DAM, NEAR DUNNELLON, FL.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1963-64, 1966 to current year.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: March 1970 to current year (weekly).

WATER TEMPERATURE: March 1970 to current year (weekly).

REVISED RECORDS.--WRD FL 1972: Drainage area.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

[illegible]

02313231 WITHLACOOCHEE RIVER BELOW INGLIS DAM, NEAR DUNNELLON, FL

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---		---	---	---	---	---	29.0	---
2	26.0	---	---	---		---	---	---	---	28.0	---	---
3	---	---	---	---		---	23.0	---	---	---	---	---
4	---	---	22.5	15.5		---	---	---	27.0	---	---	27.0
5	---	---	---	---		---	---	---	---	---	---	---
6	---	---	---	---		---	---	---	---	---	26.0	---
7	---	---	---	---		---	---	---	---	---	---	---
8		23.0	---	---		---	---	25.0	---	---	---	---
9	23.5	---	---	13.0		---	---	---	---	---	---	---
10	---	---	---	---		---	23.0	---	---	30.0	---	29.0
11	---	---	---	---		---	---	---	---	---	---	---
12	---	---	17.0	---		---	---	---	---	---	---	---
13	---	---	---	---		---	---	---	---	---	27.0	---
14	---	---	---	---		17.5	---	29.0	---	---	---	---
15	---	29.0	---	14.0		---	---	---	28.0	---	---	---
16	23.0	---	---	---		---	---	---	---	29.0	---	---
17	---	---	---	---		---	---	---	---	---	---	---
18	---	---	17.0	---		---	26.0	---	---	---	---	---
19	---	---	---	---		---	---	---	---	---	---	---
20	---	25.0	---	---		---	---	---	---	---	---	---
21	---	---	---	---		---	---	25.0	---	---	27.0	---
22	---	---	---	14.0		20.0	---	---	---	---	---	---
23	---	---	---	---		---	---	---	---	---	---	---
24	---	---	---	---		---	---	---	---	---	---	---
25	---	---	---	---		---	25.5	---	---	28.0	---	---
26	23.0	---	---	---		---	---	---	26.5	---	---	---
27	---	23.0	---	---		18.0	---	---	---	---	---	---
28	---	---	---	---		---	---	25.0	---	---	---	---
29	---	---	16.0	---		---	---	---	---	---	29.0	---
30	---	---	---	---		---	25.0	---	---	---	---	---
31	23.5	---	---	---		---	---	---	---	---	---	---

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02313231 - WITHLACOOCHEE R BL INGLIS DAM NR DUNNELLON, FLA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV 22...	-10.30	355	7.5	22.0	6.1	--	--
JAN 22...	.78	--	6.8	15.0	7.8	--	--
MAR 14...	2.75	318	7.5	18.0	6.1	--	--
MAY 16...	-.55	245	7.3	27.0	5.4	67	.6
JUL 25...	3.35	1380	7.0	30.5	3.2	--	--
SEP 11...	-.10	240	8.1	29.0	7.7	99	1.9

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 16...	10
SEP 11...	9.3

WITHLACOOCHIEE RIVER BASIN

02313250 WITHLACOOCHIEE RIVER BYPASS CHANNEL NEAR INGLIS, FL

LOCATION.--Lat 29°01'15", long 82°38'17", in NE¼ sec.12, T.17 S., R.16 E., Levy County, Hydrologic Unit 03100208, at gaging station on right bank 90 ft (27 m) upstream from control structure, 0.1 mi (0.2 km) upstream from mouth, and 2.0 mi (3.2 km) east of Inglis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1970-71, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1979 to current year.

WATER TEMPERATURE: February 1979 to current year.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEC. C), JANUARY TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	294	290	266	270	245	262	247	233
2				---	296	290	262	250	245	253	247	231
3				---	296	290	258	225	244	253	248	232
4				---	297	290	257	251	245	254	247	232
5				---	298	291	256	251	249	254	298	234
6				---	300	289	257	275	250	251	245	225
7				---	301	290	256	250	250	253	243	223
8				---	299	291	258	275	252	253	237	221
9				---	300	290	307	245	254	285	239	219
10				---	302	290	259	242	272	250	234	216
11				---	303	290	257	240	305	250	234	212
12				---	300	295	257	245	244	249	242	210
13				---	300	295	257	245	260	244	233	212
14				---	298	295	255	241	259	244	236	209
15				---	296	303	254	240	256	245	236	206
16				---	295	303	256	231	271	246	282	202
17				---	295	304	256	225	257	246	300	198
18				---	299	307	255	230	255	249	301	199
19				---	297	309	254	236	257	248	301	198
20				---	295	308	256	240	256	249	296	197
21				---	296	308	255	245	244	243	290	195
22				---	294	306	305	245	254	309	251	193
23				---	295	302	256	246	257	320	239	191
24				---	300	302	310	249	257	281	236	188
25				---	300	300	260	249	258	250	233	190
26				---	300	293	255	252	258	284	233	180
27				---	296	286	250	254	258	289	248	165
28				275	296	284	250	252	261	540	244	162
29				284	---	277	250	253	260	278	234	156
30				290	---	272	248	254	259	271	234	155
31				293	---	268	---	250	---	246	236	---
TOTAL				1142	8338	9108	7832	7656	7692	8349	7824	6084
MEAN				286	298	294	261	247	256	269	252	203
MAX				293	303	309	310	275	305	540	301	234
MIN				275	294	268	248	225	244	243	233	155
WTR YR 1979	TOTAL	64025	MEAN	260	MAX	540	MIN	155				

PEACE, WITHLACOOCHEE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

WITHLACOOCHEE RIVER BASIN

02313250 WITHLACOOCHEE RIVER BYPASS CHANNEL NEAR INGLIS, FL

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					12.0	16.5	21.5	24.5	26.0	28.5	30.0	27.5
2					12.0	16.0	22.5	24.0	27.0	29.0	30.0	28.0
3					12.0	18.0	23.0	24.0	28.0	29.5	30.0	27.0
4					13.0	18.5	23.5	25.0	28.0	30.0	30.5	26.5
5					13.5	19.0	24.0	26.0	28.5	30.0	30.5	26.0
6					13.5	19.5	22.5	26.5	28.5	30.5	29.5	26.5
7					14.0	18.5	22.5	26.5	29.0	30.5	29.5	28.0
8					14.5	18.0	22.5	25.5	29.5	30.0	29.0	29.0
9					15.0	18.0	22.5	25.0	29.0	30.0	29.0	29.0
10					14.5	18.0	23.0	25.5	28.0	30.0	28.5	28.5
11					14.0	19.0	24.0	26.5	28.0	30.5	28.5	28.0
12					14.0	18.0	24.5	27.0	28.0	30.5	27.5	27.5
13					14.0	18.0	25.0	27.5	27.0	30.5	26.5	28.0
14					14.5	18.5	25.0	28.0	26.0	31.0	27.0	28.0
15					15.5	19.0	25.5	27.5	25.5	31.0	28.0	28.0
16					16.5	18.5	25.0	27.0	25.0	31.0	28.5	27.0
17					17.0	18.5	24.0	26.5	26.0	30.5	29.0	27.5
18					17.0	18.0	24.0	25.0	27.0	29.5	29.0	27.5
19					16.5	19.0	24.5	24.0	27.5	29.5	29.0	28.0
20					16.0	19.5	24.5	24.5	28.5	29.5	29.0	28.0
21					16.5	20.5	24.0	25.0	28.5	29.5	29.5	28.0
22					17.0	21.5	24.5	25.5	28.0	29.0	30.0	27.5
23					18.0	22.0	24.0	26.5	28.5	29.0	29.0	27.0
24					20.0	21.0	23.0	26.5	29.0	29.0	27.5	27.0
25					20.5	20.0	23.0	26.5	29.5	28.5	27.0	27.0
26					18.0	18.5	23.5	25.0	29.5	29.0	27.5	26.0
27					16.0	18.0	23.5	24.0	29.0	29.0	28.0	26.0
28					16.0	18.0	23.0	25.0	28.5	29.5	28.0	26.0
29					---	19.5	23.5	25.5	28.0	30.0	28.0	27.0
30					---	20.0	24.0	26.0	28.0	30.0	29.0	27.0
31					---	20.5	---	26.0	---	30.0	29.0	---
TOTAL					431.0	585.5	709.5	797.5	836.5	924.0	891.0	822.0
MEAN					15.5	19.0	23.5	25.5	28.0	30.0	28.5	27.5
MAX					20.5	22.0	25.5	28.0	29.5	31.0	30.5	29.0
MIN					12.0	16.0	21.5	24.0	25.0	28.5	26.5	26.0
WTR YR 1979	TOTAL	5997.0	MEAN	25.0	MAX	31.0	MIN	12.0				

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

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02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV 21...	27.22	890	380	7.6	21.5	--	1.0	5.4	60	--
JAN 22...	27.18	1080	275	7.8	16.0	--	1.0	7.8	78	--
MAR 14...	26.92	1420	300	7.6	19.0	--	1.0	8.3	88	--
MAY 16...	26.87	1480	216	7.2	26.0	35	1.0	4.8	58	.4
JUL 25...	27.22	1050	252	6.6	28.5	--	1.0	4.6	58	--
SEP 10...	26.74	1580	222	7.1	28.0	70	2.0	4.6	58	.9

DATE	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE AS HC03) (00440)
NOV 21...	--	--	--	--	--	--	--	--	--	--
JAN 22...	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--
MAY 16...	110	21	38	3.9	3.5	6	.1	--	.1	110
JUL 25...	--	--	--	--	--	--	--	--	--	--
SEP 10...	110	22	36	3.7	4.1	8	.2	4.5	.4	--

DATE	CAR- BONATE (MG/L AS C03) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02) (00405)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
NOV 21...	--	--	--	--	--	--	--	--	--	--
JAN 22...	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--
MAY 16...	0	90	11	20	6.0	.1	6.0	154	132	.21
JUL 25...	--	--	--	--	--	--	--	--	--	--
SEP 10...	--	83	--	11	6.8	.1	8.0	163	120	.22

DAILY MEASUREMENTS AND NATIONAL STREAM
QUALITY ACCOUNTING NETWORK DATA

02313250 - WITHLACOOCHIEE R BYPASS CHANNEL NR INGLIS FLA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
NOV 21...	--	.07	.01	.08	.03	.27	.30	.38	1.7	.04
JAN 22...	--	.15	.01	.16	.06	.13	.19	.35	1.5	.04
MAR 14...	--	.10	.01	.11	.05	.54	.59	.70	3.1	.05
MAY 16...	615	.02	.01	.03	.06	.48	.54	.57	2.5	.04
JUL 25...	--	.04	.00	.04	.05	.62	.67	.71	3.1	.05
SEP 10...	695	.13	.01	.14	.08	.77	.85	.99	4.4	.07

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--

NOV 21...	.02	--	--
JAN 22...	.02	--	--
MAR 14...	.02	--	--
MAY 16...	.02	200	17
JUL 25...	.01	--	--
SEP 10...	.04	170	15

DATE	CHLORO- PHYLL A PHYTO- PLANK- TON, UNCORR. (UG/L) (32230)	CHLOR-A PHYTO- PLANK- TON, CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON, CHROMO FLUOROM (UG/L) (70954)	CHLORO- PHYLL B PHYTO- PLANK- TON, UNCORR. (UG/L) (32231)
NOV 21...	.000	.000	.000	.000
JAN 22...	--	.000	.000	--
MAR 14...	--	6.96	.000	--
MAY 16...	--	.000	.000	--
JUL 25...	--	.000	.000	--
SEP 10...	--	.000	.000	--

SURFACE WATER QUALITY RECORDS

Temperature, Conductance and Chloride Data

Data in this section include the following parameters:

Temperature
Specific Conductance
Chloride, dissolved

The following remarks codes may appear with the data in this section:

E Estimated value
< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown
M Presence of material verified but not quantified
N Presumptive evidence of presence of material
ND Material specifically analyzed for but not detected
K Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
TEMPERATURE, CONDUCTANCE
AND CHLORIDE DATA

DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)							
OCT , 1978				MAY , 1979			
30...	24.5	351	28	25...	24.5	235	20
02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)							
OCT , 1978							
25...	23.0	482	20				
02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)							
OCT , 1978							
24...	25.5	185	16				
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)							
OCT , 1978				JUN , 1979			
03...	26.0	335	18	05...	27.5	310	19
31...	24.0	395	18	JUL			
NOV				02...	28.5	326	19
28...	21.0	485	22	AUG			
JAN , 1979				01...	31.0	285	20
03...	10.0	440	22	SEP			
FEB				04...	27.0	165	16
28...	16.0	322	23				
MAY							
02...	27.0	460	19				
02297000 - 10D JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)							
MAY , 1979				JUN , 1979			
16...	26.5	690	76	13...	29.0	735	97
02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)							
OCT , 1978							
25...	22.5	237	19				
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)							
OCT , 1978				MAY , 1979			
03...	27.0	139	10	02...	23.0	254	23
31...	--	182	13	JUN			
NOV				05...	28.5	320	21
28...	--	--	16	26...	29.5	297	20
JAN , 1979				AUG			
03...	14.0	341	17	01...	31.0	150	15
30...	13.5	140	14	SEP			
MAR				05...	26.0	100	10
06...	21.0	230	17				
APR							
03...	23.5	235	20				
02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)							
OCT , 1978							
26...	23.0	118	10				
02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)							
OCT , 1978							
24...	22.5	191	13				
02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)							
OCT , 1978							
23...	24.0	692	45				

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
TEMPERATURE, CONDUCTANCE
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DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
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02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978
26... 24.0 330 14

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978	MAY , 1979
03... 27.5 440 29	02... 24.5 542 36
31... 25.5 565 37	JUN
NOV	05... 27.0 420 25
28... -- -- 32	26... 27.5 541 33
JAN , 1979	AUG
03... 15.0 290 29	01... 28.0 540 35
30... 14.0 460 30	SEP
MAR	05... 25.5 260 18
06... 18.5 268 21	
APR	
03... 23.5 540 29	

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978	MAY , 1979
27... 23.0 510 25	23... 25.0 210 13

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

OCT , 1978
23... 26.0 389 23

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978	MAY , 1979
04... 24.5 390 12	02... 22.0 332 9.2
NOV	JUN
01... 23.0 330 12	04... 25.5 300 11
27... 21.8 210 9.5	26... 24.5 339 8.9
JAN , 1979	AUG
03... 16.5 300 17	01... 26.0 270 11
30... 14.7 310 15	28... 26.0 159 8.8
MAR	
06... 18.5 188 12	
27... 22.5 313 14	

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979
07... -- -- 9.7

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978	MAY , 1979
26... 25.0 565 56	25... 25.0 195 17

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978	MAY , 1979
26... 25.0 340 27	25... 27.0 275 26

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978
23... 23.0 384 12

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

FEB , 1979
16... 15.5 195 30

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DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)		DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)								
OCT , 1978								
24...	21.5	262	15					
02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)								
OCT , 1978								
24...	24.0	379	13					
02304510 - HILLSBOROUGH RIVER AT 22ND ST NR TAMPA, FLA (LAT 28 01 15 LONG 082 26 05)								
OCT , 1978					APR , 1979			
10...	25.0	3750	960		10...	24.0	980	190
NOV					MAY			
02...	23.5	13000	4000		04...	27.0	4370	1300
30...	24.5	16000	6900		JUN			
JAN , 1979					06...	27.0	230	16
11...	16.0	--	2600		JUL			
FEB					02...	31.0	330	21
12...	13.5	375	23		31...	31.0	295	17
MAR					SEP			
12...	16.0	172	16		10...	27.0	75	12
02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)								
OCT , 1978								
26...	--	210	18					
02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)								
OCT , 1978								
26...	21.0	278	39					
02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)								
OCT , 1978					MAR , 1979			
11...	24.0	920	230		26...	19.5	935	220
25...	24.0	1010	250		JUN			
DEC					05...	30.0	798	200
07...	23.5	980	250		JUL			
FEB , 1979					31...	30.0	1010	270
02...	13.0	965	210					
02307498 - LAKE TARPON CANAL AT S-551, NR OLDSMAR, FLA. (LAT 28 03 12 LONG 082 42 40.01)								
OCT , 1978					JUN , 1979			
13...	26.0	1180	320		07...	30.0	853	240
DEC					AUG			
04...	24.0	1500	440		01...	30.0	2750	790
MAR , 1979								
26...	19.0	1100	250					
02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)								
FEB , 1979					JUN , 1979			
21...	--	--	1100		19...	26.0	5800	1600
MAY								
22...	25.0	4000	1000					
02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)								
OCT , 1978								
24...	23.0	370	8.1					
02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)								
OCT , 1978								
25...	24.5	292	5.4					

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DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
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02310800 - WITHLACOOCHEE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

JUN , 1979	11...	31.0	103	19	SEP , 1979	19...	26.0	70	12
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02311500 - WITHLACOOCHEE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

MAY , 1979	23...	22.5	118	14	SEP , 1979	19...	25.0	66	7.3
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02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979	22...	18.5	185	36
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02312690 - CHITTY CHATY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)

FEB , 1979	21...	16.5	260	29
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02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979	21...	16.5	215	25
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02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978	30...	25.0	250	7.2	MAR , 1979	13...	18.0	290	9.0
NOV	30...	23.5	214	8.1	MAY	15...	26.0	210	7.8
JAN , 1979	18...	15.0	234	8.1	SEP	27...	25.0	225	7.5

02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978	27...	24.0	310	7.6	APR , 1979	11...	23.0	272	11
NOV	28...	21.5	298	7.3	MAY	16...	24.0	232	6.7
DEC	27...	17.0	295	7.9	JUN	26...	27.0	288	9.2
JAN , 1979	23...	15.5	398	9.8	JUL	26...	29.0	275	8.3
FEB	28...	16.0	345	13	AUG	22...	28.0	243	8.7
MAR	30...	21.5	245	12	SEP	12...	27.0	770	8.2

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979	17...	24.0	115	3.2	SEP , 1979	11...	23.5	122	3.0
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02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

MAY , 1979	16...	26.0	216	6.0	SEP , 1979	10...	28.0	222	6.8
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265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979	31...	21.0	450	48
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272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON, FLA (LAT 27 29 35 LONG 082 21 20)								
JAN , 1979								
29...	16.5	129	12					
275011082230600 - BULLFROG C 0.2 MI BL US 41 NR GIBSONTON, FLA 7 (LAT 27 50 11 LONG 082 23 06)								
OCT , 1978					DEC , 1978			
25...	--	--	12000		27...	--	--	1100
NOV								
14...	--	--	13000					
275012082224200 - BULLFROG C 0.5 MI AB US 41 NR GIBSONTON, FLA 4 (LAT 27 50 12 LONG 082 22 42)								
OCT , 1978					DEC , 1978			
25...	--	--	9700		27...	--	--	330
NOV								
14...	--	--	11000					
275012082231800 - BULLFROG C 0.5 MI BL US 41 NR GIBSONTON, FLA 8 (LAT 27 50 12 LONG 082 23 18)								
OCT , 1978					DEC , 1978			
25...	--	--	12000		27...	--	--	1100
NOV								
14...	--	--	14000					
275013082233200 - BULLFROG C 0.8 MI BL US 41 NR GIBSONTON, FLA 9 (LAT 27 50 13 LONG 082 23 32)								
OCT , 1978					DEC , 1978			
25...	--	--	13000		27...	--	--	1900
NOV								
14...	--	--	14000					
275015082225300 - BULLFROG C AT US 41 NR GIBSONTON, FLA 6 (LAT 27 50 15 LONG 082 22 53)								
OCT , 1978					DEC , 1978			
25...	--	--	12000		27...	--	--	520
NOV								
14...	--	--	13000					
275023082211300 - BULLFROG C 2.7 MI AB US 41 NR GIBSONTON, FLA 2AA (LAT 27 50 23 LONG 082 21 13)								
OCT , 1978					DEC , 1978			
25...	--	--	1400		27...	--	--	29
NOV								
14...	20.8	380	45					
275029082214200 - BULLFROG C 2 MI AB US 41 NR GIBSONTON, FLA 2A (LAT 27 50 29 LONG 082 21 42)								
OCT , 1978					DEC , 1978			
25...	--	--	3100		27...	--	--	44
NOV								
14...	--	--	930					
275030082223800 - BULLFROG C 1.0 MI AB US 41 NR GIBSONTON, FLA 3 (LAT 27 50 30 LONG 082 22 38)								
OCT , 1978					DEC , 1978			
25...	--	--	8100		27...	--	--	160
NOV								
14...	--	--	7500					
275038082220300 - BULLFROG C 1.5 MI AB US 41 NR GIBSONTON, FLA 2 (LAT 27 50 38 LONG 082 22 03)								
OCT , 1978					DEC , 1978			
25...	--	--	6100		27...	--	--	71
NOV								
14...	--	--	4600					

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275042082210700 - BULLFROG CREEK AT E BAY RD NR GIBSONTON, FLA 1 (LAT 27 50 42 LONG 082 21 07)							
OCT , 1978				DEC , 1978			
25...	--	--	70	27...	--	--	25
NOV							
14...	--	--	21				
275103082243800 - ALAFIA R 1.8 MI BL US 41 NR GIBSONTON, FLA 1 (LAT 27 51 03 LONG 082 24 38)							
OCT , 1978				JAN , 1979			
24...	--	--	14000	12...	--	--	15000
NOV				26...	--	--	2200
13...	--	--	13000				
275110082235800 - ALAFIA R 1.0 MI BL US 41 NR GIBSONTON, FLA 2 (LAT 27 51 10 LONG 082 23 58)							
OCT , 1978				JAN , 1979			
24...	--	--	13000	26...	--	--	1900
NOV							
13...	--	--	12000				
275118082233200 - ALAFIA R 0.5 MI BL US 41 NR GIBSONTON, FLA 3 (LAT 27 51 18 LONG 082 23 32)							
OCT , 1978				JAN , 1979			
24...	--	--	13000	12...	--	--	9500
NOV				26...	--	--	2400
13...	--	--	14000				
275123082223900 - ALAFIA R 0.5 MI AB US 41 NR GIBSONTON, FLA 4A (LAT 27 51 23 LONG 082 22 39)							
OCT , 1978				JAN , 1979			
24...	--	--	6800	12...	--	--	11000
NOV				26...	--	--	780
13...	--	--	13000				
275125082213700 - ALAFIA R 1.6 MI AB US 41 NR GIBSONTON, FLA 5A (LAT 27 51 25 LONG 082 21 37)							
OCT , 1978				JAN , 1979			
24...	--	--	5800	12...	--	--	8000
NOV				26...	--	--	58
13...	--	--	11000				
275127082210700 - ALAFIA R 2.1 MI AB US 41 NR GIBSONTON, FLA 6 (LAT 27 51 27 LONG 082 21 07)							
OCT , 1978				JAN , 1979			
24...	--	--	7100	12...	--	--	7500
NOV				26...	--	--	49
13...	--	--	10000				
275129082220700 - ALAFIA R 1.1 MI AB US 41 NR GIBSONTON, FLA 5 (LAT 27 51 29 LONG 082 22 07)							
OCT , 1978				JAN , 1979			
24...	--	--	6600	12...	--	--	10000
NOV				26...	--	--	230
13...	--	--	13000				
275132082230500 - ALAFIA R AT US 41 AT GIBSONTON, FLA (LAT 27 51 32 LONG 082 23 05)							
OCT , 1978				JAN , 1979			
24...	--	--	8600	12...	--	--	13000
NOV				26...	--	--	1100
13...	--	--	15000				

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275133082204000 - ALAFIA R 2.6 MI AB US 41 NR GIBSONTON, FLA 6A (LAT 27 51 33 LONG 082 20 40)							
OCT , 1978				JAN , 1979			
24...	--	--	4600	12...	--	--	6200
NOV				26...	--	--	39
13...	--	--	9300				
275146082170000 - ALAFIA R 5.2 MI AB US 301 NR RIVERVIEW, FLA 14 (LAT 27 51 46 LONG 082 17 00)							
NOV , 1978							
13...	--	--	32				
275147082200800 - ALAFIA R 3.2 MI AB US 41 NR GIBSONTON, FLA 7 (LAT 27 51 47 LONG 082 20 08)							
OCT , 1978				JAN , 1979			
24...	--	--	3700	12...	--	--	4800
NOV							
13...	--	--	7500				
275152082185300 - ALAFIA R 0.8 MI AB US 301 NR RIVERVIEW, FLA 9 (LAT 27 51 52 LONG 082 18 53)							
OCT , 1978				JAN , 1979			
24...	--	--	1400	12...	--	--	1500
NOV							
13...	--	--	4200				
275201082191500 - ALAFIA R 0.3 MI AB US 301 NR RIVERVIEW, FLA 8A (LAT 27 52 01 LONG 082 19 15)							
OCT , 1978				JAN , 1979			
24...	--	--	1600	12...	--	--	2300
NOV							
13...	--	--	3900				
275207082193500 - ALAFIA R AT US 301 NR RIVERVIEW, FLA 8 (LAT 27 52 07 LONG 082 19 35)							
OCT , 1978				JAN , 1979			
24...	--	--	1500	12...	--	--	2700
NOV							
18...	--	--	5600				
275216082171400 - ALIFIA R 4.5 MI AB US 301 NR RIVERVIEW, FLA 13 (LAT 27 52 16 LONG 082 17 14)							
OCT , 1978				NOV , 1978			
24...	--	--	30	13...	--	--	65
275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)							
APR , 1979							
11...	--	--	150				
275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)							
MAR , 1979				AUG , 1979			
28...	--	--	200	15...	28.0	1300	160
JUN				30...	30.5	1450	170
05...	32.0	560	120	SEP			
05...	30.5	480	81	08...	30.5	1520	180
JUL				23...	27.5	1250	150
16...	31.0	600	140				
275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)							
APR , 1979				JUL , 1979			
05...	--	--	94	16...	31.0	430	100
05...	--	--	200	20...	30.0	2700	120
JUN							
05...	32.0	500	97				

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275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)

JAN , 1979	JUL , 1979
23... 16.5 785 89	12... 32.0 1330 120
APR 05... 26.0 670 94	SEP 27... 27.5 400 68

275242082175300 - ALAFIA R 3.6 MI AB US 301 NR RIVERVIEW, FLA 12 (LAT 27 52 42 LONG 082 17 53)

OCT , 1978	JAN , 1979
24... -- -- 52	12... -- -- 30
NOV 13... -- -- 390	

275253082183700 - ALAFIA R 1.7 MI AB US 301 NR RIVERVIEW, FLA 10 (LAT 27 52 53 LONG 082 18 37)

OCT , 1978	JAN , 1979
24... -- -- 620	12... -- -- 410
NOV 13... -- -- 2400	

275305082182600 - ALAFIA R 2.6 MI AB US 301 NR RIVERVIEW, FLA 11 (LAT 27 53 05 LONG 082 18 26)

OCT , 1978	JAN , 1979
24... -- -- 250	12... -- -- 42
NOV 13... -- -- 1300	

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978	MAY , 1979
27... 25.0 36000 14000	23... 25.0 14500 4400

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978	MAY , 1979
27... 22.5 460 17	23... 25.0 194 12

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978	MAY , 1979
30... 23.0 470 63	25... 23.0 220 12

280038082275400 - HILLSBOROUGH RIVER AT SLIGH AVE AT TAMPA, FLA (LAT 28 00 38 LONG 082 27 54)

OCT , 1978	APR , 1979
10... 27.5 15600 5800	10... 23.5 7400 390
NOV 02... 24.0 16000 5800	MAY 04... 28.0 9500 2800
30... 24.5 16000 8500	JUN 06... 27.0 1100 240
JAN , 1979	JUL 02... 28.0 2000 480
11... 19.5 10800 8200	31... 31.0 1200 450
FEB 12... 15.5 11200 3500	SEP 10... 27.0 217 29
MAR 12... 16.0 218 27	

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 280048082262900 - HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FLA (LAT 28 00 48 LONG 082 26 29)							
OCT , 1978				APR , 1979			
10...	26.0	5000	1100	10...	23.5	1920	500
NOV				MAY			
02...	23.5	15000	4800	04...	27.0	7400	2100
30...	24.0	16000	7000	JUN			
JAN , 1979				06...	28.0	242	17
11...	15.5	8750	2700	JUL			
FEB				02...	30.0	321	22
12...	12.5	380	25	31...	30.0	305	16
MAR				SEP			
12...	15.5	174	16	10...	27.0	148	13
 280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA, FLA (LAT 28 00 57 LONG 082 25 20)							
JAN , 1979							
30...	15.0	340	19				
 280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)							
OCT , 1978				MAY , 1979			
30...	25.0	430	15	24...	25.0	190	13
 280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)							
OCT , 1978				MAY , 1979			
30...	24.0	430	12	25...	25.0	260	9.7
 280229082343400 - ROCKY CREEK LF SW POND (LAT 28 02 29 LONG 082 34 34)							
NOV , 1978							
07...	--	--	260				
 280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)							
OCT , 1978				MAY , 1979			
26...	25.0	355	12	25...	25.0	120	8.5
 280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)							
OCT , 1978				MAY , 1979			
30...	25.0	340	11	25...	24.0	203	11
 284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)							
OCT , 1978				MAR , 1979			
30...	24.0	390	8.1	13...	17.0	345	13
NOV				MAY			
30...	22.0	363	7.8	15...	24.0	290	10
JAN , 1979				SEP			
18...	17.0	390	8.6	27...	23.0	255	8.9
 284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)							
OCT , 1978				MAR , 1979			
30...	25.0	220	8.6	13...	19.0	290	9.2
NOV				MAY			
30...	22.0	225	8.3	15...	28.0	180	7.6
JAN , 1979				SEP			
18...	16.0	245	8.0	27...	27.0	167	8.0

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
TEMPERATURE, CONDUCTANCE
AND CHLORIDE DATA

373

DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
------	--	---	--	------	--	---	--

284828082003101 - INFLOW TO HOG EYE SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979			
21...	17.5	248	32

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

MAY , 1979			
09...	22.5	550	40

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

<table border="0"> <tr> <td>OCT , 1978</td> <td></td> <td></td> <td></td> </tr> <tr> <td>30...</td> <td>23.5</td> <td>312</td> <td>6.9</td> </tr> <tr> <td>NOV</td> <td></td> <td></td> <td></td> </tr> <tr> <td>30...</td> <td>23.0</td> <td>302</td> <td>7.3</td> </tr> <tr> <td>JAN , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>18...</td> <td>19.5</td> <td>345</td> <td>8.6</td> </tr> </table>	OCT , 1978				30...	23.5	312	6.9	NOV				30...	23.0	302	7.3	JAN , 1979				18...	19.5	345	8.6	<table border="0"> <tr> <td>MAR , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13...</td> <td>20.0</td> <td>405</td> <td>10</td> </tr> <tr> <td>MAY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15...</td> <td>24.0</td> <td>280</td> <td>10</td> </tr> <tr> <td>SEP</td> <td></td> <td></td> <td></td> </tr> <tr> <td>27...</td> <td>24.0</td> <td>310</td> <td>12</td> </tr> </table>	MAR , 1979				13...	20.0	405	10	MAY				15...	24.0	280	10	SEP				27...	24.0	310	12
OCT , 1978																																																	
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284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979			
22...	20.0	248	25

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

<table border="0"> <tr> <td>OCT , 1978</td> <td></td> <td></td> <td></td> </tr> <tr> <td>30...</td> <td>24.0</td> <td>210</td> <td>7.0</td> </tr> <tr> <td>DEC</td> <td></td> <td></td> <td></td> </tr> <tr> <td>01...</td> <td>22.0</td> <td>283</td> <td>7.1</td> </tr> <tr> <td>JAN , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>18...</td> <td>21.0</td> <td>334</td> <td>8.1</td> </tr> </table>	OCT , 1978				30...	24.0	210	7.0	DEC				01...	22.0	283	7.1	JAN , 1979				18...	21.0	334	8.1	<table border="0"> <tr> <td>MAR , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13...</td> <td>21.0</td> <td>390</td> <td>10</td> </tr> <tr> <td>MAY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15...</td> <td>24.0</td> <td>272</td> <td>10</td> </tr> <tr> <td>SEP</td> <td></td> <td></td> <td></td> </tr> <tr> <td>27...</td> <td>23.0</td> <td>298</td> <td>12</td> </tr> </table>	MAR , 1979				13...	21.0	390	10	MAY				15...	24.0	272	10	SEP				27...	23.0	298	12
OCT , 1978																																																	
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27...	23.0	298	12																																														

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

<table border="0"> <tr> <td>OCT , 1978</td> <td></td> <td></td> <td></td> </tr> <tr> <td>30...</td> <td>23.5</td> <td>270</td> <td>6.9</td> </tr> <tr> <td>DEC</td> <td></td> <td></td> <td></td> </tr> <tr> <td>01...</td> <td>22.0</td> <td>292</td> <td>7.1</td> </tr> <tr> <td>JAN , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>18...</td> <td>22.0</td> <td>295</td> <td>7.4</td> </tr> </table>	OCT , 1978				30...	23.5	270	6.9	DEC				01...	22.0	292	7.1	JAN , 1979				18...	22.0	295	7.4	<table border="0"> <tr> <td>MAR , 1979</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13...</td> <td>20.0</td> <td>305</td> <td>8.0</td> </tr> <tr> <td>MAY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15...</td> <td>23.0</td> <td>280</td> <td>7.6</td> </tr> </table>	MAR , 1979				13...	20.0	305	8.0	MAY				15...	23.0	280	7.6
OCT , 1978																																									
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15...	23.0	280	7.6																																						

SURFACE WATER QUALITY RECORDS

Field Measurements

Data in this section include the following parameters:

Depth	Elevation
Stream Stage	Streamflow, instantaneous
Ph	Temperature
Transparency	Oxygen, dissolved
Oxygen, dissolved (percent saturation)	Bicarbonate

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (000065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (000061)	PH (UNITS) (000400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE AS (MG/L HC03) (00440)
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02294491 - SADDLE CREEK AT STRUCT P-11 NR BARTOW, FLA. (LAT 27 56 17 LONG 081 51 05)

OCT , 1978											
27...	1345	--	--	10.72	--	7.3	25.0	--	5.1	--	--
NOV											
09...	0945	--	--	10.72	3.1	6.5	21.0	--	1.8	--	--
MAY , 1979											
01...	1533	--	--	10.82	4.6	8.8	29.0	--	11.9	--	--
25...	1050	--	--	14.57	--	8.0	26.0	--	7.8	95	--
JUN											
26...	1125	--	--	10.27	.19	7.4	32.5	--	1.8	--	--

02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)

OCT , 1978											
30...	1020	--	--	3.93	--	6.9	24.5	--	4.5	--	47
NOV											
07...	1415	--	--	3.60	24	7.3	22.0	--	6.0	--	--
JAN , 1979											
03...	1644	--	--	4.28	52	7.1	10.0	--	--	--	--
FEB											
28...	1050	--	--	4.26	50	6.4	15.0	--	6.7	--	--
MAY											
02...	1026	--	--	3.78	37	6.6	24.5	--	4.5	--	--
24...	1010	--	--	7.50	--	6.8	27.0	--	2.8	--	--
25...	0915	--	--	7.55	--	6.9	24.5	--	3.4	40	66
JUN											
26...	1500	--	--	5.18	80	6.4	31.5	--	3.3	44	--
SEP											
07...	0915	--	--	7.62	--	6.8	28.5	--	2.4	30	--

02294898 - PEACE RIVER AT FORT MEADE, FLA. (LAT 27 45 04 LONG 081 46 56)

OCT , 1978											
25...	1200	--	--	70.78	--	7.4	24.0	--	6.6	--	--
NOV											
07...	1040	--	--	70.65	29	7.5	21.5	--	--	--	--
JAN , 1979											
12...	1400	--	--	72.49	174	6.7	18.0	--	5.0	--	--
MAR											
08...	1245	--	--	72.39	172	6.8	19.0	--	6.8	--	--
APR											
24...	1430	--	--	70.62	24	7.2	23.0	--	8.1	--	--
MAY											
23...	1430	--	--	76.84	--	6.7	26.0	--	5.0	61	--
JUN											
28...	1617	--	--	72.18	137	6.9	30.0	--	1.5	--	--
AUG											
29...	1700	--	--	75.35	584	6.6	28.5	--	5.6	--	--

02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)

OCT , 1978											
25...	1050	--	--	5.24	--	7.4	23.0	--	8.4	--	67
NOV											
07...	1730	--	--	5.20	157	7.3	21.0	--	--	--	--
JAN , 1979											
11...	1500	--	--	5.44	188	7.5	18.5	--	7.2	--	--
MAR											
08...	1815	--	--	8.68	817	7.0	18.5	--	8.9	--	--
APR											
26...	1000	--	--	6.01	282	7.1	24.0	--	7.5	--	--
MAY											
22...	1505	--	--	10.91	--	6.8	26.0	--	6.5	79	--
JUL											
06...	1330	--	--	6.11	271	6.8	31.0	--	8.6	114	--
AUG											
28...	1430	--	--	9.97	1100	6.9	28.5	--	5.4	39	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

377

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02296223 - LITTLE CHARLEY BOWLEGS CREEK NR SEBRING, FLA. (LAT 27 28 40 LONG 081 33 25.01)

OCT , 1978										
25...	1445	--	--	14.33	--	5.5	21.5	--	1.1	--
NOV										
07...	1400	--	--	14.01	5.6	6.9	21.0	--	--	--
JAN , 1979										
10...	1140	--	--	14.45	21	5.0	18.5	--	6.8	--
MAR										
06...	1225	--	--	15.21	68	4.6	20.5	--	4.9	--
APR										
26...	1400	--	--	13.92	.39	4.9	23.5	--	6.8	--
MAY										
23...	1600	--	--	14.31	--	4.5	23.5	--	4.6	53
JUN										
28...	0900	--	--	14.03	.71	5.0	25.0	--	3.0	--
AUG										
29...	0930	--	--	13.61	--	4.8	26.0	--	3.4	--

02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)

OCT , 1978										
05...	1030	--	--	3.14	39	6.0	25.5	--	5.2	--
24...	1340	--	--	2.84	--	7.1	25.5	--	7.2	47
FEB , 1979										
02...	1225	--	--	5.80	278	6.9	11.0	--	9.0	--
APR										
02...	1700	--	--	2.84	31	7.3	25.0	--	8.9	--
MAY										
22...	1545	--	--	4.00	--	6.3	28.0	--	6.4	81
JUL										
31...	1045	--	--	3.04	50	6.1	28.5	--	5.2	--

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978										
03...	0930	--	--	2.82	442	7.1	26.0	--	5.8	--
31...	0930	--	--	1.71	185	6.2	24.0	--	6.3	--
NOV										
28...	0800	--	--	1.37	130	7.5	21.0	--	7.8	86
JAN , 1979										
03...	1100	--	--	2.24	321	7.5	10.0	--	9.2	--
30...	0900	--	--	5.42	1500	7.2	11.5	--	9.2	--
FEB										
28...	0900	--	--	3.30	614	7.4	16.0	--	9.2	--
APR										
03...	0900	--	--	1.65	176	7.7	23.5	--	7.6	--
MAY										
02...	1100	--	--	1.60	172	7.3	27.0	--	7.5	--
JUN										
05...	0830	--	--	3.91	767	7.3	27.5	--	6.1	--
JUL										
02...	0700	--	--	2.74	445	7.0	28.5	--	5.8	--
AUG										
01...	0800	--	--	2.83	460	7.4	31.0	--	5.9	--
SEP										
04...	1100	--	--	9.35	3389	6.4	27.0	--	5.4	--

02297000 - 100 JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)

MAY , 1979										
16...	0945	--	--	--	--	7.3	26.5	--	4.1	--
JUN										
13...	1000	--	--	--	--	7.8	29.0	--	3.8	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
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02297100 - JOSHUA CREEK AT NOCATEE, FLA. (LAT 27 09 59 LONG 081 52 47)

OCT , 1978											
05...	1230	--	--	6.10	98	6.8	25.0	--	6.3	--	--
24...	1520	--	--	4.31	--	7.5	25.0	--	8.2	--	--
JAN , 1979											
30...	1645	--	--	6.97	148	5.4	15.0	--	8.2	--	--
APR											
05...	1130	--	--	4.40	14	7.6	23.5	--	7.5	--	--
MAY											
23...	1105	--	--	4.47	--	7.2	25.0	--	6.8	81	--
JUL											
30...	1345	--	--	5.21	49	7.3	29.5	--	5.2	--	--

02297155 - HORSE CREEK NR MYAKKA HEAD, FLA (LAT 27 29 13 LONG 082 01 25)

OCT , 1978											
26...	1315	--	--	9.55	--	7.3	23.0	--	7.5	--	--
NOV											
06...	1605	--	--	9.53	.42	7.4	20.0	--	8.8	--	--
JAN , 1979											
08...	1630	--	--	10.30	11	7.2	18.0	--	8.6	--	--
APR											
26...	1750	--	--	9.63	1.2	7.9	24.0	--	8.9	--	--
MAY											
22...	1440	--	--	9.63	--	6.6	26.0	--	7.5	91	--
JUN											
29...	1443	--	--	10.73	31	6.0	26.5	--	6.1	--	--
AUG											
27...	1715	--	--	12.11	91	5.8	28.5	--	5.6	--	--

02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)

OCT , 1978											
05...	1320	--	--	3.84	108	6.7	28.5	--	6.6	--	--
25...	0910	--	--	1.64	--	7.1	22.5	--	7.3	--	47
JAN , 1979											
31...	0930	--	--	7.16	460	5.9	16.0	--	8.7	--	--
APR											
05...	1430	--	--	1.44	13	7.4	27.0	--	6.6	--	--
MAY											
23...	1020	--	--	3.57	--	6.2	25.5	--	6.4	77	--
JUL											
31...	0925	--	--	4.60	158	5.5	28.5	--	5.6	--	--

02297733 - MOSSY GULLY TRIB AT ST HWY 70 NR ARCADIA, FLA. (LAT 27 12 31 LONG 081 40 41)

OCT , 1978											
03...	1645	--	--	11.35	16	7.4	31.0	--	7.8	--	--
24...	1435	--	--	10.78	--	7.3	27.0	--	8.3	--	--
NOV											
30...	1130	--	--	10.89	1.9	6.6	23.5	--	4.6	--	--
FEB , 1979											
01...	1715	--	--	11.70	28	7.3	16.0	--	11.2	--	--
APR											
03...	1730	--	--	10.50	2.8	7.7	28.0	--	9.6	--	--
MAY											
23...	1225	--	--	11.33	--	7.6	28.0	--	9.9	--	--
JUL											
31...	1720	--	--	11.68	6.2	8.4	34.0	--	9.8	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

379

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW (INSTAN- TANEOUS CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02298123 - PRAIRIE CREEK NR FORT OGDEN, FLA. (LAT 27 03 06 LONG 081 47 05)

OCT , 1978											
24...	1600	--	--	4.20	--	7.9	27.0	--	8.5	--	--
NOV											
29...	1500	--	--	3.74	7.8	7.9	26.0	--	9.2	--	--
MAY , 1979											
23...	1145	--	--	4.63	--	7.5	28.0	--	6.1	77	--
AUG											
01...	1250	--	--	5.27	70	7.6	31.0	--	5.4	--	--

02298202 - SHELL CREEK NR PUNTA GORDA, FLA. (LAT 26 59 04 LONG 081 56 09)

OCT , 1978											
04...	1335	--	--	5.42	422	6.8	28.0	--	5	--	--
25...	0835	--	--	5.10	--	7.2	23.5	--	6.2	--	--
NOV											
30...	0925	--	--	5.10	41	7.1	23.0	--	6.7	--	--
APR , 1979											
04...	1010	--	--	5.08	6.6	7.7	23.0	--	7.2	--	--
MAY											
23...	0930	--	--	5.13	--	7.1	26.5	--	4.9	60	--
AUG											
02...	0755	--	--	5.21	134	7.2	29.0	--	1.3	--	--

02298608 - MYAKKA RIVER AT MYAKKA CITY, FLA. (LAT 27 20 36 LONG 082 09 25)

OCT , 1978											
02...	1735	--	--	7.50	192	5.8	28.0	--	5.5	--	--
24...	1210	--	--	3.84	--	6.7	24.0	--	6.6	--	--
NOV											
27...	1200	--	--	3.24	6.2	6.9	22.5	--	9.1	--	--
JAN , 1979											
29...	1215	--	--	9.06	383	6.4	15.5	--	8.6	--	--
APR											
02...	1200	--	--	3.42	8.8	7.6	23.0	--	6.8	--	--
MAY											
25...	1355	--	--	3.94	--	5.6	27.0	--	6.3	78	--

SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)											
OCT , 1978											
03...	1015	--	--	5.90	238	6.2	27.0	--	.4	--	--
31...	1130	--	--	3.92	31	6.8	--	--	--	--	--
NOV											
08...	1100	--	--	3.64	22	6.7	22.5	--	6.7	--	--
28...	1115	1.0	--	--	--	7.2	22.4	--	7.0	--	--
28...	1116	2.0	--	--	--	7.2	22.1	--	6.9	--	--
28...	1117	3.0	--	--	--	7.2	21.9	--	6.7	--	--
28...	1118	1.0	--	--	--	7.3	22.3	--	7.1	--	--
28...	1119	2.0	--	--	--	7.3	21.9	--	6.8	--	--
28...	1120	3.0	--	--	--	7.3	21.9	--	6.5	--	--
28...	1121	1.0	--	--	--	7.3	22.5	--	7.1	--	--
28...	1122	2.0	--	--	--	7.3	21.9	--	6.6	--	--
28...	1123	4.0	--	--	--	7.3	21.9	--	6.6	--	--
28...	1124	1.0	--	--	--	7.3	22.4	--	6.8	--	--
28...	1125	2.0	--	--	--	7.3	22.0	--	6.4	--	--
28...	1126	4.0	--	--	--	7.3	21.9	--	6.1	--	--
28...	1127	1.0	--	--	--	7.3	22.6	--	6.8	--	--
28...	1128	3.0	--	--	--	7.3	22.0	--	6.4	--	--
28...	1129	5.0	--	--	--	7.3	21.8	--	6.0	--	--
28...	1130	1.0	--	--	--	7.3	22.5	--	6.8	--	--
28...	1131	3.0	--	--	--	7.3	22.0	--	6.4	--	--
28...	1132	5.0	--	--	--	7.3	21.9	--	6.0	--	--
28...	1133	1.0	--	--	--	7.3	22.8	--	6.9	--	--
28...	1134	3.0	--	--	--	7.3	22.0	--	6.2	--	--
28...	1135	5.0	--	--	--	7.3	21.9	--	6.0	--	--
28...	1136	1.0	--	--	--	7.3	22.6	--	7.0	--	--
28...	1137	3.0	--	--	--	7.3	21.8	--	6.0	--	--
28...	1138	5.0	--	--	--	7.3	21.8	--	5.8	--	--
28...	1139	1.0	--	--	--	7.3	22.4	--	6.8	--	--
28...	1140	2.0	--	--	--	7.3	21.9	--	6.0	--	--
28...	1141	4.0	--	--	--	7.3	21.9	--	6.0	--	--
JAN , 1979											
03...	1155	--	--	4.10	34	7.3	14.0	--	7.7	--	--
30...	1045	--	--	7.09	705	6.8	13.5	--	7.0	--	--
MAR											
06...	0945	--	--	5.72	191	6.3	21.0	--	3.0	--	--
APR											
03...	1100	--	--	5.22	133	6.6	23.5	--	5.4	--	--
MAY											
02...	1100	--	--	4.71	84	6.8	23.0	--	.0	--	--
JUN											
05...	1030	--	--	4.54	70	6.7	28.5	--	.5	6	--
26...	1115	--	--	3.95	38	7.0	29.5	--	2.5	--	--
28...	1300	--	--	3.93	40	6.6	30.0	--	3.4	--	--
AUG											
01...	1030	--	--	4.66	119	7.2	31.0	--	3.1	--	--
30...	1230	--	--	5.70	251	5.6	30.0	--	3.9	--	--

SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (000065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (000061)	PH (UNITS) (000400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (000077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)										
SEP , 1979										
05...	1015	--	--	6.43	442	6.3	26.0	--	2.6	--
02299800 - PHILLIPPE CREEK AT SARASOTA, FLA. (LAT 27 19 20 LONG 082 30 20)										
JAN , 1979										
12...	1620	--	--	3.00	--	6.9	19.5	--	6.8	--
MAR										
13...	1330	--	--	--	--	7.3	22.5	--	7.3	--
02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)										
OCT , 1978										
02...	1640	--	--	3.53	58	6.3	30.0	--	--	--
26...	1230	--	--	1.28	--	6.9	23.0	--	8.0	36
NOV										
06...	1250	--	--	1.03	3.6	7.4	19.0	--	5.6	--
APR , 1979										
25...	1720	--	--	1.49	9.6	7.5	25.0	--	9.2	--
MAY										
22...	1400	--	--	1.29	--	6.5	26.5	--	9.0	110
JUN										
29...	1430	--	--	4.26	80	5.4	24.0	--	6.6	--
AUG										
27...	1715	--	--	7.01	268	5.8	28.5	--	5.6	--
02300100 - LITTLE MANATEE RIVER NR FT. LONESOME, FLA. (LAT 27 42 16 LONG 082 11 53)										
OCT , 1978										
26...	1025	--	--	2.08	--	6.7	21.5	--	7.1	--
NOV										
09...	1345	--	--	2.05	2.5	6.4	19.5	--	8.0	--
JAN , 1979										
10...	1600	--	--	2.75	11	6.7	17.0	--	8.4	--
MAR										
08...	1440	--	--	5.15	52	5.6	16.5	--	7.1	--
13...	1540	--	--	3.24	17	5.8	17.5	--	8.1	--
MAY										
01...	1445	--	--	1.66	.51	6.8	23.0	--	7.7	--
21...	1000	--	--	2.54	--	6.1	20.5	--	7.3	80
JUN										
26...	1320	--	--	2.44	7.4	5.7	25.0	--	6.8	--
AUG										
28...	1445	--	--	5.98	96	4.9	27.5	--	5.1	--
02300200 - SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FLA. (LAT 27 35 25 LONG 082 10 57)										
OCT , 1978										
26...	1105	--	--	--	--	6.4	22.0	--	3.5	--
NOV										
09...	1140	--	--	-4.40	--	6.2	20.0	--	5.1	--
JAN , 1979										
10...	1400	--	--	-9.98	--	6.2	18.0	--	7.4	--
MAR										
14...	1110	--	--	.05	--	5.8	18.5	--	6.4	--
MAY										
01...	1625	--	--	-2.23	--	6.7	23.0	--	4.5	--
22...	1315	--	--	-4.41	--	6.0	22.5	--	4.5	51
JUN										
26...	1415	--	--	-3.38	--	5.6	25.5	--	6.3	76
AUG										
29...	1645	--	--	1.06	16	4.9	27.5	--	4.5	56

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)											
OCT , 1978											
24...	1045	--	--	2.11	--	7.2	22.5	--	8.2	--	34
NOV											
13...	1200	--	--	2.02	22	7.4	21.0	--	8.3	--	--
JAN , 1979											
11...	1300	--	--	2.40	43	7.2	15.0	--	8.3	--	--
MAR											
14...	1537	--	--	3.16	102	6.3	19.5	--	9.4	--	--
MAY											
02...	1200	--	--	2.68	26	8.4	24.5	--	10.3	--	--
22...	1210	--	--	2.69	--	6.6	24.0	--	7.8	91	--
JUN											
27...	1210	--	--	2.38	2.3	6.2	27.5	--	4.9	61	--
AUG											
29...	1350	--	--	4.19	195	5.1	28.0	--	5.6	70	--
02300700 - BULLFROG CREEK NR WIMAUMA, FLA. (LAT 27 47 30 LONG 082 21 09)											
OCT , 1978											
26...	0930	--	--	17.36	--	7.7	21.0	--	9.8	--	--
NOV											
06...	1237	--	--	17.44	5.7	8.4	22.0	--	11.8	--	--
JAN , 1979											
08...	1310	--	--	18.20	24	7.1	19.5	--	8.3	--	--
APR											
30...	1305	--	--	17.56	12	8.3	24.5	--	10.5	--	--
MAY											
22...	1110	--	--	17.49	--	7.4	24.0	--	9.8	115	--
JUN											
25...	1220	--	--	17.06	3.0	8.4	31.0	--	11.0	--	--
AUG											
27...	1315	--	--	18.78	43	5.9	27.0	--	6.6	--	--
02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)											
OCT , 1978											
12...	1310	--	--	2.48	8.2	7.7	24.0	--	7.2	--	--
23...	1515	--	--	2.08	--	7.0	24.0	--	7.4	--	24
NOV											
01...	1310	--	--	2.06	62	7.3	24.0	--	7.9	--	--
29...	1125	--	--	1.79	48	7.5	22.5	--	8.2	--	--
FEB , 1979											
08...	1230	--	--	3.43	138	6.8	17.0	--	7.3	--	--
APR											
04...	1045	--	--	2.15	66	7.3	24.0	--	7.4	--	--
MAY											
21...	1145	--	--	4.96	--	6.2	23.5	--	3.3	38	--
JUN											
08...	1320	--	--	3.82	164	6.1	28.0	--	3.7	46	--
AUG											
07...	1333	--	--	4.00	183	6.5	26.0	--	4.8	58	--

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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
------	------	--	--	--	--	--------------------------	--	---	--	--	---

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978											
12...	1715	--	--	10.68	40	7.3	24.0	--	7.7	--	--
26...	1530	--	--	10.20	--	7.6	24.0	--	8.7	--	47
NOV											
28...	1210	--	--	10.21	17	7.6	20.5	--	9.0	--	--
FEB , 1979											
07...	1310	--	--	11.08	56	7.0	14.0	--	8.8	--	--
APR											
05...	1015	--	--	10.53	38	7.6	23.5	--	8.1	--	--
MAY											
21...	1045	--	--	13.71	--	6.7	22.0	--	5.2	58	--
JUN											
05...	1420	--	--	13.25	179	6.7	27.0	--	4.5	55	--
AUG											
01...	1133	--	--	11.23	65	6.5	28.0	--	5.2	65	--

02301314 - MIZELL CREEK NR KEYSVILLE, FLA. (LAT 27 50 14 LONG 082 05 17)

OCT , 1978											
12...	1750	--	--	1.04	--	7.4	23.0	--	8.1	--	--
NOV											
28...	1330	--	--	.93	--	7.4	21.0	--	8.3	--	--
FEB , 1979											
07...	1410	--	--	1.30	--	6.3	17.5	--	8.8	--	--
APR											
05...	1050	--	--	.88	--	6.0	21.0	--	8.4	--	--
JUN											
08...	1355	--	--	1.04	--	6.9	31.0	--	7.2	--	--
AUG											
01...	1230	--	--	1.05	--	6.6	25.0	--	7.7	--	--

02301350 - LITTLE ALAFIA RIVER NR HOPEWELL, FLA. (LAT 27 56 15 LONG 082 09 23)

OCT , 1978											
10...	1200	--	--	9.46	1.2	6.8	22.0	--	7.2	--	--
23...	1330	--	--	9.34	--	7.2	22.5	--	7.4	--	--
NOV											
01...	1040	--	--	9.18	.34	6.7	20.5	--	6.5	--	--
27...	1140	--	--	9.00	.06	6.8	18.0	--	5.0	--	--
FEB , 1979											
05...	1240	--	--	9.68	2.7	7.2	14.5	--	9.5	--	--
MAY											
21...	1435	--	--	10.22	--	7.4	24.0	--	7.6	89	--

02301368 - EDWARD MEDARD RESERVOIR AT PLEASANT GROVE, FLA (LAT 27 54 37 LONG 082 10 08)

OCT , 1978											
26...	1720	--	--	56.96	--	7.5	24.5	--	5.9	--	--
MAY , 1979											
21...	1405	--	--	60.25	--	8.1	29.0	--	8.8	113	--

02301370 - L ALAFIA R AT TURK CR RD AT PLEASANT GROVE, FLA. (LAT 27 54 34 LONG 082 10 15)

OCT , 1978											
26...	1700	--	--	34.77	--	7.7	25.0	--	6.1	--	--
APR , 1979											
02...	1235	--	--	34.55	.71	8.1	25.0	--	11.0	--	--
MAY											
21...	1400	--	--	35.23	--	8.1	28.0	--	8.7	110	--
JUN											
04...	1140	--	--	35.31	6.1	7.4	28.5	--	3.4	--	--

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)											
OCT , 1978											
03...	1430	--	--	3.17	114	7.5	27.5	--	7.5	--	--
13...	1315	--	--	3.38	143	7.7	24.0	--	8.0	--	--
31...	1400	--	--	2.98	91	7.6	25.5	--	7.9	--	--
NOV											
27...	1520	--	--	2.98	91	8.0	20.5	--	9.3	--	--
28...	1500	--	--	--	--	7.0	21.6	--	8.9	--	--
28...	1502	--	--	--	--	7.1	21.6	--	9.0	--	--
28...	1504	--	--	--	--	7.2	21.7	--	9.0	--	--
28...	1506	--	--	--	--	7.2	21.7	--	9.0	--	--
28...	1508	--	--	--	--	7.3	21.7	--	9.1	--	--
28...	1510	--	--	--	--	7.3	21.7	--	9.1	--	--
28...	1512	--	--	--	--	7.4	21.7	--	9.2	--	--
28...	1514	--	--	--	--	7.4	21.7	--	9.3	--	--
JAN , 1979											
03...	1500	--	--	5.49	387	7.1	15.0	--	8.3	--	--
30...	1350	--	--	5.22	348	6.8	14.0	--	9.8	--	--
FEB											
06...	1030	--	--	4.25	222	7.0	14.5	--	10.4	--	--
MAR											
06...	1300	--	--	7.42	686	6.8	18.5	--	7.3	--	--
APR											
02...	1510	--	--	3.43	132	7.4	23.0	--	8.9	--	--
03...	1400	--	--	3.46	136	7.6	23.5	--	8.1	--	--
MAY											
02...	1400	--	--	3.35	124	7.3	24.5	--	8.5	--	--
JUN											
05...	1400	--	--	6.45	510	6.6	27.0	--	5.4	--	--
26...	1400	--	--	4.12	200	7.0	27.5	--	6.8	--	--
AUG											
01...	1400	--	--	4.48	242	7.1	28.0	--	6.4	--	--
SEP											
05...	1330	--	--	10.04	1197	6.6	25.5	--	5.8	--	--
02301600 - LITHIA SPRINGS NR LITHIA, FLA (LAT 27 51 58 LONG 082 13 57)											
OCT , 1978											
26...	1620	--	--	8.52	--	7.6	25.0	--	3.4	--	--
MAY , 1979											
21...	1225	--	--	10.72	--	7.7	26.0	--	3.2	39	--
AUG											
02...	1132	--	--	9.52	44	7.0	23.0	--	3.9	--	--
02301802 - TAMPA BYPASS CANAL AT S-160,AT TAMPA,FL. (LAT 27 57 21 LONG 082 22 15)											
OCT , 1978											
27...	1115	--	--	18.95	--	7.7	23.0	--	6.0	--	178
MAY , 1979											
23...	1245	--	--	--	--	6.8	25.0	--	10.0	--	69
02301900 - FOX BRANCH NR SOCRUM, FLA. (LAT 28 10 55 LONG 082 00 45)											
OCT , 1978											
23...	1000	--	--	2.28	--	7.7	21.0	--	7.0	--	--
NOV											
06...	0930	--	--	2.02	--	8.1	17.0	--	9.8	--	--
JAN , 1979											
04...	1145	--	--	3.31	--	7.6	9.0	--	10.9	--	--
MAY											
01...	1240	--	--	2.74	--	7.7	22.5	--	8.9	--	--
21...	1030	--	--	3.30	--	7.0	22.5	--	6.0	68	--

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FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02301990 - HILLSB. R AB CRYSTAL SPRINGS NR ZEPHYRHILLS, FLA (LAT 28 11 07 LONG 082 11 03)

OCT , 1978											
23...	1150	--	--	51.70	--	7.0	23.0	--	4.0	--	--
31...	1230	--	--	51.72	9.7	7.4	23.5	--	3.7	--	--
JAN , 1979											
08...	1330	--	--	51.95	14	7.6	20.5	--	5.2	--	--
MAR											
07...	0810	--	--	54.15	--	6.7	15.0	--	6.2	--	--
MAY											
03...	0950	--	--	51.79	12	7.7	21.0	--	4.3	--	--
21...	0945	--	--	52.87	--	7.2	20.5	--	4.0	44	--
JUN											
28...	1215	--	--	51.81	--	7.7	25.0	--	4.7	--	--
AUG											
28...	1040	--	--	54.05	--	6.8	25.0	--	4.5	--	--

02302000 - CRYSTAL SPRINGS NR ZEPHYRHILLS, FLA (LAT 28 10 30 LONG 082 11 20)

OCT , 1978											
23...	1215	--	--	--	--	6.6	24.0	--	2.7	--	--
31...	1415	--	--	--	--	7.3	24.0	--	2.1	--	--
JAN , 1979											
08...	1350	--	--	--	--	7.6	24.0	--	2.6	--	--
MAR											
07...	0915	--	--	--	--	7.4	23.0	--	2.8	--	--
MAY											
02...	0830	--	--	--	--	7.6	22.5	--	3.5	--	--
21...	0930	--	--	--	--	7.6	26.0	--	2.5	30	--
JUN											
28...	1425	--	--	--	--	7.7	25.5	--	3.1	37	--
AUG											
28...	1010	--	--	--	--	7.2	24.0	--	2.6	30	--

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

DEC , 1978											
12...	0635	--	--	--	--	--	23.0	--	5.1	58	--
12...	1215	--	--	--	--	--	23.5	--	6.7	78	--

02302240 - ITCHEPACKESASSA CK AT KRAFT CO PLANT NR LKLD (LAT 28 02 24 LONG 082 01 24)

NOV , 1978											
07...	1145	--	--	11.10	1.4	7.6	22.0	--	9.0	--	--
JAN , 1979											
08...	1325	--	--	11.96	11	7.2	18.0	--	11.2	--	--
MAR											
01...	1130	--	--	11.78	8.6	6.9	17.5	--	6.4	--	--
MAY											
01...	1235	--	--	11.47	3.6	6.5	24.0	--	7.6	--	--
JUL											
10...	1540	--	--	12.47	22	6.6	28.0	--	5.4	--	--
SEP											
10...	1227	--	--	11.86	8.3	7.1	28.0	--	5.5	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)											
OCT , 1978											
23...	1050	--	--	.73	--	6.9	26.0	--	5.5	--	170
NOV											
01...	1430	--	--	.75	5.3	7.8	23.0	--	5.4	--	--
JAN , 1979											
08...	1145	--	--	1.08	20	7.5	18.0	--	5.7	--	--
MAR											
07...	1220	--	--	6.64	1065	6.6	15.5	--	6.6	--	--
MAY											
21...	0915	--	--	1.59	--	7.2	23.0	--	6.1	70	--
JUN											
26...	1330	--	--	--	--	7.9	25.5	--	6.2	75	--
AUG											
30...	1130	--	--	--	--	6.5	27.5	--	6.0	75	--
02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)											
OCT , 1978											
04...	1115	--	--	.96	92	7.8	24.5	--	--	--	--
NOV											
01...	1030	--	--	.82	71	7.8	23.0	--	6.1	--	--
27...	1045	--	--	.72	60	7.8	21.8	--	5.0	--	--
27...	1120	--	--	.72	60	7.8	21.7	--	4.5	--	--
27...	1122	--	--	.72	60	7.8	21.7	--	5.3	--	--
27...	1124	--	--	.72	60	7.7	21.7	--	5.0	--	--
27...	1130	--	--	.72	60	7.7	21.7	--	3.7	--	--
27...	1132	--	--	.72	60	7.8	21.8	--	5.7	--	--
27...	1134	--	--	.72	60	7.8	21.8	--	5.4	--	--
27...	1140	--	--	.72	60	7.9	21.8	--	4.3	--	--
27...	1142	--	--	.72	60	7.8	21.8	--	4.9	--	--
27...	1144	--	--	.72	60	7.8	21.8	--	5.2	--	--
27...	1150	--	--	.72	60	7.9	21.8	--	3.2	--	--
27...	1152	--	--	.72	60	7.8	21.9	--	4.4	--	--
27...	1154	--	--	.72	60	7.9	21.9	--	5.1	--	--
JAN , 1979											
03...	1500	--	--	1.35	159	7.6	16.5	--	9.6	--	--
30...	1000	--	--	1.34	140	7.5	14.7	--	6.7	--	--
MAR											
06...	1245	--	--	3.94	732	7.0	18.5	--	6.1	--	--
27...	1300	--	--	1.24	126	7.5	22.5	--	7.4	--	--
APR											
18...	1000	--	--	.90	--	8.0	19.5	--	7.3	--	--
MAY											
02...	1330	--	--	.88	78	8.0	22.0	--	7.6	--	--
JUN											
04...	1015	--	--	1.16	110	7.7	25.5	--	6.5	78	--
26...	1230	--	--	--	72	7.9	24.5	--	8.9	105	--
AUG											
01...	1130	--	--	--	113	7.6	26.0	--	5.1	62	--
28...	1510	--	--	--	605	6.6	26.0	--	5.2	63	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
02303200 - PEMBERTON CREEK NR DOVER, FLA. (LAT 28 01 34 LONG 082 14 12)											
OCT , 1978											
23...	1305	--	--	--	--	7.4	24.0	--	7.1	83	--
30...	1205	--	--	-1.24	--	7.8	25.0	--	7.1	--	--
NOV											
07...	0900	--	--	-1.35	--	7.9	21.0	--	7.9	--	--
JAN , 1979											
08...	1530	--	--	-.88	--	7.6	19.0	--	10.8	--	--
MAR											
02...	0950	--	--	-.29	--	6.9	17.5	--	6.9	--	--
MAY											
01...	0945	--	--	-1.40	--	7.2	23.5	--	7.4	--	--
25...	1200	--	--	-.56	--	7.3	24.5	--	6.8	80	--
JUN											
27...	1620	--	--	-1.59	--	8.3	29.5	--	8.4	109	--
SEP											
10...	1420	--	--	-1.20	--	7.2	28.0	--	6.3	79	--
02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)											
OCT , 1978											
26...	1330	--	--	3.86	--	7.3	25.0	--	--	--	196
MAY , 1979											
25...	1245	--	--	3.80	--	6.4	25.0	--	4.6	--	36
02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)											
OCT , 1978											
26...	1100	--	--	35.40	--	8.9	25.0	--	6.2	--	96
JAN , 1979											
08...	1540	--	--	35.74	--	9.2	18.0	--	12.8	--	--
MAR											
05...	1530	--	--	35.29	--	8.8	20.5	--	12.4	--	--
MAY											
03...	1245	--	--	34.68	--	9.4	24.5	--	9.1	--	--
25...	1330	--	--	35.16	--	9.0	27.0	--	11.5	--	49
JUN											
29...	1005	--	--	33.78	--	8.4	27.0	--	3.9	48	--
AUG											
30...	1900	--	--	34.86	--	7.2	29.5	--	7.9	102	--
02303320 - FLINT CREEK AT ST HWY 582, NR THONOTOSASSA, FLA. (LAT 28 04 33 LONG 082 15 49)											
OCT , 1978											
23...	1335	--	--	31.43	--	6.7	24.0	--	4.0	--	--
NOV											
07...	0900	--	--	31.18	.88	7.7	19.0	--	3.4	--	--
JAN , 1979											
09...	1530	--	--	32.23	22	9.3	15.0	--	13.6	--	--
MAR											
08...	1300	--	--	33.41	128	7.4	17.0	--	9.6	--	--
MAY											
03...	1220	--	--	31.43	1.2	7.9	23.0	--	5.1	--	--
22...	0830	--	--	31.58	--	6.9	24.0	--	2.0	23	--
JUN											
29...	1255	--	--	31.07	--	7.2	28.0	--	2.9	--	--
AUG											
30...	1730	--	--	33.68	140	6.6	29.0	--	6.3	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT, NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
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02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978											
23...	1420	--	--	24.29	--	7.3	23.0	--	6.8	--	160
30...	1250	--	--	24.26	70	7.7	24.0	--	6.2	--	--
JAN , 1979											
05...	1115	--	--	25.28	127	7.5	14.0	--	7.8	--	--
MAR											
05...	1215	--	--	26.70	394	7.0	19.0	--	7.8	--	--
APR											
30...	1615	--	--	24.33	--	8.2	22.5	--	9.5	--	--
MAY											
22...	0920	--	--	6.31	--	7.0	21.0	--	4.4	48	--
JUN											
25...	1425	--	--	--	--	7.5	27.0	--	6.2	77	--
AUG											
27...	1320	--	--	--	--	6.4	26.0	--	3.2	39	--

02303350 - TROUT CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 08 20 LONG 082 21 50)

FEB , 1979											
16...	0855	--	--	36.26	--	7.2	15.0	--	--	--	--
MAR											
07...	1830	--	--	39.38	225	6.2	16.5	--	6.8	--	--
MAY											
21...	1415	--	--	36.50	--	6.2	22.0	--	4.1	46	--
SEP											
07...	--	--	--	39.62	242	6.0	25.5	--	4.5	--	--

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

DEC , 1978											
27...	1500	--	--	--	--	6.9	--	--	11.0	--	--
FEB , 1979											
16...	1000	--	--	--	--	7.1	15.5	--	--	--	50
MAR											
08...	1025	--	--	2.30	22	6.2	15.0	--	4.5	--	--
MAY											
21...	1215	--	--	2.53	--	6.1	23.0	--	2.9	33	--
JUL											
06...	1240	--	--	--	.19	6.5	27.5	--	3.8	47	--
SEP											
05...	1015	--	--	--	69	5.8	25.5	--	2.8	33	--

02303420 - CYPRESS CREEK AT WORTHINGTON GARDENS, FLA. (LAT 28 11 08 LONG 082 24 03)

OCT , 1978											
24...	1155	--	--	2.97	--	7.4	23.0	--	2.7	--	--
DEC											
26...	1543	--	--	2.71	.20	7.2	19.5	--	5.7	--	--
MAR , 1979											
08...	1635	--	--	6.13	93	6.5	16.5	--	5.3	--	--
APR											
24...	1305	--	--	2.77	--	7.2	22.5	--	5.5	--	--
MAY											
21...	1335	--	--	7.13	--	6.2	22.0	--	--	--	--
SEP											
06...	1410	--	--	6.86	141	6.0	26.5	--	1.3	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION) (00301)	BICAR- BONATE AS HCO3) (00440)
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02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

OCT , 1978											
24...	1020	--	--	20.94	--	6.6	21.5	--	1.8	--	130
DEC											
28...	1523	--	--	25.48	.80	7.4	14.5	--	6.6	--	--
MAR , 1979											
07...	1645	--	--	28.44	193	6.5	16.5	--	4.5	--	--
APR											
23...	1010	--	--	25.43	.08	7.6	21.0	--	5.8	--	--
MAY											
21...	1435	--	--	29.00	--	6.3	22.0	--	3.6	40	--
JUL											
02...	1515	--	--	--	--	6.7	26.0	--	4.5	54	--
SEP											
07...	1110	--	--	--	--	6.2	25.5	--	1.6	19	--

02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)

OCT , 1978											
24...	0925	--	--	20.41	--	7.5	24.0	--	5.5	--	170
NOV											
01...	0840	--	--	20.16	--	7.8	24.0	--	5.3	--	--
JAN , 1979											
03...	1005	--	--	20.51	--	7.8	17.0	--	6.2	--	--
MAR											
06...	0830	--	--	22.83	--	6.6	18.5	--	3.5	--	--
MAY											
01...	0855	--	--	21.11	--	7.8	23.0	--	6.9	--	--
22...	0805	--	--	23.46	--	6.7	22.0	--	2.3	26	--
JUN											
25...	1030	--	--	--	--	7.4	27.5	--	4.9	61	--
AUG											
27...	1150	--	--	--	--	6.2	26.0	--	1.1	13	--

02304200 - HILLSBOROUGH RIVER AT HARNEY, FLA (LAT 28 00 54 LONG 082 22 30)

FEB , 1979											
22...	1500	--	--	22.48	--	7.5	19.0	--	6.6	--	--
APR											
13...	1340	--	--	22.26	--	7.7	24.0	--	10.0	--	--
SEP											
21...	1130	--	--	--	--	6.2	26.0	--	--	--	--

02304500 - HILLSBOROUGH RIVER NR TAMPA, FLA. (LAT 28 01 25 LONG 082 25 41)

OCT , 1978											
10...	1445	--	--	20.92	--	8.1	25.5	--	8.5	--	--
23...	1140	--	--	20.12	--	8.2	23.5	--	9.8	--	--
NOV											
30...	1125	--	--	19.16	--	7.9	24.0	--	9.1	--	--
FEB , 1979											
12...	1050	--	--	22.16	--	7.4	14.0	--	9.4	--	--
APR											
10...	0945	--	--	22.42	--	7.9	24.0	--	5.2	--	--
MAY											
21...	1645	--	--	21.64	--	7.4	29.0	--	7.0	90	--
JUN											
06...	1720	--	--	21.92	--	6.8	29.0	--	7.4	--	--
JUL											
31...	1557	--	--	21.58	--	7.5	32.0	--	6.7	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
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02304510 - HILLSBOROUGH RIVER AT 22ND ST NR TAMPA, FLA (LAT 28 01 15 LONG 082 26 05)

OCT , 1978											
10...	1730	--	--	-1.10	--	7.6	25.0	--	8.8	--	--
NOV											
02...	1020	--	--	-1.70	--	7.2	23.5	--	5.2	--	--
30...	0950	--	--	-1.07	--	7.3	24.5	--	2.5	--	--
JAN , 1979											
11...	0905	--	--	-.43	--	7.5	16.0	--	5.5	--	--
FEB											
12...	1000	--	--	-1.28	--	7.2	13.5	--	10.5	--	--
MAR											
12...	0935	--	--	3.14	--	7.0	16.0	--	7.6	--	--
APR											
10...	0830	--	--	-.45	--	6.9	24.0	--	4.2	--	--
MAY											
04...	1420	--	--	1.04	--	7.8	27.0	--	6.9	--	--
JUN											
06...	1810	--	--	.09	--	6.8	27.0	--	6.2	77	--
JUL											
02...	1400	--	--	.27	--	7.2	31.0	--	3.9	51	--
31...	1425	--	--	.11	--	7.1	31.0	--	6.5	86	--
AUG											
07...	1526	--	--	2.92	--	6.9	30.0	--	6.6	86	--
SEP											
10...	1300	--	--	3.35	--	6.9	27.0	--	5.8	72	--

02306000 - SULPHUR SPRINGS AT SULPHUR SPRINGS,FLA. (LAT 28 01 15 LONG 082 27 07)

OCT , 1978											
10...	1355	--	--	7.17	--	7.3	24.0	--	.5	--	--
23...	1220	--	--	--	--	7.3	24.5	--	.9	--	--
DEC											
01...	1000	--	--	6.45	6.9	7.3	24.0	--	.5	--	--
FEB , 1979											
12...	1355	--	--	--	67	7.4	23.0	--	4.2	--	--
APR											
10...	1215	--	--	7.14	34	6.8	23.5	--	--	--	--
MAY											
21...	1615	--	--	7.12	--	7.1	24.0	--	.6	7	--
JUN											
06...	1115	--	--	7.28	41	6.8	24.0	--	.3	--	--
JUL											
31...	1305	--	--	7.25	42	6.5	24.0	--	.6	--	--

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

OCT , 1978											
26...	1045	--	--	18.00	--	--	--	--	--	--	60
MAY , 1979											
24...	0855	10	--	19.70	--	7.1	27.0	--	7.3	--	--

02306289 - LAKE MAGDALENE OUTLET NR LUTZ, FLA. (LAT 28 04 26 LONG 082 30 01)

OCT , 1978											
26...	1200	--	--	3.81	--	6.6	22.0	--	5.3	--	--
MAY , 1979											
24...	0940	--	--	4.81	--	6.2	26.0	--	1.2	14	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
------	------	---	--	--	--	------------------------------	--	---	--	--	---

02306500 - SWEETWATER CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 33 LONG 082 30 44)

OCT , 1978											
02...	1315	--	--	5.14	1.6	7.0	26.0	--	1.5	--	--
24...	0820	--	--	5.07	--	7.3	20.0	--	1.9	--	--
NOV											
29...	1330	--	--	5.02	.63	6.9	23.0	--	2.1	--	--
FEB , 1979											
06...	1400	--	--	5.14	1.3	6.8	17.0	--	6.1	--	--
APR											
06...	1050	--	--	5.19	1.2	7.1	20.0	--	1.8	--	--
MAY											
23...	1345	--	--	5.46	--	6.5	28.5	--	3.2	40	--
29...	1400	--	--	5.65	--	7.0	29.0	--	4.2	--	--
JUL											
23...	1340	--	--	5.42	--	6.7	31.5	--	6.5	--	--

02306647 - SWEETWATER CREEK NR TAMPA, FLA. (LAT 28 00 55 LONG 082 32 31)

OCT , 1978											
02...	1445	--	--	9.20	6.5	6.6	27.0	--	1.5	--	--
26...	0850	--	--	9.11	--	6.6	21.0	--	1.0	--	--
NOV											
29...	1430	--	--	9.07	.69	6.4	20.0	--	.7	--	--
FEB , 1979											
08...	1330	--	--	9.20	6.8	6.6	15.5	--	5.8	--	--
APR											
06...	1345	--	--	9.09	2.4	6.8	24.0	--	2.5	--	--
MAY											
23...	1230	--	--	9.30	--	6.3	25.5	--	4.8	58	--
31...	0830	--	--	9.36	18	6.8	25.0	--	3.8	--	--
JUL											
25...	0845	--	--	9.27	14	6.3	26.0	--	3.0	--	--

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978											
03...	0845	--	--	5.43	8.9	6.6	24.0	--	1.4	--	--
26...	0930	--	--	5.37	--	6.4	21.0	--	1.1	--	79
NOV											
29...	1045	--	--	--	--	6.4	21.0	--	1.1	--	--
FEB , 1979											
06...	0930	--	--	5.45	19	6.6	14.0	--	9.9	--	--
APR											
03...	1000	--	--	6.45	11	5.8	21.5	--	2.5	--	--
MAY											
23...	1310	--	--	--	48	5.5	26.0	--	5.6	68	--
29...	1300	--	--	5.71	11	6.5	25.0	--	5.8	69	--
JUL											
23...	1145	--	--	--	--	6.4	28.5	--	5.5	70	--

02307323 - BROOKER CREEK NR LAKE FERN, FLA. (LAT 28 08 26 LONG 082 38 24)

JAN , 1979											
08...	1115	--	--	2.15	--	4.5	17.5	--	5.0	--	--
31...	1055	--	--	2.25	--	5.1	14.5	--	4.4	--	--
MAR											
30...	1047	--	--	2.12	--	4.7	19.5	--	4.3	--	--
MAY											
22...	1400	--	--	3.35	--	4.2	24.0	--	6.4	75	--
JUN											
11...	1150	--	--	2.28	--	4.6	24.5	--	2.4	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT, NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02307359 - BROOKER CREEK NR TARPON SPRINGS, FLA. (LAT 28 05 45 LONG 082 41 15)

OCT , 1978											
13...	1055	--	--	7.47	--	6.5	21.0	--	1.8	--	--
13...	1205	--	--	7.60	--	6.2	24.0	--	2.6	--	--
DEC											
05...	1437	--	--	7.60	--	6.6	21.0	--	1.9	--	--
JAN , 1979											
30...	1520	--	--	8.87	--	5.9	14.0	--	4.2	--	--
MAR											
28...	1155	--	--	8.57	--	5.3	18.0	--	4.5	--	--
MAY											
23...	1100	--	--	9.24	--	5.1	22.5	--	3.2	36	--
JUN											
08...	0850	--	--	8.69	--	5.6	25.0	--	2.4	--	--

02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978											
11...	0825	--	--	2.62	--	6.1	24.0	--	4.9	--	--
25...	1215	--	--	2.51	--	5.7	24.0	--	7.2	--	5
DEC											
07...	1115	--	--	2.47	--	6.4	23.5	--	6.8	--	--
FEB , 1979											
02...	0930	--	--	2.85	--	6.7	13.0	--	5.8	--	--
MAR											
26...	1020	--	--	2.65	--	5.4	19.5	--	7.9	--	--
MAY											
23...	1035	--	--	2.26	--	6.4	27.5	--	6.9	86	--
JUN											
05...	1018	--	--	2.64	--	5.9	30.0	--	6.1	79	--
JUL											
31...	0945	--	--	2.41	--	6.4	30.0	--	7.3	95	--

02307498 - LAKE TARPON CANAL AT S-551, NR OLDSMAR, FLA. (LAT 28 03 12 LONG 082 42 40.01)

OCT , 1978											
13...	0920	--	--	12.72	--	7.2	26.0	--	2.8	--	--
25...	1025	--	--	12.61	--	8.3	24.0	--	4.2	--	--
DEC											
04...	1530	--	--	12.43	--	7.4	24.0	--	4.5	--	--
JAN , 1979											
30...	1055	--	--	12.96	--	7.9	13.0	--	4.8	--	--
MAR											
26...	0915	--	--	12.72	--	6.5	19.0	--	6.1	--	--
MAY											
23...	1015	--	--	12.26	--	6.7	26.0	--	1.4	17	--
JUN											
07...	1440	--	--	12.67	--	6.4	30.0	--	5.6	73	--
AUG											
01...	0905	--	--	12.44	--	--	30.0	--	9.9	129	--

02307696 - ALLIGATOR LAKE AT SAFETY HARBOR, FLA. (LAT 27 58 45 LONG 082 41 45.01)

OCT , 1978											
11...	1545	--	--	5.03	--	8.1	25.0	--	5.7	--	--
25...	1000	--	--	5.07	--	8.3	23.5	--	4.8	--	--
DEC											
04...	1315	--	--	5.05	--	7.7	24.5	--	4.7	--	--
JAN , 1979											
29...	1120	--	--	5.13	--	8.8	14.0	--	6.8	--	--
MAR											
27...	1425	--	--	5.09	--	7.8	20.5	--	8.6	--	--
MAY											
23...	0945	--	--	5.13	--	7.3	27.0	--	5.9	73	--
JUN											
04...	1325	--	--	5.08	--	8.6	31.5	--	13.0	--	--
JUL											
31...	0850	--	--	5.04	--	7.4	28.0	--	4.4	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
02308000 - SAWGRASS LAKE NEAR PINELLAS PARK, FLA. (LAT 27 50 33 LONG 082 39 49)											
OCT , 1978											
11...	1215	--	--	3.52	--	7.3	25.5	--	5.1	--	--
25...	0920	--	--	3.47	--	7.7	23.0	--	4.1	--	--
DEC											
04...	0955	--	--	3.64	--	7.1	24.0	--	3.1	--	--
JAN , 1979											
29...	1445	2.1	--	4.92	--	7.2	14.5	--	2.1	--	--
MAR											
27...	0845	--	--	4.45	--	7.1	18.0	--	3.5	--	--
MAY											
08...	0900	--	--	--	--	6.8	23.0	--	3.6	--	--
23...	0830	--	--	4.10	--	6.6	24.0	--	1.0	--	--
JUN											
04...	0845	--	--	3.99	--	6.4	27.0	--	.6	--	--
JUL											
30...	0935	--	--	4.38	--	6.9	28.5	--	.9	--	--
02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)											
MAY , 1979											
22...	0830	--	--	--	--	7.3	25.0	--	--	--	--
JUN											
19...	1500	--	--	--	--	7.6	26.0	--	--	--	--
02309848 - SOUTH BRANCH ANCLOTE RIVER NR ODESSA, FLA. (LAT 28 11 08 LONG 082 33 13)											
FEB , 1979											
07...	1315	--	--	2.65	.62	5.9	17.0	--	4.3	--	--
MAY											
22...	1015	--	--	3.07	--	5.1	21.0	--	3.1	34	--
30...	1200	--	--	3.01	--	5.9	24.0	--	3.8	--	--
JUL											
24...	1330	--	--	2.21	--	5.6	27.0	--	4.5	--	--
02310000 - ANCLOTE RIVER NR ELFERS, FLA. (LAT 28 12 50 LONG 082 40 00)											
OCT , 1978											
03...	1045	--	--	7.41	10	7.2	24.5	--	5.2	--	--
NOV											
28...	0910	--	--	6.80	2.9	7.4	21.0	--	3.6	--	--
FEB , 1979											
05...	1000	--	--	8.18	14	6.9	14.5	--	7.3	--	--
APR											
03...	1200	--	--	7.60	10	6.9	22.5	--	4.4	--	--
MAY											
22...	1040	--	--	10.79	--	6.5	21.0	--	4.9	54	--
29...	1100	--	--	10.74	--	6.8	21.0	--	7.3	81	--
JUL											
24...	0915	--	--	--	--	6.8	25.0	--	4.5	53	--
02310240 - JUMPING GULLY AT LOYCE, FLA. (LAT 28 23 06 LONG 082 29 22)											
MAR , 1979											
13...	1515	--	--	3.36	--	6.6	22.0	--	11.5	--	--
26...	1455	--	--	2.90	--	8.0	19.0	--	11.5	--	--
MAY											
21...	1240	--	--	3.55	--	5.8	26.0	--	5.6	68	--
SEP											
06...	1130	--	--	4.31	--	6.3	28.0	--	4.5	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE AS HCO3 (MG/L) (00440)
02310280 - PITHLACHASCOTEE RIVER NR FIVAY JUNCTION, FLA. (LAT 28 19 44 LONG 082 32 13)											
OCT , 1978											
24...	1330	--	--	11.08	--	6.8	22.0	--	2.3	--	--
NOV											
03...	1530	--	--	51.23	.50	6.5	19.0	--	7.4	--	--
JAN , 1979											
12...	1625	--	--	51.98	11	6.8	17.0	--	4.2	--	--
MAR											
02...	1205	--	--	51.86	8.0	6.5	18.0	--	10.0	--	--
MAY											
04...	1140	--	--	51.10	.01	6.4	24.0	--	1.3	--	--
21...	1300	--	--	51.88	--	5.9	21.0	--	2.7	30	--
JUN											
29...	1145	--	--	51.40	1.8	6.4	23.5	--	5.8	--	--
SEP											
11...	1045	--	--	52.10	16	6.4	25.5	--	1.8	--	--
02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)											
OCT , 1978											
10...	1155	--	--	1.60	--	7.1	22.5	--	7.5	--	--
24...	1415	--	--	--	--	7.2	23.0	--	5.3	61	170
NOV											
02...	1745	--	--	1.46	--	7.7	22.0	--	6.6	--	--
JAN , 1979											
11...	1700	--	--	2.71	--	8.0	14.0	--	8.6	--	--
MAR											
01...	1545	--	--	2.95	--	6.9	16.5	--	11.4	--	--
MAY											
03...	1530	--	--	1.41	--	7.7	24.5	--	7.5	--	--
22...	1120	--	--	4.29	--	6.8	21.0	--	6.3	70	--
JUN											
28...	1640	--	--	--	--	7.7	25.0	--	7.5	--	--
SEP											
12...	1215	--	--	--	--	7.1	25.0	--	5.3	63	--
02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)											
OCT , 1978											
25...	1340	--	--	2.51	--	7.1	24.5	--	2.0	--	160
NOV											
02...	1130	--	--	2.46	--	7.5	24.0	--	4.3	--	--
JAN , 1979											
11...	1225	--	--	2.02	159	7.7	24.0	--	3.0	--	--
MAR											
01...	1145	--	--	2.00	148	7.5	24.0	--	4.7	--	--
MAY											
03...	1200	--	--	1.80	151	7.5	24.0	--	2.0	--	--
22...	1300	--	--	1.92	--	7.8	24.0	--	2.1	24	--
JUN											
28...	1145	--	--	--	150	7.8	23.5	--	2.5	29	--
SEP											
05...	1130	--	--	--	182	7.7	24.5	--	2.0	23	--
02310800 - WITHLACOOCHEE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)											
OCT , 1978											
17...	1300	--	--	2.95	1.6	5.0	18.5	--	4.6	48	--
DEC											
13...	1320	--	--	2.61	.37	6.2	15.5	--	.6	5	--
JUN , 1979											
11...	1645	--	--	2.91	1.3	4.6	31.0	--	--	--	0
SEP											
19...	1600	--	--	5.35	159	4.4	26.0	4.0	5.2	63	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02310947 - WITHLACOOCHIE RIVER NEAR CUMPRESCO, FLA. (LAT 28 18 42 LONG 082 03 22)

JAN , 1979										
29...	0830	--	--	7.90	138	6.2	11.0	--	7.1	--
MAR										
22...	0830	--	--	8.24	227	6.2	20.0	--	5.9	--
MAY										
10...	1000	--	--	7.19	56	6.3	23.5	--	5.4	62
JUL										
02...	0930	--	--	5.49	2.0	6.7	27.0	--	4.3	--
SEP										
20...	1245	--	--	11.25	1030	6.2	25.0	--	4.1	49

02311000 - WITHLACOOCHIE-HILLSBOROUGH OV NR RICHLAND, FLA (LAT 28 16 16 LONG 082 05 53)

MAR , 1979										
07...	1600	--	--	3.68	64	6.7	17.5	--	5.8	--
MAY										
21...	1100	--	--	3.10	--	6.2	21.5	--	1.5	16

02311500 - WITHLACOOCHIE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

NOV , 1978										
08...	1100	--	--	69.05	8.5	7.7	21.0	--	6.4	71
JAN , 1979										
30...	0945	--	--	71.36	165	6.9	10.0	--	7.2	63
MAR										
21...	1015	--	--	72.61	394	6.3	18.0	--	4.4	46
MAY										
23...	1000	--	--	.04	289	6.7	22.5	--	3.8	43
JUL										
09...	1230	--	--	69.69	26	7.2	27.0	--	4.1	50
SEP										
19...	0830	--	--	75.16	1240	6.4	25.0	--	2.2	26

02311700 - DADE CITY CANAL NR DADE CITY, FLA. (LAT 28 22 55 LONG 082 10 48)

NOV , 1978										
08...	1300	--	--	68.03	7.6	7.6	25.0	--	5.4	--
JAN , 1979										
30...	1200	--	--	69.48	35	6.1	20.0	--	1.3	--
MAR										
21...	1300	--	--	68.28	12	6.7	20.0	--	1.7	--
MAY										
23...	1330	--	--	69.29	30	6.7	26.0	--	.3	3
JUL										
09...	1030	--	--	68.73	10	6.8	26.0	--	.2	--
SEP										
19...	1200	--	--	69.30	17	6.9	26.0	--	.5	6

02312000 - WITHLACOOCHIE RIVER AT TRILBY, FLA. (LAT 28 28 47 LONG 082 10 40)

OCT , 1978										
06...	1515	--	--	1.42	51	7.7	26.0	--	7.5	91
NOV										
08...	1500	--	--	1.21	31	7.5	22.0	--	6.7	--
JAN , 1979										
30...	1400	--	--	3.69	184	7.0	13.0	--	7.4	--
MAR										
21...	1615	--	--	8.26	744	6.3	19.0	--	5.5	--
MAY										
23...	1530	--	--	5.67	360	6.9	25.0	--	4.8	57
JUL										
06...	1015	--	--	1.93	57	7.5	28.0	--	5.6	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT, NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CF5) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
02312140 - BAYROOT SLOUGH HEADWATERS NR BAYLAKE, FLA. (LAT 28 27 23 LONG 081 55 14)											
SEP , 1979											
19...	1500	--	--	--	--	4.1	26.5	>18	3.8	46	--
02312180 - LITTLE WITHLACOOCHIEE RIVER NR TERRYTOWN, FLA. (LAT 28 31 17 LONG 082 03 18)											
OCT , 1978											
06...	0800	--	--	3.20	.01	6.6	23.5	--	1.7	19	--
JAN , 1979											
29...	1430	--	--	3.93	4.6	5.4	12.0	--	4.0	--	--
MAR											
22...	1415	--	--	4.35	37	5.6	22.0	--	7.3	--	--
MAY											
10...	1500	--	--	4.27	22	5.4	25.0	--	5.3	63	--
SEP											
20...	0715	--	--	5.76	459	5.2	25.0	--	2.8	33	--
02312197 - BIG GANT CANAL AT STRUCT WC-2 AT RERDELL, FLA. (LAT 28 34 16 LONG 082 08 54.01)											
NOV , 1978											
07...	1515	--	--	65.64	4.9	7.6	20.5	--	7.3	--	--
JAN , 1979											
26...	1400	--	--	65.75	18	7.8	14.0	--	8.3	--	--
MAR											
20...	1430	--	--	65.70	8.4	7.3	22.0	--	8.9	--	--
MAY											
22...	1345	--	--	65.76	20	7.1	26.0	--	5.6	68	--
JUL											
05...	1500	--	--	65.66	6.7	7.4	30.0	--	3.6	--	--
SEP											
18...	0715	--	--	66.76	32	7.2	27.0	--	2.4	29	--
02312200 - LITTLE WITHLACOOCHIEE RIVER AT RERDELL, FLA. (LAT 28 34 21 LONG 082 09 20)											
OCT , 1978											
09...	1230	--	--	2.14	6.3	6.9	23.0	--	5.6	64	--
NOV											
09...	1250	--	--	1.92	3.1	7.4	22.0	--	5.1	--	--
JAN , 1979											
26...	1145	--	--	2.95	25	7.2	13.0	--	6.5	--	--
MAR											
20...	1200	--	--	3.76	63	7.6	18.0	--	4.4	--	--
MAY											
22...	1140	--	--	3.20	34	6.5	23.5	--	3.3	38	--
JUL											
06...	1600	--	--	20.20	4.0	7.3	30.0	--	3.6	--	--
SEP											
21...	1430	--	--	6.07	390	6.2	26.0	--	3.6	43	--
02312500 - WITHLACOOCHIEE RIVER AT CROOM, FLA. (LAT 28 35 33 LONG 082 13 20)											
OCT , 1978											
09...	0930	--	--	2.42	91	7.8	23.0	--	7.6	87	--
NOV											
09...	1030	--	--	2.05	60	7.9	21.5	--	8.4	--	--
JAN , 1979											
26...	0845	--	--	3.48	174	7.8	13.0	--	9.1	--	--
MAR											
20...	0900	--	--	6.85	885	6.5	18.0	--	5.6	--	--
MAY											
22...	0845	--	--	5.12	400	6.9	24.5	--	4.9	58	--
JUL											
03...	1100	--	--	2.62	85	7.6	30.5	--	6.9	--	--
SEP											
21...	0930	--	--	8.66	1960	--	26.0	--	4.5	54	--

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	BICAR- BONATE AS HCO3) (00440)
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02312600 - WITHLACOOCHIE RIVER NR FLORAL CITY, FLA. (LAT 28 44 36 LONG 082 13 13)

NOV , 1978										
24...	0800	--	--	39.44	56	7.1	21.0	--	4.2	--
JAN , 1979										
24...	0845	--	--	40.60	--	7.5	15.0	--	--	--
MAR										
16...	1230	--	--	41.35	514	6.7	18.5	--	3.9	--
MAY										
18...	1115	--	--	41.41	447	7.1	24.5	--	4.8	57
JUL										
05...	1010	--	--	39.92	132	7.3	30.5	--	6.3	--
SEP										
17...	1115	--	--	42.15	1400	6.4	26.0	--	2.2	26

02312640 - JUMPER CREEK CANAL NR BUSHNELL, FLA. (LAT 28 41 45 LONG 082 06 34)

OCT , 1978										
05...	1600	--	--	2.95	20	8.0	25.0	--	8.3	99
NOV										
09...	0800	--	--	3.12	27	7.9	20.0	--	7.4	--
JAN , 1979										
25...	1310	--	--	3.38	32	7.7	15.0	--	10.0	--
MAR										
19...	1400	--	--	3.60	38	7.5	22.0	--	10.2	--
MAY										
21...	1430	--	--	2.75	19	7.7	25.5	--	8.7	105
JUL										
10...	1400	--	--	3.42	28	7.8	30.0	--	8.0	--
SEP										
13...	1230	--	--	2.68	19	7.8	26.0	--	6.0	73

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979										
22...	1515	--	--	--	--	8.4	18.5	20	10.4	110
MAY										
09...	1120	--	61.85	--	--	--	24.5	19	7.9	93

02312690 - CHITTY CHATY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)

FEB , 1979										
21...	1130	--	--	5.13	--	--	16.5	40	7.8	79
MAY										
09...	1230	--	--	7.23	--	--	23.5	25	--	--

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979										
21...	1030	--	56.66	--	--	8.4	16.5	>48	9.1	92
MAY										
09...	1050	--	57.10	--	--	--	23.5	>45	7.6	88

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
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02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978											
10...	1215	--	--	38.84	95	8.5	23.0	--	7.8	90	--
30...	--	--	--	38.91	92	8.5	25.0	>37	8.6	103	95
NOV											
21...	1445	--	--	38.96	89	8.3	23.5	--	9.7	--	--
30...	1300	--	--	39.04	98	8.7	23.5	>60	10.0	116	86
JAN , 1979											
18...	1045	--	--	39.30	112	7.7	15.0	--	8.3	81	102
FEB											
07...	1040	--	--	39.59	113	8.1	15.0	>60	9.7	95	--
MAR											
13...	1130	--	--	39.90	95	8.2	18.0	54	8.4	88	110
APR											
12...	1100	--	--	39.60	118	8.1	26.0	>63	6.7	81	--
MAY											
15...	0945	--	--	40.84	413	7.7	26.0	52	7.6	92	72
JUN											
27...	1115	--	--	39.45	187	7.9	28.5	62	5.9	75	--
JUL											
27...	1145	--	--	39.47	137	8.6	31.0	>62	8.1	107	--
AUG											
21...	1100	--	--	39.57	93	7.4	30.0	>57	6.4	83	--
SEP											
27...	0900	--	--	40.40	171	7.9	25.0	54	2.9	34	82

02312720 - WITHLACOOCHEE R AT WYSONG DAM AT CARLSON, FLA. (LAT 28 49 23 LONG 082 11 00)

OCT , 1978											
10...	0900	--	--	36.83	186	7.6	22.5	--	5.3	60	--
NOV											
21...	1145	--	--	36.72	178	7.6	22.5	--	5.8	--	--
JAN , 1979											
25...	0800	--	--	37.54	414	7.6	12.5	--	7.4	--	--
MAR											
19...	0815	--	--	38.18	677	7.2	19.0	--	3.9	--	--
MAY											
21...	0830	--	--	39.33	1000	7.1	24.5	--	3.8	45	--
JUL											
10...	0900	--	--	37.16	440	7.5	30.0	--	3.9	--	--
SEP											
13...	0745	--	--	38.07	690	6.1	27.0	--	2.1	26	--

02312975 - TSALA APOKA OUT CAN AT S-353, NR HERNANDO, FLA. (LAT 28 57 19 LONG 082 20 13.01)

OCT , 1978											
05...	1045	--	--	37.54	.20	7.0	26.0	--	5.1	62	--
NOV											
24...	1430	--	--	36.87	.12	7.9	24.0	--	9.4	--	--
MAR , 1979											
15...	1500	--	--	37.04	.10	7.7	21.5	--	10.6	--	--
MAY											
17...	1430	--	--	37.57	.30	7.4	27.5	--	6.8	85	--
JUL											
12...	1500	--	--	37.73	.50	8.1	32.0	--	9.0	--	--
SEP											
11...	1600	--	--	38.00	1.0	8.6	28.5	--	9.1	116	--

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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (000065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (000061)	PH (UNITS) (000400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (000077)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (000300)	BICAR- BONATE (MG/L AS HC03) (000440)
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02312976 - TSALA APOPKA OUT CAN BL S-353 NR HERNANDO, FLA. (LAT 28 57 19 LONG 082 20 13)

OCT , 1978										
05...	1045	--	--	29.53	--	7.4	25.0	--	6.2	74 --
NOV										
24...	1430	--	--	28.57	--	7.7	22.0	--	3.3	-- --
MAR , 1979										
15...	1500	--	--	30.51	--	7.2	21.0	--	6.8	-- --
MAY										
17...	1445	--	--	32.56	--	7.4	27.0	--	4.3	53 --
JUL										
12...	1500	--	--	29.71	--	7.0	28.0	--	4.4	-- --
SEP										
11...	1600	--	--	31.26	--	7.4	28.5	--	7.8	99 --

02313000 - WITHLACOOCHIE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978										
27...	1130	--	--	1.36	370	7.9	24.0	--	6.7	78 --
NOV										
28...	1300	--	--	1.07	250	7.6	21.5	--	7.2	80 --
DEC										
27...	1200	--	--	1.19	326	7.5	17.0	--	7.2	-- --
JAN , 1979										
23...	1330	--	--	1.80	480	7.4	15.5	--	7.8	77 --
FEB										
28...	1400	--	--	2.30	608	7.4	16.0	--	7.5	75 --
MAR										
30...	1230	--	--	3.50	870	7.2	21.5	--	4.4	49 --
APR										
11...	1030	--	--	2.84	780	7.2	23.0	--	3.7	42 --
MAY										
16...	1600	--	--	5.13	1420	7.2	24.0	--	3.8	44 --
JUN										
26...	1100	--	--	2.43	640	7.3	27.0	--	4.2	52 --
JUL										
26...	1300	--	--	2.43	520	7.7	29.0	--	5.3	68 --
AUG										
22...	1300	--	--	2.70	700	7.4	28.0	--	3.4	43 --
SEP										
12...	1030	--	--	3.80	990	7.1	27.0	--	2.5	31 --

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979										
17...	1200	--	--	30.86	630	7.6	24.0	--	--	-- 60
SEP										
11...	1045	--	--	31.17	635	7.7	23.5	--	7.1	82 --

02313180 - BLUE RUN AT DUNNELLON, FLA. (LAT 29 02 57 LONG 082 26 53)

NOV , 1978										
28...	0815	--	--	3.52	--	7.7	21.5	--	6.1	-- --
JAN , 1979										
23...	0850	--	--	3.57	--	7.8	20.0	--	6.5	-- --
MAR										
15...	0830	--	--	30.83	660	7.6	20.0	--	6.3	-- --
MAY										
17...	0800	--	--	30.86	--	7.6	23.0	--	6.1	70 --
JUL										
26...	1000	--	--	30.92	670	7.8	24.0	--	6.4	-- --
SEP										
11...	0745	--	--	31.17	635	7.3	23.5	--	5.7	66 --

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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN+ DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
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02313200 - WITHLACOOCHIE RIVER AT DUNNELLON, FLA. (LAT 29 02 45 LONG 082 27 53)

NOV , 1978											
22...	1630	--	--	27.68	--	7.7	22.0	--	6.2	--	--
JAN , 1979											
23...	1215	--	--	27.75	--	6.3	18.0	--	6.7	--	--
MAR											
15...	1200	--	--	27.81	--	7.2	20.0	--	6.4	--	--
MAY											
17...	1330	--	--	28.12	--	7.4	25.0	--	4.9	58	--
JUL											
25...	1550	--	--	27.70	--	7.1	28.0	--	7.2	--	--
SEP											
10...	1615	--	--	27.70	--	7.2	28.0	--	4.9	62	--

02313231 - WITHLACOOCHIE R BL INGLIS DAM NR DUNNELLON, FLA. (LAT 29 00 35 LONG 082 37 01.02)

NOV , 1978											
22...	1245	--	--	-10.30	--	7.5	22.0	--	6.1	--	--
JAN , 1979											
22...	1800	--	--	.78	--	6.8	15.0	--	7.8	--	--
MAR											
14...	1515	--	--	2.75	--	7.5	18.0	--	6.1	--	--
MAY											
16...	1330	--	--	-.55	--	7.3	27.0	--	5.4	67	--
JUL											
25...	1500	--	--	3.35	--	7.0	30.5	--	3.2	--	--
SEP											
11...	1430	--	--	-.10	--	8.1	29.0	--	7.7	99	--

02313250 - WITHLACOOCHIE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

NOV , 1978											
21...	1115	--	--	27.22	890	7.6	21.5	--	5.4	60	--
JAN , 1979											
22...	1210	--	--	27.18	1080	7.8	16.0	--	7.8	78	--
MAR											
14...	0900	--	--	26.92	1420	7.6	19.0	--	8.3	88	--
MAY											
16...	0815	--	--	26.87	1480	7.2	26.0	--	4.8	58	110
JUL											
25...	1030	--	--	27.22	1050	6.6	28.5	--	4.6	58	--
SEP											
10...	1000	--	--	26.74	1580	7.1	28.0	--	4.6	58	--

265924082044700 - PORT CHARLOTTE UNTREATED SURFACE WATER (LAT 26 59 24 LONG 082 04 47)

AUG , 1979											
22...	1430	--	--	--	--	7.3	31.0	--	--	--	--

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979											
31...	1400	--	--	--	--	6.8	21.0	--	--	--	190

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON, FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979											
29...	1200	--	--	--	--	7.0	16.5	--	--	--	20

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
275011082230600 - BULLFROG C 0.2 MI BL US 41 NR GIBSONTON, FLA 7 (LAT 27 50 11 LONG 082 23 06)											
OCT , 1978											
25...	1218	2.0	--	--	--	8.5	23.9	--	5.1	--	--
NOV											
14...	1201	1.0	--	--	--	8.6	24.0	--	8.9	--	--
14...	1203	3.0	--	--	--	8.6	23.9	--	9.3	--	--
DEC											
27...	1301	<1.0	--	--	--	7.6	16.4	--	4.9	--	--
275012082224200 - BULLFROG C 0.5 MI AB US 41 NR GIBSONTON, FLA 4 (LAT 27 50 12 LONG 082 22 42)											
OCT , 1978											
25...	1131	1.0	--	--	--	8.5	24.9	--	4.7	--	--
25...	1132	3.0	--	--	--	8.4	24.2	--	3.6	--	--
25...	1133	6.0	--	--	--	8.4	23.4	--	1.9	--	--
NOV											
14...	1141	1.0	--	--	--	8.4	24.0	--	7.1	--	--
14...	1142	3.0	--	--	--	8.4	23.9	--	7.8	--	--
14...	1143	7.0	--	--	--	8.3	23.9	--	7.5	--	--
DEC											
27...	1236	1.0	--	--	--	6.9	16.0	--	5.8	--	--
27...	1237	5.0	--	--	--	6.9	16.3	--	4.5	--	--
275012082231800 - BULLFROG C 0.5 MI BL US 41 NR GIBSONTON, FLA 8 (LAT 27 50 12 LONG 082 23 18)											
OCT , 1978											
25...	1302	1.0	--	--	--	8.0	24.0	--	3.5	--	--
NOV											
14...	1206	1.0	--	--	--	8.6	23.7	--	9.0	--	--
14...	1208	3.0	--	--	--	8.6	23.7	--	9.4	--	--
DEC											
27...	1306	1.0	--	--	--	8.2	16.2	--	6.3	--	--
275013082233200 - BULLFROG C 0.8 MI BL US 41 NR GIBSONTON, FLA 9 (LAT 27 50 13 LONG 082 23 32)											
OCT , 1978											
25...	1312	1.0	--	--	--	8.7	24.2	--	7.0	--	--
NOV											
14...	1216	1.0	--	--	--	8.7	26.4	--	11.3	--	--
14...	1218	2.0	--	--	--	8.6	26.0	--	11.3	--	--
DEC											
27...	1311	1.0	--	--	--	7.7	15.9	--	5.2	--	--
275015082225300 - BULLFROG C AT US 41 NR GIBSONTON, FLA 6 (LAT 27 50 15 LONG 082 22 53)											
OCT , 1978											
25...	1146	1.0	--	--	--	8.5	24.2	--	4.2	--	--
25...	1148	4.0	--	--	--	8.5	23.2	--	2.2	--	--
NOV											
14...	1151	1.0	--	--	--	8.5	24.5	--	8.4	--	--
14...	1153	4.0	--	--	--	8.4	24.1	--	8.2	--	--
DEC											
27...	1251	1.0	--	--	--	7.8	16.2	--	4.6	--	--
27...	1252	3.0	--	--	--	7.8	16.1	--	5.2	--	--
275023082211300 - BULLFROG C 2.7 MI AB US 41 NR GIBSONTON, FLA 2AA (LAT 27 50 23 LONG 082 21 13)											
NOV , 1978											
14...	1025	1.0	--	--	--	7.8	20.8	--	5.6	--	--
14...	1027	4.0	--	--	--	7.8	20.7	--	5.0	--	--
DEC											
27...	1141	1.0	--	--	--	8.4	16.0	--	5.8	--	--
27...	1142	3.0	--	--	--	8.5	15.9	--	5.7	--	--
27...	1143	6.0	--	--	--	8.5	15.9	--	5.7	--	--

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
275029082214200 - BULLFROG C 2 MI AB US 41 NR GIBSONTON, FLA 2A (LAT 27 50 29 LONG 082 21 42)											
OCT , 1978											
25...	1046	1.0	--	--	--	7.4	24.7	--	5.0	--	--
25...	1048	3.0	--	--	--	7.2	26.1	--	<1.0	--	--
NOV											
14...	1046	1.0	--	--	--	7.9	22.8	--	7.4	--	--
14...	1048	3.0	--	--	--	7.9	22.2	--	5.5	--	--
DEC											
27...	1156	1.0	--	--	--	8.1	16.1	--	5.6	--	--
27...	1157	4.0	--	--	--	8.2	16.1	--	5.6	--	--
275030082223800 - BULLFROG C 1.0 MI AB US 41 NR GIBSONTON, FLA 3 (LAT 27 50 30 LONG 082 22 38)											
OCT , 1978											
25...	1116	1.0	--	--	--	8.3	24.8	--	5.2	--	--
25...	1118	4.0	--	--	--	8.3	25.0	--	3.0	--	--
NOV											
14...	1121	1.0	--	--	--	8.2	23.5	--	5.2	--	--
14...	1123	4.0	--	--	--	8.2	23.4	--	4.3	--	--
DEC											
27...	1226	1.0	--	--	--	7.8	16.1	--	5.4	--	--
27...	1227	4.0	--	--	--	7.8	16.1	--	6.0	--	--
275038082220300 - BULLFROG C 1.5 MI AB US 41 NR GIBSONTON, FLA 2 (LAT 27 50 38 LONG 082 22 03)											
OCT , 1978											
25...	1106	1.0	--	--	--	8.0	25.8	--	3.1	--	--
25...	1108	4.0	--	--	--	7.9	25.8	--	1.6	--	--
NOV											
14...	1106	1.0	--	--	--	7.9	23.6	--	6.8	--	--
14...	1108	2.0	--	--	--	7.9	23.5	--	5.8	--	--
DEC											
27...	1211	1.0	--	--	--	8.0	16.2	--	5.8	--	--
275042082210700 - BULLFROG CREEK AT E BAY RD NR GIBSONTON, FLA 1 (LAT 27 50 42 LONG 082 21 07)											
NOV , 1978											
14...	1006	1.0	--	--	--	7.7	20.7	--	5.3	--	--
14...	1008	2.0	--	--	--	7.7	20.7	--	4.7	--	--
DEC											
27...	1126	1.0	--	--	--	8.7	15.9	--	5.8	--	--
275103082243800 - ALAFIA R 1.8 MI BL US 41 NR GIBSONTON, FLA 1 (LAT 27 51 03 LONG 082 24 38)											
OCT , 1978											
24...	1021	1.0	--	--	--	8.5	22.4	--	5.6	--	--
24...	1022	6.0	--	--	--	8.3	22.3	--	5.8	--	--
24...	1023	13	--	--	--	8.5	22.3	--	5.2	--	--
NOV											
13...	1031	1.0	--	--	--	8.4	23.2	--	7.2	--	--
13...	1032	3.0	--	--	--	8.5	22.7	--	6.3	--	--
13...	1033	7.0	--	--	--	8.5	22.0	--	1.0	--	--
JAN , 1979											
12...	1036	1.0	--	--	--	8.4	14.9	--	8.7	--	--
12...	1037	3.0	--	--	--	8.5	14.9	--	8.5	--	--
12...	1038	6.0	--	--	--	8.5	14.8	--	7.8	--	--
26...	0742	10	--	--	--	7.1	14.8	--	5.4	--	--
26...	0743	20	--	--	--	7.0	14.7	--	4.2	--	--

SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT, NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
275110082235800 - ALAFIA R 1.0 MI BL US 41 NR GIBSONTON, FLA 2 (LAT 27 51 10 LONG 082 23 58)											
OCT , 1978											
24...	1046	1.0	--	--	--	8.4	23.1	--	4.5	--	--
24...	1047	18	--	--	--	8.3	23.2	--	4.5	--	--
24...	1048	36	--	--	--	8.2	23.2	--	2.9	--	--
NOV											
13...	1046	1.0	--	--	--	8.4	23.8	--	6.9	--	--
13...	1047	14	--	--	--	8.3	22.1	--	4.5	--	--
13...	1048	27	--	--	--	8.0	22.0	--	5.7	--	--
JAN , 1979											
26...	0801	1.0	--	--	--	7.7	14.9	--	6.5	--	--
26...	0802	19	--	--	--	7.4	15.0	--	7.0	--	--
26...	0803	38	--	--	--	7.4	15.2	--	7.8	--	--
275118082233200 - ALAFIA R 0.5 MI BL US 41 NR GIBSONTON, FLA 3 (LAT 27 51 18 LONG 082 23 32)											
OCT , 1978											
24...	1101	1.0	--	--	--	8.2	24.5	--	6.3	--	--
24...	1102	18	--	--	--	8.2	23.2	--	3.7	--	--
24...	1103	36	--	--	--	8.1	23.8	--	2.0	--	--
NOV											
13...	1101	1.0	--	--	--	8.3	23.8	--	4.3	--	--
13...	1102	17	--	--	--	8.1	22.8	--	3.7	--	--
13...	1103	35	--	--	--	7.8	22.4	--	4.5	--	--
JAN , 1979											
12...	1051	1.0	--	--	--	7.6	17.2	--	7.8	--	--
12...	1052	19	--	--	--	7.6	14.5	--	7.0	--	--
12...	1053	37	--	--	--	7.9	14.6	--	4.5	--	--
26...	0811	1.0	--	--	--	7.3	15.5	--	5.8	--	--
26...	0812	16	--	--	--	6.9	14.8	--	6.0	--	--
26...	0813	32	--	--	--	6.9	15.1	--	5.2	--	--
275123082223900 - ALAFIA R 0.5 MI AB US 41 NR GIBSONTON, FLA 4A (LAT 27 51 23 LONG 082 22 39)											
OCT , 1978											
24...	1121	1.0	--	--	--	8.7	23.6	--	9.4	--	--
24...	1122	4.0	--	--	--	8.3	23.8	--	5.6	--	--
24...	1123	8.0	--	--	--	8.3	23.7	--	3.5	--	--
NOV											
13...	1116	1.0	--	--	--	8.4	24.0	--	6.0	--	--
13...	1117	3.0	--	--	--	8.4	22.9	--	5.4	--	--
13...	1118	6.0	--	--	--	8.4	22.8	--	5.1	--	--
JAN , 1979											
12...	1106	1.0	--	--	--	8.2	16.5	--	8.1	--	--
12...	1107	4.0	--	--	--	8.2	15.0	--	8.0	--	--
12...	1108	7.0	--	--	--	8.1	14.8	--	8.4	--	--
26...	0836	1.0	--	--	--	7.2	14.7	--	5.7	--	--
26...	0837	3.0	--	--	--	7.2	14.9	--	5.4	--	--
26...	0838	6.0	--	--	--	7.1	15.1	--	5.0	--	--
MAR											
06...	1126	1.0	--	--	--	8.0	20.1	--	6.4	--	--
06...	1127	3.0	--	--	--	8.0	20.2	--	6.4	--	--
06...	1128	7.0	--	--	--	7.8	21.1	--	3.5	--	--

SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
275125082213700 - ALAFIA R 1.6 MI AB US 41 NR GIBSONTON, FLA 5A (LAT 27 51 25 LONG 082 21 37)											
OCT , 1978											
24...	1136	1.0	--	--	--	8.5	24.5	--	9.2	--	--
24...	1137	3.0	--	--	--	8.3	23.8	--	2.6	--	--
24...	1138	7.0	--	--	--	8.3	23.7	--	3.5	--	--
NOV											
13...	1126	1.0	--	--	--	8.1	24.0	--	6.4	--	--
13...	1127	3.0	--	--	--	8.1	23.8	--	6.8	--	--
13...	1128	7.0	--	--	--	8.1	23.7	--	6.1	--	--
JAN , 1979											
12...	1126	1.0	--	--	--	8.3	16.9	--	7.2	--	--
12...	1127	4.0	--	--	--	8.2	16.6	--	6.9	--	--
12...	1128	8.0	--	--	--	8.2	15.9	--	6.5	--	--
26...	0856	1.0	--	--	--	7.2	14.8	--	6.2	--	--
26...	0857	3.0	--	--	--	7.3	14.8	--	6.0	--	--
26...	0858	6.0	--	--	--	7.0	14.8	--	5.3	--	--
MAR											
06...	1141	1.0	--	--	--	8.1	20.3	--	5.7	--	--
06...	1142	3.0	--	--	--	8.0	20.5	--	4.8	--	--
06...	1143	7.0	--	--	--	7.7	20.9	--	2.6	--	--
275127082210700 - ALAFIA R 2.1 MI AB US 41 NR GIBSONTON, FLA 6 (LAT 27 51 27 LONG 082 21 07)											
OCT , 1978											
24...	1141	1.0	--	--	--	8.4	24.9	--	7.7	--	--
24...	1143	4.0	--	--	--	8.1	23.9	--	2.1	--	--
NOV											
13...	1136	1.0	--	--	--	7.7	24.0	--	7.6	--	--
13...	1138	5.0	--	--	--	7.6	23.3	--	5.4	--	--
JAN , 1979											
12...	1136	1.0	--	--	--	8.3	17.0	--	6.0	--	--
12...	1137	3.0	--	--	--	8.2	16.3	--	6.2	--	--
12...	1138	6.0	--	--	--	8.1	15.9	--	4.0	--	--
26...	0911	1.0	--	--	--	7.2	14.7	--	5.2	--	--
26...	0912	4.0	--	--	--	7.2	14.7	--	5.2	--	--
MAR											
06...	1151	1.0	--	--	--	8.0	20.6	--	3.8	--	--
06...	1152	5.0	--	--	--	7.8	21.0	--	2.7	--	--
275129082220700 - ALAFIA R 1.1 MI AB US 41 NR GIBSONTON, FLA 5 (LAT 27 51 29 LONG 082 22 07)											
OCT , 1978											
24...	1126	1.0	--	--	--	8.6	24.1	--	9.3	--	--
24...	1128	5.0	--	--	--	8.3	23.7	--	3.1	--	--
NOV											
13...	1121	1.0	--	--	--	8.4	24.3	--	6.2	--	--
13...	1122	3.0	--	--	--	8.5	23.6	--	5.4	--	--
13...	1123	6.0	--	--	--	8.6	23.5	--	5.0	--	--
JAN , 1979											
12...	1116	1.0	--	--	--	8.2	17.0	--	7.3	--	--
12...	1117	5.0	--	--	--	8.2	16.7	--	7.6	--	--
26...	0846	1.0	--	--	--	7.2	14.9	--	5.1	--	--
26...	0847	3.0	--	--	--	7.2	14.9	--	5.1	--	--
MAR											
06...	1136	1.0	--	--	--	8.1	20.2	--	5.9	--	--
06...	1137	4.0	--	--	--	8.0	20.2	--	5.5	--	--

SURFACE WATER QUALITY RECORDS
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FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE AS HCO3) (00440)
------	------	--	--	--	--	--------------------------	--	---	--	---	--

275132082230500 - ALAFIA R AT US 41 AT GIBSONTON, FLA (LAT 27 51 32 LONG 082 23 05)

OCT , 1978											
24...	1111	1.0	--	--	--	8.4	23.6	--	7.1	--	--
24...	1112	6.0	--	--	--	8.2	23.7	--	3.9	--	--
24...	1113	12	--	--	--	8.2	23.7	--	3.7	--	--
NOV											
13...	1111	1.0	--	--	--	8.4	23.0	--	5.6	--	--
13...	1112	5.0	--	--	--	8.4	22.6	--	5.3	--	--
13...	1113	10	--	--	--	8.3	22.6	--	5.5	--	--
JAN , 1979											
12...	1101	1.0	--	--	--	8.0	17.0	--	7.9	--	--
12...	1102	4.5	--	--	--	7.9	14.5	--	8.3	--	--
12...	1103	9.0	--	--	--	7.9	14.5	--	7.8	--	--
26...	0826	1.0	--	--	--	7.4	14.8	--	6.5	--	--
26...	0827	4.0	--	--	--	7.1	15.3	--	5.3	--	--
26...	0828	9.0	--	--	--	7.2	15.6	--	4.8	--	--
MAR											
06...	1116	1.0	--	--	--	7.9	20.0	--	7.0	--	--
06...	1117	5.0	--	--	--	7.6	21.4	--	3.6	--	--
06...	1118	10	--	--	--	7.5	21.2	--	3.8	--	--

275133082204000 - ALAFIA R 2.6 MI AB US 41 NR GIBSONTON, FLA 6A (LAT 27 51 33 LONG 082 20 40)

OCT , 1978											
24...	1146	1.0	--	--	--	8.4	24.7	--	9.3	--	--
24...	1147	4.0	--	--	--	8.2	24.2	--	2.3	--	--
24...	1148	9.0	--	--	--	8.2	24.1	--	<1.0	--	--
NOV											
13...	1141	1.0	--	--	--	8.1	23.7	--	6.9	--	--
13...	1142	3.0	--	--	--	8.0	23.5	--	5.7	--	--
13...	1143	6.0	--	--	--	7.9	23.5	--	5.7	--	--
JAN , 1979											
12...	1146	1.0	--	--	--	7.1	16.9	--	6.3	--	--
12...	1147	4.0	--	--	--	7.2	16.3	--	6.7	--	--
12...	1148	8.0	--	--	--	7.3	15.9	--	4.6	--	--
26...	0931	1.0	--	--	--	7.2	14.6	--	6.1	--	--
26...	0932	5.0	--	--	--	7.2	14.6	--	5.4	--	--
MAR											
06...	1201	1.0	--	--	--	7.9	20.7	--	5.3	--	--
06...	1202	3.0	--	--	--	7.8	21.0	--	4.3	--	--
06...	1203	7.0	--	--	--	7.6	21.0	--	2.6	--	--

275146082170000 - ALAFIA R 5.2 MI AB US 301 NR RIVERVIEW, FLA 14 (LAT 27 51 46 LONG 082 17 00)

NOV , 1978											
13...	1356	1.0	--	--	--	7.9	22.3	--	5.7	--	--
13...	1358	5.0	--	--	--	7.9	21.9	--	5.9	--	--

SURFACE WATER QUALITY RECORDS
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FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
275147082200800 - ALAFIA R 3.2 MI AB US 41 NR GIBSONTON, FLA 7 (LAT 27 51 47 LONG 082 20 08)											
OCT , 1978											
24...	1201	1.0	--	--	--	8.6	24.9	--	10.6	--	--
24...	1203	4.0	--	--	--	8.2	24.6	--	1.9	--	--
NOV											
13...	1151	1.0	--	--	--	8.3	23.8	--	5.6	--	--
13...	1153	4.0	--	--	--	8.3	23.5	--	5.5	--	--
JAN , 1979											
12...	1151	1.0	--	--	--	8.2	17.1	--	6.0	--	--
12...	1152	3.0	--	--	--	8.0	16.4	--	6.2	--	--
12...	1153	6.0	--	--	--	7.6	16.1	--	4.6	--	--
MAR											
06...	1206	1.0	--	--	--	8.2	20.9	--	5.6	--	--
06...	1207	5.0	--	--	--	7.8	21.1	--	3.0	--	--
275152082185300 - ALAFIA R 0.8 MI AB US 301 NR RIVERVIEW, FLA 9 (LAT 27 51 52 LONG 082 18 53)											
OCT , 1978											
24...	1321	1.0	--	--	--	8.2	24.1	--	4.6	--	--
24...	1322	4.0	--	--	--	8.0	24.7	--	2.5	--	--
24...	1323	8.0	--	--	--	8.0	25.3	--	1.0	--	--
NOV											
13...	1251	1.0	--	--	--	8.1	24.5	--	4.6	--	--
13...	1252	6.0	--	--	--	8.0	23.4	--	2.9	--	--
13...	1253	12	--	--	--	8.0	23.7	--	2.3	--	--
JAN , 1979											
12...	1301	1.0	--	--	--	8.1	17.3	--	6.5	--	--
12...	1302	5.0	--	--	--	8.0	16.6	--	5.0	--	--
12...	1303	9.0	--	--	--	7.8	16.5	--	5.0	--	--
MAR											
06...	1231	1.0	--	--	--	8.1	21.0	--	5.5	--	--
06...	1232	5.0	--	--	--	8.1	21.0	--	5.4	--	--
06...	1233	11	--	--	--	7.6	20.9	--	1.5	--	--
275201082191500 - ALAFIA R 0.3 MI AB US 301 NR RIVERVIEW, FLA 8A (LAT 27 52 01 LONG 082 19 15)											
OCT , 1978											
24...	1216	1.0	--	--	--	8.3	23.9	--	5.5	--	--
24...	1218	5.0	--	--	--	7.8	25.4	--	<1.0	--	--
NOV											
13...	1206	1.0	--	--	--	8.1	24.2	--	5.5	--	--
13...	1207	3.0	--	--	--	8.0	23.4	--	4.2	--	--
13...	1208	7.0	--	--	--	7.9	23.5	--	3.7	--	--
JAN , 1979											
12...	1211	1.0	--	--	--	8.2	17.0	--	6.7	--	--
12...	1212	4.0	--	--	--	8.0	16.5	--	6.0	--	--
12...	1213	8.0	--	--	--	7.6	16.4	--	3.4	--	--
MAR											
06...	1221	1.0	--	--	--	8.0	21.0	--	5.6	--	--
06...	1222	3.0	--	--	--	8.1	21.1	--	5.1	--	--
06...	1223	7.0	--	--	--	7.9	21.1	--	4.7	--	--

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FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
275207082193500 - ALAFIA R AT US 301 NR RIVERVIEW, FLA 8 (LAT 27 52 07 LONG 082 19 35)											
OCT , 1978											
24...	1206	1.0	--	--	--	8.6	24.0	--	6.0	--	--
24...	1207	3.0	--	--	--	8.3	24.7	--	3.4	--	--
24...	1208	7.0	--	--	--	8.1	24.9	--	2.0	--	--
NOV											
13...	1156	1.0	--	--	--	7.8	24.2	--	6.6	--	--
13...	1157	4.0	--	--	--	7.9	23.4	--	5.2	--	--
13...	1158	8.0	--	--	--	7.9	23.5	--	4.2	--	--
JAN , 1979											
12...	1206	1.0	--	--	--	8.2	17.1	--	6.6	--	--
12...	1207	5.0	--	--	--	7.8	16.4	--	5.6	--	--
12...	1208	10	--	--	--	7.8	16.2	--	4.7	--	--
MAR											
06...	1216	1.0	--	--	--	8.1	21.1	--	5.2	--	--
06...	1217	5.0	--	--	--	7.7	21.0	--	2.0	--	--
06...	1218	11	--	--	--	7.6	20.8	--	1.5	--	--
275216082171400 - ALIFIA R 4.5 MI AB US 301 NR RIVERVIEW, FLA 13 (LAT 27 52 16 LONG 082 17 14)											
OCT , 1978											
24...	1431	1.0	--	--	--	7.7	23.2	--	4.3	--	--
24...	1432	6.0	--	--	--	7.7	23.1	--	4.8	--	--
24...	1433	13	--	--	--	7.7	23.1	--	4.0	--	--
NOV											
13...	1346	1.0	--	--	--	8.4	22.6	--	4.9	--	--
13...	1347	7.0	--	--	--	8.2	22.3	--	4.1	--	--
13...	1348	14	--	--	--	7.3	23.6	--	<1.0	--	--
275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)											
APR , 1979											
11...	0815	--	--	--	--	--	--	--	--	--	138
275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)											
MAR , 1979											
28...	1130	--	--	--	--	--	--	--	--	--	113
JUN											
04...	1010	--	--	--	--	8.6	30.5	--	--	--	--
04...	1100	--	--	--	--	7.9	29.0	--	--	--	--
05...	1245	--	--	--	--	8.8	32.0	--	--	--	--
05...	1315	--	--	--	--	8.0	30.5	--	--	--	--
JUL											
16...	1230	--	--	--	--	8.9	31.0	--	--	--	--
AUG											
15...	1220	--	--	--	--	6.9	28.0	--	--	--	--
30...	1215	--	--	--	--	7.7	30.5	--	--	--	--
SEP											
06...	1330	--	--	--	--	7.4	30.5	--	--	--	--
275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)											
APR , 1979											
05...	1430	--	--	--	--	--	--	--	--	--	142
JUN											
04...	1017	--	--	--	--	9.3	29.0	--	--	--	--
05...	1230	--	--	--	--	9.3	32.0	--	--	--	--
JUL											
16...	1200	--	--	--	--	8.9	31.0	--	--	--	--
20...	0850	--	--	--	--	7.5	30.0	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE AS HC03) (00440)
275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)											
JAN , 1979											
23...	1030	--	--	--	--	7.4	16.5	--	--	--	--
APR											
05...	1515	--	--	--	--	8.1	26.0	--	--	--	--
JUL											
12...	1345	--	--	--	--	7.4	32.0	--	--	--	--
275242082175300 - ALAFIA R 3.6 MI AB US 301 NR RIVERVIEW, FLA 12 (LAT 27 52 42 LONG 082 17 53)											
OCT , 1978											
24...	1416	1.0	--	--	--	7.9	23.4	--	4.4	--	--
24...	1417	5.0	--	--	--	8.0	23.3	--	4.3	--	--
24...	1418	10	--	--	--	7.6	23.2	--	3.9	--	--
NOV											
13...	1331	1.0	--	--	--	8.1	22.7	--	3.6	--	--
13...	1332	7.0	--	--	--	7.8	22.6	--	2.9	--	--
13...	1333	14	--	--	--	7.5	23.8	--	<1.0	--	--
JAN , 1979											
12...	1346	1.0	--	--	--	7.8	16.8	--	6.3	--	--
12...	1347	7.0	--	--	--	7.8	16.8	--	6.2	--	--
12...	1348	13	--	--	--	7.9	16.8	--	6.3	--	--
275253082183700 - ALAFIA R 1.7 MI AB US 301 NR RIVERVIEW, FLA 10 (LAT 27 52 53 LONG 082 18 37)											
OCT , 1978											
24...	1341	1.0	--	--	--	8.1	23.9	--	5.2	--	--
24...	1342	5.0	--	--	--	7.6	24.9	--	<1.0	--	--
24...	1343	11	--	--	--	7.6	25.0	--	<1.0	--	--
NOV											
13...	1306	1.0	--	--	--	8.0	24.4	--	3.7	--	--
13...	1307	3.0	--	--	--	7.9	23.6	--	2.7	--	--
13...	1308	7.0	--	--	--	7.8	23.4	--	1.8	--	--
JAN , 1979											
12...	1316	1.0	--	--	--	8.3	17.1	--	7.2	--	--
12...	1317	6.0	--	--	--	7.8	16.7	--	4.2	--	--
12...	1318	12	--	--	--	7.5	16.8	--	3.5	--	--
MAR											
06...	1241	1.0	--	--	--	8.3	20.8	--	6.2	--	--
06...	1242	6.0	--	--	--	8.4	20.8	--	5.2	--	--
06...	1243	12	--	--	--	8.1	20.7	--	5.0	--	--
275305082182600 - ALAFIA R 2.6 MI AB US 301 NR RIVERVIEW, FLA 11 (LAT 27 53 05 LONG 082 18 26)											
OCT , 1978											
24...	1401	1.0	--	--	--	8.0	23.5	--	4.8	--	--
24...	1403	5.0	--	--	--	7.7	23.7	--	2.3	--	--
NOV											
13...	1316	1.0	--	--	--	8.0	23.9	--	3.2	--	--
13...	1317	4.0	--	--	--	7.9	23.0	--	1.6	--	--
13...	1318	9.0	--	--	--	7.6	23.7	--	<1.0	--	--
JAN , 1979											
12...	1331	1.0	--	--	--	8.1	16.6	--	6.5	--	--
12...	1332	6.0	--	--	--	8.4	16.6	--	6.4	--	--
12...	1333	12	--	--	--	7.4	16.8	--	3.5	--	--
275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)											
OCT , 1978											
27...	1630	--	--	--	--	8.3	25.0	--	--	--	156
MAY , 1979											
23...	1100	--	--	--	--	7.2	25.0	--	4.4	--	106

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
275853082283300 - HILLSBOROUGH RIVER AT BUFFALO AVENUE NR TAMPA (LAT 27 58 53 LONG 082 28 33)											
AUG , 1979											
07...	1720	--	--	--	--	7.2	28.5	--	1.3	16	--
275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)											
OCT , 1978											
27...	1430	--	--	14.04	--	7.7	22.5	--	5.9	--	176
MAY , 1979											
23...	1515	--	--	13.89	--	6.8	25.0	--	3.0	--	72
280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)											
OCT , 1978											
30...	0915	--	--	--	--	7.4	23.0	--	1.6	--	184
MAY , 1979											
25...	1030	--	--	--	--	6.4	23.0	--	1.6	--	74
280038082275400 - HILLSBOROUGH RIVER AT SLIGH AVE AT TAMPA,FLA (LAT 28 00 38 LONG 082 27 54)											
OCT , 1978											
10...	1815	--	--	--	--	7.4	27.5	--	3.4	--	--
NOV											
02...	0915	--	--	--	--	7.1	24.0	--	2.7	--	--
30...	0830	--	--	--	--	7.4	24.5	--	2.1	--	--
JAN , 1979											
11...	0800	--	--	--	--	7.5	19.5	--	2.7	--	--
FEB											
12...	0850	--	--	--	--	7.3	15.5	--	6.8	--	--
MAR											
12...	0810	--	--	--	--	7.2	16.0	--	7.9	--	--
APR											
10...	0710	--	--	--	--	7.7	23.5	--	3.6	--	--
MAY											
04...	1515	--	--	--	--	7.4	28.0	--	3.5	--	--
JUN											
06...	1700	--	--	--	--	7.0	27.0	--	4.6	57	--
JUL											
02...	1520	--	--	--	--	7.2	28.0	--	4.1	51	--
31...	1530	--	--	--	--	7.1	31.0	--	5.1	67	--
AUG											
07...	1645	--	--	--	--	7.0	29.0	--	4.9	63	--
SEP											
10...	1400	--	--	--	--	6.5	27.0	--	8.3	103	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (000003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (000065)	STREAM- FLOW. INSTAN- TANEOUS (CFS) (000061)	PH (UNITS) (000400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (000077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
280048082262900 - HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA,FLA (LAT 28 00 48 LONG 082 26 29)											
OCT , 1978											
10...	1800	--	--	-0.72	--	7.6	26.0	--	8.5	--	--
NOV											
02...	0955	--	--	-1.45	--	7.1	23.5	--	4.7	--	--
30...	0900	--	--	-0.78	--	7.3	24.0	--	3.0	--	--
JAN , 1979											
11...	0830	--	--	-0.35	--	7.5	15.5	--	6.4	--	--
FEB											
12...	0920	--	--	-1.42	--	7.5	12.5	--	10.2	--	--
MAR											
12...	0955	--	--	1.54	--	7.0	15.5	--	8.2	--	--
APR											
10...	0750	--	--	-0.23	--	7.0	23.5	--	3.6	--	--
MAY											
04...	1445	--	--	1.58	--	7.5	27.0	--	4.1	--	--
JUN											
06...	1830	--	--	5.34	--	6.9	28.0	--	4.3	54	--
JUL											
02...	1445	--	--	0.02	--	7.0	30.0	--	4.2	55	--
31...	1445	--	--	0.19	--	6.9	30.0	--	5.6	73	--
AUG											
07...	1555	--	--	2.44	--	6.9	29.0	--	6.9	88	--
SEP											
10...	1330	--	--	1.84	--	6.5	27.0	--	8.5	105	--
280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)											
JAN , 1979											
30...	1130	--	--	--	--	7.1	15.0	--	--	--	99
280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)											
OCT , 1978											
30...	1530	--	--	14.08	--	8.4	25.0	--	--	--	174
MAY , 1979											
24...	0900	--	--	13.73	--	7.0	25.0	--	6.0	--	73
280111082270400 - HILLSBOROUGH RIVER AT NEBRASKA AVENUE NR TAMPA (LAT 28 01 11 LONG 082 27 04)											
AUG , 1979											
07...	1620	--	--	--	--	7.1	30.5	--	5.5	72	--
280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)											
OCT , 1978											
30...	1300	--	--	--	--	7.8	24.0	--	2.9	--	180
MAY , 1979											
25...	0900	--	--	--	--	7.2	25.0	--	4.1	49	105
280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)											
OCT , 1978											
26...	1630	--	--	--	--	6.9	25.0	--	--	--	164
MAY , 1979											
25...	1525	--	--	--	--	6.4	25.0	--	3.0	--	44

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HCO3) (00440)
280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)											
OCT , 1978											
30...	1115	--	--	--	--	7.7	25.0	--	5.8	--	172
MAY , 1979											
25...	1700	--	--	--	--	6.8	24.0	--	3.2	--	78
280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)											
DEC , 1978											
12...	0940	--	--	--	--	--	--	--	7.3	49	--
281017082114100 - HILLS. R AT CONFLNC WITH BIG DITCH NR ZHILLS,FLA (LAT 28 01 07 LONG 082 11 41)											
DEC , 1978											
12...	0800	--	--	--	--	--	14.0	--	8.6	82	--
12...	1325	--	--	--	--	--	14.5	--	8.7	84	--
281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)											
DEC , 1978											
12...	0735	--	--	--	--	--	21.5	--	6.5	73	--
12...	1300	--	--	--	--	--	22.0	--	7.9	89	--
284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)											
OCT , 1978											
30...	1345	--	--	--	--	7.8	24.0	>53	5.0	58	190
NOV											
30...	0845	--	--	--	--	7.6	22.0	>48	4.7	53	190
JAN , 1979											
18...	1415	--	--	--	--	7.5	17.0	>48	6.6	67	190
FEB											
07...	1000	--	--	--	--	7.6	17.0	>30	5.9	60	--
MAR											
13...	1045	--	--	--	--	7.2	17.0	>36	5.8	59	170
APR											
12...	1030	--	--	--	--	7.4	23.5	>36	4.6	53	--
MAY											
15...	1130	--	--	--	--	7.0	24.0	52	6.0	7	150
JUN											
27...	1045	--	--	--	--	7.3	25.0	>45	4.2	50	--
JUL											
27...	1115	--	--	--	--	7.5	27.0	>42	4.2	52	--
AUG											
21...	1210	--	--	--	--	7.7	27.5	>48	4.6	57	--
SEP											
27...	0800	--	--	--	--	6.7	23.0	39	2.6	30	132

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT, NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	BICAR- BONATE AS HC03 (00440)
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284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978											
30...	1300	--	38.95	--	--	8.7	25.0	41	8.3	99	74
NOV											
30...	1030	--	38.96	--	--	8.4	22.0	>52	7.3	82	79
JAN , 1979											
18...	1340	--	39.36	--	--	7.9	16.0	>70	10.1	101	94
FEB											
07...	1150	--	39.59	--	--	8.4	14.5	>60	10.4	101	--
MAR											
13...	1330	--	39.90	--	--	8.4	19.0	53	9.3	99	110
APR											
12...	1145	--	39.60	--	--	8.2	25.0	48	8.1	97	--
MAY											
15...	1300	--	40.84	--	--	8.2	28.0	67	8.3	105	64
JUN											
27...	1215	--	39.45	--	--	8.3	29.0	63	8.1	104	--
JUL											
27...	1245	--	39.47	--	--	8.5	32.0	>63	7.9	107	--
AUG											
21...	1130	--	39.57	--	--	7.5	31.0	>68	8.1	107	--
SEP											
27...	1030	--	40.40	--	--	8.2	27.0	>72	6.9	85	110

284828082003101 - INFLOW TO HOGEYE SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979											
21...	1350	--	--	--	--	--	17.5	--	4.7	48	--

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

FEB , 1979											
21...	1250	--	--	--	--	--	16.5	--	6.1	62	--
MAY											
09...	1200	--	--	--	--	--	22.5	--	--	--	7

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978											
30...	1130	--	--	--	--	8.1	23.5	>24	7.1	82	140
NOV											
30...	1100	--	--	--	--	7.8	23.0	>36	6.7	77	140
JAN , 1979											
18...	1310	--	--	--	--	7.6	19.5	>28	7.3	78	150
FEB											
07...	1130	--	--	--	--	7.8	20.5	>48	6.6	72	--
MAR											
13...	1445	--	--	--	--	7.7	20.0	>51	7.3	79	140
APR											
12...	1215	--	--	--	--	7.6	24.0	>36	6.4	75	--
MAY											
15...	1340	--	--	--	--	6.9	24.0	41	1.8	21	110
JUN											
27...	1300	--	--	--	--	7.7	24.0	>48	7.6	89	--
JUL											
27...	1315	--	--	--	--	7.5	25.0	>42	6.0	71	--
AUG											
21...	1245	--	--	--	--	7.6	25.0	>41	7.2	86	--
SEP											
27...	1000	--	--	--	--	6.9	24.0	36	3.7	43	140

284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979											
22...	1230	--	--	--	--	5.8	20.0	3.0	5.1	55	24

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
FIELD MEASUREMENTS

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DATE	TIME	SAMP- LING DEPTH (FT) (00003)	ELEV- ATION (FT. NGVD) (72020)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BICAR- BONATE (MG/L AS HC03) (00440)
------	------	---	--	--	--	--------------------------	--	---	---	---

285030081571401 - MUCK FARM DRAINAGE CA AT RD COLVERT NR ORA HOMES (LAT 28 50 30 LONG 081 57 14.01)

FEB , 1979	22...	1300	--	--	--	--	4.8	23.0	--	--	--
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285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978	30...	1220	--	--	--	--	7.9	24.0	>51	6.4	75	140
DEC	01...	1030	--	--	--	--	7.6	22.0	>18	5.9	66	130
JAN , 1979	18...	1235	--	--	--	--	7.5	21.0	>36	7.4	82	150
FEB	07...	0900	--	--	--	--	7.3	20.5	>30	6.3	69	--
MAR	13...	1415	--	--	--	--	7.7	21.0	>30	7.7	85	150
APR	12...	1300	--	--	--	--	7.7	24.5	>36	6.7	79	--
MAY	15...	1540	--	--	--	--	6.8	24.0	>35	2.2	25	120
JUN	27...	1400	--	--	--	--	7.6	25.0	>18	8.3	99	--
JUL	27...	1400	--	--	--	--	7.6	26.0	>24	7.8	95	--
AUG	21...	1415	--	--	--	--	7.9	26.5	>48	8.2	101	--
SEP	27...	1200	--	--	--	--	7.0	23.0	>33	4.0	46	143

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978	30...	1000	--	--	--	--	7.8	23.5	>12	4.0	46	130
DEC	01...	0900	--	--	--	--	7.5	22.0	>18	3.8	43	130
JAN , 1979	18...	0940	--	--	--	--	7.4	22.0	>24	4.5	51	140
FEB	07...	1500	--	--	--	--	8.1	23.5	>24	5.3	61	--
MAR	13...	0945	--	--	--	--	7.6	20.0	>18	4.4	47	140
APR	12...	0930	--	--	--	--	7.2	25.0	>24	3.7	44	--
MAY	15...	0945	--	--	--	--	7.2	23.0	>36	2.8	32	140
JUN	27...	0945	--	--	--	--	7.3	23.0	>24	4.2	48	--
JUL	27...	1015	--	--	--	--	7.4	25.0	>24	3.6	43	--
AUG	21...	0915	--	--	--	--	7.5	24.0	>24	4.0	47	--

SURFACE WATER QUALITY RECORDS

Major Constituents

Data in this section include the following parameters:

Streamflow, instantaneous	Color
Hardness	Hardness, noncarbonate
Calcium, dissolved	Magnesium, dissolved
Sodium, dissolved	Sodium, percent
Sodium, Adsorption ratio	Sodium, potassium dissolved
Potassium, dissolved	Carbonate
Alkalinity	Sulfate, dissolved
Fluoride, dissolved	Silica, dissolved
Solids, residue at 180°C, dissolved	Solids, dissolved (tons per AC-FT)
Solids, dissolved (tons per day)	Iron, dissolved

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)											
OCT , 1978											
30...	--	120	110	68	28	8.7	24	32	1.0	--	5.0
MAY , 1979											
25...	--	140	69	15	18	5.8	14	29	.7	--	4.6
02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)											
OCT , 1978											
25...	--	--	200	150	50	19	18	16	.6	--	2.1
02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)											
OCT , 1978											
24...	--	150	72	33	16	7.0	8.3	20	.4	--	3.0
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)											
OCT , 1978											
03...	442	--	120	72	30	12	13	18	.5	--	2.6
31...	185	30	180	120	43	17	16	16	.5	--	2.1
NOV											
28...	130	--	230	170	55	22	17	14	.5	--	2.0
JAN , 1979											
03...	321	--	180	120	43	18	15	15	.5	--	2.9
30...	1500	--	90	62	21	9.2	14	24	.6	--	3.9
FEB											
28...	614	--	120	84	30	12	14	19	.5	--	2.8
MAY											
02...	172	--	190	140	49	17	15	14	.5	--	1.8
JUN											
05...	767	--	100	56	26	9.6	18	27	.8	22	3.2
JUL											
02...	445	--	120	87	30	12	17	22	.7	--	2.8
AUG											
01...	460	--	110	64	27	10	15	23	.6	18	2.8
SEP											
04...	3389	--	61	37	15	5.8	8.1	21	.5	12	3.6
02297000 - 100 JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)											
MAY , 1979											
16...	--	--	230	38	75	10	46	30	1.3	--	5.0
JUN											
13...	--	--	220	42	69	12	60	37	1.8	--	4.3
02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)											
OCT , 1978											
25...	--	200	92	53	23	8.1	9.4	18	.4	--	2.3

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

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DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	--	--	--	---

02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)

OCT , 1978 30...	0	39	60	.9	9.2	236	188	.32	--	210
MAY , 1979 25...	0	54	26	.4	3.0	158	125	.21	--	200

02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)

OCT , 1978 25...	0	55	120	2.2	5.3	310	271	.42	--	--
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02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)

OCT , 1978 24...	0	39	21	.3	10	151	108	.21	--	320
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02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978 03...	--	52	73	1.2	8.3	218	190	.30	260	160
31...	--	60	99	1.8	4.0	269	238	.37	134	60
NOV 28...	--	62	140	1.9	4.1	307	301	.42	108	--
JAN , 1979 03...	--	57	100	1.2	5.8	260	242	.35	225	80
30...	--	--	--	--	5.8	--	--	--	--	--
FEB 28...	--	40	74	.9	6.7	220	187	.30	365	--
MAY 02...	--	48	140	1.6	4.3	289	277	.39	134	--
JUN 05...	--	48	54	1.1	4.2	206	164	.28	427	--
JUL 02...	--	37	82	1.1	7.6	235	194	.32	282	120
AUG 01...	--	45	59	1.3	8.4	207	171	.28	257	--
SEP 04...	--	24	23	.4	8.2	166	95	.23	1520	--

02297000 - 100 JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)

MAY , 1979 16...	--	190	45	.2	9.6	461	381	.63	--	--
JUN 13...	--	180	50	.2	9.2	585	410	.80	--	--

02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)

OCT , 1978 25...	0	39	40	.4	8.9	191	135	.26	--	450
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SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)											
OCT , 1978											
03...	238	--	48	21	11	4.9	5.3	19	.3	--	2.3
31...	31	140	76	55	17	7.9	7.0	16	.4	--	2.1
NOV											
28...	14	--	110	82	25	11	9.4	16	.4	--	2.0
JAN , 1979											
03...	34	--	140	120	32	15	8.7	12	.3	--	2.6
30...	705	--	46	34	10	5.1	6.3	22	.4	--	2.7
MAR											
06...	191	--	85	59	19	9.1	8.6	18	.4	--	2.0
APR											
03...	133	--	75	52	18	7.2	10	22	.5	--	1.2
MAY											
02...	84	--	93	61	21	9.8	11	20	.5	--	3.7
JUN											
05...	70	--	120	83	28	12	9.7	15	.4	--	3.5
26...	38	--	120	89	27	13	11	16	.4	--	3.2
AUG											
01...	119	--	54	34	12	5.9	7.1	21	.4	9.1	2.0
SEP											
05...	442	--	36	21	8.1	3.9	5.5	24	.4	7.2	1.7

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978											
03...	238	--	48	21	11	4.9	5.3	19	.3	--	2.3
31...	31	140	76	55	17	7.9	7.0	16	.4	--	2.1
NOV											
28...	14	--	110	82	25	11	9.4	16	.4	--	2.0
JAN , 1979											
03...	34	--	140	120	32	15	8.7	12	.3	--	2.6
30...	705	--	46	34	10	5.1	6.3	22	.4	--	2.7
MAR											
06...	191	--	85	59	19	9.1	8.6	18	.4	--	2.0
APR											
03...	133	--	75	52	18	7.2	10	22	.5	--	1.2
MAY											
02...	84	--	93	61	21	9.8	11	20	.5	--	3.7
JUN											
05...	70	--	120	83	28	12	9.7	15	.4	--	3.5
26...	38	--	120	89	27	13	11	16	.4	--	3.2
AUG											
01...	119	--	54	34	12	5.9	7.1	21	.4	9.1	2.0
SEP											
05...	442	--	36	21	8.1	3.9	5.5	24	.4	7.2	1.7

02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)

OCT , 1978											
26...	--	60	44	15	10	4.6	5.4	21	.4	--	1.3

02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)

OCT , 1978											
24...	--	60	70	42	16	7.2	7.7	19	.4	--	2.5

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)

OCT , 1978		--	--	--	--	--	--	--	--
12...	8.2	--	--	--	--	--	--	--	--
23...	--	--	210	190	57	17	46	32	1.4
NOV									2.7
29...	48	--	--	--	--	--	--	--	--
FEB , 1979									
08...	138	--	--	--	--	--	--	--	--
APR									
04...	66	--	--	--	--	--	--	--	--
JUN									
08...	164	--	--	--	--	--	--	--	--

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

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DATE	CAR- BONATE (MG/L AS C03) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	---	--	--	---

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978										
03...	--	27	23	.2	4.8	118	78	.16	75.8	370
31...	--	21	38	.2	4.0	158	103	.21	13.2	200
NOV										
28...	--	26	75	.2	.8	200	155	.27	7.56	--
JAN , 1979										
03...	--	25	100	.3	1.1	213	192	.29	19.6	90
30...	--	12	24	.2	2.2	111	72	.15	211	--
MAR										
06...	--	26	55	.2	1.3	161	128	.22	83.0	--
APR										
03...	--	23	48	.2	.6	168	119	.23	60.3	230
MAY										
02...	--	32	52	.2	2.0	184	142	.25	41.7	--
JUN										
05...	--	36	76	.3	1.5	244	174	.33	46.1	--
26...	--	32	77	.3	3.8	209	175	.28	21.4	150
AUG										
01...	--	20	22	.2	7.8	130	84	.18	41.8	--
SEP										
05...	--	15	13	.2	6.0	115	57	.16	137	--

02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)

OCT , 1978										
26...	0	30	5.8	.3	10	87	65	.12	--	200

02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)

OCT , 1978										
24...	0	28	36	.3	7.6	121	108	.16	--	170

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)

OCT , 1978										
12...	--	--	--	4.1	--	--	--	--	--	--
23...	0	20	140	5.7	21	428	347	.58	--	0
NOV										
29...	--	--	--	5.2	--	--	--	--	--	--
FEB , 1979										
08...	--	--	--	4.2	--	--	--	--	--	--
APR										
04...	--	--	--	4.0	--	--	--	--	--	--
JUN										
08...	--	--	--	6.4	--	--	--	--	--	--

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978										
12...	--	--	--	1.6	--	--	--	--	--	--
26...	0	39	81	1.6	4.1	199	184	.27	--	40
NOV										
28...	--	--	--	.2	--	--	--	--	--	--
FEB , 1979										
07...	--	--	--	2.1	--	--	--	--	--	--
APR										
05...	--	--	--	2.4	--	--	--	--	--	--
JUN										
05...	--	--	--	3.0	--	--	--	--	--	--
AUG										
01...	--	--	--	2.9	--	--	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)										
OCT , 1978										
03...	114	--	140	79	37	11	27	29	1.0	-- 2.2
31...	91	35	190	130	50	15	39	31	1.2	-- 3.0
NOV										
28...	82	--	170	110	48	13	37	31	1.2	-- 1.7
JAN , 1979										
03...	387	--	130	98	35	10	22	27	.8	-- 3.1
30...	348	--	170	130	43	14	28	27	.9	-- 2.7
MAR										
06...	686	--	85	56	22	7.2	16	28	.8	-- 3.5
APR										
03...	136	--	180	120	46	15	31	27	1.0	-- 1.1
MAY										
02...	124	--	180	130	47	14	38	32	1.3	-- 2.0
JUN										
05...	510	--	140	120	38	12	29	30	1.1	-- 1.9
26...	200	--	170	140	46	14	45	36	1.5	-- 2.1
AUG										
01...	242	--	170	130	47	13	39	33	1.3	41 2.2
SEP										
05...	1197	--	100	86	28	8.1	19	28	.8	22 2.9
02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)										
OCT , 1978										
27...	--	--	250	100	83	10	13	10	.4	-- 2.1
MAY , 1979										
23...	--	--	80	23	27	3.0	8.3	18	.4	-- 2.4
02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)										
DEC , 1978										
12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)										
OCT , 1978										
23...	--	25	150	14	48	8.0	19	20	.7	-- 8.4

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

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DATE	CAR- BONATE (MG/L AS C03) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	--	--	---	---	---	--	--	--	---

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978										
03...	--	59	87	2.8	14	273	245	.37	84.0	90
31...	--	53	130	3.4	14	356	324	.48	87.5	30
NOV										
28...	--	66	130	3.1	13	350	317	.48	77.5	--
JAN , 1979										
03...	--	31	91	2.1	9.9	245	221	.33	256	180
30...	--	32	130	2.5	7.8	307	277	.42	288	--
MAR										
06...	--	29	55	1.0	5.4	183	149	.25	339	--
APR										
03...	--	57	150	1.9	8.0	330	316	.45	121	70
MAY										
02...	--	42	160	3.4	11	357	337	.49	120	--
JUN										
05...	--	25	120	3.7	8.5	305	253	.41	420	--
26...	--	31	160	4.0	12	398	335	.54	215	40
AUG										
01...	--	40	140	3.2	13	354	316	.48	220	--
SEP										
05...	--	17	60	4.0	12	233	162	.32	753	--

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978										
27...	--	146	67	.2	13	--	301	.41	--	--
MAY , 1979										
23...	--	56	18	.2	5.1	--	111	.15	--	--

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

DEC , 1978										
12...	--	--	6.5	--	--	--	--	--	--	--
12...	--	--	6.6	--	--	--	--	--	--	--
12...	--	--	6.6	--	--	--	--	--	--	--
13...	--	--	6.5	--	--	--	--	--	--	--

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

OCT , 1978										
23...	0	140	10	.4	8.9	230	210	.31	--	70

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DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)											
OCT , 1978											
04...	92	--	180	45	62	4.9	10	11	.3	--	1.3
NOV											
01...	71	0	160	32	57	4.6	8.7	10	.3	--	1.1
27...	60	--	160	23	58	4.4	6.4	8	.2	--	1.0
DEC											
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
12...	61	--	--	--	--	--	--	--	--	--	--
13...	61	--	--	--	--	--	--	--	--	--	--
13...	61	--	--	--	--	--	--	--	--	--	--
13...	61	--	--	--	--	--	--	--	--	--	--
13...	61	--	--	--	--	--	--	--	--	--	--
JAN , 1979											
03...	159	--	140	44	48	5.1	12	15	.4	--	4.7
30...	140	--	140	32	49	4.8	9.3	12	.3	--	2.5
MAR											
06...	732	--	79	20	27	2.8	6.8	15	.3	--	1.8
27...	126	--	150	18	52	4.4	7.8	10	.3	--	1.2
MAY											
02...	78	--	150	22	54	4.2	6.6	9	.2	--	.8
JUN											
04...	110	--	140	29	49	4.1	6.9	10	.3	--	1.5
26...	72	--	160	20	57	4.2	5.7	7	.2	--	.8
AUG											
01...	113	--	130	21	46	3.8	6.3	9	.2	7.6	1.3
28...	605	--	71	21	24	2.6	5.1	13	.3	6.8	1.3

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979											
07...	--	--	26	16	8.0	1.5	4.8	34	.4	5.4	.6

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978											
26...	--	--	150	0	41	11	50	41	1.8	--	9.0
MAY , 1979											
25...	--	--	54	24	16	3.3	12	31	.7	--	4.1

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978											
26...	--	--	120	18	34	7.8	27	32	1.1	--	5.0
MAY , 1979											
25...	--	--	76	17	22	5.2	25	40	1.2	--	4.7

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

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DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CACO3) (00410)	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)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	---	--	--	---

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978										
04...	--	130	34	.3	9.8	217	213	.30	53.9	60
NOV										
01...	--	130	20	.2	9.7	207	192	.28	39.7	10
27...	--	140	11	.2	10	199	185	.27	32.2	--
DEC										
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	23	--	--	--	--	--	--	--
12...	--	--	15	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	14	--	--	--	--	--	--	--
12...	--	--	14	--	--	--	--	--	--	--
13...	--	--	23	--	--	--	--	--	--	--
13...	--	--	14	--	--	--	--	--	--	--
13...	--	--	14	--	--	--	--	--	--	--
13...	--	--	15	--	--	--	--	--	--	--
13...	--	--	14	--	--	--	--	--	--	--
JAN , 1979										
03...	--	97	40	.3	9.2	229	195	.31	98.3	70
30...	--	110	22	.3	9.4	213	178	.29	80.5	--
MAR										
06...	--	59	11	.2	5.6	143	103	.19	283	--
27...	--	130	13	.2	9.7	210	181	.29	71.4	180
MAY										
02...	--	130	12	.2	8.9	186	174	.25	39.2	--
JUN										
04...	--	110	15	.2	9.5	199	163	.27	59.1	--
26...	--	140	12	.2	8.5	199	179	.27	38.7	0
AUG										
01...	--	110	9.3	.2	9.7	189	154	.26	57.7	--
28...	--	50	10	.2	7.0	151	89	.21	247	--

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979										
07...	--	10	3.2	.4	.7	72	35	.10	--	170

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978										
26...	--	161	48	.4	9.9	--	322	.44	--	--
MAY , 1979										
25...	--	30	28	.3	4.7	--	103	.14	--	--

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978										
26...	13	102	33	.4	.2	--	195	.27	--	--
MAY , 1979										
25...	11	59	33	.4	1.1	--	153	.21	--	--

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978										
23...	0	130	26	.3	8.2	215	201	.29	--	40
25...	--	--	--	--	--	--	--	--	--	--
DEC										
12...	--	--	15	--	--	--	--	--	--	--
12...	--	--	16	--	--	--	--	--	--	--

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DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)										
FEB , 1979 16...	--	120	90	49	27	5.5	8.3	14	.4	-- 16
02303420 - CYPRESS CREEK AT WORTHINGTON GARDENS, FLA. (LAT 28 11 08 LONG 082 24 03)										
OCT , 1978 24...	--	130	--	--	--	--	--	--	--	--
02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)										
OCT , 1978 24...	--	120	120	17	44	3.2	7.4	11	.3	-- 1.2
DEC 12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)										
OCT , 1978 24...	--	5	170	29	59	5.1	11	12	.4	-- 1.3
DEC 12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
02304200 - HILLSBOROUGH RIVER AT HARNEY, FLA (LAT 28 00 54 LONG 082 22 30)										
DEC , 1978 12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)										
OCT , 1978 26...	--	0	82	32	28	2.8	9.3	20	.4	-- 1.3
02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)										
OCT , 1978 26...	--	50	84	20	28	3.5	25	38	1.2	-- 4.7
02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)										
OCT , 1978 25...	--	40	130	130	28	15	130	67	4.9	-- 4.6
02310000 - ANCLOTE RIVER NR ELFERS, FLA. (LAT 28 12 50 LONG 082 40 00)										
OCT , 1978 25...	--	10	--	--	--	--	--	--	--	--

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DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)											
OCT , 1978 24...	--	10	160	19	57	3.9	5.0	6	.2	--	.8
02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)											
OCT , 1978 25...	--	0	140	9	47	5.4	4.3	6	.2	--	.5
02310800 - WITHLACOOCHIE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)											
JUN , 1979 11...	1.3	400	20	20	4.9	1.9	9.2	50	.9	--	.1
SEP 19...	159	500	12	10	3.0	1.1	4.7	44	.6	5.5	.8
02311500 - WITHLACOOCHIE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)											
MAY , 1979 23...	289	400	53	20	18	2.0	7.3	23	.4	--	.5
SEP 19...	1240	550	30	13	10	1.3	3.8	21	.3	4.6	.8
02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)											
FEB , 1979 22...	--	--	29	5	4.2	4.5	22	59	1.8	--	2.9
02312690 - CHITTY CHATY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)											
FEB , 1979 21...	--	80	110	62	36	4.8	12	19	.5	--	2.3
02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)											
FEB , 1979 21...	--	5	74	24	22	4.6	13	27	.7	--	.7
02312700 - OUTLET RIVER AT PANACOOCHIE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)											
OCT , 1978 30...	92	10	110	29	34	5.3	4.4	8	.2	--	.4
NOV 30...	98	0	99	28	32	4.6	4.5	9	.2	--	.1
JAN , 1979 18...	112	0	110	23	36	4.0	4.6	9	.2	--	.2
MAR 13...	95	10	140	46	47	4.5	5.0	7	.2	--	.1
MAY 15...	413	35	97	38	32	4.0	4.0	8	.2	--	.2
SEP 27...	171	35	96	35	32	3.8	4.6	9	.2	4.9	.3

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DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
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02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978 24...	0	140	16	.1	8.7	202	184	.27	--	110
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02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)

OCT , 1978 25...	0	130	7.6	.1	8.0	161	157	.22	--	20
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02310800 - WITHLACOOCHEE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

JUN , 1979 11...	0	0	9.0	.1	3.4	152	49	.21	.53	1200
SEP 19...	--	2	8.5	.1	5.3	123	37	.17	52.8	--

02311500 - WITHLACOOCHEE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

MAY , 1979 23...	0	33	7.2	.1	4.9	146	74	.20	114	--
SEP 19...	--	17	5.4	.1	4.4	98	43	.13	328	--

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979 22...	--	24	3.4	.1	5.1	132	93	.18	--	--
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02312690 - CHITTY CHATY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)

FEB , 1979 21...	--	50	29	.1	1.1	239	141	.33	--	--
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02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979 21...	--	55	4.9	.2	.2	134	101	.18	--	--
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02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978 30...	0	78	23	.1	7.8	142	129	.19	35.3	--
NOV 30...	0	71	25	.2	8.9	138	126	.19	36.5	--
JAN , 1979 18...	0	84	27	.2	1.2	157	132	.21	47.5	--
MAR 13...	0	90	35	.1	1.1	172	156	.23	44.1	--
MAY 15...	0	59	33	.1	3.9	155	121	.21	173	--
SEP 27...	--	61	23	.1	10	130	118	.18	60.0	--

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DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
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02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978											
27...	370	--	140	24	50	4.7	4.4	6	.2	--	.1
NOV											
28...	250	--	140	30	49	4.3	4.6	7	.2	--	.1
DEC											
27...	326	--	150	42	52	5.3	4.4	6	.2	--	.1
JAN , 1979											
23...	480	--	180	70	61	6.7	5.3	6	.2	--	.9
FEB											
28...	608	--	170	61	60	5.2	6.4	7	.2	--	1.0
MAR											
30...	870	--	100	26	37	2.6	7.0	13	.3	--	.4
APR											
11...	780	--	130	34	44	4.0	7.4	11	.3	--	.3
MAY											
16...	1420	--	120	44	42	3.8	3.9	7	.2	--	.2
JUN											
26...	640	--	140	30	49	4.2	5.6	8	.2	--	.3
JUL											
26...	520	--	130	37	46	4.5	5.1	8	.2	5.5	.4
AUG											
22...	700	--	120	27	42	3.7	4.8	8	.2	5.3	.5
SEP											
12...	990	--	86	22	30	2.6	4.6	10	.2	5.1	.5

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979											
17...	630	0	56	7	17	3.3	2.0	7	.1	--	.1
SEP											
11...	635	3	58	6	18	3.1	2.1	7	.1	2.2	.1

02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

MAY , 1979											
16...	1480	35	110	21	38	3.9	3.5	6	.1	--	.1
SEP											
10...	1580	70	110	22	36	3.7	4.1	8	.2	4.5	.4

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979											
31...	--	55	200	41	70	5.3	28	24	.9	--	1.1

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON, FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979											
29...	--	200	44	28	9.2	4.9	6.3	23	.4	--	3.2

275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)

APR , 1979											
11...	--	5	160	47	50	9.0	82	52	2.8	--	.1

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DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	--	--	---	--	---	--	--	--	---

02313000 - WITHLACOOCHIE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978										
27...	--	120	25	.1	6.3	176	170	.24	176	--
NOV										
28...	--	110	25	.1	6.8	183	163	.25	124	40
DEC										
27...	--	110	26	.1	5.7	173	168	.24	152	--
JAN , 1979										
23...	--	110	61	.1	5.1	234	216	.32	303	--
FEB										
28...	--	110	42	.1	3.8	224	198	.30	368	80
MAR										
30...	--	77	19	.1	5.5	185	130	.25	435	--
APR										
11...	--	92	21	.1	5.3	197	148	.27	415	--
MAY										
16...	--	77	36	.1	5.5	182	145	.25	698	190
JUN										
26...	--	110	18	.1	8.3	201	161	.27	347	--
JUL										
26...	--	96	21	.1	9.2	172	152	.23	241	--
AUG										
22...	--	93	14	.1	9.5	176	140	.24	333	240
SEP										
12...	--	64	7.5	.1	7.3	157	99	.21	420	--

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979										
17...	0	49	4.0	.0	7.0	73	66	.10	--	0
SEP										
11...	--	52	3.7	.1	7.1	87	69	.12	--	20

02313250 - WITHLACOOCHIE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

MAY , 1979										
16...	0	90	20	.1	6.0	154	132	.21	615	--
SEP										
10...	--	83	11	.1	8.0	163	120	.22	695	--

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979										
31...	0	160	29	.3	6.0	323	282	.44	--	--

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979										
29...	0	16	22	.2	5.0	103	73	.14	--	--

275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)

APR , 1979										
11...	0	113	24	.4	.1	462	384	.63	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
275227082402000 - PINCOLF OXD PND N NP PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)											
MAR , 1979											
28...	--	10	170	74	50	10	120	61	4.1	--	.8
JUN											
05...	--	--	88	88	26	5.7	66	62	3.1	66	.1
05...	--	--	120	--	38	5.2	43	45	1.7	--	.1
JUL											
16...	--	--	83	83	24	5.6	88	70	4.2	88	.1
AUG											
15...	--	--	300	300	88	19	100	37	2.5	160	61
30...	--	--	250	250	57	27	130	41	3.6	250	120
SEP											
06...	--	--	260	--	61	27	120	40	3.2	220	100
23...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	180	--	35	22	110	44	3.6	210	100
275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)											
APR , 1979											
05...	--	0	180	60	54	10	120	59	3.9	--	2.6
JUN											
05...	--	--	74	74	23	4.1	56	61	2.8	58	2.3
JUL											
16...	--	--	77	77	24	4.1	59	61	2.9	62	3.1
20...	--	--	800	800	270	30	140	25	2.2	240	100
275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)											
JAN , 1979											
23...	--	--	270	--	86	13	56	31	1.5	--	3.0
APR											
05...	--	--	220	--	68	12	10	9	.3	--	.5
SEP											
27...	--	--	140	--	49	4.3	19	23	.7	21	1.5
275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)											
OCT , 1978											
27...	--	--	4500	4400	320	900	8500	79	55	--	280
MAY , 1979											
23...	--	--	2100	2000	300	320	2300	70	22	--	90
275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)											
OCT , 1978											
27...	--	--	230	86	78	8.7	9.8	8	.3	--	1.7
MAY , 1979											
23...	--	--	82	23	28	3.0	8.5	18	.4	--	2.3
280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)											
OCT , 1978											
30...	--	--	250	99	80	12	35	23	1.0	--	3.4
MAY , 1979											
25...	--	--	81	20	27	3.2	7.9	16	.4	--	7.7

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

431

DATE	CAR- BONATE (MG/L AS C03) (00445)	ALKA- LINITY (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	--	--	--	---

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

MAR , 1979										
28...	0	93	40	.5	.1	553	478	.75	--	--
JUN										
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
JUL										
16...	--	--	--	--	--	--	--	--	--	--
AUG										
15...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
SEP										
06...	--	--	--	--	--	--	--	--	--	--
23...	--	--	60	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

APR , 1979										
05...	0	116	47	.3	.4	565	505	.77	--	--
JUN										
05...	--	--	--	--	--	--	--	--	--	--
JUL										
16...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--

275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)

JAN , 1979										
23...	--	--	--	--	--	--	--	--	--	--
APR										
05...	--	--	--	--	--	--	--	--	--	--
SEP										
27...	--	--	18	--	--	--	--	--	--	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978										
27...	9	144	1900	1.8	5.1	--	26000	35.4	--	--
MAY , 1979										
23...	0	87	630	.9	3.9	--	8100	11.0	--	--

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978										
27...	--	144	70	.2	12	--	284	.39	--	--
MAY , 1979										
23...	--	59	17	.2	5.2	--	112	.15	--	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978										
30...	--	151	72	.2	8.9	--	365	.50	--	--
MAY , 1979										
25...	--	61	45	.2	4.7	--	144	.20	--	--

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

433

DATE	CAR- BONATE (MG/L) AS C03) (00445)	ALKA- LINITY (MG/L) AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L) AS S04) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	--	---	---	--	--	---	---	--	--	---

280033082245300 - HILLSBOROUGH R AT 40TH ST BRIDGE NR TAMPA, FL (LAT 28 00 33 LONG 082 24 53)

DEC , 1978

12...	--	--	24	--	--	--	--	--	--	--
12...	--	--	23	--	--	--	--	--	--	--
12...	--	--	23	--	--	--	--	--	--	--
13...	--	--	23	--	--	--	--	--	--	--

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979

30...	0	81	63	.2	5.7	243	212	.33	--	--
-------	---	----	----	----	-----	-----	-----	-----	----	----

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978

30...	7	156	58	.3	10	--	269	.37	--	--
MAY , 1979										
24...	0	60	17	.2	5.0	--	112	.15	--	--

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978

30...	--	145	57	.2	11	--	256	.35	--	--
MAY , 1979										
25...	--	86	30	.2	7.2	--	153	.21	--	--

280229082343400 - ROCKY CREEK LF SW POND (LAT 28 02 29 LONG 082 34 34)

NOV , 1978

07...	--	--	--	--	--	--	--	--	--	--
-------	----	----	----	----	----	----	----	----	----	----

280409082223900 - HILLSBOROUGH RIVER AT FLETCHER AV NR TAMPA (LAT 28 04 09 LONG 082 22 39)

DEC , 1978

12...	--	--	20	--	--	--	--	--	--	--
12...	--	--	19	--	--	--	--	--	--	--
12...	--	--	19	--	--	--	--	--	--	--
13...	--	--	21	--	--	--	--	--	--	--

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978

26...	--	134	40	.2	8.2	--	218	.30	--	--
MAY , 1979										
25...	--	36	9.2	.2	3.3	--	70	.10	--	--

280455082170100 - HILLSBOROUGH R. AT CONFLUENCE WITH FLINT CREEK (LAT 28 04 55 LONG 082 17 01)

DEC , 1978

12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	30	--	--	--	--	--	--	--
13...	--	--	28	--	--	--	--	--	--	--

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

435

DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CACO3) (00410)	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	--	--	--	---

280458082170700 - HILLSBOROUGH R AB CONFLUENCE WITH FLINT CREEK (LAT 28 04 58 LONG 082 17 07)

DEC , 1978										
12...	--	--	28	--	--	--	--	--	--	--
12...	--	--	24	--	--	--	--	--	--	--

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978										
30...	--	141	27	.2	8.3	--	206	.28	--	--
MAY , 1979										
25...	--	64	8.8	.2	6.5	--	105	.14	--	--

280742082155200 - HILLSBOROUGH R AT BOY SCOUT CAMP NR THONOTOSASSA (LAT 28 07 42 LONG 082 15 52)

DEC , 1978										
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--

280902082125700 - HILLSB.R AT CONFLNC WITH BLKWTR CR NR ZHILLS,FLA (LAT 28 09 02 LONG 082 12 57)

DEC , 1978										
12...	--	--	19	--	--	--	--	--	--	--
12...	--	--	18	--	--	--	--	--	--	--
12...	--	--	18	--	--	--	--	--	--	--
13...	--	--	19	--	--	--	--	--	--	--

280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)

DEC , 1978										
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--
12...	--	--	13	--	--	--	--	--	--	--
13...	--	--	13	--	--	--	--	--	--	--

281017082114100 - HILLS. R AT CONFLNC WITH BIG DITCH NR ZHILLS,FLA (LAT 28 01 07 LONG 082 11 41)

DEC , 1978										
12...	--	--	140	--	--	--	--	--	--	--
12...	--	--	150	--	--	--	--	--	--	--
12...	--	--	150	--	--	--	--	--	--	--
13...	--	--	150	--	--	--	--	--	--	--

281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)

DEC , 1978										
12...	--	--	6.3	--	--	--	--	--	--	--
12...	--	--	6.4	--	--	--	--	--	--	--
12...	--	--	6.4	--	--	--	--	--	--	--
13...	--	--	6.4	--	--	--	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
------	--	---	---	---	---	---	---	--	---	--

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978										
30...	--	30	190	31	70	2.9	4.6	5	.1	--
NOV										
30...	--	20	180	22	67	2.5	4.7	5	.2	--
JAN , 1979										
18...	--	10	200	40	73	3.1	4.7	5	.1	--
MAR										
13...	--	80	170	28	62	2.9	6.3	8	.2	--
MAY										
15...	--	150	150	28	56	2.7	5.2	7	.2	--
SEP										
27...	--	150	120	24	46	2.2	4.9	8	.2	5.7

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978										
30...	--	5	99	38	32	4.5	4.7	9	.2	--
NOV										
30...	--	10	100	36	33	4.3	4.8	9	.2	--
JAN , 1979										
18...	--	0	110	30	35	4.7	4.6	9	.2	--
MAR										
13...	--	10	130	41	45	4.4	5.0	8	.2	--
MAY										
15...	--	20	89	36	29	3.9	3.8	9	.2	--
SEP										
27...	--	8	73	29	24	3.2	4.9	13	.3	5.0

284828082003101 - INFLOW TO HOGUEY SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979										
21...	--	80	95	45	31	4.2	14	23	.6	--

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

FEB , 1979										
21...	--	80	--	--	--	--	--	--	--	--
MAY										
09...	--	150	200	190	41	23	10	9	.3	--

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978										
30...	--	5	150	30	49	5.4	4.5	6	.2	--
NOV										
30...	--	5	150	31	50	5.0	4.5	6	.2	--
JAN , 1979										
18...	--	5	180	53	60	6.3	5.2	6	.2	--
MAR										
13...	--	30	180	68	63	6.1	5.5	6	.2	--
MAY										
15...	--	250	140	51	49	4.6	5.6	8	.2	--
SEP										
27...	--	250	150	39	52	4.6	6.3	8	.2	7.0

284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979										
22...	--	200	81	61	17	9.3	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
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437

DATE	CAR- BONATE (MG/L) (00445)	ALKA- LINITY (MG/L) AS (00410)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	-------------------------------------	--	---	--	---	---	--	--	--	---

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978										
30...	0	160	22	.1	7.1	226	209	.31	--	--
NOV										
30...	0	160	16	.1	7.3	217	200	.30	--	--
JAN , 1979										
18...	0	160	24	.1	6.5	219	214	.30	--	--
MAR										
13...	0	140	20	.1	4.8	234	194	.32	--	--
MAY										
15...	0	120	17	.1	10	230	176	.31	--	--
SEP										
27...	--	100	6.9	.1	9.6	172	140	.23	--	--

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978										
30...	0	61	25	.1	8.2	142	120	.19	--	--
NOV										
30...	0	65	27	.1	7.3	149	124	.20	--	--
JAN , 1979										
18...	0	77	26	.1	2.9	133	128	.18	--	--
MAR										
13...	0	90	36	.1	1.1	174	155	.24	--	--
MAY										
15...	0	53	30	.1	3.5	133	110	.18	--	--
SEP										
27...	--	44	18	.1	14	108	99	.15	--	--

284828082003101 - INFLOW TO HOGYE SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979										
21...	--	50	16	.1	.1	223	131	.30	--	--

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

FEB , 1979										
21...	--	--	--	--	--	--	--	--	--	--
MAY										
09...	0	6	74	.1	8.6	507	218	.69	--	--

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978										
30...	0	110	20	.1	10	178	166	.24	--	--
NOV										
30...	0	110	22	.1	11	186	170	.25	--	--
JAN , 1979										
18...	0	120	34	.1	11	207	200	.28	--	--
MAR										
13...	0	110	53	.1	10	240	218	.33	--	--
MAY										
15...	0	90	38	.1	10	238	173	.32	--	--
SEP										
27...	--	110	17	.2	10	223	169	.30	--	--

284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979										
22...	0	20	42	--	--	--	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

DATE	STREAM- FLOW+ INSTAN- TANEOUS (CFS) (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (00902)	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)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA) (00933)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
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285030081571401 - MUCK FARM DRAINAGE CA AT RD COLVERT NR ORA HOMES (LAT 28 50 30 LONG 081 57 14.01)

FEB , 1979											
22...	--	100	--	--	--	--	--	--	--	--	--

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978											
30...	--	5	150	30	49	5.4	4.4	6	.2	--	.6
DEC											
01...	--	10	130	28	46	4.7	4.4	7	.2	--	.9
JAN , 1979											
18...	--	3	160	32	52	6.1	5.1	7	.2	--	.5
MAR											
13...	--	20	180	56	62	5.9	5.6	6	.2	--	.5
MAY											
15...	--	200	140	44	49	4.7	5.6	8	.2	--	1.2
SEP											
27...	--	150	160	37	55	4.6	6.5	8	.2	7.6	1.1

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978											
30...	--	5	140	37	48	5.6	4.5	6	.2	--	.6
DEC											
01...	--	10	140	34	48	5.0	4.5	6	.2	--	.6
JAN , 1979											
18...	--	0	140	23	46	5.6	4.8	7	.2	--	.6
MAR											
13...	--	5	150	31	50	5.1	4.5	6	.2	--	.5
MAY											
15...	--	10	140	27	48	5.2	4.6	7	.2	--	.5

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
MAJOR CONSTITUENTS

439

DATE	CAR- BONATE (MG/L AS CO3) (00445)	ALKA- LINITY (MG/L AS CACO3) (00410)	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	--	---	--	---	--	--	--	---

285030081571401 - MUCK FARM DRAINAGE CA AT RD COLVERT NR ORA HOMES (LAT 28 50 30 LONG 081 57 14.01)

FEB , 1979										
22...	--	--	--	--	--	--	--	--	--	--

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978										
30...	0	110	20	.1	10	174	166	.24	--	--
DEC										
01...	0	110	22	.1	10	172	160	.23	--	--
JAN , 1979										
18...	0	120	32	.2	11	198	189	.27	--	--
MAR										
13...	0	120	51	.1	10	238	219	.32	--	--
MAY										
15...	0	98	32	.1	10	243	172	.33	--	--
SEP										
27...	--	120	17	.2	10	236	179	.32	--	--

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978										
30...	0	110	21	.1	10	175	161	.24	--	--
DEC										
01...	0	110	23	.1	10	182	163	.25	--	--
JAN , 1979										
18...	0	110	24	.1	11	176	169	.24	--	--
MAR										
13...	0	110	23	.1	11	177	171	.24	--	--
MAY										
15...	0	110	24	.1	10	182	169	.25	--	--

SURFACE WATER QUALITY RECORDS

Nutrients

Data in this section include the following parameters:

Nitrogen, nitrate total	Nitrogen, nitrate dissolved (as N)
Nitrogen, nitrate dissolved (as NO3)	Nitrogen, nitrite total
Nitrogen, nitrite dissolved (as N)	Nitrogen, nitrate dissolved (as NO2)
Nitrogen, NO2, NO3 total	Nitrogen, NO2, NO3 dissolved
Nitrogen, ammonia total	Nitrogen, ammonia dissolved (as N)
Nitrogen, ammonia dissolved (as NH4)	Nitrogen, organic total
Nitrogen, Organic dissolved	Nitrogen, ammonia organic total
Nitrogen, ammonia organic dissolved	Nitrogen, total (as N)
Nitrogen, total (as NO3)	Phosphorus, total
Phosphorus, dissolved	Phosphorus, ortho total
Phosphorus, ortho dissolved	Phosphate, ortho dissolved
Carbon, total	Carbon, organic total

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NITRITE DIS- SOLVED TOTAL (MG/L AS N) (00630)	NITRO- GEN, N02+N03 DIS- SOLVED TOTAL (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED TOTAL (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED TOTAL (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)

NOV , 1978												
07...	.57	--	--	.03	--	--	.60	--	.76	--	--	1.6
JAN , 1979												
03...	2.6	--	--	.05	--	--	2.6	--	.03	--	--	1.3
FEB												
28...	.47	--	--	.06	--	--	.53	--	.32	--	--	.88
MAY												
02...	.33	--	--	.02	--	--	.35	--	.10	--	--	2.6
25...	.01	--	--	.01	--	--	.02	--	.01	--	--	3.1
JUN												
26...	.47	--	--	.03	--	--	.50	--	.24	--	--	2.3
SEP												
07...	.07	--	--	.01	--	--	.08	--	.02	--	--	2.1

02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)

NOV , 1978												
07...	1.4	--	--	.04	--	--	1.4	--	.04	--	--	.54
JAN , 1979												
11...	1.3	--	--	.08	--	--	1.3	--	.03	--	--	.61
MAR												
08...	.75	--	--	.15	--	--	.90	--	.24	--	--	1.1
APR												
26...	.98	--	--	.02	--	--	1.0	--	.06	--	--	.40
JUL												
06...	.98	--	--	.02	--	--	1.0	--	.04	--	--	1.0
AUG												
28...	.44	--	--	.01	--	--	.45	--	.05	--	--	2.1

02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)

JUL , 1979												
31...	.22	--	--	.02	--	--	.24	--	.02	--	--	1.5

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978												
31...	.91	.87	3.9	.01	.01	.03	.92	.88	.04	.03	.04	.40
NOV												
28...	.92	.92	4.1	.04	.04	.13	.96	.96	.09	.03	.04	.39
JAN , 1979												
03...	1.0	.93	4.1	.07	.07	.23	1.0	1.0	.12	.10	.13	.17
30...	.46	.46	2.0	.02	.02	.07	.48	.48	.02	.02	.03	2.9
FEB												
28...	.82	.82	3.6	.02	.02	.07	.84	.84	.02	.02	.03	.90
APR												
03...	2.0	1.9	8.4	.02	.02	.07	2.0	1.9	.07	.03	.04	1.5
MAY												
02...	.97	.97	4.3	.03	.03	.10	1.0	1.0	.06	.09	.12	.59
JUN												
05...	.66	.65	2.9	.01	.02	.07	.67	.67	.01	.01	.01	2.2
JUL												
02...	.91	.96	4.2	.01	.01	.03	.92	.97	.04	.04	.05	1.3
AUG												
01...	.65	.64	2.8	.02	.02	.07	.67	.66	.01	.02	.03	2.2
SEP												
04...	.25	.25	1.1	.02	.02	.07	.27	.27	.05	.05	.06	1.8

02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)

JUL , 1979												
31...	.05	--	--	.02	--	--	.07	--	.02	--	--	2.0

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)

NOV , 1978												
07...	--	2.3	--	2.9	13	8.2	--	.03	--	--	--	--
JAN , 1979												
03...	--	1.3	--	3.9	18	.63	--	.50	--	--	--	--
FEB												
28...	--	1.2	--	1.7	7.7	5.9	--	5.2	--	--	--	--
MAY												
02...	--	2.7	--	3.0	14	6.5	--	5.9	--	--	--	--
25...	--	3.1	--	3.1	14	.09	--	.06	--	--	--	40
JUN												
26...	--	2.5	--	3.0	13	4.7	--	4.7	--	--	--	--
SEP												
07...	--	2.1	--	2.2	9.7	.62	--	.55	--	--	--	--

02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)

NOV , 1978												
07...	--	.58	--	2.0	8.9	3.5	--	3.4	--	--	--	--
JAN , 1979												
11...	--	.64	--	2.0	8.9	4.3	--	4.3	--	--	--	--
MAR												
08...	--	1.3	--	2.2	9.9	2.4	--	2.4	--	--	--	--
APR												
26...	--	.46	--	1.4	6.5	4.1	--	4.1	--	--	--	--
JUL												
06...	--	1.0	--	2.0	9.0	2.6	--	2.6	--	--	--	--
AUG												
28...	--	2.1	--	2.6	12	1.6	--	1.6	--	--	--	--

02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)

JUL , 1979												
31...	--	1.5	--	1.7	7.8	.50	--	.50	--	--	--	--

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978												
31...	.37	.44	.40	1.3	6.0	3.3	3.2	3.3	3.2	9.8	--	7.7
NOV												
28...	.39	.48	.42	1.4	6.4	4.0	4.0	4.0	4.0	12	--	--
JAN , 1979												
03...	.17	.29	.27	1.3	6.0	3.2	3.0	2.9	2.9	8.9	--	--
30...	2.7	2.9	2.7	3.4	15	1.4	1.2	1.2	1.1	3.4	--	22
FEB												
28...	.78	.92	.80	1.7	7.8	1.6	1.6	1.6	1.6	4.9	--	--
APR												
03...	1.4	1.5	1.4	3.5	16	3.0	3.0	2.9	2.8	8.6	--	--
MAY												
02...	.68	.65	.77	1.6	7.3	3.2	3.2	3.2	3.2	9.8	--	19
JUN												
05...	.85	2.2	.86	2.8	13	2.0	2.0	2.0	2.0	6.1	--	20
JUL												
02...	.79	1.3	.83	2.2	10	3.0	2.8	2.9	2.8	8.6	--	--
AUG												
01...	1.0	2.2	1.0	2.8	13	1.9	1.9	1.9	1.9	5.8	--	27
SEP												
04...	1.6	1.8	1.6	2.1	9.4	.95	.88	.89	.87	2.7	--	33

02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)

JUL , 1979												
31...	--	2.0	--	2.0	9.3	.50	--	.50	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978												
03...	.03	.02	.10	.02	.01	.03	.05	.03	.22	.22	.28	1.1
31...	.44	.43	1.9	.05	.05	.16	.49	.48	.06	.04	.05	1.2
NOV												
28...	.00	.00	.00	.02	.02	.07	.02	.02	.04	.02	.03	1.1
JAN , 1979												
03...	.02	.02	.10	.00	.00	.00	.02	.02	.03	.02	.03	.90
30...	.02	.02	.10	.01	.01	.03	.03	.03	.01	.01	.01	1.9
MAR												
06...	.02	.01	.04	.01	.01	.03	.03	.02	.01	.01	.01	1.1
APR												
03...	.01	.01	.04	.01	.01	.03	.02	.02	.00	.00	.00	1.0
MAY												
02...	.00	.00	.00	.01	.01	.03	.01	.01	.06	.06	.08	.96
JUN												
05...	.01	.01	.04	.03	.03	.10	.04	.04	.13	.12	.15	1.0
26...	.04	.04	.20	.01	.01	.03	.05	.05	.19	.18	.23	1.2
AUG												
01...	.01	.01	.04	.02	.02	.07	.03	.03	.06	.06	.08	1.4
SEP												
05...	.01	.01	.04	.01	.01	.03	.02	.02	.02	.02	.03	1.3

02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)

MAY , 1979												
22...	.08	--	--	.01	--	--	.09	--	.02	--	--	.40

02300200 - SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FLA. (LAT 27 35 25 LONG 082 10 57)

NOV , 1978												
13...	.03	--	--	.01	--	--	.04	--	.04	--	--	.23
JAN , 1979												
10...	.00	--	--	.01	--	--	.01	--	.03	--	--	2.0
MAR												
14...	.01	--	--	.01	--	--	.02	--	.01	--	--	1.1
MAY												
01...	.03	--	--	.01	--	--	.04	--	.03	--	--	.38
JUN												
26...	.06	--	--	.01	--	--	.07	--	.01	--	--	.42
AUG												
29...	.00	--	--	.02	--	--	.02	--	.01	--	--	1.5

02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)

NOV , 1978												
13...	.26	--	--	.01	--	--	.27	--	.02	--	--	.31
JAN , 1979												
11...	.29	--	--	.02	--	--	.31	--	.04	--	--	.49
MAR												
14...	.33	--	--	.01	--	--	.34	--	.03	--	--	.89
MAY												
02...	.05	--	--	.01	--	--	.06	--	.03	--	--	.30
JUN												
27...	.29	--	--	.01	--	--	.30	--	.02	--	--	.53
AUG												
29...	.10	--	--	.02	--	--	.12	--	.07	--	--	1.2

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978												
03...	.92	1.3	1.1	1.4	6.1	.45	.38	.42	.40	1.2	--	--
31...	1.1	1.2	1.1	1.7	7.7	.37	.35	.35	.33	1.0	--	21
NOV												
28...	.88	1.1	.90	1.1	5.1	.24	.21	.20	.20	.61	--	16
JAN , 1979												
03...	.85	.93	.87	.95	4.2	.15	.13	.11	.10	.31	--	--
30...	1.8	1.9	1.8	1.9	8.6	.26	.26	.26	.26	.80	--	19
MAR												
06...	.83	1.1	.84	1.1	5.0	.25	.23	.25	.23	.71	--	27
APR												
03...	.89	1.0	.89	1.0	4.5	.17	.16	.15	.15	.46	--	--
MAY												
02...	1.0	1.0	1.0	1.0	4.6	.55	.50	.48	.46	1.4	--	23
JUN												
05...	.88	1.1	1.0	1.1	5.2	.57	.54	.54	.53	1.6	--	19
26...	.72	1.3	.90	1.4	6.4	.53	.47	.46	.45	1.4	--	--
AUG												
01...	1.2	1.4	1.2	1.4	6.6	.52	.48	.46	.45	1.4	--	27
SEP												
05...	1.3	1.3	1.3	1.3	5.9	.29	.27	.27	.26	.80	--	26

02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)

MAY , 1979												
22...	--	.42	--	.51	2.3	.67	--	.66	--	--	--	10

02300200 - SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FLA. (LAT 27 35 25 LONG 082 10 57)

NOV , 1978												
13...	--	.27	--	.31	1.4	.73	--	.70	--	--	--	--
JAN , 1979												
10...	--	2.0	--	2.0	9.0	.32	--	.31	--	--	--	--
MAR												
14...	--	1.1	--	1.1	5.0	.36	--	.32	--	--	--	--
MAY												
01...	--	.41	--	.45	2.0	.63	--	.58	--	--	--	--
JUN												
26...	--	.43	--	.50	2.2	.63	--	.61	--	--	--	--
AUG												
29...	--	1.5	--	1.5	6.8	.61	--	.57	--	--	--	--

02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)

NOV , 1978												
13...	--	.33	--	.60	2.7	.35	--	.35	--	--	--	--
JAN , 1979												
11...	--	.53	--	.84	3.7	.35	--	.34	--	--	--	--
MAR												
14...	--	.92	--	1.2	5.6	.40	--	.35	--	--	--	--
MAY												
02...	--	.33	--	.39	1.7	.25	--	.23	--	--	--	--
JUN												
27...	--	.55	--	.85	3.8	.49	--	.46	--	--	--	--
AUG												
29...	--	1.2	--	1.3	6.2	.78	--	.70	--	--	--	--

SURFACE WATER QUALITY RECORDS
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NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00610)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N04) (71846)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00605)
------	---	--	--	---	--	--	---	--	--	--	--	---

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)

OCT , 1978												
12...	.85	--	--	.01	--	--	.86	--	.03	--	--	.44
23...	3.1	--	--	.32	--	--	3.4	--	6.0	--	--	.40
NOV												
29...	1.7	--	--	.04	--	--	1.7	--	.02	--	--	.50
FEB , 1979												
08...	4.1	--	--	.52	--	--	4.6	--	.70	--	--	.74
APR												
04...	.21	--	--	.02	--	--	.23	--	.02	--	--	.39
JUN												
08...	3.2	--	--	.15	--	--	3.3	--	.81	--	--	.87

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978												
12...	.35	--	--	.01	--	--	.36	--	.04	--	--	.54
NOV												
28...	.46	--	--	.04	--	--	.50	--	.03	--	--	.31
FEB , 1979												
07...	.16	--	--	.01	--	--	.17	--	.03	--	--	.67
APR												
05...	.03	--	--	.00	--	--	.03	--	.01	--	--	--
JUN												
05...	.04	--	--	.01	--	--	.05	--	.01	--	--	.81
AUG												
01...	.11	--	--	.01	--	--	.12	--	.02	--	--	.61

02301368 - EDWARD MEDARD RESERVOIR AT PLEASANT GROVE, FLA (LAT 27 54 37 LONG 082 10 08)

OCT , 1978												
26...	.00	--	--	.01	--	--	.01	--	.00	--	--	1.1
MAY , 1979												
21...	.01	--	--	.01	--	--	.02	--	.02	--	--	.86

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978												
03...	.84	.72	3.2	.02	.02	.07	.86	.74	.02	.02	.03	.54
31...	1.5	1.4	6.2	.01	.01	.03	1.5	1.4	.02	.02	.03	.51
NOV												
28...	1.2	1.2	5.3	.03	.03	.10	1.2	1.2	.02	.02	.03	.37
JAN , 1979												
03...	.71	.71	3.1	.04	.04	.13	.75	.75	.14	.12	.15	.96
30...	2.3	2.5	11	.12	.12	.39	2.4	2.6	.09	.09	.12	1.4
MAR												
06...	.66	.66	2.9	.03	.03	.10	.69	.69	.28	.28	.36	1.3
APR												
03...	1.3	1.3	5.8	.01	.01	.03	1.3	1.3	.02	.01	.01	.44
MAY												
02...	1.7	1.7	7.5	.09	.09	.30	1.7	1.7	.02	.01	.01	--
JUN												
05...	1.9	1.9	8.4	.07	.07	.23	1.9	1.9	.09	.09	.12	.91
26...	2.6	2.4	11	.05	.05	.16	2.6	2.4	.08	.08	.10	1.0
AUG												
01...	2.0	2.0	8.9	.04	.04	.13	2.0	2.0	.06	.06	.08	.85
SEP												
05...	.77	.76	3.4	.08	.07	.23	.85	.83	1.5	1.5	1.9	1.5

02301600 - LITHIA SPRINGS NR LITHIA, FLA (LAT 27 51 58 LONG 082 13 57)

OCT , 1978												
26...	2.6	--	--	.01	--	--	2.6	--	.01	--	--	.05
MAY , 1979												
21...	2.3	--	--	.01	--	--	2.3	--	.02	--	--	.13

SURFACE WATER QUALITY RECORDS
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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)

OCT , 1978												
12...	--	.47	--	1.3	5.9	5.2	--	5.2	--	--	--	--
23...	--	6.4	--	9.8	43	23	--	22	--	--	17	4.0
NOV												
29...	--	.52	--	2.2	10	6.2	--	5.8	--	--	--	--
FEB , 1979												
08...	--	1.4	--	6.0	27	6.8	--	6.8	--	--	--	--
APR												
04...	--	.41	--	.64	2.8	.52	--	.51	--	--	--	--
JUN												
08...	--	1.6	--	5.0	22	15	--	14	--	--	--	--

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978												
12...	--	.58	--	.94	4.2	1.5	--	1.5	--	--	--	--
NOV												
28...	--	.34	--	.84	3.7	1.1	--	1.0	--	--	--	--
FEB , 1979												
07...	--	.70	--	.87	3.9	2.3	--	2.3	--	--	--	--
APR												
05...	--	--	--	--	--	.17	--	.17	--	--	--	--
JUN												
05...	--	.82	--	.87	3.9	3.5	--	3.1	--	--	--	--
AUG												
01...	--	.63	--	.75	3.3	2.6	--	2.5	--	--	--	--

02301368 - EDWARD MEDARD RESERVOIR AT PLEASANT GROVE, FLA (LAT 27 54 37 LONG 082 10 08)

OCT , 1978												
26...	--	1.1	--	1.1	4.9	1.6	--	1.6	--	--	38	10
MAY , 1979												
21...	--	.88	--	.90	4.0	1.1	--	1.1	--	--	19	--

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978												
03...	.50	.56	.52	1.4	6.3	4.1	4.0	4.2	4.1	13	--	--
31...	.51	.53	.53	2.0	9.0	5.5	5.5	5.5	5.5	17	--	10
NOV												
28...	.37	.39	.39	1.6	7.2	4.1	4.1	4.1	4.1	13	--	6.8
JAN , 1979												
03...	.68	1.1	.80	1.8	8.2	3.7	3.0	3.1	3.0	9.2	--	--
30...	1.4	1.4	1.4	3.9	17	3.3	3.3	3.3	3.3	10	--	13
MAR												
06...	.64	1.5	.92	2.2	10	2.4	2.2	2.4	2.2	6.7	--	23
APR												
03...	.44	.46	.45	1.7	7.8	3.7	3.7	3.4	3.4	10	--	--
MAY												
02...	.63	--	.64	--	--	11	11	10	10	31	--	13
JUN												
05...	.83	1.0	.92	2.9	13	9.4	9.4	9.4	9.4	29	--	15
26...	.65	1.0	.73	3.7	17	8.0	8.0	7.4	7.8	24	--	--
AUG												
01...	.67	.91	.73	2.9	13	5.3	5.0	5.1	5.0	15	--	15
SEP												
05...	1.3	3.0	2.8	3.8	17	6.9	6.9	6.9	6.9	21	--	34

02301600 - LITHIA SPRINGS NR LITHIA, FLA (LAT 27 51 58 LONG 082 13 57)

OCT , 1978												
26...	--	.06	--	2.6	12	.06	--	.06	--	--	26	.0
MAY , 1979												
21...	--	.15	--	2.4	11	.22	--	.11	--	--	--	1.9

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978												
27...	.01	--	--	.01	--	--	.02	--	.14	--	--	.45
MAY , 1979												
23...	.13	--	--	.04	--	--	.17	--	.06	--	--	1.1

02302000 - CRYSTAL SPRINGS NR ZEPHYRHILLS, FLA (LAT 28 10 30 LONG 082 11 20)

OCT , 1978												
31...	1.4	--	--	.00	--	--	1.4	--	.00	--	--	.01
JAN , 1979												
08...	1.1	--	--	.01	--	--	1.1	--	.00	--	--	.04
MAR												
07...	1.3	--	--	.00	--	--	1.3	--	.01	--	--	.13
MAY												
02...	1.5	--	--	.01	--	--	1.5	--	.03	--	--	.01
JUN												
28...	3.1	--	--	.00	--	--	3.1	--	.01	--	--	.28
AUG												
28...	1.5	--	--	.00	--	--	1.5	--	.00	--	--	.17

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

DEC , 1978												
12...	--	1.5	6.6	--	.00	.00	--	1.5	--	.02	.03	--
12...	--	1.5	6.6	--	.00	.00	--	1.5	--	.02	.03	--
12...	--	1.6	7.1	--	.00	.00	--	1.6	--	.01	.01	--
13...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

NOV , 1978												
01...	.75	--	--	.01	--	--	.76	--	.02	--	--	.82
JAN , 1979												
08...	.98	--	--	.12	--	--	1.1	--	.14	--	--	.29
MAR												
07...	.27	--	--	.03	--	--	.30	--	.34	--	--	1.2
MAY												
01...	1.4	--	--	.04	--	--	1.4	--	.05	--	--	.47
JUN												
26...	.38	--	--	.01	--	--	.39	--	.02	--	--	.68
AUG												
30...	.38	--	--	.04	--	--	.42	--	.07	--	--	1.4

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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02301802 - TAMPA BYPASS CANAL AT S-160,AT TAMPA,FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978												
27...	--	.59	--	.61	2.7	.27	--	.24	--	--	--	7.6
MAY , 1979												
23...	--	1.1	--	1.3	5.9	.44	--	.39	--	--	--	25

02302000 - CRYSTAL SPRINGS NR ZEPHYRHILLS, FLA (LAT 28 10 30 LONG 082 11 20)

OCT , 1978												
31...	--	.01	--	1.4	6.2	.04	--	.04	--	--	--	--
JAN , 1979												
08...	--	.04	--	1.1	5.1	.04	--	.04	--	--	--	--
MAR												
07...	--	.14	--	1.4	6.4	.03	--	.03	--	--	--	--
MAY												
02...	--	.04	--	1.5	6.9	.03	--	.03	--	--	--	--
JUN												
28...	--	.29	--	3.3	15	.05	--	.04	--	--	--	--
AUG												
28...	--	.17	--	1.6	7.4	.04	--	.04	--	--	--	--

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

DEC , 1978												
12...	.44	--	.46	--	--	--	--	--	.04	.12	--	3.5
12...	.22	--	.24	--	--	--	--	--	.04	.12	--	.0
12...	.25	--	.26	--	--	--	--	--	.03	.09	--	4.9
13...	.20	--	.21	--	--	--	--	--	.04	.12	--	2.3

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

NOV , 1978												
01...	--	.84	--	1.6	7.1	1.7	--	1.6	--	--	--	--
JAN , 1979												
08...	--	.43	--	1.5	6.8	1.8	--	1.7	--	--	--	--
MAR												
07...	--	1.5	--	1.8	8.1	1.1	--	1.0	--	--	--	--
MAY												
01...	--	.52	--	1.9	8.7	1.8	--	1.8	--	--	--	--
JUN												
26...	--	.70	--	1.0	4.8	2.3	--	2.2	--	--	--	--
AUG												
30...	--	1.4	--	1.8	8.4	1.3	--	1.1	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978												
04...	1.9	1.7	7.5	.04	.04	.13	1.9	1.7	.07	.07	.09	.28
NOV												
01...	1.2	1.2	5.3	.01	.01	.03	1.2	1.2	.02	.02	.03	.14
27...	1.1	1.1	4.9	.02	.02	.07	1.1	1.1	.02	.01	.01	.16
DEC												
12...	--	1.3	5.8	--	.00	.00	--	1.3	--	.02	.03	--
12...	--	1.3	5.8	--	.00	.00	--	1.3	--	.02	.03	--
12...	--	.17	.80	--	.02	.07	--	.19	--	.06	.08	--
12...	--	.92	4.1	--	.00	.00	--	.92	--	.01	.01	--
12...	--	1.1	4.9	--	.00	.00	--	1.1	--	.02	.03	--
12...	--	1.1	4.9	--	.00	.00	--	1.1	--	.02	.03	--
12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--
13...	--	.17	.80	--	.02	.07	--	.19	--	.06	.08	--
13...	--	1.0	4.4	--	.00	.00	--	1.0	--	.02	.03	--
13...	--	1.1	4.9	--	.00	.00	--	1.1	--	.02	.03	--
13...	--	1.3	5.8	--	.00	.00	--	1.3	--	.02	.03	--
13...	--	1.2	5.3	--	.00	.00	--	1.2	--	.01	.01	--
JAN , 1979												
03...	1.2	1.2	5.3	.16	.16	.53	1.3	1.3	.30	.29	.37	.50
30...	.83	.88	3.9	.01	.01	.03	.84	.89	.01	.02	.03	1.1
MAR												
06...	.29	.25	1.1	.01	.02	.07	.30	.27	.03	.03	.04	.89
27...	.85	.85	3.8	.01	.01	.03	.86	.86	.02	.02	.03	.66
MAY												
02...	.99	.99	4.4	.01	.01	.03	1.0	1.0	.03	.02	.03	.17
JUN												
04...	.78	.78	3.5	.01	.01	.03	.79	.79	.02	.02	.03	.50
26...	1.1	1.0	4.4	.00	.00	.00	1.1	1.0	.05	.05	.06	.13
AUG												
01...	.93	.93	4.1	.01	.01	.03	.94	.94	.05	.03	.04	1.7
28...	.32	.32	1.4	.02	.02	.07	.34	.34	.01	.01	.01	1.1

02303200 - PEMBERTON CREEK NR DOVER, FLA. (LAT 28 01 34 LONG 082 14 12)

NOV , 1978												
07...	.26	--	--	.08	--	--	.34	--	.45	--	--	.61
JAN , 1979												
08...	.56	--	--	.06	--	--	.62	--	.38	--	--	.88
MAR												
02...	1.4	--	--	.30	--	--	1.7	--	.28	--	--	.96
MAY												
01...	6.1	--	--	.02	--	--	6.1	--	.02	--	--	.98
JUN												
27...	.45	--	--	.01	--	--	.46	--	.02	--	--	1.1
SEP												
10...	1.7	--	--	.11	--	--	1.8	--	.20	--	--	.78

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979												
07...	--	.01	.04	--	.00	.03	--	.02	--	.09	.12	--

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978												
26...	.00	--	--	.01	--	--	.01	--	.03	--	--	1.0
MAY , 1979												
25...	1.3	--	--	.11	--	--	1.4	--	1.5	--	--	1.4

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978												
04...	.28	.35	.35	2.2	10	.39	.39	.42	.42	1.3	--	--
NOV												
01...	.14	.16	.16	1.3	6.1	.29	.29	.29	.27	.83	--	20
27...	.19	.18	.20	1.3	5.8	.18	.17	.18	.17	.52	--	5.1
DEC												
12...	.28	--	.30	--	--	--	--	--	.34	1.0	--	2.5
12...	.34	--	.36	--	--	--	--	--	.33	1.0	--	3.1
12...	.58	--	.64	--	--	--	--	--	.01	.03	--	17
12...	.45	--	.46	--	--	--	--	--	.40	1.2	--	5.6
12...	.24	--	.26	--	--	--	--	--	.34	1.0	--	4.9
12...	.23	--	.25	--	--	--	--	--	.35	1.1	--	5.8
12...	.23	--	.24	--	--	--	--	--	.29	.89	--	5.8
13...	.54	--	.60	--	--	--	--	--	.01	.03	--	9.0
13...	.38	--	.40	--	--	--	--	--	.38	1.2	--	3.3
13...	.25	--	.27	--	--	--	--	--	.36	1.1	--	4.3
13...	.35	--	.37	--	--	--	--	--	.35	1.1	--	7.1
13...	.23	--	.24	--	--	--	--	--	.31	.95	--	1.5
JAN , 1979												
03...	.50	.80	.79	2.1	9.6	1.4	1.4	1.4	1.4	4.3	--	--
30...	.76	1.1	.78	1.9	8.6	.58	.58	.58	.58	1.8	--	13
MAR												
06...	.53	.92	.56	1.2	5.4	.61	.51	.51	.51	1.6	--	27
27...	--	.68	.85	1.5	6.8	.32	.30	.30	.30	.92	--	--
MAY												
02...	.18	.20	.20	1.2	5.3	.23	.21	.21	.20	.61	--	--
JUN												
04...	.55	.52	.57	1.3	5.8	.42	.42	.42	.41	1.3	--	20
26...	.14	.18	.19	1.2	5.7	.24	.23	.23	.22	.67	--	--
AUG												
01...	.62	1.7	.65	2.6	12	.59	.55	.58	.52	1.6	--	17
28...	1.1	1.1	1.1	1.4	6.4	.62	.57	.58	.55	1.7	--	27

02303200 - PEMBERTON CREEK NR DOVER, FLA. (LAT 28 01 34 LONG 082 14 12)

NOV , 1978												
07...	--	1.0	--	1.4	6.2	.26	--	.13	--	--	--	--
JAN , 1979												
08...	--	1.2	--	1.8	8.3	5.8	--	5.7	--	--	--	--
MAR												
02...	--	1.2	--	2.9	13	.85	--	.54	--	--	--	--
MAY												
01...	--	1.0	--	7.1	32	.37	--	.30	--	--	--	--
JUN												
27...	--	1.1	--	1.5	7.0	.43	--	.27	--	--	--	--
SEP												
10...	--	.98	--	2.7	12	1.1	--	.83	--	--	--	--

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979												
07...	1.2	--	1.3	--	--	--	.07	--	.01	.03	--	--

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978												
26...	--	1.0	--	1.0	4.6	.39	--	.22	--	--	--	12
MAY , 1979												
25...	--	2.9	--	4.3	19	1.1	--	.70	--	--	--	23

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DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DISE- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DISE- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DISE- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DISE- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, N02+N03 DISE- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DISE- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DISE- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
------	---	---	---	---	---	---	---	---	---	---	---	---

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978												
26...	.00	--	--	.01	--	--	.01	--	.03	--	--	2.0
JAN , 1979												
08...	.00	--	--	.00	--	--	.00	--	.02	--	--	.98
MAR												
05...	.07	--	--	.02	--	--	.09	--	.02	--	--	1.9
MAY												
03...	.00	--	--	.01	--	--	.01	--	.01	--	--	2.6
25...	.03	--	--	.01	--	--	.04	--	.01	--	--	1.1
JUN												
29...	.00	--	--	.01	--	--	.01	--	.01	--	--	2.3
AUG												
30...	.01	--	--	.01	--	--	.02	--	.02	--	--	2.2

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978												
30...	.97	--	--	.01	--	--	.98	--	.02	--	--	.28
DEC												
12...	--	.88	3.9	--	.00	.00	--	.88	--	.02	.03	--
12...	--	.83	3.7	--	.00	.00	--	.83	--	.02	.03	--
JAN , 1979												
05...	.84	--	--	.05	--	--	.89	--	.06	--	--	.52
MAR												
05...	.14	--	--	.01	--	--	.15	--	.05	--	--	.63
APR												
30...	.62	--	--	.01	--	--	.63	--	.02	--	--	.27
JUN												
25...	.76	--	--	.01	--	--	.77	--	.06	--	--	.24
AUG												
27...	.11	--	--	.02	--	--	.13	--	.02	--	--	2.2

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

MAR , 1979												
08...	.04	--	--	.01	--	--	.05	--	.06	--	--	.66
JUL												
06...	.03	--	--	.02	--	--	.05	--	.07	--	--	1.3
SEP												
05...	.05	--	--	.01	--	--	.06	--	.00	--	--	1.5

02303420 - CYPRESS CREEK AT WORTHINGTON GARDENS, FLA. (LAT 28 11 08 LONG 082 24 03)

DEC , 1978												
26...	.20	--	--	.04	--	--	.24	--	.18	--	--	.39

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

DEC , 1978												
12...	--	.19	.80	--	.02	.07	--	.21	--	.07	.09	--
12...	--	.19	.80	--	.02	.07	--	.21	--	.07	.09	--
28...	.22	--	--	.03	--	--	.25	--	.12	--	--	.27
MAR , 1979												
07...	.00	--	--	.01	--	--	.01	--	.01	--	--	.87
APR												
23...	.00	--	--	.01	--	--	.01	--	.10	--	--	1.2
JUL												
02...	.03	--	--	.01	--	--	.04	--	.00	--	--	1.2
SEP												
07...	.01	--	--	.01	--	--	.02	--	.01	--	--	1.5

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DATE	NITRO- GEN. ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN. AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN. AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN. TOTAL (MG/L AS N) (00600)	NITRO- GEN. TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS. TOTAL (MG/L AS P) (00665)	PHOS- PHORUS. DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS. ORTHO. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS. ORTHO. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE. ORTHO. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	--	---	--	--	--	---	--	---	--	---	--

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978												
26...	--	2.0	--	2.0	9.0	.75	--	.58	--	--	--	23
JAN , 1979												
03...	--	1.0	--	1.0	4.4	.74	--	.51	--	--	--	--
MAR												
05...	--	1.9	--	2.0	8.9	.78	--	.59	--	--	--	--
MAY												
03...	--	2.6	--	2.6	12	.89	--	.63	--	--	--	--
25...	--	1.1	--	1.1	5.1	.80	--	.62	--	--	--	21
JUN												
29...	--	2.3	--	2.3	10	.79	--	.52	--	--	--	--
AUG												
30...	--	2.2	--	2.2	9.9	.70	--	.50	--	--	--	--

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978												
30...	--	.30	--	1.2	5.7	.26	--	.25	--	--	--	--
DEC												
12...	.39	--	.41	--	--	--	--	--	.42	1.3	--	1.0
12...	.42	--	.44	--	--	--	--	--	.41	1.3	--	4.5
JAN , 1979												
05...	--	.58	--	1.4	6.5	.78	--	.74	--	--	--	--
MAR												
05...	--	.68	--	.83	3.7	.50	--	.50	--	--	--	--
APR												
30...	--	.29	--	.92	4.1	.28	--	.24	--	--	--	--
JUN												
25...	--	.30	--	1.0	4.7	.26	--	.25	--	--	--	--
AUG												
27...	--	2.2	--	2.3	10	.74	--	.67	--	--	--	--

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

MAR , 1979												
08...	--	.72	--	.77	3.4	.21	--	.21	--	--	--	--
JUL												
06...	--	1.3	--	1.4	6.3	.17	--	.13	--	--	--	--
SEP												
05...	--	1.5	--	1.5	6.9	.29	--	.25	--	--	--	--

02303420 - CYPRESS CREEK AT WORTHINGTON GARDENS, FLA. (LAT 28 11 08 LONG 082 24 03)

DEC , 1978												
26...	--	.57	--	.81	3.6	.04	--	.01	--	--	--	--

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

DEC , 1978												
12...	.67	--	.74	--	--	--	--	--	.01	.03	--	11
12...	.59	--	.66	--	--	--	--	--	.01	.03	--	9.7
28...	--	.39	--	.64	2.8	.05	--	.01	--	--	--	--
MAR , 1979												
07...	--	.88	--	.89	3.9	.02	--	.01	--	--	--	--
APR												
23...	--	1.3	--	1.3	5.8	.08	--	.02	--	--	--	--
JUL												
02...	--	1.2	--	1.2	5.5	.04	--	.02	--	--	--	--
SEP												
07...	--	1.5	--	1.5	6.8	.06	--	.03	--	--	--	--

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DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)												
NOV , 1978												
01...	.78	--	--	.01	--	--	.79	--	.04	--	--	.20
DEC												
12...	--	.57	2.5	--	.01	.03	--	.58	--	.04	.05	--
12...	--	.55	2.4	--	.01	.03	--	.56	--	.03	.04	--
12...	--	.59	2.6	--	.01	.03	--	.60	--	.03	.04	--
13...	--	.60	2.7	--	.01	.03	--	.61	--	.03	.04	--
JAN , 1979												
03...	.65	--	--	.02	--	--	.67	--	.06	--	--	.53
MAR												
06...	.02	--	--	.01	--	--	.03	--	.04	--	--	.84
MAY												
01...	.26	--	--	.01	--	--	.27	--	.05	--	--	.22
JUN												
25...	.08	--	--	.00	--	--	.08	--	.06	--	--	.57
AUG												
27...	.03	--	--	.01	--	--	.04	--	.02	--	--	1.1
02304200 - HILLSBOROUGH RIVER AT HARNEY, FLA (LAT 28 00 54 LONG 082 22 30)												
DEC , 1978												
12...	--	.49	2.2	--	.01	.03	--	.50	--	.03	.04	--
12...	--	.48	2.1	--	.01	.03	--	.49	--	.02	.03	--
12...	--	.50	2.2	--	.00	.00	--	.50	--	.02	.03	--
13...	--	.49	2.2	--	.01	.03	--	.50	--	.01	.01	--
02304510 - HILLSBOROUGH RIVER AT 22ND ST NR TAMPA, FLA (LAT 28 01 15 LONG 082 26 05)												
AUG , 1979												
07...	.06	--	--	.01	--	--	.07	--	.08	--	--	.75
02306006 - KIRBY STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 28 01 07 LONG 082 28 04)												
JUN , 1979												
26...	.21	--	--	.02	--	--	.23	--	.18	--	--	1.6
26...	1.7	--	--	.06	--	--	1.7	--	.09	--	--	1.5
AUG												
02...	.50	--	--	.03	--	--	.53	--	.06	--	--	1.4
02...	.50	--	--	.03	--	--	.53	--	.15	--	--	1.9
02...	.71	--	--	.05	--	--	.76	--	.30	--	--	2.9
02...	.68	--	--	.05	--	--	.73	--	.32	--	--	2.0
02...	.62	--	--	.05	--	--	.67	--	.26	--	--	1.4
02...	.57	--	--	.04	--	--	.61	--	.20	--	--	1.2
02...	.47	--	--	.04	--	--	.51	--	.12	--	--	.88
02...	.86	--	--	.06	--	--	.92	--	.80	--	--	1.7
02...	.84	--	--	.05	--	--	.89	--	.72	--	--	1.3
13...	.28	--	--	.02	--	--	.30	--	.44	--	--	.84
13...	.27	--	--	.02	--	--	.29	--	.18	--	--	1.2
13...	.28	--	--	.02	--	--	.30	--	.18	--	--	1.1
13...	.18	--	--	.02	--	--	.20	--	.09	--	--	1.4
13...	.24	--	--	.02	--	--	.26	--	.16	--	--	1.1
13...	.22	--	--	.02	--	--	.24	--	.14	--	--	1.1
13...	.27	--	--	.02	--	--	.29	--	.16	--	--	.90
13...	.30	--	--	.02	--	--	.32	--	.17	--	--	1.0
13...	.43	--	--	.03	--	--	.46	--	.28	--	--	.94

SURFACE WATER QUALITY RECORDS
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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA,FLA (LAT 28 03 15 LONG 082 21 50)

NOV , 1978												
01...	--	.24	--	1.0	4.6	.25	--	.24	--	--	--	--
DEC												
12...	.32	--	.36	--	--	--	--	.29	.89	--	--	5.8
12...	.33	--	.36	--	--	--	--	.30	.92	--	--	4.9
12...	.35	--	.38	--	--	--	--	.29	.89	--	--	6.1
13...	.41	--	.44	--	--	--	--	.28	.86	--	--	7.5
JAN , 1979												
03...	--	.59	--	1.2	5.6	.65	--	.62	--	--	--	--
MAR												
06...	--	.88	--	.91	4.0	.33	--	.33	--	--	--	--
MAY												
01...	--	.27	--	.54	2.4	.20	--	.17	--	--	--	--
JUN												
25...	--	.63	--	.71	3.1	.26	--	.25	--	--	--	--
AUG												
27...	--	1.1	--	1.1	5.1	.54	--	.51	--	--	--	--

02304200 - HILLSBOROUGH RIVER AT HARNEY, FLA (LAT 28 00 54 LONG 082 22 30)

DEC , 1978												
12...	.22	--	.25	--	--	--	--	.18	.55	--	--	3.6
12...	.24	--	.26	--	--	--	--	.18	.55	--	--	3.6
12...	.28	--	.30	--	--	--	--	.19	.58	--	--	5.2
13...	.33	--	.34	--	--	--	--	.18	.55	--	--	7.0

02304510 - HILLSBOROUGH RIVER AT 22ND ST NR TAMPA, FLA (LAT 28 01 15 LONG 082 26 05)

AUG , 1979												
07...	--	.83	--	.90	4.0	.59	--	.52	--	--	--	--

02306006 - KIRBY STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 28 01 07 LONG 082 28 04)

JUN , 1979												
26...	--	1.7	--	2.0	8.9	.08	--	.04	--	--	--	30
26...	--	1.5	--	3.3	15	.11	--	.06	--	--	--	45
AUG												
02...	--	1.4	--	1.9	8.8	.15	--	.10	--	--	--	10
02...	--	2.0	--	2.5	11	.27	--	.07	--	--	--	27
02...	--	3.2	--	3.9	18	.39	--	.08	--	--	--	24
02...	--	2.3	--	3.0	14	.34	--	.09	--	--	--	25
02...	--	1.6	--	2.3	10	.29	--	.09	--	--	--	19
02...	--	1.4	--	2.0	8.9	.25	--	.09	--	--	--	18
02...	--	1.0	--	1.5	6.7	.18	--	.09	--	--	--	16
02...	--	2.5	--	3.4	15	.38	--	.26	--	--	--	23
02...	--	2.0	--	2.9	13	.34	--	.27	--	--	--	19
13...	--	1.2	--	1.5	7.0	.13	--	.08	--	--	--	19
13...	--	1.3	--	1.6	7.4	.14	--	.09	--	--	--	19
13...	--	1.2	--	1.5	7.0	.16	--	.09	--	--	--	19
13...	--	1.4	--	1.6	7.5	.50	--	.17	--	--	--	17
13...	--	1.2	--	1.5	6.7	.23	--	.13	--	--	--	20
13...	--	1.2	--	1.4	6.6	.20	--	.12	--	--	--	23
13...	--	1.0	--	1.3	6.0	.17	--	.12	--	--	--	16
13...	--	1.1	--	1.4	6.6	.17	--	.12	--	--	--	16
13...	--	1.2	--	1.6	7.4	.18	--	.13	--	--	--	20

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN. NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN. NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN. NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN. NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN. NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN. NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN. N02+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN. N02+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN. AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN. ORGANIC TOTAL (MG/L AS N) (00605)
------	---	--	--	---	--	--	---	--	---	--	--	---

02306021 - ST. LOUIS STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 57 54 LONG 082 29 13.01)

JAN , 1979												
02...	.07	--	--	.03	--	--	.10	--	.09	--	--	4.3
02...	.07	--	--	.02	--	--	.09	--	.07	--	--	1.5
02...	.07	--	--	.02	--	--	.09	--	.11	--	--	2.3
02...	.08	--	--	.02	--	--	.10	--	.08	--	--	1.2
02...	.07	--	--	.02	--	--	.09	--	.05	--	--	.45
02...	.07	--	--	.02	--	--	.09	--	.06	--	--	.48
AUG												
23...	.47	--	--	.07	--	--	.54	--	.55	--	--	3.4
23...	.31	--	--	.07	--	--	.38	--	1.6	--	--	1.8
23...	.35	--	--	.11	--	--	.46	--	1.7	--	--	2.5
23...	.57	--	--	.05	--	--	.62	--	1.5	--	--	1.6
23...	.49	--	--	.03	--	--	.52	--	1.0	--	--	1.9
23...	.37	--	--	.02	--	--	.39	--	.12	--	--	1.8
23...	.39	--	--	.02	--	--	.41	--	.03	--	--	1.5
23...	.39	--	--	.02	--	--	.41	--	.04	--	--	1.3
23...	.41	--	--	.02	--	--	.43	--	.10	--	--	1.2
23...	.43	--	--	.02	--	--	.45	--	.12	--	--	1.4
23...	.40	--	--	.02	--	--	.42	--	.10	--	--	1.4
27...	.24	--	--	.02	--	--	.26	--	.28	--	--	1.5
27...	.20	--	--	.02	--	--	.22	--	.20	--	--	1.0
27...	.19	--	--	.02	--	--	.21	--	.20	--	--	1.1
27...	.24	--	--	.02	--	--	.26	--	.16	--	--	1.0

02306071 - GANDY BOULEVARD DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 53 37 LONG 082 31 07)

JAN , 1979												
02...	.06	--	--	.02	--	--	.08	--	.03	--	--	.60
02...	.06	--	--	.01	--	--	.07	--	.05	--	--	.92
02...	.06	--	--	.01	--	--	.07	--	.05	--	--	.59
02...	.06	--	--	.01	--	--	.07	--	.06	--	--	.37
02...	.06	--	--	.02	--	--	.08	--	.10	--	--	.71
02...	.07	--	--	.02	--	--	.09	--	.09	--	--	.55
02...	.07	--	--	.02	--	--	.09	--	.12	--	--	.64
02...	.08	--	--	.02	--	--	.10	--	.12	--	--	.59

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

MAY , 1979												
24...	.00	--	--	.01	--	--	.01	--	.01	--	--	.69

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978												
03...	.14	--	--	.02	--	--	.16	--	.23	--	--	.49
NOV												
29...	.00	--	--	.02	--	--	.02	--	.38	--	--	.44
FEB , 1979												
06...	.31	--	--	.04	--	--	.35	--	.09	--	--	.69
APR												
03...	.42	--	--	.06	--	--	.48	--	.18	--	--	.89
MAY												
29...	.14	--	--	.02	--	--	.16	--	.16	--	--	.74
JUL												
23...	.28	--	--	.02	--	--	.30	--	.12	--	--	.78

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

457

DATE	NITRO- GEN, DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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02306021 - ST. LOUIS STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 57 54 LONG 082 29 13.01)

JAN , 1979

02...	--	4.3	--	4.4	20	1.7	--	.10	--	--	--	4.4
02...	--	1.5	--	1.6	7.3	.49	--	.13	--	--	--	8.8
02...	--	2.4	--	2.5	11	.66	--	.17	--	--	--	4.0
02...	--	1.2	--	1.3	6.1	.43	--	.20	--	--	--	4.1
02...	--	.50	--	.59	2.6	.18	--	.11	--	--	--	2.9
02...	--	.54	--	.63	2.8	.17	--	.10	--	--	--	3.0

AUG

23...	--	3.9	--	4.4	20	.51	--	.12	--	--	--	--
23...	--	3.4	--	3.7	17	.40	--	.15	--	--	--	--
23...	--	4.2	--	4.6	21	.24	--	.12	--	--	--	20
23...	--	3.1	--	3.7	16	.34	--	.10	--	--	--	18
23...	--	2.9	--	3.4	15	.42	--	.11	--	--	--	18
23...	--	1.9	--	2.3	10	.41	--	.13	--	--	--	15
23...	--	1.5	--	1.9	8.6	.44	--	.17	--	--	--	13
23...	--	1.3	--	1.7	7.7	.39	--	.18	--	--	--	11
23...	--	11	--	12	54	.44	--	.19	--	--	--	10
23...	--	1.5	--	1.9	8.7	.41	--	.22	--	--	--	12
23...	--	1.5	--	1.9	8.5	.38	--	.23	--	--	--	14
27...	--	1.7	--	2.0	9.0	.41	--	.12	--	--	--	12
27...	--	1.2	--	1.4	6.3	.36	--	.15	--	--	--	10
27...	--	1.3	--	1.5	6.7	.39	--	.17	--	--	--	11
27...	--	1.1	--	1.4	6.3	.38	--	.18	--	--	--	12

02306071 - GANDY BOULEVARD DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 53 37 LONG 082 31 07)

JAN , 1979

02...	--	.63	--	.71	3.1	.21	--	.11	--	--	--	4.0
02...	--	.97	--	1.0	4.6	.39	--	.19	--	--	--	5.0
02...	--	.64	--	.71	3.1	.30	--	.14	--	--	--	5.6
02...	--	.43	--	.50	2.2	.25	--	.14	--	--	--	3.7
02...	--	.81	--	.89	3.9	.30	--	.16	--	--	--	4.7
02...	--	.64	--	.73	3.2	.30	--	.15	--	--	--	4.7
02...	--	.76	--	.85	3.8	.22	--	.13	--	--	--	3.7
02...	--	.71	--	.81	3.6	.21	--	.13	--	--	--	5.1

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

MAY , 1979

24...	--	.70	--	.71	3.1	.02	--	.01	--	--	--	11
-------	----	-----	----	-----	-----	-----	----	-----	----	----	----	----

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978

03...	--	.72	--	.88	3.9	.06	--	.05	--	--	--	--
NOV												
29...	--	.82	--	.84	3.7	.08	--	.04	--	--	--	--
FEB , 1979												
06...	--	.78	--	1.1	5.0	.10	--	.08	--	--	--	--
APR												
03...	--	1.0	--	1.5	6.9	.16	--	.16	--	--	--	--
MAY												
29...	--	.90	--	1.0	4.7	.08	--	.06	--	--	--	--
JUL												
23...	--	.90	--	1.2	5.3	.05	--	.04	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978												
11...	.02	--	--	.00	--	--	.02	--	.04	--	--	.37
DEC												
07...	.06	--	--	.01	--	--	.07	--	.09	--	--	1.3
FEB , 1979												
02...	.20	--	--	.01	--	--	.21	--	.11	--	--	1.4
JUN												
05...	.00	--	--	.01	--	--	.01	--	.06	--	--	1.6
JUL												
31...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.6

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979												
24...	.25	--	--	.02	--	--	.27	--	.09	--	--	.99
24...	.22	--	--	.02	--	--	.24	--	.12	--	--	.76
24...	.16	--	--	.06	--	--	.22	--	.15	--	--	1.6
24...	.10	--	--	.07	--	--	.17	--	.12	--	--	1.4
24...	.09	--	--	.04	--	--	.13	--	.12	--	--	.80
24...	.09	--	--	.04	--	--	.13	--	.16	--	--	6.3
24...	.06	--	--	.07	--	--	.13	--	.13	--	--	1.8
24...	.05	--	--	.08	--	--	.13	--	.17	--	--	1.9
24...	.03	--	--	.10	--	--	.13	--	.16	--	--	1.5
24...	.05	--	--	.08	--	--	.13	--	.14	--	--	1.9
24...	.05	--	--	.07	--	--	.12	--	.13	--	--	1.4

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979												
11...	.12	--	--	.03	--	--	.15	--	.12	--	--	.14
11...	.12	--	--	.03	--	--	.15	--	.15	--	--	.36
11...	.13	--	--	.03	--	--	.16	--	.17	--	--	.10
12...	.20	--	--	.04	--	--	.24	--	.27	--	--	.10
12...	.26	--	--	.05	--	--	.31	--	.29	--	--	.08
12...	.19	--	--	.04	--	--	.23	--	.30	--	--	.01
12...	.12	--	--	.03	--	--	.15	--	.20	--	--	.04
12...	.10	--	--	.03	--	--	.13	--	.15	--	--	.00
12...	.06	--	--	.03	--	--	.09	--	.12	--	--	.04
12...	.05	--	--	.02	--	--	.07	--	.10	--	--	.03
12...	.05	--	--	.02	--	--	.07	--	.09	--	--	.06

02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)

FEB , 1979												
21...	8.5	--	--	.01	--	--	8.5	--	.02	--	--	.40
MAY												
22...	8.2	--	--	.01	--	--	8.2	--	.02	--	--	.50
JUN												
19...	6.2	--	--	.02	--	--	6.2	--	.02	--	--	.44

02310000 - ANCLOTE RIVER NR ELFRERS, FLA. (LAT 28 12 50 LONG 082 40 00)

OCT , 1978												
03...	.09	--	--	.01	--	--	.10	--	.03	--	--	.55
NOV												
28...	.06	--	--	.02	--	--	.08	--	.05	--	--	.17
FEB , 1979												
05...	.02	--	--	.01	--	--	.03	--	.02	--	--	.58
APR												
03...	.09	--	--	.01	--	--	.10	--	.04	--	--	.54
MAY												
29...	.05	--	--	.02	--	--	.07	--	.02	--	--	1.0
JUL												
24...	.07	--	--	.01	--	--	.08	--	3.0	--	--	.58

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

459

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978												
11...	--	.41	--	.43	1.9	.02	--	.01	--	--	--	--
DEC												
07...	--	1.3	--	1.4	6.5	.07	--	.05	--	--	--	--
FEB , 1979												
02...	--	1.5	--	1.7	7.6	.03	--	.02	--	--	--	--
JUN												
05...	--	1.6	--	1.6	7.4	.02	--	.02	--	--	--	--
JUL												
31...	--	1.6	--	1.6	7.2	.03	--	.02	--	--	--	--

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979												
24...	--	1.0	--	1.3	6.0	.28	--	.10	--	--	--	15
24...	--	.88	--	1.1	5.0	.24	--	.11	--	--	--	13
24...	--	1.7	--	1.9	8.7	.40	--	.23	--	--	--	25
24...	--	1.5	--	1.6	7.5	.36	--	.24	--	--	--	33
24...	--	.92	--	1.0	4.6	.32	--	.14	--	--	--	20
24...	--	6.4	--	6.5	29	1.0	--	.16	--	--	--	50
24...	--	1.9	--	2.0	9.1	.48	--	.23	--	--	--	27
24...	--	2.0	--	2.2	9.7	.64	--	.27	--	--	--	37
24...	--	1.6	--	1.7	7.9	.52	--	.32	--	--	--	27
24...	--	2.0	--	2.1	9.6	.56	--	.27	--	--	--	21
24...	--	1.5	--	1.6	7.3	.44	--	.25	--	--	--	15

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979												
11...	--	.26	--	.41	1.8	.06	--	.04	--	--	--	20
11...	--	.51	--	.66	2.9	.07	--	.04	--	--	--	12
11...	--	.27	--	.43	1.9	.15	--	.04	--	--	--	23
12...	--	.37	--	.61	2.7	.08	--	.05	--	--	--	15
12...	--	.37	--	.68	3.0	.09	--	.06	--	--	--	12
12...	--	.31	--	.54	2.4	.11	--	.08	--	--	--	5.4
12...	--	.24	--	.39	1.7	.12	--	.07	--	--	--	9.5
12...	--	.15	--	.28	1.2	.08	--	.06	--	--	--	9.5
12...	--	.16	--	.25	1.1	.10	--	.06	--	--	--	3.3
12...	--	.13	--	.20	.90	.09	--	.06	--	--	--	6.5
12...	--	.15	--	.22	1.0	.09	--	.06	--	--	--	2.5

02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)

FEB , 1979												
21...	--	.42	--	8.9	40	.04	--	.04	--	--	--	--
MAY												
22...	--	.52	--	8.7	39	.05	--	.04	--	--	--	--
JUN												
19...	--	.46	--	6.6	30	.04	--	.04	--	--	--	--

02310000 - ANCLOTE RIVER NR ELFRS, FLA. (LAT 28 12 50 LONG 082 40 00)

OCT , 1978												
03...	--	.58	--	.68	3.0	.04	--	.02	--	--	--	--
NOV												
28...	--	.22	--	.30	1.3	.06	--	.05	--	--	--	--
FEB , 1979												
05...	--	.60	--	.63	2.8	.03	--	.01	--	--	--	--
APR												
03...	--	.58	--	.68	3.0	.04	--	.04	--	--	--	--
MAY												
29...	--	1.0	--	1.0	4.8	.04	--	.03	--	--	--	--
JUL												
24...	--	3.5	--	3.6	16	.06	--	.05	--	--	--	--

SURFACE WATER QUALITY RECORDS
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NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00610)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00605)
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02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978												
10...	.13	--	--	.01	--	--	.14	--	.05	--	--	.55
NOV												
02...	.09	--	--	.01	--	--	.10	--	.04	--	--	.14
JAN , 1979												
11...	.02	--	--	.01	--	--	.03	--	.03	--	--	.69
MAR												
01...	.00	--	--	.01	--	--	.01	--	.02	--	--	.76
MAY												
03...	.07	--	--	.01	--	--	.08	--	.04	--	--	.21
JUN												
28...	.07	--	--	.01	--	--	.08	--	.03	--	--	.30
SEP												
12...	.02	--	--	.01	--	--	.03	--	.01	--	--	1.1

02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)

JAN , 1979												
11...	.12	--	--	.01	--	--	.13	--	.02	--	--	.72
MAR												
01...	.13	--	--	.00	--	--	.13	--	.01	--	--	.07
MAY												
03...	.12	--	--	.01	--	--	.13	--	.01	--	--	.00
JUN												
28...	.14	--	--	.00	--	--	.14	--	.00	--	--	.17
SEP												
05...	.13	--	--	.00	--	--	.13	--	.00	--	--	.80

02310800 - WITHLACOOCHIE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

OCT , 1978												
17...	--	.03	.10	--	.01	.03	--	.04	--	.23	.30	.25
DEC												
13...	--	.08	.40	--	.05	.16	--	.13	--	.32	.41	--
JUN , 1979												
11...	.00	--	--	.05	--	--	.05	--	.00	--	--	.77
AUG												
02...	.00	--	--	.03	--	--	.03	--	.03	--	--	.82
SEP												
19...	.09	--	--	.03	--	--	.12	--	.08	--	--	1.5

02311500 - WITHLACOOCHIE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

NOV , 1978												
08...	.01	--	--	.00	--	--	.01	--	.02	--	--	.33
JAN , 1979												
30...	.00	--	--	.01	--	--	.01	--	.01	--	--	2.7
MAR												
21...	.01	--	--	.01	--	--	.02	--	.00	--	--	1.0
MAY												
23...	.02	--	--	.02	--	--	.04	--	.01	--	--	1.4
JUL												
09...	.00	--	--	.01	--	--	.01	--	.03	--	--	.85
SEP												
19...	.01	--	--	.02	--	--	.03	--	.00	--	--	1.1

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979												
22...	.00	--	--	.01	--	--	.01	--	.01	--	--	2.6
MAY												
09...	.00	--	--	.01	--	--	.01	--	.03	--	--	3.0

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS NO3) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978												
10...	--	.60	--	.74	3.3	.04	--	.03	--	--	--	--
NOV												
02...	--	.18	--	.28	1.2	.05	--	.04	--	--	--	--
JAN , 1979												
11...	--	.72	--	.75	3.3	.02	--	.01	--	--	--	--
MAR												
01...	--	.78	--	.79	3.5	.02	--	.01	--	--	--	--
MAY												
03...	--	.25	--	.33	1.5	.05	--	.04	--	--	--	--
JUN												
28...	--	.33	--	.41	1.8	.04	--	.04	--	--	--	--
SEP												
12...	--	1.1	--	1.1	5.0	.03	--	.02	--	--	--	--

02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE,FLA. (LAT 28 31 00 LONG 082 34 25)

JAN , 1979												
11...	--	.74	--	.87	3.9	.02	--	.01	--	--	--	--
MAR												
01...	--	.08	--	.21	.90	.02	--	.01	--	--	--	--
MAY												
03...	--	.01	--	.14	.60	.02	--	.01	--	--	--	--
JUN												
28...	--	.17	--	.31	1.4	.01	--	.01	--	--	--	--
SEP												
05...	--	.80	--	.93	4.1	.01	--	.01	--	--	--	--

02310800 - WITHLACOOCHIE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

OCT , 1978												
17...	--	--	--	--	--	.63	--	--	.08	.25	--	--
DEC												
13...	.66	--	.98	--	--	--	.16	--	.10	.31	--	--
JUN , 1979												
11...	--	.77	--	.82	3.6	.07	--	.07	--	--	--	61
AUG												
02...	--	.85	--	.88	3.9	.09	--	.09	--	--	--	--
SEP												
19...	--	1.5	--	1.7	7.5	.24	--	.10	--	--	--	49

02311500 - WITHLACOOCHIE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

NOV , 1978												
08...	--	.35	--	.36	1.6	.02	--	.01	--	--	--	--
JAN , 1979												
30...	--	2.7	--	2.7	12	.04	--	.02	--	--	--	--
MAR												
21...	--	1.0	--	1.0	4.5	.03	--	.02	--	--	--	--
MAY												
23...	--	1.4	--	1.4	6.4	--	--	.04	--	--	--	41
JUL												
09...	--	.88	--	.89	3.9	.03	--	.01	--	--	--	--
SEP												
19...	--	1.1	--	1.1	5.0	.11	--	.08	--	--	--	38

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979												
22...	--	2.6	--	2.6	12	.05	--	.03	--	--	--	2.2
MAY												
09...	--	3.0	--	3.0	13	.05	--	.05	--	--	--	32

SURFACE WATER QUALITY RECORDS
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NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00630)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00610)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N04) (71846)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00605)
02312690 - CHITTY CHATY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)												
FEB , 1979												
21...	.18	--	--	.01	--	--	.19	--	.02	--	--	2.4
MAY												
09...	.13	--	--	.02	--	--	.15	--	.10	--	--	1.5
02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)												
FEB , 1979												
21...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.0
MAY												
09...	.00	--	--	.00	--	--	.00	--	.02	--	--	1.0
02312700 - OUTLET RIVER AT PANACOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)												
OCT , 1978												
30...	.01	--	--	.00	--	--	.01	--	.03	--	--	.40
NOV												
30...	.00	--	--	.00	--	--	.00	--	.03	--	--	.43
JAN , 1979												
18...	.01	--	--	.00	--	--	.01	--	.02	--	--	.47
FEB												
07...	.02	--	--	.00	--	--	.02	--	.02	--	--	.38
MAR												
13...	.00	--	--	.00	--	--	.00	--	.01	--	--	.39
APR												
12...	.01	--	--	.00	--	--	.01	--	.04	--	--	.80
MAY												
15...	.00	--	--	.01	--	--	.01	--	.02	--	--	.68
JUN												
27...	.01	--	--	.00	--	--	.01	--	.02	--	--	.86
JUL												
27...	.00	--	--	.01	--	--	.01	--	.02	--	--	.72
AUG												
21...	.00	--	--	.00	--	--	.00	--	.02	--	--	.56
SEP												
27...	.01	--	--	.00	--	--	.01	--	.02	--	--	.58
02313000 - WITHLACOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)												
OCT , 1978												
27...	.13	--	--	.01	--	--	.14	--	.01	--	--	.31
NOV												
28...	.07	--	--	.02	--	--	.09	--	.03	--	--	.19
DEC												
27...	.09	--	--	.00	--	--	--	--	.01	--	--	.07
JAN , 1979												
23...	.09	--	--	.01	--	--	.10	--	.02	--	--	.46
FEB												
28...	.10	--	--	.00	--	--	.10	--	.02	--	--	.40
MAR												
30...	.04	--	--	.01	--	--	.05	--	.01	--	--	1.0
APR												
11...	.10	--	--	.01	--	--	.11	--	.02	--	--	.81
MAY												
16...	.03	--	--	.01	--	--	.04	--	.03	--	--	.40
JUN												
26...	.07	--	--	.00	--	--	.07	--	.02	--	--	.56
JUL												
26...	.10	--	--	.00	--	--	.10	--	.01	--	--	.72
AUG												
22...	.13	--	--	.01	--	--	.14	--	.01	--	--	1.3
SEP												
12...	.06	--	--	.01	--	--	.07	--	.01	--	--	1.3

SURFACE WATER QUALITY RECORDS
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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02312690 - CHITTY CHATTY CREEK NR WILDWOOD, FLA. (LAT 28 48 40 LONG 081 58 50)

FEB , 1979												
21...	--	2.4	--	2.6	12	.04	--	.04	--	--	--	2.8
MAY												
09...	--	1.6	--	1.7	7.7	.09	--	.06	--	--	--	--

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979												
21...	--	1.0	--	1.0	4.6	.03	--	.01	--	--	--	17
MAY												
09...	--	1.0	--	1.0	4.5	.02	--	.01	--	--	--	20

02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978												
30...	--	.43	--	.44	1.9	.02	--	.00	--	--	--	13
NOV												
30...	--	.46	--	.46	2.0	.02	--	.00	--	--	--	6.2
JAN , 1979												
18...	--	.49	--	.50	2.2	.02	--	.00	--	--	--	6.1
FEB												
07...	--	.40	--	.42	1.9	.02	--	.01	--	--	--	5.7
MAR												
13...	--	.40	--	.40	1.8	.05	--	.01	--	--	--	16
APR												
12...	--	.84	--	.85	3.8	.02	--	.01	--	--	--	9.6
MAY												
15...	--	.70	--	.71	3.1	.03	--	.01	--	--	--	15
JUN												
27...	--	.88	--	.89	3.9	.06	--	.01	--	--	--	8.1
JUL												
27...	--	.74	--	.75	3.3	.03	--	.01	--	--	--	11
AUG												
21...	--	.58	--	.58	2.6	.01	--	.01	--	--	--	10
SEP												
27...	--	.60	--	.61	2.7	.03	--	.01	--	--	--	7.4

02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978												
27...	--	.32	.27	.46	2.0	.02	.02	.02	--	--	38	9.0
NOV												
28...	--	.22	.14	.31	1.4	.02	.02	.01	--	--	--	--
DEC												
27...	--	--	.06	--	--	.01	.01	.01	--	--	--	3.5
JAN , 1979												
23...	--	.48	.36	.58	2.6	.02	.01	.01	--	--	--	6.9
FEB												
28...	--	.42	.40	.52	2.3	.02	.02	.01	--	--	--	--
MAR												
30...	--	1.0	1.0	1.0	4.7	.03	.03	.02	--	--	--	27
APR												
11...	--	.83	.80	.94	4.2	.04	.03	.03	--	--	--	21
MAY												
16...	--	.43	.43	.47	2.1	.04	.04	.02	--	--	--	--
JUN												
26...	--	.58	.59	.65	2.9	.04	.03	.02	--	--	--	15
JUL												
26...	--	.73	.95	.83	3.7	.04	.03	.03	--	--	--	7.1
AUG												
22...	--	1.3	.65	1.4	6.4	.05	.05	.05	--	--	--	18
SEP												
12...	--	1.3	1.2	1.3	6.1	.07	.07	.06	--	--	--	38

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DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)												
MAY , 1979												
17...	.21	--	--	.00	--	--	.21	--	.02	--	--	.02
SEP												
11...	.19	--	--	.00	--	--	.19	--	.00	--	--	.15
02313250 - WITHLACOOCHIEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)												
NOV , 1978												
21...	.07	--	--	.01	--	--	.08	--	.03	--	--	.27
JAN , 1979												
22...	.15	--	--	.01	--	--	.16	--	.06	--	--	.13
MAR												
14...	.10	--	--	.01	--	--	.11	--	.05	--	--	.54
MAY												
16...	.02	--	--	.01	--	--	.03	--	.06	--	--	.48
JUL												
25...	.04	--	--	.00	--	--	.04	--	.05	--	--	.62
SEP												
10...	.13	--	--	.01	--	--	.14	--	.08	--	--	.77
265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)												
JAN , 1979												
31...	.05	--	--	.01	--	--	.06	--	.06	--	--	.90
272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)												
JAN , 1979												
29...	.28	--	--	.02	--	--	.30	--	--	--	--	--
275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)												
APR , 1979												
11...	.01	--	--	.00	--	--	.01	--	.02	--	--	1.3
275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)												
MAR , 1979												
28...	.00	--	--	.01	--	--	.01	--	.01	--	--	1.6
JUN												
05...	.00	--	--	.01	--	--	.01	--	.01	--	--	1.3
05...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.3
JUL												
16...	.00	--	--	.01	--	--	.01	--	.03	--	--	1.4
AUG												
15...	.06	--	--	.02	--	--	.08	--	8.6	--	--	9.4
30...	.00	--	--	.01	--	--	.01	--	9.2	--	--	14
SEP												
08...	.00	--	--	.03	--	--	.03	--	16	--	--	32
23...	.04	--	--	.01	--	--	.05	--	.55	--	--	13
275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)												
APR , 1979												
05...	.01	--	--	.00	--	--	.01	--	.00	--	--	.12
JUN												
05...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.2
JUL												
16...	.00	--	--	.01	--	--	.01	--	.04	--	--	1.2
20...	.05	--	--	.04	--	--	.09	--	21	--	--	19

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NUTRIENTS

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979												
17...	--	.04	--	.25	1.1	.03	--	.03	--	--	--	.0
SEP												
11...	--	.15	--	.34	1.5	.03	--	.03	--	--	--	11

02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

NOV , 1978												
21...	--	.30	--	.38	1.7	.04	--	.02	--	--	--	--
JAN , 1979												
22...	--	.19	--	.35	1.5	.04	--	.02	--	--	--	--
MAR												
14...	--	.59	--	.70	3.1	.05	--	.02	--	--	--	--
MAY												
16...	--	.54	--	.57	2.5	.04	--	.02	--	--	--	17
JUL												
25...	--	.67	--	.71	3.1	.05	--	.01	--	--	--	--
SEP												
10...	--	.85	--	.99	4.4	.07	--	.04	--	--	--	15

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979												
31...	--	.96	--	1.0	4.5	.20	--	.11	--	--	--	--

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979												
29...	--	--	--	--	--	--	--	--	--	--	--	--

275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)

APR , 1979												
11...	--	1.3	--	1.3	5.9	.01	--	.01	--	--	--	--

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

MAR , 1979												
28...	--	1.6	--	1.6	7.2	.03	--	.01	--	--	--	--
JUN												
05...	--	1.3	--	1.3	5.8	.02	--	.01	--	--	--	--
05...	--	1.3	--	1.3	5.9	.02	--	.01	--	--	--	--
JUL												
16...	--	1.4	--	1.4	6.4	.02	--	.00	--	--	--	--
AUG												
15...	--	18	--	18	80	.95	--	.59	--	--	--	--
30...	--	23	--	23	105	.91	--	.73	--	--	--	--
SEP												
08...	--	48	--	48	213	2.2	--	2.1	--	--	--	--
23...	--	13	--	13	60	1.3	--	.61	--	--	--	--

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

APR , 1979												
05...	--	.12	--	.13	.60	.02	--	.01	--	--	--	--
JUN												
05...	--	1.2	--	1.2	5.4	.02	--	.01	--	--	--	--
JUL												
16...	--	1.2	--	1.2	5.5	.02	--	.01	--	--	--	--
20...	--	40	--	40	177	5.0	--	2.8	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)												
JAN , 1979												
23...	.01	--	--	.00	--	--	--	--	.01	--	--	.85
APR												
05...	.01	--	--	.00	--	--	.01	--	.02	--	--	.10
SEP												
27...	.00	--	--	.01	--	--	.01	--	.00	--	--	.88
275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)												
OCT , 1978												
27...	.00	--	--	.01	--	--	.01	--	.01	--	--	1.3
MAY , 1979												
23...	.10	--	--	.01	--	--	.11	--	.28	--	--	1.5
275853082283300 - HILLSBOROUGH RIVER AT BUFFALO AVENUE NR TAMPA (LAT 27 58 53 LONG 082 28 33)												
AUG , 1979												
07...	.04	--	--	.03	--	--	.07	--	.24	--	--	.63
275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)												
OCT , 1978												
27...	.00	--	--	.01	--	--	.01	--	.00	--	--	.53
MAY , 1979												
23...	.15	--	--	.02	--	--	.17	--	.06	--	--	1.2
280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)												
OCT , 1978												
30...	.02	--	--	.01	--	--	.03	--	.05	--	--	.73
MAY , 1979												
25...	.34	--	--	.07	--	--	.41	--	.40	--	--	1.8
280033082245300 - HILLSBOROUGH R AT 40TH ST BRIDGE NR TAMPA, FL (LAT 28 00 33 LONG 082 24 53)												
DEC , 1978												
12...	--	.16	.70	--	.01	.03	--	.17	--	.02	.03	--
12...	--	.16	.70	--	.01	.03	--	.17	--	.02	.03	--
12...	--	.17	.80	--	.01	.03	--	.18	--	.01	.01	--
13...	--	.16	.70	--	.01	.03	--	.17	--	.01	.01	--
280038082275400 - HILLSBOROUGH RIVER AT SLIGH AVE AT TAMPA,FLA (LAT 28 00 38 LONG 082 27 54)												
AUG , 1979												
07...	.26	--	--	.01	--	--	.27	--	.09	--	--	.74
280048082262900 - HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA,FLA (LAT 28 00 48 LONG 082 26 29)												
AUG , 1979												
07...	.09	--	--	.01	--	--	.10	--	.07	--	--	.78
280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)												
JAN , 1979												
30...	.08	--	--	.01	--	--	.09	--	.03	--	--	1.2

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

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DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)

JAN , 1979												
23...	--	.86	--	.87	--	.01	--	.00	--	--	--	--
APR												
05...	--	.12	--	.13	.60	.02	--	.01	--	--	--	--
SEP												
27...	--	.88	--	.89	3.9	.02	--	.01	--	--	--	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978												
27...	--	1.3	--	1.3	5.8	1.3	--	1.2	--	--	--	8.8
MAY , 1979												
23...	--	1.7	--	1.8	8.4	1.0	--	1.0	--	--	--	23

275853082283300 - HILLSBOROUGH RIVER AT BUFFALO AVENUE NR TAMPA (LAT 27 58 53 LONG 082 28 33)

AUG , 1979												
07...	--	.87	--	.94	4.2	.49	--	.31	--	--	--	--

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978												
27...	--	.53	--	.54	2.4	.20	--	.17	--	--	--	7.5
MAY , 1979												
23...	--	1.2	--	1.4	6.3	.44	--	.40	--	--	--	27

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978												
30...	--	.78	--	.81	3.6	.35	--	.24	--	--	--	9.6
MAY , 1979												
25...	--	2.2	--	2.6	12	.88	--	.68	--	--	--	26

280033082245300 - HILLSBOROUGH R AT 40TH ST BRIDGE NR TAMPA, FL (LAT 28 00 33 LONG 082 24 53)

DEC , 1978												
12...	.36	--	.38	--	--	--	--	--	.16	.49	--	4.3
12...	.21	--	.23	--	--	--	--	--	.16	.49	--	4.0
12...	.33	--	.34	--	--	--	--	--	.16	.49	--	20
13...	.32	--	.33	--	--	--	--	--	.15	.46	--	8.4

280038082275400 - HILLSBOROUGH RIVER AT SLIGH AVE AT TAMPA,FLA (LAT 28 00 38 LONG 082 27 54)

AUG , 1979												
07...	--	.83	--	1.1	4.9	.41	--	.37	--	--	--	--

280048082262900 - HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA,FLA (LAT 28 00 48 LONG 082 26 29)

AUG , 1979												
07...	--	.85	--	.95	4.2	.54	--	.48	--	--	--	--

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979												
30...	--	1.2	--	1.3	5.8	.30	--	.29	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N3) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N3) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N2) (71856)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978												
30...	.00	--	--	.01	--	--	.01	--	.02	--	--	.58
MAY , 1979												
24...	.01	--	--	.02	--	--	.03	--	.03	--	--	1.2

280111082270400 - HILLSBOROUGH RIVER AT NEBRASKA AVENUE NR TAMPA (LAT 28 01 11 LONG 082 27 04)

AUG , 1979												
07...	.09	--	--	.01	--	--	.10	--	.07	--	--	1.1

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978												
30...	.19	--	--	.01	--	--	.20	--	.23	--	--	.39
MAY , 1979												
25...	.60	--	--	.03	--	--	.63	--	.10	--	--	.86

280229082343400 - ROCKY CREEK LF SW POND (LAT 28 02 29 LONG 082 34 34)

NOV , 1978												
07...	--	.03	.10	--	.06	.20	--	.09	--	.44	.57	--

280409082223900 - HILLSBOROUGH RIVER AT FLETCHER AV NR TAMPA (LAT 28 04 09 LONG 082 22 39)

DEC , 1978												
12...	--	.67	3.0	--	.01	.03	--	.68	--	.04	.05	--
12...	--	.66	2.9	--	.01	.03	--	.67	--	.03	.04	--
12...	--	.69	3.1	--	.01	.03	--	.70	--	.03	.04	--
13...	--	.70	3.1	--	.01	.03	--	.71	--	.03	.04	--

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978												
26...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.2
MAY , 1979												
25...	.13	--	--	.02	--	--	.15	--	.04	--	--	1.2

280455082170100 - HILLSBOROUGH R. AT CONFLUENCE WITH FLINT CREEK (LAT 28 04 55 LONG 082 17 01)

DEC , 1978												
12...	--	1.0	4.4	--	.00	.00	--	1.0	--	.02	.03	--
12...	--	1.0	4.4	--	.00	.00	--	1.0	--	.02	.03	--
12...	--	.13	.60	--	.01	.03	--	.14	--	.06	.08	--
13...	--	.26	1.2	--	.01	.03	--	.27	--	.05	.06	--

280458082170700 - HILLSBOROUGH R AB CONFLUENCE WITH FLINT CREEK (LAT 28 04 58 LONG 082 17 07)

DEC , 1978												
12...	--	.19	.80	--	.01	.03	--	.20	--	.07	.09	--
12...	--	.37	1.6	--	.01	.03	--	.38	--	.05	.06	--

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978												
30...	.91	--	--	.01	--	--	.92	--	.04	--	--	.31
MAY , 1979												
25...	.21	--	--	.01	--	--	.22	--	.02	--	--	.78

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

469

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
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280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978											
30...	--	.60	--	.61	2.7	.25	--	.19	--	--	11
MAY , 1979											
24...	--	1.2	--	1.2	5.6	.41	--	.40	--	--	26

280111082270400 - HILLSBOROUGH RIVER AT NEBRASKA AVENUE NR TAMPA (LAT 28 01 11 LONG 082 27 04)

AUG , 1979											
07...	--	1.1	--	1.2	5.6	.57	--	.47	--	--	--

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978											
30...	--	.62	--	.82	3.6	.19	--	.13	--	--	3.5
MAY , 1979											
25...	--	.96	--	1.5	7.0	.34	--	.27	--	--	13

280229082343400 - ROCKY CREEK LF SW POND (LAT 28 02 29 LONG 082 34 34)

NOV , 1978											
07...	9.6	--	53	--	--	--	.02	--	.00	.00	--

280409082223900 - HILLSBOROUGH RIVER AT FLETCHER AV NR TAMPA (LAT 28 04 09 LONG 082 22 39)

DEC , 1978											
12...	.37	--	.41	--	--	--	--	--	.30	.92	4.4
12...	.28	--	.31	--	--	--	--	--	.31	.95	3.2
12...	.41	--	.44	--	--	--	--	--	.31	.95	5.8
13...	.42	--	.45	--	--	--	--	--	.33	1.0	5.6

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978											
26...	--	1.2	--	1.2	5.4	.24	--	.16	--	--	21
MAY , 1979											
25...	--	1.2	--	1.3	6.2	.41	--	.39	--	--	20

280455082170100 - HILLSBOROUGH R. AT CONFLUENCE WITH FLINT CREEK (LAT 28 04 55 LONG 082 17 01)

DEC , 1978											
12...	.32	--	.34	--	--	--	--	--	.39	1.2	9.0
12...	.26	--	.28	--	--	--	--	--	.37	1.1	3.1
12...	.78	--	.84	--	--	--	--	--	.46	1.4	19
13...	.81	--	.86	--	--	--	--	--	.48	1.5	11

280458082170700 - HILLSBOROUGH R AB CONFLUENCE WITH FLINT CREEK (LAT 28 04 58 LONG 082 17 07)

DEC , 1978											
12...	.69	--	.76	--	--	--	--	--	.54	1.7	18
12...	.67	--	.72	--	--	--	--	--	.49	1.5	10

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978											
30...	--	.35	--	1.2	5.6	.27	--	.25	--	--	9.6
MAY , 1979											
25...	--	.80	--	1.0	4.5	.47	--	.47	--	--	17

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
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280742082155200 - HILLSBOROUGH R AT BOY SCOUT CAMP NR THONOTOSASSA (LAT 28 07 42 LONG 082 15 52)

DEC , 1978

12...	--	1.1	4.9	--	.00	.00	--	1.1	--	.02	.03	--
12...	--	1.1	4.9	--	.00	.00	--	1.1	--	.02	.03	--

280902082125700 - HILLSB.R AT CONFLNC WITH BLKWTR CR NR ZHILLS,FLA (LAT 28 09 02 LONG 082 12 57)

DEC , 1978

12...	--	1.4	6.2	--	.01	.03	--	1.4	--	.03	.04	--
12...	--	1.3	5.8	--	.01	.03	--	1.3	--	.02	.03	--
12...	--	1.4	6.2	--	.01	.03	--	1.4	--	.02	.03	--
13...	--	1.4	6.2	--	.01	.03	--	1.4	--	.03	.04	--

280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)

DEC , 1978

12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--
12...	--	1.3	5.8	--	.00	.00	--	1.3	--	.02	.03	--
12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--
13...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--

281017082114100 - HILLS. R AT CONFLNC WITH BIG DITCH NR ZHILLS,FLA (LAT 28 01 07 LONG 082 11 41)

DEC , 1978

12...	--	1.7	7.5	--	.03	.10	--	1.7	--	.05	.06	--
12...	--	1.8	8.0	--	.03	.10	--	1.8	--	.04	.05	--
12...	--	1.8	8.0	--	.02	.07	--	1.8	--	.02	.03	--
13...	--	1.8	8.0	--	.02	.07	--	1.8	--	.03	.04	--

281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)

DEC , 1978

12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.03	.04	--
12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.02	.03	--
12...	--	1.4	6.2	--	.00	.00	--	1.4	--	.01	.01	--
13...	--	1.5	6.6	--	.00	.00	--	1.5	--	.01	.01	--

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978

30...	.01	--	--	.00	--	--	.01	--	.01	--	--	.49
NOV												
30...	.01	--	--	.02	--	--	.03	--	.02	--	--	.24
JAN , 1979												
18...	.04	--	--	.00	--	--	.04	--	.02	--	--	.00
FEB												
07...	.02	--	--	.01	--	--	.03	--	.02	--	--	.44
MAR												
13...	.00	--	--	.01	--	--	.01	--	.02	--	--	.70
APR												
12...	.06	--	--	.00	--	--	.06	--	.02	--	--	.36
MAY												
15...	.01	--	--	.01	--	--	.02	--	.03	--	--	.92
JUN												
27...	.09	--	--	.00	--	--	.09	--	.02	--	--	.51
JUL												
27...	.09	--	--	.01	--	--	.10	--	.03	--	--	1.0
AUG												
21...	.08	--	--	.00	--	--	.08	--	.02	--	--	.50
SEP												
27...	.01	--	--	.01	--	--	.02	--	.01	--	--	.89

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

471

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

280742082155200 - HILLSBOROUGH R AT BOY SCOUT CAMP NR THONOTOSASSA (LAT 28 07 42 LONG 082 15 52)

DEC , 1978

12...	.30	--	.32	--	--	--	--	--	.37	1.1	--	2.4
12...	.35	--	.37	--	--	--	--	--	.37	1.1	--	2.6

280902082125700 - HILLSB.R AT CONFLNC WITH BLKWTR CR NR ZHILLS,FLA (LAT 28 09 02 LONG 082 12 57)

DEC , 1978

12...	.46	--	.49	--	--	--	--	--	1.2	3.7	--	3.7
12...	.56	--	.58	--	--	--	--	--	1.2	3.7	--	2.9
12...	.57	--	.59	--	--	--	--	--	1.1	3.4	--	7.0
13...	.41	--	.44	--	--	--	--	--	1.3	4.0	--	3.5

280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)

DEC , 1978

12...	.27	--	.28	--	--	--	--	--	.14	.43	--	1.7
12...	.22	--	.24	--	--	--	--	--	.14	.43	--	12
12...	.21	--	.22	--	--	--	--	--	.15	.46	--	4.7
13...	.35	--	.36	--	--	--	--	--	.14	.43	--	4.5

281017082114100 - HILLS. R AT CONFLNC WITH BIG DITCH NR ZHILLS,FLA (LAT 28 01 07 LONG 082 11 41)

DEC , 1978

12...	.53	--	.58	--	--	--	--	--	2.4	7.4	--	13
12...	.68	--	.72	--	--	--	--	--	2.5	7.7	--	10
12...	.54	--	.56	--	--	--	--	--	2.5	7.7	--	13
13...	.53	--	.56	--	--	--	--	--	2.4	7.4	--	7.6

281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)

DEC , 1978

12...	.21	--	.24	--	--	--	--	--	.04	.12	--	3.2
12...	.26	--	.28	--	--	--	--	--	.04	.12	--	1.0
12...	.38	--	.39	--	--	--	--	--	.03	.09	--	5.7
13...	.25	--	.26	--	--	--	--	--	.04	.12	--	.0

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978

30...	--	.50	--	.51	2.3	.05	--	.03	--	--	--	6.4
NOV												
30...	--	.26	--	.29	1.3	.05	--	.03	--	--	--	4.4
JAN , 1979												
18...	--	.00	--	.00	.20	.03	--	.03	--	--	--	4.2
FEB												
07...	--	.46	--	.49	2.2	.04	--	.03	--	--	--	11
MAR												
13...	--	.72	--	.73	3.2	.03	--	.02	--	--	--	16
APR												
12...	--	.38	--	.44	1.9	.06	--	.06	--	--	--	19
MAY												
15...	--	.95	--	.97	4.3	.12	--	.09	--	--	--	22
JUN												
27...	--	.53	--	.62	2.7	.07	--	.04	--	--	--	6.2
JUL												
27...	--	1.0	--	1.1	5.0	.08	--	.05	--	--	--	9.5
AUG												
21...	--	.52	--	.60	2.7	.05	--	.05	--	--	--	10
SEP												
27...	--	.90	--	.92	4.1	.05	--	.04	--	--	--	17

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN. NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN. NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN. NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN. NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN. NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN. NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN. N02+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN. N02+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN. AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN. AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN. ORGANIC TOTAL (MG/L AS N) (00605)
------	---	--	--	---	--	--	---	--	---	--	--	---

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978												
30...	.00	--	--	.00	--	--	.00	--	.00	--	--	.58
NOV												
30...	.00	--	--	.01	--	--	.01	--	.04	--	--	.46
JAN , 1979												
18...	.02	--	--	.00	--	--	.02	--	.01	--	--	.49
FEB												
07...	.01	--	--	.00	--	--	.01	--	.01	--	--	.43
MAR												
13...	.01	--	--	.00	--	--	.01	--	.02	--	--	.62
APR												
12...	.01	--	--	.00	--	--	.01	--	.02	--	--	.57
MAY												
15...	.00	--	--	.01	--	--	.01	--	.00	--	--	.63
JUN												
27...	.01	--	--	.00	--	--	.01	--	.01	--	--	.13
JUL												
27...	.00	--	--	.01	--	--	.01	--	.02	--	--	1.2
AUG												
21...	.00	--	--	.00	--	--	.00	--	.01	--	--	.59
SEP												
27...	.01	--	--	.00	--	--	.01	--	.00	--	--	.52

284828082003101 - INFLOW TO HOG EYE SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979												
21...	.00	--	--	.01	--	--	.01	--	.02	--	--	2.4

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

FEB , 1979												
21...	2.9	--	--	.02	--	--	2.9	--	.03	--	--	1.8
MAY												
09...	26	--	--	.12	--	--	26	--	.97	--	--	4.0

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978												
30...	.89	--	--	.00	--	--	.89	--	.00	--	--	.12
NOV												
30...	.87	--	--	.02	--	--	.89	--	.00	--	--	.08
JAN , 1979												
18...	.93	--	--	.01	--	--	.94	--	.01	--	--	.43
FEB												
07...	.72	--	--	.00	--	--	.72	--	.02	--	--	.15
MAR												
13...	.64	--	--	.00	--	--	.64	--	.02	--	--	.30
APR												
12...	.85	--	--	.00	--	--	.85	--	.03	--	--	.37
MAY												
15...	.14	--	--	.02	--	--	.16	--	.16	--	--	.32
JUN												
27...	.75	--	--	.01	--	--	.76	--	.01	--	--	.82
JUL												
27...	.84	--	--	.00	--	--	.84	--	.02	--	--	.40
AUG												
21...	.89	--	--	.00	--	--	.89	--	.01	--	--	.06
SEP												
27...	.26	--	--	.01	--	--	.27	--	.02	--	--	1.5

284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979												
22...	2.9	--	--	.11	--	--	3.0	--	.78	--	--	1.8

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

473

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978												
30...	--	.58	--	.58	2.6	.02	--	.00	--	--	--	6.8
NOV												
30...	--	.50	--	.51	2.3	.02	--	.01	--	--	--	5.8
JAN , 1979												
18...	--	.50	--	.52	2.3	.01	--	.00	--	--	--	5.3
FEB												
07...	--	.44	--	.45	2.0	.02	--	.01	--	--	--	5.6
MAR												
13...	--	.64	--	.65	2.9	.02	--	.01	--	--	--	8.0
APR												
12...	--	.59	--	.60	2.7	.02	--	.01	--	--	--	9.5
MAY												
15...	--	.63	--	.64	2.8	.02	--	.01	--	--	--	11
JUN												
27...	--	.14	--	.15	.70	.02	--	.01	--	--	--	20
JUL												
27...	--	1.2	--	1.2	5.4	.02	--	.01	--	--	--	8.5
AUG												
21...	--	.60	--	.60	2.7	.01	--	.01	--	--	--	18
SEP												
27...	--	.52	--	.53	2.3	.02	--	.01	--	--	--	6.4

284828082003101 - INFLOW TO HOGEYE SINK NR WILDWOOD FL (LAT 28 48 28 LONG 082 00 31.01)

FEB , 1979												
21...	--	2.4	--	2.4	11	.03	--	.01	--	--	--	5.2

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

FEB , 1979												
21...	--	1.8	--	4.7	21	.09	--	.09	--	--	--	12
MAY												
09...	--	4.9	--	31	138	1.2	--	1.2	--	--	--	--

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978												
30...	--	.12	--	1.0	4.5	.05	--	.04	--	--	--	1.3
NOV												
30...	--	.08	--	.97	4.3	.05	--	.04	--	--	--	.0
JAN , 1979												
18...	--	.44	--	1.3	6.1	.04	--	.04	--	--	--	4.4
FEB												
07...	--	.17	--	.89	3.9	.05	--	.04	--	--	--	3.9
MAR												
13...	--	.32	--	.96	4.2	.04	--	.03	--	--	--	20
APR												
12...	--	.40	--	1.2	5.5	.06	--	.05	--	--	--	6.5
MAY												
15...	--	.48	--	.64	2.8	.13	--	.12	--	--	--	26
JUN												
27...	--	.83	--	1.5	7.0	.04	--	.04	--	--	--	3.0
JUL												
27...	--	.42	--	1.2	5.6	.06	--	.04	--	--	--	6.6
AUG												
21...	--	.07	--	.96	4.2	.04	--	.04	--	--	--	6.0
SEP												
27...	--	1.5	--	1.7	7.9	.09	--	.07	--	--	--	41

284956081574701 - MUCK FARM DRAINAGE CA BL PUMP STA NR ORANGE HOME (LAT 28 49 56 LONG 081 57 47.01)

FEB , 1979												
22...	--	2.5	--	5.5	25	.27	--	.02	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03) (71851)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02) (71856)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, N02+N03 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
------	---	--	--	---	--	--	---	--	---	--	--	---

285030081571401 - MUCK FARM DRAINAGE CA AT RD COLVERT NR ORA HOMES (LAT 28 50 30 LONG 081 57 14.01)

FEB , 1979												
22...	3.7	--	--	.12	--	--	3.8	--	.40	--	--	2.3

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978												
30...	.91	--	--	.00	--	--	.91	--	.00	--	--	.24
DEC												
01...	.78	--	--	.02	--	--	.80	--	.01	--	--	.25
JAN , 1979												
18...	.93	--	--	.01	--	--	.94	--	.01	--	--	.19
FEB												
07...	.77	--	--	.00	--	--	.77	--	.01	--	--	.11
MAR												
13...	.69	--	--	.01	--	--	.70	--	.02	--	--	.21
APR												
12...	.88	--	--	.01	--	--	.89	--	.02	--	--	.28
MAY												
15...	.22	--	--	.01	--	--	.23	--	.15	--	--	1.3
JUN												
27...	.79	--	--	.01	--	--	.80	--	.05	--	--	.10
JUL												
27...	.88	--	--	.01	--	--	.89	--	.01	--	--	.23
AUG												
21...	.84	--	--	.00	--	--	.84	--	.01	--	--	.07
SEP												
27...	.28	--	--	.01	--	--	.29	--	.02	--	--	1.7

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978												
30...	1.1	--	--	.00	--	--	1.1	--	.00	--	--	.04
DEC												
01...	1.1	--	--	.02	--	--	1.1	--	.01	--	--	.09
JAN , 1979												
18...	1.3	--	--	.01	--	--	1.3	--	.02	--	--	.20
FEB												
07...	.95	--	--	.00	--	--	.95	--	.01	--	--	.07
MAR												
13...	.90	--	--	.00	--	--	.90	--	.02	--	--	.06
APR												
12...	1.2	--	--	.00	--	--	1.2	--	.01	--	--	.21
MAY												
15...	1.1	--	--	.01	--	--	1.1	--	.02	--	--	.26
JUN												
27...	.96	--	--	.01	--	--	.97	--	.05	--	--	.11
JUL												
27...	1.2	--	--	.01	--	--	1.2	--	.01	--	--	.17
AUG												
21...	1.1	--	--	.00	--	--	1.1	--	.01	--	--	.09

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
NUTRIENTS

475

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN, TOTAL (MG/L AS N03) (71887)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P) (70507)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04) (00660)	CARBON, TOTAL (MG/L AS C) (00690)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
------	--	---	--	--	--	--	---	--	---	--	---	--

285030081571401 - MUCK FARM DRAINAGE CA AT RD COLVERT NR ORA HOMES (LAT 28 50 30 LONG 081 57 14.01)

FEB , 1979												
22...	--	2.7	--	6.5	29	.20	--	.16	--	--	--	--

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978												
30...	--	.24	--	1.1	5.1	.05	--	.04	--	--	--	1.0
DEC 01...	--	.26	--	1.0	4.7	.06	--	.05	--	--	--	2.5
JAN , 1979												
18...	--	.20	--	1.1	5.0	.04	--	.04	--	--	--	5.8
FEB 07...	--	.12	--	.89	3.9	.05	--	.04	--	--	--	12
MAR 13...	--	.23	--	.93	4.1	.03	--	.03	--	--	--	12
APR 12...	--	.30	--	1.1	5.3	.05	--	.05	--	--	--	2.2
MAY 15...	--	1.4	--	1.6	7.4	.14	--	.12	--	--	--	30
JUN 27...	--	.15	--	.95	4.2	.05	--	.04	--	--	--	1.3
JUL 27...	--	.24	--	1.1	5.0	.05	--	.04	--	--	--	7.5
AUG 21...	--	.08	--	.92	4.1	.04	--	.04	--	--	--	10
SEP 27...	--	1.7	--	2.0	8.9	.08	--	.08	--	--	--	33

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978												
30...	--	.04	--	1.1	5.0	.04	--	.04	--	--	--	2.6
DEC 01...	--	.10	--	1.2	5.4	.06	--	.04	--	--	--	2.4
JAN , 1979												
18...	--	.22	--	1.5	6.8	.04	--	.04	--	--	--	6.2
FEB 07...	--	.08	--	1.0	4.6	.07	--	.05	--	--	--	3.5
MAR 13...	--	.08	--	.98	4.3	.04	--	.04	--	--	--	6.8
APR 12...	--	.22	--	1.4	6.3	.08	--	.04	--	--	--	2.9
MAY 15...	--	.28	--	1.3	6.2	.06	--	.06	--	--	--	9.0
JUN 27...	--	.16	--	1.1	5.0	.05	--	.05	--	--	--	2.3
JUL 27...	--	.18	--	1.3	6.2	.05	--	.04	--	--	--	4.0
AUG 21...	--	.10	--	1.2	5.3	.05	--	.05	--	--	--	2.0

SURFACE WATER QUALITY RECORDS

Suspended Trace Metals

Data in this section include the following parameters:

Barium, suspended recoverable	Cadmium, suspended recoverable
Chromium, suspended recoverable	Cobalt, suspended recoverable
Copper, suspended recoverable	Iron, suspended recoverable
Lead, suspended recoverable	Manganese, suspended recoverable
Mercury, suspended recoverable	Selenium, suspended recoverable
Silver, suspended recoverable	Zinc, suspended recoverable

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
SUSPENDED TRACE METALS

DATE	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA) (01006)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD) (01026)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR) (01031)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO) (01036)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU) (01041)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE) (01044)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB) (01050)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN) (01054)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG) (71895)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE) (01146)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG) (01076)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN) (01091)
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)												
OCT , 1978												
03...	0	0	<9	0	4	750	--	40	.0	0	1	10
JAN , 1979												
03...	0	0	8	0	1	1800	0	10	.0	0	0	0
JUL												
02...	0	0	10	0	0	370	9	40	.0	0	0	20
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)												
OCT , 1978												
03...	0	1	<9	1	0	240	0	0	.0	0	0	0
JAN , 1979												
03...	0	1	8	0	1	60	--	10	.0	0	0	10
APR												
03...	0	0	20	2	0	80	4	0	--	0	0	0
JUN												
26...	0	0	0	0	3	90	2	10	.0	0	0	0
02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)												
OCT , 1978												
03...	0	1	<9	0	0	110	0	10	.0	0	0	0
JAN , 1979												
03...	0	0	8	0	1	520	--	20	.0	0	0	10
APR												
03...	0	0	10	1	2	40	15	0	--	0	0	20
JUN												
26...	0	0	0	0	3	170	2	10	.0	0	0	1
02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)												
OCT , 1978												
04...	0	9	10	2	0	10	0	0	.0	0	0	0
JAN , 1979												
03...	0	1	0	2	1	70	4	10	.0	0	0	0
MAR												
27...	0	0	<10	1	0	50	2	0	.0	0	0	0
JUN												
26...	0	5	0	0	2	70	1	0	.0	0	0	0
02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)												
NOV , 1978												
28...	0	0	<10	0	1	20	0	0	.0	0	0	20
FEB , 1979												
28...	0	2	9	2	0	80	42	20	.0	0	0	10
MAY												
16...	0	0	0	2	0	50	4	10	.0	0	0	0
AUG												
22...	0	0	10	2	2	120	0	0	.0	0	1	130

SURFACE WATER QUALITY RECORDS

Dissolved Trace Metals

Data in this section include the following parameters:

Barium, dissolved	Cadmium, dissolved
Chromium, dissolved	Cobalt, dissolved
Copper, dissolved	Manganese, dissolved
Mercury, dissolved	Selenium, dissolved
Silver, dissolved	Strontium, dissolved
Zinc, dissolved	

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
DISSOLVED TRACE METALS

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)											
OCT , 1978 30...	--	--	--	--	3	20	--	--	--	330	10
MAY , 1979 25...	--	--	--	--	6	20	--	--	--	110	20
02295637 - PEACE RIVER AT ZOLFO SPRINGS, FLA. (LAT 27 30 15 LONG 081 48 04)											
OCT , 1978 25...	--	--	--	--	--	--	--	--	--	1300	--
02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)											
OCT , 1978 24...	--	--	--	--	0	20	--	--	--	2400	0
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)											
OCT , 1978 03...	0	2	1	1	3	20	<.5	0	0	--	10
31...	--	--	--	--	2	0	--	--	--	1100	10
JAN , 1979 03...	0	1	2	1	2	10	<.5	0	0	--	40
JUL 02...	5	0	10	1	4	10	<.5	0	0	--	10
02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)											
OCT , 1978 25...	--	--	--	--	0	10	--	--	--	620	10
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)											
OCT , 1978 03...	0	1	1	0	3	20	<.5	0	1	--	20
31...	--	--	--	--	6	0	--	--	--	740	0
JAN , 1979 03...	0	3	2	0	1	0	<.5	0	0	--	10
APR 03...	0	0	10	0	8	10	.5	0	0	--	20
JUN 26...	10	0	10	0	2	30	<.5	0	0	--	20
02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)											
OCT , 1978 26...	--	--	--	--	0	0	--	--	--	120	10
02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)											
OCT , 1978 24...	--	--	--	--	1	0	--	--	--	620	10
02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)											
OCT , 1978 23...	--	--	--	--	0	20	--	--	--	350	10

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
DISSOLVED TRACE METALS

481

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
------	---	---	--	---	---	---	---	--	---	---	---

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978 26...	--	--	--	--	0	0	--	--	--	110	0
---------------------	----	----	----	----	---	---	----	----	----	-----	---

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978 03...	0	1	1	0	1	10	<.5	0	1	--	10
31...	--	--	--	--	0	0	--	--	--	290	0
JAN , 1979 03...	0	0	2	0	1	30	<.5	0	0	--	10
APR 03...	0	2	10	0	1	10	.5	0	0	--	10
JUN 26...	3	0	10	0	1	20	<.5	0	0	--	9

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

OCT , 1978 23...	--	--	--	--	4	10	--	--	--	170	70
---------------------	----	----	----	----	---	----	----	----	----	-----	----

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978 04...	0	3	0	0	1	10	<.5	0	0	--	20
NOV 01...	--	--	--	--	1	0	--	--	--	360	0
JAN , 1979 03...	100	1	10	0	1	0	.2	0	0	--	10
MAR 27...	100	0	0	0	1	4	<.5	0	0	--	10
JUN 26...	6	2	<10	0	1	1	<.5	0	0	--	20

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979 07...	--	1	1	--	4	20	<.5	0	--	--	5
---------------------	----	---	---	----	---	----	-----	---	----	----	---

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978 23...	--	--	--	--	2	0	--	--	--	430	10
---------------------	----	----	----	----	---	---	----	----	----	-----	----

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

FEB , 1979 16...	--	--	--	--	2	30	--	--	--	50	0
---------------------	----	----	----	----	---	----	----	----	----	----	---

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

OCT , 1978 24...	--	--	--	--	1	20	--	--	--	100	30
---------------------	----	----	----	----	---	----	----	----	----	-----	----

02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA,FLA (LAT 28 03 15 LONG 082 21 50)

OCT , 1978 24...	--	--	--	--	1	0	--	--	--	460	20
---------------------	----	----	----	----	---	---	----	----	----	-----	----

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
DISSOLVED TRACE METALS

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
------	---	---	--	---	---	---	---	--	---	---	---

02306021 - ST. LOUIS STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 57 54 LONG 082 29 13.01)

JAN , 1979											
02...	--	--	--	--	3	--	<.5	--	--	--	0
02...	--	--	--	--	5	--	4.1	--	--	--	0
02...	--	--	--	--	4	--	5.8	--	--	--	20

02306071 - GANDY BOULEVARD DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 53 37 LONG 082 31 07)

JAN , 1979											
02...	--	--	--	--	8	--	<.5	--	--	--	50
02...	--	--	--	--	2	--	<.5	--	--	--	10
02...	--	--	--	--	2	--	<.5	--	--	--	20
02...	--	--	--	--	2	--	5.1	--	--	--	30

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

OCT , 1978											
26...	--	--	--	--	1	0	--	--	--	90	10

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978											
26...	--	--	--	--	1	20	--	--	--	100	20

02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978											
25...	--	--	--	--	2	20	--	--	--	280	30

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979											
24...	--	--	--	--	5	--	<.5	--	--	--	0
24...	--	--	--	--	3	--	<.5	--	--	--	10
24...	--	--	--	--	3	--	<.5	--	--	--	30
24...	--	--	--	--	16	--	<.5	--	--	--	30
24...	--	--	--	--	10	--	<.5	--	--	--	10

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979											
11...	--	--	--	--	2	--	3.4	--	--	--	30
11...	--	--	--	--	6	--	3.3	--	--	--	20
12...	--	--	--	--	1	--	2.7	--	--	--	30
12...	--	--	--	--	3	--	4.5	--	--	--	40
12...	--	--	--	--	1	--	2.8	--	--	--	40
12...	--	--	--	--	3	--	4.2	--	--	--	10

02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978											
24...	--	--	--	--	0	20	--	--	--	270	20

02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)

OCT , 1978											
25...	--	--	--	--	0	0	--	--	--	210	10

483

02310800 - WITHLACOOCHEE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

02311500 - WITHLACOOCHEE RIVER NR DADE CITY, FLA. (LAT 28 21 08 LONG 082 07 34)

02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
DISSOLVED TRACE METALS

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
270535082213701 - VENICE LANDFILL DOWNSTREAM (LAT 27 05 35 LONG 082 21 37.01)											
JAN , 1979 30...	--	0	4	--	1	--	--	--	--	--	--
270535082215101 - VENICE LANDFILL UPSTREAM (LAT 27 05 35 LONG 082 21 51.01)											
JAN , 1979 30...	--	3	3	--	0	--	--	--	--	--	--
272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)											
JAN , 1979 29...	--	--	--	--	--	--	--	--	--	690	--
275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)											
APR , 1979 11...	--	--	--	--	--	--	--	--	--	680	--
275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)											
MAR , 1979 28...	--	--	--	--	--	--	--	--	--	660	--
275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)											
APR , 1979 05...	--	--	--	--	--	--	--	--	--	800	--
280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)											
JAN , 1979 30...	--	--	--	--	--	--	--	--	--	320	--
284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)											
OCT , 1978 30...	--	--	--	--	--	--	--	--	--	230	--
NOV 30...	--	--	--	--	--	--	--	--	--	200	--
JAN , 1979 18...	--	--	--	--	--	--	--	--	--	240	--
MAR 13...	--	--	--	--	--	--	--	--	--	160	--
MAY 15...	--	--	--	--	--	--	--	--	--	150	--
SEP 27...	--	--	--	--	--	--	--	--	--	120	--

485

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

284921081574701 - DRAINAGE CANAL NR BAMBOO FL (LAT 28 49 21 LONG 081 57 47.01)

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

[illegible]

SURFACE WATER QUALITY RECORDS

Total Trace Metals

Data in this section include the following parameters:

Aluminum, total recoverable	Arsenic, total
Barium, total recoverable	Cadmium, total recoverable
Chromium, total recoverable	Cobalt, total recoverable
Copper, total recoverable	Iron, total recoverable

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)								
OCT , 1978								
30...	360	2	--	1	--	--	--	790
MAY , 1979								
25...	180	1	--	0	--	--	--	390
02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)								
OCT , 1978								
24...	130	1	--	1	--	--	--	490
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)								
OCT , 1978								
03...	--	1	0	1	<10	1	7	910
31...	70	1	--	1	--	--	--	130
JAN , 1979								
03...	--	1	0	1	10	1	3	1900
JUL								
02...	--	1	0	0	20	0	4	490
02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)								
OCT , 1978								
25...	130	1	--	0	--	--	--	580
02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)								
OCT , 1978								
03...	--	1	0	2	<10	1	1	610
31...	110	1	--	1	--	--	--	340
JAN , 1979								
03...	--	1	0	4	10	0	2	150
APR								
03...	--	1	0	0	30	2	5	310
JUN								
26...	--	1	0	0	<10	0	5	240
02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)								
OCT , 1978								
26...	100	0	--	0	--	--	--	250
02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)								
OCT , 1978								
24...	130	1	--	3	--	--	--	300
02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)								
OCT , 1978								
23...	90	4	--	2	--	--	--	290
02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)								
OCT , 1978								
26...	90	1	--	2	--	--	--	100

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

489

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

02294650 - PEACE RIVER AT BARTOW, FLA. (LAT 27 54 07 LONG 081 49 03)

OCT , 1978								
30...	7	30	<.5	6	--	--	--	--
MAY , 1979								
25...	0	30	<.5	0	--	--	--	--

02296500 - CHARLIE CREEK NR GARDNER, FLA. (LAT 27 22 29 LONG 081 47 48)

OCT , 1978								
24...	6	10	<.5	4	--	--	--	--

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978								
03...	--	60	<.5	--	0	1	--	20
31...	3	0	<.5	1	--	--	--	--
JAN , 1979								
03...	0	20	<.5	--	0	0	--	40
JUL								
02...	9	50	<.5	--	0	0	--	30

02297310 - HORSE CREEK NR ARCADIA, FLA. (LAT 27 11 57 LONG 081 59 19)

OCT , 1978								
25...	7	20	<.5	5	--	--	--	--

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978								
03...	1	20	<.5	--	0	1	--	10
31...	2	0	<.5	14	--	--	--	--
JAN , 1979								
03...	--	10	<.5	--	0	0	--	20
APR								
03...	5	10	--	--	0	0	--	10
JUN								
26...	2	40	<.5	--	0	0	--	10

02299950 - MANATEE RIVER NR MYAKKA HEAD, FLA. (LAT 27 28 24 LONG 082 12 41)

OCT , 1978								
26...	4	0	<.5	5	--	--	--	--

02300500 - LITTLE MANATEE RIVER NR WIMAUMA, FLA. (LAT 27 40 15 LONG 082 21 10)

OCT , 1978								
24...	11	0	<.5	4	--	--	--	--

02301000 - NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FLA. (LAT 27 53 01 LONG 082 06 01)

OCT , 1978								
23...	--	20	<.5	8	--	--	--	--

02301300 - SOUTH PRONG ALAFIA RIVER NR LITHIA, FLA. (LAT 27 47 47 LONG 082 07 04)

OCT , 1978								
26...	12	0	<.5	5	--	--	--	--

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978								
03...	--	2	0	2	<10	0	1	200
31...	70	2	--	1	--	--	--	130
JAN , 1979								
03...	--	3	0	0	10	0	2	700
APR								
03...	--	1	0	0	20	1	3	110
JUN								
26...	--	2	0	0	<10	0	4	210

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978								
27...	--	2	--	0	<10	1	2	10
MAY , 1979								
23...	--	1	--	0	20	1	2	580

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

OCT , 1978								
23...	80	2	--	1	--	--	--	120

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978								
04...	--	1	0	12	10	2	1	70
NOV								
01...	30	1	--	1	--	--	--	50
JAN , 1979								
03...	--	3	100	2	10	2	2	140
MAR								
27...	--	1	100	0	<10	1	1	230
JUN								
26...	--	5	0	7	10	0	3	70

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978								
26...	--	1	--	0	<10	1	2	300
MAY , 1979								
25...	--	2	--	0	20	1	7	500

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978								
26...	--	3	--	0	<10	0	2	60
MAY , 1979								
25...	--	2	--	0	20	0	2	150

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978								
23...	60	1	--	1	--	--	--	70

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

FEB , 1979								
16...	90	2	--	0	--	--	--	180

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

491

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978								
03...	5	20	<.5	--	0	1	--	0
31...	2	0	<.5	2	--	--	--	--
JAN , 1979								
03...	--	50	<.5	--	0	0	--	20
APR								
03...	17	10	--	--	0	0	--	30
JUN								
26...	2	30	<.5	--	0	0	--	10

02301802 - TAMPA BYPASS CANAL AT S-160,AT TAMPA,FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978								
27...	4	30	<.5	--	--	--	830	--
MAY , 1979								
23...	12	20	<.5	--	--	--	140	--

02302500 - BLACKWATER CREEK NR KNIGHTS, FLA. (LAT 28 08 25 LONG 082 09 00)

OCT , 1978								
23...	8	10	<.5	10	--	--	--	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978								
04...	78	10	<.5	--	0	0	--	20
NOV								
01...	1	0	<.5	4	--	--	--	--
JAN , 1979								
03...	6	10	.0	--	0	0	--	10
MAR								
27...	3	0	<.5	--	0	0	--	10
JUN								
26...	2	0	<.5	--	0	0	--	20

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978								
26...	3	10	<.5	--	--	--	150	--
MAY , 1979								
25...	10	50	<.5	--	--	--	80	--

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978								
26...	5	0	<.5	--	--	--	90	--
MAY , 1979								
25...	1	20	<.5	--	--	--	100	--

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

OCT , 1978								
23...	5	10	<.5	12	--	--	--	--

02303400 - CYPRESS CREEK NR SAN ANTONIO, FLA. (LAT 28 19 25 LONG 082 23 03)

FEB , 1979								
16...	0	20	.6	2	--	--	--	--

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

OCT , 1978 24...	70	1	--	1	--	--	--	790
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02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)

OCT , 1978 24...	60	1	--	0	--	--	--	60
---------------------	----	---	----	---	----	----	----	----

02306021 - ST. LOUIS STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 57 54 LONG 082 29 13.01)

JAN , 1979 02...	--	1	--	--	--	--	5	--
02...	--	1	--	--	--	--	8	--
02...	--	1	--	--	--	--	7	--
02...	--	1	--	--	--	--	9	--
02...	--	0	--	--	--	--	5	--
02...	--	1	--	--	--	--	9	--

02306071 - GANDY BOULEVARD DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 53 37 LONG 082 31 07)

JAN , 1979 02...	--	2	--	--	--	--	27	--
02...	--	1	--	--	--	--	9	--
02...	--	1	--	--	--	--	4	--
02...	--	1	--	--	--	--	3	--
02...	--	2	--	--	--	--	2	--
02...	--	3	--	--	--	--	5	--
02...	--	3	--	--	--	--	3	--

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

OCT , 1978 26...	100	2	--	1	--	--	--	10
---------------------	-----	---	----	---	----	----	----	----

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978 26...	230	1	--	0	--	--	--	430
---------------------	-----	---	----	---	----	----	----	-----

02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978 25...	80	1	--	1	--	--	--	180
---------------------	----	---	----	---	----	----	----	-----

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979 24...	--	1	--	--	--	--	15	--
24...	--	2	--	--	--	--	12	--
24...	--	3	--	--	--	--	28	--
24...	--	4	--	--	--	--	14	--
24...	--	2	--	--	--	--	12	--
24...	--	3	--	--	--	--	38	--
24...	--	4	--	--	--	--	20	--
24...	--	5	--	--	--	--	30	--
24...	--	3	--	--	--	--	18	--
24...	--	2	--	--	--	--	10	--
24...	--	3	--	--	--	--	18	--

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

493

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

OCT , 1978								
24...	12	180	<.5	10	--	--	--	--

02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA,FLA (LAT 28 03 15 LONG 082 21 50)

OCT , 1978								
24...	11	10	<.5	11	--	--	--	--

02306021 - ST. LOUIS STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 57 54 LONG 082 29 13.01)

JAN , 1979								
02...	110	--	4.0	--	--	--	--	80
02...	270	--	3.0	--	--	--	--	120
02...	200	--	4.2	--	--	--	--	110
02...	230	--	3.0	--	--	--	--	120
02...	130	--	6.0	--	--	--	--	70
02...	140	--	3.0	--	--	--	--	80

02306071 - GANDY BOULEVARD DRAINAGE DITCH AT TAMPA, FLA. (LAT 27 53 37 LONG 082 31 07)

JAN , 1979								
02...	590	--	<.5	--	--	--	--	300
02...	340	--	<.5	--	--	--	--	110
02...	130	--	<.5	--	--	--	--	70
02...	80	--	<.5	--	--	--	--	60
02...	65	--	<.5	--	--	--	--	60
02...	120	--	<.5	--	--	--	--	90
02...	44	--	5.1	--	--	--	--	50

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

OCT , 1978								
26...	8	10	<.5	4	--	--	--	--

02307000 - ROCKY CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 02 12 LONG 082 34 34)

OCT , 1978								
26...	9	30	<.5	5	--	--	--	--

02307479 - LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 05 35 LONG 082 43 20)

OCT , 1978								
25...	8	30	<.5	9	--	--	--	--

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979								
24...	200	--	<.5	--	--	--	--	110
24...	210	--	<.5	--	--	--	--	100
24...	190	--	<.5	--	--	--	--	120
24...	210	--	<.5	--	--	--	--	100
24...	200	--	<.5	--	--	--	--	110
24...	240	--	<.5	--	--	--	--	110
24...	270	--	<.5	--	--	--	--	120
24...	220	--	<.5	--	--	--	--	150
24...	200	--	<.5	--	--	--	--	140
24...	220	--	<.5	--	--	--	--	110
24...	200	--	<.5	--	--	--	--	110

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979

11...	--	2	--	--	--	--	3	--
11...	--	3	--	--	--	--	4	--
11...	--	2	--	--	--	--	3	--
12...	--	2	--	--	--	--	10	--
12...	--	2	--	--	--	--	3	--
12...	--	2	--	--	--	--	5	--
12...	--	2	--	--	--	--	5	--
12...	--	1	--	--	--	--	4	--
12...	--	1	--	--	--	--	6	--
12...	--	1	--	--	--	--	4	--
12...	--	1	--	--	--	--	2	--

02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978

24...	50	1	--	1	--	--	--	340
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02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)

OCT , 1978

25...	40	1	--	1	--	--	--	0
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02310800 - WITHLACOOCHIE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

JUN , 1979

11...	--	0	--	--	--	--	--	--
-------	----	---	----	----	----	----	----	----

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979

22...	--	1	--	1	<10	--	0	50
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02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979

21...	--	1	--	2	10	--	0	280
-------	----	---	----	---	----	----	---	-----

02312700 - OUTLET RIVER AT PANACOOCHIE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978

30...	--	0	--	0	10	0	1	30
-------	----	---	----	---	----	---	---	----

MAY , 1979

15...	--	1	--	0	20	1	1	70
-------	----	---	----	---	----	---	---	----

SEP

27...	--	1	--	0	20	0	6	300
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02313000 - WITHLACOOCHIE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

NOV , 1978

28...	--	1	0	1	<10	1	2	60
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FEB , 1979

28...	--	1	0	5	10	2	3	160
-------	----	---	---	---	----	---	---	-----

MAY

16...	--	1	0	1	10	3	4	240
-------	----	---	---	---	----	---	---	-----

AUG

22...	--	4	0	0	20	2	7	360
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OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

495

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979								
11...	23	--	34	--	--	--	--	50
11...	30	--	3.7	--	--	--	--	90
11...	29	--	5.6	--	--	--	--	50
12...	150	--	4.3	--	--	--	--	80
12...	77	--	3.0	--	--	--	--	60
12...	110	--	3.8	--	--	--	--	90
12...	75	--	6.9	--	--	--	--	60
12...	70	--	3.6	--	--	--	--	80
12...	67	--	3.1	--	--	--	--	110
12...	63	--	4.7	--	--	--	--	70
12...	52	--	5.8	--	--	--	--	50

02310300 - PITHLACHASCOTEE RIVER NR NEW PORT RICHEY, FLA. (LAT 28 15 19 LONG 082 39 37)

OCT , 1978								
24...	10	20	<.5	14	--	--	--	--

02310500 - WEEKIWACHEE SPRINGS NR BROOKSVILLE, FLA. (LAT 28 31 00 LONG 082 34 25)

OCT , 1978								
25...	9	0	<.5	8	--	--	--	--

02310800 - WITHLACOOCHEE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

JUN , 1979								
11...	--	--	<.5	--	--	--	--	--

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979								
22...	3	30	<.5	6	0	--	--	0

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979								
21...	17	20	<.5	7	0	--	--	20

02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978								
30...	8	10	<.5	--	--	--	--	--
MAY , 1979								
15...	3	10	<.5	--	--	--	--	--
SEP								
27...	5	30	<.5	--	--	--	--	--

02313000 - WITHLACOOCHEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

NOV , 1978								
28...	15	0	<.5	--	0	0	--	20
FEB , 1979								
28...	62	20	<.5	--	0	0	--	30
MAY								
16...	4	10	<.5	--	0	0	--	30
AUG								
22...	0	10	<.5	--	0	1	--	140

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979								
17...	20	1	--	1	--	--	--	60
SEP								
11...	20	1	--	0	--	--	--	40

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979								
31...	--	5	0	0	10	--	320	1300

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979								
29...	--	1	0	0	<10	--	1	90

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

JUN , 1979								
05...	60	1	--	0	30	--	2	50
05...	50	1	--	0	30	--	1	110
JUL								
16...	50	2	--	1	20	--	1	80

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

JUN , 1979								
05...	40	0	--	0	20	--	3	50
JUL								
16...	50	0	--	1	20	--	2	80
20...	300	8	--	2	60	--	6	5700

275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)

JAN , 1979								
23...	--	1	--	2	10	--	1	--
APR								
05...	--	2	--	6	10	--	1	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978								
27...	--	3	--	0	30	1	2	40
MAY , 1979								
23...	--	1	--	1	10	1	9	600

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978								
27...	--	2	--	0	<10	0	1	0
MAY , 1979								
23...	--	1	--	0	10	0	2	580

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

497

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

02313100 - RAINBOW SPRINGS NEAR DUNNELLON, FLA. (LAT 29 06 08 LONG 082 26 16)

MAY , 1979								
17...	0	0	<.5	14	--	--	--	--
SEP								
11...	1	0	<.5	2	--	--	--	--

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979								
31...	1	10	.6	--	0	1	--	10

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979								
29...	50	30	<.5	--	0	0	--	150

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

JUN , 1979								
05...	4	--	<.5	13	0	0	--	10
05...	2	--	<.5	14	0	0	--	20
JUL								
16...	0	--	<.5	4	0	0	--	40

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

JUN , 1979								
05...	6	--	<.5	20	0	0	--	30
JUL								
16...	2	--	<.5	3	0	1	--	40
20...	9	--	1.0	35	1	0	--	530

275231082401900 - PINELLAS CO. LF DITCH "A" SW 26 (LAT 27 52 31 LONG 082 40 19)

JAN , 1979								
23...	12	--	<.5	--	--	--	--	20
APR								
05...	100	--	.5	--	--	--	--	10

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978								
27...	2	40	<.5	--	--	--	5800	--
MAY , 1979								
23...	44	40	<.5	--	--	--	2100	--

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978								
27...	5	10	<.5	--	--	--	820	--
MAY , 1979								
23...	0	30	<.5	--	--	--	170	--

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978								
30...	--	2	--	2	10	2	2	640
MAY , 1979								
25...	--	1	--	0	20	1	5	1200

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979								
30...	--	1	0	0	<10	--	0	150

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978								
30...	--	2	--	1	<10	0	1	80
MAY , 1979								
24...	--	1	--	0	20	0	3	530

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978								
30...	--	2	--	1	10	1	8	60
MAY , 1979								
25...	--	1	--	0	20	0	1	450

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978								
26...	--	1	--	0	<10	1	8	170
MAY , 1979								
25...	--	1	--	1	20	0	7	330

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978								
30...	--	1	--	1	<10	1	2	80
MAY , 1979								
25...	--	1	--	0	20	1	2	380

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978								
30...	--	1	--	1	10	1	1	150
MAY , 1979								
15...	--	2	--	0	10	1	1	400
SEP								
27...	--	1	--	0	20	0	2	410

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978								
30...	--	1	--	0	10	0	1	10
MAY , 1979								
15...	--	2	--	0	10	0	1	30
SEP								
27...	--	1	--	0	20	0	0	50

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

499

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978								
30...	6	20	<.5	--	--	--	810	--
MAY , 1979								
25...	9	50	<.5	--	--	--	210	--

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979								
30...	0	10	<.5	--	0	0	--	0

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978								
30...	1	10	<.5	--	--	--	--	--
MAY , 1979								
24...	6	20	<.5	--	--	--	150	--

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978								
30...	3	20	<.5	--	--	--	750	--
MAY , 1979								
25...	7	30	<.5	--	--	--	350	--

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978								
26...	2	30	<.5	--	--	--	550	--
MAY , 1979								
25...	10	20	<.5	--	--	--	100	--

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978								
30...	2	20	<.5	--	--	--	400	--
MAY , 1979								
25...	8	10	<.5	--	--	--	140	--

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978								
30...	5	20	<.5	--	--	--	--	--
MAY , 1979								
15...	6	10	<.5	--	--	--	--	--
SEP								
27...	0	20	<.5	--	--	--	--	--

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978								
30...	3	0	<.5	--	--	--	--	--
MAY , 1979								
15...	1	0	<.5	--	--	--	--	--
SEP								
27...	0	10	<.5	--	--	--	--	--

OCTOBER 1978 TO SEPTEMBER 1979
SURFACE WATER QUALITY RECORDS
TOTAL TRACE METALS

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
------	---	--	--	--	---	--	--	--

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978								
30...	--	1	--	1	<10	0	2	30
MAY , 1979								
15...	--	3	--	0	20	0	1	540
SEP								
27...	--	1	--	0	20	0	0	250

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978								
30...	--	1	--	0	<10	0	1	60
MAY , 1979								
15...	--	3	--	1	20	2	1	520
SEP								
27...	--	2	--	0	20	0	0	280

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978								
30...	--	1	--	0	10	0	1	30
MAY , 1979								
15...	--	1	--	0	10	0	0	50

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
------	--	--	--	--	---	--	--	--

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978								
30...	1	10	<.5	--	--	--	--	--
MAY , 1979								
15...	1	0	<.5	--	--	--	--	--
SEP								
27...	0	10	<.5	--	--	--	--	--

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978								
30...	0	20	<.5	--	--	--	--	--
MAY , 1979								
15...	4	10	<.5	--	--	--	--	--
SEP								
27...	0	120	<.5	--	--	--	--	--

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT , 1978								
30...	5	0	<.5	--	--	--	--	--
MAY , 1979								
15...	3	0	<.5	--	--	--	--	--

SURFACE WATER QUALITY RECORDS

Chemical Analysis of Bottom Sediments

Data in this section include the following parameters:

C.O.D., total in bottom material	Solids, volatile in bottom material
Nitrogen, NO ₂ , NO ₃ , tot in bot mat	Nitrogen, NH ₄ , org tot in bot mat
Nitrogen, total in bottom material	Phosphorus, total in bottom material
Arsenic, total in bottom material	Cadmium, recoverable from bot mat
Chromium, recoverable from bot mat	Copper, recoverable from bot mat
Iron, recoverable from bot mat	Lead, recoverable from bot mat
Mercury, recoverable fm bot mat	Selenium, total in bot mat
Oil and Grease, total in bot mat	Zinc, recoverable from bot mat
Carbon, inorg + org total in bot mat	Carbon, inorganic total in bot mat
PCB, total in bottom material	

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
CHEMICAL ANALYSIS OF BOTTOM SEDIMENTS

DATE	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG) (00339)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG) (00496)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG) (00633)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG) (00626)	NITRO- GEN,TOT IN BOT- TOM MA- TERIAL (MG/KG) (00603)	PHOS- PHORUS, TOTAL IN BOT- TOM MA- TERIAL (MG/KG) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01043)
------	--	--	---	--	---	---	---	--	---	--

02301802 - TAMPA BYPASS CANAL AT S-160,AT TAMPA,FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978										
27...	160000	94600	4.8	3100	--	1700	--	--	--	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

NOV , 1978										
01...	--	--	--	--	--	--	--	--	--	--

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979										
07...	--	727000	821	170000	171000	2200	23	<10	30	20

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978										
26...	66000	48000	1.7	4700	--	4600	--	--	--	--

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978										
26...	8600	4450	1.8	650	--	130	--	--	--	--

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979										
22...	--	--	--	--	--	--	--	--	--	--

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979										
21...	--	--	--	--	--	--	--	--	--	--

275031082394800 - MOUTH OF CANAL ENTERING SAWGRASS LK AT GANDY BLV (LAT 27 50 31 LONG 082 39 48)

APR , 1979										
05...	--	--	--	--	95000	0	--	<10	--	--
05...	--	--	--	--	1200	0	--	<10	--	--
JUN										
12...	--	--	--	--	88000	400	--	<10	--	--
12...	--	--	--	--	930	400	--	<10	--	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978										
27...	26000	81400	2.5	1600	--	2700	--	--	--	--

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978										
27...	78000	87900	1.0	2400	--	3900	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
CHEMICAL ANALYSIS OF BOTTOM SEDIMENTS

503

DATE	IRON. RECOV. FM BOT- TOM MA- (UG/G AS FE) (01170)	LEAD. RECOV. FM BOT- TOM MA- (UG/G AS PB) (01052)	MERCURY RECOV. FM BOT- TOM MA- (UG/G AS HG) (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- (UG/G) (01148)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG) (00557)	ZINC, RECOV. FM BOT- TOM MA- (UG/G AS ZN) (01093)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C) (00693)	CARBON, INOR- GANIC, TOT IN BOT MAT (G/KG AS C) (00686)	PCB, TOTAL IN BOT- TOM MA- (UG/KG) (39519)
------	---	---	---	--	--	---	--	--	---

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978									
27...	--	--	--	--	--	--	65	35	39

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

NOV , 1978									
01...	--	--	--	--	--	--	--	--	ND

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979									
07...	7800	160	.00	0	0	90	--	--	66

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978									
26...	--	--	--	--	--	--	13	.0	16

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978									
26...	--	--	--	--	--	--	2.1	.0	0

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979									
22...	--	--	--	--	--	--	--	--	0

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979									
21...	--	--	--	--	--	--	--	--	0

275031082394800 - MOUTH OF CANAL ENTERING SAWGRASS LK AT GANDY BLV (LAT 27 50 31 LONG 082 39 48)

APR , 1979									
05...	9500	100	--	--	--	590	--	--	56
05...	450	10	--	--	--	20	--	--	10
JUN									
12...	9400	<10	--	--	--	450	--	--	0
12...	320	30	--	--	--	20	--	--	0

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978									
27...	--	--	--	--	--	--	55	5.4	250

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978									
27...	--	--	--	--	--	--	40	12	0

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
CHEMICAL ANALYSIS OF BOTTOM SEDIMENTS

DATE	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG) (00339)	SOLIDS, VOLATILE IN BOTTOM MA- TERIAL (MG/KG) (00496)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG) AS N) (00633)	NITRO- GEN+NH4 + ORG. TOT IN BOT MAT (MG/KG) AS N) (00626)	NITRO- GEN+TOT IN BOT- TOM MA- TERIAL (MG/KG) AS N) (00603)	PHOS- PHORUS, TOTAL IN BOT- TOM MA- TERIAL (MG/KG) AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU) (01043)
------	--	--	--	---	--	--	---	--	---	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978										
30...	150000	96500	.0	5700	--	580	--	--	--	--

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978										
30...	150000	129000	3.0	3600	--	1300	--	--	--	--

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978										
30...	83000	112000	3.8	2100	--	1500	--	--	--	--

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978										
26...	58000	40100	1.2	3900	--	140	--	--	--	--

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978										
30...	460000	374000	7.2	7600	--	1300	--	--	--	--

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
CHEMICAL ANALYSIS OF BOTTOM SEDIMENTS

DATE	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G) (01148)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG) (00557)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C) (00693)	CARBON, INOR- GANIC, TOT IN BOT MAT (G/KG AS C) (00686)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)
280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)									
OCT , 1978 30...	--	--	--	--	--	--	33	33	12
280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)									
OCT , 1978 30...	--	--	--	--	--	--	36	31	0
280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)									
OCT , 1978 30...	--	--	--	--	--	--	41	21	0
280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)									
OCT , 1978 26...	--	--	--	--	--	--	18	.0	0
280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)									
OCT , 1978 30...	--	--	--	--	--	--	170	169	0

SURFACE WATER QUALITY RECORDS

Insecticides in Water

Data in this section include the following parameters:

Aldrin, total	Chlordane, total
DDD, total	DDE, total
DOT, total	Diazinon, total
Dieldrin, total	Endosulfan, total
Endrin, total	Ethion, total
Heptachlor, total	Heptachlor Epoxide, total
Mirex, total	Lindane, total
Malathion, total	Methoxychlor, total
Methyl Parathion, total	Methyl Trithion, total
Parathion, total	Perthane, total
Toxaphene, total	Trithion, total

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
INSECTICIDES IN WATER

DATE	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- AZINON, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA- CHLOR, TOTAL (UG/L) (39410)
02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)											
OCT , 1978											
31...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
FEB , 1979											
05...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
MAY											
02...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)											
NOV , 1978											
01...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
JAN , 1979											
30...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
MAY											
02...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)											
FEB , 1979											
22...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)											
FEB , 1979											
21...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)											
JAN , 1979											
31...	.00	.0	.00	.00	.00	--	.00	.00	.00	--	.00
272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)											
JAN , 1979											
29...	.00	.0	.00	.00	.00	--	.00	.00	.00	--	.00
280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)											
JAN , 1979											
30...	.00	.0	.00	.00	.00	--	.00	.00	.00	--	.00

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
INSECTICIDES IN WATER

509

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	MIREX, TOTAL (UG/L) (39755)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL TRI- THION, TOTAL (UG/L) (39790)	PARA- THION, TOTAL (UG/L) (39540)	PER- THANE TOTAL (UG/L) (39034)	TOX- APHENE, TOTAL (UG/L) (39400)	TOTAL TRI- THION (UG/L) (39786)
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02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978											
31...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND
FEB , 1979											
05...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND
MAY											
02...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

NOV , 1978											
01...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND
JAN , 1979											
30...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND
MAY											
02...	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979											
22...	.00	.00	.00	.00	--	.00	.00	.00	.00	0	.00

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979											
21...	.00	.00	.00	.00	--	.00	.00	.00	.00	0	.00

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979											
31...	.00	.00	.00	--	.00	--	--	--	.00	0	--

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979											
29...	.00	.00	.00	--	.00	--	--	--	.00	0	--

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979											
30...	.00	.00	.00	--	.00	--	--	--	.00	0	--

SURFACE WATER QUALITY RECORDS

Herbicides and Industrial Compounds

Data in this section include the following parameters:

PCB, total	Naphthalenes, Polychlor, total
2,4-D, total	2,4-D, dissolved
2,4,5-T, dissolved	2,4,5-T, total
Silver, dissolved	Silvex, total

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
HERBICIDES AND INDUSTRIAL COMPOUNDS

DATE	PCB, TOTAL (UG/L) (39516)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	2,4-D, TOTAL (UG/L) (39730)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4,5-T DIS- SOLVED (UG/L) (39742)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, DIS- SOLVED (UG/L) (39762)	SILVEX, TOTAL (UG/L) (39760)
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02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978								
31...	ND	--	--	--	--	--	--	--
FEB , 1979								
05...	ND	--	--	--	--	--	--	--
MAY								
02...	ND	--	--	--	--	--	--	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

NOV , 1978								
01...	ND	--	--	--	--	--	--	--
JAN , 1979								
30...	ND	--	--	--	--	--	--	--
MAY								
02...	ND	--	--	--	--	--	--	--

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979								
07...	--	--	--	.17	.00	--	.00	--

02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979								
22...	.0	.00	.00	--	--	.00	--	.00

02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979								
21...	.0	.00	--	--	--	--	--	--

265924082044701 - PORT CHARLOTTE PLANT NO 2 UNTREATED (LAT 26 59 24 LONG 082 04 47.01)

JAN , 1979								
31...	.0	.00	.00	--	--	.00	--	.00

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON,FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979								
29...	.0	.00	.00	--	--	.00	--	.00

280057082252000 - HILLSBOROUGH RIVER NR WATER PLANT NR TAMPA,FLA (LAT 28 00 57 LONG 082 25 20)

JAN , 1979								
30...	.0	.00	.00	--	--	.00	--	.00

SURFACE WATER QUALITY RECORDS

Pesticides in Bottom Sediments

Data in this section include the following parameters:

Aldrin, total in bottom material	Chlordane, total in bottom material
DDD, total in bottom material	DDE, total in bottom material
DDT, total in bottom material	Diazinon, total in bottom material
Dieldrin, total in bottom material	Endrin, total in bottom material
Ethion, total in bottom material	Heptachlor, total in bottom material
Heptachlor Epoxide, total in bot mat	Lindane, total in bottom material
Halathion, total in bottom material	Methoxychlor, total in bot material
Methyl Parathion, total in bot mat	Parathion, total in bottom material
Toxaphene, total in bottom material	Trithion, total in bottom material
2,4-D, total in bottom material	Silvex, total in bottom material

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
PESTICIDES IN BOTTOM SEDIMENTS

DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)
02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)											
OCT , 1978 27...	.0	16	12	7.0	2.2	--	.0	.0	--	.0	.0
02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)											
NOV , 1978 01...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)											
AUG , 1979 07...	.0	32	.6	1.1	.0	.0	.0	.0	.0	.0	.0
02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)											
OCT , 1978 26...	.0	10	.0	1.6	.0	--	.0	.0	--	.0	.0
02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)											
OCT , 1978 26...	.0	0	.0	.0	.0	--	.0	.0	--	.0	.0
02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)											
FEB , 1979 22...	.0	0	.0	.0	.0	--	.0	.0	--	7.5	.0
02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)											
FEB , 1979 21...	.0	0	.0	.0	.0	--	.0	.0	--	.0	.0
275031082394800 - MOUTH OF CANAL ENTERING SAWGRASS LK AT GANDY BLV (LAT 27 50 31 LONG 082 39 48)											
APR , 1979 05...	.0	40	24	48	.0	.0	.0	.0	.0	.0	.0
05...	.0	31	.0	5.0	6.1	.0	1.2	.0	.0	.0	.0
JUN 12...	.0	84	.0	.0	.0	.0	.0	.0	.0	.0	.0
12...	.0	56	2.5	1.5	1.6	.0	.0	.0	.0	.0	1.1
275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)											
OCT , 1978 27...	.0	9	8.0	.0	1.0	--	.0	.0	--	.0	.0
275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)											
OCT , 1978 27...	.0	3	.0	.0	.0	--	.0	.0	--	.0	.0

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
PESTICIDES IN BOTTOM SEDIMENTS

515

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG) (39481)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG) (39601)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG) (39791)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39731)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39761)
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02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978 27...	.0	--	--	--	--	--	0	--	--	--
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02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

NOV , 1978 01...	ND	ND	ND	ND	ND	ND	ND	ND	--	--
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02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979 07...	.0	.0	.0	.0	.0	.0	0	.0	0	.0
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02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978 26...	.0	--	--	--	--	--	0	--	--	--
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02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978 26...	.0	--	--	--	--	--	0	--	--	--
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02312688 - LAKE DEATON NEAR WILDWOOD, FLA. (LAT 28 49 42 LONG 081 58 51)

FEB , 1979 22...	.0	--	--	--	--	--	0	--	--	--
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02312691 - LAKE OKAHUMPKA NR WILDWOOD, FLA. (LAT 28 49 45 LONG 082 00 06)

FEB , 1979 21...	.0	--	--	--	--	--	0	--	--	--
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275031082394800 - MOUTH OF CANAL ENTERING SAWGRASS LK AT GANDY BLV (LAT 27 50 31 LONG 082 39 48)

APR , 1979 05...	.0	.0	--	.0	.0	.0	0	.0	--	--
05...	.0	.0	--	.0	.0	.0	0	.0	--	--
JUN 12...	.0	.0	--	.0	.0	.0	0	.0	--	--
12...	.0	.0	--	.0	.0	.0	0	.0	--	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978 27...	.0	--	--	--	--	--	0	--	--	--
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275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978 27...	.0	--	--	--	--	--	0	--	--	--
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SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
PESTICIDES IN BOTTOM SEDIMENTS

DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)
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280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978											
30...	.0	17	11	3.8	.0	--	.0	.0	--	.0	.0

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978											
30...	.0	3	.0	.0	.0	--	.0	.0	--	.0	.0

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978											
30...	.0	0	.0	.0	.0	--	.0	.0	--	.0	.0

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978											
26...	.0	0	.0	.3	.0	--	.0	.0	--	.0	.0

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978											
30...	.0	10	3.2	5.2	.0	--	.0	.0	--	.0	.0

SURFACE WATER QUALITY RECORDS
OCTOBER 1977 TO SEPTEMBER 1978
PESTICIDES IN BOTTOM SEDIMENTS

517

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39731)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39761)
------	--	--	---	---	--	--	--	---	---	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978 30...	.0	--	--	--	--	--	0	--	--	--
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280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978 30...	.0	--	--	--	--	--	0	--	--	--
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280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978 30...	.0	--	--	--	--	--	0	--	--	--
---------------------	----	----	----	----	----	----	---	----	----	----

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978 26...	.0	--	--	--	--	--	0	--	--	--
---------------------	----	----	----	----	----	----	---	----	----	----

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978 30...	.0	--	--	--	--	--	0	--	--	--
---------------------	----	----	----	----	----	----	---	----	----	----

SURFACE WATER QUALITY RECORDS

Radiochemical Data

Data in this section include the following parameters:

Gross Alpha, dissolved (80030)	Gross Alpha, sus tot (80040)
Gross Alpha, dissolved (01515)	Gross Alpha, sus tot (01516)
Gross Beta, dissolved (03515)	Gross Beta, suspended total (03516)
Gross Beta, dissolved (80050)	Gross Beta, suspended total (80060)
Radium 226, dissolved radon method	Uranium, dissolved extraction

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
RADIOCHEMICAL DATA

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)
------	---	---	--	--	--	--	---	---	--	--

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978										
03...	<2.2	3.9	--	--	4.0	2.1	3.7	2.1	.21	.37
JUN , 1979										
05...	<2.6	4.3	<1.8	2.9	4.4	1.9	4.1	2.1	.19	.60

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978										
03...	<1.3	<.4	--	--	2.7	<.4	2.5	<.4	.22	.05

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978										
03...	<3.2	<.4	--	--	2.2	<.4	2.0	<.4	.12	.50
JUN , 1979										
05...	<4.3	1.4	<2.9	1.0	2.1	.8	1.9	.9	.03	.40

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978										
04...	2.7	<.4	--	--	1.9	<.4	1.8	<.4	.05	<.01
JUN , 1979										
04...	<2.5	<.4	<1.7	<.3	2.6	<.4	2.4	<.4	.33	.80

265924082044700 - PORT CHARLOTTE UNTREATED SURFACE WATER (LAT 26 59 24 LONG 082 04 47)

AUG , 1979										
22...	16	.6	11	.4	4.0	.9	3.7	1.0	1.1	3.1

272935082212000 - LK MANATEE RAW WATER INTAKE SE NR BRADENTON, FLA (LAT 27 29 35 LONG 082 21 20)

JAN , 1979										
29...	3.7	--	--	--	5.4	--	5.1	--	--	--

SURFACE WATER QUALITY RECORDS

Bacteriological and Miscellaneous Data

Data in this section include the following parameters:

Turbidity	Oxygen Demand, chemical
Oxygen Demand, biochemical	Coliform, total immed
Coliform, fecal	Invertebrates, benthic wet wt
Invertebrates, benthic dry wt	Invertebrates, benthic ash wt
Streptococci Fecal	Carbon Dioxide, dissolved
Carbon, organic dissolved	Periphyton Biomass, total dry wt
Methylene Blue, active substance	Phytoplank Ton, total
Algal Growth Potential, bottle test	Seston, total
Biomass Chlorophyll Ratio Periphyton	Periphyton Biomass, ash wt
Chlor-A Phytoplankton Chromo Fluorom	Chlor-B Phytoplankton Chromo Graphic Fluorom
Sediment, suspended	Sediment Discharge, suspended

The following remarks codes may appear with the data in this section:

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)
------	---	--	---	---	---	--	--	--	---	--	---	---

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

OCT , 1978												
03...	6.0	--	--	5000	60	--	--	--	54	--	13	--
31...	2.0	--	1.0	E41000	F6200	--	--	--	K22	--	--	--
NOV												
28...	1.0	--	--	K470	114	--	--	--	K14	--	--	--
JAN , 1979												
03...	3.0	--	--	2200	70	--	--	--	K24	--	12	1.34
30...	8.0	--	--	2300	94	--	--	--	110	--	--	--
FEB												
28...	5.0	--	--	2100	K180	--	--	--	98	--	--	--
APR												
03...	2.0	--	--	280	K10	--	--	--	K8	--	--	--
MAY												
02...	4.0	--	--	K150	K17	--	--	--	K7	--	--	--
JUN												
05...	15	--	2.8	K1100	220	--	--	--	K50	4.7	--	--
JUL												
02...	14	--	--	2100	200	--	--	--	90	--	15	2.20
AUG												
01...	12	--	--	370	K48	--	--	--	46	3.5	--	--
SEP												
04...	4.0	--	--	2500	370	--	--	--	340	19	--	--

02297000 - 100 JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)

JAN , 1979												
15...	--	--	--	--	--	--	--	--	--	--	--	1.81
MAY												
16...	2.0	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	--

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

OCT , 1978												
03...	2.0	--	--	3300	K18	--	--	--	K26	--	14	4.01
31...	2.0	--	1.9	2600	76	--	--	--	300	--	--	--
NOV												
28...	2.0	--	--	K200	K14	--	--	--	K30	--	--	--
JAN , 1979												
03...	1.0	--	--	2200	K36	--	--	--	K28	--	12	.080
30...	2.0	--	--	710	K18	--	--	--	K38	--	--	--
MAR												
06...	2.0	--	--	K1500	K12	--	--	--	K22	--	--	--
APR												
03...	2.0	--	--	K130	<1	--	--	--	K4	--	25	.780
MAY												
02...	2.0	--	--	K60	K3	--	--	--	K7	--	--	--
JUN												
05...	1.0	--	1.1	K600	K4	--	--	--	<2	--	--	--
26...	2.0	--	--	1000	250	--	--	--	62	--	17	--
AUG												
01...	1.0	--	--	K170	K22	--	--	--	K24	2.5	--	--
SEP												
05...	1.0	--	--	930	50	--	--	--	100	15	--	--

523

02296750 - PEACE RIVER AT ARCADIA, FLA. (LAT 27 13 19 LONG 081 52 34)

02297000 - 10D JOSHUA CREEK NR ARCADIA (LAT 27 10 41 LONG 081 49 41)

02298830 - MYAKKA RIVER NR SARASOTA, FLA. (LAT 27 14 25 LONG 082 18 50)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL (5 DAY PER (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M (00573)
------	---	--	--	---	---	--	--	--	--	--	---	--

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

OCT , 1978												
03...	2.0	--	--	3200	K38	--	--	--	K38	--	7.9	--
31...	2.0	--	.8	2200	K28	--	--	--	K24	--	--	--
NOV												
27...	--	--	--	290	K24	--	--	--	62	--	--	--
28...	1.0	--	--	K400	K22	--	--	--	K12	--	--	--
JAN , 1979												
03...	9.0	--	--	K8500	E2100	--	--	--	840	--	16	--
30...	4.0	--	--	260	K38	--	--	--	K12	--	--	--
MAR												
06...	3.0	--	--	K110000	E27000	--	--	--	E17000	--	--	--
APR												
03...	2.0	--	--	280	K10	--	--	--	K8	--	8.6	--
MAY												
02...	2.0	--	--	600	K40	--	--	--	K27	--	--	--
JUN												
05...	3.0	--	.9	K1400	K20	--	--	--	K28	--	--	--
26...	2.0	--	--	900	110	--	--	--	63	--	33	--
AUG												
01...	2.0	--	--	K600	54	--	--	--	130	6.2	--	--
SEP												
05...	4.0	--	--	1600	340	--	--	--	177	8.3	--	--

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

OCT , 1978												
27...	2.0	--	1.4	--	--	--	--	--	--	5.7	--	--
DEC												
15...	--	--	--	--	--	12	2.6	.9	--	--	--	--
MAY , 1979												
23...	2.0	--	1.1	--	--	--	--	--	--	17	--	--

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

DEC , 1978												
12...	--	--	--	440	K5	--	--	--	--	--	--	--
12...	--	--	--	K340	K12	--	--	--	--	--	--	--
12...	--	--	--	660	K8	--	--	--	--	--	--	--
13...	--	--	--	300	K3	--	--	--	--	--	--	--

525

02301500 - ALAFIA RIVER AT LITHIA, FLA. (LAT 27 52 19 LONG 082 12 41)

02301802 - TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL. (LAT 27 57 21 LONG 082 22 15)

02302010 - HILLSBOROUGH R BL CRYSTAL SG NR ZEPHYRHILLS, FLA (LAT 28 10 43 LONG 082 11 21)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M (00573)
------	---	--	---	---	---	--	--	--	---	--	---	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

OCT , 1978												
04...	1.0	--	--	3100	64	--	--	--	K30	--	3.7	6.40
NOV												
01...	1.0	--	.8	2300	K24	--	--	--	K20	--	--	--
27...	1.0	--	--	620	72	--	--	--	K24	--	--	--
DEC												
12...	--	--	--	1100	38	--	--	--	--	--	--	--
12...	--	--	--	490	K30	--	--	--	--	--	--	--
12...	--	--	--	560	K27	--	--	--	--	--	--	--
12...	--	--	--	490	K32	--	--	--	--	--	--	--
12...	--	--	--	620	76	--	--	--	--	--	--	--
12...	--	--	--	670	K20	--	--	--	--	--	--	--
12...	--	--	--	730	38	--	--	--	--	--	--	--
13...	--	--	--	660	K23	--	--	--	--	--	--	--
13...	--	--	--	K390	64	--	--	--	--	--	--	--
13...	--	--	--	510	86	--	--	--	--	--	--	--
13...	--	--	--	K420	K27	--	--	--	--	--	--	--
13...	--	--	--	340	44	--	--	--	--	--	--	--
JAN , 1979												
03...	1.0	--	--	5200	470	--	--	--	520	--	9.0	.870
30...	2.0	--	--	770	94	--	--	--	K8	--	--	--
MAR												
06...	2.0	--	--	35000	K5400	--	--	--	K3400	--	--	--
27...	2.0	--	--	580	K14	--	--	--	K16	--	9.5	--
MAY												
02...	3.0	--	--	1100	K23	--	--	--	<1	--	--	2.99
JUN												
04...	3.0	--	.6	920	72	--	--	--	K22	--	--	--
26...	.00	--	--	100	K26	--	--	--	K8	--	2.7	2.52
AUG												
01...	1.0	--	--	K1200	K42	--	--	--	270	5.4	--	--
28...	1.0	--	--	2200	93	--	--	--	K120	25	--	--

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

AUG , 1979												
07...	--	--	3.9	--	--	--	--	--	--	--	17	--

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

OCT , 1978												
26...	5.0	--	4.1	--	--	--	--	--	--	16	--	--
DEC												
14...	--	--	--	--	--	1.9	.3	.2	--	--	--	--
MAY , 1979												
25...	3.0	--	4.4	--	--	--	--	--	--	23	--	--

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

OCT , 1978												
26...	12	--	4.4	--	--	--	--	--	--	.2	--	--
DEC												
14...	--	--	--	--	--	6.6	.8	.1	--	--	--	--
MAY , 1979												
25...	2.0	--	6.8	--	--	--	--	--	--	.1	--	--

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

DEC , 1978												
12...	--	--	--	660	46	--	--	--	--	--	--	--
12...	--	--	--	320	35	--	--	--	--	--	--	--

527

DATE	METHY- LENE ALUE ACTIVE SUB- STANCE (MG/L) (3R260)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L) (85209)	SESTON, TOTAL (MG/L) (71100)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	PERI- PHYTON BIOMASS ASH WEIGHT G/50 M (00572)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70958)	SEDI- MENT DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
------	---	---	---	---------------------------------------	---	--	--	--	---	---	---	--

02303000 - HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA. (LAT 28 08 59 LONG 082 13 57)

[illegible]

02303220 - VALRICO LAKE AT VALRICO, FLA (LAT 27 57 21 LONG 082 15 39)

[illegible]

02303271 - BAKER CREEK NR THONOTOSASSA, FLA. (LAT 28 02 52 LONG 082 16 04)

[illegible]

02303300 - FLINT CREEK NR THONOTOSASSA, FLA. (LAT 28 04 04 LONG 082 16 04)

[illegible]

02303330 - HILLSBOROUGH R AT MORRIS BR NR THONOTOSASSA, FLA (LAT 28 05 50 LONG 082 18 45)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)
------	---	--	---	---	---	--	--	--	---	--	---	---

02303800 - CYPRESS CREEK NR SULPHUR SPRINGS, FLA. (LAT 28 05 20 LONG 082 24 33)

DEC , 1978												
12...	--	--	--	K1400	K13	--	--	--	--	--	--	--
12...	--	--	--	700	40	--	--	--	--	--	--	--

02304000 - HILLSBOROUGH RIVER AT FOWLER NEAR TAMPA, FLA (LAT 28 03 15 LONG 082 21 50)

DEC , 1978												
12...	--	--	--	540	K30	--	--	--	--	--	--	--
12...	--	--	--	670	330	--	--	--	--	--	--	--
12...	--	--	--	K370	48	--	--	--	--	--	--	--
13...	--	--	--	K320	68	--	--	--	--	--	--	--

02304200 - HILLSBOROUGH RIVER AT HARNEY, FLA (LAT 28 00 54 LONG 082 22 30)

DEC , 1978												
12...	--	--	--	K420	K15	--	--	--	--	--	--	--
12...	--	--	--	K420	K17	--	--	--	--	--	--	--
12...	--	--	--	560	K12	--	--	--	--	--	--	--
13...	--	--	--	K240	K23	--	--	--	--	--	--	--

02306006 - KIRBY STREET DRAINAGE DITCH AT TAMPA, FLA. (LAT 28 01 07 LONG 082 28 04)

JUN , 1979												
26...	4.0	5	5.4	310000	42000	--	--	--	22000	--	--	--
26...	12	100	8.0	270000	4700	--	--	--	6300	--	--	--
AUG												
02...	17	61	2.2	K130000	K80000	--	--	--	31000	--	--	--
02...	18	71	6.7	K190000	--	--	--	--	--	--	--	--
02...	30	120	8.2	210000	K160000	--	--	--	31000	--	--	--
02...	24	73	8.3	220000	K100000	--	--	--	33000	--	--	--
02...	19	66	6.8	K300000	K75000	--	--	--	24000	--	--	--
02...	16	49	6.9	K82000	60000	--	--	--	K17000	--	--	--
02...	13	17	4.1	K36000	56000	--	--	--	21000	--	--	--
02...	25	61	8.6	K55000	K130000	--	--	--	K78000	--	--	--
02...	20	57	7.8	K100000	K170000	--	--	--	67000	--	--	--

02306200 - LAKE MAGDALENE NR LUTZ, FLA. (LAT 28 04 55 LONG 082 29 10)

OCT , 1978												
26...	--	--	.6	--	--	--	--	--	--	--	--	--

02308193 - BOOKER CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 23 LONG 082 39 24)

JAN , 1979												
24...	55	39	>8.3	K110000	31000	--	--	--	--	--	--	--
24...	50	54	7.9	K130000	K19000	--	--	--	--	--	--	--
24...	130	130	6.6	K150000	K10000	--	--	--	--	--	--	--
24...	200	78	5.3	K160000	K13000	--	--	--	--	--	--	--
24...	130	54	4.4	K100000	K19000	--	--	--	--	--	--	--
24...	250	60	4.4	K150000	23000	--	--	--	--	--	--	--
24...	220	120	3.8	K150000	20000	--	--	--	--	--	--	--
24...	270	74	3.9	K86000	39000	--	--	--	--	--	--	--
24...	260	160	4.5	K110000	25000	--	--	--	--	--	--	--
24...	220	78	3.4	K150000	30000	--	--	--	--	--	--	--
24...	200	71	4.2	K120000	25000	--	--	--	--	--	--	--

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[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCI FECAL, KF AGAR PER 100 ML (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)
------	---	--	---	---	---	--	--	--	--	--	---	---

02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

JAN , 1979												
12...	7.0	19	2.8	K6000	5900	--	--	--	--	--	--	--
12...	4.0	12	2.4	K14000	3400	--	--	--	--	--	--	--
12...	6.0	16	3.2E	8.2E+07	4500	--	--	--	--	--	--	--
12...	4.0	10	2.3	30000	7300	--	--	--	--	--	--	--
12...	4.0	14	2.0	K19000	5700	--	--	--	--	--	--	--

02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)

FEB , 1979												
20...	--	--	--	K2	<0	--	--	--	--	--	--	--

02310800 - WITHLACOOCHIE RIVER NR EVA, FLA. (LAT 28 21 38 LONG 081 49 08)

JUN , 1979												
11...	22	--	--	--	--	--	--	--	--	.0	--	--
SEP												
19...	340	--	.9	--	--	--	--	--	--	--	--	--

02312700 - OUTLET RIVER AT PANACOOCHIE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

OCT , 1978												
30...	3.0	--	1.0	--	55	--	--	--	--	.5	--	--
NOV												
30...	1.0	--	1.0	--	15	--	--	--	--	.3	--	--
JAN , 1979												
18...	1.0	--	.8	--	35	--	--	--	--	3.3	--	--
FEB												
07...	1.0	--	--	--	15	--	--	--	--	--	--	--
MAR												
13...	1.0	--	1.5	--	15	--	--	--	--	1.1	--	--
APR												
12...	30	--	--	--	0	--	--	--	--	--	--	--
MAY												
15...	2.0	--	1.4	--	5	--	--	--	--	2.3	--	--
JUN												
27...	.00	--	--	--	50	--	--	--	--	--	--	--
JUL												
27...	2.0	--	--	--	30	--	--	--	--	--	--	--
AUG												
21...	2.0	--	--	--	60	--	--	--	--	--	--	--
SEP												
27...	2.0	--	2.7	--	--	--	--	--	--	1.7	--	--

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02308773 - BEAR CREEK AT ST. PETERSBURG, FLA. (LAT 27 46 17 LONG 082 42 51)

[illegible]

02309494 - HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22 LONG 082 46 21)

[illegible]

02310800 - WITHLACOOCHEE RIVER NR EVA. FLA. (LAT 28 21 38 LONG 081 49 08)

[illegible]

02312700 - OUTLET RIVER AT PANACOOCHEE RETREATS, FLA. (LAT 28 47 01 LONG 082 08 40)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- RID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M (00573)
------	---	--	---	---	---	--	--	--	--	--	---	--

02313000 - WITHLACOOCHIE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

OCT , 1978												
27...	1.0	--	--	--	40	--	--	--	15	--	--	--
NOV												
28...	.00	--	--	--	15	--	--	--	45	--	--	--
DEC												
27...	1.0	--	--	--	30	--	--	--	40	--	--	--
JAN , 1979												
23...	1.0	--	--	--	20	--	--	--	20	--	--	--
FEB												
28...	3.0	--	--	--	20	--	--	--	80	--	12	.400
MAR												
30...	2.0	--	--	--	45	--	--	--	15	--	--	--
APR												
11...	2.0	--	--	--	40	--	--	--	260	--	--	--
MAY												
16...	1.0	--	.5	--	25	--	--	--	120	--	43	.160
JUN												
26...	1.0	--	--	--	25	--	--	--	110	--	--	--
JUL												
26...	1.0	--	--	--	20	--	--	--	40	--	--	--
AUG												
22...	1.0	--	.9	--	75	--	--	--	45	--	--	--
SEP												
12...	1.0	--	--	--	25	--	--	--	55	--	--	--

02313250 - WITHLACOOCHIE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

NOV , 1978												
21...	1.0	--	--	--	--	--	--	--	--	--	--	--
JAN , 1979												
22...	1.0	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	1.0	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	1.0	--	.4	--	--	--	--	--	11	--	--	--
JUL												
25...	1.0	--	--	--	--	--	--	--	--	--	--	--
SEP												
10...	2.0	--	.9	--	--	--	--	--	--	--	--	--

275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)

AUG , 1979												
01...	--	--	--	K380	210	--	--	--	E15000	--	--	--

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

JUN , 1979												
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	2.0	72	--	--	--	--	--	--	--	--	--	--
JUL												
18...	--	--	--	K120	290	--	--	--	K26	--	--	--
19...	--	--	--	360	230	--	--	--	92	--	--	--
AUG												
08...	--	--	--	42000	46000	--	--	--	2000	--	--	--

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

JUN , 1979												
04...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
19...	--	--	--	2500000	K600000	--	--	--	270000	--	--	--
20...	--	--	--	4500000	2000000	--	--	--	2100000	--	--	--
AUG												
01...	--	--	--	K370000	K180000	--	--	--	270000	--	--	--

533

02313000 - WITHLACOOCHIEE RIVER NR HOLDER, FLA. (LAT 28 59 19 LONG 082 20 59)

02313250 - WITHLACOOCHEE R BYPASS CHANNEL NR INGLIS FLA (LAT 29 01 15 LONG 082 38 17)

275225082402000 - PINCOLF OXD PND S NR PINELLAS PARK (LAT 27 52 25 LONG 082 40 20)

275227082402000 - PINCOLF OXD PND N NR PINELLAS PARK (LAT 27 52 27 LONG 082 40 20)

275228082402000 - PINCOLF AER PND NR PINELLAS PARK (LAT 27 52 28 LONG 082 40 20)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BIO- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M 00573)
	(00076)	(00340)	(00310)	(31501)	(31625)	(70940)	(70941)	(70942)	(31673)	(00405)	(00681)	

275607082222000 - TAMPA BY PASS CANAL AT US60 BDG (LAT 27 56 07 LONG 082 22 20)

DEC , 1978												
14...	--	--	--	--	--	9.1	2.8	2.3	--	--	--	--

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

OCT , 1978												
27...	4.0	--	7.5	--	--	--	--	--	--	1.4	--	--
FEB , 1979												
12...	--	--	--	--	--	190	58	49	--	--	--	--
MAY												
23...	2.0	--	.7	--	--	--	--	--	--	11	--	--

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

OCT , 1978												
27...	2.0	--	2.3	--	--	--	--	--	--	5.6	--	--
DEC												
14...	--	--	--	--	--	27	4.7	2.2	--	--	--	--

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

OCT , 1978												
30...	3.0	--	E1.3	--	--	--	--	--	--	12	--	--
DEC												
14...	--	--	--	--	--	3.2	.4	.0	--	--	--	--
MAY , 1979												
25...	3.0	--	5.0	--	--	--	--	--	--	47	--	--

280020082202200 - C 132 ABOVE CONFLUENCE WITH C 135 NR HARNEY, FLA (LAT 28 00 20 LONG 082 20 22)

MAY , 1979												
25...	--	--	--	--	--	--	--	--	--	--	--	--

280033082245300 - HILLSBOROUGH R AT 40TH ST BRIDGE NR TAMPA, FL (LAT 28 00 33 LONG 082 24 53)

DEC , 1978												
12...	--	--	--	K440	K18	--	--	--	--	--	--	--
12...	--	--	--	K420	K12	--	--	--	--	--	--	--
12...	--	--	--	K440	K25	--	--	--	--	--	--	--
13...	--	--	--	260	35	--	--	--	--	--	--	--

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

OCT , 1978												
30...	5.0	--	E2.4	--	--	--	--	--	--	1.2	--	--
DEC												
14...	--	--	--	--	--	40	7.1	2.6	--	--	--	--
MAY , 1979												
24...	3.0	--	1.2	--	--	--	--	--	--	12	--	--

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

OCT , 1978												
30...	4.0	--	E1.5	--	--	--	--	--	--	4.5	--	--
MAY , 1979												
25...	2.0	--	1.4	--	--	--	--	--	--	11	--	--

535

275607082222000 - TAMPA BY PASS CANAL AT US60 BDG (LAT 27 56 07 LONG 082 22 20)

275647082240601 - PALM RIVER AT U S HWY 41 BRIDGE NR TAMPA (LAT 27 56 47 LONG 082 24 06.01)

275857082211200 - TAMPA BY PASS CANAL AT S-162 (LAT 27 58 57 LONG 082 21 12)

280014082203600 - C-132 AT EUREKA SPRINGS ROAD (LAT 28 00 14 LONG 082 20 36)

280020082202200 - C 132 ABOVE CONFLUENCE WITH C 135 NR HARNEY, FLA (LAT 28 00 20 LONG 082 20 22)

280033082245300 - HILLSBOROUGH R AT 40TH ST BRIDGE NR TAMPA, FL (LAT 28 00 33 LONG 082 24 53)

280105082221501 - HARNEY CANAL ABOVE PROPOSED S-161 (LAT 28 01 05 LONG 082 22 15.01)

280158082203700 - TAMPA BYPASS CANAL BELOW STRUCTURE S-159 (LAT 28 01 58 LONG 082 20 37)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BIO- IDY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCHI KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M (00573)
------	---	--	---	---	---	--	--	--	--	--	---	--

280409082223900 - HILLSBOROUGH RIVER AT FLETCHER AV NR TAMPA (LAT 28 04 09 LONG 082 22 39)

DEC , 1978

12...	--	--	--	K400	K13	--	--	--	--	--	--	--
12...	--	--	--	K320	K20	--	--	--	--	--	--	--
12...	--	--	--	490	K12	--	--	--	--	--	--	--
13...	--	--	--	K320	K20	--	--	--	--	--	--	--

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

OCT , 1978

26...	6.0	--	>9.0	--	--	--	--	--	--	33	--	--
FEB , 1979												
12...	--	--	--	--	--	.3	.0	.0	--	--	--	--
MAY												
25...	2.0	--	2.2	--	--	--	--	--	--	28	--	--

280455082170100 - HILLSBOROUGH R. AT CONFLUENCE WITH FLINT CREEK (LAT 28 04 55 LONG 082 17 01)

DEC , 1978

12...	--	--	--	1200	310	--	--	--	--	--	--	--
12...	--	--	--	850	K190	--	--	--	--	--	--	--
12...	--	--	--	1200	250	--	--	--	--	--	--	--
13...	--	--	--	1200	300	--	--	--	--	--	--	--

280458082170700 - HILLSBOROUGH R AB CONFLUENCE WITH FLINT CREEK (LAT 28 04 58 LONG 082 17 07)

DEC , 1978

12...	--	--	--	540	88	--	--	--	--	--	--	--
12...	--	--	--	K420	33	--	--	--	--	--	--	--

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

OCT , 1978

30...	2.0	--	E.6	--	--	--	--	--	--	5.5	--	--
DEC												
15...	--	--	--	--	--	12	8.0	7.2	--	--	--	--
MAY , 1979												
25...	3.0	--	9.0	--	--	--	--	--	--	20	--	--

280742082155200 - HILLSBOROUGH R AT BOY SCOUT CAMP NR THONOTOSASSA (LAT 28 07 42 LONG 082 15 52)

DEC , 1978

12...	--	--	--	610	K30	--	--	--	--	--	--	--
12...	--	--	--	670	K30	--	--	--	--	--	--	--

280902082125700 - HILLSB.R AT CONFLNC WITH BLKWTR CR NR ZHILLS,FLA (LAT 28 09 02 LONG 082 12 57)

DEC , 1978

12...	--	--	--	970	60	--	--	--	--	--	--	--
12...	--	--	--	900	60	--	--	--	--	--	--	--
12...	--	--	--	780	62	--	--	--	--	--	--	--
13...	--	--	--	900	74	--	--	--	--	--	--	--

280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)

DEC , 1978

12...	--	--	--	K1700	66	--	--	--	--	--	--	--
12...	--	--	--	710	40	--	--	--	--	--	--	--
12...	--	--	--	1100	56	--	--	--	--	--	--	--
13...	--	--	--	680	62	--	--	--	--	--	--	--

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280409082223900 - HILLSBOROUGH RIVER AT FLETCHER AV NR TAMPA (LAT 28 04 09 LONG 082 22 39)

[illegible]

280412082204400 - COW HOUSE CREEK NR MORRIS BRIDGE TBC SW NO 8 (LAT 28 04 12 LONG 082 20 44)

[illegible]

280455082170100 - HILLSBOROUGH R. AT CONFLUENCE WITH FLINT CREEK (LAT 28 04 55 LONG 082 17 01)

[illegible]

280458082170700 - HILLSBOROUGH R AB CONFLUENCE WITH FLINT CREEK (LAT 28 04 58 LONG 082 17 07)

[illegible]

280516082205001 - TROUT CREEK AT MOUTH ON HILLSBOROUGH RIVER (LAT 28 05 16 LONG 082 20 50.01)

[illegible]

280742082155200 - HILLSBOROUGH R AT BOY SCOUT CAMP NR THONOTOSASSA (LAT 28 07 42 LONG 082 15 52)

[illegible]

280902082125700 - HILLSB.R AT CONFLNC WITH BLKWTR CR NR ZHILLS,FLA (LAT 28 09 02 LONG 082 12 57)

[illegible]

280905082124800 - HILLSBOROUGH R. ABV CONFL WITH BLKWATER CREEK (LAT 28 09 05 LONG 082 12 48)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT (G/SQ M (00573)
------	---	--	---	---	---	--	--	--	---	--	---	--

281017082114100 - HILLS, R AT CONFLNC WITH BIG DITCH NR ZHILLS,FLA (LAT 28 01 07 LONG 082 11 41)

DEC , 1978

12...	--	--	--	3900	560	--	--	--	--	--	--	--
12...	--	--	--	2500	690	--	--	--	--	--	--	--
12...	--	--	--	3900	K840	--	--	--	--	--	--	--
13...	--	--	--	3300	K730	--	--	--	--	--	--	--

281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)

DEC , 1978

12...	--	--	--	390	62	--	--	--	--	--	--	--
12...	--	--	--	560	48	--	--	--	--	--	--	--
12...	--	--	--	830	K32	--	--	--	--	--	--	--
13...	--	--	--	630	42	--	--	--	--	--	--	--

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

OCT , 1978

30...	1.0	--	.5	--	65	--	--	--	--	4.8	--	--
NOV 30...	1.0	--	.5	--	120	--	--	--	--	7.6	--	--
JAN , 1979 18...	1.0	--	.1	--	55	--	--	--	--	9.6	--	--
FEB 07...	1.0	--	--	--	50	--	--	--	--	--	--	--
MAR 13...	3.0	--	.8	--	60	--	--	--	--	17	--	--
APR 12...	2.0	--	--	--	40	--	--	--	--	--	--	--
MAY 15...	1.0	--	1.0	--	35	--	--	--	--	24	--	--
JUN 27...	1.0	--	--	--	45	--	--	--	--	--	--	--
JUL 27...	2.0	--	--	--	60	--	--	--	--	--	--	--
AUG 21...	1.0	--	--	--	100	--	--	--	--	--	--	--
SEP 27...	2.0	--	2.2	--	--	--	--	--	--	42	--	--

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

OCT , 1978

30...	4.0	--	1.0	--	10	--	--	--	--	.2	--	--
NOV 30...	2.0	--	.9	--	0	--	--	--	--	.5	--	--
JAN , 1979 18...	1.0	--	.8	--	0	--	--	--	--	1.9	--	--
FEB 07...	1.0	--	--	--	25	--	--	--	--	--	--	--
MAR 13...	1.0	--	1.5	--	35	--	--	--	--	.7	--	--
APR 12...	4.0	--	--	--	0	--	--	--	--	--	--	--
MAY 15...	3.0	--	1.0	--	0	--	--	--	--	.6	--	--
JUN 27...	2.0	--	--	--	10	--	--	--	--	--	--	--
JUL 27...	4.0	--	--	--	10	--	--	--	--	--	--	--
AUG 21...	1.0	--	--	--	5	--	--	--	--	--	--	--
SEP 27...	1.0	--	1.3	--	--	--	--	--	--	1.1	--	--

539

281017082114100 - HILLS. R AT CONFLNC WITH BIG DITCH NR 7HILLS,FLA (LAT 28 01 07 LONG 082 11 41)

[illegible]

281018082114200 - HILLSBOROUGH R AB CONFLUENCE WITH BIG DITCH (LAT 28 10 18 LONG 082 11 42)

[illegible]

284535082054701 - LAKE PANASOFFKEE AT I-75 CROSSING (LAT 28 45 35 LONG 082 05 47.01)

NOV	30...	.00	--	11	--	--	--	--	--	--	--
JAN , 1979	30...	--	--	--	--	--	--	--	--	--	--
FEB	18...	--	--	--	--	--	--	--	--	--	--
MAR	07...	--	--	--	--	--	--	--	--	--	--
APR	13...	--	--	--	--	--	--	--	--	--	--
MAY	12...	--	--	--	--	--	--	--	--	--	--
JUN	15...	.00	--	10	--	--	--	--	--	--	--
JUL	27...	--	--	--	--	--	--	--	--	--	--
AUG	27...	--	--	--	--	--	--	--	--	--	--
SEP	21...	--	--	--	--	--	--	--	--	--	--
OCT	27...	.00	--	2.8	--	--	--	--	--	--	--

284753082070401 - LAKE PANASOFFKEE NR COLEMAN LANDING (LAT 28 47 53 LONG 082 07 04.01)

[illegible]

SURFACE WATER QUALITY RECORDS
OCTOBER 1978 TO SEPTEMBER 1979
BACTERIOLOGICAL AND MISCELLANEOUS DATA

DATE	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IN- VERTE- BRATES, BENTHIC WET WT. (G/SQ METER) (70940)	IN- VERTE- BRATES, BENTHIC DRY WT. (G/SQ METER) (70941)	IN- VERTE- BRATES, BENTHIC ASH WT. (G/SQ METER) (70942)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)
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284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

OCT , 1978												
30...	1.0	--	.2	--	55	--	--	--	--	1.8	--	--
NOV												
30...	1.0	--	.3	--	0	--	--	--	--	3.6	--	--
JAN , 1979												
18...	1.0	--	.4	--	130	--	--	--	--	6.0	--	--
FEB												
07...	1.0	--	--	--	25	--	--	--	--	--	--	--
MAR												
13...	1.0	--	.5	--	20	--	--	--	--	4.5	--	--
APR												
12...	2.0	--	--	--	30	--	--	--	--	--	--	--
MAY												
15...	2.0	--	1.0	--	20	--	--	--	--	22	--	--
JUN												
27...	.00	--	--	--	45	--	--	--	--	--	--	--
JUL												
27...	2.0	--	--	--	35	--	--	--	--	--	--	--
AUG												
21...	1.0	--	--	--	35	--	--	--	--	--	--	--
SEP												
27...	1.0	--	1.5	--	--	--	--	--	--	28	--	--

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

OCT , 1978												
30...	1.0	--	.0	--	80	--	--	--	--	2.8	--	--
DEC												
01...	1.0	--	.8	--	390	--	--	--	--	5.2	--	--
JAN , 1979												
18...	1.0	--	.3	--	60	--	--	--	--	7.6	--	--
FEB												
07...	.00	--	--	--	60	--	--	--	--	--	--	--
MAR												
13...	1.0	--	.4	--	15	--	--	--	--	4.8	--	--
APR												
12...	2.0	--	--	--	15	--	--	--	--	--	--	--
MAY												
15...	2.0	--	1.1	--	20	--	--	--	--	27	--	--
JUN												
27...	.00	--	--	--	10	--	--	--	--	--	--	--
JUL												
27...	3.0	--	--	--	85	--	--	--	--	--	--	--
AUG												
21...	1.0	--	--	--	120	--	--	--	--	--	--	--
SEP												
27...	1.0	--	1.1	--	--	--	--	--	--	23	--	--

541

DATE	METHY- LENE FLUE ACTIVE SUB- STANCE (MG/L) (38260)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML) (60050)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L) (85209)	SESTON, TOTAL (MG/L) (71100)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70958)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT CHARGE, SUS- PENDED (T/DAY) (80155)	

284950082082001 - LITTLE JONES CREEK AT MOUTH (LAT 28 49 50 LONG 082 08 20.01)

[illegible]

285033082074901 - LITTLE JONES CR 1.2MI UPSTREAM FROM MOUTH (LAT 28 50 33 LONG 082 07 49.01)

[illegible]

[illegible]

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

OCT	1978																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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[illegible]

285157082055201 - LITTLE JONES CREEK .3 MILE BELOW SPRING (LAT 28 51 57 LONG 082 05 52.01)

[illegible]

SURFACE WATER QUALITY RECORDS

Phytoplankton and Benthic Invertebrate Analysis

02269200 CROOKED LAKE NR BABSON PARK, FLA.
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MAY 1979

DATE TIME	OCT 27,78 1110	MAY 23,79 1820
TOTAL CELLS/ML	98000	1500
DIVERSITY: DIVISION	0.2	1.2
..CLASS	0.2	1.2
...ORDER	0.7	2.0
....FAMILY	1.2	2.2
.....GENUS	1.3	2.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....OOCYSTACEAE				
.....ANKISTRODESMUS	1100	1	130	9
.....SELENASTRUM	*	0	--	-
...SCENEDESMACEAE				
....CRUCIGENIA	*	0	77	5
....SCENEDESMUS	*	0	230#	16
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	--	-	13	1
..ZYGNEMATALES				
...DESMIDIACEAE				
....CLOSTERIUM	*	0	--	-
....COSMARIUM	*	0	26	2
CHRYSTOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCEAE				
....CYCLOTELLA	*	0	--	-
....MELOSIRA	*	0	26	2
..PENNALES				
...TABELLARIACEAE				
....TABELLARIA	*	0	51	3
..CHRYSTOPHYCEAE				
...CHRYSOMONADALES				
...MALLONADACEAE				
....MALLONAS	*	0	--	-
...OCHROMONADACEAE				
....OCHROMONAS	*	0	--	-
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
....CRYPTOMONADACEAE				
.....CRYPTOMONAS	--	-	13	1
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
.....ANACYSTIS	9900	10	280#	19
...HORMOGONALES				
...NOSTOCACEAE				
....CYLINDROSPERMUM	75000#	77	--	-
...OSCILLATORIACEAE				
....LYNGBYA	5100	5	640#	43
....OSCILLATORIA	4700	5	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02270550 LAKE JACKSON AT SEBRING, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MAY 1979

545

DATE	MAR 20,79	MAY 31,79
TIME	1345	1330
TOTAL CELLS/ML	3600	23000
DIVERSITY: DIVISION	1.6	0.1
..CLASS	1.6	0.1
..ORDER	1.6	0.2
...FAMILY	1.7	0.2
....GENUS	1.7	0.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
...CHARACTACEAE				
....SCHROEDERIA	1400#	40	*	0
...HYDRODICTYACEAE				
...PEDIASTRUM	--	-	*	0
...OOCYSTACEAE				
....ANKISTRODESMUS	--	-	*	0
...SELENASTRUM	19	1	*	0
...SCENEDESMACEAE				
....SCENEDESMUS	38	1	--	-
..TETRASPORALES				
...COCOCCYXACEAE				
....ELAKATOTHRIX	--	-	*	0
...PALMELLACEAE				
....SPHAEROCYSTIS	--	-	210	1
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	--	-	*	0
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	19	1	--	-
...PENNALES				
...NAVICULACEAE				
....NAVICULA	57	2	--	-
...NITZSCHACEAE				
....NITZSCHIA	19	1	--	-
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
...CRYPTOMONADACEAE				
....CRYPTOMONAS	320	9	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
....ANACYSTIS	1700#	46	190	1
...HORMOGONALES				
...NOSTOCACEAE				
....ANABAENA	--	-	23000#	97
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....TRACHELOMONAS	38	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02296750 PEACE RIVER AT ARCADIA, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 3.78 0930	NOV 28.78 0800	JAN 30.79 0900	JUN 5.79 0830	JUL 2.79 0700	SEP 5.79 1100
TOTAL CELLS/ML	1100	200	160000	580000	36000	140000
DIVERSITY: DIVISION	1.2	1.0	1.0	0.5	0.8	0.1
..CLASS	1.2	1.0	1.0	0.5	0.8	0.1
...ORDER	1.3	1.0	2.0	1.2	1.5	1.1
...FAMILY	1.5	1.3	2.3	1.7	1.7	1.1
...GENUS	1.8	1.3	3.0	2.0	1.8	1.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
..CHLOROPHYCEAE												
...CHLOROCOCCALES												
...CHLOROCOCCACEAE												
...CHLOROCOCCUM	--	-	--	-	--	-	--	-	--	-	*	0
...HYDRODICTYACEAE												
...PEDIASTRUM	37	3	--	-	5300	3	14000	2	2800	8	--	-
...OOCYSTACEAE												
...ANKISTRODESMUS	--	-	--	-	--	-	*	0	--	-	--	-
...DICTYOSPHAERIUM	--	-	--	-	7300	5	--	-	--	-	--	-
...SELENASTRUM	--	-	--	-	--	-	*	0	--	-	--	-
...WESTELLA	--	-	--	-	3500	2	--	-	--	-	--	-
...SCENEDESMACEAE												
...SCENEDESMUS	350#	32	120#	57	3800	2	19000	3	4500	13	900	1
...TETRASPORALES												
...TETRASPORACEAE												
...TETRASPORA	--	-	--	-	23000	14	--	-	--	-	--	-
...VOLVOCALES												
...CHLAMYDOMONADACEAE												
...CHLAMYDOMONAS	*	0	--	-	--	-	--	-	--	-	--	-
CHRYSOPHYTA												
..BACILLARIOPHYCEAE												
...CENTRALES												
...COSCINODISCACEAE												
...CYCLOTELLA	--	-	--	-	3700	2	*	0	*	0	*	0
...MELOSIIRA	--	-	--	-	--	-	*	0	--	-	--	-
...PENNALES												
...ACHNANTHACEAE												
...ACHNANTHES	--	-	--	-	--	-	--	-	--	-	*	0
...FRAGILARIACEAE												
...FRAGILARIA	--	-	72#	36	--	-	8800	2	*	0	1000	1
...SYNEDRA	--	-	--	-	--	-	--	-	--	-	*	0
...GOMPHONEMATACEAE												
...GOMPHONEMA	*	0	--	-	--	-	--	-	--	-	--	-
...NAVICULACEAE												
...NAVICULA	16	1	--	-	*	0	--	-	--	-	*	0
...NITZSCHIA	21	2	14	7	--	-	*	0	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)												
..CYANOPHYCEAE												
...CHROOCOCCALES												
...CHROOCOCCACEAE												
...AGMENELLUM	--	-	--	-	24000	15	120000#	21	660	2	--	-
...ANACYSTIS	11	1	--	-	29000#	18	21000	4	8900#	25	52000#	38
...HORMOGONALES												
...NOSTOCACEAE												
...ANABAENA	--	-	--	-	1500	1	18000	3	--	-	--	-
...ANABAENOPSIS	--	-	--	-	1300	1	--	-	--	-	--	-
...OSCILLATORIACEAE												
...LYNGBYA	550#	51	--	-	15000	10	340000#	59	18000#	52	84000#	61
...OSCILLATORIA	85	8	--	-	43000#	26	11000	2	--	-	--	-
...RIVULARIACEAE												
...RAPHIIDIOPSIS	--	-	--	-	--	-	23000	4	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
...EUGLENACEAE												
...EUGLENA	--	-	--	-	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02298830 MYAKKA RIVER NR SARASOTA, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

547

DATE TIME	OCT 3,78 1015	NOV 28,78 1242	JAN 30,79 1045	APR 3,79 1100
TOTAL CELLS/ML	38000	18000	760	1100
DIVERSITY: DIVISION	0.2	1.4	1.0	0.8
..CLASS	0.2	1.4	1.0	0.8
..ORDER	0.2	2.1	1.9	1.4
...FAMILY	0.3	2.3	2.1	1.5
....GENUS	0.3	0.0	2.6	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHARACIACEAE								
....SCHROEDERIA	--	-	* 0		--	-	--	-
...CHLOROCOCCACEAE								
....CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	* 0		1300	7	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	* 0		320	2	5	1	13	1
....CHLORELLA	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	* 0		--	-	--	-
....OOCYSTIS	--	-	* 0		--	-	--	-
....SELENASTRUM	* 0		150	1	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....SCENEDESMUS	* 0		170	1	71	9	100	10
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE			450	2	--	-	--	-
....CHLAMYDOMONAS	* 0		--	-	25	3	64	6
....CHLOROGONIUM	--	-	--	-	--	-	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....STAUSTRUM	--	-	--	-	10	1	--	-
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA					110	14	--	-
....MELOSIRA	780	2	650	4	300#	39	--	-
...STEPHANODISCUS	--	-	--	-	--	-	--	-
..PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	--	-	--	-	--	-	--	-
...COCCONEIS	--	-	--	-	10	1	--	-
...CYMBELLACEAE								
....CYMBELLA	--	-	--	-	5	1	--	-
...FRAGILARIACEAE								
....FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	* 0		15	2	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	5900#	32	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	--	-	--	-	--	-
...NITZSCHACEAE								
....NITZSCHIA	* 0		< 0		150#	20	13	1
..CHRYSTOPHYCEAE								
...CHRYSONOMADALES								
...MALLOMONADACEAE								
....MALLOMONAS	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02298830 MYAKKA RIVER NR SARASOTA, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 3,78 1015		NOV 28,78 1242		JAN 30,79 1045		APR 3,79 1100	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	100	10
....ANACYSTIS	*	0	2400	13	55	7	--	-
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	750#	71
....APHANIZOMENON	--	-	6700#	37	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	*	0	--	-	--	-	--	-
....OSCILLATORIA	37000#	97	--	-	--	-	--	-
....SCHIZOTHRIX	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	*	0	--	-	5	1	13	1
....EUTREPTIA	--	-	--	-	--	-	--	-
....PHACUS	--	-	--	-	--	-	--	-
....TRACHELOMONAS	*	0	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

02298830 MYAKKA RIVER NR SARASOTA, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

549

DATE TIME	JUN 5,79 1030	JUN 26,79 1115	SEP 5,79 1015
TOTAL CELLS/ML	1400	30000	1100
DIVERSITY: DIVISION	1.7	1.1	1.8
..CLASS	1.7	1.1	1.8
...ORDER	2.0	1.6	2.5
...FAMILY	2.5	1.7	3.0
....GENUS	2.8	1.8	3.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHARACIACEAE						
....SCHROEDERIA	--	-	--	-	--	-
...CHLOROCOCCACEAE						
....CHLOROCOCCUM	--	-	--	-	*	0
...COELASTRACEAE						
....COELASTRUM	--	-	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	20	2
...MICRACTINIACEAE						
....GOLENKINIA	13	1	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	100	7	400	1	51	5
....CHLORELLA	--	-	--	-	30	3
....KIRCHNERIELLA	--	-	--	-	20	2
....OOCYSTIS	52	4	--	-	--	-
...SELENASTRUM	130	9	540	2	--	-
...TETRAEDRON	--	-	*	0	*	0
...SCENEDESMACEAE						
....SCENEDESMUS	280#	20	3900	13	120	11
...TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX	--	-	*	0	--	-
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	270	1	*	0
...CHLOROGONIUM	--	-	*	0	--	-
...ZYGNEMATALES						
...DESMIDIACEAE						
....STAUSTRUM	--	-	--	-	--	-
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISCACEAE						
....CYCLOTELLA	13	1	1500	5	--	-
....MELOSIRA	--	-	*	0	300#	27
...STEPHANODISCUS	26	2	--	-	--	-
...PENNALES						
....ACHNANTHACEAE						
....ACHNANTHES	--	-	--	-	*	0
....COCCONEIS	--	-	--	-	--	-
...CYMBELLACEAE						
....CYMBELLA	--	-	--	-	10	1
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	*	0
....SYNEDRA	--	-	*	0	35	3
...GOMPHONEMATAACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	13	1	--	-	30	3
...NITZSCHIA						
....NITZSCHIA	270#	19	270	1	35	3
..CHRYSTOPHYCEAE						
...CHRYSONOMADALES						
...MALLOMONADACEAE						
....MALLOMONAS	--	-	*	0	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	*	0	*	0
...CRYPTOMONADACEAE						
....CRYPTOMONAS	39	3	--	-	20	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02298830 MYAKKA RIVER NR SARASOTA, FLA.
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUN 5,79 1030		JUN 26,79 1115		SEP 5,79 1015	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	--	-
....ANACYSTIS	39	3	1900	7	150	14
...HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	--	-
....OSCILLATORIA	450#	31	20000#	68	--	-
....SCHIZOTHRIX	--	-	--	-	240#	21
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	13	1	*	0	--	-
....EUTREPTIA	--	-	--	-	*	0
....PHACUS	--	-	*	0	15	1
....TRACHELOMONAS	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02301500 ALAFIA RIVER AT LITHIA, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

551

DATE TIME	OCT 3,78 1430	NOV 28,78 1515	JAN 30,79 1350	APR 3,79 1400
TOTAL CELLS/ML	110	58	69	52
DIVERSITY: DIVISION	1.2	0.0	1.4	0.0
..CLASS	1.2	0.0	1.4	0.0
...ORDER	1.2	0.0	1.4	0.0
...FAMILY	1.5	0.0	1.8	0.0
....GENUS	1.6	0.8	1.8	0.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
.....CHLOROCOCCUM	--	-	--	-	--	-	--	-
....OOCYSTACEAE								
.....ANKISTRODESMUS	2	2	--	-	8	11	--	-
....CHLORELLA	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-
....SCENEDESMACEAE								
.....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	18#	17	--	-	31#	44	--	-
....TETRASTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
....COSCINODISACEAE								
.....CYCLOTELLA	--	-	--	-	--	-	--	-
...PENNALES								
....ACHNANTHACEAE								
.....ACHNANTHES	--	-	14#	25	--	-	--	-
....COCONEIS	4	3	43#	75	--	-	52#	100
....FRAGILARIACEAE								
.....FRAGILARIA	--	-	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	--	-	--	-
....GOMPHONEMACEAE								
.....GOMPHONEMA	--	-	--	-	--	-	--	-
....NAVICULACEAE								
.....GYROSIGMA	2	2	--	-	--	-	--	-
....NAVICULA	7	7	--	-	--	-	--	-
....NITZSCHIA	4	3	--	-	15#	22	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....ANACYSTIS	--	-	--	-	15#	22	--	-
...HORMOGONALES								
....NOSTOCACEAE								
.....ANABAENA	--	-	--	-	--	-	--	-
....OSCILLATORIA								
.....OSCILLATORIA	71#	67	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	--	-	--	-	--	-	--	-
....EUTREPTIA	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02301500 ALAFIA RIVER AT LITHIA, FLA.
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUN 5,79 1400	JUN 26,79 0000	SEP 5,79 1330			
TOTAL CELLS/ML	120	140	1700			
DIVERSITY: DIVISION	0.0	0.8	1.1			
..CLASS	0.0	0.8	1.1			
...ORDER	0.8	1.1	1.2			
....FAMILY	0.8	1.3	1.5			
.....GENUS	0.8	1.3	1.8			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE						
.....CHLOROCOCCUM	--	-	--	-	10	1
...OOCYSTACEAE						
....ANKISTRODESMUS	--	-	--	-	46	3
....CHLORELLA	--	-	--	-	20	1
....DICTYOSPHAERIUM	--	-	--	-	20	1
....TETRAEDRON	--	-	--	-	20	1
...SCENEDESMACEAE						
....CRUCIGENIA	--	-	--	-	15	1
....SCENEDESMUS	--	-	--	-	100	6
....TETRASTRUM	--	-	--	-	20	1
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISCACEAE						
.....CYCLOTELLA	--	-	13	9	36	2
...PENNIALES						
....ACHNANTHACEAE						
.....ACHNANTHES	--	-	--	-	--	-
....COCCONEIS	--	-	--	-	10	1
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	66	4
....SYNEURA	--	-	--	-	20	1
...GOMPHONEMACEAE						
....GOMPHONEMA	--	-	--	-	*	0
...NAVICULACEAE						
....GYROSIGMA	--	-	--	-	--	-
....NAVICULA	--	-	13	9	25	2
...NITZSCHIAEAE						
....NITZSCHIA	--	-	13	9	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOMONADACEAE						
.....CRYPTOMONAS	--	-	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
....CHROOCOCCACEAE						
.....ANACYSTIS	26#	22	100#	73	1200#	74
...HORMOGONALES						
....NOSTOCACEAE						
.....ANABAENA	90#	78	--	-	--	-
...OSCILLATORIAEAE						
....OSCILLATORIA	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
....EUGLENACEAE						
.....EUGLENA	--	-	--	-	*	0
....EUTREPTIA	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02301802 TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MAY 1979

553

DATE	OCT 27, 78	MAY 23, 79
TIME	1115	1245
TOTAL CELLS/ML	60000	3100
DIVERSITY: DIVISION	1.1	1.4
..CLASS	1.1	1.4
...ORDER	1.2	1.8
....FAMILY	1.8	2.1
.....GENUS	1.9	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....COELASTRACEAE				
.....COELASTRUM	1500	3	--	-
...MICRACTINIACEAE				
....MICRACTINIUM	--	-	90	3
...OOCYSTACEAE				
....ANKISTRODESMUS	1200	2	100	3
....CHODATELLA	*	0	--	-
....KIRCHNERIELLA	--	-	*	0
....OOCYSTIS	--	-	*	0
....TETRAEDRON	1700	3	--	-
...SCENEDESMACEAE				
....SCENEDESMUS	6500	11	440	14
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	380	1	26	1
...VOLVOCAEAE				
....PANDORINA	--	-	410	13
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
....COSCINODISCACEAE				
.....CYCLOTELLA	4000	7	64	2
....MELOSIRA	--	-	1600#	53
..PENNALES				
...NITZSCHACEAE				
....NITZSCHIA	*	0	--	-
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
....CRYPTOMONADACEAE				
.....CRYPTOMONAS	580	1	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
.....ANACYSTIS	--	-	220	7
...HORMOGONALES				
....NOSTOCACEAE				
.....CYLINDROSPERMUM	5000	8	--	-
...OSCILLATORIAEAE				
....OSCILLATORIA	38000#	64	--	-
EUGLENOPHYTA (EUGLENIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENACEAE				
.....EUGLENA	--	-	51	2
....PHACUS	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02301802 TAMPA BYPASS CANAL AT S-160, AT TAMPA, FL.
 BENTHIC INVERTEBRATE ANALYSES, OCTOBER 1978 TO DECEMBER 1978

DATE	DEC 15.78
TIME	1040
TOTAL COUNT	872
DIVERSITY: PHYLUM	1.1
..CLASS	1.8
...ORDER	2.1
...FAMILY	0.0
....GENUS	0.0
....GENUS-INSECTA	0.0

ORGANISM	COUNT
ANNELIDA	
..HIRUDINEA	
..UNKNOWN ORDER	16
..OLIGOCHAETA	
..UNKNOWN ORDER	96
ARTHROPODA (ARTHROPODS)	
..CRUSTACEA	
..AMPHIPODA	180
..INSECTA	
..DIPTERA	
...CHIRONOMIDAE	456
..EPHEMEROPTERA	20
..ODONATA	
...COENAGRIIDAE	8
...LIBELLULIDAE	4
..TRICHOPTERA	4
MOLLUSCA (MOLLUSCS)	
..GASTROPODA	
..BASOMMATOPHORA	
...ANCYLIDAE	28
..MESOGASTROPODA	
...HYDROBIIDAE	48
PLATYHELMINTHES (FLATWORMS)	
..TURBELLARIA	
..TRICLADIDA	
...UNKNOWN FAMILY	12

02303000 HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO AUGUST 1979

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DATE TIME	OCT 1115	4.78	NOV 1045	27.78	JAN 1000	30.79	MAR 1300	27.79
TOTAL CELLS/ML		300		43		180		110
DIVERSITY: DIVISION		0.9		0.9		1.4		1.5
..CLASS		0.9		0.9		1.4		1.5
...ORDER		1.3		0.9		1.7		1.9
...FAMILY		1.5		0.9		1.7		2.1
....GENUS		1.7		0.9		1.7		2.1
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...OOCYSTACEAE								
....ANKISTRODESMUS	7	2	--	-	--	-	--	-
....TREUBARIA	5	2	--	-	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	21	7	--	-	--	-	20#	19
....SCENEDESMUS	7	2	--	-	86#	49	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	10	6	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCAEAE								
....CYCLOTELLA	4	1	--	-	5	3	20#	19
...PENNALES								
....ACHNANTHACEAE								
....COCONEIS	4	1	--	-	--	-	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	14#	33	--	-	--	-
...NAVICULACEAE								
....GYROSIGMA	2	1	--	-	--	-	--	-
....NAVICULA	7	2	--	-	--	-	5	5
...NITZSCHACEAE								
....NITZSCHIA	--	-	--	-	15	9	20#	19
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	14	5	--	-	--	-	40#	38
....ANACYSTIS	11	4	--	-	60#	34	--	-
...HORMOGONALES								
...OSCILLATORIAEAE								
....OSCILLATORIA	210#	72	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....TRACHELOMONAS	--	-	29#	67	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	2	1	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02303000 HILLSBOROUGH RIVER NR ZEPHYRHILLS, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO AUGUST 1979

DATE TIME	JUN 4,79 1015	JUN 26,79 1230	AUG 28,79 1510
TOTAL CELLS/ML	0	90	60
DIVERSITY: DIVISION	0.0	0.6	1.0
..CLASS	0.0	0.6	1.0
...ORDER	0.0	0.6	1.4
...FAMILY	0.0	0.6	2.1
....GENUS	0.0	0.6	2.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....OOCYSTACEAE						
.....ANKISTRODESMUS	--	-	--	-	5	8
.....TREUBARIA	--	-	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	--	-	--	-	--	-
....SCENEDESMUS	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	--	-
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCAEAE						
....CYCLOTELLA	--	-	13	14	5	8
..PENNALES						
...ACHNANTHACEAE						
....COCCONEIS	--	-	--	-	5	8
...GOMPHONEMATAEAE						
....GOMPHONEMA	--	-	--	-	5	8
...NAVICULACEAE						
....GYROSIGMA	--	-	--	-	--	-
....NAVICULA	--	-	--	-	30#	50
...NITZSCHIAEAE						
....NITZSCHIA	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
....CHROOCOCCACEAE						
.....AGMENELLUM	--	-	--	-	--	-
.....ANACYSTIS	--	-	77#	86	10#	17
...HORMOGONALES						
....OSCILLATORIAEAE						
.....OSCILLATORIA	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
....EUGLENACEAE						
.....TRACHELOMONAS	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...PERIDINIALES						
....GLENODINIACEAE						
.....GLENODINIUM	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

DATE TIME	OCT 26,78 1100	MAY 25,79 1330
TOTAL CELLS/ML	1400000	360000
DIVERSITY: DIVISION	0.5	0.7
..CLASS	0.5	0.7
..ORDER	1.0	1.6
...FAMILY	1.2	2.4
....GENUS	2.0	2.8

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....COELASTRACEAE				
....COELASTRUM	*	0	5200	1
...MIRACTINIACEAE				
....GOLKINIA	*	0	--	-
...MIRACTINIUM	*	0	--	-
...OOCYSTACEAE				
....ANKISTRODESMUS	8000	1	2300	1
....CHODATELLA	*	0	--	-
....GLOEOACTINIUM	*	0	*	0
....KIRCHNERIELLA	*	0	*	0
....OOCYSTIS	*	0	--	-
....SELENASTRUM	12000	1	2600	1
....TETRAEDRON	*	0	*	0
....TREUBARIA	*	0	--	-
...SCENEDESMACEAE				
....SCENEDESMUS	55000	4	34000	9
..TETRASPOALES				
...PALMELLACEAE				
....SPHAEROCYSTIS	*	0	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	*	0	*	0
....CHLOROGONIUM	*	0	--	-
...PHACOTACEAE				
....PTEROMONAS	*	0	*	0
..ZYGNEMATALES				
...DESMIDIACEAE				
....COSMARIUM	*	0	--	-
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
....COSCINODISCACEAE				
....CYCLOTHELLA	14000	1	3200	1
....MELOSIRA	--	-	*	0
....STEPHANODISCUS	--	-	*	0
..PENNALES				
...FRAGILARIACEAE				
....FRAGILARIA	*	0	*	0
...NITZSCHACEAE				
....NITZSCHIA	*	0	3900	1
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
....CRYPTOMONADACEAE				
....CRYPTOMONAS	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
....AGMENELLUM	360000#	25	7100	2
....ANACYSTIS	810000#	57	130000#	36
...HORMOGONALES				
....NOSTOCACEAE				
....ANABAENA	*	0	26000	7
....ANABAENOPSIS	11000	1	--	-
....CYLINDROSPERMUM	39000	3	--	-
...OSCILLATORIACEAE				
....LYNGBYA	49000	3	19000	5
....OSCILLATORIA	29000	2	77000#	21
...RIVULARIACEAE				
....RAPHIDIOPSIS	--	-	46000	13
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENACEAE				
....EUGLENA	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02303300 FLINT CREEK NR THONOTOSASSA, FLA.
 BENTHIC INVERTEBRATE ANALYSES, OCTOBER 1978 TO DECEMBER 1978

DATE	DEC 14, 78
TIME	1715

TOTAL COUNT	7464
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DIVERSITY: PHYLUM	0.0
..CLASS	0.2
...ORDER	0.2
....FAMILY	0.0
.....GENUS	0.0
.....GENUS-INSECTA	0.0

ORGANISM	COUNT
ARTHROPODA (ARTHROPODS)	
..CRUSTACEA	
...AMPHIPODA	180
..INSECTA	
...DIPTERA	
....CERATOPOGONIDAE=HELEIDAE	4
....CHIRONOMIDAE	7256
...EPHEMEROPTERA	12
..ODONATA	
....COENAGRIIDAE	4
...TRICHOPTERA	8

DATE	OCT 26, 78
TIME	1045
TOTAL CELLS/ML	220000
DIVERSITY: DIVISION	0.1
..CLASS	0.1
...ORDER	0.2
...FAMILY	0.3
....GENUS	1.4

ORGANISM	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
....OOCYSTACEAE		
....OOCYSTIS	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
..TETRASPORALES		
...COCCOMYXACEAE		
....ELAKATOTHRIX	*	0
...PALMELLACEAE		
....SPHAEROCYSTIS	1300	1
..ZYGNEMATALES		
...DESMIDIACEAE		
....COSMARIMUM	*	0
....SPONDYLISUM	*	0
CHRYSOPHYTA		
..HACILLARIOPHYCEAE		
...CFNTHALES		
...COSCINODISCACEAE		
....CYCLOTELLA	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
..CYANOPHYCEAE		
...CHROOCOCCALES		
....CHROOCOCCACEAE		
....AGMENELLUM	91000#	41
....ANACYSTIS	120000#	54
....COCCOCHLORIS	6000	3
...HOMOGONALES		
...OSCILLATORIA		
....OSCILLATORIA	4400	2
PYRRHOPHYTA (FIRE ALGAE)		
..DINOPHYCEAE		
...PERIDINIALES		
...UNKNOWN FAMILY		
...UNKNOWN GENUS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02313000 WITHLACOOCHIE RIVER NR HOLDER, FLA.
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	NOV 28.78 1300	FER 28.79 1400	MAY 16.79 1600	JUN 26.79 1100				
TOTAL CELLS/ML	97	29	0	120				
DIVERSITY: DIVISION	2.0	1.0	0.0	0.8				
..CLASS	2.2	1.0	0.0	0.8				
..ORDER	2.2	1.0	0.0	1.5				
...FAMILY	2.2	1.0	0.0	1.9				
....GENUS	2.5	1.0	0.0	1.9				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...OOCYSTACEAE								
....ANKISTRODESMUS	14	14	--	--	--	--	--	--
....CHLORELLA	--	--	--	--	--	--	--	--
....KIRCHNERIELLA	14	14	--	--	--	--	--	--
...SCENEDESMACEAE								
....SCENEDESMUS	--	--	--	--	--	--	--	--
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	--	--	--	--	--	26#	22
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCEAE								
....CYCLOTELLA	--	--	--	--	--	--	39#	33
....THALASSIOSIRA	--	--	--	--	--	--	--	--
...PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	--	--	14#	50	--	--	--	--
...COCCONEIS	14	14	--	--	--	--	13	11
...FRAGILARIACEAE								
....SYNEDRA	--	--	--	--	--	--	--	--
...GOMPHONEMACEAE								
....GOMPHONEMA	--	--	--	--	--	--	--	--
...NAVICULACEAE								
....NAVICULA	--	--	--	--	--	--	--	--
...NITZSCHACEAE								
....NITZSCHIA	--	--	--	--	--	--	39#	33
...TABELLARIACEAE								
....TABELLARIA	--	--	--	--	--	--	--	--
..CHRYSOPHYCEAE								
...CHRYSONOMADALES								
...CHROMULINACEAE								
....AMPHICHRYSIS	14	14	--	--	--	--	--	--
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	--	--	--	--	--	--	--
...CRYPTOMONADACEAE								
....CRYPTOMONAS	14	14	--	--	--	--	--	--
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	--	--	--	--	--	--	--	--
...HORMOGONALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	--	--	--	--	--	--	--	--
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	--	--	--	--	--	--	--
....TRACHELOMONAS	28#	29	14#	50	--	--	--	--

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

DATE TIME	JUL 26,79 1300	AUG 22,79 1300	SEP 12,79 1030
TOTAL CELLS/ML	210	3900	25
DIVERSITY: DIVISION	1.2	0.1	1.5
..CLASS	1.2	0.1	1.5
..ORDER	1.2	0.1	0.0
...FAMILY	1.2	0.1	0.0
....GENUS	1.2	0.1	0.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....OOCYSTACEAE						
.....ANKISTRODESMUS	13	6	--	-	--	-
.....CHLORELLA	--	-	--	-	2	9
.....KIRCHNERIELLA	--	-	--	-	--	-
...SCENEDESMACEAE						
....SCENEDESMUS	--	-	--	-	5#	18
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	--	-
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCAEAE						
....CYCLOTELLA	26	13	--	-	2	9
....THALASSIOSIRA	--	-	--	-	1	5
...PENNALES						
....ACHNANTHACEAE						
....ACHNANTHES	--	-	--	-	1	5
...COCCONEIS	--	-	--	-	--	-
...FRAGILARIACEAE						
....SYNEDRA	--	-	*	0	--	-
...GOMPHONEMATACEAE						
....GOMPHONEMA	--	-	--	-	2	9
...NAVICULACEAE						
....NAVICULA	--	-	*	0	5#	18
...NITZSCHIACEAE						
....NITZSCHIA	--	-	--	-	2	9
...TABELLARIACEAE						
....TABELLARIA	--	-	--	-	1	5
..CHRYSTOPHYCEAE						
...CHRYSONOMADALES						
...CHROMULINACEAE						
....AMPHICHRYSIS	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE	--	-	--	-	1	5
...CRYPTOMONADALES						
....CRYPTOCHRYSIACEAE						
.....CHROOMONAS	13	6	--	-	--	-
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS	--	-	*	0	--	-
...HORMOGONALES						
...OSCILLATORIACEAE						
....OSCILLATORIA	150#	75	3900#	99	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	2	9
....TRACHELONAS	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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