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U.S. Geological Survey

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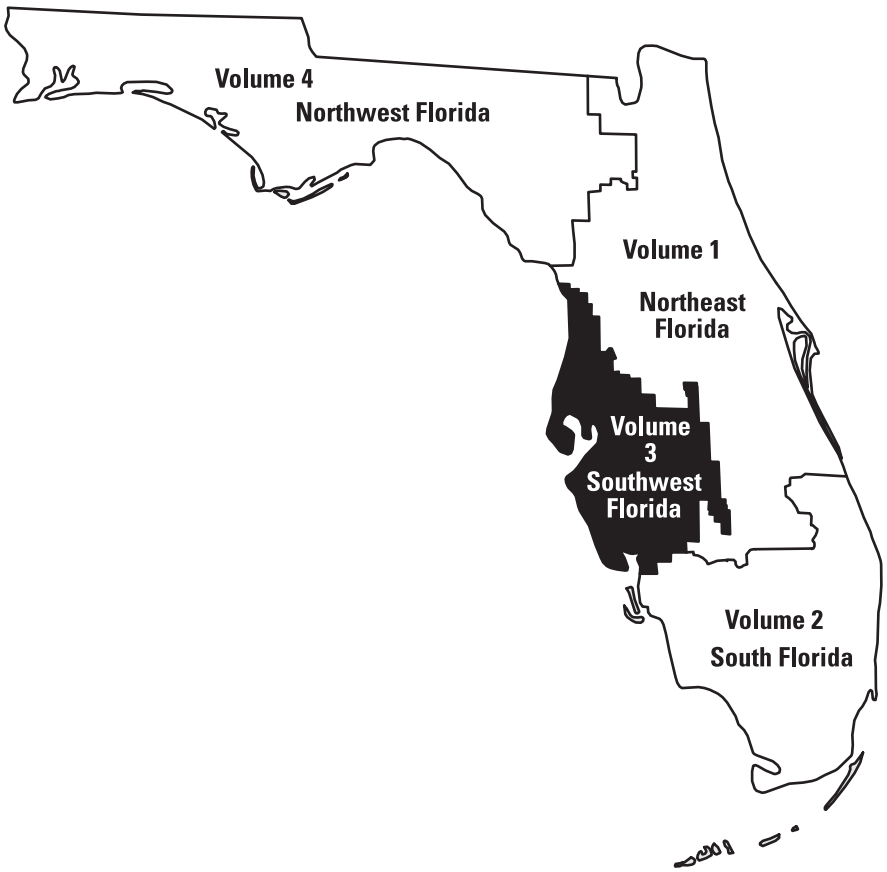
Volume 3A. Southwest Florida Surface Water

Water-Data Report FL-01-3A



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UNITED STATES DEPARTMENT OF THE INTERIOR

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2002

PREFACE

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

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by J. M. Todd, and the Summary of Hydrologic Conditions was prepared by S. L. Lane under the supervision of Y. E. Stoker, R. L. Kane, and W. L. Fletcher. The following individuals contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2001 water year in Florida consist of continuous or daily discharges for 406 streams, periodic discharge for 12 streams, continuous daily stage for 142 streams, periodic stage for 12 streams, peak stage and discharge for 37 streams, continuous or daily elevations for 11 lakes, periodic elevations for 30 lakes; continuous ground-water levels for 424 wells, periodic ground-water levels for 1,426 wells, and quality-of-water data for 80 surface-water sites and 245 wells.

The data for Southwest Florida include records of stage, discharge, and water quality of streams; stage, contents, water quality of lakes and reservoirs, and water levels and water quality of ground-water wells. Volume 3A contains continuous or daily discharge for 83 streams, periodic discharge for 10 streams, continuous or daily stage for 43 streams, peak stage and discharge for 8 streams, continuous or daily elevations for 2 lakes, periodic elevations for 26 lakes, and quality-of-water data for 37 surface-water sites.

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.

14. SUBJECT TERMS

*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.

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

NOTE.--Data for partial-record stations and miscellaneous sites for both surface-water discharge and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[Letters after station name designate type of data collected: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (k) conductance, (t) water temperature, (s) sediment, (e) elevation, gage heights, or contents, (do) oxygen dissolved, (pH) whole field units.]

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Arbuckle Creek:		
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Lake Josephine near De Soto City (e)	02270650	357
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Lake Idylwild:		
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Anclote River near Elfers (d)	02310000	332
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Crews Lake (head of Pithlachascotee River):		
Jumping Gully:		
Jumping Gully at Loyce (d)	02310240	334
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The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Florida have been discontinued. Daily streamflow or stage records were collected and published for the period, expressed in water years, shown for each station. Those stations with an asterick (*) after the station number are currently operated as crest-stage partial-record stations.

{Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)}

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
CHARLOTTE HARBOR AND COASTAL AREAS			
North Prong Alligator Creek near Punta Gorda, FL (d)	02293390	8.46	1975
PEACE RIVER BASIN			
Peace Creek Drainage Canal near Alturas, FL (d)	02293986	160	1947-71
(e)			1972-77
Williams Pond Clay Settling Area Outfall near Lakeland, FL (d)	280809081535800	0.80	1996-98
Lake Lulu Outlet at Eloise, FL (d)	02294068	23	1946-72
(e)			1972-73
Tenoroc Ditch (site 19) near Lakeland, FL (d)	280651081502900	---	1996-99
Tenoroc Ditch (site 11) near Lakeland, FL (d)	280634081513200	---	1996-99
Tenoroc Ditch (site 13) near Lakeland, FL (d)	280557081512300	---	1996-99
Tenoroc Ditch above Structure (site 17A) near Lakeland, FL (e)	280531081520500	---	1996-99
Tenoroc Ditch below Structure (site 17A) near Lakeland, FL (d,e)	280531081520501	---	1996-99
Tenoroc Ditch (site 17B) near Lakeland, FL (d)	280441081520200	---	1996-99
Tenoroc Ditch (site 20) near Lakeland, FL (d)	280242081531600	---	1996-99
Banana-Hancock Canal near Highland City, FL (d)	02294405	18.8	1986-92
Hog Branch near Wauchula, FL (d)	02295435	5.31	1969-75
Peace River at Wauchula, FL (e)	02295607	808	1970-72
Hickory Creek near Ona, FL (d)	02295755	3.75	1982-84
(e)			1982-84,1986-87
Oak Creek near Ona, FL (d, e)	02295850	15	1981-83
Little Charley Bowlegs Creek near Crewsville, FL (e)	02296180	21.2	1967-76
Little Charley Bowlegs Creek at SFL Rd near Sebring, FL (e)	02296191	30.6	1965-77
Little Charley Bowlegs Creek at Cott Rd near Sebring, FL (e)	02296207	38.1	1965-76
Little Charley Bowlegs Creek Abv Control near Sebring, FL (e)	02296222	41.9	1970-77
Little Charley Bowlegs Creek near Sebring, FL (d,e)	02296223	41.9	1952-83
West Fork Horse Creek near Myakka Head, FL (d)	02297153	13.5	1992-94
Brushy Creek near Lily, FL (d)	02297220	47.8	1992-95

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
PEACE RIVER BASIN--continued			
Brandy Branch near Pine Level, FL (d)	02297272	15.1	1992-95
Buzzard Roost Branch near Pine Level, FL (d)	02297290	28.7	1992-95
Peace River near Fort Ogden, FL (e)	02297340	1790	1964-65
Mossy Gully Tributary at St Hwy 70 near Arcadia, FL (d) (e)	02297733	6.64	1981 1973-81
Cow Slough near Arcadia, FL (e)	02297875	14.4	1972-78
MYAKKA RIVER BASIN			
Myakka River at SR 780 near Verna, FL (d)	02298700	165	1989-91
Howard Creek near Sarasota, FL (d)	02298760	20.0	1983-95
Myakka River Bel Upper Myakka Lake near Sarasota, FL (d)	02298805	219	1946-51
Myakka River Bel Lower Myakka Lake near Sarasota, FL (d)	02298850	240	1946-51
Myakka River at Control near Laurel, FL (e)	02298880	253	1986-92
Windom Slough near North Port Charlotte, FL (e)	270914082213700	---	1997
Myakka River near Laurel, FL (e)	02298900	258	1985-92
Big Slough near Murdock, FL (d)	02299470	92.5	1963-72
COASTAL AREA BETWEEN MYAKKA AND MANATEE RIVERS			
Tributary to Rock Creek near Englewood, FL (d)	02299680	a2.8	1991-93
Tributary to Gottfried Creek near Englewood, FL (d)	02299681	1.77	1991-93
Forked Creek near Englewood, FL (d)	02299684	a3.4	1991-93
South Creek near Vamo, FL (d)	02299737	15.4	1991-93
Catfish Creek near Osprey, FL (d)	02299741	4.77	1992-93
Clower Creek at Vamo, FL (d)	02299742	0.35	1991-93
MANATEE RIVER BASIN			
Phillippi Creek near Sarasota, FL (d,e)	02299750	24	1963-68 1980-81
Manatee River at Devil's Elbow near Ft. Hamer, FL (e)	02300009	139	1997-98
Manatee River at Fort Hamer, FL (e)	02300021	216	1997-98
Tributary No. 1 to Cooper Creek near Lorraine, FL (d)	02300036	4.3	1994-97

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
MANATEE RIVER BASIN--continued			
Williams Creek near Bradenton, FL (d)	02300052	a2.7	1994-97
Gap Creek near Bradenton, FL (d)	02300056	a7.2	1995-97
Glen Creek near Bradenton, FL (d)	02300062	a2.5	1995-97
COASTAL AREA BETWEEN MYAKKA RIVER AND ALAFIA RIVERS			
Cow Pen Slough near Bee Ridge, FL (d)	02299700	38	1963-66
Phillippi Creek near Bee Ridge, FL (d)	02299780	31.1	1994-97
Phillippi Creek at Hayden, FL (d)	02299807	53	1975-77
Whitaker Bayou at Sarasota, FL (d)	02299864	7.0	1975-77
Manatee River near Bradenton, FL (d)	02300000	87.1	1939-66
LITTLE MANATEE RIVER BASIN			
Alderman Creek near Ft. Lonesome, FL (d,e)	02300096	9.4	1981-85
Carlton Branch near Wimauma, FL (d,e)	02300130	7.86	1988-89
South Fork Little Manatee River near Wimauma, FL (d,e)	02300300	38.4	1988-89
Dug Creek near Wimauma, FL (d,e)	02300430	3.66	1988-89
Cypress Creek near Wimauma, FL (d)	02300530	8.1	1981-91
Unnamed Tributary at Hwy 674 near Ft. Lonesome, FL (d)	02300093	---	1983-87 1989-90
ALAFIA RIVER BASIN			
Mizell Creek near Keysville, FL (d)	02301314	3.69	1975-76
Little Alafia River near Hopewell, FL (d) (e)	02301350	8.65	1966-79 1974-82
Edward Medard Reservoir at Pleasant Grove, FL (e)	02301368	19.6	1970-95
Turkey Creek near Durant, FL (d) (e)	02301400	14.2	1966 1963-65
TAMPA BAY AND COASTAL AREAS			
Buckhorn Creek near Brandon, FL (d)	02301695	7.12	1986-91
Tampa Bypass Canal Above S-159 near Tampa, FL (e)	02301764	---	1983-90
Tampa Bypass Canal at S-162 near Tampa, FL (e)	02301778	---	1977-90
Tampa Bypass Canal at S-160 at Tampa, FL (d,e)	02301802	29	1974-90

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
TAMPA BAY AND COASTAL AREAS--continued			
Lake Magdalene Outlet near Lutz, FL (d)	02306289	2.2	1971-82
Tributary to Henry Street Canal at Dale Mabry Highway at Tampa, FL (e)	02306651	---	1992-93
Al Lopez Park Outflow at Tampa, FL (d)	02306660	1.5	1993-95
Brushy Creek near Tampa, FL (d) (e)	02306910	7.16	1981-87 1988-91
Upper Double Branch West Fork near Oldsmar, FL (e)	280228082384200	---	1994-96
Brooker Creek near Lake Fern, FL (d)	02307323	a17	1970-94
Alligator Creek below Belcher Road at Clearwater, FL (d)	02307668	3.67	1996
Alligator Creek below U.S. Highway 19 at Clearwater, FL (d)	02307671	6.17	1982-87 1996
Alligator Creek Tributary at Clearwater, FL (d)	02307672	.27	1986-87
Alligator Creek at Clearwater, FL (d)	02307673	6.73	1980-87 1996
Allen Creek near Largo, FL (d)	02307731	1.88	1947-51
HILLSBOROUGH RIVER BASIN			
Sixmile Creek at Buffalo Avenue, near Tampa, FL (e)	02301780	16	1970-71
Sixmile Creek at Tampa, FL (d)	02301800	28	1957-74
Sixmile Creek Below S-160 at Tampa, FL (e)	02301804	---	1979-87
Hillsborough River Below Crystal Springs, FL (d,e)	02302010	---	1984
New River near Zephyrhills, FL (d) (e)	02303100	15	1964-74 1979-81
Westside Canal at Plant City, FL (d)	02303174	2.0	1985-86
Pemberton Creek at Wallace Branch Road near Plant City, FL (d)	02303180	7.23	1992-94
Baker Creek near Thonotosassa, FL (e)	02303271	58	1971-74
Flint Creek near Thonotosassa, FL (d)	02303300	60	1971-91
Trout Creek Tributary near Worthington Gardens, FL (e)	02303344	---	1974-81
Morris Bridge Backwash Pond Outflow near Tampa, FL (d,e)	02303351	---	1982-88
Hillsborough River at STR S-155 near Thonotosassa, FL (e)	02303354	410	1982-90
Cypress Creek near Darby, FL (d)	02303358	7.11	1975

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
HILLSBOROUGH RIVER BASIN--continued			
Cypress Creek near Drexel, FL (d)	02303408	73.2	1977-81
Hanna Lake Outlet near Lutz, FL (d)	02303500	.74	1946-51
Hillsborough River at Fowler Avenue near Temple Terrace, FL (e)	02304000	630a	1961-98
Hutchins Lake Outlet near Lutz, FL (d)	02305000	2.7	1946-52
Drainage Ditch at Bearss Avenue near Sulphur Springs, FL (d)	02305500	12	1946-56
Curiosity Creek near Sulphur Springs, FL (d)	02305780	1.37	1981-88
Drainage Ditch at Florida Ave. and Atlantic Blvd., near Sulphur Springs, FL (e)	02305800	14	1964-66
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER			
Saint Joe Creek at Lealman, FL (d)	02308931	2.00	1990-91
Saint Joe Creek at Pinellas Park, FL (d)	02308935	2.55	1984-91
Anclote River near Odessa, FL (d)	02309980	68.1	1983-94
Bear Creek at Plaza Drive near Hudson, FL (d,e)	02310352	29.2	1970-77
Crab Creek near Homosassa, FL (e)	02310652	---	1998
Crystal River near Crystal River, FL (d)	02310750	---	1964-77
Chassahowitzka River above Johnson Creek near Chassahowitzka, FL (e)	284254082362300	---	1997-98
Homosassa River at Homosassa, FL (e)	02310700	---	1997-98
COASTAL AREA BETWEEN HILLSBOROUGH RIVER AND WITHLACOOCHEE RIVER			
Old Tampa Bay at Rocky Point at Tampa, FL (e)	02306100	---	1971-74
Brooker Creek near Odessa, FL (d) (e)	02307243	10	1946-56 1971-74
Lake Tarpon Sink near Tarpon Springs, FL (e)	02307462	---	1971-73
Lake Tarpon Canal at S-551 near Oldsmar, FL (d,e)	02307498	60	1974-90
Old Tampa Bay at Safety Harbor, FL (e)	02307578	---	1963-72
Alligator Creek at Safety Harbor, FL (d,e)	02307697	9.0	1949-74 1979
Seminole Lake Outlet near Largo, FL (d)	02308889	14	1950-71
Unnamed Lake Outlet at St. Petersburg, FL (e)	02309011	0.18	1972-73
Innisbrook Canal near Crystal Beach, FL (e)	02309502	1.5	1972-74

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of Record
COASTAL AREA BETWEEN HILLSBOROUGH RIVER AND WITHLACOOCHEE RIVER--continued			
Anclote River near Tarpon Springs, FL (e)	02310166	104	1971-73
Bayou at Tarpon Springs, FL (e)	02310200	---	1971-73
Masaryktown Canal at US 41 near Masaryktown, FL (e)	02310225	---	1974-75
Pithlachascotee River at Rowan Road near New Port Richey, FL (e)	02310304	184	1983-86
Pithlachascotee River at Port Richey, FL (e)	02310310	195	1971-74
Bear Creek near Hudson, FL (d)	02310350	22	1965-70

a Approximately
--- Not determined

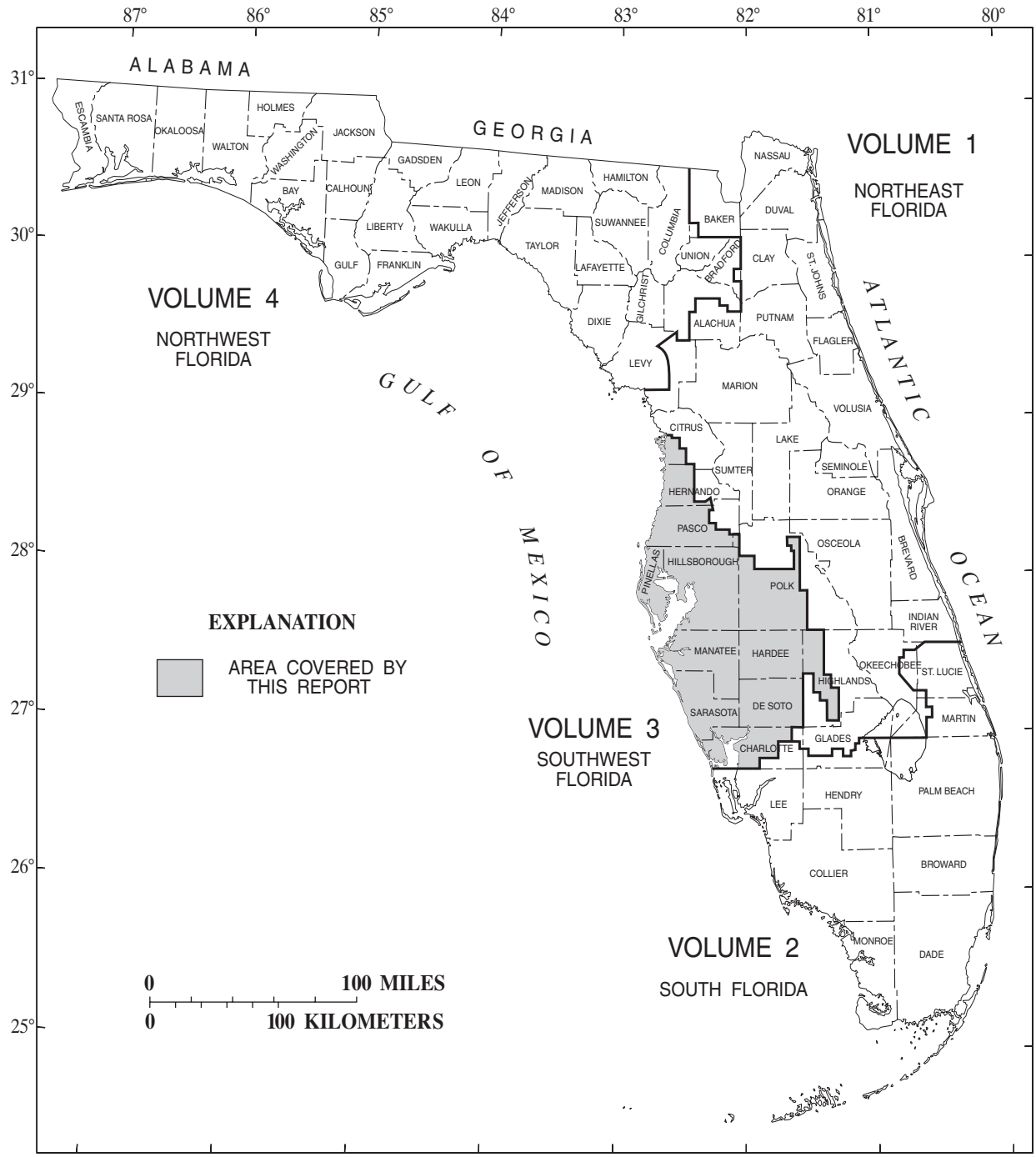


Figure 1.--Geographic area covered by this report.

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with local, State, and Federal agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Florida."

This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water level and water quality of estuaries; and water levels and water quality of ground-water wells. Volume 3A contains records for continuous daily discharge at 83 gaging stations; periodic discharge for 10 streams; continuous daily stage at 43 stream sites; peak stage and discharge at 8 stream sites; continuous daily elevations at 2 lakes; periodic elevations at 26 lakes; and water quality at 37 surface-water sites. Locations of these sites are shown on figure 1. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Florida.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the l975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage, and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-01-3A." For archiving and general distribution, the reports for l971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page or by telephone (850) 942-9500.

COOPERATION

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

Manatee County Department of Environmental Management
Southwest Florida Water Management District
Tampa Bay Water
County of Hillsborough
City of North Port
County of Manatee
Peace/Manasota Regional Water Supply Authority
County of Pinellas
County of Sarasota
City of Bradenton
City of Sarasota
City of Tampa
Florida Department of Environmental Protection

SUMMARY OF HYDROLOGIC CONDITIONS

During the 2001 water year, rainfall at 12 National Oceanic and Atmospheric Administration (NOAA) sites in southwest Florida (fig. 2) ranged from 45.84 inches at Punta Gorda in Charlotte County (site 23) to 61.40 inches at Parrish in Manatee County (site 18). The 2001 water year total rainfall was lower at 5 long-term sites and higher at 7 long-term sites than the 1961-90 normal rainfall. Total rainfall at the 12 sites ranged from 8.19 inches below normal at St. Leo in Pasco County (site 14) to 9.26 inches above normal at Parrish (site 18).

Monthly mean discharge for the Anclote River near Elfers (fig. 2, site 1) was below median flow for the the entire water year (fig.3). The 2001 water year annual mean discharge, 9.9 ft^3/s, was 16 percent of the mean for the period of record, 63.0 ft^3/s.

At Hillsborough River near Zephyrhills (fig. 2, site 2), monthly mean discharge was below the median flow through August then increased above the median through September (fig. 4). The 2001 water year annual mean discharge, 142 ft^3/s, was 59 percent of the mean for the period of record, 242 ft^3/s.

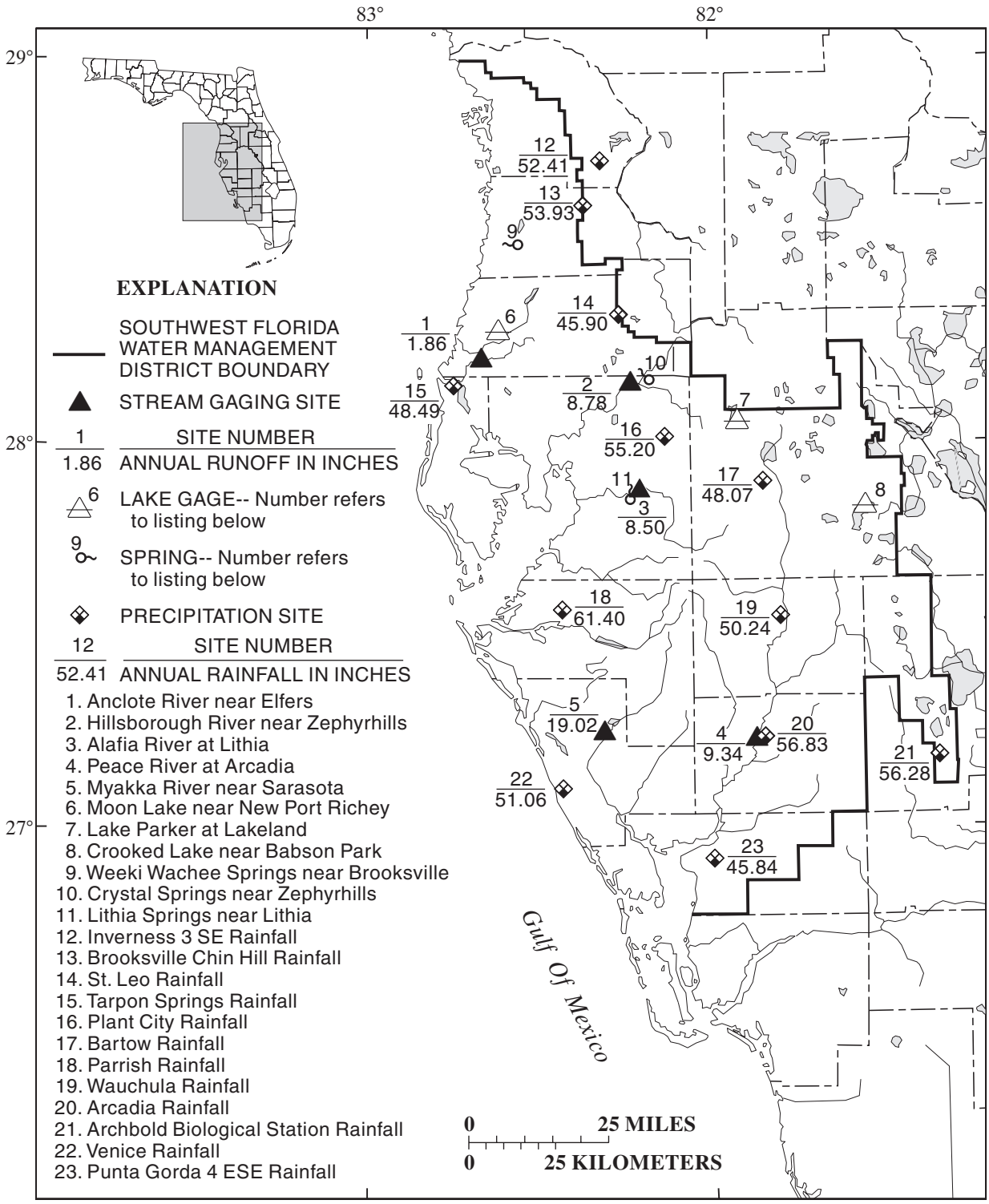
Monthly mean discharge at Alafia River at Lithia (fig. 2, site 3) was below the median discharge through June, then increased above the median through the end of the water year (fig. 5). The 2001 water year annual mean discharge, 210 ft^3/s, was 63 percent of the mean for the period of record, 335 ft^3/s.

Monthly mean discharge at Peace River at Arcadia (fig. 2, site 4) was below the median discharge through June, then increased above the median through the end of the water year (fig. 6). The 2001 water year annual mean discharge, 940 ft^3/s, was 88 percent of the mean for the period of record, 1,065 ft^3/s.

At Myakka River near Sarasota (fig. 2, site 5), monthly mean discharge remained below the median discharge through March, then increased above the median through May, decreased below the median through June, then increased above the median through the end of the water year (fig. 7). The 2001 water year annual mean discharge, 321 ft^3/s, exceeded the mean discharge, 253 ft^3/s, by 21 percent.

Several large springs discharge into streams in the southwest Florida area. Weeki Wachee Springs near Brooksville (fig. 2, site 9) has been measured periodically since 1917 to define seasonal variation in flow. A daily discharge station established in October 1993 determines spring flow by the relation between artesian pressure at a nearby well and spring flow. Eight measurements made during the 2001 water year ranged from 104 ft^3/s on June 7 to 158 ft^3/s on August 16. The average of the 527 measurements made through the 2001 water year is 171 ft^3/s. Crystal Springs near Zephyrhills (fig. 2, site 10) flows into the Hillsborough River upstream from the gaging station near Zephyrhills. The average of the 467 measurements made through the 2001 water year is 53.9 ft^3/s. The flow of the springs is determined from the difference between measurements of the Hillsborough River above and below the springs. The flow from the springs during these measurements, which ranged from 26 ft^3/s on May 1 and May 29 to 39 ft^3/s on October 24, was from 3 to 6 times the flow of the Hillsborough River above the springs. Flow from Lithia Springs near Lithia (fig. 2, site 11) enters the Alafia River downstream from the gaging station at Lithia and is determined by measurements of flow from a major spring, a minor spring, and diversion. Five measurements of Lithia Springs made during the 2001 water year ranged from 12 ft^3/s on May 24 to 47 ft^3/s on October 4. The average of 237 measurements made since 1934 is 43.8 ft^3/s.

Moon Lake in Pasco County (fig. 2, site 6), Lake Parker in Polk County (fig. 2, site 7), and Crooked Lake in Polk County (fig. 2, site 8) are long-term sites used to record/monitor variation in lake levels in west-central Florida. Monthly mean lake stage in Moon Lake near New Port Richey (fig. 8) was below the median lake stage for the entire water year. The 2001 water year annual mean stage, 34.83 ft above sea level, was lower than the mean for the period of record, 38.23 ft above sea level. Monthly mean lake stage in Lake Parker at Lakeland (fig. 9) was below the median for the entire water year. The 2001 water year annual mean stage, 128.15 ft above sea level, was lower than the mean for the period of record, 129.97 ft above sea level. Monthly mean lake stage in Crooked Lake near Babson Park (fig. 10) was below the median for the entire water year. The 2001 water year annual mean stage, 114.99 ft above sea level, was lower than the mean for the period of record, 115.78 ft above sea level.



Base from U.S. Geological Survey digital data, 1:2,000,000, 1972
Albers Equal-Area Conic projection
Standard Parallels 29°30′ and 45°30′, central meridian – 83°00′

Figure 2.--Hydrologic conditions index map..

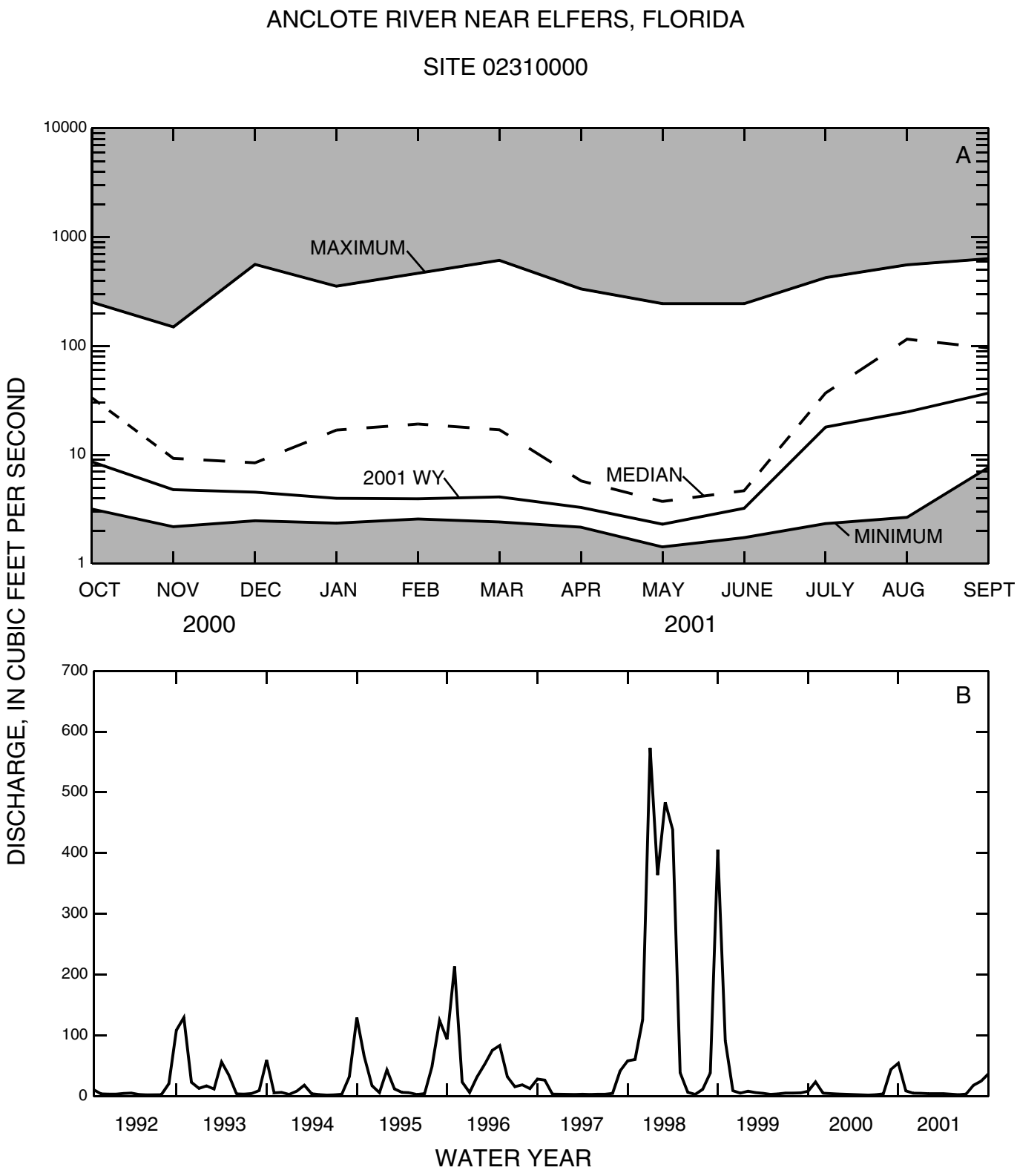


Figure 3.--Anclote River near Elfers (A) 2001 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1992-2001.

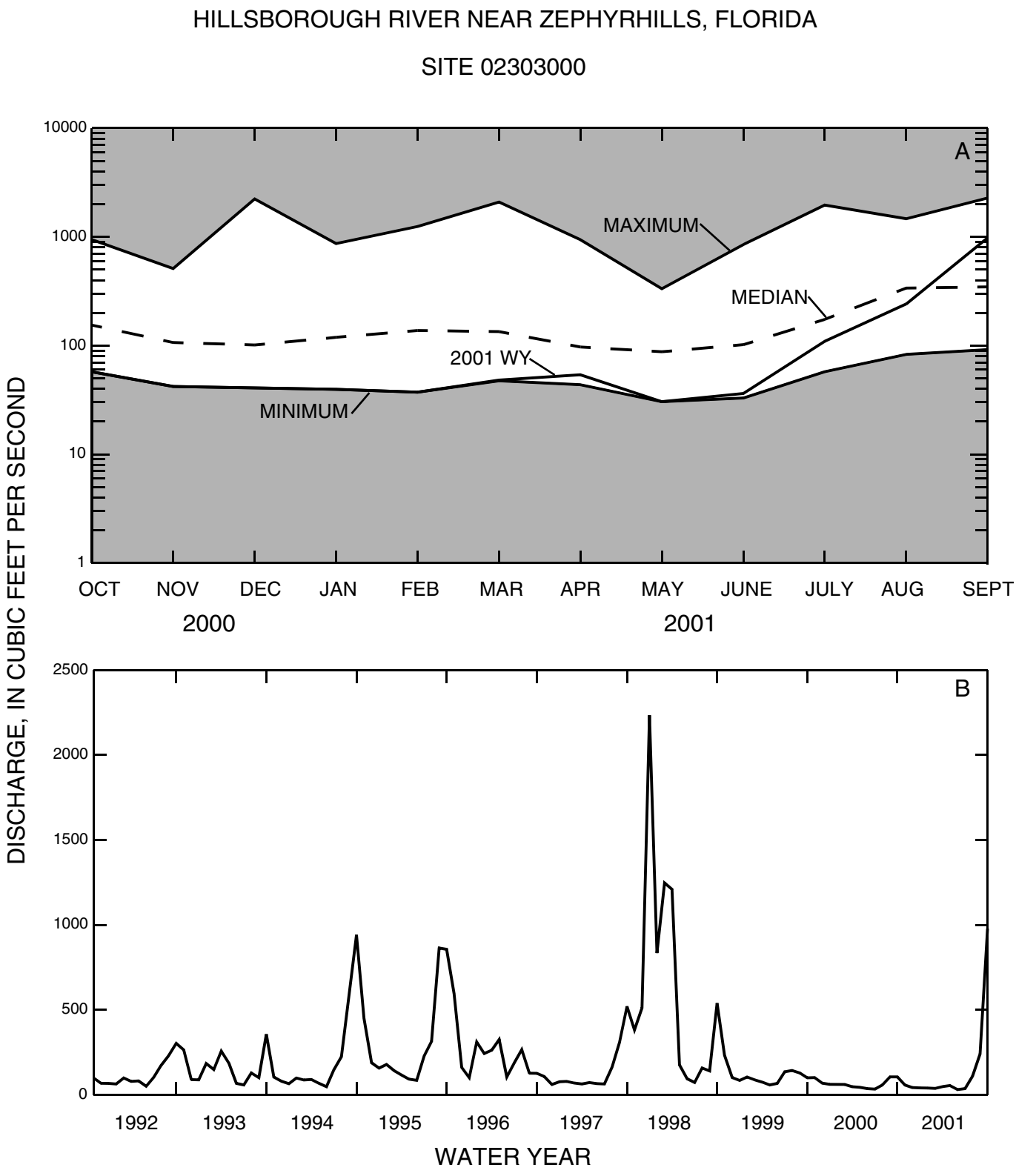


Figure 4.--Hillsborough River near Zephyrhills (A) 2001 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1992-2001.

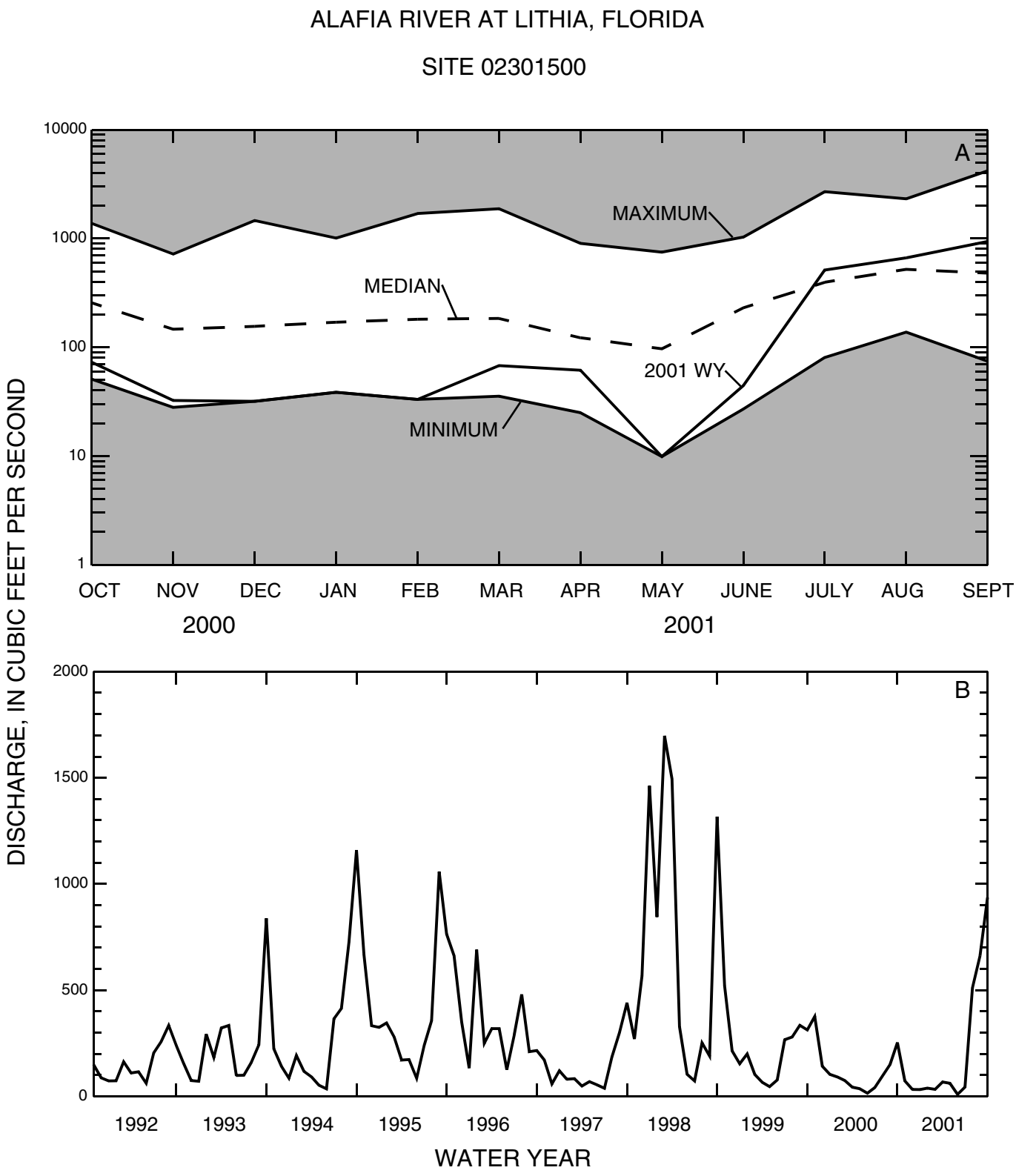


Figure 5.--Alafia River at Lithia (A) 2001 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1992-2001.

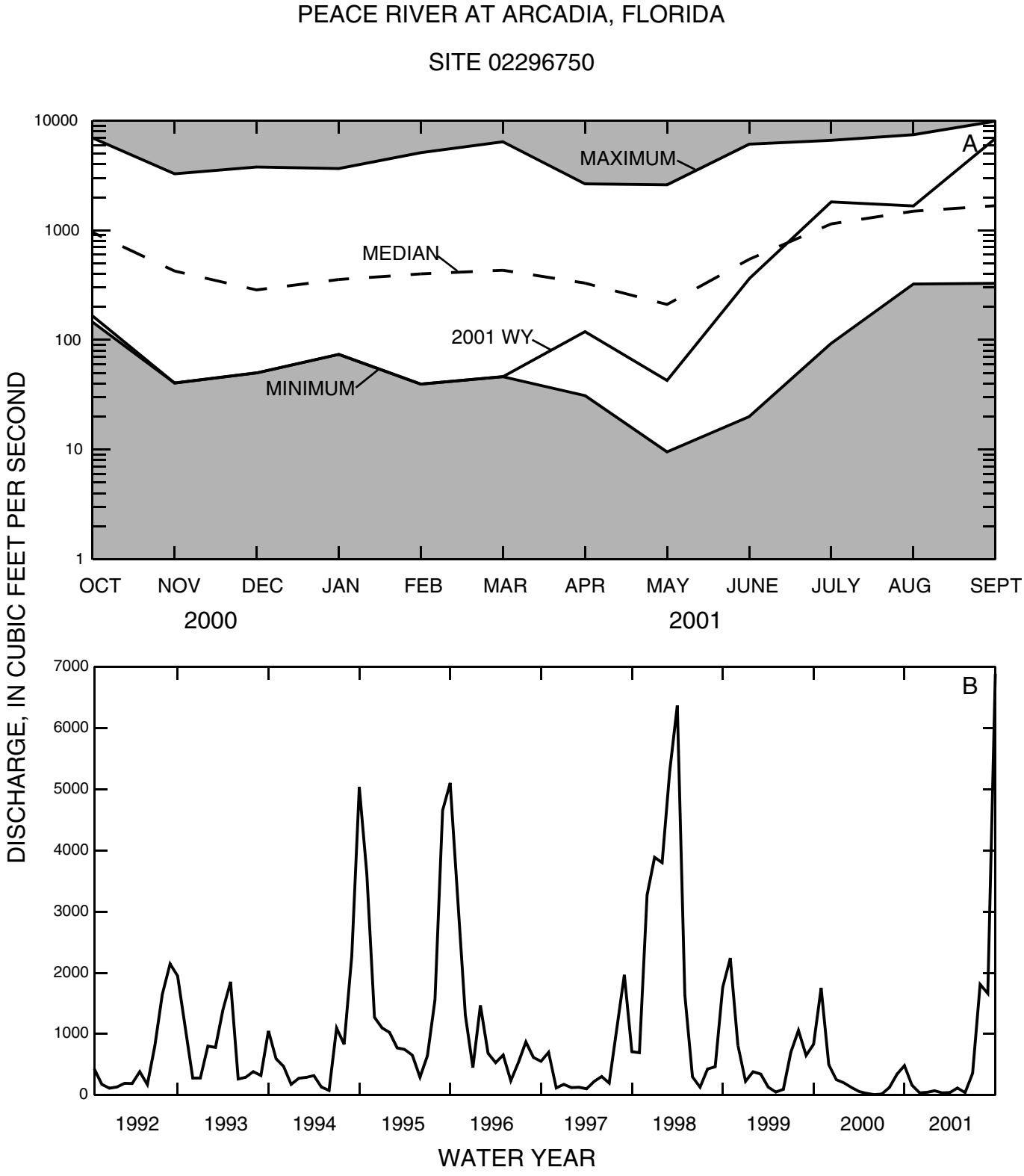


Figure 6.--Peace River at Arcadia (A) 2001 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1992-2001.

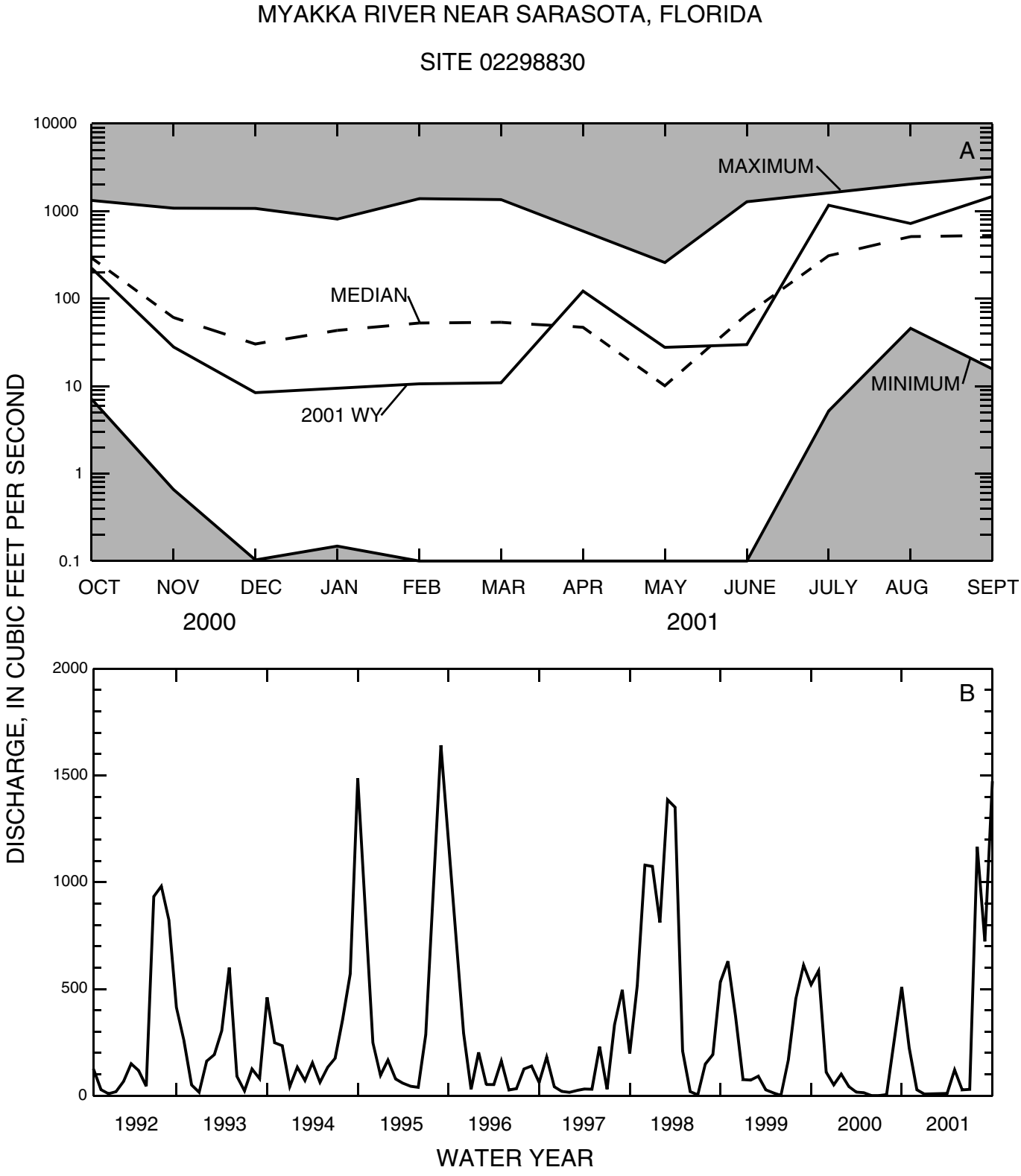


Figure 7.--Myakka River near Sarasota (A) 2001 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1992-2001.

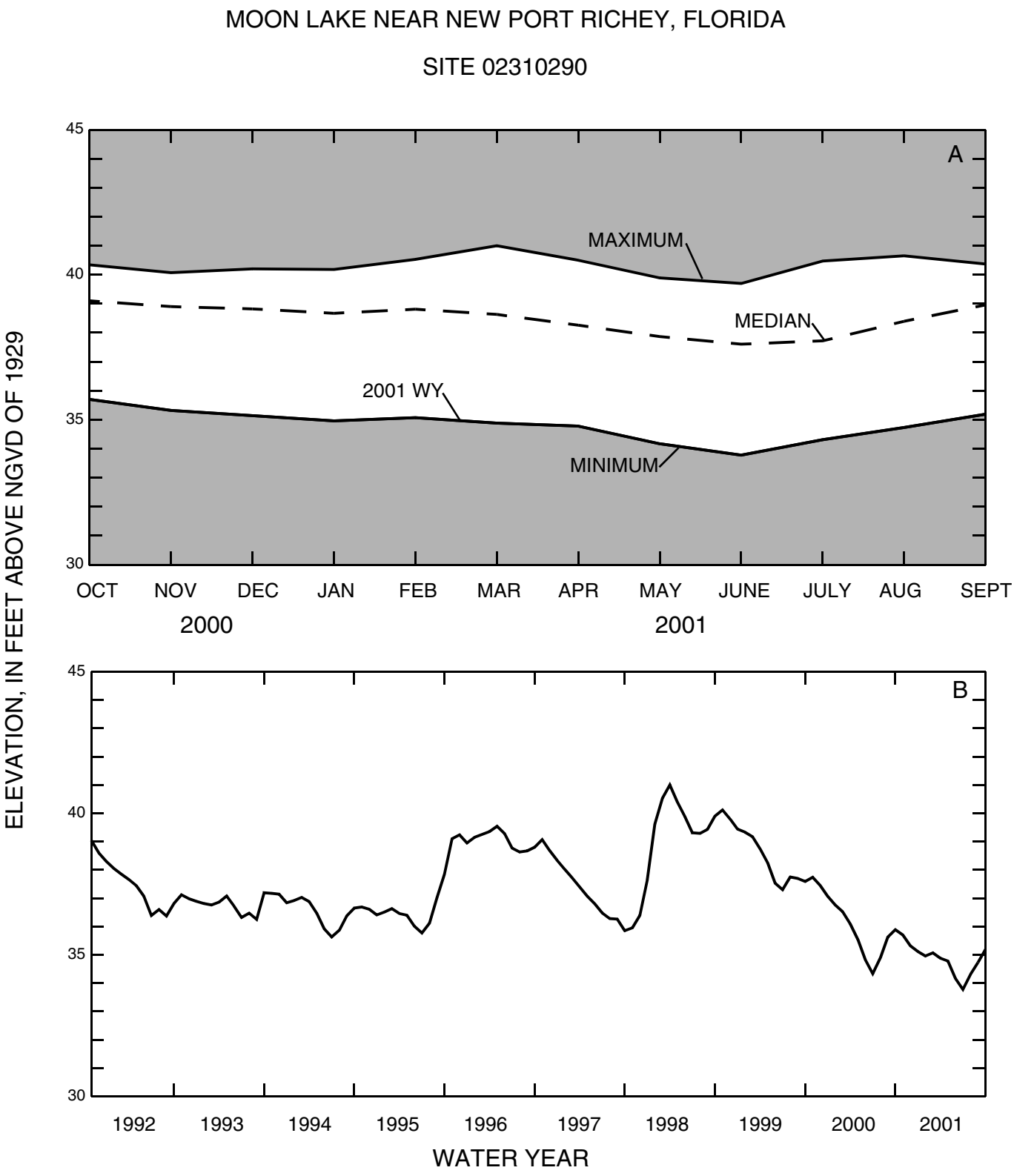


Figure 8.--Moon Lake near New Port Richey (A) 2001 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1992-2001.

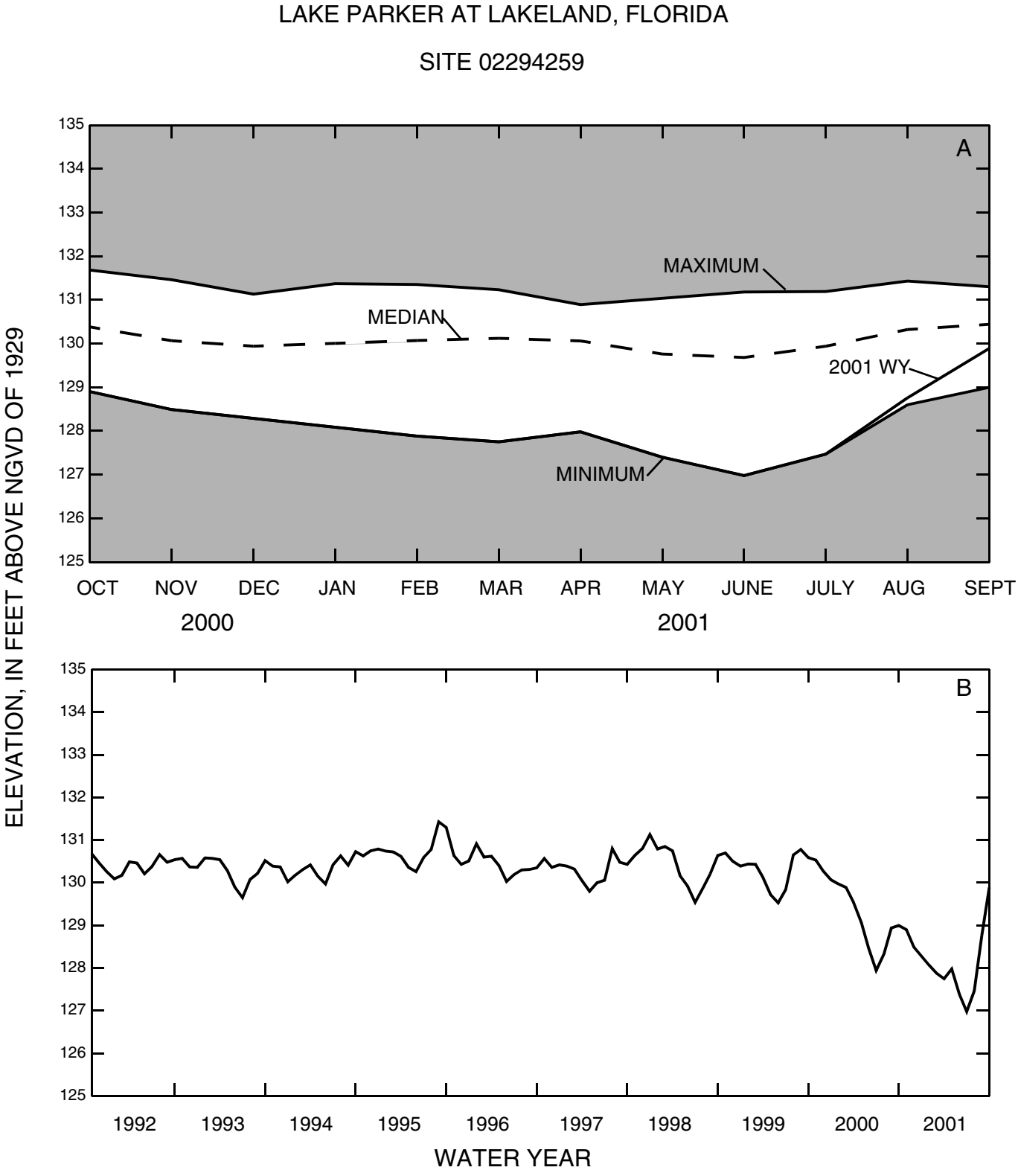


Figure 9.--Lake Parker at Lakeland (A) 2001 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1992-2001.

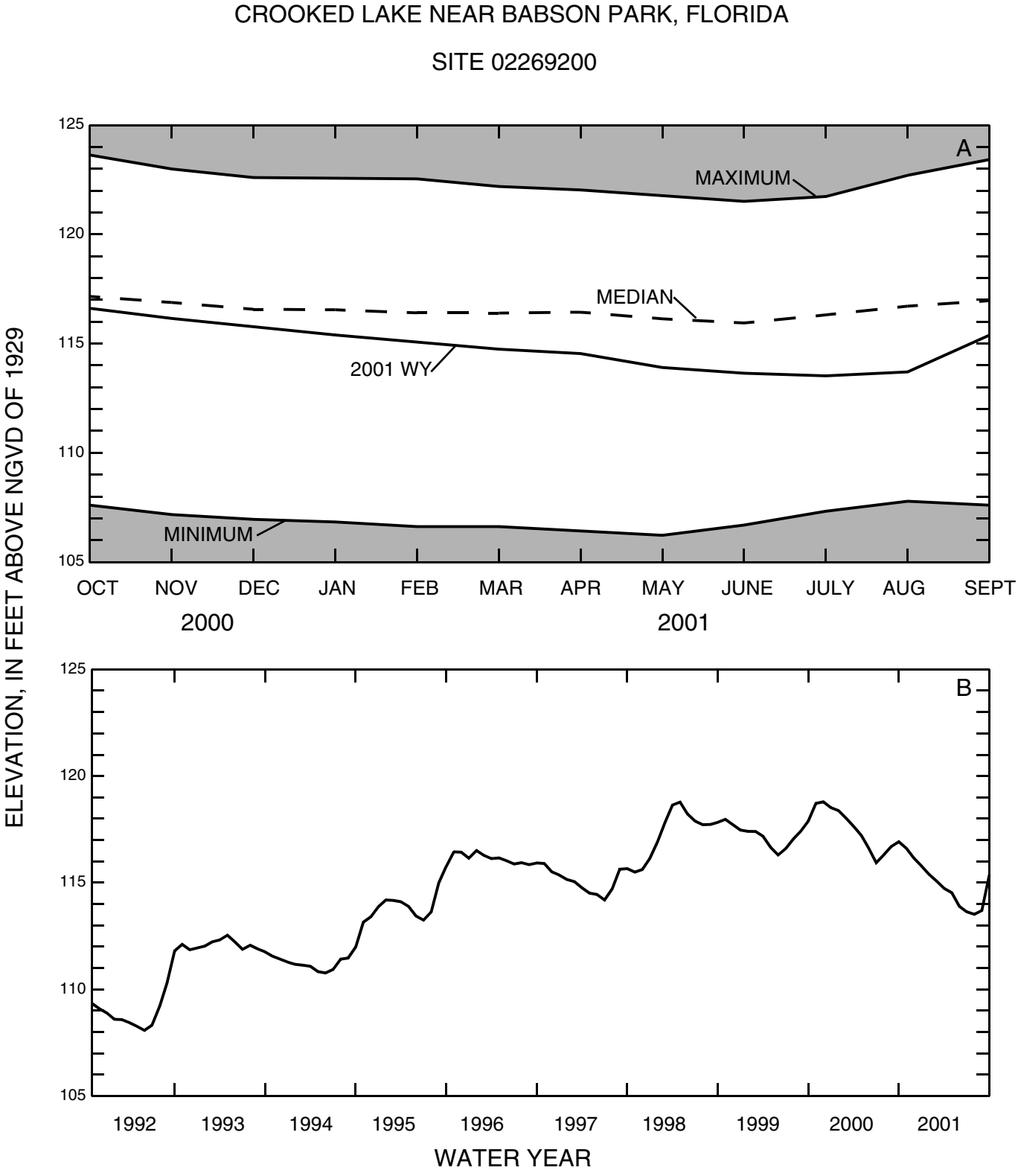


Figure 10.--Crooked Lake near Babson Park (A) 2001 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1992-2001.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande. From 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at http://bqs.usgs.gov/acidrain/. Data from the network, as well as information about individual sites, are available through the World Wide Web at http://napd.sws.uiuc.edu/.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/nawqa_home.html

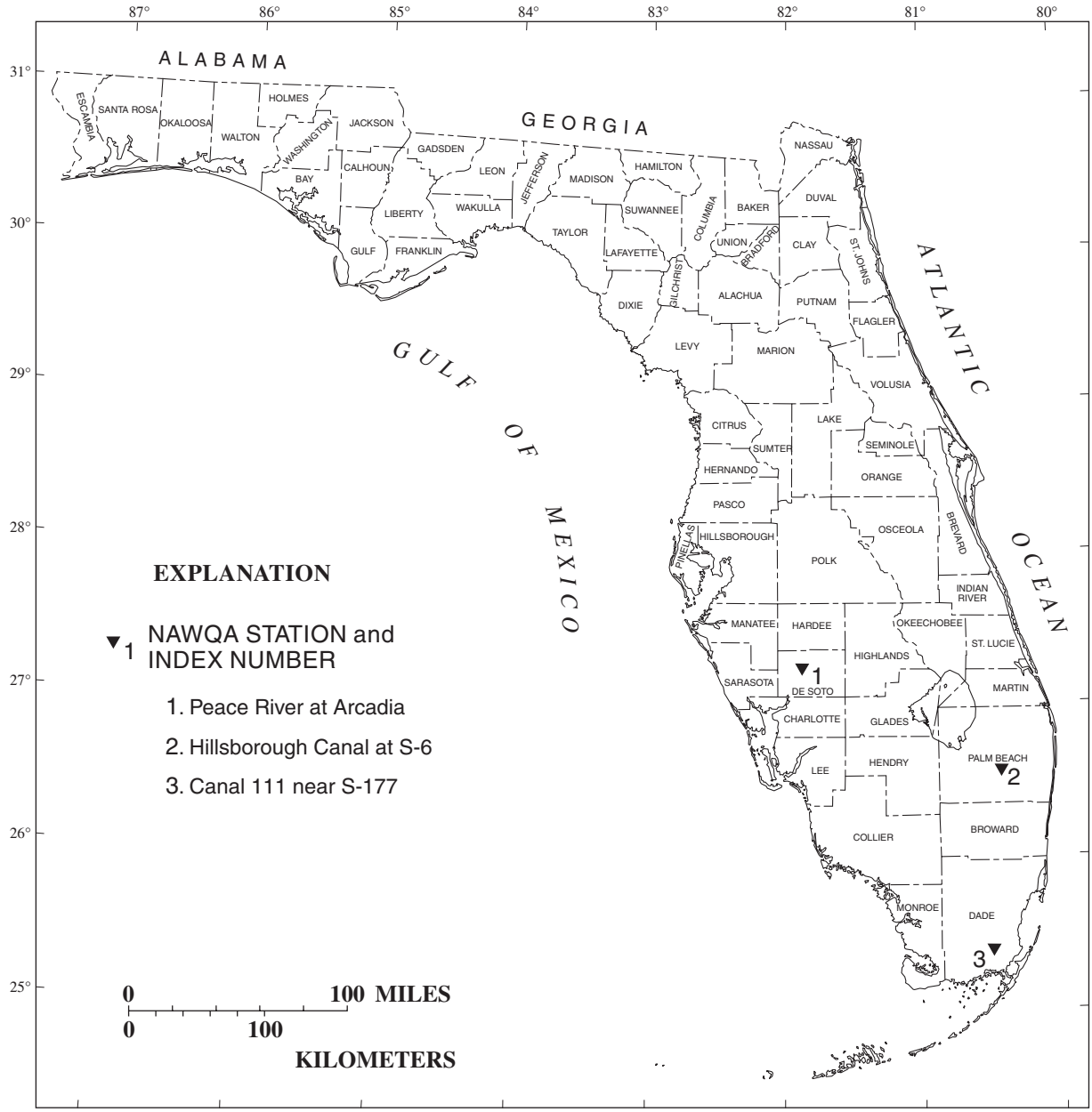


Figure 11.--NAWQA stations in the State of Florida.

EXPLANATION OF THE RECORDS

The surface-water records published in this report are for the 2001 water year that began October 1, 2000, and ended September 30, 2001. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs; water level and water quality data for estuaries; and water-quality data for surface water. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The system used by the U.S. Geological Survey to assign identification numbers for surface-water stations is based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for surface-water stations where only miscellaneous measurements are made.

Downstream Order System

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

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial- record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight- or nine-digit number for each station, such as 02335500, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six- or seven -digit downstream-order number "335500." The Part number designates the major river basin; for example, Part "02" is the South Atlantic slope and Eastern Gulf of Mexico basins.

Latitude-Longitude System

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

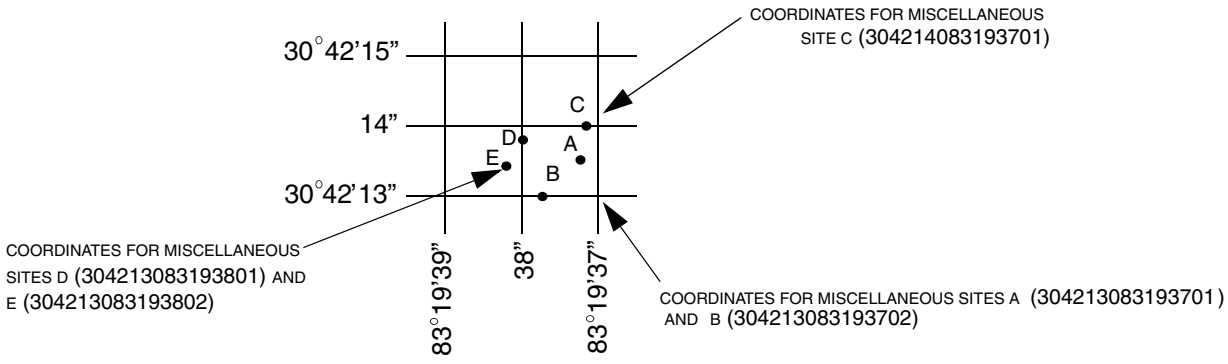


Figure 12.--System for numbering miscellaneous sites (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevations, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, or daily or weekly observations, but

need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations."

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

Data Collection and Computation

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

Continuous records of stage are obtained with electronic data loggers that record stage values at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for standards (ISO).

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

Daily mean discharges are computed using the trapezoidal method (Bartholoma, 1997). The trapezoidal method is a mathematical integration of the hydrograph. Past methods of computing daily mean values include the point-intercept or increment mean methods (Rentz, 1982). If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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

Another method used to compute discharge at stations affected by backwater is the velocity/deflection meter method. In addition to continuous records of stage, continuous records of index velocity are made. Stage -area and index velocity - mean velocity relation curves are determined from recorded values and from periodic discharge measurements. Discharge is calculated from these curves using the basic flow equation:

$$Q = AV,$$

where

Q = discharge

A = area of the cross section, and

V = mean velocity of the cross section.

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

Data Presentation

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

LOCATION.--Information on location is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

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

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

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

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

REMARKS.--All periods of estimated daily-discharge record will be flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") The remarks paragraph is used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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

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

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

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

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

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted for most stations and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges in the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _-_ ,"will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

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

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

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

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

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

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

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous peak discharge occurring for the water year or for the designated period. In some instances a major flood peak might take place just prior to the end of the previous water year, causing the maximum instantaneous discharge for the following (current) water year to be on October 1 during the recession of that previous year's peak. In this case (where a major flood event spans two water years), the instantaneous peak flow listed will be from the next largest independent event during the following water year (instantaneous peak flows stored in the District's peak flow files for consecutive years cannot be from the same flood event). Note that other instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria.

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous peak stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information. See pertinent remarks under INSTANTANEOUS PEAK FLOW concerning events that span two water years.

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

Records of Surface-Water Quality

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

Classification of records

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

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

Arrangement of Records

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

Accuracy of the Records

For each record, one of four accuracy rating classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made, as described by Wagner and others (2000). Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[<, less than or equal to; +, plus or minus value shown; ^{o} C, degree Celsius; >, greater than; %, percent; mg/L, milligrams per liter; pH unit, standard pH unit]

Measured physical property	Ratings			
	Excellent	Good	Fair	Poor
Water temperature	≤ ± 0.2 ^{o}C	> ± 0.2 to 0.5 ^{o}C	> ± 0.5 to 0.8 ^{o}C	> ± 0.8 ^{o}C
Specific conductance	≤ ± 3%	> ± 3 to 10%	> ± 10 to 15%	> ± 15%
Dissolved oxygen	≤ ± 0.3 mg/L	> ± 0.3 to 0.5 mg/L	> ± 0.5 to 0.8 mg/L	> ± 0.8 mg/L
pH	≤ ± 0.2 unit	> ± 0.2 to 0.5 unit	> ± 0.5 to 0.8 unit	> ± 0.8 unit
Turbidity	≤ ± 5%	> ± 5 to 10%	> ± 10 to 15%	> ± 15%

On-site Measurements and Sample Collection

Water-quality data must represent the in-situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on-site when the samples are taken. To assure that measurements made in the laboratory also represent the in-situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, A4 and TWRI Book 9. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

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. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

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

For chemical-quality stations equipped with electronic monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon 15-minute interval or hourly values for the day of record. Mean values are not reported for sites affected by tide. More detailed records (15-minute or hourly values) may be obtained from the Geological Survey Florida office whose address is given on the back of the title page of this report.

Water Temperature

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

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the Florida Office.

Sediment

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

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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

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

Dissolved Trace Element Concentrations

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

Change in National Trends Network Procedures

*NOTE.--Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820-7495 (Telephone: 271-333-7873).

Laboratory Analyses

Samples for indicator bacteria and daily samples for specific conductance are analyzed in the Tampa office. All other samples are analyzed in the Geological Survey National Water Quality Laboratory NWQL in Colorado or the U.S. Geological Survey Quality of Water Service Unit (QWSU) in Ocala, Florida. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapter A1, A3, A4, and A5. Updates to these methods are published periodically in the U.S. Geological Survey's Open File Reports. These methods are consistent with ASTM standards and generally follow ISO standards.

In March 1989 the U.S. Geological Survey's NWQL in Colorado discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between October 1982 and July 1989. Sulfate values for NASQAN stations (02301500) Alafia River at Lithia, FL and (02296750) Peace River at Arcadia, FL have not been corrected for this bias. Sulfate values for other stations in this report were determined at the QWSU in Ocala, Florida, and the turbidimetric method was not used.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation,

general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

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

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

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

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

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor record, sediment pumping sampler, or other sampling device is in operation at a station.

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

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

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

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

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remark Codes

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

PRINTED OUTPUT	REMARK
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Value qualifier codes used in this report:

cl	Holding time exceeded by the laboratory.

Rounding Clarification

Values for some constituents analyzed by routine methods are tabulated with extraneous trailing zeros that are not significant digits. Extraneous zeros result because data obtained from low-level methods that have better (lower) detection limits are stored under the same parameter code as data obtained by routine analytical methods. Precision varies for different analytical methods used to determine the same constituent. The presence of trailing zeroes after the decimal in values printed in this report does not necessarily indicate that the method used for the determination is as precise as the level implied by the rightmost zero.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at:

http://water.usgs.gov

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type and the last two digits represent the weight percent of the hydrogen substituted chlorine.

Artificial substrate is a device that is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

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

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

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peaks per year will be published.

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload" and "Sediment")

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

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 mass per unit area or volume of habitat.

Biomass pigment ratio is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) 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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

Cells/volume refers to the number of cells of any organism that 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 volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements on cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } 4/3\ \pi r^3 \quad \text{cone } 1/3\ \pi r^3 h \quad \text{cylinder } \pi r^3 h.$$

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159…

From cell volume, total algal biomass expressed as biovolume ($\mu m^3/mL$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

Cfs-day (See "Cubic foot per second-day")

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 BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of waters and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

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.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) 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, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Mean concentration of suspended sediment," "Sediment," and "Suspended-sediment concentration")

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data Collection Platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents such as suspended sediment, bedload, and dissolved or suspended chemical constituents, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive, the index usually decreases with pollution.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

Euglenoids (*Euglenophyta*) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediments.

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

Fecal streptococcal bacteria are present in the intestine of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly larger than the maximum depth of water. Because the gage

datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any National geodetic datum. However, if the elevation of the gage datum relative to the National datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the National datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data 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.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

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 milliliter (cells/mL) of sample. (See also "Phytoplankton")

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

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

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum\frac{(n)(a)}{N}$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

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

Hydrologic index stations referred to in this report are four continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. Each hydrologic unit is identified by an 8-digit number.

Inch (IN., in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

Laboratory Reporting Level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a non-detection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV—a term that is no longer used.)

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

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e \frac{I}{I_o} .$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-Term Method Detection Level (LT–MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT–MDL data are collected on a continuous basis to assess year-to-year variations in the LT–MDL. The LT–MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT–MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that are usually arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

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

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

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

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method Detection Limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

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

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, µS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

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

Minimum Reporting Level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method (Timme, 1995).

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations**,** it does not necessarily represent local mean sea level at any particular place. *See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and U.S. first-order terrestrial leveling networks.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

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

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

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

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

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

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

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

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation to the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

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

Percent shading is determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

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

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

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed “acidic,” and solutions with a pH greater than 7 are termed “basic.” Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

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 the primary food producers in the aquatic environment and are commonly known as algae. (See also “Plankton”)

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL of sample).

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. Carbon method defines the amount of carbon dioxide consumed as measured

by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. Oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Radioisotopes are isotopic 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 of 35 and 37, and the natural mixture has an atomic weight of 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. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council, and typically used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums, (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion of units page (inside back cover) for identification of the datum used in this report.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment 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 and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Seven-day 10-year low flow (7Q10) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the 7Q10 is 10 years; the chance that the annual 7-day minimum flow will be less than the 7Q10 is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved sub-

stances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

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

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.

Substrate is the physical surface upon which an organism lives.

Substrate Embeddedness Class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

0	< no gravel or larger substrate		
1	> 75%		
2	51-75%	4	5-25%
3	26-50%	5	< 5%

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which is sampled using U.S. Series Bed-Material Samplers.

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/day) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. 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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa richness is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent Shading")

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

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

Temperature preferences:

Cold **–** preferred water temperature for the species is less than 20 °C or spawning temperature preference less than 16 °C and native distribution is considered to be predominantly north of 45° N. latitude.

Warm – preferred water temperatures for the species is greater than 20 °C or spawning temperature preference greater than 16 °C and native distribution is considered to be predominantly south of 45° N. latitude.

Cool – intermediate between cold and warm water temperature preferences.

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

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

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

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the 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 length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume.")

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

Total sediment load or total load is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-Sediment Load," and "Total load")

Trophic group:

Filter feeder – diet composed of suspended plant and/or animal material.

Herbivore – diet composed predominantly of plant material.

Invertivore – diet composed predominantly of invertebrates.

Omnivore – diet composed of at least 25-percent plant and 25-percent animal material.

Piscivore – diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which is found the water table.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2001, is called the "2001 water year."

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

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the

discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

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

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

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

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey." Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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, chap. D1. 1975. 65 p.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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, chap. D1. 1974. 116 p.

2-D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

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2-E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.

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3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.

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3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.

3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 p.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

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3-B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.

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3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.

3-B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 p.

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3-B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

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4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

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5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.

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5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 p.

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6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 p.

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6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 p.

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Section C. Computer Programs

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Book 9. Handbooks for Water-Resources Investigations

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STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

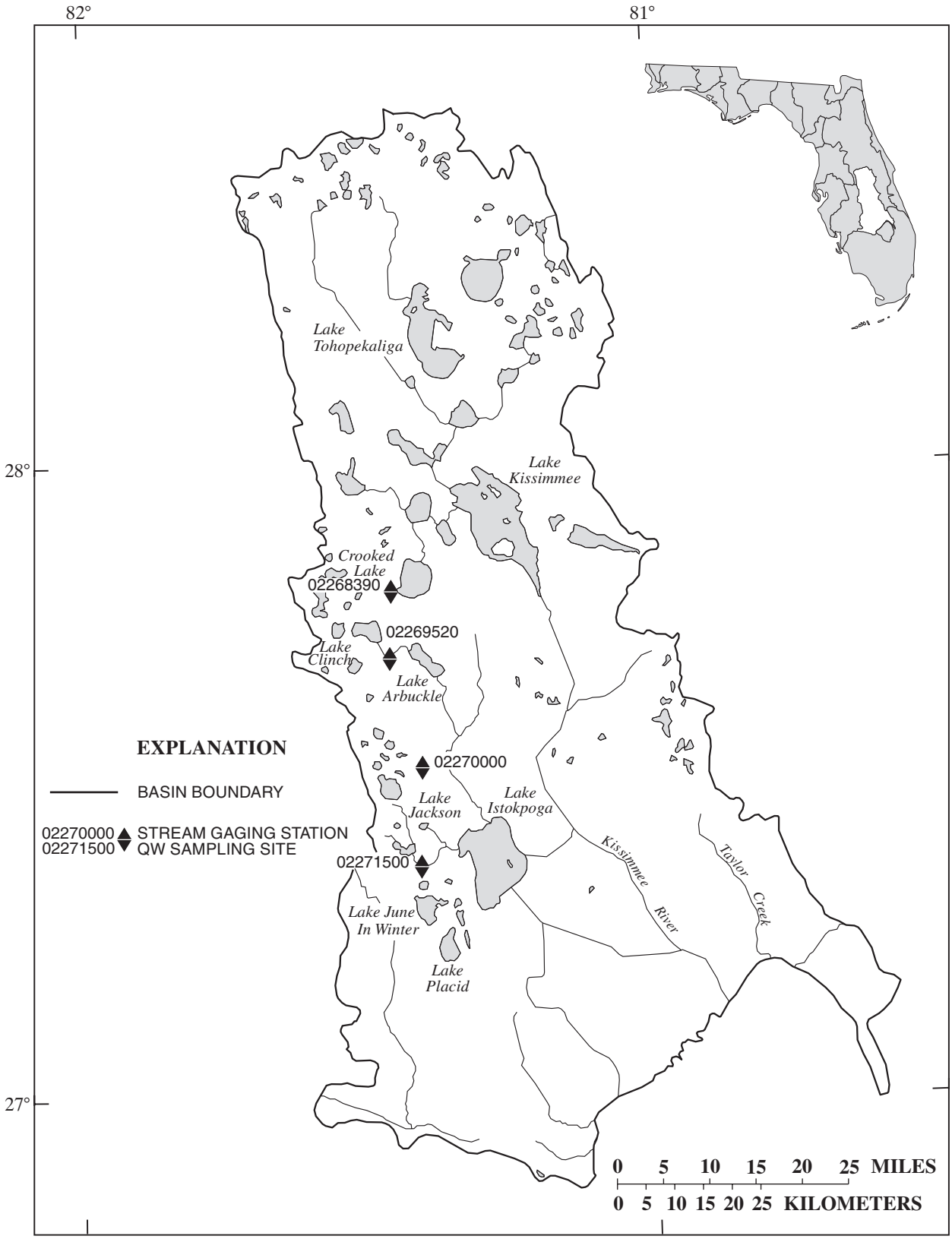

Figure 13.--Location of stream gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

KISSIMMEE RIVER BASIN

02268390 TIGER CREEK NEAR BABSON PARK, FL

LOCATION.--Lat 27°48'40", long 81°26'38", in NE ¼ sec.5, T.31 S., R.29 E., Polk County, Hydrologic Unit 03090101, on left bank, on upstream side of bridge on Walk-in-Water Road, 0.4 mi upstream of Lake Weohyakapka, and 2.0 mi east of Babson Park.
DRAINAGE AREA.--52.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 23.52 ft above National Geodetic Vertical Datum of 1929 (Polk County bench mark).
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	18	16	16	17	13	44	11	7.3	14	20	16
2	38	18	15	15	16	13	37	10	10	14	24	18
3	36	17	15	15	16	13	30	10	10	15	37	19
4	38	17	16	15	17	14	26	14	9.5	15	47	18
5	38	17	16	15	17	18	23	14	10	14	50	19
6	37	17	15	15	17	18	24	12	13	17	49	24
7	36	17	15	15	16	16	23	11	16	17	45	43
8	34	16	15	15	16	15	21	9.8	22	16	38	70
9	32	16	15	15	16	15	19	9.3	20	25	32	128
10	31	16	15	15	16	15	18	8.8	17	29	29	164
11	30	16	15	15	16	14	17	8.4	16	26	28	155
12	29	15	15	15	16	14	16	8.1	14	22	27	131
13	28	15	16	15	16	14	15	7.9	13	20	25	109
14	27	15	16	15	15	14	14	7.8	12	21	23	120
15	26	15	16	15	15	14	13	7.7	11	24	21	140
16	25	15	15	16	15	13	12	7.4	11	23	20	146
17	24	15	16	16	15	13	12	7.0	11	20	19	134
18	24	16	16	16	14	13	11	6.5	13	18	19	116
19	23	15	16	15	14	13	11	6.2	12	17	19	100
20	23	15	16	17	14	15	10	5.9	11	16	19	86
21	22	15	16	17	14	15	9.8	5.6	9.7	18	25	76
22	22	15	16	17	13	14	9.4	5.6	10	31	37	76
23	21	14	15	18	13	13	9.2	7.1	12	32	37	81
24	21	14	15	18	13	13	8.9	7.4	14	27	32	82
25	20	14	15	17	13	12	8.6	6.8	15	23	27	83
26	20	16	15	17	13	12	14	6.2	14	24	24	82
27	20	17	15	17	13	12	14	5.5	14	25	22	77
28	19	17	16	17	13	11	12	5.3	15	22	20	71
29	19	16	16	17	---	14	11	5.8	13	20	19	67
30	18	16	16	17	---	37	11	6.0	13	18	18	63
31	18	---	16	17	---	47	---	5.6	---	17	17	---
TOTAL	839	475	481	495	419	487	503.9	249.7	388.5	640	869	2514
MEAN	27.1	15.8	15.5	16.0	15.0	15.7	16.8	8.05	12.9	20.6	28.0	83.8
MAX	40	18	16	18	17	47	44	14	22	32	50	164
MIN	18	14	15	15	13	11	8.6	5.3	7.3	14	17	16
CFSM	.51	.30	.29	.30	.28	.30	.32	.15	.25	.39	.53	1.59
IN.	.59	.33	.34	.35	.30	.34	.36	.18	.27	.45	.61	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	48.2	35.0	35.2	37.8	36.4	34.6	28.2	18.9	31.0	39.4	50.3	56.2
MAX	84.3	47.0	64.3	61.1	81.9	84.5	48.8	29.3	54.3	52.4	85.2	83.8
(WY)	2000	1995	1995	1998	1998	1998	1998	1998	1996	1995	1995	2001
MIN	20.4	15.8	15.5	16.0	15.0	15.7	15.5	8.05	12.9	20.6	23.5	27.1
(WY)	1994	2001	2001	2001	2001	2001	1999	2001	2001	2001	1993	1997

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1992 - 2001**	
ANNUAL TOTAL	9233.0		8361.1			
ANNUAL MEAN	25.2		22.9		37.6	
HIGHEST ANNUAL MEAN					49.7	1998
LOWEST ANNUAL MEAN					22.9	2001
HIGHEST DAILY MEAN	73	Sep 24	164	Sep 10	185	Mar 22 1998
LOWEST DAILY MEAN	6.5	Jun 3	5.3	May 28	5.3	May 28 2001
ANNUAL SEVEN-DAY MINIMUM	7.1	May 31	5.9	May 25	5.9	May 25 2001
MAXIMUM PEAK FLOW			167	Sep 10	188	Mar 22 1998
MAXIMUM PEAK STAGE			45.84	Sep 10	46.04	Mar 22 1998
ANNUAL RUNOFF (CFSM)	.48		.43		.71	
ANNUAL RUNOFF (INCHES)	6.51		5.89		9.68	
10 PERCENT EXCEEDS	44		37		67	
50 PERCENT EXCEEDS	21		16		32	
90 PERCENT EXCEEDS	11		10		15	

02268390 TIGER CREEK NEAR BABSON PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
14...	0930	43.22	15	8.1	6.8	173	19.1	<.20	.04	1.4	<.01	<.010	<.020
FEB													
05...	0910	43.17	17	8.1	7.0	176	17.1	.41	.02	1.4	<.01	.020	<.020
MAY													
21...	0955	42.67	5.8	9.4	6.2	131	23.1	.23	<.01	.5	<.01	.020	<.020
JUL													
03...	0904	43.17	15	7.1	6.7	179	25.6	.23	.02	.8	<.01	<.010	<.020
AUG													
06...	0918	44.28	49	6.2	6.2	214	24.6	1.4	.03	.4	<.01	.010	.030
SEP													
19...	0856	45.18	102	4.6	5.0	142	23.7	1.8	.05	.1	<.01	.050	.040

KISSIMMEE RIVER BASIN

02269520 LIVINGSTON CREEK NEAR FROSTPROOF, FL

LOCATION.--Lat 27°42'30", long 81°26'48", in SW ¼ sec.8, T32 S., R.29 E., Polk County, Hydrologic Unit 03090101, on downstream side of bridge on School Bus Road, 3.6 mi upstream from Lake Arbuckle, and 5.3 mi east of Frostproof.
DRAINAGE AREA.--120 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 22.54 ft above National Geodetic Vertical Datum of 1929 (Polk County bench mark).
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	16	12	10	11	12	22	7.1	6.9	35	22	26
2	32	16	12	10	11	12	18	7.0	8.5	29	27	26
3	33	15	12	9.9	11	11	16	7.0	8.3	31	43	27
4	37	15	12	9.7	11	12	15	9.0	7.6	70	52	26
5	36	15	11	9.3	12	14	15	8.1	7.2	49	50	26
6	34	15	11	9.4	11	12	17	7.7	7.2	34	42	33
7	33	14	11	9.4	11	11	16	7.4	8.1	26	37	100
8	32	14	11	9.4	11	9.8	15	7.3	15	23	35	142
9	31	14	11	9.9	11	9.4	14	7.0	15	31	34	230
10	29	14	11	9.7	11	9.2	14	6.9	15	39	40	292
11	27	14	12	9.3	11	9.1	13	6.6	14	52	82	228
12	26	13	12	9.3	11	8.9	13	6.5	13	46	71	185
13	25	13	13	9.3	10	8.8	13	6.4	13	46	47	166
14	24	13	12	9.2	9.9	9.3	13	6.4	13	41	39	241
15	24	13	12	9.1	9.9	9.3	12	6.3	13	38	35	292
16	23	12	12	9.2	9.8	9.0	12	6.2	14	34	33	250
17	23	12	13	9.3	9.7	9.0	12	6.2	14	29	31	221
18	22	13	13	9.3	9.6	8.9	11	6.0	15	29	32	205
19	22	12	13	9.4	9.3	9.6	9.9	6.0	15	30	32	195
20	22	12	13	11	9.1	10	9.3	6.0	15	32	31	188
21	21	12	12	11	9.0	9.3	8.9	6.0	15	31	34	185
22	21	11	11	11	9.0	8.7	8.3	6.0	18	39	33	201
23	20	10	11	11	9.0	8.1	8.0	6.1	19	39	30	369
24	20	10	10	11	9.1	7.8	7.8	6.2	20	36	29	339
25	19	10	10	10	9.2	7.7	7.7	6.2	18	30	28	308
26	18	12	10	10	9.2	7.5	7.8	6.2	20	28	27	290
27	18	13	10	11	9.4	7.4	7.6	6.0	31	26	26	276
28	17	12	11	11	12	7.2	7.3	6.0	26	25	25	276
29	17	12	13	11	---	8.9	7.1	6.0	24	23	24	290
30	17	12	12	11	---	38	7.1	6.0	30	22	24	283
31	17	---	11	11	---	28	---	6.0	---	22	23	---
TOTAL	773	389	360	310.1	286.2	342.9	357.8	203.8	458.8	1065	1118	5916
MEAN	24.9	13.0	11.6	10.0	10.2	11.1	11.9	6.57	15.3	34.4	36.1	197
MAX	37	16	13	11	12	38	22	9.0	31	70	82	369
MIN	17	10	10	9.1	9.0	7.2	7.1	6.0	6.9	22	22	26
AC-FT	1530	772	714	615	568	680	710	404	910	2110	2220	11730
CFSM	.21	.11	.10	.08	.09	.09	.10	.05	.13	.29	.30	1.64
IN.	.24	.12	.11	.10	.09	.11	.11	.06	.14	.33	.35	1.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	79.7	56.8	50.8	53.7	53.8	53.9	38.8	21.9	26.8	42.2	66.6	93.1
MAX	199	120	151	135	211	248	146	69.4	52.1	101	239	278
(WY)	1996	1996	1995	1998	1998	1998	1998	1998	1996	1995	1995	1995
MIN	19.6	13.0	11.6	10.0	10.2	11.1	10.4	6.57	5.63	21.3	18.4	26.3
(WY)	1998	2001	2001	2001	2001	2001	1999	2001	2000	2000	1993	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1992 - 2001**	
ANNUAL TOTAL	7441.0		11580.6			
ANNUAL MEAN	20.3		31.7		53.2	
HIGHEST ANNUAL MEAN					125	1995
LOWEST ANNUAL MEAN					27.6	1997
HIGHEST DAILY MEAN	66	Sep 18	369	Sep 23	e700	Mar 21 1998
LOWEST DAILY MEAN	4.9	Jun 12	6.0	May 18	4.9	Jun 12 2000
ANNUAL SEVEN-DAY MINIMUM	5.0	Jun 7	6.0	May 17	5.0	Jun 7 2000
MAXIMUM PEAK FLOW			391	Sep 23	Unknown	Mar 21 1998
MAXIMUM PEAK STAGE			47.45	Sep 23	Unknown	Mar 21 1998
ANNUAL RUNOFF (AC-FT)	14760		22970		38520	
ANNUAL RUNOFF (CFSM)	.17		.26		.44	
ANNUAL RUNOFF (INCHES)	2.31		3.59		6.02	
10 PERCENT EXCEEDS	39		41		127	
50 PERCENT EXCEEDS	17		13		32	
90 PERCENT EXCEEDS	6.3		7.5		12	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	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,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
NOV													
14...	1020	41.71	13	261	6.8	20.4	6.6	<.01	.6	.08	.69	.030	<.010
FEB													
05...	0953	41.26	12	264	6.7	16.7	6.9	<.01	.6	.08	1.2	<.020	.020
MAY													
21...	1051	40.95	6.0	258	6.0	25.1	8.3	<.01	.9	.01	.72	<.020	<.010
JUL													
03...	0944	41.87	24	272	6.0	26.6	4.5	<.01	.6	.09	.96	<.020	<.010
AUG													
06...	1005	42.81	43	223	6.2	25.4	4.3	<.01	.5	.04	1.3	.080	.050
SEP													
19...	0956	45.08	196	178	5.7	24.8	2.6	.01	.2	.17	1.9	.320	.290

KISSIMMEE RIVER BASIN

02270000 CARTER CREEK NEAR SEBRING, FL

LOCATION.--Lat 27°31'55", long 81°23'16", in SE ¼ sec.11, T.34 S., R.29 E., Highlands County, Hydrologic Unit 03090101, on right bank, 75 ft downstream from culverts on Lake Arbuckle Road, 2.3 mi upstream from mouth, 4.4 mi downstream from Bonnett Lake, and 7.1 mi northeast of Sebring.
DRAINAGE AREA.--38.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1954 to September 1966; March 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 56.75 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 16, 1954, staff gage and Nov. 16, 1954, to Sept. 30, 1963, water-stage recorder, at present site and datum. Mar. 16, 1956, to Sept. 30, 1958, staff gage and May 23, 1963, to September 30, 1966, water-stage recorder at site 1,100 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Regulation by Bonnett Lake control above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.2	5.5	6.6	4.6	2.4	13	2.8	7.0	9.9	e23	13
2	13	7.0	5.5	6.3	4.5	2.4	9.8	2.3	9.9	8.6	e29	12
3	16	6.9	5.5	6.1	4.4	2.2	8.3	2.4	8.2	19	39	12
4	24	6.7	5.5	5.9	4.4	2.4	7.5	4.8	7.3	43	35	11
5	21	6.3	5.4	5.8	4.3	2.9	7.5	4.3	6.5	25	30	12
6	18	5.9	5.3	5.7	4.1	2.6	9.2	3.8	5.9	18	27	23
7	17	6.0	5.3	5.5	4.0	2.4	8.4	3.5	6.2	18	27	84
8	15	6.0	5.3	5.5	3.9	2.2	7.6	3.3	6.2	39	24	90
9	14	5.9	5.3	5.5	3.8	2.1	7.0	3.1	5.9	77	22	93
10	13	6.0	5.4	5.3	3.7	2.1	6.5	2.8	5.5	48	21	78
11	13	5.9	5.8	5.3	3.7	2.1	6.1	2.6	5.1	44	21	e70
12	12	5.7	6.4	5.2	3.7	2.1	5.7	2.5	4.7	39	19	e64
13	11	5.6	6.4	5.2	3.6	2.0	5.5	2.4	4.3	30	18	e58
14	11	5.4	6.3	5.1	3.5	2.1	5.3	2.3	4.1	32	17	e55
15	11	5.6	6.1	5.1	3.5	2.1	5.0	2.3	3.8	31	16	e52
16	10	5.5	5.9	5.2	3.4	2.0	4.8	2.2	3.5	26	15	e49
17	10	5.5	5.9	5.2	3.2	2.0	4.4	2.1	4.6	42	14	e46
18	9.6	5.6	5.7	5.2	3.1	1.9	4.1	2.0	6.4	57	14	44
19	9.3	5.4	5.6	4.9	3.0	2.0	3.8	1.9	5.5	59	19	40
20	9.1	5.4	5.6	5.1	2.9	2.3	3.5	1.8	6.5	38	e18	37
21	9.0	5.2	5.5	5.2	2.9	2.2	3.4	1.7	6.7	46	e17	34
22	8.8	5.0	5.4	5.4	2.8	2.1	3.3	1.7	6.3	91	e17	44
23	8.5	5.0	5.3	5.7	2.8	1.9	3.1	12	9.3	57	e16	109
24	8.4	5.0	5.2	5.4	2.7	1.8	3.0	19	11	48	e16	67
25	8.2	5.4	5.1	5.2	2.6	1.7	2.9	13	9.5	37	e15	72
26	8.1	5.9	5.0	5.1	2.6	1.7	2.9	9.8	9.3	31	e14	59
27	7.9	6.0	4.9	5.0	2.5	1.7	2.7	8.2	14	28	e14	62
28	7.6	5.8	6.1	4.9	2.4	1.6	2.5	7.3	11	25	13	63
29	7.5	5.7	7.7	4.9	---	2.0	2.4	6.5	9.3	23	13	55
30	7.4	5.6	7.3	4.8	---	20	2.6	7.0	8.9	21	12	48
31	7.3	---	7.0	4.7	---	19	---	5.9	---	e18	11	---
TOTAL	359.7	174.1	178.2	166.0	96.6	100.0	161.8	147.3	212.4	1128.5	606	1556
MEAN	11.6	5.80	5.75	5.35	3.45	3.23	5.39	4.75	7.08	36.4	19.5	51.9
MAX	24	7.2	7.7	6.6	4.6	20	13	19	14	91	39	109
MIN	7.3	5.0	4.9	4.7	2.4	1.6	2.4	1.7	3.5	8.6	11	11
AC-FT	713	345	353	329	192	198	321	292	421	2240	1200	3090
CFSM	.30	.15	.15	.14	.09	.08	.14	.12	.18	.94	.50	1.34
IN.	.34	.17	.17	.16	.09	.10	.16	.14	.20	1.08	.58	1.49

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2001, BY WATER YEAR (WY)

MEAN	37.3	25.2	20.1	21.0	21.9	22.3	18.6	13.8	21.9	30.3	34.8	43.4
MAX	130	78.7	54.9	56.0	70.7	84.0	83.5	36.6	54.2	103	102	146
(WY)	1960	1960	1998	1958	1998	1998	1998	1957	1959	1959	1960	1960
MIN	9.75	5.80	5.75	5.35	3.45	3.23	4.25	3.35	6.49	9.73	9.46	12.5
(WY)	1962	2001	2001	2001	2001	2001	1994	2000	1997	1956	1993	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1955 - 2001**	
ANNUAL TOTAL	3773.6		4886.6			
ANNUAL MEAN	10.3		13.4		26.1	
HIGHEST ANNUAL MEAN					65.6	1960
LOWEST ANNUAL MEAN					11.1	1997
HIGHEST DAILY MEAN	48	Sep 18	109	Sep 23	352	Sep 11 1960
LOWEST DAILY MEAN	2.0	Jun 3	1.6	Mar 28	1.6	Mar 28 2001
ANNUAL SEVEN-DAY MINIMUM	2.2	May 29	1.8	Mar 23	1.8	Mar 23 2001
MAXIMUM PEAK FLOW			132	Sep 8	552	Sep 11 1960
MAXIMUM PEAK STAGE			8.98	Sep 8	11.05	Sep 11 1960
ANNUAL RUNOFF (AC-FT)	7480		9690		18890	
ANNUAL RUNOFF (CFSM)	.27		.35		.67	
ANNUAL RUNOFF (INCHES)	3.62		4.69		9.13	
10 PERCENT EXCEEDS	18		38		53	
50 PERCENT EXCEEDS	8.9		6.0		19	
90 PERCENT EXCEEDS	3.9		2.4		6.7	

02270000 CARTER CREEK NEAR SEBRING, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
14...	1200	4.96	5.4	8.2	7.0	168	20.2	.52	.08	.2	<.01	<.010	.020
FEB													
05...	1115	4.87	4.4	9.0	6.5	169	17.1	.63	.08	.4	.02	.010	<.020
MAY													
21...	1226	4.52	1.7	10.5	6.1	81	24.2	.33	<.01	.2	<.01	<.010	<.020
JUL													
03...	1127	5.14	7.8	6.9	6.3	168	25.8	.57	.04	.2	<.01	<.010	<.020
AUG													
06...	1151	6.17	27	6.1	6.1	140	25.1	1.1	.04	.1	<.01	<.010	.030
SEP													
19...	1137	6.74	40	5.3	5.5	128	24.5	1.0	.06	.1	<.01	.020	<.020

KISSIMMEE RIVER BASIN

02271500 JOSEPHINE CREEK NEAR DE SOTO CITY, FL

LOCATION.--Lat 27°22'26", long 81°23'37", in SE $^1/_4$ sec.2, T.36 S., R.29 E., Highlands County, Hydrologic Unit 03090101, on left bank, 320 ft downstream from bridge on State Highway 17, 1.0 mi downstream from Jack Creek, 4.0 mi south of De Soto City, and 4.9 mi upstream from mouth.
DRAINAGE AREA.--109 mi^2, includes area drained by Lake Sebring.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1946 to September 1975; October 1978 to current year.
REVISED RECORDS.--WSP 1384: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 52.99 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to May 21, 1952, at site 0.5 mi upstream at datum 0.89 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by gate manipulations at structure G-90 located on Lake June-in-Winter outflow canal. Discharge affected by pumpage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	2.9	4.8	5.0	4.1	2.7	7.4	3.4	6.6	14	105	52
2	27	2.8	4.8	4.8	4.1	2.7	6.1	3.2	6.9	12	119	49
3	25	2.8	4.7	4.6	4.0	2.6	5.5	4.6	6.8	11	145	47
4	37	3.0	4.7	4.6	4.0	3.4	5.1	7.2	5.8	25	133	46
5	37	3.1	4.7	4.6	4.0	4.1	6.1	5.8	5.9	28	126	49
6	35	3.1	4.7	4.5	3.9	3.6	14	4.7	5.4	23	140	72
7	34	3.1	4.6	4.3	3.7	3.3	12	4.0	5.2	19	137	166
8	29	3.1	4.5	4.3	3.7	3.2	9.8	3.6	5.0	16	116	251
9	24	3.0	4.6	4.4	3.7	3.1	8.4	3.3	4.8	28	99	303
10	18	3.0	4.7	4.2	3.7	3.2	7.5	3.1	5.0	33	92	374
11	14	3.0	4.8	4.1	3.7	3.1	6.6	2.9	5.0	33	94	495
12	12	3.0	5.0	4.2	3.6	2.9	6.2	2.7	4.5	31	83	556
13	11	3.0	4.8	4.1	3.5	2.9	5.9	2.6	6.5	31	76	732
14	9.9	3.1	4.8	4.1	3.5	2.8	5.6	2.4	15	34	71	1060
15	9.3	3.1	4.7	4.1	3.4	2.8	5.4	2.3	11	38	66	1190
16	8.6	3.2	4.7	4.2	3.3	2.7	5.1	2.2	8.9	35	61	1020
17	7.6	3.4	4.8	4.1	3.3	2.7	4.8	2.1	8.2	81	59	820
18	6.9	3.6	4.5	4.1	3.1	2.6	4.4	2.0	10	89	70	675
19	6.3	3.5	4.6	4.0	3.0	2.7	4.2	1.9	8.5	92	67	545
20	5.7	3.6	4.6	4.2	3.0	2.9	4.2	1.8	10	98	73	468
21	5.2	3.7	4.6	4.1	2.9	2.7	4.1	1.7	18	87	88	285
22	4.9	3.7	4.6	4.2	3.0	2.6	4.0	1.8	17	90	91	224
23	4.5	3.7	4.6	4.5	3.0	2.6	4.0	4.0	14	100	88	210
24	4.0	3.9	4.6	4.4	3.0	2.5	3.8	3.7	13	113	83	190
25	3.8	4.6	4.6	4.4	2.9	2.5	3.7	3.2	12	103	77	e179
26	3.8	5.2	4.7	4.4	2.8	2.4	3.5	3.0	10	111	78	e175
27	4.0	5.4	4.6	4.4	2.8	2.3	3.2	2.7	13	108	73	e169
28	3.8	5.3	5.5	4.3	2.7	2.2	3.1	2.5	19	98	66	156
29	3.5	5.2	6.4	4.2	---	2.6	3.2	2.4	18	86	62	156
30	3.4	4.9	6.0	4.3	---	7.9	3.3	2.3	17	76	58	149
31	3.1	---	5.4	4.2	---	7.9	---	3.2	---	73	55	---
TOTAL	434.3	108.0	149.7	133.9	95.4	98.2	170.2	96.3	296.0	1816	2751	10863
MEAN	14.0	3.60	4.83	4.32	3.41	3.17	5.67	3.11	9.87	58.6	88.7	362
MAX	37	5.4	6.4	5.0	4.1	7.9	14	7.2	19	113	145	1190
MIN	3.1	2.8	4.5	4.0	2.7	2.2	3.1	1.7	4.5	11	55	46
AC-FT	861	214	297	266	189	195	338	191	587	3600	5460	21550
CFSM	.13	.03	.04	.04	.03	.03	.05	.03	.09	.54	.81	3.32
IN.	.15	.04	.05	.05	.03	.03	.06	.03	.10	.62	.94	3.71

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	127	63.7	44.7	44.8	51.7	52.6	39.2	21.7	51.7	81.6	120	165
MAX	601	296	201	167	421	330	177	131	221	318	614	770
(WY)	1954	1948	1954	1948	1998	1998	1958	1958	1947	1947	1960	1960
MIN	14.0	3.60	4.83	4.32	3.41	3.17	1.89	1.05	3.12	3.13	8.87	12.6
(WY)	2001	2001	2001	2001	2001	2001	1956	1956	1956	1956	1950	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1947 - 2001**	
ANNUAL TOTAL	5156.8		17012.0			
ANNUAL MEAN	14.1		46.6		72.0	
HIGHEST ANNUAL MEAN					268	1960
LOWEST ANNUAL MEAN					15.1	1956
HIGHEST DAILY MEAN	99	Sep 19	1190	Sep 15	1680	Sep 23 1948
LOWEST DAILY MEAN	2.8	Nov 2	1.7	May 21	.50	May 22 1956
ANNUAL SEVEN-DAY MINIMUM	3.0	Oct 31	1.9	May 16	.69	May 21 1956
MAXIMUM PEAK FLOW			1220	Sep 15	1780	Sep 23 1948
MAXIMUM PEAK STAGE			8.10	Sep 15	10.67	Sep 23 1948
ANNUAL RUNOFF (AC-FT)	10230		33740		52190	
ANNUAL RUNOFF (CFSM)	.13		.43		.66	
ANNUAL RUNOFF (INCHES)	1.76		5.81		8.98	
10 PERCENT EXCEEDS	33		101		167	
50 PERCENT EXCEEDS	7.2		4.7		38	
90 PERCENT EXCEEDS	3.5		2.8		7.4	

02271500 JOSEPHINE CREEK NEAR DE SOTO CITY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-71, 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
14...	1256	2.28	3.1	--	4.7	5.7	181	22.6	--	--	--	--	--
FEB													
05...	1218	2.00	4.0	20	6.2	6.6	180	19.7	14.0	5.60	2.50	6.0	13.0
MAY													
21...	1328	1.87	1.6	--	6.7	6.0	184	28.3	--	--	--	--	--
JUL													
03...	1255	2.74	9.3	40	6.6	6.6	263	29.2	26.0	7.90	2.40	7.6	14.0
AUG													
06...	1250	5.43	140	120	4.3	5.6	156	26.6	13.0	4.40	2.00	6.7	13.0
SEP													
19...	1323	7.01	545	160	4.5	5.3	118	27.1	7.80	3.30	3.60	6.4	13.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
NOV											
14...	--	--	--	--	.41	.11	1.5	.01	.020	.040	--
FEB											
05...	<.1	8.5	30.0	120	.38	.05	1.4	<.01	.020	<.020	530
MAY											
21...	--	--	--	--	.56	.03	1.7	<.01	.030	.050	--
JUL											
03...	<.1	8.7	73.0	194	.54	.07	.6	<.01	.010	.030	970
AUG											
06...	<.1	5.0	36.0	136	1.3	.12	.1	<.01	.020	.040	430
SEP											
19...	<.1	3.1	18.0	E110cl	1.0	.08	.1	<.01	.060	.070	150

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

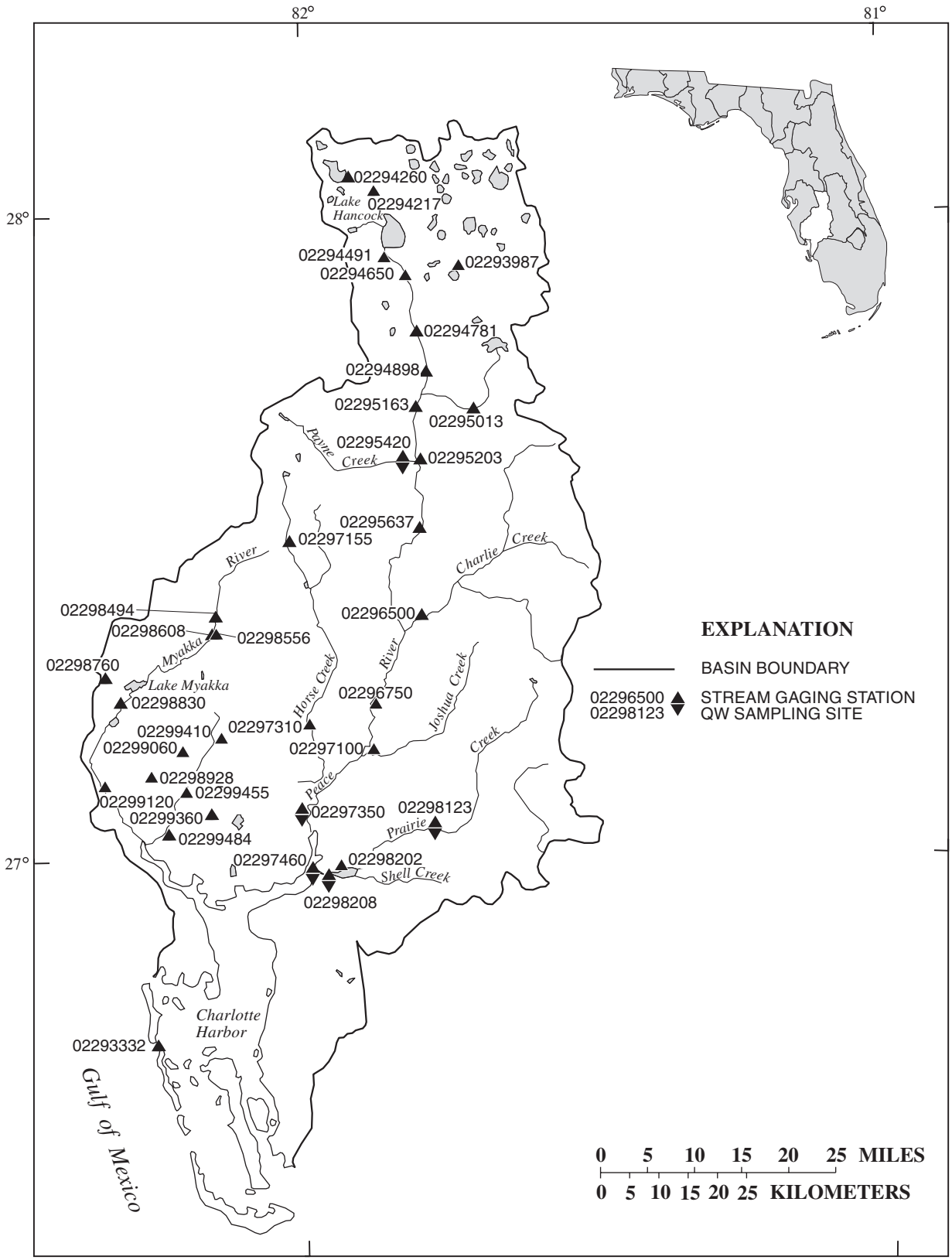

Figure 14.--Location of stream gaging stations in the Peace and Myakka River basins, Charlotte Harbor and Coastal area.

CHARLOTTE HARBOR AND COASTAL AREA

02293332 CHARLOTTE HARBOR AT PORT BOCA GRANDE, FL

LOCATION.--Lat 26°43'12", long 82°15'30", in SE ¼ sec.26, T.43 S., R.20 E., Lee County, Hydrologic Unit 03100103, on fishing pier on southeast shore of Gasparilla Island, 0.2 mi north of Boca Grande Pass.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--August 1996 to current year (incomplete). Records of gage heights prior to October 1996 are available in files of the Geological Survey.
REVISIONS.--WRD FL-98-3A: 1997. Gage height data published in WRD FL-98-3A on page 49 as October 1996 to September 1997 are incorrectly titled. The title should be gage height, water year October 1997 to September 1998.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).
REMARKS.--Records good. Stage affected by wind and tide.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.57 ft, Sept. 14, 2001; minimum, 1.69 ft below NGVD, Jan. 15, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.57 ft, Sept. 14; minimum, 1.49 ft below NGVD, Feb. 8.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.56	.26	1.61	.02	.97	-.58	.23	-.79	.72	-.43	.95	-.29
2	1.37	-.04	1.72	.09	1.11	-.37	.17	-.98	.45	-.68	1.14	-.34
3	1.72	.18	1.49	-.03	.91	-.21	.37	-.88	.64	-1.27	1.54	-.39
4	1.99	.45	1.38	.12	.73	-.40	.44	-.56	.83	-1.27	1.45	-.31
5	1.53	.17	1.44	.35	.82	-.22	1.25	-.74	.63	-1.41	.67	-.99
6	1.62	.17	1.70	.65	1.25	.02	1.21	-.58	1.02	-1.40	.93	-1.39
7	1.40	.08	1.61	.49	1.33	-.13	1.61	-.84	1.07	-1.43	1.01	-1.34
8	1.02	-.04	1.86	.76	1.65	-.26	1.67	-.88	1.07	-1.49	1.35	-1.03
9	.80	-.71	2.08	.56	1.77	-.48	1.52	-1.39	1.01	-1.36	1.56	-.64
10	.82	-.46	1.94	.53	1.82	-.58	1.17	-1.34	.92	-1.18	1.65	-.24
11	1.14	.11	1.80	-.20	2.14	-.68	1.35	-1.29	.62	-1.00	1.24	-.40
12	1.32	.21	1.85	-.31	2.14	-.64	1.30	-.97	.51	-.62	1.13	-.21
13	1.60	-.05	2.21	-.33	1.85	-.78	.89	-1.23	.55	-.63	1.39	-.44
14	1.66	.30	2.31	-.10	1.94	-.73	.87	-.76	.58	-.63	1.09	-.33
15	1.68	.07	1.67	-.73	1.57	-.72	.56	-.45	.73	-.69	1.37	-.26
16	1.80	-.09	1.70	-.33	1.28	-.33	.81	-.26	.81	-.78	1.23	-.23
17	1.87	.02	1.89	.00	1.39	-.68	.85	-.37	1.05	-.99	.88	-.42
18	1.74	-.13	1.28	-.20	.76	-.33	1.12	-.58	.50	-1.25	1.08	-.80
19	1.78	-.08	1.47	.23	.90	-.19	1.29	-.50	1.31	-1.41	1.28	-.57
20	1.73	.17	1.33	-.57	.64	-.72	.80	-.49	1.13	-.85	1.04	.03
21	1.59	.09	.12	-1.00	.98	-.71	.32	-1.40	1.20	-.72	.92	-.33
22	1.71	.11	.91	-1.05	.62	-.93	.29	-1.43	1.22	-.69	.64	-.85
23	1.42	.14	1.22	-.55	.66	-1.48	.37	-1.43	1.24	-.61	.79	-.71
24	1.31	.14	2.11	-.29	.53	-1.32	.69	-1.36	1.09	-.67	.92	-.53
25	1.90	.17	2.05	.02	.79	-1.45	.71	-1.40	1.13	-.38	.95	-.44
26	1.93	.42	1.95	-.20	1.38	-1.34	.49	-1.40	1.03	-.34	.84	-.60
27	1.93	.28	1.48	-.77	1.63	-.48	.55	-1.12	.54	-.46	.59	-.76
28	1.91	-.07	1.40	-.88	1.80	-.12	.70	-.87	.88	-.39	.98	-.51
29	1.99	.14	1.21	-.81	1.79	-.68	.67	-.56	---	---	1.72	-.41
30	1.88	.04	1.26	-.96	.95	-.97	.76	-.29	---	---	1.80	-.26
31	1.72	-.12	---	---	.36	-1.15	.73	-.30	---	---	1.29	-.54
MONTH	1.99	-.71	2.31	-1.05	2.14	-1.48	1.67	-1.43	1.31	-1.49	1.80	-1.39

02293332 CHARLOTTE HARBOR AT PORT BOCA GRANDE, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	.81	-.65	1.12	-1.14	1.15	-.07	1.35	-.29	1.36	-.62	1.85	.04
2	.98	-.85	1.14	-.46	1.45	-.22	1.53	-.34	1.88	-.02	1.75	.02
3	1.31	-.91	.93	-.35	1.27	-.48	1.53	-.50	1.89	.05	1.74	.20
4	1.34	-.61	.89	-.56	1.43	-.60	1.61	-.66	1.97	.11	1.59	.09
5	1.39	-.43	1.03	-.36	1.40	-.81	1.67	-.52	1.87	.06	1.52	.30
6	1.17	-.41	1.18	-.55	1.36	-.93	1.59	-.59	1.47	-.19	1.28	.19
7	1.13	-.36	1.38	-.56	1.43	-.88	1.59	-.50	1.13	-.04	1.59	.25
8	1.05	-.42	1.30	-.75	1.23	-.88	1.54	-.42	1.17	.27	1.61	.34
9	1.18	-.51	1.53	-.58	1.28	-.70	1.50	-.39	1.16	.36	1.59	.14
10	1.18	-.55	1.68	-.47	1.25	-.55	1.37	-.21	.99	.47	1.80	.07
11	1.59	-.35	1.55	-.42	1.29	-.35	1.26	.06	1.09	.25	1.54	-.64
12	1.33	-.38	1.39	-.41	1.06	-.29	1.11	.18	1.23	.06	1.53	-.21
13	1.35	-.48	1.34	-.44	.89	-.18	1.03	.27	1.31	-.06	1.76	.09
14	1.26	-.45	.98	-.43	.80	-.20	1.27	.23	1.46	-.20	3.57	.69
15	1.09	-.30	1.03	-.34	.85	-.14	1.36	-.15	1.73	-.26	2.10	-.15
16	1.00	-.40	.93	-.11	.88	-.32	1.41	-.18	1.93	-.28	1.76	.19
17	.77	-.41	.94	-.10	.89	-.60	1.69	-.41	1.77	-.56	1.82	.31
18	.26	-.89	.95	.01	1.12	-.87	1.71	-.65	1.97	-.34	1.93	.44
19	.74	-1.07	1.00	-.22	1.20	-1.00	1.87	-.77	2.21	-.05	1.85	.65
20	1.04	-.68	1.26	-.24	1.32	-1.04	1.75	-.80	1.92	-.06	2.03	.64
21	.92	-.25	1.65	-.19	1.53	-1.09	2.01	-.41	1.61	-.04	2.25	.64
22	.80	-.47	1.72	-.34	1.71	-.95	2.65	.68	1.41	.41	1.87	.38
23	1.09	-.52	1.89	-.47	1.89	-1.05	2.59	.28	1.50	.37	1.81	.35
24	1.16	-.69	1.75	-.65	1.49	-.94	1.68	.05	1.38	.13	1.82	.51
25	1.28	-.76	1.81	-.69	1.25	-.83	1.26	.12	1.37	.01	1.97	.35
26	1.02	-1.32	1.82	-.67	1.31	-.83	1.07	.19	1.46	-.15	1.45	.02
27	.89	-1.12	1.72	-.61	.82	-.76	1.17	.05	1.38	-.15	1.56	.27
28	1.46	-.82	1.50	-.44	.91	-.40	.99	-.28	1.39	-.30	1.87	.75
29	1.04	-1.15	1.33	-.42	1.04	-.06	1.05	-.43	1.55	-.07	1.70	.18
30	.81	-1.17	.90	-.37	1.24	-.14	1.19	-.39	1.67	.01	1.14	.26
31	---	---	.92	-.33	---	---	1.26	-.48	1.67	-.03	---	---
MONTH	1.59	-1.32	1.89	-1.14	1.89	-1.09	2.65	-.80	2.21	-.62	3.57	-.64
YEAR	3.57	-1.49										

PEACE RIVER BASIN

02293987 PEACE CREEK DRAINAGE CANAL NEAR WAHNETA, FL

LOCATION.--Lat 27°55'28", long 81°43'37", in SE $^1/_4$ sec.29, T.29 S., R.26 E., Polk County, Hydrologic Unit 03100101, on left bank, about 75 ft downstream from bridge on State Highway 665, 0.5 mi north of State Highway 60, 1.9 mi south of Wahneta, 3.5 mi north of Alturas, and 113 mi upstream from mouth of Peace River at Charlotte Harbour.
DRAINAGE AREA.--162 mi^2.
PERIOD OF RECORD.--March 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 62.00 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to May 10, 1995, 75 ft upstream on highway bridge at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	6.2	5.9	5.3	4.7	6.7	22	6.9	1.1	7.1	14	23
2	54	5.9	5.8	11	4.5	6.6	20	11	1.9	5.3	17	32
3	51	5.6	5.6	6.6	3.5	5.9	18	9.0	1.1	4.3	55	35
4	48	5.8	5.7	5.2	3.0	5.9	15	16	.66	4.4	119	49
5	45	6.3	5.7	5.1	2.8	9.3	13	6.9	.51	8.5	98	69
6	43	5.4	5.5	5.2	3.0	6.4	9.6	2.3	.54	6.2	64	102
7	41	5.3	5.6	5.2	3.4	5.9	6.7	1.4	.57	4.9	36	154
8	38	5.1	5.5	5.6	3.5	5.6	7.8	1.1	.73	5.0	32	199
9	39	4.9	5.5	6.6	3.5	5.5	8.3	.85	1.0	12	52	323
10	32	e4.9	5.7	5.5	3.5	5.7	7.8	.69	1.2	11	96	447
11	32	e4.9	6.0	5.7	3.5	5.6	5.5	.59	.77	9.5	110	464
12	24	e4.8	6.2	6.4	3.6	5.3	5.3	.48	.44	8.9	96	485
13	25	e4.8	6.1	5.9	5.4	5.5	5.0	.44	.33	9.1	81	468
14	20	e4.8	5.7	5.8	5.8	6.1	2.6	.37	.28	12	67	564
15	17	4.8	5.5	5.6	6.0	6.2	e1.7	.38	.25	25	50	574
16	20	4.8	5.5	5.5	6.0	5.8	e1.3	.38	.44	22	42	563
17	16	4.9	5.3	5.1	5.9	5.8	1.1	.35	.65	43	39	546
18	15	4.9	5.1	5.0	5.7	5.7	.67	.26	.97	24	36	526
19	15	4.8	4.7	4.7	5.5	6.5	.60	.25	1.7	15	32	502
20	14	4.5	5.2	5.8	6.0	9.0	.70	.25	1.8	21	33	478
21	13	4.6	5.5	6.1	6.1	7.5	.62	.31	1.6	22	36	453
22	13	4.9	6.0	5.7	6.2	6.9	.49	.75	3.7	24	40	436
23	10	5.0	6.1	5.6	6.0	6.5	.42	.37	6.3	21	42	427
24	10	5.3	5.4	5.4	5.9	4.9	.37	.24	5.2	16	44	410
25	9.1	5.4	5.1	5.2	6.0	3.3	.32	.21	3.9	8.9	42	402
26	8.8	5.7	4.9	5.1	6.0	3.3	1.4	.29	3.7	8.1	39	387
27	7.8	6.8	9.6	5.0	6.0	4.0	3.1	.30	4.1	6.9	35	369
28	6.9	6.3	6.5	4.9	6.9	4.1	3.8	.28	3.3	11	31	359
29	6.9	6.2	12	4.9	---	5.7	8.2	.49	4.7	14	27	343
30	6.8	6.1	7.3	5.0	---	32	11	.71	7.3	16	23	309
31	6.5	---	5.2	4.9	---	26	---	.76	---	20	23	---
TOTAL	745.8	159.7	185.4	174.6	137.9	229.2	182.39	64.60	60.74	426.1	1551	10498
MEAN	24.1	5.32	5.98	5.63	4.92	7.39	6.08	2.08	2.02	13.7	50.0	350
MAX	58	6.8	12	11	6.9	32	22	16	7.3	43	119	574
MIN	6.5	4.5	4.7	4.7	2.8	3.3	.32	.21	.25	4.3	14	23

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	140	65.4	70.3	109	93.3	91.8	65.5	12.3	26.4	65.6	148	207
MAX	372	228	335	443	556	572	232	28.8	89.1	172	451	386
(WY)	1995	1995	1998	1998	1998	1998	1998	1998	1994	1996	1995	1995
MIN	24.1	5.32	5.98	5.63	4.93	7.28	3.86	1.87	2.02	13.7	18.6	39.8
(WY)	2001	2001	2001	2001	2001	2000	1999	2000	2001	2001	1998	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1992 - 2001**	
ANNUAL TOTAL	7637.74		14415.43			
ANNUAL MEAN	20.9		39.5		91.2	
HIGHEST ANNUAL MEAN					211	1998
LOWEST ANNUAL MEAN					37.1	2000
HIGHEST DAILY MEAN	159	Sep 18	574	Sep 15	739	Sep 27 1994
LOWEST DAILY MEAN	.33	Jun 19	.21	May 25	.21	May 25 2001
ANNUAL SEVEN-DAY MINIMUM	1.2	May 26	.31	May 15	.31	May 15 2001
MAXIMUM PEAK FLOW			618	Sep 14	739	Sep 27 1994
MAXIMUM PEAK STAGE			43.61	Sep 14	44.16	Feb 23 1998
10 PERCENT EXCEEDS	64		54		299	
50 PERCENT EXCEEDS	7.8		5.9		32	
90 PERCENT EXCEEDS	1.8		.70		5.7	

PEACE RIVER BASIN

02294217 SADDLE CREEK AT STATE HIGHWAY 542 NEAR LAKELAND, FL

LOCATION.--Lat 28°02'38", long 81°52'35", in SE ¼ sec.14, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on State Highway 542, 3.7 mi upstream from Lake Hancock, 5.2 mi west of Lakeland, and 11.0 mi upstream from mouth.
DRAINAGE AREA.--53 mi^2, approximately.
PERIOD OF RECORD.--April 1987 to September 1988; August 1996 to current year. Records of discharge prior to October 1996 are available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is 90.00 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	.13	.00	.00	.00	.00	e.72	.00	.00	.00	2.2	1.5
2	3.0	.10	.00	.00	.00	.00	e.43	.00	.00	.00	5.0	1.3
3	2.7	.09	.00	.00	.00	.00	e.32	.00	.00	.00	15	1.2
4	2.4	.08	.00	.00	.00	.00	e.21	.00	.00	.00	16	.99
5	2.1	.07	.00	.00	.00	.00	e.12	.00	.00	.00	41	.93
6	1.9	.06	.00	.00	.00	.00	e.06	.00	.00	.00	32	1.5
7	1.6	.05	.00	.00	.00	.00	e.03	.00	.00	.00	87	3.4
8	1.4	.04	.00	.00	.00	.00	e.01	.00	.00	.00	86	29
9	1.3	.04	.00	.00	.00	.00	e.00	.00	.00	.00	58	121
10	1.1	.03	.00	.00	.00	.00	e.00	.00	.00	.00	40	147
11	.96	.02	.00	.00	.00	.00	e.00	.00	.00	.00	27	122
12	.86	.01	.00	.00	.00	.00	.00	.00	.00	.00	21	98
13	.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	18	e77
14	.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	16	e140
15	.67	.00	.00	.00	.00	.00	.00	.00	.00	e.39	15	e300
16	.61	.00	.00	.00	.00	.00	.00	.00	.00	.71	17	264
17	.57	.00	.00	.00	.00	.00	.00	.00	.00	.41	15	212
18	.52	.00	.00	.00	.00	.00	.00	.00	.00	.93	15	175
19	.46	.00	.00	.00	.00	.00	.00	.00	.00	.73	21	148
20	.46	.00	.00	.00	.00	.00	.00	.00	.00	.78	16	131
21	.47	.00	.00	.00	.00	.00	.00	.00	.00	4.2	12	115
22	.43	.00	.00	.00	.00	.00	.00	.00	.00	3.2	10	104
23	.35	.00	.00	.00	.00	.00	.00	.00	.00	1.7	7.8	96
24	.30	.00	.00	.00	.00	.00	.00	.00	.00	1.1	6.0	93
25	.27	.00	.00	.00	.00	.00	.00	.00	.00	.81	4.9	117
26	.25	.00	.00	.00	.00	.00	.00	.00	e.00	6.6	4.0	113
27	.23	.00	.00	.00	.00	.00	.00	.00	e.00	4.6	3.3	101
28	.19	.00	.00	.00	.00	.00	.00	.00	e.00	2.0	2.8	90
29	.17	.00	.00	.00	---	e.03	.00	.00	e.00	.93	2.3	80
30	.16	.00	.00	.00	---	e2.3	.00	.00	.00	.50	1.8	69
31	.15	---	.00	.00	---	e1.0	---	.00	---	.40	1.6	---
TOTAL	30.66	0.72	0.00	0.00	0.00	3.33	1.90	0.00	0.00	29.99	619.7	2952.82
MEAN	.99	.024	.000	.000	.000	.11	.063	.000	.000	.97	20.0	98.4
MAX	3.6	.13	.00	.00	.00	2.3	.72	.00	.00	6.6	87	300
MIN	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.6	.93
AC-FT	61	1.4	.00	.00	.00	6.6	3.8	.00	.00	59	1230	5860
CFSM	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.38	1.86
IN.	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.43	2.07

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	35.3	23.3	53.0	35.6	38.5	53.3	13.5	2.54	6.24	22.6	49.0	73.6
MAX	81.0	97.6	286	188	208	253	65.4	10.3	32.1	99.9	115	219
(WY)	1999	1998	1998	1998	1998	1998	1998	1998	1997	1997	1997	1988
MIN	.99	.024	.000	.000	.000	.035	.000	.000	.000	.10	4.18	11.6
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000	1998	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1988 - 2001**	
ANNUAL TOTAL	723.10		3639.12			
ANNUAL MEAN	1.98		9.97		33.9	
HIGHEST ANNUAL MEAN					104	1998
LOWEST ANNUAL MEAN					5.50	2000
HIGHEST DAILY MEAN	103	Sep 18	300	Sep 15	597	Dec 14 1997
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 13	.00	Nov 13	.00	Apr 13 1999
MAXIMUM PEAK FLOW			306	Sep 15	609	Dec 14 1997
MAXIMUM PEAK STAGE			15.72	Sep 15	16.63	Dec 14 1997
ANNUAL RUNOFF (AC-FT)	1430		7220		24550	
ANNUAL RUNOFF (CFSM)	.037		.19		.64	
ANNUAL RUNOFF (INCHES)	.51		2.55		8.69	
10 PERCENT EXCEEDS	3.6		16		117	
50 PERCENT EXCEEDS	.00		.00		5.1	
90 PERCENT EXCEEDS	.00		.00		.00	

PEACE RIVER BASIN

02294260 LAKE PARKER OUTLET AT LAKELAND, FL

LOCATION.--Lat 28°03'34", long 81°54'52", in SE ¼ sec.9, T.25 S., R.24 E., Polk County, Hydrologic Unit 03100101, at Lake Parker Outlet, 0.9 mi northeast of old Lakeland power plant, and 2.8 mi northeast of Lakeland.
DRAINAGE AREA.--Undetermined.
PERIOD OF RECORD.--Water years 1956-59, 1967, 1969, 1997-99 (miscellaneous discharge measurements only); December 1999 to current year.
GAGE.--Water-stage recorder. Datum of gage is 126.37 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	27
15	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	75
16	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	70
17	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	72
18	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	31
19	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.01
23	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.02
24	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.13
25	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.81
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.91
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.1
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.4
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	2.0
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	1.9
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	283.41
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	9.45
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	75
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	562

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	9.45
MAX	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	9.45
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	9.45
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**	
ANNUAL TOTAL			283.41	
ANNUAL MEAN			.78	
HIGHEST DAILY MEAN			75	Sep 15
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1
MAXIMUM PEAK FLOW			89	Sep 15
MAXIMUM PEAK STAGE			4.01	Sep 15
ANNUAL RUNOFF (AC-FT)			562	
10 PERCENT EXCEEDS	.00		.00	
50 PERCENT EXCEEDS	.00		.00	
90 PERCENT EXCEEDS	.00		.00	

PEACE RIVER BASIN

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

LOCATION.--Lat 27°56'17", long 81°51'05", in SW $\frac{1}{4}$ sec.19, T.29 S., R.25 E., Polk County, Hydrologic Unit 03100101, near right bank, 65 ft downstream from structure P-11, 0.7 mi south of Lake Hancock, 2.3 mi upstream from mouth, and 3.0 mi north of post office in Bartow.
DRAINAGE AREA.--135 mi^2.
PERIOD OF RECORD.--December 1963 to current year.
GAGE.--Water-stage recorder. Datum of gage is 84.08 ft above National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District reference mark).
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.02	.00	.00	.00	.00	1.3	.00	.00	.00	.00	e2.0
2	.06	.00	.00	.00	.00	.00	.72	.00	.00	.00	.00	e3.0
3	.06	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00	e4.0
4	.07	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	e3.0
5	.06	.00	.00	.00	.00	.00	.18	.00	.00	.00	.00	e2.0
6	.06	.00	.00	.00	.00	.00	.12	.00	.00	.00	e2.0	e3.0
7	.06	.00	.00	.00	.00	.00	.06	.00	.00	.00	e5.0	3.3
8	.06	.00	.00	.00	.00	.00	.03	.00	.00	.00	e3.0	9.8
9	.06	.00	.00	.00	.00	.00	.02	.00	.00	.00	e2.0	e24
10	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	e39
11	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	48
12	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	56
13	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	63
14	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	99
15	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	129
16	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	138
17	.05	.00	.00	.00	.00	.00	.00	.00	.00	e1.5	e1.0	139
18	.05	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	e1.0	117
19	.05	.00	.00	.00	.00	.00	.00	.00	.00	e.70	e1.0	102
20	.05	.00	.00	.00	.00	.00	.00	.00	.00	e.30	e1.0	112
21	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	e2.0	118
22	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	162
23	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	204
24	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	218
25	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	282
26	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	309
27	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	285
28	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	e1.0	229
29	.06	.00	.00	.00	---	.03	.00	.00	.00	.00	e1.0	224
30	.07	.00	.00	.00	---	2.1	.00	.00	.00	.00	e2.0	217
31	.07	---	.00	.00	---	1.4	---	.00	---	.00	e1.0	---
TOTAL	1.77	0.02	0.00	0.00	0.00	3.53	3.16	0.00	0.00	4.50	42.00	3344.1
MEAN	.057	.001	.000	.000	.000	.11	.11	.000	.000	.15	1.35	111
MAX	.07	.02	.00	.00	.00	2.1	1.3	.00	.00	2.0	5.0	309
MIN	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	69.4	29.6	34.1	55.4	60.8	66.3	47.8	16.8	32.0	70.8	113	110
MAX	288	204	505	516	444	647	265	290	207	290	693	395
(WY)	1980	1998	1998	1998	1998	1998	1983	1979	1982	1982	1995	1995
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1968	1968	1968	1968	1968	1968	1966	1968	1965	1967	1967	1980

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1965 - 2001**	
ANNUAL TOTAL	216.33		3399.08			
ANNUAL MEAN	.59		9.31		58.9	
HIGHEST ANNUAL MEAN					234	1998
LOWEST ANNUAL MEAN					.25	1975
HIGHEST DAILY MEAN	42	Jan 23	309	Sep 26	831	Aug 5 1995
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 11	.00	Nov 2	.00	Apr 28 1965
MAXIMUM PEAK FLOW			358	Sep 25	894	Aug 15 1995
MAXIMUM PEAK STAGE			13.97	Sep 25	15.90	Aug 15 1995
10 PERCENT EXCEEDS	.57		2.0		219	
50 PERCENT EXCEEDS	.02		.00		.55	
90 PERCENT EXCEEDS	.00		.00		.00	

PEACE RIVER BASIN

02294650 PEACE RIVER AT BARTOW, FL

LOCATION.--Lat 27°54'07", long 81°49'03", in NE ¼ sec.4, T.30 S., R.25 E., Polk County, Hydrologic Unit 03100101, near center of span on upstream side of westbound bridge on State Highway 60, 500 ft downstream from McKinney Branch, 0.6 mi east of Bartow, and 105 mi upstream from mouth.
DRAINAGE AREA.--390 mi^2.
PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1950, published as Peace Creek at Bartow.
REVISED RECORDS.--WSP 1234: Drainage area. WRD FL 1970: 1969.
GAGE.--Water-stage recorder. Datum of gage is 87.56 ft above National Geodetic Vertical Datum of 1929. Prior to July 12, 1940, nonrecording gage and July 12, 1940, to Nov. 5, 1948, water-stage recorder at site 200 ft downstream; prior to May 1, 1975, at datum 3.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. 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, considerable regulation upstream by control structure P-11 on Saddle Creek. Maximum discharge from rating curve extended above 2,900 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	7.9	e6.4	5.0	e4.4	e4.5	26	3.3	4.3	.42	30	22
2	66	7.4	e6.0	5.1	e4.3	e4.5	23	3.0	1.8	.14	31	20
3	62	e7.2	e5.6	8.5	4.0	4.4	19	3.5	.23	.41	33	38
4	60	6.9	e5.4	6.4	e3.4	9.4	17	5.5	.10	2.4	37	26
5	57	7.0	5.2	4.8	3.2	9.7	14	5.6	1.3	12	58	30
6	54	7.1	5.4	4.6	2.9	8.8	12	4.1	.24	11	63	40
7	51	6.8	5.3	4.5	3.0	7.3	10	1.8	.84	7.2	77	52
8	48	6.8	5.2	6.0	2.9	5.6	8.0	1.0	1.1	6.1	69	63
9	45	6.6	5.2	7.2	e2.9	5.0	7.3	.47	.23	5.8	66	84
10	42	6.4	5.3	7.1	e2.6	4.8	7.3	.22	.06	7.6	67	127
11	40	6.4	5.4	6.1	e2.7	4.5	7.0	.06	.00	9.7	68	198
12	37	6.3	6.1	6.0	2.9	4.1	5.5	.00	.00	9.7	69	267
13	34	6.3	6.5	6.3	3.1	3.7	4.7	.00	.00	11	70	321
14	32	6.4	6.4	5.9	4.4	3.9	4.3	.00	.00	15	68	552
15	29	6.5	5.7	5.7	4.9	4.0	3.0	.00	.05	16	66	737
16	26	6.4	5.1	5.4	5.0	3.8	2.1	.00	.02	14	63	787
17	25	6.5	5.2	5.6	5.0	3.5	1.7	.00	.00	23	59	790
18	23	6.9	5.1	5.4	4.9	3.4	1.3	.00	1.8	27	56	756
19	22	6.3	4.7	5.2	4.7	3.7	.99	.00	4.7	25	53	657
20	20	6.1	4.8	8.5	4.5	4.8	.78	.00	.28	27	49	644
21	19	5.8	5.0	6.8	4.9	4.7	.56	.00	.12	30	45	650
22	18	6.0	5.2	6.7	5.0	4.6	.43	.00	.28	26	43	650
23	17	6.1	5.5	6.2	4.9	3.5	.27	.00	1.0	24	40	692
24	15	6.3	5.5	5.9	4.8	2.9	.13	.00	.74	25	38	690
25	14	6.7	4.9	e5.5	4.7	2.3	.04	.00	.40	23	37	711
26	13	7.2	4.6	e5.1	4.5	1.5	.21	.00	.07	26	39	787
27	12	7.4	4.7	4.8	4.5	1.2	.27	.00	.02	22	34	792
28	11	7.1	8.1	4.5	4.6	1.1	.15	.00	.04	21	32	704
29	9.9	6.9	7.4	4.6	---	12	1.1	.00	.57	20	30	648
30	9.2	e6.5	9.7	4.8	---	38	2.0	.00	1.9	19	27	623
31	8.6	---	7.1	5.0	---	28	---	.00	---	22	24	---
TOTAL	988.7	200.2	177.7	179.2	113.6	203.2	180.13	28.55	22.19	488.47	1541	13158
MEAN	31.9	6.67	5.73	5.78	4.06	6.55	6.00	.92	.74	15.8	49.7	439
MAX	69	7.9	9.7	8.5	5.0	38	26	5.6	4.7	30	77	792
MIN	8.6	5.8	4.6	4.5	2.6	1.1	.04	.00	.00	.14	24	20

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	313	142	130	169	187	226	175	86.4	144	272	379	438
MAX	1411	597	1114	1053	1217	1536	1107	649	1319	1366	1528	2261
(WY)	1954	1954	1954	1998	1998	1998	1959	1957	1959	1959	1960	1960
MIN	20.2	6.67	5.73	5.78	4.06	6.55	4.06	.92	.74	15.8	17.5	37.4
(WY)	1991	2001	2001	2001	2001	2001	1999	2001	2001	2001	1989	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1940 - 2001**	
ANNUAL TOTAL	9860.05		17280.94			
ANNUAL MEAN	26.9		47.3		222	
HIGHEST ANNUAL MEAN					814	1960
LOWEST ANNUAL MEAN					35.2	1985
HIGHEST DAILY MEAN	105	Aug 18	792	Sep 27	4100	Sep 24 1947
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 19	.00	May 12	.00	May 19 2000
MAXIMUM PEAK FLOW			807	Sep 26	4140	Sep 24 1947
MAXIMUM PEAK STAGE			7.79	Sep 26	11.01	Sep 13 1960
10 PERCENT EXCEEDS	76		62		594	
50 PERCENT EXCEEDS	11		6.0		102	
90 PERCENT EXCEEDS	.00		.14		17	

PEACE RIVER BASIN

02294650 PEACE RIVER AT BARTOW, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.53	2.77	---	2.61	---	---	3.59	2.50	2.05	2.20	3.85	3.50
2	4.46	2.74	---	2.61	---	---	3.46	2.48	2.35	2.11	3.86	3.44
3	4.39	---	---	2.81	2.55	2.57	3.33	2.52	2.14	2.20	3.96	4.13
4	4.33	2.72	---	2.69	---	2.83	3.21	2.64	2.06	2.36	4.08	3.69
5	4.26	2.73	2.62	2.60	2.50	2.87	3.09	2.64	2.32	3.02	4.74	3.81
6	4.19	2.73	2.63	2.58	2.48	2.82	3.01	2.55	2.15	3.01	4.87	4.18
7	4.13	2.71	2.62	2.58	2.48	2.74	2.89	2.39	2.28	2.77	5.22	4.57
8	4.06	2.71	2.62	2.67	2.48	2.64	2.78	2.31	2.30	2.70	5.04	4.88
9	3.98	2.70	2.62	2.73	---	2.61	2.74	2.21	2.14	2.68	4.96	5.31
10	3.92	2.69	2.62	2.73	---	2.59	2.74	2.14	2.06	2.79	4.97	5.75
11	3.85	2.69	2.63	2.67	---	2.58	2.72	2.05	1.97	2.92	5.01	6.14
12	3.78	2.69	2.67	2.67	2.48	2.55	2.64	1.95	1.86	2.91	5.02	6.45
13	3.69	2.68	2.70	2.68	2.49	2.53	2.59	1.86	1.75	2.97	5.07	6.65
14	3.63	2.69	2.69	2.66	2.57	2.54	2.56	1.77	1.70	3.17	5.01	7.27
15	3.53	2.69	2.65	2.65	2.60	2.55	2.48	1.69	2.03	3.26	4.95	7.67
16	3.45	2.69	2.61	2.63	2.61	2.53	2.42	1.61	2.01	3.17	4.86	7.76
17	3.42	2.70	2.62	2.64	2.61	2.52	2.38	1.63	1.89	3.57	4.78	7.76
18	3.35	2.72	2.61	2.63	2.60	2.51	2.34	1.55	2.07	3.72	4.68	7.70
19	3.31	2.68	2.59	2.62	2.59	2.53	2.30	1.46	2.57	3.65	4.59	7.52
20	3.27	2.67	2.59	2.80	2.58	2.60	2.27	1.35	2.16	3.71	4.47	7.49
21	3.23	2.66	2.61	2.71	2.60	2.59	2.23	1.27	2.08	3.84	4.36	7.50
22	3.19	2.67	2.62	2.71	2.61	2.58	2.21	1.24	2.10	3.71	4.30	7.50
23	3.14	2.67	2.64	2.68	2.60	2.52	2.16	1.22	2.30	3.59	4.20	7.58
24	3.08	2.68	2.64	2.66	2.60	2.48	2.10	1.18	2.26	3.65	4.13	7.58
25	3.04	2.71	2.60	---	2.59	2.43	2.04	1.33	2.19	3.57	4.09	7.62
26	3.00	2.74	2.58	---	2.58	2.37	2.12	1.23	2.06	3.67	4.16	7.76
27	2.96	2.75	2.59	2.59	2.58	2.33	2.16	1.14	2.01	3.55	3.99	7.76
28	2.90	2.73	2.78	2.58	2.58	2.32	2.11	1.07	2.04	3.47	3.91	7.60
29	2.86	2.71	2.74	2.59	---	2.85	2.31	1.07	2.05	3.43	3.82	7.50
30	2.83	---	2.87	2.59	---	3.95	2.41	1.35	2.37	3.40	3.70	7.44
31	2.80	---	2.73	2.61	---	3.64	---	1.33	---	3.51	3.59	---
MEAN	3.57	2.70	2.65	2.65	2.56	2.66	2.58	1.77	2.11	3.17	4.46	6.38
MAX	4.53	2.77	2.87	2.81	2.61	3.95	3.59	2.64	2.57	3.84	5.22	7.76
MIN	2.80	2.66	2.58	2.58	2.48	2.32	2.04	1.07	1.70	2.11	3.59	3.44

PEACE RIVER BASIN

02294781 PEACE RIVER NEAR HOMELAND, FL

LOCATION.--Lat 27°49'15", long 81°47'59", in SE $\frac{1}{4}$ sec.34, T.30 S., R.25 E., Polk County, Hydrologic Unit 03100101, near center of span on downstream side of bridge on State Highway 640, 1.6 mi east of U. S. Highway 17 in Homeland, and 97 mi upstream from mouth.
DRAINAGE AREA.--411 mi^2.
PERIOD OF RECORD.--1974, 1979 (miscellaneous highwater discharge measurements only); October 1980 to June 1998 (discharge measurements only); July 1998 to current year (gage heights and discharge measurements only).
REVISED RECORDS.--WRD FL-98-3A: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Extremes for period of record are comprised of gage heights that occurred during period of daily record.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 88.57 ft, Oct. 1, 1998; river dry at gage many days in 2000, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 87.20 ft, Sept. 18, 19; river dry at gage many days.

DISCHARGE MEASUREMENTS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPETEMBER 2001

DATE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	DATE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
OCT		APR	
31...	.00	09...	9.6
DEC		JUN	
20...	.35	05...	.00
FEB		AUG	
14...	.00	07...	76

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83.18	81.12	81.14	81.15	81.19	80.98	81.29	---	---	82.87	82.06	82.41
2	83.03	81.10	81.14	81.15	81.19	80.97	81.62	---	---	82.73	82.18	82.38
3	82.93	81.08	81.14	81.16	81.18	80.95	82.08	---	---	82.54	82.41	82.35
4	82.85	81.07	81.14	81.15	81.18	81.00	82.00	---	---	82.21	82.71	82.35
5	82.75	81.07	81.13	81.16	81.18	81.14	81.81	---	---	82.35	82.89	82.52
6	82.66	81.08	81.13	81.16	81.17	81.12	81.75	---	---	82.52	83.14	83.11
7	82.57	81.08	81.13	81.16	81.17	81.09	81.74	---	---	82.35	83.49	83.26
8	82.47	81.08	81.13	81.17	81.16	81.06	81.70	---	---	82.17	83.80	83.42
9	82.36	81.08	81.13	81.18	81.16	81.05	81.66	---	---	82.09	83.92	83.70
10	82.26	81.08	81.13	81.17	81.15	81.04	81.47	---	---	82.17	83.93	83.95
11	82.15	81.08	81.14	81.17	81.14	81.03	81.25	---	---	82.23	83.95	84.07
12	82.04	81.08	81.15	81.18	81.14	81.01	81.12	---	---	82.17	83.91	84.11
13	81.92	81.07	81.17	81.18	81.14	80.99	81.06	---	---	82.23	83.93	84.33
14	81.78	81.07	81.18	81.19	81.14	80.99	81.03	---	---	82.46	83.86	85.44
15	81.66	81.08	81.18	81.19	81.14	80.99	80.99	---	---	82.63	83.67	86.47
16	81.52	81.08	81.18	81.19	81.13	80.97	80.95	---	---	83.06	83.16	86.93
17	81.37	81.08	81.17	81.19	81.13	80.95	80.90	---	---	83.09	83.27	87.10
18	81.28	81.09	81.16	81.19	81.18	80.92	80.85	---	---	83.05	83.31	87.18
19	81.21	81.09	81.15	81.19	81.19	80.91	80.81	---	---	83.01	83.41	87.16
20	81.17	81.09	81.16	81.22	81.14	80.93	80.76	---	---	82.94	83.30	87.03
21	81.14	81.08	81.16	81.22	81.11	80.92	80.72	---	---	82.90	83.05	86.97
22	81.17	81.07	81.16	81.20	81.09	80.90	80.67	---	---	82.93	82.90	86.99
23	81.21	81.06	81.16	81.20	81.07	80.87	80.63	---	---	82.85	82.77	87.02
24	81.19	81.07	81.16	81.19	81.05	80.84	80.59	---	---	82.80	82.68	87.08
25	81.16	81.08	81.15	81.19	81.04	80.81	80.54	---	---	82.73	82.63	87.13
26	81.15	81.13	81.15	81.19	81.03	80.78	80.53	---	---	82.77	82.59	87.05
27	81.14	81.19	81.15	81.18	81.01	80.74	80.47	---	82.06	82.69	82.58	87.10
28	81.13	81.19	81.17	81.18	80.99	80.70	80.42	---	82.17	82.65	82.54	87.11
29	81.16	81.17	81.18	81.19	---	80.73	---	---	82.42	82.45	82.47	86.99
30	81.16	81.15	81.17	81.20	---	81.26	---	---	82.56	82.15	82.40	86.80
31	81.14	---	81.16	81.20	---	81.29	---	---	---	82.02	82.45	---
MEAN	81.80	81.09	81.15	81.18	81.13	80.97	81.12	---	82.30	82.57	83.08	85.32
MAX	83.18	81.19	81.18	81.22	81.19	81.29	82.08	---	82.56	83.09	83.95	87.18
MIN	81.13	81.06	81.13	81.15	80.99	80.70	80.42	---	82.06	82.02	82.06	82.35

PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL

LOCATION.--Lat 27°45'04", long 81°46'56", in SE $\frac{1}{4}$ 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 downstream from Sink Branch, 1.2 mi east of U. S. Highway 17 in Fort Meade, and 92 mi upstream from mouth.
DRAINAGE AREA.--480 mi^2.
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.
REVISED RECORDS.--WRD FL-84-3A: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 10, 1974, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Water diverted into river from ground-water sources by upstream mining industries affects flow on many days. Significant loss of water to ground-water system may occur each year between 02294650 Peace River at Bartow and this station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	2.8	3.3	3.0	3.8	1.8	23	.70	3.5	185	23	19
2	72	2.6	3.2	3.0	3.7	1.8	14	.74	2.1	118	28	18
3	66	2.6	3.1	2.9	3.5	1.7	26	.98	1.8	72	43	22
4	62	2.4	3.1	2.9	3.4	3.3	30	2.5	.99	50	51	22
5	57	2.5	3.0	2.8	3.6	4.9	24	1.8	.78	49	61	42
6	51	2.5	2.9	3.0	3.4	4.2	16	1.1	.79	44	78	93
7	47	2.5	2.8	2.9	3.4	3.5	14	.90	1.1	37	106	156
8	42	2.5	2.7	3.0	3.3	3.0	13	.70	2.4	28	112	311
9	37	2.5	2.7	3.3	3.3	2.7	12	.58	1.9	25	120	237
10	33	2.7	2.7	3.3	3.3	2.7	9.3	.46	1.2	26	117	301
11	29	2.6	2.8	3.3	3.2	2.6	4.7	.47	.88	30	115	300
12	25	2.4	3.1	3.4	3.1	2.3	2.1	.47	.78	26	107	246
13	22	2.3	3.1	3.4	3.0	2.2	1.4	.43	1.2	27	109	207
14	18	2.4	3.1	3.5	3.0	2.2	1.1	.43	1.7	45	101	532
15	14	2.5	3.0	3.6	3.0	2.2	.91	.39	2.0	55	90	827
16	10	2.4	2.9	3.6	2.8	2.0	.74	.42	1.9	56	68	870
17	7.1	2.7	2.9	3.6	2.6	1.8	.65	.28	1.3	73	54	901
18	5.1	3.1	2.7	3.7	2.5	1.7	.53	.27	1.2	88	61	896
19	4.1	2.9	2.6	3.6	2.4	2.0	.53	.22	1.9	72	81	886
20	3.6	2.8	2.7	5.2	2.7	2.9	.54	.22	1.7	64	72	855
21	3.5	2.6	2.7	4.8	2.7	2.8	.49	.43	1.1	57	e100	821
22	3.3	2.5	2.7	4.4	2.6	2.4	.38	5.9	1.7	60	e90	804
23	3.3	2.5	2.7	4.2	2.5	2.1	.30	5.3	3.3	60	e70	818
24	3.4	2.6	2.7	4.0	2.5	1.9	.28	3.3	3.7	59	35	810
25	3.2	3.0	2.7	3.7	2.4	1.7	.35	2.4	3.2	52	30	830
26	3.1	3.7	2.8	3.6	2.2	1.6	.47	2.3	2.8	55	27	838
27	3.0	4.3	2.8	3.6	2.1	1.5	.47	1.8	6.3	50	25	834
28	2.9	4.1	3.1	3.6	2.0	1.4	.39	1.1	22	47	24	884
29	2.9	3.7	3.3	3.6	---	4.3	.45	1.3	30	39	21	921
30	2.9	3.5	3.3	3.8	---	43	.61	1.2	56	27	19	841
31	2.9	---	3.1	3.8	---	40	---	2.5	---	22	19	---
TOTAL	723.3	84.2	90.3	110.1	82.0	154.2	198.69	41.59	161.22	1698	2057	16142
MEAN	23.3	2.81	2.91	3.55	2.93	4.97	6.62	1.34	5.37	54.8	66.4	538
MAX	84	4.3	3.3	5.2	3.8	43	30	5.9	56	185	120	921
MIN	2.9	2.3	2.6	2.8	2.0	1.4	.28	.22	.78	22	19	18
CFSM	.05	.01	.01	.01	.01	.01	.01	.00	.01	.11	.14	1.12
IN.	.06	.01	.01	.01	.01	.01	.02	.00	.01	.13	.16	1.25

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	257	113	123	170	170	194	145	70.7	92.5	205	317	364
MAX	976	452	980	1232	1423	1850	798	679	430	697	1587	1142
(WY)	1995	1995	1998	1998	1998	1998	1998	1979	1982	1982	1995	1995
MIN	12.7	2.81	2.91	3.55	2.93	4.57	1.28	.58	.60	8.85	54.9	30.3
(WY)	1991	2001	2001	2001	2001	2000	2000	2000	2000	2000	1989	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1975 - 2001**	
ANNUAL TOTAL	9008.27		21542.60			
ANNUAL MEAN	24.6		59.0		185	
HIGHEST ANNUAL MEAN					633	1998
LOWEST ANNUAL MEAN					37.6	1981
HIGHEST DAILY MEAN	211	Sep 18	921	Sep 29	2220	Feb 23 1998
LOWEST DAILY MEAN	.06	May 29	.22	May 19	.06	May 29 2000
ANNUAL SEVEN-DAY MINIMUM	.07	May 26	.32	May 14	.07	May 26 2000
MAXIMUM PEAK FLOW			959	Sep 28	2250	Feb 23 1998
MAXIMUM PEAK STAGE			77.24	Sep 28	78.85	Feb 23 1998
ANNUAL RUNOFF (CFSM)	.051		.12		.39	
ANNUAL RUNOFF (INCHES)	.70		1.67		5.24	
10 PERCENT EXCEEDS	78		91		502	
50 PERCENT EXCEEDS	3.1		3.3		76	
90 PERCENT EXCEEDS	.34		.91		7.6	

PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.72	69.84	69.91	69.90	69.93	69.79	70.56	69.74	69.85	72.93	70.75	70.66
2	71.53	69.83	69.91	69.90	69.93	69.78	70.33	69.74	69.76	72.15	70.87	70.64
3	71.43	69.83	69.90	69.90	69.92	69.78	70.64	69.76	69.75	71.54	71.22	70.74
4	71.37	69.82	69.90	69.90	69.91	69.88	70.75	69.90	69.67	71.19	71.37	70.74
5	71.27	69.83	69.90	69.89	69.92	69.98	70.62	69.85	69.64	71.20	71.54	71.11
6	71.18	69.83	69.89	69.90	69.90	69.95	70.46	69.78	69.64	71.14	71.82	72.05
7	71.09	69.83	69.89	69.90	69.90	69.91	70.41	69.75	69.67	71.02	72.23	72.69
8	71.00	69.83	69.88	69.90	69.89	69.87	70.39	69.73	69.79	70.84	72.31	74.33
9	70.90	69.83	69.88	69.92	69.89	69.85	70.35	69.71	69.75	70.80	72.42	73.70
10	70.80	69.85	69.88	69.91	69.89	69.85	70.27	69.69	69.69	70.83	72.37	74.28
11	70.71	69.84	69.89	69.91	69.88	69.84	70.08	69.69	69.65	70.93	72.35	74.27
12	70.62	69.83	69.91	69.92	69.88	69.82	69.92	69.69	69.64	70.82	72.25	73.78
13	70.53	69.83	69.91	69.92	69.87	69.82	69.86	69.69	69.68	70.87	72.27	73.41
14	70.42	69.83	69.91	69.92	69.87	69.82	69.83	69.69	69.73	71.25	72.16	75.53
15	70.31	69.84	69.91	69.93	69.87	69.82	69.81	69.68	69.76	71.44	72.01	76.90
16	70.20	69.83	69.91	69.93	69.86	69.80	69.78	69.68	69.75	71.45	71.66	77.01
17	70.08	69.85	69.90	69.93	69.85	69.78	69.77	69.65	69.70	71.75	71.43	77.09
18	69.99	69.88	69.89	69.93	69.84	69.77	69.75	69.65	69.69	71.98	71.55	77.08
19	69.94	69.87	69.89	69.93	69.83	69.80	69.75	69.64	69.75	71.73	71.87	77.06
20	69.91	69.86	69.89	70.01	69.85	69.87	69.76	69.64	69.73	71.60	71.73	76.98
21	69.90	69.85	69.89	70.00	69.85	69.86	69.75	69.64	69.68	71.48	---	76.88
22	69.88	69.85	69.90	69.97	69.85	69.83	69.73	69.98	69.73	71.53	---	76.83
23	69.88	69.85	69.90	69.96	69.84	69.81	69.71	69.96	69.85	71.54	---	76.87
24	69.89	69.86	69.89	69.94	69.84	69.79	69.71	69.85	69.88	71.52	71.04	76.85
25	69.88	69.88	69.89	69.93	69.83	69.78	69.71	69.79	69.85	71.38	70.94	76.91
26	69.87	69.92	69.89	69.92	69.82	69.77	69.73	69.78	69.82	71.45	70.87	76.93
27	69.87	69.96	69.89	69.92	69.81	69.76	69.73	69.74	69.97	71.36	70.81	76.92
28	69.85	69.95	69.91	69.92	69.80	69.75	69.71	69.68	70.49	71.28	70.78	77.05
29	69.84	69.93	69.92	69.92	---	69.89	69.71	69.70	70.68	71.14	70.72	77.14
30	69.85	69.93	69.92	69.93	---	71.00	69.74	69.68	71.17	70.85	70.66	76.94
31	69.85	---	69.91	69.93	---	70.94	---	69.75	---	70.72	70.65	---
MEAN	70.44	69.86	69.90	69.93	69.87	69.90	70.01	69.74	69.85	71.35	71.52	74.98
MAX	71.72	69.96	69.92	70.01	69.93	71.00	70.75	69.98	71.17	72.93	72.42	77.14
MIN	69.84	69.82	69.88	69.89	69.80	69.75	69.71	69.64	69.64	70.72	70.65	70.64

PEACE RIVER BASIN

02295013 BOWLEGS CREEK NEAR FT. MEADE, FL

LOCATION.--Lat 27°41'59", long 81°41'44", in NE $^1/_4$ sec.15, T.32 S., R.26 E., Polk County, Hydrologic Unit 03100101, on right bank, on downstream side of bridge on Avon Park Cut-Off Road, 2.1 mi downstream from Boggy Branch, 2.3 mi south of intersection U.S. Highway 98 and State Highway 630, and 7.6 mi southeast of Ft. Meade.
DRAINAGE AREA.--47.2 mi^2.
PERIOD OF RECORD.--March 1964 to September 1968; February 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is 95.46 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	1.8	1.9	1.9	2.0	1.3	13	.72	1.2	47	26	11
2	22	2.0	1.8	1.9	2.0	1.3	9.4	.64	2.2	23	37	9.8
3	19	1.8	1.8	1.8	2.0	1.3	7.2	1.5	1.5	15	56	9.1
4	20	1.7	1.8	1.8	2.1	2.4	5.9	4.0	1.2	12	55	11
5	18	1.8	1.7	2.7	2.1	3.5	5.1	2.9	1.1	9.6	52	21
6	16	1.8	1.8	2.1	2.0	2.8	4.7	2.2	1.0	8.3	61	77
7	14	1.9	1.6	1.9	1.9	2.4	3.9	1.7	.94	7.5	79	176
8	12	1.7	1.6	2.1	1.9	2.2	3.2	1.5	.91	6.9	75	281
9	10	1.6	1.5	2.3	1.9	2.1	2.7	1.3	.84	7.5	76	e324
10	9.1	1.6	1.5	2.4	1.9	2.0	2.3	1.2	.73	9.1	86	e390
11	8.0	1.7	1.6	2.2	1.8	1.8	1.9	1.0	.64	8.3	101	331
12	7.2	1.6	1.7	2.1	1.8	1.6	1.6	.97	.59	7.5	108	281
13	6.4	1.5	1.7	2.1	1.8	1.5	1.5	.90	.60	7.6	88	238
14	5.7	1.6	1.7	2.1	1.8	1.7	1.3	.84	.86	12	73	e368
15	5.2	1.6	1.6	2.1	1.7	1.6	1.2	.80	.78	17	63	e380
16	4.6	1.5	1.5	2.2	1.7	1.5	1.1	.78	.74	15	53	322
17	4.1	1.6	1.9	2.2	1.7	1.4	.96	.72	1.6	32	47	268
18	3.9	1.8	1.8	2.1	1.7	1.3	.86	.68	7.4	30	42	224
19	3.6	1.7	1.8	2.1	1.6	1.5	.83	.64	6.2	31	38	188
20	3.3	1.6	1.8	2.4	1.6	1.7	.79	.62	3.7	24	38	160
21	3.1	1.5	1.8	2.4	1.6	1.6	.76	.61	11	20	39	143
22	2.9	1.4	1.8	2.4	1.6	1.4	.73	1.4	15	29	37	119
23	2.6	1.4	1.8	2.3	1.5	1.3	.70	1.6	11	38	31	137
24	2.4	1.4	1.8	2.2	1.5	1.2	.68	1.2	10	35	27	129
25	2.3	1.5	1.7	2.2	1.5	1.1	.66	1.0	8.9	26	23	132
26	2.3	3.0	1.7	2.1	1.4	1.0	.71	.89	6.9	29	20	112
27	2.2	3.3	1.7	2.1	1.4	1.0	.65	.77	6.8	23	17	96
28	2.1	2.6	2.0	2.1	1.5	.95	.60	.73	7.5	21	15	97
29	2.1	2.3	2.2	2.0	---	2.2	.62	.87	6.3	17	14	113
30	1.9	2.1	2.1	2.0	---	28	.71	.81	12	14	12	102
31	1.9	---	2.0	2.0	---	20	---	.68	---	13	11	---
TOTAL	243.9	54.4	54.7	66.3	49.0	96.65	76.26	36.17	130.13	595.3	1500	5249.9
MEAN	7.87	1.81	1.76	2.14	1.75	3.12	2.54	1.17	4.34	19.2	48.4	175
MAX	26	3.3	2.2	2.7	2.1	28	13	4.0	15	47	108	390
MIN	1.9	1.4	1.5	1.8	1.4	.95	.60	.61	.59	6.9	11	9.1
AC-FT	484	108	108	132	97	192	151	72	258	1180	2980	10410
CFSM	.17	.04	.04	.05	.04	.07	.05	.02	.09	.41	1.03	3.71
IN.	.19	.04	.04	.05	.04	.08	.06	.03	.10	.47	1.18	4.14

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	33.6	14.0	15.8	21.0	25.4	25.4	8.85	3.15	25.2	38.2	56.6	57.5
MAX	134	69.2	86.7	87.5	149	174	45.1	6.92	113	101	196	182
(WY)	1996	1998	1998	1998	1998	1998	1993	1996	1968	1965	1995	1994
MIN	5.86	1.81	1.76	1.82	1.75	1.66	.54	.81	1.05	7.85	5.39	8.59
(WY)	1965	2001	2001	1992	2001	1967	1968	2000	2000	1998	1998	1991

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1965 - 2001**	
ANNUAL TOTAL	2884.86		8152.71			
ANNUAL MEAN	7.88		22.3		27.6	
HIGHEST ANNUAL MEAN					55.6	1995
LOWEST ANNUAL MEAN					11.8	1997
HIGHEST DAILY MEAN	103	Aug 3	390	Sep 10	726	Mar 20 1998
LOWEST DAILY MEAN	.69	Jun 2	.59	Jun 12	.30	Apr 25 1968
ANNUAL SEVEN-DAY MINIMUM	.69	May 31	.66	Apr 23	.37	Apr 23 1968
MAXIMUM PEAK FLOW			435	Sep 14	742	Sep 21 1994
MAXIMUM PEAK STAGE			9.00	Sep 14	9.00	Sep 14 2001
ANNUAL RUNOFF (AC-FT)	5720		16170		20000	
ANNUAL RUNOFF (CFSM)	.17		.47		.58	
ANNUAL RUNOFF (INCHES)	2.27		6.43		7.95	
10 PERCENT EXCEEDS	19		55		73	
50 PERCENT EXCEEDS	2.2		2.1		7.5	
90 PERCENT EXCEEDS	.80		.88		1.7	

PEACE RIVER BASIN

02295163 WHIDDEN CREEK NEAR FT. MEADE, FL

LOCATION.--Lat 27°42'25", long 81°48'28", in SW ¼ sec.10, T.32 S., R.25 E., Polk County, Hydrologic Unit 03100101, on upstream side of bridge on U.S. Highway 17, and 3.3 mi south of Ft. Meade.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--May 1939 to May 1983 (miscellaneous discharge measurements only); November 2000 to September 2001.
GAGE.--Water-stage recorder. Datum of gage has not bewen determined.
REMARKS.--Discharge not computed above gage height of 12.51 ft due to backwater.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.0	4.7	7.1	5.8	21	5.0	11	22	28	31
2	---	---	5.3	4.7	7.1	6.2	16	4.7	7.6	20	28	33
3	---	---	5.5	5.0	6.9	5.6	13	5.3	7.6	16	35	32
4	---	---	5.4	5.0	6.9	6.9	10	6.1	5.9	14	36	31
5	---	---	5.1	4.8	6.8	10	8.3	6.3	6.0	13	37	45
6	---	---	5.1	5.0	6.8	8.6	7.9	6.6	5.5	13	42	73
7	---	---	5.2	5.1	7.0	7.4	7.3	6.6	5.5	13	54	---
8	---	---	5.5	5.4	8.0	6.1	6.7	6.3	9.6	13	53	---
9	---	---	5.6	5.6	7.6	6.0	6.3	5.0	11	15	44	---
10	---	---	5.5	4.9	7.3	6.1	6.1	3.8	8.6	18	42	---
11	---	---	6.0	4.6	7.2	5.7	5.9	3.1	7.1	19	45	---
12	---	---	6.2	4.7	7.5	5.6	5.4	2.7	6.5	18	40	---
13	---	---	6.4	4.9	7.7	5.6	5.1	2.7	7.5	20	37	77
14	---	---	6.4	4.9	8.7	5.5	4.7	2.6	8.1	27	36	---
15	---	---	6.7	5.1	8.7	5.4	4.8	2.6	6.4	34	34	---
16	---	---	6.3	5.3	8.6	5.5	5.4	2.5	9.2	33	33	---
17	---	---	5.8	6.0	8.5	5.9	5.4	1.9	9.9	36	32	---
18	---	---	5.7	6.4	8.3	5.9	5.0	1.5	9.1	39	31	---
19	---	---	5.2	6.5	7.8	6.6	5.2	1.4	10	39	31	---
20	---	---	5.2	8.4	7.6	7.7	6.1	1.4	9.7	47	33	86
21	---	4.3	5.0	7.9	7.4	6.6	6.1	1.7	8.8	40	34	79
22	---	4.3	4.5	7.3	6.3	5.8	5.8	2.9	8.7	37	32	76
23	---	4.3	3.9	7.0	5.8	5.1	5.7	2.6	10	36	30	74
24	---	4.4	3.5	6.9	5.6	4.8	5.6	2.1	15	36	29	71
25	---	4.5	3.3	6.8	5.6	3.6	5.7	1.8	17	34	29	68
26	---	6.1	3.3	6.6	5.7	3.3	6.7	1.7	15	34	29	66
27	---	6.8	3.5	6.6	5.8	4.2	5.8	2.0	17	33	28	62
28	---	5.8	4.3	6.6	5.3	4.3	4.4	3.0	15	31	27	60
29	---	5.1	4.9	6.8	---	5.2	4.4	3.9	14	30	26	66
30	---	4.9	5.0	7.0	---	31	4.8	4.0	17	30	29	66
31	---	---	4.7	7.3	---	31	---	5.7	---	29	31	---
MEAN	---	5.05	5.13	5.93	7.13	7.52	7.02	3.53	9.98	27.1	34.7	60.9
MAX	---	6.8	6.7	8.4	8.7	31	21	6.6	17	47	54	86
MIN	---	4.3	3.3	4.6	5.3	3.3	4.4	1.4	5.5	13	26	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	---	---	5.13	5.93	7.13	7.52	7.02	3.53	9.98	27.1	34.7	---
MAX	---	---	5.13	5.93	7.13	7.52	7.02	3.53	9.98	27.1	34.7	---
(WY)	---	---	2001	2001	2001	2001	2001	2001	2001	2001	2001	---
MIN	---	---	5.13	5.93	7.13	7.52	7.02	3.53	9.98	27.1	34.7	---
(WY)	---	---	2001	2001	2001	2001	2001	2001	2001	2001	2001	---

PEACE RIVER BASIN

02295203 PEACE RIVER AT STATE HIGHWAY 664A NEAR BOWLING GREEN, FL

LOCATION.--Lat 27°37'39", long 81°48'05", in NW $\frac{1}{4}$ sec.10, T.33 S., R.25 E., Hardee County, Hydrologic Unit 03100101, on left bank, 1,100 ft upstream from State Highway 664A (upper bridge), and 1.6 mi southeast of Bowling Green.
DRAINAGE AREA.--614 mi^2.
PERIOD OF RECORD.--1939, 1974 (miscellaneous discharge measurements); July 1998 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 62.43 ft, Sept. 15, 16, 2001; minimum, 48.01 ft, May 20, 21, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 62.43 ft, Sept. 15, 16; minimum, 48.01 ft, May 20, 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.59	48.24	48.29	48.31	48.33	48.21	49.24	48.15	48.42	49.60	49.88	49.09
2	49.45	48.24	48.29	48.31	48.33	48.23	48.86	48.15	48.38	49.98	50.08	49.14
3	49.43	48.23	48.29	48.30	48.31	48.24	48.67	48.17	48.30	49.50	50.61	49.04
4	49.49	48.23	48.29	48.31	48.30	48.29	48.69	48.28	48.28	49.15	50.69	49.04
5	49.42	48.25	48.29	48.30	48.29	48.43	48.63	48.24	48.35	49.04	50.78	49.89
6	49.25	48.25	48.28	48.31	48.29	48.38	48.54	48.25	48.25	49.07	50.84	51.78
7	49.23	48.23	48.29	48.31	48.29	48.33	48.47	48.24	48.23	49.12	52.09	52.33
8	49.15	48.24	48.29	48.32	48.29	48.29	48.43	48.26	48.42	49.20	52.11	55.64
9	49.05	48.23	48.30	48.34	48.31	48.26	48.41	48.25	48.44	49.25	52.16	56.89
10	48.96	48.22	48.30	48.33	48.31	48.25	48.39	48.19	48.34	49.80	52.27	56.78
11	48.95	48.22	48.32	48.32	48.31	48.25	48.36	48.15	48.27	50.12	51.92	57.81
12	48.90	48.21	48.33	48.32	48.29	48.24	48.30	48.12	48.24	49.78	52.15	57.73
13	48.72	48.20	48.33	48.33	48.28	48.24	48.25	48.10	48.23	49.91	51.84	58.12
14	48.59	48.21	48.33	48.34	48.29	48.25	48.22	48.09	48.30	50.47	51.63	60.50
15	48.59	48.23	48.33	48.32	48.31	48.25	48.19	48.09	48.28	50.89	51.32	62.34
16	48.56	48.22	48.33	48.33	48.32	48.24	48.19	48.09	48.25	50.46	50.90	62.28
17	48.42	48.22	48.33	48.36	48.30	48.23	48.19	48.09	48.31	50.76	50.48	61.66
18	48.35	48.24	48.31	48.38	48.29	48.23	48.18	48.07	48.90	51.36	50.43	60.63
19	48.30	48.25	48.30	48.38	48.27	48.25	48.17	48.05	48.78	52.11	50.47	59.00
20	48.27	48.24	48.30	48.42	48.26	48.31	48.18	48.03	48.51	51.70	51.07	57.40
21	48.27	48.22	48.31	48.44	48.27	48.31	48.20	48.02	48.43	51.40	50.87	56.34
22	48.29	48.21	48.31	48.38	48.27	48.27	48.20	48.33	48.44	52.91	50.71	55.90
23	48.29	48.20	48.29	48.36	48.24	48.23	48.19	48.26	48.81	52.38	50.41	56.07
24	48.28	48.22	48.28	48.34	48.22	48.21	48.19	48.21	49.09	51.82	50.10	55.55
25	48.27	48.25	48.26	48.33	48.22	48.19	48.19	48.16	48.94	51.15	49.68	55.20
26	48.26	48.35	48.26	48.31	48.22	48.17	48.19	48.13	48.66	50.73	49.48	55.05
27	48.26	48.40	48.26	48.31	48.22	48.14	48.21	48.11	48.51	50.70	49.36	54.90
28	48.29	48.35	48.29	48.30	48.22	48.16	48.19	48.11	48.51	50.55	49.26	54.76
29	48.28	48.32	48.33	48.31	---	48.22	48.15	48.21	48.65	50.40	49.18	55.25
30	48.26	48.30	48.33	48.32	---	49.57	48.14	48.18	48.90	50.02	49.09	55.07
31	48.25	---	48.31	48.34	---	49.56	---	48.19	---	49.83	49.03	---
MEAN	48.70	48.25	48.30	48.33	48.28	48.34	48.35	48.16	48.48	50.42	50.67	55.71
MAX	49.59	48.40	48.33	48.44	48.33	49.57	49.24	48.33	49.09	52.91	52.27	62.34
MIN	48.25	48.20	48.26	48.30	48.22	48.14	48.14	48.02	48.23	49.04	49.03	49.04

PEACE RIVER BASIN

02295420 PAYNE CREEK NEAR BOWLING GREEN, FL

LOCATION.--Lat 27°37'13", long 81°49'33", in SW ¼ sec.9, T.33 S., R.25 E., Hardee County, Hydrologic Unit 03100101, near center of span on upstream side of bridge on U. S. Highway 17, 0.4 mi downstream from Little Payne Creek, 1.2 mi south of Bowling Green, and 2.1 mi upstream from mouth.
DRAINAGE AREA.--121 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968; October 1979 to current year.
REVISED RECORDS.--WRD FL-81-3: 1980.
GAGE.--Water-stage recorder. Datum of gage is 51.06 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some diversion by pumping for irrigation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	5.4	11	9.4	8.7	3.8	82	2.9	3.1	53	128	80
2	30	5.0	9.8	9.2	8.6	3.7	52	2.8	3.2	43	154	74
3	28	5.1	8.8	8.8	8.5	3.7	41	4.0	2.4	27	210	65
4	29	5.9	9.6	8.4	8.6	7.8	35	7.4	1.8	23	210	67
5	27	5.8	9.4	8.3	8.7	17	31	3.9	3.6	39	227	141
6	24	5.9	8.6	9.2	8.0	15	27	2.8	7.2	49	192	361
7	25	5.9	8.1	9.0	7.4	11	24	2.2	7.0	82	437	350
8	23	6.3	7.9	8.8	7.1	8.4	21	1.6	28	108	439	558
9	20	6.3	7.9	9.7	7.1	7.1	17	1.3	20	114	349	e644
10	17	6.6	7.9	9.5	6.8	6.8	15	1.0	14	e199	409	e569
11	15	6.9	8.0	9.5	e6.6	6.2	13	.89	11	257	e419	e612
12	14	6.5	8.7	9.5	e6.3	5.6	11	.81	8.0	208	e501	e760
13	13	6.2	8.9	9.3	6.1	5.8	11	.79	8.2	233	e408	e1040
14	13	6.5	8.8	9.1	5.8	6.3	10	.83	14	256	e377	e2090
15	14	7.2	8.5	9.2	6.0	6.6	9.3	.83	8.9	320	e338	e2640
16	13	6.8	8.1	9.2	5.8	6.7	8.4	.85	9.4	275	e266	e1900
17	11	6.7	9.4	9.5	6.0	6.4	7.2	.74	10	291	e212	e1480
18	11	7.0	9.5	9.5	6.2	5.9	6.1	.64	91	388	e190	e1210
19	10	7.8	9.1	9.3	5.9	8.1	5.3	.53	82	522	e166	947
20	11	7.3	9.2	14	5.5	14	4.8	.53	51	454	e200	711
21	12	e7.0	9.0	14	5.4	11	4.1	.53	42	389	e240	e568
22	12	e5.7	9.3	12	5.4	9.2	3.6	7.6	44	614	236	e490
23	11	5.6	9.0	11	5.0	7.5	3.2	6.0	70	490	204	498
24	9.5	5.7	8.5	10	4.7	6.5	2.9	2.7	86	373	152	453
25	8.5	6.2	8.0	9.7	4.5	5.7	2.8	1.6	54	332	117	e406
26	7.9	18	7.7	9.1	4.3	5.4	3.4	.96	35	277	104	e383
27	7.7	e18	7.7	8.9	4.1	4.7	3.3	.70	26	238	97	e346
28	7.1	e15	9.1	8.7	3.9	4.0	3.2	1.0	24	209	92	e322
29	6.8	e13	11	8.5	---	6.0	3.0	5.0	29	e187	87	e330
30	6.5	12	11	8.3	---	128	3.0	4.4	40	149	76	293
31	5.8	---	9.5	8.8	---	115	---	2.8	---	128	62	---
TOTAL	475.8	233.3	277.0	297.4	177.0	458.9	463.6	70.63	833.8	7327	7299	20388
MEAN	15.3	7.78	8.94	9.59	6.32	14.8	15.5	2.28	27.8	236	235	680
MAX	33	18	11	14	8.7	128	82	7.6	91	614	501	2640
MIN	5.8	5.0	7.7	8.3	3.9	3.7	2.8	.53	1.8	23	62	65
CFSM	.13	.06	.07	.08	.05	.12	.13	.02	.23	1.95	1.95	5.62
IN.	.15	.07	.09	.09	.05	.14	.14	.02	.26	2.25	2.24	6.27

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	119	69.8	60.6	75.8	91.8	97.8	60.0	36.2	92.3	160	201	236
MAX	418	259	357	355	489	637	192	94.6	592	747	598	786
(WY)	1995	1998	1998	1998	1998	1998	1983	1987	1982	1968	1995	1994
MIN	15.3	7.78	8.94	9.59	6.32	7.94	2.77	2.00	13.4	19.8	32.3	37.2
(WY)	2001	2001	2001	2001	2001	1967	1967	1967	1964	1981	2000	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	7286.7		38301.43			
ANNUAL MEAN	19.9		105		108	
HIGHEST ANNUAL MEAN					269	1998
LOWEST ANNUAL MEAN					36.4	2000
HIGHEST DAILY MEAN	174	Sep 18	e2640	Sep 15	2640	Sep 15 2001
LOWEST DAILY MEAN	1.9	Jun 5	.53	May 19	.53	May 19 2001
ANNUAL SEVEN-DAY MINIMUM	2.3	May 31	.66	May 15	.66	May 15 2001
MAXIMUM PEAK FLOW			3220	Sep 14	3220	Sep 14 2001
MAXIMUM PEAK STAGE			17.97	Sep 14	17.97	Sep 14 2001
ANNUAL RUNOFF (CFSM)	.16		.87		.90	
ANNUAL RUNOFF (INCHES)	2.24		11.78		12.17	
10 PERCENT EXCEEDS	43		347		245	
50 PERCENT EXCEEDS	11		9.4		56	
90 PERCENT EXCEEDS	3.8		3.5		11	

PEACE RIVER BASIN

02295420 PAYNE CREEK NEAR BOWLING GREEN, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1962-63, 1965-70, 1980-83, 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
15...	1211	2.88	7.2	8.0	8.1	429	16.9	.54	.02	1.4	.01	.620	.640
FEB													
07...	1042	2.90	7.4	9.7	7.4	428	12.9	.61	.03	1.3	<.01	.550	.570
MAY													
23...	1125	2.85	6.2	6.3	6.9	450	23.9	.91	.17	1.4	.03	.410	.500
JUL													
09...	1056	4.02	92	6.3	7.2	441	26.2	1.5	.04	.5	<.01	1.10	1.20
AUG													
06...	1545	5.14	186	5.7	7.2	391	26.6	1.4	.04	.5	<.01	.990	1.10
SEP													
20...	1114	10.81	700	5.2	6.6	266	26.0	.90	.03	.3	<.01	.830	.890

PEACE RIVER BASIN

02295637 PEACE RIVER AT ZOLFO SPRINGS, FL

LOCATION.--Lat 27°30'15", long 81°48'04", in SE ¼ 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 north of Zolfo Springs, and 69 mi upstream from mouth.
DRAINAGE AREA.--826 mi^2.
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 above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1964, at same site at datum 5.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	12	27	28	26	8.3	e67	13	13	104	402	149
2	173	12	25	29	25	7.3	e133	14	30	e52	369	183
3	161	12	23	27	24	8.3	e100	17	21	e54	556	150
4	171	12	22	26	24	17	e85	30	18	e56	755	134
5	168	12	23	26	24	43	e73	30	22	e58	942	270
6	148	13	22	28	23	45	e66	17	24	e60	967	1000
7	150	13	21	29	21	32	e60	14	21	e64	1670	1110
8	132	12	20	29	20	24	e55	12	e30	e68	1480	1730
9	114	12	21	31	20	19	e51	13	e50	e70	1120	2460
10	99	12	21	29	20	18	48	12	e46	e347	1350	2760
11	91	12	23	29	18	17	46	8.5	e56	599	1320	2970
12	91	12	25	30	17	16	42	6.7	e100	450	1220	3020
13	73	11	25	29	16	15	36	6.1	e80	433	1050	3270
14	58	11	26	29	15	16	33	5.1	e60	652	880	4470
15	52	12	26	31	16	18	31	5.0	e44	994	789	5690
16	53	12	26	30	17	17	28	5.3	30	690	652	5900
17	41	12	27	31	17	16	27	4.7	32	815	512	5570
18	32	13	27	33	15	15	27	4.3	144	1010	446	4810
19	26	13	25	33	14	17	24	3.8	168	1510	435	3910
20	22	14	24	36	13	26	23	3.6	132	1210	554	3070
21	21	13	25	45	12	e31	22	5.3	115	906	584	2510
22	22	12	26	40	13	e26	22	107	112	1510	866	2170
23	21	13	26	34	13	e22	20	149	188	1840	610	2140
24	19	14	24	30	11	e16	19	48	264	1750	435	2080
25	17	13	21	28	9.6	e12	18	22	204	1180	319	1940
26	16	48	20	25	8.7	e10	18	13	130	909	248	1840
27	16	61	19	25	8.7	e7.0	19	9.1	91	697	217	1740
28	15	50	26	24	9.3	e9.6	19	7.9	91	591	193	1660
29	15	37	36	25	---	e10	17	8.1	90	521	178	1690
30	14	31	30	25	---	e20	14	15	157	399	160	1710
31	14	---	28	26	---	e45	---	11	---	333	141	---
TOTAL	2244	536	760	920	470.3	603.5	1243	620.5	2563	19932	21420	72106
MEAN	72.4	17.9	24.5	29.7	16.8	19.5	41.4	20.0	85.4	643	691	2404
MAX	199	61	36	45	26	45	133	149	264	1840	1670	5900
MIN	14	11	19	24	8.7	7.0	14	3.6	13	52	141	134
CFSM	.09	.02	.03	.04	.02	.02	.05	.02	.10	.78	.84	2.91
IN.	.10	.02	.03	.04	.02	.03	.06	.03	.12	.90	.96	3.25

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001, BY WATER YEAR (WY)

MEAN	801	366	328	419	487	557	405	251	578	876	1045	1307
MAX	3016	1536	1917	2243	2716	3780	1589	2035	3819	4049	3623	5513
(WY)	1954	1954	1998	1998	1998	1998	1959	1957	1934	1945	1960	1960
MIN	72.4	17.9	24.5	29.7	16.8	19.5	19.0	9.38	20.2	69.1	163	209
(WY)	2001	2001	2001	2001	2001	2001	2000	2000	2000	1981	1950	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1934 - 2001**	
ANNUAL TOTAL	30727.7		123418.3			
ANNUAL MEAN	84.0		338		619	
HIGHEST ANNUAL MEAN					1605	1960
LOWEST ANNUAL MEAN					179	1981
HIGHEST DAILY MEAN	1160	Sep 18	5900	Sep 16	19700	Sep 20 1947
LOWEST DAILY MEAN	4.7	Jun 3	3.6	May 20	3.6	May 20 2001
ANNUAL SEVEN-DAY MINIMUM	5.2	May 31	4.5	May 14	4.5	May 14 2001
MAXIMUM PEAK FLOW			6480	Sep 16	26300	Sep 6 1933
MAXIMUM PEAK STAGE			19.70	Sep 16	25.05	Sep 6 1933
ANNUAL RUNOFF (CFSM)	.10		.41		.75	
ANNUAL RUNOFF (INCHES)	1.38		5.56		10.18	
10 PERCENT EXCEEDS	186		1070		1420	
50 PERCENT EXCEEDS	37		29		318	
90 PERCENT EXCEEDS	8.9		12		97	

02295637 PEACE RIVER AT ZOLFO SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	3.40	3.65	3.74	3.75	3.41	---	3.40	3.38	4.74	7.16	5.04
2	5.18	3.40	3.63	3.75	3.73	3.39	---	3.42	3.72	---	6.93	5.34
3	5.08	3.39	3.60	3.72	3.71	3.41	---	3.48	3.57	---	8.09	5.05
4	5.16	3.39	3.59	3.70	3.71	3.58	---	3.73	3.51	---	9.12	4.90
5	5.14	3.40	3.60	3.71	3.71	3.99	---	3.73	3.58	---	10.00	5.92
6	4.97	3.41	3.59	3.74	3.69	4.01	---	3.48	3.62	---	10.01	9.80
7	4.98	3.41	3.57	3.75	3.66	3.82	---	3.42	3.57	---	12.22	10.24
8	4.83	3.40	3.57	3.75	3.65	3.71	---	3.38	---	---	11.62	12.27
9	4.66	3.40	3.58	3.78	3.64	3.62	---	3.40	---	---	10.33	14.25
10	4.52	3.38	3.58	3.77	3.64	3.60	4.03	3.37	---	---	11.12	14.97
11	4.44	3.39	3.61	3.77	3.61	3.59	4.00	3.28	---	8.36	11.02	15.45
12	4.43	3.38	3.65	3.78	3.59	3.57	3.94	3.23	---	7.47	10.64	15.56
13	4.25	3.37	3.66	3.77	3.57	3.56	3.83	3.20	---	7.36	10.01	16.05
14	4.08	3.36	3.67	3.77	3.56	3.57	3.79	3.17	---	8.61	9.29	17.83
15	4.00	3.39	3.66	3.79	3.58	3.60	3.74	3.17	---	10.33	8.89	19.15
16	4.02	3.39	3.67	3.79	3.60	3.59	3.70	3.17	3.74	8.85	8.24	19.29
17	3.86	3.40	3.68	3.81	3.59	3.56	3.68	3.15	3.77	9.49	7.51	19.07
18	3.73	3.41	3.69	3.84	3.55	3.56	3.67	3.13	5.15	10.36	7.13	18.28
19	3.65	3.42	3.66	3.83	3.53	3.58	3.61	3.11	5.37	12.28	7.07	17.12
20	3.58	3.43	3.65	3.89	3.51	3.74	3.60	3.10	5.03	11.25	7.72	15.63
21	3.55	3.41	3.67	4.01	3.50	---	3.58	3.15	4.87	9.93	7.88	14.37
22	3.57	3.38	3.68	3.95	3.52	---	3.58	4.73	4.83	12.21	9.22	13.52
23	3.56	3.40	3.68	3.86	3.52	---	3.54	5.18	5.51	13.12	8.02	13.43
24	3.53	3.43	3.66	3.80	3.46	---	3.52	4.02	6.14	12.91	7.07	13.28
25	3.49	3.41	3.61	3.77	3.44	---	3.50	3.58	5.67	11.11	6.35	12.89
26	3.47	3.94	3.58	3.73	3.42	---	3.49	3.40	5.02	9.94	5.86	12.62
27	3.46	4.11	3.57	3.73	3.42	---	3.52	3.30	4.60	8.90	5.62	12.33
28	3.46	3.97	3.69	3.72	3.43	---	3.52	3.26	4.60	8.32	5.43	12.08
29	3.45	3.80	3.84	3.72	---	---	3.48	3.27	4.58	7.92	5.30	12.19
30	3.43	3.71	3.76	3.73	---	---	3.41	3.44	5.26	7.14	5.14	12.23
31	3.42	---	3.72	3.73	---	---	---	3.36	---	6.68	4.97	---
MEAN	4.14	3.48	3.65	3.78	3.58	3.62	3.65	3.46	4.50	9.42	8.23	13.01
MAX	5.38	4.11	3.84	4.01	3.75	4.01	4.03	5.18	6.14	13.12	12.22	19.29
MIN	3.42	3.36	3.57	3.70	3.42	3.39	3.41	3.10	3.38	4.74	4.97	4.90

PEACE RIVER BASIN

02296500 CHARLIE CREEK NEAR GARDNER, FL

LOCATION.--Lat 27°22'29", long 81°47'48", in SE ¼ 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 north of Gardner, and 4.9 mi upstream from mouth.
DRAINAGE AREA.--330 mi^2.
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 above National Geodetic Vertical Datum of 1929.
REMARKS.--Records good.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 24.2 ft in 1928, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	5.0	4.1	11	7.6	4.2	80	1.7	2.6	16	701	87
2	95	4.7	3.9	16	7.4	4.0	60	1.7	2.4	13	619	97
3	81	4.6	3.7	15	7.1	4.0	52	2.0	2.6	11	594	86
4	73	4.3	3.6	12	6.8	5.3	54	2.1	5.3	10	650	105
5	66	4.3	3.5	10	6.6	8.6	51	1.8	6.3	10	622	270
6	63	4.1	3.5	12	6.0	9.3	46	2.4	5.4	11	693	666
7	66	3.9	3.7	14	5.7	8.0	40	2.5	5.9	11	1390	770
8	61	4.1	3.6	12	5.3	6.7	36	2.0	7.9	24	1270	1310
9	55	4.1	3.6	11	5.0	6.1	31	1.6	34	26	1130	1370
10	48	3.8	3.4	10	5.0	5.6	27	1.4	56	21	1020	1300
11	42	3.8	3.6	13	5.1	5.4	23	1.1	33	24	918	1650
12	36	3.8	3.4	15	5.2	5.3	19	1.0	23	32	852	3380
13	31	3.8	3.2	13	4.7	5.3	16	.92	17	49	769	4890
14	27	3.5	3.1	13	4.5	5.5	13	.76	14	97	668	6420
15	24	3.6	3.3	12	4.4	5.5	11	.63	12	230	561	7000
16	20	4.3	3.2	11	4.2	5.2	9.5	.60	9.2	192	461	6550
17	18	4.2	3.4	11	4.2	4.7	7.7	1.0	8.0	228	376	5790
18	16	4.1	3.4	10	4.3	4.1	6.1	1.8	22	436	318	4920
19	14	3.8	3.2	9.6	3.9	3.9	4.8	1.4	17	757	265	4090
20	13	3.9	3.1	9.4	3.8	4.0	4.1	1.2	26	620	276	3410
21	11	3.4	3.9	9.7	3.8	3.8	3.4	1.0	38	590	338	2830
22	11	3.1	5.3	8.8	3.9	3.7	3.1	3.2	33	748	377	2530
23	9.8	3.3	6.4	8.4	3.8	3.1	2.4	4.2	43	1130	287	2340
24	9.0	3.8	6.1	8.4	3.9	2.9	2.4	4.5	51	1420	233	2140
25	8.2	4.1	6.3	7.9	3.9	2.5	2.2	10	52	1360	197	1980
26	7.6	4.3	5.7	7.5	4.1	2.4	2.0	8.2	37	1390	168	1810
27	7.1	4.6	5.0	8.3	4.0	2.2	1.7	5.9	56	1350	143	1640
28	6.5	4.3	5.5	9.0	3.9	1.8	1.5	4.7	41	1200	123	1510
29	6.2	4.2	7.8	8.6	---	2.1	1.5	4.4	29	1030	106	1430
30	5.7	4.3	9.4	8.2	---	44	1.7	3.8	20	888	91	1360
31	5.4	---	8.7	7.9	---	111	---	3.1	---	786	90	---
TOTAL	1048.5	121.1	139.6	332.7	138.1	290.2	613.1	82.61	709.6	14710	16306	73731
MEAN	33.8	4.04	4.50	10.7	4.93	9.36	20.4	2.66	23.7	475	526	2458
MAX	112	5.0	9.4	16	7.6	111	80	10	56	1420	1390	7000
MIN	5.4	3.1	3.1	7.5	3.8	1.8	1.5	.60	2.4	10	90	86
CFSM	.10	.01	.01	.03	.01	.03	.06	.01	.07	1.44	1.59	7.45
IN.	.12	.01	.02	.04	.02	.03	.07	.01	.08	1.66	1.84	8.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	375	125	90.4	126	166	223	124	42.7	249	417	481	679
MAX	2117	1225	1377	1097	1667	1838	625	562	2250	2275	2028	2710
(WY)	1954	1998	1998	1998	1998	1998	1951	1957	1982	1974	1960	1953
MIN	9.87	4.04	3.39	4.81	4.09	2.10	.81	.57	2.18	4.85	19.1	27.5
(WY)	1985	2001	1982	1956	1956	1956	1975	1975	2000	1981	1993	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1951 - 2001**	
ANNUAL TOTAL	8610.69		108222.51			
ANNUAL MEAN	23.5		297		258	
HIGHEST ANNUAL MEAN					694	1998
LOWEST ANNUAL MEAN					64.5	1981
HIGHEST DAILY MEAN	317	Sep 22	7000	Sep 15	7820	Aug 1 1960
LOWEST DAILY MEAN	.06	Jun 21	.60	May 16	.06	Jun 21 2000
ANNUAL SEVEN-DAY MINIMUM	.10	Jun 16	.86	May 11	.10	Jun 16 2000
MAXIMUM PEAK FLOW			7380	Sep 15	8160	Aug 1 1960
MAXIMUM PEAK STAGE			18.27	Sep 15	18.77	Aug 1 1960
ANNUAL RUNOFF (CFSM)	.071		.90		.78	
ANNUAL RUNOFF (INCHES)	.97		12.20		10.64	
10 PERCENT EXCEEDS	55		866		726	
50 PERCENT EXCEEDS	8.1		8.6		60	
90 PERCENT EXCEEDS	.82		2.6		5.3	

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL
(National stream quality accounting network station)

LOCATION.--Lat 27°13'19", long 81°52'34", in SE $^1/_4$ sec.26, T.37 S., R.24 E., De Soto County, Hydrologic Unit 03100101, on left bank 500 ft upstream from bridge on State Highway 70, 1.0 mi west of post office in Arcadia, 6.1 mi upstream from Joshua Creek, and 36 mi upstream from mouth.
DRAINAGE AREA.--1,367 mi^2.

WATER-DISCHARGE RECORDS

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 above 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 same site at datum 2.25 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 20.6 ft, present datum, in 1912, from information by county engineer; discharge, 43,000 ft^3/s, from rating curve extended above 30,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393	37	59	69	57	19	719	25	74	666	1430	380
2	362	37	54	78	57	18	518	24	73	716	1370	393
3	338	35	50	87	58	19	320	22	78	769	1410	445
4	346	35	48	84	57	23	224	22	83	721	1590	439
5	333	36	46	74	52	32	178	25	75	616	1800	956
6	373	36	46	75	53	39	158	37	91	531	2070	1590
7	350	36	45	80	51	54	146	44	121	544	2700	2210
8	338	36	45	82	49	54	133	34	153	565	3510	2670
9	289	36	44	77	48	44	116	25	139	571	3810	3340
10	e250	37	43	72	49	39	105	21	227	597	3580	3960
11	e210	36	44	75	45	34	97	19	256	892	3280	4670
12	e180	36	45	86	44	29	90	18	205	1330	3020	5160
13	160	35	45	86	42	26	84	17	170	1410	2760	6040
14	142	35	45	81	41	24	78	14	151	1370	2440	10100
15	120	36	46	79	38	24	72	12	146	1750	2080	16400
16	104	35	46	77	35	25	64	11	172	2060	1760	20700
17	95	36	48	79	37	26	57	8.4	180	2030	1480	20300
18	88	37	48	76	36	24	50	7.8	177	2000	1180	17800
19	74	39	48	76	32	22	43	7.4	307	2360	992	15000
20	66	39	47	79	28	25	38	7.2	569	2690	1060	12700
21	60	37	47	76	27	26	35	7.3	646	2650	1150	11000
22	55	36	50	70	27	29	34	14	661	2560	1210	9650
23	52	35	54	74	26	33	31	61	615	2810	1310	8170
24	49	36	55	70	26	30	30	254	699	3410	1090	6760
25	48	37	51	65	26	25	29	174	886	3810	817	5800
26	46	40	49	61	24	22	28	106	891	3980	639	5040
27	44	48	45	61	21	19	26	78	845	3630	521	4370
28	41	75	52	63	20	18	24	63	755	3050	434	3870
29	41	78	67	61	---	22	23	57	703	2450	367	3520
30	41	68	69	60	---	109	24	57	679	2030	320	3280
31	39	---	71	59	---	499	---	56	---	1670	463	---
TOTAL	5127	1215	1552	2292	1106	1432	3574	1328.1	10827	56238	51643	206713
MEAN	165	40.5	50.1	73.9	39.5	46.2	119	42.8	361	1814	1666	6890
MAX	393	78	71	87	58	499	719	254	891	3980	3810	20700
MIN	39	35	43	59	20	18	23	7.2	73	531	320	380
MED	104	36	48	76	40	26	68	24	192	1750	1410	4860
CFSM	.12	.03	.04	.05	.03	.03	.09	.03	.26	1.33	1.22	5.04
IN.	.14	.03	.04	.06	.03	.04	.10	.04	.29	1.53	1.41	5.63

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2001, BY WATER YEAR (WY)

MEAN	1471	552	461	596	743	862	599	315	1006	1672	1910	2583
MAX	6954	3271	3780	3652	5109	6410	2449	2597	6107	6604	7439	9876
(WY)	1954	1998	1998	1998	1998	1998	1958	1957	1982	1945	1960	1933
MIN	146	40.5	50.1	73.9	39.5	46.2	31.1	9.53	20.0	93.1	324	328
(WY)	1985	2001	2001	2001	2001	2001	2000	2000	2000	1981	1993	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1932 - 2001**	
ANNUAL TOTAL	50781.9		343047.1			
ANNUAL MEAN	139		940		1065	
HIGHEST ANNUAL MEAN					2571	1960
LOWEST ANNUAL MEAN					298	1981
HIGHEST DAILY MEAN	1770	Sep 19	20700	Sep 16	34700	Sep 9 1933
LOWEST DAILY MEAN	5.6	May 6	7.2	May 20	5.6	May 6 2000
ANNUAL SEVEN-DAY MINIMUM	6.3	May 4	8.7	May 15	6.3	May 4 2000
MAXIMUM PEAK FLOW			21200	Sep 16	36200	Sep 9 1933
MAXIMUM PEAK STAGE			17.95	Sep 16	19.92	Sep 9 1933
ANNUAL RUNOFF (CFSM)	.10		.69		.78	
ANNUAL RUNOFF (INCHES)	1.38		9.34		10.59	
10 PERCENT EXCEEDS	340		2680		2640	
50 PERCENT EXCEEDS	63		73		451	
90 PERCENT EXCEEDS	11		25		115	

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL--Continued
(National stream quality accounting network station)

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	1.23	1.33	1.55	1.55	1.14	4.26	1.45	1.96	5.32	7.45	3.00
2	3.06	1.23	1.28	1.61	1.55	1.13	3.61	1.44	1.98	5.53	7.10	3.04
3	2.93	1.21	1.26	1.68	1.55	1.13	3.00	1.41	2.05	5.75	7.02	3.20
4	2.95	1.20	1.24	1.67	1.55	1.19	2.63	1.42	2.12	5.62	7.32	3.18
5	2.90	1.21	1.23	1.60	1.50	1.31	2.44	1.46	2.10	5.27	7.67	4.94
6	3.03	1.20	1.23	1.61	1.51	1.38	2.35	1.60	2.24	4.99	8.19	6.71
7	2.95	1.19	1.23	1.66	1.50	1.52	2.29	1.67	2.45	5.07	9.39	8.20
8	2.90	1.19	1.23	1.67	1.48	1.52	2.22	1.58	2.67	5.18	10.61	9.13
9	2.72	1.19	1.22	1.64	1.47	1.43	2.13	1.47	2.63	5.24	10.93	10.24
10	---	1.19	1.22	1.61	1.48	1.38	2.06	1.41	3.07	5.37	10.59	11.10
11	---	1.18	1.24	1.64	1.44	1.32	2.01	1.38	3.22	6.42	10.13	11.93
12	---	1.17	1.25	1.72	1.43	1.28	1.97	1.37	3.05	7.80	9.73	12.43
13	2.15	1.16	1.25	1.72	1.42	1.24	1.93	1.35	2.92	8.07	9.28	13.18
14	2.05	1.16	1.26	1.70	1.40	1.21	1.90	1.31	2.86	8.00	8.66	15.30
15	1.93	1.15	1.27	1.68	1.37	1.21	1.84	1.27	2.86	9.08	7.83	17.18
16	1.83	1.14	1.28	1.68	1.34	1.22	1.79	1.24	3.03	9.90	7.04	17.89
17	1.77	1.15	1.30	1.69	1.36	1.23	1.74	1.20	3.10	9.84	6.31	17.83
18	1.71	1.16	1.31	1.68	1.35	1.21	1.68	1.18	3.12	9.78	5.49	17.47
19	1.61	1.17	1.31	1.68	1.30	1.18	1.61	1.17	3.65	10.51	4.94	16.94
20	1.54	1.17	1.31	1.70	1.26	1.22	1.57	1.17	4.60	11.06	5.18	16.32
21	1.49	1.15	1.31	1.69	1.24	1.23	1.54	1.17	4.92	11.00	5.49	15.72
22	1.45	1.13	1.34	1.65	1.24	1.27	1.53	1.31	5.01	10.85	5.70	15.16
23	1.41	1.12	1.38	1.68	1.23	1.31	1.50	1.71	4.87	11.23	6.02	14.48
24	1.39	1.12	1.39	1.65	1.23	1.28	1.49	2.86	5.21	12.04	5.39	13.71
25	1.37	1.13	1.37	1.62	1.24	1.22	1.48	2.51	5.88	12.51	4.53	12.99
26	1.35	1.15	1.35	1.58	1.20	1.18	1.47	2.14	5.93	12.68	3.90	12.30
27	1.33	1.23	1.32	1.58	1.17	1.14	1.45	1.96	5.81	12.24	3.46	11.61
28	1.29	1.45	1.38	1.60	1.15	1.11	1.42	1.85	5.54	11.42	3.18	10.99
29	1.28	1.46	1.51	1.58	---	1.17	1.42	1.80	5.39	10.40	2.96	10.50
30	1.28	1.39	1.53	1.57	---	1.89	1.43	1.80	5.34	9.37	2.79	10.14
31	1.26	---	1.55	1.56	---	3.46	---	1.79	---	8.32	3.26	---
MEAN	2.01	1.20	1.31	1.64	1.38	1.35	1.99	1.56	3.65	8.58	6.69	11.56
MAX	3.22	1.46	1.55	1.72	1.55	3.46	4.26	2.86	5.93	12.68	10.93	17.89
MIN	1.26	1.12	1.22	1.55	1.15	1.11	1.42	1.17	1.96	4.99	2.79	3.00

PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1930, 1940, 1957 to September 1999; October 2000 to September 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
APR													
17...	1500	1.74	57	764	9.8	8.4	621	25.0	29.0	52.7	25.4	9.47	24.6
MAY													
22...	1340	1.29	13	762	8.2	8.9	613	33.5	30.0	57.0	24.7	6.52	22.6
JUN													
21...	1300	4.94	651	766	4.7	7.2	340	32.0	28.5	29.1	13.0	8.35	11.2
JUL													
10...	1320	5.33	586	761	5.6	7.5	492	31.0	29.0	41.7	20.4	8.41	20.7
AUG													
09...	1150	10.95	3830	765	3.7	6.7	202	32.0	27.0	17.2	7.70	5.60	9.1

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
APR													
17...	84	102	2	37.8	.8	2.0	153	395	.041	.77	.83	.364	.019
MAY													
22...	89	109	6	32.8	.9	.9	158	410	.021	.58	.71	.017	.003
JUN													
21...	48	58	--	23.3	.5	4.4	68.0	237	.101	.89	.91	.975	.041
JUL													
10...	80	98	--	31.5	.8	7.5	97.9	345	.019	.91	.89	.848	.006
AUG													
09...	35	43	--	14.8	.3	7.5	31.0	180	.093	1.6	1.9	.375	.026

DATE	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
APR													
17...	.033	.910	.833	.916	.2	13	30	12.3	<.002	<.004	<.002	<.005	.096
MAY													
22...	.049	.694	.473	.781	.3	9.5	20	9.0	<.002	<.004	<.002	<.005	.219
JUN													
21...	.032	.755	.741	.833	.2	14	80	7.1	<.002	<.004	<.002	<.005	.051
JUL													
10...	<.022	.880	.833	.858	E.2	20	150	4.7	<.002	<.004	<.002	<.005	.009
AUG													
09...	E.075	.899	.833	.952	E.6	30	550	20.9	<.002	<.004	<.002	<.005	E.002

DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
APR													
17...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.009	103	.005	<.005	<.021	<.002
MAY													
22...	<.010	<.002	E.022	<.020	E.004	<.018	<.003	E.019	129	.013	<.005	<.021	<.002
JUN													
21...	<.010	<.002	E.038	<.020	<.005	<.018	<.003	<.006	92	.011	<.005	<.021	<.002
JUL													
10...	<.010	<.002	E.028	<.020	<.005	<.018	<.003	<.006	112	<.005	<.005	<.021	<.002
AUG													
09...	<.010	<.002	E.273	<.020	<.005	<.018	<.003	<.006	97	<.005	<.005	<.021	<.002

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
APR													
17...	<.009	<.005	<.003	72	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007
MAY													
22...	<.009	<.005	<.003	106	<.004	<.035	<.027	<.050	<.006	<.013	<.006	.006	<.007
JUN													
21...	<.009	<.005	<.003	89	<.004	<.035	<.027	<.050	<.006	E.003	<.006	<.002	<.007
JUL													
10...	<.009	<.005	<.003	104	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007
AUG													
09...	<.009	<.005	<.003	104	<.004	<.035	<.027	<.050	<.006	E.004	<.006	<.002	<.007

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
APR													
17...	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.225	<.016
MAY													
22...	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.138	E.006
JUN													
21...	<.003	<.007	<.002	<.010	<.006	<.011	E.002	<.004	<.010	<.011	<.023	3.39	<.016
JUL													
10...	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.332	<.016
AUG													
09...	<.003	<.007	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.139	<.016

DATE	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
APR						
17...	<.034	<.017	<.005	<.002	<.009	2
MAY						
22...	<.034	<.017	<.005	<.002	<.009	6
JUN						
21...	<.034	<.017	<.005	<.002	<.009	6
JUL						
10...	<.034	<.017	<.005	<.002	<.009	4
AUG						
09...	<.034	<.017	<.005	<.002	<.009	7

Remark codes used in this report:
E -- Estimated value

PEACE RIVER BASIN

02297100 JOSHUA CREEK AT NOCATEE, FL

LOCATION.--Lat 27°09'59", long 81°52'47", in SE ¼ 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 north of Nocatee, and 2.2 mi upstream from mouth.
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 above National Geodetic Vertical Datum of 1929.
REMARKS.--Records good except those for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1948 reached a stage of 17.7 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	21	12	26	22	16	128	14	16	50	261	64
2	64	21	13	28	21	17	110	13	16	50	226	61
3	61	20	13	26	22	17	90	12	15	44	290	59
4	69	20	12	23	21	19	76	11	16	41	321	58
5	80	19	13	28	21	23	65	9.5	15	45	425	65
6	80	19	13	30	22	22	56	9.0	14	41	425	159
7	91	19	13	27	23	20	49	8.7	21	38	589	304
8	85	19	13	25	22	21	45	9.0	35	38	547	503
9	70	19	13	29	21	20	40	9.0	41	48	468	614
10	63	19	13	30	21	20	38	7.6	45	61	449	525
11	55	19	13	32	20	19	36	7.6	33	158	617	658
12	50	17	14	29	20	18	33	8.6	25	187	494	e755
13	47	16	15	27	21	18	31	7.6	24	251	373	e633
14	42	17	14	26	20	17	29	6.8	76	327	300	e1880
15	39	17	15	25	19	16	26	7.2	42	422	248	e2900
16	37	16	15	25	19	16	24	7.3	30	377	203	e2160
17	36	17	13	24	18	16	22	7.1	25	269	173	e1500
18	34	16	13	24	17	16	20	7.5	20	e186	150	e1020
19	33	15	14	23	16	17	19	7.4	24	e196	127	e642
20	32	15	14	23	16	27	20	6.5	24	e83	163	e378
21	31	15	18	22	15	24	19	5.9	22	e71	291	e122
22	29	15	21	22	17	22	18	13	28	e387	413	e95
23	28	15	20	22	20	21	16	15	57	735	318	e125
24	28	14	19	22	18	19	18	13	86	1150	216	e137
25	27	14	18	22	16	17	16	11	62	1030	161	e212
26	26	15	17	23	16	15	15	11	49	975	124	e254
27	26	15	19	24	17	17	14	11	53	982	94	e217
28	24	14	19	25	16	16	14	17	54	720	78	e310
29	23	13	21	23	---	20	13	17	64	527	66	371
30	22	13	21	23	---	130	14	16	53	412	57	354
31	22	---	21	23	---	151	---	14	---	325	62	---
TOTAL	1425	504	482	781	537	827	1114	320.3	1085	10226	8729	17135
MEAN	46.0	16.8	15.5	25.2	19.2	26.7	37.1	10.3	36.2	330	282	571
MAX	91	21	21	32	23	151	128	17	86	1150	617	2900
MIN	22	13	12	22	15	15	13	5.9	14	38	57	58
CFSM	.35	.13	.12	.19	.15	.20	.28	.08	.27	2.50	2.13	4.33
IN.	.40	.14	.14	.22	.15	.23	.31	.09	.31	2.88	2.46	4.83

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	160	40.4	34.2	48.5	57.5	84.9	33.8	28.5	132	177	185	291
MAX	1067	234	405	284	484	439	201	250	1133	699	562	899
(WY)	1954	1969	1998	1998	1983	1998	1993	1958	1982	1974	1995	1994
MIN	4.56	3.53	1.78	1.95	2.99	.92	.60	.70	.52	2.16	7.16	18.1
(WY)	1962	1962	1956	1956	1956	1956	1956	1953	1956	1956	1956	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1951 - 2001**	
ANNUAL TOTAL	15128.6		43165.3			
ANNUAL MEAN	41.3		118		106	
HIGHEST ANNUAL MEAN					231	1953
LOWEST ANNUAL MEAN					20.7	1956
HIGHEST DAILY MEAN	752	Sep 18	e2900	Sep 15	7910	Oct 10 1953
LOWEST DAILY MEAN	4.8	Jun 5	5.9	May 21	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	5.5	May 28	7.0	May 15	.00	May 3 1959
MAXIMUM PEAK FLOW			3480	Sep 14	8670	Oct 10 1953
MAXIMUM PEAK STAGE			17.52	Sep 14	19.05	Sep 22 1962
ANNUAL RUNOFF (CFSM)	.31		.90		.80	
ANNUAL RUNOFF (INCHES)	4.26		12.16		10.94	
10 PERCENT EXCEEDS	91		338		266	
50 PERCENT EXCEEDS	18		23		27	
90 PERCENT EXCEEDS	7.4		13		4.2	

PEACE RIVER BASIN

02297155 HORSE CREEK NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°29'13", long 82°01'25", in SE $^1/_4$ sec.29, T.34 S., R.23 E., Hardee County, Hydrologic Unit 03100101, near left bank on downstream side of bridge on State Highway 64, 3.5 mi northeast of Myakka Head, and 39.5 mi upstream from mouth.
DRAINAGE AREA.--42 mi^2.
PERIOD OF RECORD.--October 1977 to current year.
REVISED RECORDS.--WRD FL-84-3A: Drainage area. WRD FL-92-3A: 1988, 1988 (M). WRD FL-97-3A: 1993-96 (period of record maximum).
GAGE.--Water-stage recorder. Datum of gage is 58.12 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	.05	.09	.17	.21	.07	13	.02	.00	21	154	47
2	5.3	.04	.09	.17	.20	.07	10	.02	.00	13	158	43
3	4.8	.03	.10	.15	.18	.07	11	.01	.00	7.9	168	69
4	4.6	.02	.10	.23	.18	.79	10	.01	.00	5.6	103	54
5	3.8	.02	.10	.65	.18	.78	8.6	.01	.02	4.8	76	79
6	4.5	.01	.09	.58	.17	.25	7.0	.00	.89	16	91	68
7	13	.01	.09	.58	.13	.12	5.5	.00	3.5	11	231	54
8	8.9	.01	.09	.74	.11	.10	4.3	.00	1.5	6.1	110	127
9	6.0	.01	.09	1.0	.09	.09	3.4	.00	3.9	37	74	421
10	4.2	.01	.09	.97	.09	.09	2.5	.00	1.3	58	88	289
11	3.2	.01	.09	.95	.09	.09	1.9	.00	.31	115	237	251
12	2.4	.02	.13	.96	.08	.09	1.4	.00	.11	50	96	361
13	1.7	.01	.13	.82	.08	.08	1.1	.00	.08	49	73	447
14	1.4	.01	.14	.88	.08	.08	.85	.00	.07	172	53	1400
15	1.1	.01	.14	.93	.08	.09	.58	.00	.05	195	41	943
16	.85	.02	.11	.93	.08	.09	.41	.00	.04	52	33	652
17	.66	.02	.10	.85	.08	.09	.27	.00	.04	696	36	466
18	.54	.03	.10	.78	.08	.08	.16	.00	.13	253	34	319
19	.45	.03	.10	.70	.07	.10	.11	.00	.25	163	30	211
20	.33	.02	.11	1.0	.06	.22	.09	.00	.65	125	71	170
21	.28	.02	.10	1.2	.07	.13	.07	.00	.11	132	61	191
22	.24	.01	.12	1.0	.07	.10	.05	.00	2.4	189	49	185
23	.20	.02	.12	.83	.07	.08	.03	.00	11	158	41	166
24	.15	.02	.10	.62	.07	.07	.02	.00	15	165	32	167
25	.12	.03	.09	.52	.07	.06	.01	.00	7.0	125	26	171
26	.11	.53	.09	.42	.07	.05	.01	.00	14	116	21	134
27	.12	.27	.09	.34	.07	.05	.01	.00	63	84	18	114
28	.10	.13	.40	e.32	.07	.04	.01	.00	40	73	15	105
29	.09	.10	.55	e.30	---	.67	.01	.00	33	57	12	103
30	.07	.09	.23	e.28	---	40	.02	.00	17	47	11	84
31	.07	---	.20	.27	---	25	---	.00	---	42	115	---
TOTAL	75.58	1.61	4.17	20.14	2.88	69.69	82.41	0.07	215.35	3238.4	2358	7891
MEAN	2.44	.054	.13	.65	.10	2.25	2.75	.002	7.18	104	76.1	263
MAX	13	.53	.55	1.2	.21	40	13	.02	63	696	237	1400
MIN	.07	.01	.09	.15	.06	.04	.01	.00	.00	4.8	11	43
CFSM	.06	.00	.00	.02	.00	.05	.07	.00	.17	2.49	1.81	6.26
IN.	.07	.00	.00	.02	.00	.06	.07	.00	.19	2.87	2.09	6.99

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2001, BY WATER YEAR (WY)

MEAN	23.8	13.8	13.9	18.6	19.8	27.8	14.5	4.38	26.9	42.4	61.3	84.5
MAX	88.8	147	142	111	133	162	90.8	24.8	210	114	185	297
(WY)	1983	1998	1998	1998	1998	1998	1993	1987	1982	1986	1992	1994
MIN	.55	.054	.13	.14	.10	.15	.042	.000	.021	2.32	2.48	2.74
(WY)	1985	2001	2001	1985	2001	2000	2000	2000	1997	1993	1993	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1978 - 2001**	
ANNUAL TOTAL	762.56		13959.30			
ANNUAL MEAN	2.08		38.2		29.3	
HIGHEST ANNUAL MEAN					71.5	1998
LOWEST ANNUAL MEAN					4.56	2000
HIGHEST DAILY MEAN	29	Sep 17	1400	Sep 14	2240	Sep 7 1988
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 1	.00	May 6	.00	Apr 30 1981
MAXIMUM PEAK FLOW			2320	Sep 14	3210	Sep 6 1988
MAXIMUM PEAK STAGE			23.46	Sep 14	24.34	Sep 6 1988
ANNUAL RUNOFF (CFSM)	.050		.91		.70	
ANNUAL RUNOFF (INCHES)	.68		12.36		9.49	
10 PERCENT EXCEEDS	6.2		115		71	
50 PERCENT EXCEEDS	.20		.25		5.8	
90 PERCENT EXCEEDS	.00		.01		.19	

PEACE RIVER BASIN

02297310 HORSE CREEK NEAR ARCADIA, FL

LOCATION.--Lat 27°11'57", long 81°59'19", in NW $\frac{1}{4}$ 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 west of Arcadia, and 10 mi upstream from mouth.
DRAINAGE AREA.--218 mi^2.
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 above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	11	5.4	10	5.3	3.4	96	e2.3	.25	44	737	137
2	99	11	5.2	9.4	5.4	3.4	74	e2.1	.63	41	679	177
3	88	10	5.4	8.6	5.2	3.5	58	e1.9	3.9	43	728	206
4	105	9.8	5.2	8.2	5.1	5.4	50	e1.7	2.7	45	729	213
5	95	9.8	5.1	9.2	5.0	10	49	e1.5	1.5	47	680	375
6	96	9.5	5.3	9.2	5.2	9.0	47	e1.3	1.7	47	695	435
7	101	8.8	5.4	8.1	4.6	7.1	47	e1.1	2.8	46	831	530
8	102	8.5	5.1	8.0	4.4	6.1	45	e.67	4.0	43	899	726
9	84	8.1	5.1	7.7	4.6	5.6	42	.82	10	43	840	916
10	71	8.1	5.0	8.2	4.5	5.2	38	.82	12	46	810	1050
11	67	7.8	5.1	8.2	4.4	4.6	33	.69	10	90	852	1120
12	64	7.5	5.1	7.9	4.2	4.2	29	.73	7.7	155	926	1770
13	61	7.3	5.1	7.7	4.2	3.8	25	.76	5.7	238	971	2460
14	55	6.9	5.1	7.8	4.0	3.6	22	.58	4.6	378	1030	4510
15	49	6.9	5.3	7.6	4.5	3.8	19	.66	3.2	697	922	6340
16	44	6.8	5.1	7.1	4.1	3.8	17	.59	2.7	769	843	6520
17	39	6.5	5.0	6.9	4.0	3.6	15	.73	2.9	825	747	5490
18	35	6.6	4.9	7.0	3.7	3.5	12	.65	13	938	652	4320
19	32	7.0	4.9	6.4	3.5	4.0	11	.77	13	973	542	3360
20	29	7.0	5.1	6.6	3.5	5.0	9.0	.59	13	1010	457	2600
21	27	6.4	5.6	8.0	3.8	4.8	7.9	.35	8.7	1190	430	1980
22	25	6.2	5.8	7.3	3.7	4.1	6.9	.54	7.8	1530	369	1420
23	23	6.0	5.6	6.4	3.5	3.6	5.9	.92	12	1760	361	1040
24	21	5.7	5.7	6.2	3.5	3.3	e5.0	.68	17	2080	332	854
25	19	5.8	5.5	5.8	3.5	3.1	e4.4	.47	20	2040	277	756
26	18	6.2	5.1	5.7	3.4	3.0	e4.0	.29	16	1920	237	698
27	17	6.3	5.0	5.8	3.5	2.9	e3.6	.20	16	1790	206	621
28	15	6.2	6.3	5.7	3.5	2.8	e3.2	.18	31	1300	179	576
29	14	6.0	9.9	5.5	---	3.4	e2.9	.29	60	1020	154	545
30	13	5.6	8.5	5.4	---	43	e2.6	.17	52	865	130	506
31	12	---	8.3	5.3	---	88	---	.23	---	747	152	---
TOTAL	1635	225.3	174.2	226.9	117.8	260.6	784.4	25.28	355.78	22760	18397	52251
MEAN	52.7	7.51	5.62	7.32	4.21	8.41	26.1	.82	11.9	734	593	1742
MAX	115	11	9.9	10	5.4	88	96	2.3	60	2080	1030	6520
MIN	12	5.6	4.9	5.3	3.4	2.8	2.6	.17	.25	41	130	137
CFSM	.24	.03	.03	.03	.02	.04	.12	.00	.05	3.37	2.72	7.99
IN.	.28	.04	.03	.04	.02	.04	.13	.00	.06	3.88	3.14	8.92

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	258	88.9	63.2	98.1	112	155	75.1	27.5	179	314	397	498
MAX	1335	978	962	725	1096	1254	557	338	1854	1742	1571	1742
(WY)	1953	1998	1998	1998	1998	1998	1993	1957	1982	1968	1960	2001
MIN	5.11	2.58	2.25	3.17	3.31	1.06	.30	.097	.18	2.29	20.7	21.9
(WY)	1985	1962	1957	1974	1975	1975	1975	2000	1956	1956	1980	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1951 - 2001**	
ANNUAL TOTAL	14900.60		97213.26			
ANNUAL MEAN	40.7		266		189	
HIGHEST ANNUAL MEAN					514	1998
LOWEST ANNUAL MEAN					38.4	1956
HIGHEST DAILY MEAN	1150	Sep 18	6520	Sep 16	10700	Aug 1 1960
LOWEST DAILY MEAN	.00	Many Days	.17	May 30	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 16	.23	May 26	.00	May 16 2000
MAXIMUM PEAK FLOW			6710	Sep 16	11700	Aug 1 1960
MAXIMUM PEAK STAGE			16.80	Sep 16	17.94	Aug 1 1960
ANNUAL RUNOFF (CFSM)	.19		1.22		.87	
ANNUAL RUNOFF (INCHES)	2.54		16.59		11.79	
10 PERCENT EXCEEDS	95		841		510	
50 PERCENT EXCEEDS	9.8		8.1		45	
90 PERCENT EXCEEDS	.09		2.7		3.4	

PEACE RIVER BASIN

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL

LOCATION.--Lat 27°04'38", long 82°00'27", in SW $\frac{1}{4}$ sec.15, T.39 S., R.23 E., De Soto County, Hydrologic Unit 03100101, on RV campground fishing pier, 3.3 mi west of Fort Ogden, and 16.8 mi upstream from mouth.
DRAINAGE AREA.--1,780 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--November 1997 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.99 ft, Sept. 17, 2001; minimum, 2.55 ft below NGVD, Jan. 15, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.99 ft, Sept. 17; minimum, 2.20 ft below NGVD, Dec. 25.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.73	-.40	1.67	-.68	.88	-1.09	.35	-1.26	1.00	-.73	1.35	-.68
2	1.50	-.76	1.73	-.52	1.09	-.87	.12	-1.40	.31	-.99	1.51	-.50
3	1.58	-.48	1.50	-.72	1.02	-.85	.58	-1.47	.51	-1.76	1.86	-.61
4	2.19	.20	1.44	-.44	.61	-1.03	.56	-1.02	.78	-1.52	1.71	.01
5	1.65	-.19	1.65	-.02	.78	-.72	1.50	-1.14	.84	-1.65	1.45	-1.24
6	1.66	-.39	1.83	.42	1.34	-.63	1.57	-.87	.75	-1.70	1.01	-1.54
7	1.59	-.48	1.87	.07	1.44	-.51	1.53	-1.09	1.16	-1.51	1.12	-1.55
8	1.34	-.59	1.98	.33	1.53	-.70	1.83	-.70	1.16	-1.52	1.14	-1.20
9	.77	-1.70	2.17	.25	1.81	-.75	1.85	-1.42	1.07	-1.35	1.48	-.72
10	.58	-1.30	2.30	.36	1.93	-.79	.45	-2.08	1.13	-1.21	1.84	-.42
11	.92	-.78	1.82	-.54	1.98	-.75	1.42	-1.23	.84	-1.18	1.37	-.47
12	1.27	-.55	1.88	-.56	2.27	-.64	1.57	-.87	.84	-.98	1.64	-.63
13	1.42	-.68	2.01	-.46	1.96	-.79	.97	-1.41	.89	-1.01	1.80	-.26
14	1.72	-.37	2.43	.08	2.08	-.81	.96	-1.03	.94	-1.03	1.49	-.56
15	1.82	-.50	1.57	-1.07	1.72	-.93	.90	-.84	1.05	-1.08	1.75	-.62
16	2.00	-.48	1.64	-.64	1.43	-.52	1.11	-.68	1.07	-1.15	1.56	-.41
17	2.05	-.42	2.11	-.20	1.69	-.68	1.18	-.79	1.17	-1.16	1.12	-.69
18	1.98	-.56	1.38	-.64	.88	-.70	1.37	-.99	.99	-1.84	.59	-1.23
19	1.88	-.66	1.63	.19	.96	-.50	1.56	-.81	1.23	-1.94	1.33	-1.12
20	1.71	-.45	1.78	-1.14	.97	-1.32	1.60	-.72	1.32	-1.13	1.39	-.02
21	1.79	-.59	.27	-1.47	.98	-1.17	.01	-2.10	1.37	-.94	1.58	-.19
22	1.66	-.71	.62	-1.79	1.14	-1.27	.29	-1.91	1.39	-.84	1.13	-1.04
23	1.25	-.68	.89	-1.12	.52	-1.95	.46	-1.75	1.45	-.90	.76	-1.04
24	.97	-.57	1.70	-.75	.56	-1.86	.55	-1.60	1.12	-.90	1.11	-.85
25	1.49	-.51	2.25	-.18	.43	-2.20	.97	-1.65	1.28	-.57	1.21	-.60
26	1.86	-.21	2.21	-.49	.85	-1.86	.43	-1.62	1.22	-.58	1.17	-.69
27	1.99	-.25	1.62	-1.13	1.49	-.89	.69	-1.36	.97	-.79	.93	-.96
28	1.81	-.48	1.55	-1.23	1.88	.22	.84	-1.20	1.24	-.56	1.25	-1.22
29	2.12	-.27	1.24	-1.29	2.02	-.93	1.02	-.79	---	---	2.06	-.78
30	2.06	-.41	1.12	-1.40	1.06	-1.28	1.17	-.26	---	---	2.21	-.43
31	1.81	-.66	---	---	.11	-1.65	1.07	-.25	---	---	1.78	-.35
MONTH	2.19	-1.70	2.43	-1.79	2.27	-2.20	1.85	-2.10	1.45	-1.94	2.21	-1.55

PEACE RIVER BASIN

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	.94	-.69	.98	-1.50	1.61	-.34	1.64	-.42	1.57	-.35	2.07	-.09
2	1.13	-1.09	1.07	-.92	1.77	-.31	1.81	-.46	1.58	-.35	2.10	-.05
3	1.51	-1.02	1.12	-.78	1.61	-.67	1.78	-.68	2.26	-.10	2.01	-.06
4	1.51	-.79	.64	-1.05	1.73	-.75	1.91	-.73	2.49	.34	2.04	-.01
5	1.48	-.76	.88	-.88	1.80	-.77	2.03	-.73	2.49	.54	1.97	-.07
6	1.50	-.63	1.10	-.95	1.75	-.85	1.90	-.66	2.16	.69	1.74	.02
7	1.34	-.58	1.27	-.98	1.81	-1.06	1.79	-.75	1.72	.39	1.75	.26
8	1.44	-.57	.97	-1.04	1.58	-.99	1.82	-.72	1.84	.46	1.93	.55
9	1.57	-.59	1.42	-1.14	1.65	-1.01	1.59	-.64	1.82	.77	2.16	.99
10	1.59	-.66	1.76	-.90	1.72	-.93	2.12	-.53	1.74	.92	2.34	1.19
11	1.93	-.65	1.56	-.76	1.77	-.84	1.46	-.13	1.78	.86	1.99	1.27
12	1.76	-.50	1.59	-.77	1.34	-.52	1.58	.07	1.81	.76	2.46	1.69
13	1.76	-.64	1.56	-.71	1.21	-.47	1.63	.26	1.80	.62	2.71	2.05
14	1.65	-.76	1.19	-.81	1.06	-.53	1.73	.37	2.01	.57	5.97	2.09
15	1.38	-.72	1.35	-.74	1.14	-.43	1.62	.05	2.18	.47	5.13	4.09
16	1.22	-.56	1.33	-.38	1.22	-.60	1.76	.25	2.40	.34	5.90	5.11
17	.95	-.85	1.35	-.42	1.16	-.77	2.25	.16	2.20	.06	5.99	5.86
18	.72	-1.69	1.29	-.38	1.42	-.97	2.28	.13	2.43	.06	5.88	5.49
19	.48	-1.61	1.32	-.32	1.46	-1.16	2.32	.18	2.58	.10	5.49	4.95
20	.92	-.97	1.51	-.42	1.58	-1.09	2.21	.17	2.35	.15	4.96	4.36
21	1.08	-.66	1.84	-.33	1.81	-1.11	2.81	.28	2.04	.13	4.39	3.77
22	.90	-.92	1.98	-.34	1.88	-1.04	3.69	1.09	1.97	.07	3.77	3.18
23	1.29	-.76	1.98	-.35	1.91	-.91	3.67	2.43	1.77	.12	3.28	2.73
24	1.42	-.73	2.04	-.48	1.82	-.94	2.79	1.79	1.69	-.06	2.99	2.43
25	1.60	-.76	2.13	-.71	1.63	-.91	2.27	1.63	1.73	-.33	2.92	2.06
26	1.04	-.97	2.10	-.62	1.38	-.88	2.26	1.69	1.42	-.53	2.34	1.54
27	1.05	-1.77	2.01	-.64	.69	-1.02	2.28	1.69	1.47	-.65	2.30	1.44
28	1.54	-1.34	1.63	-.65	1.20	-.74	2.05	1.27	1.55	-.75	2.51	1.64
29	.56	-1.16	1.59	-.68	1.32	-.39	1.80	.83	1.77	-.50	2.06	.88
30	.67	-1.55	1.12	-.61	1.57	-.36	1.80	.48	1.88	-.43	1.55	.81
31	---	---	1.31	-.65	---	---	1.79	.02	2.16	-.22	---	---
MONTH	1.93	-1.77	2.13	-1.50	1.91	-1.16	3.69	-.75	2.58	-.75	5.99	-.09
YEAR	5.99	-2.20										

PEACE RIVER BASIN

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1997 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 1.0 ft below the surface and 1.0 ft above the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 31,800 microsiemens, June 5, 2000; bottom probe maximum, 32,800 microsiemens, June 5, 2000; top probe minimum, 62 microsiemens, Mar. 24, 1998; bottom probe minimum, 64 microsiemens, Mar. 24, 1998.
TEMPERATURE.--Top probe maximum, 34.1°C, Aug. 17, 1998, Aug. 13, 1999; bottom probe maximum, 33.5°C, July 27, 28 1998; top probe minimum, 11.7°C, Jan. 5, 2001; bottom probe minimum, 11.7°C, Jan. 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 25,300 microsiemens, May 25; bottom probe maximum, 26,000 microsiemens, May 22; top probe minimum, 91 microsiemens, Sept. 18; bottom probe minimum, 93 microsiemens, Sept. 18.
TEMPERATURE.--Top probe maximum, 32.8°C, June 15, Aug. 18; bottom probe maximum, 32.7°C, June 15; top probe minimum, 11.7°C, Jan. 5; bottom probe minimum, 11.7°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	431	412	3540	738	6300	1130	6690	1160	4610	920	12600	2400
2	451	431	4060	747	6760	1150	5200	980	2880	921	13000	2710
3	446	431	3020	719	6450	1110	6670	908	3920	903	17000	2800
4	468	434	4570	752	6560	1000	6540	1000	6370	936	14900	4880
5	451	430	6120	839	8570	1230	12000	957	6560	939	12600	2580
6	469	445	7500	1250	11500	1600	12900	1350	6960	979	10100	2260
7	471	460	7780	994	12700	2120	10500	1230	9160	1220	11200	2070
8	482	460	8610	1430	12100	1880	13200	1560	9130	1140	11400	2380
9	491	480	11200	1370	14400	2230	12300	1260	8210	1140	12800	2750
10	508	489	12100	2010	15600	2380	4040	551	8380	1270	15200	3280
11	507	491	7590	1160	15600	2690	9080	1360	6850	1190	11200	3050
12	515	500	8490	1280	18400	3420	9640	1430	6510	1250	13500	2690
13	530	511	9880	1500	15000	2860	4840	1220	6810	1170	14100	3260
14	568	524	14200	2520	16400	2930	4970	1330	7460	1130	12300	2870
15	633	532	6540	1190	12500	2650	5070	1300	7860	1080	13800	2680
16	759	540	7570	1550	10700	2940	5930	1290	8000	1060	12000	3200
17	1000	548	11400	2250	12300	2650	5920	1200	9750	1170	10700	2700
18	935	555	6450	1520	9100	2150	6810	1120	9060	1040	8420	2490
19	835	563	8080	2400	9100	2560	7960	1140	11200	1040	11800	1880
20	795	579	8330	1140	8770	1600	8230	1170	12200	2020	13200	4580
21	931	591	3320	498	8480	1630	2340	959	12600	2480	14200	4240
22	959	598	3960	777	10300	1530	2800	951	12800	2680	10400	1780
23	768	605	6190	1200	6380	1240	4310	938	13100	2630	10000	2280
24	698	610	8090	1370	6540	1120	4810	937	10800	2350	11700	2290
25	1110	616	14100	2760	6400	896	6810	483	11400	2630	12100	1660
26	2770	628	13600	2380	8850	1060	3730	588	10900	2680	11500	1700
27	3850	645	8920	1550	12700	2210	4960	594	10000	2440	10400	1950
28	3050	651	8660	1490	15200	4830	5500	937	11800	2850	11600	2020
29	5540	718	6960	1280	13600	2080	5870	1000	---	---	19000	2540
30	5350	742	5600	1110	8620	1500	5920	1230	---	---	14600	3450
31	3860	725	---	---	5860	1140	4630	1100	---	---	7260	1530
MONTH	5540	412	14200	498	18400	896	13200	483	13100	903	19000	1530

PEACE RIVER BASIN

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1530	890	8980	1390	17400	4750	779	686	307	297	457	415
2	890	784	8900	1840	17700	5200	864	726	315	301	442	386
3	946	722	10300	2120	15500	3730	900	720	334	313	407	379
4	1020	818	8190	1960	16700	3670	1060	707	351	334	403	384
5	1000	848	10200	2490	16800	3490	1200	674	353	336	402	360
6	1110	881	11600	2600	16300	3480	1060	644	349	331	360	266
7	1080	878	12500	2570	16500	3010	1040	655	331	280	267	234
8	1140	876	10700	2660	10500	2450	1050	664	286	251	242	224
9	1240	864	14100	2530	10100	1740	817	636	251	239	228	220
10	1280	839	18200	3360	10000	1520	869	585	244	235	221	205
11	2000	826	16400	4460	9680	1270	596	552	252	244	205	191
12	1750	841	16700	4760	5610	1280	614	540	258	251	191	185
13	1920	833	17600	5270	5560	1250	594	526	266	256	185	167
14	1930	849	16200	5490	5150	1170	554	525	265	257	167	122
15	1670	839	18200	5980	5200	1110	539	473	270	257	122	102
16	1740	892	18600	7800	5920	1060	477	406	282	270	102	97
17	1610	892	19000	8220	6460	1060	406	363	291	274	99	92
18	1360	914	18600	8870	7560	1110	370	350	310	288	94	91
19	1360	912	19300	9730	6650	1060	350	312	320	310	98	92
20	2330	933	20700	10100	4880	947	319	268	337	313	104	96
21	3200	999	23500	10900	5450	897	278	242	346	322	119	104
22	2810	977	25100	11300	3430	782	251	244	345	331	138	118
23	4340	971	24900	12100	2430	649	265	251	334	320	155	137
24	5510	1030	25000	12100	1490	642	267	259	328	302	172	155
25	7480	1050	25300	9220	873	689	263	250	342	313	189	172
26	5060	1140	24600	6900	793	703	254	249	370	342	201	189
27	5600	1040	21400	6020	711	650	260	252	394	369	210	201
28	9810	1200	15600	5200	670	615	270	260	412	392	222	209
29	4820	1510	15400	4180	700	641	276	270	418	405	---	---
30	5800	1360	12600	4170	717	641	287	276	427	407	---	---
31	---	---	14600	3810	---	---	297	287	448	422	---	---
MONTH	9810	722	25300	1390	17700	615	1200	242	448	235	457	91
YEAR	25300	91										

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	448	428	3720	763	6570	1180	7120	1210	4640	921	13200	2500
2	468	448	4260	775	7030	1190	5570	1020	2970	921	13700	2850
3	464	448	3140	747	7510	1150	7110	949	3910	902	17700	2940
4	485	451	4820	781	6810	1040	6940	1040	6440	934	15500	5250
5	469	447	6600	865	8970	1280	12600	993	6680	933	13100	2680
6	487	462	7960	1280	12000	1670	13700	1390	7160	973	10500	2310
7	489	478	8100	1020	13200	2210	11400	1260	9600	1140	11700	2320
8	500	478	9110	1500	12600	1950	13800	1610	9490	1180	11900	2430
9	509	498	11600	1430	15100	2320	13000	1310	8610	1240	13400	2840
10	528	507	12600	2100	16200	2460	4210	1140	8860	1310	15700	3440
11	526	508	7920	1210	16500	2780	9580	1400	7120	1230	11700	3110
12	534	519	8890	1330	19300	3560	10100	1470	6770	1290	14100	2680
13	551	531	10300	1550	16100	2960	5140	1250	7060	1210	14600	3360
14	591	544	14800	2620	17300	3040	5200	1360	7760	1170	12800	3020
15	668	553	6910	1230	13400	2730	5290	1330	8150	1120	14500	2830
16	785	560	7960	1610	11100	3060	6170	1320	8320	1100	12700	3320
17	1080	569	12300	2320	13000	2750	6400	1210	10100	1220	11100	2800
18	1000	576	6730	1570	9460	2240	7000	1140	9670	1080	8900	2180
19	872	586	8830	2490	9630	2640	8300	1160	11700	1080	12500	2220
20	821	601	9140	1170	9180	1660	8750	1200	12700	2110	13900	5060
21	982	614	3480	970	9100	1680	2370	976	13200	2580	14900	4430
22	982	620	4220	973	10700	1580	2840	964	13400	2810	11200	2520
23	797	628	6410	1240	6750	1030	4380	949	13800	2760	10400	2450
24	724	632	8500	1420	6950	1000	4880	949	11300	2470	12200	2510
25	1240	639	15100	2870	6800	936	6910	929	12000	2760	12500	3230
26	2960	652	14600	2460	9370	1110	3800	922	11500	2790	12100	3200
27	4080	670	9390	1620	13600	2320	5110	943	10500	2550	10800	2680
28	3220	676	9020	1540	16100	5080	5620	945	12400	2990	12100	2400
29	5940	749	7250	1330	18500	2200	5990	1010	---	---	20400	3010
30	5700	773	6180	1150	9060	1580	6040	1240	---	---	15100	3590
31	4110	753	---	---	6170	1190	4700	1090	---	---	7820	1590
MONTH	5940	428	15100	747	19300	936	13800	922	13800	902	20400	1590

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1590	922	8900	1380	18000	4960	806	711	321	310	477	432
2	922	816	9010	1850	18400	5420	913	754	329	314	461	402
3	966	794	10400	2130	16200	3870	955	745	349	327	425	394
4	1060	851	8260	1950	17400	3810	1110	727	366	348	420	400
5	1040	882	10200	2480	17600	3630	1260	694	369	351	420	374
6	1170	917	11600	2620	17200	3650	1120	665	364	345	374	277
7	1140	914	13000	2590	17500	3160	1080	678	345	292	278	243
8	1210	913	11600	2680	11200	2580	1100	686	298	262	252	233
9	1310	896	15300	2620	11300	1810	854	659	262	249	237	228
10	1370	873	18900	3480	11300	1590	898	608	254	248	229	212
11	2120	861	17000	4640	10300	1330	619	568	263	254	213	198
12	1870	880	17400	4940	6310	1330	640	560	270	261	198	192
13	2000	863	18300	5480	6010	1300	619	548	278	267	192	173
14	1990	877	16800	5700	5650	1210	577	548	277	268	173	126
15	1730	902	18900	6200	5540	1150	562	493	282	268	127	105
16	1780	915	19300	8080	6400	1100	497	424	294	281	105	99
17	1650	912	19600	8520	6790	1110	424	378	303	286	102	95
18	1380	911	19400	9300	8120	1130	385	364	323	300	98	93
19	1390	919	20000	10100	7000	1080	365	324	335	323	104	95
20	2560	975	21600	10500	5360	974	332	279	352	327	109	100
21	3320	1000	24500	11400	5800	910	289	252	360	335	124	109
22	2900	983	26000	11700	4690	798	263	254	361	345	143	124
23	4500	980	25700	12500	2820	671	275	263	347	333	162	143
24	5670	1040	25800	12500	1650	664	279	270	341	315	179	162
25	7570	1060	25900	9520	918	704	274	260	356	327	197	179
26	5100	1160	25400	7080	818	726	264	259	386	356	210	197
27	5610	1050	22200	6220	741	672	271	262	410	385	219	210
28	9740	1210	16100	5380	694	638	282	271	429	408	232	219
29	4770	1520	16100	4310	720	665	288	282	436	422	243	232
30	5800	1350	13200	4310	743	665	301	288	444	424	254	243
31	---	---	15100	3970	---	---	311	299	466	440	---	---
MONTH	9740	794	26000	1380	18400	638	1260	252	466	248	477	93
YEAR	26000	93										

PEACE RIVER BASIN

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.5	26.9	25.0	23.5	21.0	19.0	14.8	12.9	20.6	18.8	26.7	24.9
2	28.6	27.0	24.5	23.3	21.0	19.1	14.5	13.4	21.0	19.6	26.7	24.9
3	27.9	27.3	24.1	23.1	20.4	19.4	14.3	12.3	20.3	19.6	26.3	24.9
4	27.9	27.3	24.1	23.0	19.5	18.0	14.1	12.6	20.5	19.5	25.9	25.0
5	28.6	27.2	24.2	23.1	19.0	18.0	13.9	11.7	20.2	19.2	25.0	22.5
6	29.1	27.8	25.1	23.1	18.8	17.6	14.3	12.5	20.1	18.4	23.0	21.0
7	29.3	28.0	24.7	23.1	19.3	17.6	14.4	12.6	20.7	18.5	21.8	20.3
8	29.1	27.6	25.1	23.3	19.9	17.8	15.4	13.6	21.3	19.0	21.8	19.4
9	27.6	23.6	24.9	23.5	20.2	18.8	15.5	14.3	21.7	19.6	21.5	19.5
10	24.2	22.2	24.8	24.1	20.6	19.6	15.2	13.2	22.7	20.5	22.1	20.4
11	23.7	21.6	24.3	23.4	21.0	20.4	15.9	13.5	23.5	21.5	22.9	20.8
12	23.9	22.2	24.0	22.6	22.1	20.8	16.4	14.8	24.2	22.5	23.7	21.5
13	24.1	22.4	23.9	22.3	23.0	21.5	16.5	14.9	24.4	22.8	24.2	23.4
14	24.5	22.9	23.5	22.7	23.5	22.3	17.1	15.1	24.7	22.8	24.9	23.5
15	24.9	23.3	23.0	21.7	23.9	22.9	17.9	16.2	24.9	23.2	25.6	23.9
16	25.1	23.4	22.6	20.7	24.2	23.1	18.9	16.9	25.1	23.4	25.1	24.3
17	24.7	23.4	22.8	21.7	23.8	22.3	19.6	17.9	25.2	23.7	26.5	24.3
18	24.7	23.3	23.3	22.1	22.3	20.2	20.6	18.8	24.8	23.2	25.8	24.8
19	24.8	23.6	23.8	22.7	20.7	18.9	21.3	19.4	23.9	22.4	24.9	24.0
20	25.2	24.0	23.8	21.7	19.1	16.7	21.1	19.1	23.7	22.1	24.6	23.6
21	25.4	24.3	21.7	19.2	16.9	15.8	19.1	17.2	23.9	22.6	23.9	22.1
22	25.0	24.1	19.2	18.2	17.0	15.8	17.2	15.9	24.5	22.5	22.9	21.3
23	24.8	23.6	18.5	17.5	17.4	15.9	16.5	15.1	24.6	22.9	23.1	20.9
24	24.6	23.5	19.0	17.4	17.7	16.3	16.4	14.5	25.3	23.2	23.7	21.4
25	24.5	23.4	19.9	18.7	17.7	16.2	16.0	14.6	25.5	23.7	24.2	22.1
26	24.7	23.4	20.4	19.7	18.1	16.4	16.2	14.1	26.2	24.3	24.0	22.6
27	24.8	23.6	21.1	19.7	18.6	16.6	15.8	14.4	26.6	24.6	24.0	21.5
28	24.8	23.3	20.8	19.4	18.8	18.0	16.4	14.5	26.7	25.0	23.8	21.9
29	25.0	23.3	20.4	19.4	18.3	17.3	17.1	15.4	---	---	23.9	22.6
30	25.1	23.4	20.5	18.8	17.6	16.1	18.5	16.4	---	---	22.8	22.1
31	25.1	23.6	---	---	16.1	14.5	20.0	17.7	---	---	23.6	22.1
MONTH	29.3	21.6	25.1	17.4	24.2	14.5	21.3	11.7	26.7	18.4	26.7	19.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.2	22.6	24.7	22.9	30.4	29.1	30.2	27.6	28.3	27.4	30.7	29.0
2	23.9	21.7	25.3	23.6	30.5	28.7	30.7	28.0	27.4	25.8	30.5	28.7
3	24.7	22.2	25.1	24.1	30.7	29.0	31.1	28.9	25.8	25.5	30.4	28.3
4	24.9	22.6	25.5	23.6	30.6	28.6	31.0	29.1	26.2	25.2	30.9	28.7
5	25.6	23.3	26.1	23.9	30.4	28.6	30.8	29.2	27.6	25.5	31.1	28.7
6	26.3	24.3	26.3	24.3	30.0	28.3	30.8	29.2	27.6	26.1	29.2	28.1
7	26.5	24.8	26.3	24.0	30.3	28.3	31.7	29.2	27.3	26.3	28.8	27.4
8	27.6	25.5	26.2	24.5	30.0	28.6	30.8	29.4	27.8	26.5	27.7	26.8
9	28.0	26.2	25.8	24.5	30.8	28.5	29.4	28.7	27.7	26.9	26.8	26.2
10	28.7	26.3	26.1	24.3	31.3	28.8	29.9	28.1	28.1	26.8	26.7	26.1
11	28.1	26.1	26.1	24.2	31.8	29.3	28.1	27.1	28.2	27.1	26.8	26.1
12	28.4	26.6	26.4	24.1	31.8	29.6	27.6	26.9	28.5	27.0	26.4	26.0
13	29.3	26.8	27.0	24.6	31.8	29.8	27.3	26.7	28.9	27.5	26.1	25.5
14	29.6	27.1	27.3	25.3	31.9	29.7	26.9	26.4	29.1	28.0	25.5	24.7
15	29.5	27.4	27.9	25.8	32.8	30.3	27.1	26.0	29.4	28.3	24.7	24.4
16	28.9	27.6	28.7	26.1	32.1	30.2	27.4	26.2	30.0	28.6	24.6	24.1
17	28.0	26.8	29.0	26.6	32.2	30.2	27.2	26.5	30.3	28.8	25.1	24.4
18	27.1	24.7	29.4	27.1	31.9	29.8	27.8	26.5	32.8	29.0	25.7	25.0
19	25.2	23.8	29.3	27.2	30.5	29.3	27.8	26.5	30.8	29.0	26.1	25.6
20	25.2	23.4	29.6	27.2	30.9	28.9	27.8	26.9	31.2	28.9	26.5	26.0
21	25.4	23.7	29.6	27.7	30.6	28.6	27.3	26.4	29.8	28.9	27.1	26.4
22	25.9	23.9	30.4	28.1	29.2	28.2	26.8	26.1	30.1	28.2	27.4	26.8
23	26.4	24.5	30.4	28.9	28.2	26.7	26.4	25.6	29.8	28.4	27.5	26.7
24	27.1	25.0	30.2	28.4	28.6	26.0	26.2	25.3	29.7	28.7	27.7	27.0
25	27.0	25.8	30.5	28.6	29.3	26.8	26.5	25.6	30.2	28.7	27.9	27.1
26	27.1	25.4	30.0	28.6	29.4	27.3	26.9	25.8	30.2	29.3	27.5	26.8
27	26.6	23.9	29.2	28.3	28.8	27.6	27.3	26.4	30.2	29.2	26.8	25.9
28	25.6	24.1	28.8	27.6	29.0	27.3	28.1	26.9	30.9	29.3	25.9	25.4
29	25.1	23.8	30.4	27.3	29.2	27.6	28.5	27.2	31.4	29.4	---	---
30	24.0	23.1	30.9	28.1	29.4	27.6	29.0	27.9	31.9	29.3	---	---
31	---	---	30.6	28.8	---	---	29.1	28.2	30.3	29.4	---	---
MONTH	29.6	21.7	30.9	22.9	32.8	26.0	31.7	25.3	32.8	25.2	31.1	24.1
YEAR	32.8	11.7										

02297350 PEACE RIVER NEAR PEACE RIVER HEIGHTS NEAR FORT OGDEN, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.6	27.0	25.0	23.6	21.1	19.0	14.9	13.3	20.6	18.8	26.8	24.9
2	28.6	27.0	24.6	23.4	21.0	19.3	14.6	13.5	21.0	19.7	26.6	25.0
3	27.9	27.3	24.1	23.1	20.4	19.5	14.3	12.4	20.4	19.6	26.4	24.9
4	27.9	27.4	24.1	23.0	19.5	18.1	14.2	12.7	20.5	19.5	25.9	25.0
5	28.6	27.2	24.2	23.1	19.0	18.0	13.8	11.7	20.3	19.3	25.0	22.6
6	29.2	27.9	25.0	23.2	18.9	17.6	14.4	12.6	20.2	18.4	23.0	21.1
7	29.4	28.0	24.6	23.1	19.1	17.7	14.4	12.6	20.8	18.6	21.9	20.3
8	29.1	27.7	25.0	23.4	19.7	17.9	15.4	13.7	21.4	19.1	21.8	19.6
9	27.7	23.6	24.9	23.6	20.3	18.8	15.6	14.3	21.7	19.7	21.5	19.6
10	24.1	22.3	24.8	24.1	20.6	19.7	15.2	13.3	22.7	20.6	22.1	20.6
11	23.7	21.7	24.3	23.5	21.1	20.4	16.0	13.7	23.6	21.6	22.9	20.8
12	23.9	22.3	24.0	22.7	22.2	20.8	16.5	14.8	24.3	22.5	23.7	21.6
13	24.1	22.5	23.9	22.4	23.0	21.5	16.5	15.0	24.5	22.8	24.2	23.4
14	24.6	23.0	23.6	22.9	23.6	22.4	17.2	15.2	24.8	22.9	24.9	23.5
15	24.9	23.3	23.1	21.8	23.9	23.0	17.9	16.2	25.0	23.2	25.6	24.0
16	25.1	23.4	22.7	20.8	24.2	23.2	18.9	16.9	25.1	23.4	25.2	24.3
17	24.7	23.5	22.9	21.7	23.9	22.4	19.7	18.0	25.2	23.8	26.4	24.4
18	24.8	23.3	23.3	22.2	22.4	20.2	20.7	18.8	24.8	23.3	26.0	24.5
19	24.8	23.7	23.8	22.7	20.7	18.9	21.4	19.4	23.9	22.4	25.0	24.0
20	25.2	24.0	23.9	21.7	19.1	16.7	21.1	19.1	23.7	22.3	24.7	23.7
21	25.3	24.3	21.7	19.2	16.9	15.9	19.1	17.2	23.9	22.7	24.0	22.2
22	25.0	24.1	19.2	18.2	17.1	15.9	17.2	16.0	24.5	22.6	23.0	21.4
23	24.9	23.6	18.6	17.5	17.5	15.5	16.5	15.1	24.7	23.0	23.2	21.0
24	24.6	23.6	19.0	17.5	17.8	16.0	16.4	14.6	25.3	23.3	23.8	21.6
25	24.6	23.4	20.0	18.7	17.7	16.2	16.1	14.7	25.5	23.7	24.2	22.2
26	24.7	23.5	20.4	19.7	18.1	16.5	16.2	14.2	26.3	24.3	24.1	22.7
27	24.8	23.6	21.1	19.8	18.6	16.9	15.8	14.5	26.7	24.6	24.2	21.7
28	24.9	23.3	20.9	19.5	18.8	18.1	16.5	14.6	26.7	25.1	23.9	22.0
29	25.1	23.3	20.4	19.5	18.5	17.3	17.1	15.5	---	---	23.9	22.6
30	25.1	23.5	20.5	19.0	17.6	16.1	18.6	16.5	---	---	22.9	22.1
31	25.2	23.7	---	---	16.1	14.6	20.0	17.8	---	---	23.6	22.1
MONTH	29.4	21.7	25.0	17.5	24.2	14.6	21.4	11.7	26.7	18.4	26.8	19.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.1	22.7	24.7	22.9	30.4	29.1	29.7	27.7	28.3	27.4	30.7	29.1
2	23.9	21.7	25.4	23.6	30.6	28.8	30.3	28.1	27.4	25.9	30.6	28.7
3	24.6	22.1	25.1	24.1	30.7	29.0	30.9	28.9	25.9	25.5	30.2	28.3
4	25.0	22.6	25.5	23.6	30.7	28.7	30.9	29.2	26.3	25.2	31.0	28.7
5	25.7	23.3	26.2	24.0	30.5	28.7	30.8	29.1	27.2	25.6	30.5	28.7
6	26.3	24.3	26.3	24.3	30.0	28.4	30.9	29.3	27.6	26.1	29.2	28.2
7	26.6	24.9	26.2	24.1	30.3	28.4	31.4	29.2	27.3	26.4	28.8	27.4
8	27.7	25.6	26.3	24.6	30.0	28.6	30.8	29.4	27.9	26.5	27.7	26.8
9	28.1	26.3	25.8	24.5	30.6	28.5	29.4	28.7	27.7	27.0	26.9	26.3
10	28.7	26.4	26.2	24.3	31.4	28.8	29.9	28.1	28.1	26.8	26.7	26.1
11	28.1	26.2	26.1	24.2	31.9	29.4	28.1	27.1	28.3	27.1	26.9	26.1
12	28.5	26.7	26.4	24.1	31.8	29.6	27.5	27.0	28.5	27.1	26.4	26.0
13	29.2	26.8	27.0	24.6	31.8	29.9	27.4	26.8	28.9	27.5	26.1	25.5
14	29.4	27.1	27.3	25.3	31.8	29.7	27.0	26.4	29.1	28.0	25.5	24.8
15	29.4	27.4	27.9	25.8	32.7	30.4	27.2	26.0	29.5	28.3	24.8	24.4
16	28.9	27.7	28.8	26.2	32.1	30.2	27.4	26.2	30.0	28.6	24.7	24.2
17	28.0	26.8	29.0	26.6	32.1	30.2	27.2	26.6	30.3	28.9	25.2	24.4
18	27.1	24.8	29.4	27.2	31.6	29.9	27.8	26.5	30.5	29.1	25.8	25.0
19	25.3	23.9	29.3	27.3	30.6	29.3	27.8	26.5	30.5	29.1	26.2	25.6
20	25.2	23.5	29.6	27.3	30.9	29.0	27.9	26.9	30.4	29.0	26.6	26.1
21	25.5	23.7	29.6	27.8	30.5	28.7	27.4	26.4	29.9	28.9	27.1	26.4
22	26.0	24.0	30.4	28.2	29.2	28.2	26.9	26.1	29.6	28.2	27.4	26.9
23	26.5	24.5	30.4	29.0	28.2	26.6	26.5	25.6	29.8	28.4	27.6	26.7
24	27.1	25.1	30.2	28.4	28.5	26.1	26.2	25.3	29.7	28.7	27.8	27.0
25	27.0	25.8	30.5	28.6	29.2	26.8	26.5	25.6	30.2	28.8	27.9	27.1
26	27.2	25.5	30.0	28.6	29.5	27.4	27.0	25.9	30.2	29.4	27.5	26.8
27	26.6	23.9	29.3	28.3	28.9	27.6	27.4	26.4	30.2	29.3	26.8	25.9
28	25.6	24.1	28.8	27.6	28.9	27.4	28.1	26.9	30.5	29.4	25.9	25.5
29	25.1	23.8	30.3	27.4	29.0	27.7	28.5	27.3	31.1	29.4	25.9	25.1
30	24.1	23.2	30.9	28.2	29.2	27.7	29.0	27.9	31.3	29.3	25.5	24.6
31	---	---	30.6	28.9	---	---	29.1	28.2	30.3	29.4	---	---
MONTH	29.4	21.7	30.9	22.9	32.7	26.1	31.4	25.3	31.3	25.2	31.0	24.2
YEAR	32.7	11.7										

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL

LOCATION.--Lat 26°59'14", long 81°59'40", in NE ¼ sec.22, T.40 S., R.23 E., Charlotte County, Hydrologic Unit 03100101, on right bank, on private dock on Voyageur Road, 0.6 mi southeast of Harbour Heights, and 10.2 mi upstream from mouth.
DRAINAGE AREA.--1,870 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--August 1996 to current year (gage heights only), incomplete. Records of gage heights prior to October 1996 are available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.64 ft, Sept. 14, 2001; minimum, 2.46 ft below NGVD, Jan. 15, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.64 ft, Sept. 14; minimum, 2.02 ft below NGVD, Dec. 25.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.79	-.22	1.72	-.46	.94	-.89	.40	-1.07	1.03	-.57	1.40	-.49
2	1.54	-.60	1.79	-.29	1.17	-.66	.19	-1.22	.28	-.81	1.56	-.32
3	1.67	-.29	1.58	-.49	1.06	-.61	.65	-1.26	.60	-1.59	1.90	-.44
4	2.26	.34	1.58	-.24	.70	-.78	.62	-.82	.91	-1.35	1.75	.17
5	1.73	-.02	1.68	.17	.86	-.51	1.61	-.96	.90	-1.45	1.23	-1.01
6	1.72	-.23	1.88	.63	1.51	-.42	1.60	-.68	.98	-1.56	1.11	-1.28
7	1.64	-.31	1.93	.25	1.51	-.28	1.79	-.92	1.21	-1.38	1.16	-1.35
8	1.38	-.39	2.03	.55	1.81	-.50	1.89	-.60	1.21	-1.41	1.19	-1.03
9	.92	-1.52	2.24	.43	1.89	-.56	1.95	-1.21	1.13	-1.24	1.58	-.57
10	.61	-1.06	2.40	.52	2.03	-.61	.67	-1.98	1.19	-1.06	1.98	-.24
11	.98	-.54	1.93	-.32	2.07	-.60	1.47	-1.10	.88	-1.01	1.44	-.47
12	1.33	-.31	1.97	-.36	2.40	-.49	1.63	-.74	.87	-.80	1.71	-.47
13	1.49	-.45	2.10	-.29	2.05	-.66	1.02	-1.23	.91	-.83	1.86	-.11
14	1.79	-.13	2.59	.19	2.15	-.64	1.03	-.86	.99	-.85	1.55	-.38
15	1.90	-.29	1.66	-.85	1.78	-.77	.93	-.67	1.08	-.89	1.81	-.43
16	2.07	-.28	1.69	-.46	1.49	-.34	1.16	-.51	1.16	-.95	1.59	-.22
17	2.12	-.21	2.17	-.03	1.73	-.47	1.22	-.62	1.26	-.99	1.18	-.49
18	2.05	-.37	1.44	-.43	.94	-.50	1.41	-.80	.94	-1.63	.74	-1.03
19	1.95	-.46	1.81	.38	1.12	-.31	1.64	-.67	1.38	-1.78	1.44	-.94
20	1.79	-.25	1.83	-.92	1.08	-1.09	1.63	-.50	1.38	-.99	1.51	.18
21	1.84	-.39	.37	-1.26	1.18	-.97	.25	-1.93	1.42	-.78	1.66	.02
22	1.75	-.50	.83	-1.55	1.20	-1.07	.38	-1.73	1.46	-.67	1.16	-.81
23	1.35	-.48	1.07	-.90	.62	-1.76	.51	-1.49	1.52	-.71	.82	-.84
24	1.10	-.34	2.09	-.58	.63	-1.64	.59	-1.41	1.19	-.77	1.15	-.69
25	1.69	-.26	2.36	-.03	.66	-2.02	1.01	-1.42	1.35	-.42	1.27	-.41
26	1.96	.03	2.32	-.30	1.13	-1.70	.50	-1.48	1.28	-.45	1.25	-.68
27	2.08	-.02	1.69	-.92	1.55	-.73	.73	-1.18	1.04	-.60	1.00	-.82
28	1.88	-.25	1.60	-1.05	1.94	.27	.90	-1.03	1.30	-.37	1.33	-1.04
29	2.21	-.07	1.29	-1.08	2.13	-.72	1.04	-.66	---	---	2.23	-.61
30	2.14	-.21	1.20	-1.18	1.10	-1.06	1.18	-.15	---	---	2.35	-.32
31	1.88	-.43	---	---	.18	-1.41	1.10	-.07	---	---	1.79	-.21
MONTH	2.26	-1.52	2.59	-1.55	2.40	-2.02	1.95	-1.98	1.52	-1.78	2.35	-1.35

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.04	-.57	1.05	-1.30	1.67	-.14	1.68	-.25	---	---	2.15	-.04
2	1.13	-1.05	1.20	-.72	1.85	-.12	1.84	-.31	---	---	2.19	-.07
3	1.56	-.93	1.18	-.59	1.72	-.49	1.85	-.55	---	---	2.08	.04
4	1.48	-.66	.74	-.85	1.82	-.58	1.96	-.62	---	---	2.09	.00
5	1.52	-.64	.98	-.67	1.91	-.71	2.08	-.55	---	---	2.02	.05
6	1.57	-.52	1.20	-.76	1.76	-.89	2.03	-.60	---	---	1.77	-.01
7	1.41	-.44	1.39	-.84	1.82	-.90	1.86	-.60	---	---	1.77	.18
8	1.49	-.45	1.08	-.94	1.63	-.85	1.88	-.57	---	---	1.95	.33
9	1.67	-.53	1.52	-.94	1.70	-.85	1.66	-.49	---	---	2.10	.43
10	1.67	-.53	1.84	-.71	1.75	-.76	2.05	-.36	---	---	2.19	.17
11	2.02	-.52	1.62	-.57	1.78	-.67	1.51	-.08	---	---	1.65	.02
12	1.80	-.35	1.68	-.57	1.37	-.34			---	---	2.06	.10
13	1.80	-.49	1.67	-.51	1.26	-.28	---	---	---	---	2.18	.13
14	1.69	-.58	1.26	-.61	1.11	-.35	---	---			5.64	.61
15	1.42	-.52	1.38	-.54	1.18	-.25	---	---	2.14	-.27	2.50	.63
16	1.29	-.38	1.37	-.18	1.26	-.41	---	---	2.40	-.30	2.36	.82
17	1.08	-.66	1.40	-.21	1.22	-.60	---	---	2.23	-.49	2.51	.90
18	.68	-1.44	1.35	-.17	1.47	-.79	---	---	2.46	-.30	2.68	.88
19	.71	-1.42	1.39	-.11	1.51	-1.01	---	---	2.68	-.21	2.55	.96
20	.97	-.80	1.59	-.22	1.63	-.99	---	---	2.44	-.23	2.66	.95
21	1.14	-.47	1.97	-.16	1.89	-.96	---	---	2.09	-.12	2.79	.79
22	.94	-.73	2.07	-.20	1.95	-.96	---	---	2.01	-.15	2.37	.38
23	1.36	-.56	2.15	-.32	1.99	-.83	---	---	1.79	.00	2.12	.25
24	1.51	-.60	2.13	-.45	1.90	-.85	---	---	1.74	-.16	2.19	.55
25	1.71	-.65	2.23	-.59	1.66	-.83	---	---	1.79	-.33	2.31	.29
26	1.14	-1.13	2.20	-.50	1.52	-.80	---	---	1.52	-.49	1.55	-.22
27	1.11	-1.62	2.09	-.47	.70	-.90	---	---	1.53	-.57	1.89	-.04
28	1.61	-1.16	1.68	-.49	1.25	-.60	---	---	1.61	-.66	2.30	.47
29	.64	-.98	1.65	-.49	1.33	-.23	---	---	1.83	-.41	1.85	-.41
30	.72	-1.37	1.16	-.42	1.59	-.24	---	---	1.93	-.30	1.28	-.16
31	---	---	1.33	-.47	---	---	---	---	2.25	-.15	---	---
MONTH	2.02	-1.62	2.23	-1.30	1.99	-1.01	2.08	-.62	2.68	-.66	5.64	-.41
YEAR	5.64	-2.02										

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1996 to current year, (incomplete). Records of specific conductance and temperature prior to October 1996 are available in files of the Geological Survey.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 1.0 ft below the surface and 1.0 ft above the bottom.
REMARKS.--Specific conductance records fair, temperature records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 44,500 microsiemens, May 21, 2000; bottom probe maximum, 45,900 microsiemens, June 1, 2000; top probe minimum, 78 microsiemens, Mar. 24, 25, 1998; bottom probe minimum, 81 microsiemens, Mar. 24, 25, 1998.
TEMPERATURE.--Top probe maximum, 35.4°C, July 29, 1998; bottom probe maximum, 35.7°C, July 29, 1998; top probe minimum, 9.1°C, Dec. 20, 1996; bottom probe minimum, 9.5°C, Dec. 20, 1996.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 44,300 microsiemens, May 26; bottom probe maximum, 45,500 microsiemens, May 26; top probe minimum, 122 microsiemens, Sept. 18, 19; bottom probe minimum, 110 microsiemens, Sept. 19.
TEMPERATURE.--Top probe maximum, 33.8°C, Aug. 25; bottom probe maximum, 33.7°C, Aug. 25; top probe minimum, 10.6°C, Dec. 31, Jan. 1; bottom probe minimum, 10.4°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7320	722	25400	13100	27200	17700	27900	21000	31800	18400	38400	26800
2	4530	804	26000	14300	28200	19000	27900	20600	26700	18800	37900	26300
3	6070	793	24300	15300	26600	21800	30600	20100	26100	18100	42100	26700
4	8820	1230	27200	17000	26800	20200	28500	23000	30100	19400	40900	31500
5	5220	1430	28900	20100	28200	22000	36200	20700	31200	20900	37700	24600
6	6670	789	28700	22300	31500	23300	36600	23900	30600	19700	36400	23800
7	5350	769	28800	19300	31800	24900	34600	21800	32100	20300	37100	25100
8	6140	780	29200	22300	32600	23800	36600	24600	32800	20600	37400	25500
9	3230	590	31000	21500	34300	23200	36400	21100	31900	20900	39100	28100
10	6460	633	30800	22600	35200	23800	28500	16800	31900	21800	41500	28100
11	8500	2900	28800	17600	35100	23200	33900	20400	31300	21100	38200	28100
12	10200	3810	28700	18300	36300	24500	32200	22000	31800	22600	39300	27500
13	13300	4140	29000	18200	34100	22400	30700	18500	32700	21400	40500	29300
14	15700	5650	31900	21800	33600	22300	31100	19500	33700	22800	38500	26200
15	17400	4860	26900	16100	31500	21600	29800	20100	34900	21400	38400	25900
16	19600	5530	26700	18400	31400	23100	31600	20200	34000	20300	37300	26900
17	19800	6340	29900	21000	32600	22800	32700	19900	35000	20300	34300	23800
18	18600	5900	25800	16900	29600	20900	32900	18900	31600	21200	31500	22400
19	15300	5300	26500	21400	29700	23100	34500	21200	36400	20700	35500	23000
20	17400	7700	27700	15900	29800	21100	34800	21700	37200	24600	35400	29100
21	19300	8860	21200	14700	30400	22700	25700	16600	37500	25300	36300	29200
22	21000	8460	23800	15600	31000	20700	27400	18200	37000	26700	34400	25200
23	16800	12000	25300	17600	29000	18300	28800	19800	38100	26600	32700	24800
24	---	---	30600	18500	29300	19200	29000	19200	36400	26300	34300	25500
25	---	---	33600	22100	29900	17600	29300	19500	37000	27700	34900	27100
26	---	---	33100	20300	31100	20100	28000	16300	37200	29000	34800	27100
27	---	---	28600	17500	34400	23500	28200	18600	37000	27400	34100	25200
28	---	---	28700	17400	37500	28600	30000	18700	37800	29300	34700	24700
29	---	---	28200	17100	37600	23500	32400	21600	---	---	41500	26400
30	---	---	24700	17400	31900	22300	32700	23200	---	---	35400	23400
31	22700	12500	---	---	26800	20000	31200	21500	---	---	30700	20500
MONTH	22700	590	33600	13100	37600	17600	36600	16300	38100	18100	42100	20500

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24900	15200	33500	20600	40500	31400	23100	12300	---	---	11600	1120
2	18800	10400	34300	23600	41800	30800	27600	11500	---	---	10000	731
3	26100	8820	34300	25100	40400	29800	24700	9550	---	---	6210	730
4	24000	8810	31000	24400	41600	29900	25700	8580	---	---	4830	645
5	25100	9080	33500	25900	42000	29800	31500	7920	---	---	3890	536
6	24000	9430	34500	26100	41200	29400	28800	8020	---	---	937	563
7	23900	9800	35700	27000	40400	26900	27400	7400	---	---	841	426
8	24300	10100	33500	25900	37600	26600	27900	8170	---	---	714	309
9	26500	9850	35700	24900	37500	24000	23900	8420	---	---	615	290
10	26200	9280	39200	27000	38400	23300	25500	7740	---	---	716	276
11	29900	9600	37500	28400	38000	22600	15300	6630	---	---	806	254
12	27600	11400	38000	27200	32200	23400	10200	4430	---	---	725	229
13	28200	9420	40100	28900	29500	20100	---	---	---	---	665	202
14	26500	9000	38000	27800	30100	18700	---	---	632	304	7980	169
15	23500	10500	38700	27100	28600	19400	---	---	675	305	649	152
16	22600	10000	38200	29900	29700	20100	---	---	676	336	312	133
17	22100	12100	38700	31000	29000	20900	---	---	754	345	243	125
18	17900	14300	38600	31900	31200	21300	---	---	1280	380	245	122
19	22700	12700	38800	32500	31100	19300	---	---	4340	386	198	122
20	25200	15100	40300	33100	33400	18000	---	---	2680	428	190	124
21	27000	16900	42600	34200	36700	17500	---	---	1160	433	194	128
22	25700	17300	43500	34200	34300	16000	---	---	716	414	209	141
23	29700	18200	43600	34200	32900	14700	---	---	601	414	231	157
24	31900	18200	43500	33700	31000	10500	---	---	615	393	253	172
25	34500	18400	44000	32700	24900	9570	---	---	697	392	295	187
26	30100	18900	44300	32500	21300	8110	---	---	668	417	355	204
27	30700	15400	42900	32000	14600	6880	---	---	3630	470	295	219
28	34500	18300	41100	29800	18400	8480	---	---	5910	987	338	231
29	26800	20000	40900	27600	21600	13000	---	---	12800	1050	526	245
30	30900	18400	38300	29700	21500	13100	---	---	13300	1100	483	259
31	---	---	38900	27900	---	---	---	---	15100	1280	---	---
MONTH	34500	8810	44300	20600	42000	6880	31500	4430	15100	304	11600	122
YEAR	44300	122										

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7590	711	27600	13900	26900	17500	27800	21200	32200	17500	---	---
2	4590	786	29100	14800	27800	18900	27300	20500	27300	18100	---	---
3	6050	795	25400	16000	26200	21500	29200	20100	25300	17200	---	---
4	14200	1330	28000	17900	26300	19900	29100	22900	30400	18800	---	---
5	7950	1430	30300	19800	28000	21100	35600	20600	31900	20800	---	---
6	8480	801	29700	22200	31400	22600	35700	23900	31700	18900	---	---
7	6490	729	29900	20200	31600	24900	33900	21600	33200	21000	---	---
8	6850	766	29800	23600	33100	23800	36100	24300	33900	21400	---	---
9	3630	544	31600	22500	34200	23400	36000	20700	33000	21700	---	---
10	6590	585	31500	23200	35000	23600	28100	16400	33000	22600	---	---
11	10300	2890	29900	18400	35300	23300	32900	20100	32300	21900	---	---
12	12800	3890	29600	18700	36800	24500	32100	21600	33000	23300	---	---
13	15000	4220	30000	19300	34400	22900	30100	17000	33800	20500	---	---
14	18100	5770	32800	21900	35000	22600	30100	18800	35300	23700	---	---
15	19700	5370	27700	16400	33100	22200	28800	19300	36000	22200	38700	33800
16	20900	6030	27800	18600	32100	23900	30400	19600	35200	21100	37800	27100
17	21300	7100	30700	21800	33500	23300	31100	19000	36200	21000	34500	24200
18	20400	6920	25600	16500	29600	20800	31400	17900	32600	21100	31700	22400
19	21800	5810	28100	21700	29600	23300	32600	20100	37200	21100	34800	22700
20	21600	8540	29300	16400	29900	20900	32900	20400	38400	24700	34800	28700
21	25200	9840	21400	14200	30700	22700	23800	15500	38000	25600	35400	28300
22	23600	9390	22800	14600	31000	21100	25700	16400	---	---	33600	24700
23	20400	10900	24000	16600	28900	18200	26300	18000	---	---	31900	24000
24	18600	12000	30800	18800	29100	19100	27100	17500	---	---	33500	24600
25	23100	13700	33400	21700	29700	17700	29500	18500	---	---	34400	26400
26	26100	15100	33900	20600	31700	20100	27100	15600	---	---	34700	26400
27	26700	15100	29400	15600	34600	23400	27500	18100	---	---	34200	24900
28	25000	12900	28300	17200	37500	28700	28700	18500	---	---	34900	24800
29	28700	15100	27900	16500	37600	23400	31900	21000	---	---	42000	26500
30	28000	13900	24400	17100	32000	22200	32200	22700	---	---	35200	23200
31	27000	13100	---	---	26700	20100	30600	21900	---	---	30200	20400
MONTH	28700	544	33900	13900	37600	17500	36100	15500	38400	17200	42000	20400

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24800	14700	34400	21200	41000	29000	27800	12600	---	---	13200	1240
2	18800	9880	35400	24200	42400	30300	31300	11800	---	---	11200	861
3	25700	8150	35400	25800	40100	26400	29800	9630	---	---	6990	762
4	24000	8290	32400	25100	41700	29500	29800	8110	---	---	5290	686
5	25000	8720	34600	26600	42000	29400	32100	7680	---	---	4520	557
6	23500	8990	35600	26800	41500	28800	29600	7880	---	---	937	559
7	23400	9040	37000	27900	40900	26500	28400	7480	---	---	842	429
8	23700	9510	34700	26700	38000	26100	28900	8240	---	---	711	312
9	26100	9080	39200	25600	37500	23300	25100	8560	---	---	571	296
10	25800	8760	42100	28600	38400	23100	26200	7950	---	---	708	276
11	29800	9130	40300	30300	36900	23000	16000	6570	---	---	786	244
12	27900	10700	41800	29100	33000	22600	11300	4410	---	---	718	230
13	28100	9280	41400	29600	33200	20700	---	---	---	---	653	203
14	27700	8860	39100	28400	31200	19300	---	---	653	315	9760	171
15	24200	10800	39800	27700	30900	20100	---	---	693	320	622	149
16	23100	10100	39100	30500	31800	21300	---	---	696	348	306	131
17	22700	12500	39600	31700	31800	21600	---	---	803	358	235	122
18	18800	9710	39400	32500	32200	21900	---	---	1240	395	232	117
19	23700	13100	39700	33000	32100	19900	---	---	4410	410	191	110
20	25900	15500	41100	33600	34700	18400	---	---	2740	444	174	118
21	27700	17300	43700	35000	37900	18000	---	---	1190	450	185	122
22	27100	17800	44700	34900	35100	16400	---	---	729	433	202	134
23	30500	18700	44800	34900	33700	15000	---	---	615	437	224	150
24	32900	18700	44900	34700	31800	10600	---	---	625	406	246	160
25	35600	19000	45300	33000	25400	9740	---	---	709	405	284	177
26	31200	19500	45500	33300	23400	8190	---	---	676	428	349	194
27	31600	15900	43900	32500	19400	6990	---	---	3630	479	283	216
28	35600	18800	41800	29100	24700	8610	---	---	5820	993	334	228
29	28500	20600	41500	26300	26400	13300	---	---	13800	1060	516	243
30	31300	19000	39000	29800	30100	13300	---	---	13400	1130	486	254
31	---	---	39500	26800	---	---	---	---	15500	1300	---	---
MONTH	35600	8150	45500	21200	42400	6990	32100	4410	15500	315	13200	110
YEAR	45500	110										

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.3	27.1	25.9	23.9	21.6	18.0	14.9	10.6	21.8	19.0	26.9	24.7
2	29.7	27.0	25.6	23.5	22.2	19.7	15.4	12.0	23.1	20.2	26.6	24.4
3	28.6	27.3	26.0	23.6	22.3	19.2	15.2	11.4	21.6	18.5	25.8	24.6
4	28.8	27.1	26.4	22.9	19.5	16.9	13.9	12.2	20.8	18.5	25.4	24.3
5	31.4	27.5	25.8	23.3	19.3	17.4	13.5	10.8	20.6	18.9	24.4	21.7
6	29.8	28.4	25.5	23.8	18.5	16.5	14.1	12.5	20.5	15.8	22.1	18.8
7	31.1	28.2	25.7	23.3	19.3	16.7	14.9	12.5	20.4	17.6	20.7	17.4
8	30.2	27.6	25.6	23.9	19.5	17.3	16.3	14.4	21.1	18.7	21.2	17.6
9	28.5	20.0	25.1	23.8	20.5	18.7	16.3	14.0	21.7	19.4	21.5	18.8
10	24.1	17.2	25.6	24.4	20.8	19.7	15.6	11.3	23.2	20.9	22.3	20.0
11	23.3	20.1	25.0	22.9	21.4	20.6	16.1	13.5	24.3	21.8	23.6	20.4
12	23.6	20.8	24.9	22.2	22.9	20.9	17.3	14.8	24.8	22.5	24.9	21.6
13	23.7	21.0	24.9	22.6	24.1	22.2	18.1	14.2	24.7	22.2	24.6	23.4
14	24.4	21.9	24.6	23.1	25.2	22.9	18.5	15.1	24.9	22.7	25.7	23.6
15	25.0	22.4	24.0	21.2	25.2	23.8	18.8	16.3	24.6	22.9	25.7	24.1
16	26.0	23.0	23.7	20.7	25.2	23.6	20.3	17.0	24.5	23.2	25.5	24.4
17	25.3	23.6	24.8	21.8	24.8	21.9	21.4	18.2	25.0	23.2	26.7	24.6
18	26.3	23.9	24.6	22.5	22.2	19.7	20.7	19.1	24.4	20.8	26.1	23.8
19	27.1	23.7	25.0	23.1	20.3	18.0	21.9	19.9	23.0	18.0	24.4	23.0
20	27.8	24.2	24.1	22.1	18.7	14.7	21.7	18.8	23.1	21.0	23.7	22.9
21	27.1	24.9	22.3	17.2	17.2	12.9	19.4	12.9	23.5	22.3	23.0	21.0
22	26.1	24.3	19.4	12.8	17.1	14.9	17.4	13.4	24.7	22.0	22.3	18.8
23	24.5	22.9	17.9	15.4	17.2	13.5	15.8	12.3	24.7	23.0	22.6	19.6
24	---	---	18.7	16.3	17.2	14.7	16.1	12.4	25.4	22.9	23.6	20.2
25	---	---	19.7	18.5	18.1	14.2	16.7	13.9	25.5	23.8	24.3	21.8
26	---	---	20.6	19.7	18.5	14.9	16.5	12.5	26.8	24.5	23.9	22.4
27	---	---	21.1	19.2	18.9	16.4	16.2	14.2	27.4	24.5	24.1	20.3
28	---	---	21.4	19.2	19.3	17.9	16.8	14.8	26.9	25.1	23.0	20.4
29	---	---	21.1	19.2	18.9	17.1	18.2	15.6	---	---	23.2	21.8
30	---	---	21.8	18.9	18.1	15.0	19.8	16.9	---	---	22.1	21.3
31	26.4	24.7	---	---	15.8	10.6	21.4	18.0	---	---	23.7	21.6
MONTH	31.4	17.2	26.4	12.8	25.2	10.6	21.9	10.6	27.4	15.8	26.9	17.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.3	22.2	24.6	21.0	30.6	28.8	31.0	27.6	---	---	31.3	29.4
2	24.6	21.7	25.5	22.2	30.7	28.1	31.4	28.0	---	---	31.2	29.3
3	24.5	21.9	24.6	22.7	31.3	29.1	32.1	28.9	---	---	31.9	29.4
4	25.6	23.0	25.5	21.4	31.0	29.0	31.4	28.8	---	---	31.5	29.6
5	27.1	23.8	26.1	22.5	30.4	28.7	30.9	28.8	---	---	31.8	28.8
6	26.9	24.2	26.0	22.9	29.4	28.3	31.8	29.3	---	---	31.7	29.2
7	26.9	24.4	25.3	22.5	29.4	27.8	32.6	29.4	---	---	32.0	29.1
8	28.1	25.5	25.1	23.2	30.2	28.1	31.7	29.8	---	---	30.6	28.6
9	28.5	26.3	24.8	22.6	31.2	28.5	30.4	29.0	---	---	29.6	27.2
10	29.1	26.3	24.7	22.7	31.0	29.0	31.0	28.6	---	---	28.8	26.9
11	28.0	26.0	25.1	23.1	31.1	29.3	29.7	28.1	---	---	29.3	26.6
12	28.7	26.5	26.3	23.3	32.2	29.6	29.5	28.5	---	---	28.3	26.4
13	28.3	26.9	27.2	24.0	33.6	29.9	---	---	---	---	26.4	25.4
14	28.7	27.5	27.2	24.7	32.8	29.2	---	---	31.1	29.4	25.5	24.3
15	29.1	27.3	27.3	25.3	32.9	29.1	---	---	31.0	28.8	26.3	24.2
16	28.8	27.3	28.1	25.8	31.6	28.7	---	---	32.0	29.3	27.0	24.2
17	27.8	25.6	28.5	26.1	32.9	29.3	---	---	32.1	29.8	27.4	24.4
18	26.2	20.4	29.0	26.6	31.6	28.8	---	---	32.1	29.7	27.4	24.9
19	24.9	18.5	29.8	26.6	30.0	28.4	---	---	31.6	29.6	27.6	25.5
20	25.0	20.9	29.8	27.0	31.1	28.0	---	---	31.4	29.0	27.6	25.7
21	25.5	21.9	29.7	27.7	29.8	27.6	---	---	31.3	29.3	28.7	26.3
22	26.4	22.4	30.3	28.3	29.1	27.4	---	---	31.6	29.0	30.4	26.7
23	25.9	23.4	30.2	28.9	28.1	26.3	---	---	32.5	29.4	29.9	26.6
24	26.9	24.2	30.2	28.5	28.8	26.5	---	---	33.1	29.8	29.5	27.0
25	27.1	25.2	30.2	28.2	30.2	27.5	---	---	33.8	30.2	29.9	27.3
26	27.1	23.5	29.9	28.3	31.4	27.7	---	---	33.1	29.9	28.7	27.1
27	24.9	21.3	29.3	28.3	30.0	27.4	---	---	32.2	29.7	27.1	26.1
28	24.4	22.6	29.5	28.0	30.2	27.3	---	---	32.9	29.8	26.1	25.5
29	23.7	21.9	29.9	27.5	29.7	27.6	---	---	32.7	30.0	27.1	24.6
30	23.3	20.7	31.6	28.4	30.3	27.7	---	---	32.2	30.2	26.7	23.2
31	---	---	31.7	28.9	---	---	---	---	31.2	30.0	---	---
MONTH	29.1	18.5	31.7	21.0	33.6	26.3	32.6	27.6	33.8	28.8	32.0	23.2
YEAR	33.8	10.6										

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.2	27.1	25.9	23.9	21.6	17.9	14.9	10.6	21.7	19.0	26.6	24.8
2	29.7	27.0	25.5	23.4	22.2	19.8	15.4	12.0	23.1	20.2	26.3	24.5
3	28.6	27.3	26.0	23.7	22.3	19.2	15.2	11.4	21.5	18.4	25.8	24.6
4	28.8	27.4	26.4	22.9	19.5	16.9	13.9	12.1	20.8	18.5	25.5	24.3
5	30.8	27.8	25.8	23.3	19.3	17.4	13.5	10.4	20.6	18.9	24.4	21.7
6	29.6	28.3	25.5	23.7	18.5	16.5	14.1	12.5	20.3	15.8	22.1	18.8
7	31.1	28.4	25.7	23.3	19.3	16.7	14.9	12.5	20.4	17.6	20.7	17.3
8	30.2	27.4	25.6	23.9	19.4	17.2	16.3	14.4	21.1	18.7	21.2	17.6
9	28.6	20.0	25.1	23.6	20.5	18.7	16.3	13.9	21.7	19.3	21.2	18.8
10	24.1	17.1	25.5	24.4	20.8	19.7	15.6	11.3	23.3	20.8	22.5	19.9
11	23.3	20.1	25.0	22.9	21.4	20.6	16.1	13.5	24.3	21.9	23.7	20.5
12	23.5	20.8	24.8	22.2	23.1	20.8	17.3	14.8	24.8	22.5	24.8	21.6
13	23.6	21.0	24.9	22.6	24.1	22.2	18.0	14.2	24.7	22.2	24.6	23.4
14	24.3	22.1	24.6	23.2	25.3	22.9	18.5	15.1	24.8	22.7	25.7	23.6
15	25.0	22.5	24.0	21.1	25.2	23.8	18.9	16.2	24.5	22.9	25.6	24.1
16	26.0	23.0	23.7	20.7	25.2	23.6	20.3	17.0	24.5	23.2	25.4	24.5
17	25.4	23.6	24.8	21.8	24.8	21.9	21.4	18.2	25.0	23.2	26.6	24.6
18	26.7	23.9	24.7	22.5	22.3	19.7	20.6	19.1	24.5	20.8	26.0	23.9
19	27.2	23.9	25.0	23.1	20.3	18.0	21.9	19.9	23.0	18.0	24.4	23.0
20	27.7	24.3	24.0	21.9	18.7	14.7	21.7	18.8	23.1	21.0	23.7	22.9
21	27.1	24.9	22.3	17.2	17.2	12.9	19.5	12.9	23.5	22.3	23.0	21.0
22	26.1	24.3	19.3	12.7	17.1	14.9	17.3	13.4	24.7	22.1	22.3	18.8
23	25.5	22.9	17.9	15.4	17.2	13.5	15.8	12.3	24.7	23.1	22.6	19.6
24	25.0	22.4	18.7	16.3	17.2	14.7	16.1	12.4	25.5	22.9	23.6	20.2
25	24.4	22.1	19.7	18.5	18.0	14.2	16.5	13.8	25.5	23.8	24.3	21.8
26	24.8	22.6	20.6	19.7	18.5	14.9	16.5	12.5	26.8	24.5	23.9	22.4
27	25.1	23.0	21.1	19.1	18.9	16.4	16.2	14.1	27.4	24.6	24.1	20.3
28	25.4	22.9	21.4	19.2	19.3	17.9	16.8	14.7	26.7	25.1	22.9	20.4
29	25.7	23.5	21.1	19.2	19.0	17.0	18.2	15.6	---	---	23.2	21.8
30	26.2	24.1	21.8	18.9	18.1	14.9	19.2	16.9	---	---	22.1	21.3
31	26.4	24.2	---	---	15.7	10.6	21.2	18.1	---	---	23.6	21.6
MONTH	31.1	17.1	26.4	12.7	25.3	10.6	21.9	10.4	27.4	15.8	26.6	17.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.2	22.2	24.5	21.0	30.5	28.8	30.9	27.6	---	---	31.0	29.4
2	24.6	21.7	25.4	22.1	30.6	28.1	31.1	28.0	---	---	31.2	29.3
3	24.4	21.9	24.6	22.7	31.2	29.1	31.9	28.9	---	---	31.7	29.4
4	25.4	23.1	25.5	21.4	31.0	29.1	31.0	29.2	---	---	31.5	29.5
5	27.0	23.8	26.0	22.5	30.2	28.8	30.9	28.8	---	---	31.5	28.8
6	26.9	24.2	25.9	22.8	29.4	28.3	31.8	29.3	---	---	31.5	29.1
7	26.9	24.4	25.2	22.5	29.4	27.8	32.5	29.4	---	---	30.9	29.1
8	28.0	25.5	25.1	23.1	30.2	28.0	31.7	29.7	---	---	30.3	28.5
9	28.5	26.3	24.6	22.7	31.1	28.4	30.3	29.0	---	---	29.3	27.2
10	29.0	26.3	24.7	22.6	30.9	29.0	31.0	28.6	---	---	28.7	26.9
11	28.0	26.0	25.1	23.1	31.0	29.3	29.7	28.1	---	---	29.3	26.5
12	28.2	26.6	25.7	23.3	31.7	29.6	29.2	28.2	---	---	28.2	26.3
13	28.3	26.9	26.3	23.9	33.3	29.9	---	---	---	---	26.3	25.4
14	28.7	27.5	27.2	24.8	32.7	29.1	---	---	30.8	29.2	25.5	24.2
15	28.7	27.3	27.2	25.3	32.7	29.1	---	---	31.0	28.8	26.2	24.2
16	28.8	27.3	28.0	25.8	31.4	28.8	---	---	32.0	29.3	26.9	24.1
17	27.8	25.5	28.4	26.0	32.7	29.2	---	---	31.9	29.8	27.0	24.3
18	26.2	20.3	28.8	26.4	31.5	28.8	---	---	32.1	29.7	27.3	24.9
19	24.9	18.5	29.6	26.6	29.9	28.3	---	---	31.6	29.6	27.5	25.4
20	24.9	20.9	29.8	27.1	30.7	28.0	---	---	31.4	29.0	27.5	25.7
21	25.4	21.9	29.7	27.8	29.8	27.5	---	---	31.3	29.2	28.5	26.2
22	26.2	22.4	30.2	28.3	29.1	27.3	---	---	31.6	28.9	29.8	26.7
23	25.9	23.4	30.1	28.8	28.1	26.3	---	---	32.3	29.4	29.7	26.6
24	26.8	24.2	30.1	28.5	28.8	26.5	---	---	33.0	29.8	29.3	27.0
25	27.1	25.2	30.0	28.1	30.1	27.5	---	---	33.7	30.1	29.8	27.2
26	27.0	23.5	29.9	28.3	31.4	27.7	---	---	33.1	29.9	28.7	27.1
27	24.9	21.2	29.3	28.2	29.9	27.5	---	---	32.2	29.7	27.1	26.0
28	24.1	22.6	29.5	28.0	30.1	27.3	---	---	32.9	29.8	26.1	25.5
29	23.6	21.8	29.7	27.4	29.7	27.5	---	---	32.6	30.0	27.0	24.6
30	23.2	20.6	31.5	28.4	30.2	27.7	---	---	32.1	30.2	26.7	23.2
31	---	---	31.6	28.9	---	---	---	---	31.3	30.0	---	---
MONTH	29.0	18.5	31.6	21.0	33.3	26.3	32.5	27.6	33.7	28.8	31.7	23.2
YEAR	33.7	10.4										

PEACE RIVER BASIN

02298123 PRAIRIE CREEK NEAR FORT OGDEN, FL

LOCATION.--Lat 27°03'06", long 81°47'05", in SE ¼ 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 downstream from Myrtle Slough, and 10.6 mi east of Fort Ogden.
DRAINAGE AREA.--233 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1968; October 1969 to September 1977 (gage heights and discharge measurements only); October 1977 to current year.
REVISED RECORDS.--W 1983: 1982 (M and daily).
GAGE.--Water-stage recorder. Datum of gage is 25.00 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	20	15	26	21	3.3	64	8.4	41	136	974	e250
2	111	22	14	31	23	2.9	65	9.0	63	139	934	e200
3	85	16	16	33	27	2.8	80	12	44	135	955	e260
4	90	16	18	e35	27	3.2	76	7.0	69	130	962	e200
5	117	17	22	e39	26	3.9	60	5.4	58	147	1060	e170
6	107	24	15	e43	22	4.0	49	5.1	45	e140	1060	220
7	107	23	14	e50	20	3.5	45	5.0	48	115	1190	385
8	92	21	16	e54	17	4.1	40	4.9	63	113	1020	478
9	82	19	16	e52	21	3.0	37	4.5	72	126	914	500
10	86	17	17	e50	20	3.0	33	3.8	83	159	861	558
11	54	17	18	e48	22	3.7	31	3.3	97	e711	870	653
12	60	19	16	e46	23	2.5	25	3.3	82	789	854	749
13	66	21	14	e52	21	2.5	23	2.8	83	770	774	872
14	59	17	12	e49	15	2.5	23	2.2	117	866	704	1710
15	59	17	12	e52	8.1	2.4	22	1.7	96	933	617	2470
16	50	15	14	e58	6.6	2.1	22	1.2	74	821	542	2390
17	40	17	16	e56	5.7	2.1	19	e.87	61	727	498	2340
18	33	18	17	e54	5.5	2.2	17	e.80	61	670	e455	2230
19	36	19	17	e52	5.8	3.3	12	e.64	52	627	e410	2070
20	36	19	17	e50	4.4	3.5	10	e.50	54	645	e373	1880
21	33	21	17	e48	4.2	2.1	9.2	e.45	50	711	e338	1810
22	32	17	17	e44	3.0	1.6	8.9	2.1	96	762	370	1630
23	33	15	19	e40	3.1	1.2	9.7	9.3	117	e1000	387	1430
24	30	15	21	27	3.0	.99	10	8.9	123	e1300	370	1280
25	26	16	22	22	3.0	1.5	8.6	8.3	141	e1700	e350	1170
26	26	21	24	23	3.6	2.6	7.5	8.7	136	1580	e320	1060
27	25	24	20	26	3.4	3.5	6.9	12	129	1420	e280	986
28	22	22	16	27	3.5	3.0	6.6	18	137	1220	e270	931
29	22	19	15	28	---	2.3	6.5	31	147	1090	e255	1020
30	25	16	17	24	---	24	7.4	24	140	1060	e240	999
31	21	---	23	23	---	52	---	18	---	1020	e230	---
TOTAL	1788	560	527	1262	367.9	155.29	834.3	223.16	2579	21762	19437	32901
MEAN	57.7	18.7	17.0	40.7	13.1	5.01	27.8	7.20	86.0	702	627	1097
MAX	123	24	24	58	27	52	80	31	147	1700	1190	2470
MIN	21	15	12	22	3.0	.99	6.5	.45	41	113	230	170
CFSM	.25	.08	.07	.17	.06	.02	.12	.03	.37	3.01	2.69	4.71
IN.	.29	.09	.08	.20	.06	.02	.13	.04	.41	3.47	3.10	5.25

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	278	84.2	58.9	87.8	128	166	64.9	37.0	242	341	400	490
MAX	1117	367	462	613	984	895	285	284	1608	1196	1193	1546
(WY)	1980	1999	1998	1998	1983	1984	1987	1991	1982	1968	1995	1979
MIN	21.4	7.86	4.66	4.08	5.80	4.35	3.07	1.21	3.88	27.2	78.7	93.2
(WY)	1985	1982	1982	1965	1968	1968	1964	1985	1964	1981	1996	1968

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	17603.12		82396.65			
ANNUAL MEAN	48.1		226		198	
HIGHEST ANNUAL MEAN					457	1995
LOWEST ANNUAL MEAN					80.6	2000
HIGHEST DAILY MEAN	307	Aug 17	2470	Sep 15	4870	Aug 26 1995
LOWEST DAILY MEAN	.58	Jun 8	.45	May 21	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.92	Jun 3	.88	May 15	.04	Jun 1 1965
MAXIMUM PEAK FLOW			2540	Sep 15	5320	Aug 26 1995
MAXIMUM PEAK STAGE			12.13	Sep 15	14.19	Oct 1 1979
ANNUAL RUNOFF (CFSM)	.21		.97		.85	
ANNUAL RUNOFF (INCHES)	2.81		13.16		11.57	
10 PERCENT EXCEEDS	125		889		597	
50 PERCENT EXCEEDS	23		27		59	
90 PERCENT EXCEEDS	2.6		3.3		6.8	

02298123 PRAIRIE CREEK NEAR FORT OGDEN, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
15...	1030	3.09	17	9.0	7.8	1000	19.0	.49	.02	.1	<.01	<.010	<.020
FEB													
07...	0906	3.54	20	8.1	7.4	1480	15.0	.61	.02	M	<.01	.030	<.020
MAY													
23...	0929	3.00	11	4.8	7.3	1270	25.2	1.3	.06	2.6	.14	.080	.120
JUL													
09...	0934	5.57	137	4.4	7.2	1090	28.4	1.4	.04	.2	<.01	.090	.100
AUG													
06...	1429	10.60	1040	2.1	6.8	543	28.0	2.1	.19	.1	.01	.260	.290
SEP													
20...	0937	11.45	1890	2.6	5.9	257	28.5	1.6	.05	M	<.01	.230	.260

Remark codes used in this report:

Null value remark codes used in this report:
M -- Presence verified, not quantified

PEACE RIVER BASIN

02298202 SHELL CREEK NEAR PUNTA GORDA, FL

LOCATION.--Lat 26°59'04", long 81°56'09", in NW $\frac{1}{4}$ sec.20, T.40 S., R.24 E., Charlotte County, Hydrologic Unit 03100101, near left bank 60 ft upstream from dam, 1.0 mi upstream from Myrtle Slough, 6.0 mi upstream from mouth, and 7.7 mi northeast of Punta Gorda.
DRAINAGE AREA.--373 mi^2.
PERIOD OF RECORD.--January 1965 to September 1987; October 1987 to September 1994 (gage heights only), October 1994 to current year.
REVISED RECORDS.--WRD FL-95-3A: 1995 CFSM, IN. WRD FL-96-3A: 1996 October adjusted mean, (M).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by concrete dam. Diversion by city of Punta Gorda for water supply.
REVISIONS.--Water year 1998 adjusted mean 1.28 ft^3/s is in error. Corrected number is 128 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e450	62	11	11	.00	5.4	295	36	32	262	1670	447
2	e406	58	11	15	.00	4.4	271	36	113	243	1600	459
3	287	60	11	18	.35	4.6	255	35	201	259	1680	405
4	259	59	8.0	21	7.1	13	243	52	207	225	1840	463
5	249	60	8.6	22	20	28	236	46	228	189	2140	423
6	233	62	9.5	23	29	25	220	39	292	196	2170	414
7	248	62	8.3	26	30	29	203	26	266	185	2160	650
8	250	55	8.4	27	28	27	199	13	199	199	2330	850
9	218	48	9.9	27	24	27	191	5.0	244	200	2020	1620
10	191	49	12	25	24	28	178	.96	231	256	1700	1290
11	181	49	14	23	34	27	168	.16	216	478	1680	1270
12	147	51	15	23	34	29	162	.00	207	737	1990	2200
13	139	52	16	26	34	24	147	.00	186	913	1910	2330
14	138	55	10	23	35	22	115	.00	142	982	1570	4500
15	125	55	8.5	28	33	20	86	.00	141	1160	1320	5860
16	126	52	7.9	33	31	15	65	.00	117	1250	1130	5110
17	127	52	11	27	25	12	45	.00	82	1180	1010	4190
18	116	51	15	26	25	11	28	.00	49	1060	897	3530
19	122	44	18	25	20	23	37	.00	69	882	776	3180
20	127	37	18	24	10	48	44	.00	164	857	661	2900
21	124	24	17	22	9.5	57	47	.00	156	e845	600	2630
22	96	22	21	19	7.9	61	51	.00	184	e1640	631	2420
23	65	22	22	15	9.5	61	51	.00	261	e2440	685	2190
24	57	20	17	19	9.2	57	48	.00	264	e3270	695	1930
25	48	13	14	17	7.2	53	50	.00	265	e3540	673	1850
26	45	20	9.5	18	8.0	49	49	.00	271	3730	629	1670
27	46	22	8.0	18	5.8	46	43	.00	260	3350	589	1550
28	51	21	8.7	14	7.0	47	39	.00	236	2820	517	1520
29	56	16	9.4	6.2	---	64	36	.00	250	2320	506	1700
30	58	13	7.4	1.2	---	257	35	.06	270	1950	488	1780
31	64	---	7.4	.06	---	279	---	9.1	---	1790	452	---
TOTAL	4849	1266	372.5	622.46	507.55	1453.4	3637	298.28	5803	39408	38719	61331
MEAN	156	42.2	12.0	20.1	18.1	46.9	121	9.62	193	1271	1249	2044
MAX	450	62	22	33	35	279	295	52	292	3730	2330	5860
MIN	45	13	7.4	.06	.00	4.4	28	.00	32	185	452	405
(†)	7.7	6.5	6.0	6.1	6.3	5.3	5.6	5.3	4.0	4.7	5.9	7.0

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	439	143	110	149	171	238	104	79.3	438	615	682	763
MAX	1707	601	573	902	1391	1320	499	524	2253	2485	2028	2325
(WY)	1996	1969	1998	1970	1983	1984	1970	1991	1982	1974	1995	1979
MIN	50.7	13.8	7.51	.000	.000	9.08	.20	.000	11.1	87.4	157	210
(WY)	1973	1991	1991	1965	1965	1981	1975	1967	2000	1981	1972	1972

ADJUSTED FOR DIVERSION BY CITY OF PUNTA GORDA

MEAN	164	48.7	18.0	26.2	24.4	52.2	127	14.9	197	1276	1255	2051
CFSM	0.44	0.13	0.05	0.07	0.07	0.14	0.34	0.04	0.53	3.42	3.36	5.50
IN	0.51	0.15	0.06	0.08	0.07	0.16	0.38	0.05	0.59	3.94	3.88	6.13

	OBSERVED				ADJUSTED		
CAL YR 2000 TOTAL	41922.95	MEAN 115	MAX 1260	MIN 0.00	MEAN 121	CFSM 0.32	IN 4.40
WTR YR 2001 TOTAL	158267.19	MEAN 434	MAX 5860	MIN 0.00	MEAN 439	CFSM 1.18	IN 15.99

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

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL

LOCATION.--Lat 26°58'18", long 81°58'10", in NE ¼ sec.25, T.40 S., R.23 E., Charlotte County, Hydrologic Unit 03100101, on left bank, on private concrete dock on Riverside Drive, 2.8 mi upstream from mouth, and 7.0 mi north of Punta Gorda.
DRAINAGE AREA.--421 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--March 1997 to current year (gage heights only), incomplete.
GAGE.--Water-stage recorder. Datum of gage is 8.74 ft below National Geodetic Vertical Datum of 1929.
REMARKS.--Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.59 ft, Sept. 14, 2001; minimum, 6.59 ft, Oct. 23, 1998.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.59 ft, Sept. 14; minimum, 6.68 ft, Dec. 25.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10.57	8.48	10.48	8.22	9.68	7.80	9.14	7.64	9.78	8.15	10.15	8.20
2	10.31	8.09	10.53	8.39	9.91	8.03	8.93	7.49	9.01	7.91	10.30	8.38
3	10.39	8.39	10.30	8.18	9.81	8.10	9.40	7.46	9.37	7.12	10.63	8.26
4	11.03	9.01	10.30	8.46	9.44	7.90	9.36	7.89	9.69	7.37	10.52	8.85
5	10.47	8.68	10.45	8.86	9.59	8.20	10.36	7.74	9.69	7.27	10.03	7.74
6	10.48	8.49	10.61	9.33	10.24	8.27	10.36	8.01	9.67	7.17	9.83	7.48
7	10.41	8.40	10.68	8.95	10.26	8.38	10.49	7.76	9.96	7.28	9.91	7.38
8	10.14	8.31	10.78	9.24	10.51	8.18	10.66	8.06	9.96	7.24	9.93	7.67
9	9.65	7.19	11.03	9.10	10.66	8.11	10.72	7.54	9.88	7.44	10.33	8.10
10	9.37	7.64	11.18	9.20	10.80	8.05	9.38	6.75	9.94	7.62	10.74	8.43
11	9.73	8.17	10.69	8.36	10.84	8.06	10.22	7.57	9.64	7.67	10.18	8.23
12	10.07	8.37	10.74	8.31	11.18	8.19	10.38	7.95	9.63	7.88	10.46	8.21
13	10.25	8.24	10.88	8.37	10.81	7.98	9.81	7.48	9.69	7.83	10.62	8.54
14	10.55	8.55	11.36	8.88	10.92	8.05	9.78	7.84	9.74	7.84	10.31	8.31
15	10.67	8.39	10.40	7.84	10.53	7.91	9.69	8.04	9.83	7.80	10.56	8.25
16	10.85	8.41	10.43	8.23	10.21	8.34	9.91	8.20	9.88	7.73	10.34	8.46
17	10.90	8.49	10.93	8.66	10.48	8.24	9.97	8.10	10.04	7.71	9.95	8.20
18	10.82	8.32	10.19	8.25	9.69	8.20	10.16	7.90	9.70	7.08	9.46	7.66
19	10.70	8.23	10.52	9.04	9.89	8.39	10.39	8.02	10.09	6.90	10.19	7.78
20	10.53	8.44	10.59	7.77	9.86	7.61	10.39	8.21	10.12	7.69	10.25	8.86
21	10.61	8.28	9.11	7.43	9.91	7.72	8.96	6.79	10.16	7.91	10.42	8.71
22	10.49	8.18	9.54	7.14	9.96	7.62	9.13	7.00	10.20	8.02	9.90	7.93
23	10.08	8.21	9.79	7.78	9.36	6.94	9.27	7.30	10.28	7.97	9.57	7.86
24	9.83	8.37	10.75	8.08	9.38	7.06	9.35	7.32	9.93	7.88	9.92	7.99
25	10.37	8.43	11.13	8.65	9.40	6.68	9.77	7.32	10.10	8.27	10.02	8.27
26	10.73	8.71	11.10	8.38	9.83	6.96	9.26	7.23	10.03	8.29	10.01	8.04
27	10.86	8.67	10.45	7.77	10.30	7.95	9.49	7.52	9.79	8.08	9.78	7.93
28	10.66	8.43	10.35	7.63	10.71	8.91	9.64	7.68	10.06	8.30	10.07	7.63
29	10.99	8.61	10.03	7.61	10.91	8.00	9.82	8.02	---	---	11.00	8.05
30	10.92	8.47	9.94	7.50	9.84	7.66	9.94	8.53	---	---	11.11	8.34
31	10.65	8.25	---	---	8.94	7.31	9.88	8.65	---	---	10.57	8.47
MONTH	11.03	7.19	11.36	7.14	11.18	6.68	10.72	6.75	10.28	6.90	11.11	7.38

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	9.77	8.11	9.80	7.37	10.42	8.54	10.41	8.41	---	---	10.91	8.64
2	9.86	7.67	9.94	7.96	10.62	8.56	10.61	8.43	---	---	10.94	8.60
3	10.30	7.75	9.94	8.10	10.47	8.20	10.60	8.15	---	---	10.83	8.71
4	10.27	8.03	9.49	7.83	10.59	8.10	10.74	8.05	---	---	10.85	8.67
5	10.29	8.05	9.71	8.00	10.65	7.97	10.87	8.13	---	---	10.76	8.68
6	10.32	8.16	9.94	7.93	10.54	7.86	10.82	8.10	---	---	10.48	8.66
7	10.16	8.21	10.12	7.84	10.60	7.80	10.61	8.09	---	---	10.52	8.85
8	10.25	8.23	9.78	7.79	10.40	7.85	10.64	8.12	---	---	10.69	9.05
9	10.44	8.19	10.23	7.75	10.47	7.86	10.37	8.19	---	---	10.86	9.21
10	10.44	8.16	10.57	7.98	10.53	7.95	10.99	8.33	---	---	10.93	8.92
11	10.80	8.16	10.33	8.12	10.54	8.03	10.26	8.62	---	---	10.38	8.83
12	10.58	8.32	10.40	8.12	10.11	8.35	10.33	8.93	---	---	10.81	9.05
13	10.57	8.20	10.41	8.18	10.02	8.41	---	---	---	---	10.92	9.07
14	10.45	8.10	9.99	8.07	9.85	8.36	---	---	10.69	8.56	14.59	9.69
15	10.17	8.17	10.15	8.14	9.93	8.46	---	---	10.89	8.50	11.56	10.17
16	10.04	8.34	10.11	8.51	10.02	8.27	---	---	11.15	8.44	11.27	10.18
17	9.86	8.04	10.15	8.47	9.99	8.08	---	---	10.99	8.23	11.31	10.09
18	9.43	7.27	10.11	8.51	10.21	7.87	---	---	11.21	8.40	11.43	9.99
19	9.41	7.26	10.15	8.57	10.25	7.70	---	---	11.45	8.55	11.33	9.98
20	9.73	7.87	10.35	8.44	10.39	7.71	---	---	11.21	8.48	11.44	9.93
21	9.91	8.21	10.73	8.51	10.68	7.78	---	---	10.83	8.57	11.57	9.71
22	9.69	7.95	10.86	8.47	10.71	7.75	---	---	10.77	8.53	11.15	9.29
23	10.10	8.11	10.92	8.38	10.75	7.85	---	---	10.53	8.68	10.89	9.09
24	10.26	8.08	10.90	8.32	10.69	7.85	---	---	10.47	8.53	10.90	9.36
25	10.49	8.08	10.99	8.08	10.39	7.86	---	---	10.53	8.33	11.04	9.10
26	9.90	7.69	10.96	8.18	10.22	7.90	---	---	10.23	8.20	10.30	8.60
27	9.85	7.10	10.85	8.20	9.48	7.80	---	---	10.24	8.12	10.65	8.75
28	10.34	7.52	10.43	8.17	9.96	8.09	---	---	10.33	8.03	11.07	9.23
29	9.35	7.70	10.39	8.19	10.06	8.46	---	---	10.57	8.25	10.60	8.50
30	9.46	7.31	9.91	8.26	10.33	8.44	---	---	10.69	8.38	10.03	8.69
31	---	---	10.08	8.21	---	---	---	---	11.02	8.52	---	---
MONTH	10.80	7.10	10.99	7.37	10.75	7.70	10.99	8.05	11.45	8.03	14.59	8.50
YEAR	14.59	6.68										

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1997 to current year, (incomplete).
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 1.7 ft below the surface and 1.0 ft above the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 39,600 microsiemens, June 4, 2000; bottom probe maximum, 46,800 microsiemens, June 5, 2000; top probe minimum, 155 microsiemens, Sept. 28, 1997; bottom probe minimum, 179 microsiemens, Sept. 28, 1997.
TEMPERATURE.--Top probe maximum, 36.0°C, June 4, 2000; bottom probe maximum, 33.8°C, July 3, 4, 29, 30, 1998; top probe minimum, 11.8°C, Jan. 5, 2001; bottom probe minimum, 11.7°C, Jan. 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 38,900 microsiemens, May 25, 26; bottom probe maximum, 38,800 microsiemens, May 26; top probe minimum, 197 microsiemens, Sept. 15; bottom probe minimum, 197 microsiemens, Sept.15.
TEMPERATURE.--Top probe maximum, 33.6°C, Aug. 16; bottom probe maximum, 32.7°C, Aug. 17; top probe minimum, 11.8°C, Jan. 5; bottom probe minimum, 11.7°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.7 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	599	511	15000	6220	19000	10300	19600	11100	20900	12600	28400	20200
2	602	543	15500	6830	20200	10800	17700	11100	18400	12700	28600	20600
3	641	591	19700	7440	21700	11300	19600	11100	20800	12500	31200	19700
4	1740	633	19600	8230	18600	11800	19500	12300	21400	13900	30700	21300
5	734	660	19600	10200	18700	11900	24800	9480	21600	14000	26700	19000
6	755	690	19800	10900	20600	12400	25300	10900	21900	13400	26700	21300
7	785	732	20700	11100	22300	13700	24700	9550	24000	13700	27100	19500
8	826	768	22500	12800	25200	13600	27100	11400	23800	14100	27600	19400
9	853	812	25900	13000	27000	14400	27400	9980	23800	14300	29200	20500
10	918	853	25500	13500	28100	14700	19200	7940	24400	14100	32200	21300
11	990	893	21800	12000	28500	14800	23800	9390	22900	13700	28800	21200
12	1680	893	22500	11600	31000	15600	23200	11000	22300	13900	30800	21200
13	3280	896	23300	11700	28600	14900	19400	8240	23000	13800	31900	21900
14	6360	951	26600	12800	29500	14600	19500	8540	22900	14100	29800	20800
15	8860	995	19500	10500	27300	15200	17300	8350	21700	14500	30700	21000
16	9640	1070	21200	10700	25600	15600	18300	8640	22600	13500	29300	20800
17	9760	1180	24200	13100	24600	17800	18200	8640	24700	14100	27400	19700
18	9710	1280	19000	11300	22600	14500	19900	9130	23000	14900	25900	18900
19	8670	1600	21200	12500	22400	15100	22300	9620	26700	15400	27500	19500
20	11100	2070	21700	10400	22000	15800	22800	11300	26900	16200	27600	20800
21	11300	2700	14700	10500	21900	12500	15700	8140	26100	17300	28100	22800
22	10300	2840	16900	10100	23000	12800	16900	7920	27600	18300	24900	21000
23	8340	2860	17700	9860	20100	12800	15600	8540	28400	18800	25600	18400
24	8470	3080	23200	10100	20900	12200	16300	6320	26900	19100	26400	19200
25	11600	3260	27500	11800	20500	11800	18400	8180	28200	20000	27000	20100
26	15000	4940	26500	11800	22600	12200	15600	7500	27600	20000	27200	19500
27	17000	5260	21700	10600	26600	13100	17200	7900	26900	19600	26200	18800
28	15100	5150	20100	10300	28700	16800	17700	9140	27600	21000	27800	19000
29	18600	5500	19900	9980	29200	14100	20800	10600	---	---	34200	19100
30	18600	5800	19000	10300	23400	12200	21200	12200	---	---	27300	16900
31	16500	5790	---	---	19400	11400	19800	13600	---	---	20100	11100
MONTH	18600	511	27500	6220	31000	10300	27400	6320	28400	12500	34200	11100

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.7 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11300	5690	22800	13900	34300	29100	12200	2400	---	---	3780	884
2	8110	4010	24000	15200	35300	29600	18000	2840	---	---	3140	886
3	12300	3960	24300	16000	34000	22600	17500	2320	---	---	1900	885
4	11600	4190	23200	16500	34000	17400	12900	1670	---	---	1430	897
5	10800	4060	24300	17300	32600	17100	16200	1650	---	---	1150	886
6	12100	3920	25900	17600	31900	12600	15700	1740	---	---	1010	892
7	11100	3670	27100	17900	30200	9430	13400	1670	---	---	973	857
8	10800	3840	26000	18400	27200	8260	15100	1800	---	---	894	679
9	13200	3820	28700	18300	23200	7490	9290	1800	---	---	682	481
10	13100	3560	33200	18500	25700	7180	14200	1520	---	---	481	392
11	17100	3840	32200	20500	25900	6440	1720	1120	---	---	467	385
12	15300	4280	30000	21000	15400	6080	1140	1100	---	---	479	363
13	15200	4300	32000	22500	14600	5030	---	---	---	---	365	350
14	14100	4380	30000	23500	14800	4460	---	---	545	514	405	223
15	13100	4260	31300	24000	13500	4520	---	---	591	535	223	197
16	12200	4620	31500	24700	15700	5140	---	---	621	585	239	211
17	11200	4460	31700	25000	13900	5480	---	---	652	608	264	239
18	8590	4490	31700	25400	16700	6120	---	---	704	630	280	258
19	11900	5000	31900	25700	21400	5520	---	---	742	675	276	264
20	14200	5960	33600	26000	21200	5040	---	---	782	704	287	266
21	15700	7290	36400	26400	24500	5050	---	---	823	735	299	281
22	15600	7810	38100	26900	23000	5470	---	---	826	753	313	298
23	18200	8980	37800	27200	18900	4000	---	---	829	773	320	310
24	20600	9200	38300	26800	16100	3070	---	---	835	786	333	316
25	23800	10200	38900	26700	9610	2270	---	---	833	784	356	328
26	19400	11500	38900	27600	6870	1870	---	---	822	782	380	354
27	20700	11300	38400	27900	4730	1720	---	---	840	774	389	377
28	24100	12000	35500	27700	5600	1710	---	---	857	804	416	386
29	19600	12900	34500	27300	11000	1620	---	---	1710	826	450	414
30	20900	13300	32800	28500	11600	2320	---	---	2380	831	461	439
31	---	---	33200	28300	---	---	---	---	4700	875	---	---
MONTH	24100	3560	38900	13900	35300	1620	18000	1100	4700	514	3780	197
YEAR	38900	197										

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	600	510	16600	6210	19000	10300	19700	11100	21600	12500	29100	20700
2	602	542	19000	6800	20100	10800	17600	11100	18800	12700	29400	20600
3	642	590	20000	7400	21700	11300	19700	11000	20500	12400	33000	19700
4	1820	632	19800	8200	18800	11700	19400	12300	21100	13900	31800	21500
5	735	661	21500	10600	19700	11900	24700	9180	21300	14000	27000	18900
6	759	690	22000	11900	23100	12400	25100	10800	22100	13300	26800	21300
7	782	733	22900	11600	24300	13900	24700	9400	24200	13600	27300	19500
8	828	770	23300	13100	25400	13600	27100	11300	24300	14000	27700	19400
9	857	813	25900	13200	27300	14500	27400	9910	23700	14200	29300	20500
10	920	857	25700	13700	28600	14700	19000	7910	24300	14000	32900	21400
11	997	897	22500	11900	29200	14800	23700	9280	22900	13600	29000	21300
12	1750	897	22500	11600	31900	15700	23700	10900	23200	13900	31200	21200
13	3340	901	23400	11600	29100	14900	19300	8170	23200	13700	32000	22000
14	7400	958	26700	12900	30000	14700	19300	8500	23300	14100	29900	21200
15	9040	1000	20700	10500	27700	15200	18600	8280	23700	14500	31100	21000
16	9920	1080	21100	10800	26200	15700	20300	9040	24800	13400	30300	20800
17	10400	1190	24200	13100	27700	17800	21600	8610	25300	13900	27400	19600
18	10500	1300	19200	11300	22800	14500	22300	9010	23100	14800	25900	18900
19	10600	1650	21300	13000	22600	15200	24200	9460	27400	15400	27500	19400
20	11400	2150	21700	10400	22200	15800	24600	11300	28100	16100	27600	20800
21	13700	2780	14700	10500	22200	12500	15700	8080	28000	17300	28200	22800
22	12700	2930	16900	10100	23300	12800	16800	7820	27800	18300	24900	20900
23	9230	2960	17700	9840	20300	12800	15600	8520	28500	18800	25700	18400
24	8960	3190	23300	10100	21000	12300	16800	6310	27300	19100	26600	19200
25	12900	3390	27400	11800	20800	11800	18400	8150	28200	20000	27000	20000
26	16800	5160	26600	11800	22900	12200	16300	7440	27800	20000	27400	19500
27	18400	5540	21800	10500	27200	13200	17500	7840	27200	19600	26200	18700
28	16500	5410	21900	10200	29700	16500	19100	9100	28000	20900	28400	18900
29	19800	5870	19700	9940	30200	14200	20800	10500	---	---	34400	19100
30	19800	6080	19000	10300	23700	12200	21900	12800	---	---	27600	16900
31	17800	5780	---	---	19500	11400	22100	13900	---	---	21300	11300
MONTH	19800	510	27400	6210	31900	10300	27400	6310	28500	12400	34400	11300

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11500	5670	23000	13300	34400	29000	17500	2380	---	---	4100	876
2	11200	4000	24900	15100	35500	29500	18400	2820	---	---	3220	879
3	13600	3930	25000	15700	34100	22600	18000	2290	---	---	2040	879
4	13500	4160	23600	15900	34200	17400	16600	1630	---	---	1420	891
5	12100	4050	24700	17300	33900	17000	17400	1630	---	---	1130	882
6	12500	3910	26300	17600	31800	12600	15700	1680	---	---	1000	887
7	11600	3660	27500	17900	30100	9340	14000	1630	---	---	967	851
8	11700	3840	26300	18400	27500	8260	15500	1750	---	---	889	675
9	13200	3810	29700	18300	26800	7440	9560	1760	---	---	678	481
10	13300	3560	33200	18400	26200	7140	14200	1450	---	---	481	392
11	17500	3840	32100	20400	26200	6430	1750	1130	---	---	465	385
12	16200	4260	33400	21000	20100	6070	1140	1100	---	---	476	361
13	15800	4300	33100	22400	20000	5060	---	---	---	---	363	347
14	14900	4370	31200	23500	18600	4420	---	---	542	511	405	222
15	13100	4260	31400	23900	20200	4510	---	---	588	533	222	197
16	12400	4620	31800	24700	20800	5160	---	---	618	583	238	211
17	11500	4450	31900	24900	17000	5470	---	---	649	604	262	238
18	8590	4470	31700	25300	21500	6150	---	---	705	642	279	258
19	12600	5000	32300	25600	21400	5470	---	---	743	677	275	263
20	14400	5970	33700	26000	21000	5010	---	---	778	701	285	265
21	15800	7280	36900	26800	24400	5010	---	---	818	730	298	279
22	16300	7790	38300	27100	24000	5480	---	---	822	749	311	296
23	19200	8980	37700	27100	20600	3950	---	---	824	768	319	308
24	21300	9190	38300	26600	17500	3010	---	---	830	781	333	315
25	23900	10200	38700	26600	12900	2270	---	---	828	779	354	327
26	19900	11500	38800	27500	8090	1860	---	---	818	777	379	353
27	20900	11200	38200	27700	5050	1700	---	---	834	779	388	375
28	25300	11500	35400	27500	9120	1700	---	---	849	799	414	384
29	19400	12700	34400	27200	13800	1610	---	---	2020	822	449	414
30	21100	12700	32700	28400	17700	2300	---	---	2950	835	459	438
31	---	---	33100	28200	---	---	---	---	5120	874	---	---
MONTH	25300	3560	38800	13300	35500	1610	18400	1100	5120	511	4100	197
YEAR	38800	197										

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.7 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.1	26.9	25.2	23.3	21.3	18.8	15.3	12.3	22.0	20.0	26.6	24.5
2	28.8	27.2	24.9	22.7	22.1	19.5	15.8	12.7	23.0	20.5	26.7	24.6
3	28.1	27.4	24.9	23.0	22.0	19.8	15.2	13.4	21.7	19.9	26.1	24.9
4	28.2	27.5	25.2	23.3	20.2	18.0	14.7	13.1	21.3	19.7	25.5	24.2
5	29.3	27.5	25.4	23.0	19.8	17.7	14.6	11.8	20.7	19.6	24.4	22.5
6	29.3	28.1	25.5	23.3	19.4	17.6	15.4	12.9	20.1	17.8	22.5	20.2
7	29.6	27.7	25.5	23.1	19.8	17.6	15.4	13.5	20.4	18.3	21.0	19.1
8	30.1	27.8	25.7	23.7	20.4	18.1	16.2	14.5	21.1	18.8	20.8	18.6
9	28.3	24.0	25.3	23.7	20.8	18.8	16.5	15.3	21.7	19.5	20.9	19.0
10	24.4	22.3	25.5	24.3	21.1	19.8	15.3	13.1	22.9	20.6	22.4	20.4
11	23.7	22.3	24.8	23.6	21.6	20.6	16.1	13.9	23.9	21.8	23.1	20.9
12	23.9	22.2	24.0	22.8	22.6	21.2	16.7	15.2	24.5	22.8	24.5	21.6
13	23.7	22.2	23.9	22.5	23.8	22.1	17.3	14.8	24.6	23.0	24.7	23.7
14	24.1	22.6	24.0	22.9	24.8	22.9	17.8	15.2	24.8	23.1	25.3	23.8
15	24.8	22.9	23.2	21.6	24.7	23.7	19.0	16.4	25.4	23.4	25.8	24.6
16	25.3	23.2	23.2	20.5	25.1	23.1	20.5	17.5	25.4	23.3	25.5	24.7
17	25.0	23.3	23.9	22.3	24.3	22.7	21.1	18.8	25.6	23.6	27.5	24.6
18	25.3	23.4	24.5	22.5	22.9	20.0	21.9	19.4	24.6	23.1	26.5	24.7
19	25.7	23.5	24.5	23.0	21.1	18.3	22.1	19.8	23.2	22.1	25.2	23.7
20	26.1	24.8	24.5	22.1	19.1	16.7	21.7	19.3	23.1	21.1	24.1	23.1
21	26.4	24.9	22.1	19.4	17.5	14.9	19.4	16.4	23.6	22.2	23.3	21.1
22	25.8	24.4	19.5	17.3	17.8	15.7	17.0	15.3	24.0	22.1	22.7	20.4
23	25.3	23.8	18.6	16.9	17.7	16.0	16.4	14.4	24.6	22.7	22.9	20.1
24	25.0	23.4	19.1	17.0	18.1	16.4	16.2	13.9	25.0	23.2	23.2	20.5
25	24.9	23.1	20.0	18.6	18.1	16.4	16.8	14.5	25.3	23.6	24.1	21.6
26	24.6	23.1	20.5	19.8	18.2	16.2	16.6	14.1	26.1	24.0	23.9	22.2
27	24.6	23.4	21.1	19.5	18.7	16.6	16.3	14.4	26.6	24.4	23.9	21.5
28	24.7	23.0	21.1	19.1	19.5	18.5	17.0	14.6	26.7	24.9	23.4	21.6
29	24.9	23.3	20.9	19.2	19.3	17.9	18.2	15.8	---	---	23.3	22.4
30	25.2	23.6	21.4	19.4	18.4	16.0	19.7	17.3	---	---	22.6	21.8
31	25.5	23.7	---	---	16.9	13.6	21.2	19.0	---	---	23.7	21.9
MONTH	30.1	22.2	25.7	16.9	25.1	13.6	22.1	11.8	26.7	17.8	27.5	18.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.3	22.4	24.1	22.2	30.6	28.9	30.7	28.2	---	---	31.9	29.2
2	24.8	22.2	25.3	22.7	30.9	28.9	31.2	28.4	---	---	31.2	29.2
3	26.1	22.5	24.8	23.4	31.4	28.9	31.9	29.0	---	---	31.7	29.3
4	26.5	23.3	25.3	23.0	31.0	28.8	31.3	28.6	---	---	31.1	29.4
5	26.6	24.0	25.7	23.3	30.6	28.7	31.7	28.5	---	---	30.5	28.9
6	26.6	24.6	26.0	23.5	29.8	28.3	31.8	28.7	---	---	31.6	28.8
7	26.9	24.6	25.7	23.4	29.7	28.2	32.0	29.0	---	---	30.7	29.1
8	27.8	25.5	25.3	23.7	30.1	28.3	31.4	29.5	---	---	30.3	28.9
9	28.1	26.2	25.2	23.1	31.7	28.4	29.9	28.7	---	---	28.9	27.6
10	28.3	26.2	25.4	23.6	31.3	28.8	30.0	28.3	---	---	28.2	27.2
11	28.1	26.1	25.3	23.7	31.6	29.3	28.6	27.8	---	---	28.6	27.5
12	28.7	26.4	27.6	23.6	32.5	29.4	28.1	27.7	---	---	27.9	27.0
13	29.0	27.0	27.3	24.3	32.4	29.6	---	---	---	---	27.0	26.1
14	29.6	27.1	29.1	25.0	32.2	29.4	---	---	31.0	29.2	26.1	24.8
15	29.6	27.1	28.3	25.5	32.9	29.5	---	---	31.4	29.5	25.7	24.5
16	28.9	27.0	28.8	25.6	32.1	29.2	---	---	33.6	30.1	26.1	24.8
17	28.5	26.1	29.3	25.9	32.9	29.0	---	---	33.3	30.1	26.9	25.1
18	26.5	24.2	29.3	26.4	32.1	28.9	---	---	31.9	30.4	27.7	26.0
19	25.0	23.3	29.9	26.4	30.1	28.5	---	---	31.7	30.2	28.5	26.9
20	25.1	22.4	29.7	26.4	30.9	28.4	---	---	31.7	29.7	28.6	27.6
21	25.2	22.7	29.5	27.1	30.4	28.2	---	---	31.2	29.6	29.5	27.8
22	25.7	23.1	30.1	28.0	28.9	27.9	---	---	31.8	29.2	29.4	28.3
23	26.5	23.6	30.1	28.5	27.9	26.9	---	---	32.3	29.6	29.5	28.1
24	27.1	24.4	30.1	27.9	29.2	26.5	---	---	31.6	30.1	29.6	28.4
25	27.0	25.0	29.6	28.5	29.7	27.4	---	---	31.6	30.0	29.6	28.4
26	27.4	25.2	29.6	28.5	30.4	27.8	---	---	31.6	30.2	29.2	28.3
27	25.5	24.0	29.3	28.3	29.6	28.0	---	---	31.4	29.8	28.3	27.0
28	24.8	23.6	29.0	28.0	30.0	27.9	---	---	31.6	29.8	27.1	26.3
29	24.1	22.8	30.4	27.6	30.1	28.1	---	---	32.2	30.0	26.6	25.4
30	23.5	22.2	32.2	28.3	30.4	28.1	---	---	32.5	30.1	26.0	24.5
31	---	---	31.5	28.9	---	---	---	---	30.6	29.6	---	---
MONTH	29.6	22.2	32.2	22.2	32.9	26.5	32.0	27.7	33.6	29.2	31.9	24.5
YEAR	33.6	11.8										

PEACE RIVER BASIN

02298208 SHELL CREEK TIDAL (2.8) NEAR PUNTA GORDA, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.9	26.8	25.1	23.2	21.2	18.7	15.2	12.2	21.7	19.9	26.6	24.8
2	28.7	27.1	25.1	22.9	22.0	19.4	15.7	12.6	22.9	20.4	26.5	25.0
3	28.0	27.3	24.8	22.9	21.9	19.7	15.1	13.3	21.5	19.8	25.7	24.8
4	28.1	27.4	25.1	23.2	20.2	17.9	14.6	13.1	21.3	19.6	25.5	24.3
5	29.1	27.4	25.2	23.7	19.7	18.0	14.5	11.7	20.6	19.5	24.3	22.5
6	29.1	28.0	25.3	23.6	19.1	17.5	15.4	12.9	20.0	17.7	22.7	20.1
7	29.5	27.6	25.2	23.4	19.7	17.9	15.4	13.4	20.3	18.2	20.9	19.5
8	29.5	27.7	25.5	23.7	20.1	18.1	16.1	14.3	21.0	18.8	20.7	18.7
9	28.2	23.9	25.2	23.6	20.7	18.7	16.4	15.2	21.7	19.4	20.8	18.9
10	24.3	22.1	25.3	24.2	20.9	19.8	15.2	13.0	22.8	20.5	22.3	20.3
11	23.6	22.2	24.8	23.5	21.4	20.6	16.0	13.7	23.8	21.7	23.0	20.8
12	23.8	22.1	23.9	22.7	22.5	21.1	16.6	15.2	24.4	22.7	24.4	21.6
13	23.6	22.1	23.9	22.4	23.7	22.0	17.2	14.7	24.5	22.9	24.6	23.6
14	23.9	22.5	23.9	23.0	24.7	22.8	17.7	15.0	24.6	23.0	25.1	23.8
15	24.7	22.8	23.2	21.5	24.6	23.5	18.9	16.4	24.9	23.3	25.7	24.6
16	25.2	23.1	23.0	20.3	24.9	23.2	20.2	17.5	25.2	23.2	25.2	24.6
17	24.9	23.2	23.8	22.1	24.6	22.6	20.4	18.7	25.4	23.4	27.4	24.5
18	25.2	23.3	24.4	22.4	22.8	20.1	21.2	19.3	24.6	22.9	26.4	24.5
19	25.6	23.8	24.4	23.1	20.9	18.3	21.6	19.7	23.1	21.9	25.0	23.6
20	26.1	24.8	24.4	22.0	18.8	16.6	21.7	19.2	23.0	21.4	24.0	23.0
21	26.1	24.8	22.0	19.3	17.4	14.8	19.3	16.3	23.5	22.2	23.2	21.0
22	25.7	24.4	19.4	17.2	17.7	15.6	16.9	15.2	23.9	22.0	22.5	20.3
23	25.1	23.6	18.5	16.7	17.6	15.9	16.3	14.3	24.5	22.7	22.8	20.0
24	24.9	23.3	19.1	16.9	18.0	16.3	16.1	13.8	24.8	23.2	23.1	20.4
25	24.7	23.1	20.0	18.5	18.0	16.3	16.7	14.4	25.2	23.5	24.0	21.5
26	24.5	23.1	20.4	19.8	18.1	16.3	16.5	14.0	26.0	24.0	23.8	22.2
27	24.5	23.3	21.0	19.4	18.6	16.5	16.2	14.3	26.5	24.4	23.8	21.4
28	24.7	23.1	21.0	19.1	19.4	18.4	16.9	14.6	26.6	24.7	23.3	21.5
29	24.7	23.2	20.8	19.1	19.2	17.6	18.1	15.7	---	---	23.2	22.4
30	25.2	23.5	21.3	19.3	18.3	15.9	19.5	17.2	---	---	22.5	21.8
31	25.4	23.7	---	---	16.8	13.5	21.0	18.9	---	---	23.2	21.8
MONTH	29.5	22.1	25.5	16.7	24.9	13.5	21.7	11.7	26.6	17.7	27.4	18.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25.0	22.3	24.0	22.1	30.5	28.8	30.5	28.1	---	---	31.2	29.1
2	24.7	22.1	25.1	22.6	30.8	28.8	31.1	28.3	---	---	31.1	29.1
3	25.7	22.3	24.7	23.3	31.3	28.8	31.7	28.9	---	---	31.3	29.2
4	26.1	23.2	25.2	22.9	30.9	28.7	31.0	28.6	---	---	30.7	29.3
5	26.2	23.9	25.7	23.3	30.2	28.7	30.9	28.4	---	---	30.4	28.8
6	26.5	24.5	25.8	23.5	29.7	28.2	31.6	28.6	---	---	31.1	28.7
7	26.6	24.5	25.6	23.3	29.7	28.1	31.8	29.0	---	---	30.6	29.0
8	27.7	25.4	25.2	23.7	30.0	28.2	31.3	29.4	---	---	30.2	28.8
9	28.1	26.1	25.0	23.1	30.7	28.6	29.8	28.6	---	---	28.8	27.5
10	28.2	26.1	25.3	23.5	31.0	28.7	29.9	28.2	---	---	28.1	27.1
11	28.0	26.0	25.2	23.6	31.2	29.2	28.5	27.7	---	---	28.5	27.4
12	28.4	26.7	26.2	23.7	31.1	29.3	28.0	27.6	---	---	27.9	26.9
13	28.8	26.9	26.7	24.2	31.5	29.5	---	---	---	---	26.9	26.0
14	29.2	27.0	26.8	24.9	32.0	29.3	---	---	30.3	29.0	26.0	24.7
15	29.4	27.0	27.9	25.4	32.1	29.4	---	---	30.8	29.4	25.6	24.4
16	28.8	26.9	28.1	25.5	31.2	29.2	---	---	31.1	30.0	26.0	24.7
17	28.3	25.9	29.0	25.8	32.0	29.1	---	---	32.7	30.0	26.8	25.0
18	26.4	24.1	29.1	26.3	31.7	28.9	---	---	31.8	30.3	27.6	25.9
19	24.9	23.1	29.4	26.3	30.0	28.4	---	---	31.2	30.1	28.3	26.8
20	25.0	22.3	29.5	26.3	30.8	28.3	---	---	31.6	29.6	28.4	27.5
21	25.1	22.7	29.3	27.1	30.3	28.1	---	---	31.1	29.5	29.4	27.7
22	25.5	23.0	30.0	27.9	28.8	27.8	---	---	31.2	29.1	29.3	28.2
23	26.2	23.5	29.9	28.5	27.8	26.8	---	---	32.0	29.5	29.4	28.0
24	26.9	24.3	30.0	27.8	28.6	26.5	---	---	31.4	30.0	29.5	28.3
25	26.8	25.0	29.5	28.4	29.3	27.3	---	---	31.5	29.9	29.5	28.3
26	27.1	25.3	29.5	28.4	30.2	27.7	---	---	31.5	30.2	29.1	28.2
27	25.4	23.8	29.2	28.2	29.5	27.9	---	---	31.3	29.7	28.2	26.9
28	24.7	23.5	28.9	27.9	29.8	27.8	---	---	31.5	29.7	26.9	26.2
29	24.0	22.7	30.3	27.5	29.8	28.0	---	---	32.0	29.9	26.5	25.3
30	23.4	22.1	31.6	28.2	30.0	28.0	---	---	32.3	30.0	25.8	24.4
31	---	---	31.3	28.8	---	---	---	---	30.5	29.5	---	---
MONTH	29.4	22.1	31.6	22.1	32.1	26.5	31.8	27.6	32.7	29.0	31.3	24.4
YEAR	32.7	11.7										

MYAKKA RIVER BASIN

02298494 FLATFORD SWAMP NEAR MYAKKA RIVER NEAR MYAKKA CITY, FL

LOCATION.--Lat 27°23'37", long 82°08'33", in NE ¼ sec.31, T.35 S., R.22 E., Manatee County, Hydrologic Unit 03100102, 200 ft west of dry land, 0.5 mi west of Myakka City-Wauchula Road, and 4.0 mi north of Myakka City.
DRAINAGE AREA.--Undetermined.
PERIOD OF RECORD.--March 1999 to current year (gage-heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 44.44 ft, Sept.15, 2001; minimum observed, 38.97 ft, June 9, 2000 (corrected).
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 44.44 ft, Sept. 15; minimum, 39.48 ft, May 27 - June 6.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.68	40.22	40.08	40.26	40.22	40.23	41.16	40.13	39.48	40.81	40.80	40.52
2	40.64	40.20	40.09	40.26	40.23	40.22	41.04	40.11	39.48	40.87	40.79	40.52
3	40.61	40.19	40.09	40.26	40.24	40.22	40.88	40.09	39.48	40.82	40.92	40.57
4	40.60	40.18	40.10	40.28	40.26	40.27	40.76	40.08	39.49	40.73	41.01	40.71
5	40.57	40.16	40.11	40.28	40.26	40.36	40.68	40.05	39.49	40.65	41.07	40.69
6	40.57	40.15	40.11	40.28	40.26	40.35	40.63	40.02	39.58	40.61	41.02	40.74
7	40.59	40.14	40.11	40.28	40.25	40.37	40.58	39.99	39.91	40.64	41.04	40.79
8	40.60	40.12	40.11	40.29	40.24	40.37	40.53	39.96	40.05	40.72	41.13	40.88
9	40.64	40.11	40.11	40.31	40.23	40.36	40.51	39.94	40.14	41.04	41.15	40.98
10	40.65	40.10	40.11	40.30	40.23	40.36	40.49	39.91	40.17	41.14	41.06	41.38
11	40.64	40.09	40.10	40.29	40.23	40.35	40.47	39.88	40.18	41.56	41.04	41.47
12	40.61	40.07	40.11	40.29	40.23	40.34	40.45	39.85	40.16	41.64	40.99	41.44
13	40.59	40.06	40.11	40.30	40.23	40.34	40.43	39.82	40.13	41.56	40.98	41.59
14	40.56	40.07	40.10	40.30	40.23	40.34	40.42	39.79	40.09	41.47	40.94	42.77
15	40.53	40.07	40.10	40.29	40.23	40.34	40.40	39.75	40.06	41.88	40.87	44.31
16	40.51	40.05	40.09	40.29	40.24	40.33	40.39	39.72	40.05	41.82	40.80	44.03
17	40.48	40.05	40.09	40.28	40.26	40.33	40.37	39.68	40.02	41.53	40.74	43.10
18	40.46	40.05	40.08	40.28	40.27	40.33	40.35	39.65	40.03	41.37	40.68	42.25
19	40.44	40.03	40.08	40.27	40.27	40.35	40.33	39.61	40.17	41.38	40.65	41.65
20	40.42	40.03	40.08	40.28	40.26	40.37	40.32	39.57	40.21	41.49	40.65	41.31
21	40.40	40.02	40.07	40.28	40.26	40.36	40.30	39.54	40.22	41.76	40.65	41.13
22	40.39	40.01	40.07	40.27	40.26	40.35	40.28	39.52	40.31	42.15	40.69	41.09
23	40.37	40.00	40.07	40.26	40.25	40.33	40.26	39.51	40.34	42.34	40.74	41.08
24	40.35	39.99	40.08	40.25	40.25	40.33	40.25	39.50	40.39	42.18	40.71	41.07
25	40.33	39.99	40.13	40.25	40.24	40.33	40.23	39.49	40.44	41.93	40.66	41.03
26	40.31	40.06	40.18	40.24	40.23	40.32	40.22	39.49	40.47	41.66	40.61	40.98
27	40.29	40.09	40.20	40.23	40.23	40.32	40.20	39.49	40.58	41.38	40.57	40.95
28	40.28	40.09	40.24	40.23	40.23	40.30	40.18	39.49	40.56	41.15	40.52	40.92
29	40.26	40.09	40.28	40.23	---	40.33	40.16	39.48	40.62	41.00	40.49	40.93
30	40.25	40.09	40.27	40.23	---	40.76	40.15	39.48	40.71	40.92	40.47	40.92
31	40.23	---	40.27	40.22	---	41.11	---	39.48	---	40.87	40.52	---
MEAN	40.48	40.09	40.12	40.27	40.24	40.37	40.45	39.74	40.10	41.32	40.81	41.39
MAX	40.68	40.22	40.28	40.31	40.27	41.11	41.16	40.13	40.71	42.34	41.15	44.31
MIN	40.23	39.99	40.07	40.22	40.22	40.22	40.15	39.48	39.48	40.61	40.47	40.52

MYAKKA RIVER BASIN

02298556 MYAKKA RIVER ABOVE MYAKKA CITY, FL

LOCATION.--Lat 27°21'18", long 82°09'01", in SW $\frac{1}{4}$ sec.7, T.36 S., R.22 E., Manatee County, Hydrologic Unit 03100102, on right bank, 1.0 mi northeast of Myakka City, and 1.2 mi east of Wauchula Road.
DRAINAGE AREA.--86.3 mi^2.
PERIOD OF RECORD.--October 2000 to September 2001 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark).
REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum peak stage from high water mark.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e134	12	4.7	9.1	9.8	6.0	580	4.7	.00	376	326	81
2	e120	11	4.4	8.8	9.5	5.9	556	4.1	.00	415	299	83
3	e85	9.8	4.0	8.8	9.2	5.7	464	3.4	.00	421	370	83
4	e79	9.0	3.8	8.9	9.0	8.7	335	3.2	.00	378	440	89
5	e73	8.3	3.7	8.8	9.0	19	236	2.7	.02	322	579	e98
6	e77	7.7	3.5	9.1	9.1	18	166	2.1	1.5	273	524	e130
7	e75	7.1	3.6	9.4	9.0	19	114	1.6	10	267	483	e200
8	e96	6.5	3.5	10	8.7	19	83	1.2	15	280	421	e240
9	e123	5.8	3.6	15	8.4	19	66	.93	27	336	395	e500
10	e100	5.5	3.6	13	8.1	21	55	.74	26	478	394	e510
11	e75	5.0	3.7	13	7.8	21	46	.66	20	730	406	e475
12	e63	4.4	4.0	13	7.8	20	39	.55	16	931	450	e490
13	e54	4.4	3.8	13	7.8	18	34	.43	13	923	453	e640
14	e47	4.5	3.8	12	7.7	19	29	.36	11	886	409	e2900
15	e42	5.1	3.8	12	7.7	20	26	.26	8.5	1070	349	e4000
16	e38	4.4	3.6	12	7.5	18	23	.17	10	1120	288	e3400
17	e34	4.2	3.8	12	7.2	16	21	.09	8.3	978	243	e2300
18	e32	4.2	3.2	12	6.8	14	18	.05	6.1	819	214	e1500
19	e29	4.0	2.9	11	6.2	14	15	.03	10	730	185	e860
20	29	4.0	2.9	13	6.2	19	13	.02	18	690	162	e645
21	28	3.4	2.5	13	7.0	18	11	.01	30	745	164	e450
22	27	2.8	2.4	12	7.6	15	9.5	.00	60	1110	158	e410
23	26	2.6	2.4	12	7.8	13	8.5	.01	87	1340	149	e390
24	24	2.6	2.3	11	7.9	11	7.6	.00	127	1330	141	e375
25	22	2.5	2.2	10	7.6	9.4	7.1	.00	133	1190	126	e340
26	21	3.8	2.3	9.7	7.3	8.7	6.9	.00	139	991	107	e330
27	19	5.8	2.6	9.2	6.8	8.0	6.2	.00	144	827	86	e310
28	17	5.6	4.7	9.3	6.3	7.1	5.5	.00	213	680	73	e280
29	16	5.2	8.8	9.4	---	8.6	5.0	.00	241	564	64	e260
30	14	5.1	9.2	9.8	---	138	4.8	.00	263	458	58	e240
31	13	---	9.5	10	---	423	---	.00	---	376	75	---
TOTAL	1632	166.3	122.8	339.3	220.8	980.1	2991.1	27.31	1637.42	22034	8591	22609
MEAN	52.6	5.54	3.96	10.9	7.89	31.6	99.7	.88	54.6	711	277	754
MAX	134	12	9.5	15	9.8	423	580	4.7	263	1340	579	4000
MIN	13	2.5	2.2	8.8	6.2	5.7	4.8	.00	.00	267	58	81
MED	38	5.1	3.6	11	7.8	18	24	.17	16	730	288	382
AC-FT	3240	330	244	673	438	1940	5930	54	3250	43700	17040	44840
CFSM	.61	.06	.05	.13	.09	.37	1.16	.01	.63	8.24	3.21	8.73
IN.	.70	.07	.05	.15	.10	.42	1.29	.01	.71	9.50	3.70	9.75

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	52.6	5.54	3.96	10.9	7.89	31.6	99.7	.88	54.6	711	277	754
MAX	52.6	5.54	3.96	10.9	7.89	31.6	99.7	.88	54.6	711	277	754
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	52.6	5.54	3.96	10.9	7.89	31.6	99.7	.88	54.6	711	277	754
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS **FOR 2001 WATER YEAR**

ANNUAL TOTAL	61351.13	
ANNUAL MEAN	168	
HIGHEST DAILY MEAN	4000	Sep 15
LOWEST DAILY MEAN	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 24
MAXIMUM PEAK FLOW	6530	Sep 15
MAXIMUM PEAK STAGE	42.69	Sep 15
ANNUAL RUNOFF (AC-FT)	121700	
ANNUAL RUNOFF (CFSM)	1.95	
ANNUAL RUNOFF (INCHES)	26.45	
10 PERCENT EXCEEDS	476	
50 PERCENT EXCEEDS	13	
90 PERCENT EXCEEDS	2.4	

02298556 MYAKKA RIVER ABOVE MYAKKA CITY, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	32.18	31.77	32.04	32.08	31.85	37.93	31.77	30.84	36.94	36.66	34.35
2	---	32.13	31.75	32.03	32.07	31.85	37.82	31.73	30.83	37.14	36.48	34.39
3	---	32.09	31.73	32.03	32.05	31.84	37.37	31.69	30.84	37.17	36.91	34.38
4	---	32.04	31.72	32.03	32.04	31.99	36.70	31.67	31.01	36.95	37.26	34.47
5	---	32.00	31.70	32.03	32.04	32.48	36.00	31.63	31.09	36.63	37.92	---
6	---	31.96	31.69	32.05	32.05	32.44	35.39	31.57	31.34	36.30	37.67	---
7	---	31.93	31.70	32.06	32.04	32.49	34.82	31.52	32.09	36.25	37.47	---
8	---	31.89	31.69	32.11	32.02	32.49	34.38	31.46	32.32	36.35	37.17	---
9	---	31.84	31.70	32.31	32.01	32.51	34.04	31.42	32.81	36.71	37.04	---
10	---	31.82	31.70	32.26	31.99	32.57	33.74	31.39	32.78	37.44	37.03	---
11	---	31.79	31.70	32.24	31.97	32.59	33.48	31.37	32.55	38.47	37.10	---
12	---	31.75	31.73	32.23	31.97	32.51	33.27	31.35	32.36	39.08	37.31	---
13	---	31.75	31.72	32.22	31.97	32.45	33.08	31.32	32.25	39.06	37.32	---
14	---	31.76	31.71	32.20	31.97	32.50	32.92	31.30	32.13	38.96	37.11	---
15	---	31.80	31.71	32.19	31.97	32.54	32.79	31.26	32.01	39.36	36.79	---
16	---	31.75	31.70	32.19	31.95	32.46	32.67	31.22	32.10	39.45	36.41	---
17	---	31.74	31.71	32.19	31.93	32.38	32.58	31.18	32.00	39.18	36.07	---
18	---	31.74	31.67	32.19	31.91	32.30	32.45	31.14	31.87	38.77	35.82	---
19	---	31.72	31.65	32.17	31.87	32.30	32.32	31.11	32.11	38.50	35.57	---
20	32.92	31.73	31.64	32.22	31.87	32.48	32.22	31.10	32.46	38.36	35.36	---
21	32.88	31.68	31.61	32.23	31.92	32.44	32.14	31.09	32.91	38.54	35.37	---
22	32.83	31.64	31.60	32.21	31.96	32.34	32.07	31.07	33.88	39.42	35.31	---
23	32.77	31.62	31.60	32.19	31.97	32.24	32.02	31.08	34.42	39.88	35.22	---
24	32.69	31.62	31.59	32.16	31.98	32.16	31.96	31.06	34.98	39.87	35.13	---
25	32.62	31.61	31.58	32.12	31.96	32.07	31.93	31.02	35.05	39.58	34.97	---
26	32.59	31.71	31.59	32.08	31.94	32.03	31.92	30.99	35.11	39.20	34.72	---
27	32.51	31.84	31.62	32.05	31.91	31.99	31.87	30.96	35.16	38.79	34.42	---
28	32.42	31.83	31.76	32.06	31.88	31.93	31.82	30.94	35.81	38.32	34.20	---
29	32.36	31.80	32.03	32.06	---	32.00	31.79	30.93	36.05	37.85	34.00	---
30	32.30	31.79	32.05	32.08	---	34.80	31.78	30.90	36.22	37.35	33.82	---
31	32.24	---	32.07	32.10	---	37.16	---	30.88	---	36.94	34.23	---
MEAN	32.59	31.82	31.72	32.14	31.97	32.52	33.51	31.26	32.91	38.16	36.06	34.40
MAX	32.92	32.18	32.07	32.31	32.08	37.16	37.93	31.77	36.22	39.88	37.92	34.47
MIN	32.24	31.61	31.58	32.03	31.87	31.84	31.78	30.88	30.83	36.25	33.82	34.35

MYAKKA RIVER BASIN

02298608 MYAKKA RIVER AT MYAKKA CITY, FL

LOCATION.--Lat 27°20'36", long 82°09'25", in SE $\frac{1}{4}$ 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 southeast of Myakka City, and 56 mi upstream from mouth.
DRAINAGE AREA.--125 mi^2.
PERIOD OF RECORD.--February 1963 to September 1966; October 1977 to current year.
GAGE.--Water-stage recorder. Datum of gage is 24.45 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to September 1966, at site 1,100 ft upstream at datum 0.64 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e180	15	7.3	14	15	10	703	4.0	.01	411	403	125
2	e151	15	7.1	14	15	10	670	3.5	.02	451	382	128
3	128	14	7.2	14	14	10	550	3.0	.12	455	501	122
4	119	13	7.0	13	14	13	416	2.6	.24	418	589	129
5	111	11	6.5	14	14	33	304	2.3	.27	366	883	142
6	100	11	6.1	14	13	29	225	2.0	2.1	313	721	163
7	100	11	6.0	15	13	27	165	1.7	23	324	632	260
8	123	11	5.8	15	12	26	123	1.4	40	337	534	307
9	158	9.4	5.8	21	12	25	94	1.1	41	374	478	717
10	137	8.3	5.7	21	11	27	72	.91	37	520	465	734
11	105	7.6	5.8	20	11	27	57	.68	29	1020	474	680
12	84	7.1	6.6	20	11	26	47	.51	22	1450	512	687
13	72	7.3	6.6	19	11	24	40	.38	19	1390	525	843
14	63	7.0	6.2	18	11	26	35	.28	16	1310	485	3390
15	56	7.5	6.1	18	12	29	31	.17	13	1680	425	6150
16	50	6.9	5.8	19	11	26	27	.09	14	1590	358	5390
17	45	6.7	6.2	19	11	23	24	.05	13	1330	310	3640
18	42	7.1	6.0	18	10	20	21	.04	11	1070	273	2350
19	39	6.8	5.5	18	9.4	19	17	.02	17	900	250	1540
20	36	6.7	5.5	19	9.2	25	15	.01	25	823	227	1020
21	35	5.9	5.2	22	9.9	25	13	.00	34	870	257	716
22	34	5.0	5.3	20	11	22	11	.01	72	1600	252	591
23	32	5.2	5.0	19	11	18	10	.10	121	2030	228	575
24	29	5.1	4.8	18	12	16	9.0	.06	189	1980	207	542
25	27	4.7	4.6	17	12	13	8.2	.03	188	1670	183	499
26	27	6.4	4.5	15	12	12	8.0	.03	181	1370	157	447
27	24	9.8	4.6	15	12	11	6.8	.02	185	1110	127	400
28	21	9.6	6.9	15	11	9.8	5.8	.01	244	864	107	378
29	20	8.6	14	15	---	11	5.0	.02	280	701	95	362
30	18	8.1	15	15	---	187	4.5	.02	302	553	82	343
31	17	---	15	16	---	516	---	.01	---	462	109	---
TOTAL	2183	257.8	209.7	530	330.5	1295.8	3717.3	25.05	2118.76	29742	11231	33370
MEAN	70.4	8.59	6.76	17.1	11.8	41.8	124	.81	70.6	959	362	1112
MAX	180	15	15	22	15	516	703	4.0	302	2030	883	6150
MIN	17	4.7	4.5	13	9.2	9.8	4.5	.00	.01	313	82	122
CFSM	.56	.07	.05	.14	.09	.33	.99	.01	.57	7.68	2.90	8.90
IN.	.65	.08	.06	.16	.10	.39	1.11	.01	.63	8.85	3.34	9.93

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	144	73.7	62.8	88.3	103	127	64.7	25.9	173	255	329	376
MAX	392	840	658	510	839	820	360	166	1013	959	897	1112
(WY)	1983	1998	1998	1998	1998	1998	1993	1991	1992	2001	1995	2001
MIN	1.06	3.40	3.31	4.65	9.28	8.47	2.43	.067	2.40	20.9	20.8	5.72
(WY)	1985	1965	1986	1985	1985	1985	1965	1985	1998	1981	1980	1984

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	31065.95		85010.91			
ANNUAL MEAN	84.9		233		152	
HIGHEST ANNUAL MEAN					404	1998
LOWEST ANNUAL MEAN					49.1	1980
HIGHEST DAILY MEAN	1850	Sep 19	6150	Sep 15	9250	Jun 27 1992
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 15	.02	May 27	.00	May 25 1964
MAXIMUM PEAK FLOW			6530	Sep 15	12800	Jun 26 1992
MAXIMUM PEAK STAGE			15.30	Sep 15	17.23	Jun 26 1992
ANNUAL RUNOFF (CFSM)	.68		1.86		1.22	
ANNUAL RUNOFF (INCHES)	9.25		25.30		16.53	
10 PERCENT EXCEEDS	187		647		394	
50 PERCENT EXCEEDS	18		19		43	
90 PERCENT EXCEEDS	.10		3.8		4.9	

MYAKKA RIVER BASIN

02298760 HOWARD CREEK NEAR SARASOTA, FL

LOCATION.--Lat 27°17'17", long 82°20'25", in SE ¼ sec.6, T.37 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, on right bank, 3.2 mi above mouth, 3.4 mi south of State Highway 780, and 12.2 mi east of Sarasota.
DRAINAGE AREA.--20.0 mi^2.
PERIOD OF RECORD.--October 1983 to September 1995; October 2000 to September 2001.
GAGE.--Water-stage recorder. Datum of gage has not been determined.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	.15	.26	.50	.26	.00	36	.01	.00	68	21	5.2
2	1.5	.12	.25	.46	.23	.00	23	.00	.00	97	21	4.7
3	1.2	.11	.23	.42	.21	.00	13	.00	.00	92	73	3.8
4	1.3	.10	.23	.45	.23	.15	7.8	.00	.00	76	93	3.6
5	1.1	.10	.23	.50	.22	.25	5.0	.00	.00	79	91	3.3
6	1.1	.10	.23	.50	.18	.29	3.6	.00	.02	53	65	4.6
7	1.4	.09	.20	.50	.17	1.0	3.2	.00	.54	33	42	13
8	1.3	.08	.18	.54	.16	.85	2.7	.00	.37	20	29	38
9	.96	.07	.16	.59	.15	.58	2.1	.00	.21	15	44	54
10	.67	.11	.14	.52	.12	.44	1.8	.00	.10	15	85	73
11	.55	.12	.24	.50	.09	.29	1.5	.00	.09	36	83	196
12	.50	.08	.28	.50	.10	.18	1.3	.00	.05	68	54	233
13	e.49	.06	.27	.47	.11	.10	1.1	.00	.00	112	41	235
14	e.48	.07	.23	.44	.09	.34	.95	.00	.00	221	47	739
15	e.47	.08	.25	.42	.09	.29	.86	.00	.34	228	27	1220
16	e.46	.06	.23	.42	.08	.23	.76	.00	.64	198	17	957
17	e.45	.06	.28	.39	.08	.19	.63	.00	.25	159	13	660
18	e.44	.11	.26	.37	.05	.12	.52	.00	.18	168	11	358
19	e.43	.11	.29	.36	.01	.22	.45	.00	.15	138	38	147
20	e.43	.29	.28	.42	.00	.31	.38	.00	.44	91	81	56
21	e.42	.21	.27	.39	.02	.29	.32	.00	1.7	68	46	36
22	e.41	.17	.28	.33	.02	.25	.28	.00	5.1	366	26	46
23	e.40	.15	.25	.28	.02	.20	.25	.00	42	630	16	211
24	.39	.15	.23	.28	.02	.14	.22	.00	43	738	11	143
25	.28	.16	.23	.25	.01	.07	.18	.00	25	571	8.7	114
26	.26	.31	.21	.25	.00	.03	.17	.00	15	385	6.7	88
27	.24	.39	.22	.23	.00	.01	.07	.00	8.4	224	5.5	60
28	.22	.42	.51	.28	.00	.01	.04	.00	6.0	107	4.5	52
29	.21	.36	.54	.33	---	.61	.02	.00	15	58	4.0	43
30	.16	.31	.56	.29	---	19	.02	.00	34	39	3.9	32
31	.16	---	.53	.29	---	42	---	.00	---	28	4.6	---
TOTAL	20.58	4.70	8.55	12.47	2.72	68.44	108.22	0.01	198.58	5181	1112.9	5829.2
MEAN	.66	.16	.28	.40	.097	2.21	3.61	.000	6.62	167	35.9	194
MAX	2.2	.42	.56	.59	.26	42	36	.01	43	738	93	1220
MIN	.16	.06	.14	.23	.00	.00	.02	.00	.00	15	3.9	3.3
AC-FT	41	9.3	17	25	5.4	136	215	.02	394	10280	2210	11560

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	10.4	3.36	6.16	6.04	3.63	13.7	10.4	7.38	23.0	38.9	47.1	63.6
MAX	41.8	13.2	53.6	16.3	8.99	68.2	53.2	60.4	196	167	137	202
(WY)	1995	1984	1984	1993	1992	1987	1993	1991	1992	2001	1988	1988
MIN	.66	.16	.28	.40	.097	1.15	.004	.000	.000	.24	8.59	6.10
(WY)	2001	2001	2001	2001	2001	1989	1989	1989	1990	1990	1989	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1984 - 2001**	
ANNUAL TOTAL			12547.37			
ANNUAL MEAN			34.4		19.9	
HIGHEST ANNUAL MEAN					34.4	1995
LOWEST ANNUAL MEAN					2.65	1990
HIGHEST DAILY MEAN	9.3	Sep 27	1220	Sep 15	2600	Jun 27 1992
LOWEST DAILY MEAN	.06	Nov 13	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.07	Nov 12	.00	May 2	.00	May 30 1985
MAXIMUM PEAK FLOW			1290	Sep 15	2700	Jun 27 1992
MAXIMUM PEAK STAGE			17.98	Sep 15	19.61	Jun 27 1992
ANNUAL RUNOFF (AC-FT)			24890		14450	
10 PERCENT EXCEEDS	1.2		77		46	
50 PERCENT EXCEEDS	.26		.37		2.7	
90 PERCENT EXCEEDS	.10		.00		.19	

MYAKKA RIVER BASIN

02298830 MYAKKA RIVER NEAR SARASOTA, FL

LOCATION.--Lat 27°14'25", long 82°18'50", in SW ¼ sec.21, T.37 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, on right bank, 0.5 mi upstream from bridge on State Highway 72, 1.9 mi upstream from Lower Myakka Lake, 14 mi southeast of Sarasota, and 36 mi upstream from mouth.
DRAINAGE AREA.--229 mi^2.
PERIOD OF RECORD.--August 1936 to current year.
REVISED RECORDS.--WSP 1234: Drainage area. WDR FL-73-3: Drainage area. WRD FL-90-3A: 1989.
GAGE.--Water-stage recorder. Datum of gage is 7.92 ft above National Geodetic Vertical Datum of 1929 (National Park Service bench mark). Prior to Apr. 10, 1941, nonrecording gage at site 0.5 mi downstream at same datum; Apr. 10, 1941, to June 28, 1961, nonrecording gage at present site at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Records include flow from Vanderipe Slough at extreme high stages.
REVISIONS.--The instantaneous peak gage height and date for the period of record reported for water years 1994-1998 are in error. The correct gage height is 11.73 ft and the correct date is June 29, 1992.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	535	62	12	6.7	11	8.3	30	45	12	193	1120	315
2	494	58	11	6.8	11	8.4	54	43	12	274	998	310
3	458	53	11	6.9	11	8.8	95	42	12	345	992	301
4	427	49	10	7.0	11	9.4	143	44	11	396	1030	290
5	395	46	10	7.3	11	9.3	188	43	11	435	1140	281
6	368	43	9.8	7.6	11	8.3	212	42	12	462	1210	273
7	349	37	9.6	7.7	11	7.6	216	40	13	469	1190	273
8	325	35	9.5	8.5	11	7.3	213	38	13	466	1110	305
9	302	34	9.5	8.5	11	7.5	205	36	13	462	999	351
10	278	33	9.5	8.3	11	7.9	197	34	12	466	909	397
11	258	31	9.5	8.5	12	7.9	188	33	11	517	863	503
12	240	30	9.4	8.8	11	8.3	177	31	11	602	827	626
13	223	28	9.2	8.7	11	8.8	168	29	9.7	754	778	814
14	207	27	9.0	e8.0	11	9.2	159	28	9.2	1110	731	1690
15	196	24	8.9	e7.9	12	9.7	150	27	9.3	1410	693	3360
16	186	21	8.6	e8.6	12	9.9	141	25	9.8	1530	654	4760
17	175	21	8.5	e9.4	12	9.7	132	24	9.0	1590	625	5030
18	163	24	8.2	e11	11	9.5	120	23	8.2	1580	598	4610
19	152	21	7.9	e13	10	10	108	21	7.6	1490	569	3890
20	141	19	7.4	e10	9.8	12	98	20	7.8	1360	554	3140
21	132	18	6.7	e11	9.8	12	89	19	9.8	1250	537	2480
22	122	16	6.4	e14	9.8	12	82	18	14	1430	516	1960
23	112	16	6.2	e13	9.5	12	77	21	34	1890	496	1620
24	104	15	6.1	e12	9.4	12	71	20	54	2300	481	1340
25	98	14	5.9	e11	9.4	12	67	19	61	2460	465	1170
26	92	15	5.8	e11	9.3	12	62	18	73	2400	444	1030
27	87	14	5.8	e11	9.1	12	58	17	85	2180	422	900
28	81	13	7.0	e11	8.6	12	54	16	96	1900	400	793
29	76	13	8.2	e11	---	13	51	15	114	1660	376	716
30	71	12	7.3	e11	---	26	48	14	140	1460	353	650
31	67	---	6.7	11	---	25	---	13	---	1290	332	---
TOTAL	6914	842	260.6	296.2	296.7	337.8	3653	858	894.4	36131	22412	44178
MEAN	223	28.1	8.41	9.55	10.6	10.9	122	27.7	29.8	1166	723	1473
MAX	535	62	12	14	12	26	216	45	140	2460	1210	5030
MIN	67	12	5.8	6.7	8.6	7.3	30	13	7.6	193	332	273
CFSM	.97	.12	.04	.04	.05	.05	.53	.12	.13	5.09	3.16	6.43
IN.	1.12	.14	.04	.05	.05	.05	.59	.14	.15	5.87	3.64	7.18

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	387	109	77.4	113	128	163	96.8	38.7	173	429	617	694
MAX	1325	1080	1074	811	1386	1351	601	258	1277	1625	2032	2467
(WY)	1949	1998	1998	1998	1998	1998	1993	1991	1982	1947	1949	1947
MIN	7.09	.66	.10	.15	.000	.000	.000	.000	.000	5.21	45.8	15.7
(WY)	1975	1975	1943	1943	1943	1939	1938	1938	1944	1955	1942	1938

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1937 - 2001**	
ANNUAL TOTAL	36666.42		117073.7			
ANNUAL MEAN	100		321		253	
HIGHEST ANNUAL MEAN					606	1998
LOWEST ANNUAL MEAN					73.1	1956
HIGHEST DAILY MEAN	1260	Sep 23	5030	Sep 17	8680	Jun 29 1992
LOWEST DAILY MEAN	.00	Many Days	5.8	Dec 26	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 17	6.1	Dec 21	.00	Mar 28 1938
MAXIMUM PEAK FLOW			5070	Sep 17	8680	Jun 29 1992
MAXIMUM PEAK STAGE			10.58	Sep 17	11.73	Jun 29 1992
ANNUAL RUNOFF (CFSM)	.44		1.40		1.10	
ANNUAL RUNOFF (INCHES)	5.96		19.02		15.00	
10 PERCENT EXCEEDS	302		1030		680	
50 PERCENT EXCEEDS	20		31		78	
90 PERCENT EXCEEDS	.00		8.5		.80	

MYAKKA RIVER BASIN

02298928 TRIBUTARY TO MYAKKA RIVER NEAR VENICE, FL

LOCATION.--Lat 27°27'07", long 82°20'37", in SE $\frac{1}{4}$ sec.31, T.38 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, on upstream side of culverts, 5.4 mi east of U.S. 41 at Venice, 7.1 mi northwest of North Port at Warm Mineral Springs corporate boundary at U.S. Highway 41, and 11.1 mi northwest of North Port Charlotte.
DRAINAGE AREA.--0.2 mi^2, approximately.
PERIOD OF RECORD.--October 1993 to current year. Prior to October 1995, published as Unnamed Tributary to Myakka River near North Port Charlotte.
GAGE.--Water-stage recorder. Datum of gage is 4.66 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	.00	.00	.00	.00	.00	.00	.00	.00	10	29	9.4
2	7.5	.00	.00	.00	.00	.00	.00	.00	.00	13	26	9.5
3	6.8	.00	.00	.00	.00	.00	.00	.00	.00	17	39	8.3
4	7.4	.00	.00	.00	.00	.00	.00	.00	.00	16	42	7.7
5	6.7	.00	.00	.00	.00	.00	.00	.00	.00	33	68	7.2
6	5.7	.00	.00	.00	.00	.00	.00	.00	.00	27	58	7.5
7	4.7	.00	.00	.00	.00	.00	.00	.00	.00	27	54	7.8
8	3.8	.00	.00	.00	.00	.00	.00	.00	.00	24	46	9.8
9	3.1	.00	.00	.00	.00	.00	.00	.00	.00	19	37	26
10	2.5	.00	.00	.00	.00	.00	.00	.00	.00	16	29	69
11	2.1	.00	.00	.00	.00	.00	.00	.00	.00	32	23	140
12	1.8	.00	.00	.00	.00	.00	.00	.00	.00	40	18	77
13	1.5	.00	.00	.00	.00	.00	.00	.00	.00	51	15	57
14	1.3	.00	.00	.00	.00	.00	.00	.00	.00	50	12	300
15	1.1	.00	.00	.00	.00	.00	.00	.00	.00	39	9.7	463
16	1.0	.00	.00	.00	.00	.00	.00	.00	.00	32	8.0	536
17	.84	.00	.00	.00	.00	.00	.00	.00	.00	29	7.1	691
18	.72	.00	.00	.00	.00	.00	.00	.00	.00	30	6.6	783
19	.59	.00	.00	.00	.00	.00	.00	.00	.00	29	9.6	776
20	.50	.00	.00	.00	.00	.00	.00	.00	.02	26	17	691
21	.41	.00	.00	.00	.00	.00	.00	.00	.02	24	16	558
22	.34	.00	.00	.00	.00	.00	.00	.00	.00	87	14	408
23	.27	.00	.00	.00	.00	.00	.00	.00	.60	163	12	278
24	.20	.00	.00	.00	.00	.00	.00	.00	1.8	219	13	166
25	.17	.00	.00	.00	.00	.00	.00	.00	1.2	249	44	81
26	.13	.00	.00	.00	.00	.00	.00	.00	1.0	267	45	45
27	.08	.00	.00	.00	.00	.00	.00	.00	5.3	270	34	39
28	.04	.00	.00	.00	.00	.00	.00	.00	3.1	234	25	40
29	.02	.00	.00	.00	---	.00	.00	.00	4.9	175	18	38
30	.01	.00	.00	.00	---	.00	.00	.00	4.3	88	14	30
31	.00	---	.00	.00	---	.00	---	.00	---	43	11	---
TOTAL	70.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.24	2379	800.0	6359.2
MEAN	2.27	.000	.000	.000	.000	.000	.000	.000	.74	76.7	25.8	212
MAX	8.9	.00	.00	.00	.00	.00	.00	.00	5.3	270	68	783
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	10	6.6	7.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	15.3	12.6	3.89	3.62	12.9	17.7	.51	.022	.90	17.6	20.9	53.0
MAX	37.9	77.4	29.2	22.3	100	140	3.89	.12	5.21	76.7	46.9	212
(WY)	1996	1998	1998	1998	1998	1998	1998	1996	1995	2001	1995	2001
MIN	2.27	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.69	6.58
(WY)	2001	2001	1997	1997	1997	1994	1994	1994	1994	1998	1998	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1994 - 2001**	
ANNUAL TOTAL	1665.14		9630.66			
ANNUAL MEAN	4.55		26.4		13.2	
HIGHEST ANNUAL MEAN					34.5	1998
LOWEST ANNUAL MEAN					4.35	1997
HIGHEST DAILY MEAN	116	Aug 13	783	Sep 18	783	Sep 18 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 31	.00	Dec 8 1993
MAXIMUM PEAK FLOW			794	Sep 18	794	Sep 18 2001
MAXIMUM PEAK STAGE			7.58	Sep 18	7.58	Sep 18 2001
10 PERCENT EXCEEDS	11		41		25	
50 PERCENT EXCEEDS	.00		.00		.40	
90 PERCENT EXCEEDS	.00		.00		.00	

MYAKKA RIVER BASIN

02299060 DEER PRAIRIE SLOUGH NEAR MYAKKA CITY, FL

LOCATION.--Lat 27°10'33", long 82°12'42", in NE ¼ sec.16, T.38 S., R.21 E., Sarasota County, Hydrologic Unit 03100102, near center of span on downstream side of wooden bridge, 1.3 mi south of State Highway 72, 7.2 mi upstream from mouth, and 12.4 mi south of Myakka City.
DRAINAGE AREA.--Undetermined.
PERIOD OF RECORD.--October 1983 to September 1992 (miscellaneous discharge measurements only); October 1993 to current year.
GAGE.--Water-stage recorder. Datum of gage is 0.93 ft above National Geodetic Vertical Datum of 1929 (Sarasota County Department of Natural Resources bench mark). Prior to November 1994, nonrecording gage at same site and datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	.28	.01	.00	.00	.00	.04	.00	.00	.00	30	11
2	26	.26	.00	.00	.00	.00	.02	.00	.00	.00	32	12
3	23	.24	.00	.00	.00	.00	.01	.00	.00	.00	41	11
4	22	.21	.00	.00	.00	.00	.01	.00	.00	.04	50	11
5	19	.17	.00	.00	.00	.00	.00	.00	.00	.12	62	12
6	18	.15	.00	.00	.00	.00	.00	.00	.00	.14	59	12
7	27	.14	.00	.00	.00	.00	.00	.00	.00	.19	58	12
8	35	.13	.00	.00	.00	.00	.00	.00	.00	.17	52	12
9	31	.12	.00	.00	.00	.00	.00	.00	.00	.16	47	13
10	26	.10	.00	.00	.00	.00	.00	.00	.00	.25	42	14
11	22	.09	.00	.00	.00	.00	.00	.00	.00	e.70	36	17
12	18	.09	.00	.00	.00	.00	.00	.00	.00	e1.7	32	27
13	14	.08	.00	.00	.00	.00	.00	.00	.00	2.6	29	48
14	12	.08	.00	.00	.00	.00	.00	.00	.00	6.2	28	159
15	9.3	.08	.00	.00	.00	.00	.00	.00	.00	17	25	203
16	7.2	.07	.00	.00	.00	.00	.00	.00	.00	25	25	205
17	5.6	.07	.00	.00	.00	.00	.00	.00	.00	28	23	191
18	4.4	.06	.00	.00	.00	.00	.00	.00	.00	28	23	148
19	3.4	.06	.00	.00	.00	.00	.00	.00	.00	28	21	112
20	2.6	.06	.00	.00	.00	.00	.00	.00	.00	28	20	86
21	2.1	.05	.00	.00	.00	.00	.00	.00	.00	33	18	64
22	1.6	.04	.00	.00	.00	.00	.00	.00	.00	49	17	50
23	1.2	.04	.00	.00	.00	.00	.00	.00	.00	61	15	42
24	1.0	.04	.00	.00	.00	.00	.00	.00	.00	67	15	31
25	.76	.04	.00	.00	.00	.00	.00	.00	.00	60	15	28
26	.65	.04	.00	.00	.00	.00	.00	.00	.00	56	14	24
27	.57	.04	.00	.00	.00	.00	.00	.00	.00	50	13	22
28	.48	.04	.00	.00	.00	.00	.00	.00	.00	48	13	20
29	.42	.04	.00	.00	---	.00	.00	.00	.00	41	12	18
30	.38	.02	.00	.00	---	.04	.00	.00	.00	37	12	16
31	.33	---	.00	.00	---	.04	---	.00	---	33	11	---
TOTAL	365.99	2.93	0.01	0.00	0.00	0.08	0.08	0.00	0.00	701.27	890	1631
MEAN	11.8	.098	.000	.000	.000	.003	.003	.000	.000	22.6	28.7	54.4
MAX	35	.28	.01	.00	.00	.04	.04	.00	.00	67	62	205
MIN	.33	.02	.00	.00	.00	.00	.00	.00	.00	.00	11	11
AC-FT	726	5.8	.02	.00	.00	.2	.2	.00	.00	1390	1770	3240

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	18.6	7.75	5.77	3.83	4.32	6.72	1.33	.052	.84	10.8	24.6	33.5
MAX	45.6	30.4	43.9	26.9	32.0	53.2	10.6	.40	6.29	36.6	46.5	65.7
(WY)	1996	1998	1998	1998	1998	1998	1998	1998	1995	1995	1995	1994
MIN	.010	.000	.000	.000	.000	.000	.000	.000	.000	.071	.71	.006
(WY)	1997	1997	1997	1997	1997	1997	1994	1994	1998	1996	1996	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1994 - 2001**	
ANNUAL TOTAL	2983.88		3591.36			
ANNUAL MEAN	8.15		9.84		9.87	
HIGHEST ANNUAL MEAN					19.5	1998
LOWEST ANNUAL MEAN					3.23	1997
HIGHEST DAILY MEAN	111	Sep 21	205	Sep 16	205	Sep 16 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 2	.00	Dec 2	.00	Feb 13 1994
MAXIMUM PEAK FLOW			209	Sep 15	209	Sep 15 2001
MAXIMUM PEAK STAGE			29.67	Sep 15	29.76	Mar 21 1998
ANNUAL RUNOFF (AC-FT)	5920		7120		7150	
10 PERCENT EXCEEDS	29		31		33	
50 PERCENT EXCEEDS	.08		.00		.23	
90 PERCENT EXCEEDS	.00		.00		.00	

MYAKKA RIVER BASIN

02299120 DEER PRAIRIE SLOUGH AT POWER LINE NEAR NORTH PORT, FL

LOCATION.--Lat 27°08'06", long 82°15'24", in NE ¼ sec.36, T.38 S., R.20 E., Sarasota County, Hydrologic Unit 03100102, near center of downstream side of wooden bridge, 2.5 mi north of Interstate 75, 5.4 mi north of North Port Warm Mineral Springs corporate boundary, and 7.3 mi upstream from mouth.
DRAINAGE AREA.--32 mi^2, approximately.
PERIOD OF RECORD.--October 1993 to current year. Prior to October 1995, published as Deer Prairie Slough near North Port Charlotte.
GAGE.--Water-stage recorder. Datum of gage is 1.73 ft above National Geodetic Vertical Datum of 1929 (Sarasota County Department of Natural Resources bench mark).
REMARKS.--Records poor. Peak obtained from observed record during discharge measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e140	6.6	.11	.08	e.00	e.00	e.00	e.00	.00	e.25	e220	e88
2	e130	6.1	.09	e.07	e.00	e.00	e.00	e.00	.00	e.50	e210	e90
3	e110	5.5	.07	.07	e.00	e.00	e.00	.00	.00	e1.0	e207	e94
4	e85	5.0	.06	.07	e.00	e.00	e.00	.00	.00	e1.7	e205	e96
5	e75	4.6	.05	e.06	e.00	e.00	e.00	.00	.00	e2.8	e208	e100
6	62	4.2	.04	.06	e.00	e.00	e.00	.00	.00	e4.4	e215	e107
7	56	3.8	.04	e.05	e.00	e.00	e.00	.00	.00	e7.1	e225	e112
8	51	3.5	.04	e.06	.00	e.00	e.01	.00	.00	e12	e240	e120
9	48	3.2	.04	e.06	.00	e.00	e.02	.00	.00	e20	e280	e128
10	46	2.9	.03	e.05	.00	e.00	e.03	.00	.00	e31	e260	e136
11	44	2.6	.03	e.05	.00	e.00	e.04	.00	.00	41	e230	e150
12	41	2.4	.03	e.05	.00	e.00	e.05	.00	.00	e50	e210	e160
13	38	2.1	.03	e.04	.00	e.00	e.05	.00	.00	e60	e190	e170
14	35	1.9	.03	e.04	.00	e.00	e.04	.00	.00	e68	e170	e190
15	32	1.7	.03	e.03	.00	e.00	e.03	.00	.00	e76	e158	e380
16	28	1.5	.03	e.03	.00	e.00	e.02	.00	.00	e84	e140	e580
17	26	1.3	.03	e.02	.00	e.00	e.01	.00	.00	e92	e130	688
18	23	1.1	.03	e.02	.00	e.00	e.00	.00	.00	e100	e123	e620
19	21	.97	.03	.02	.00	e.00	e.00	.00	.00	e110	e115	e490
20	19	.86	.03	e.02	.00	e.00	e.00	.00	.00	e130	e108	e420
21	17	.72	.02	e.02	e.00	e.00	e.00	.00	.00	e140	e100	e320
22	16	.57	.02	.02	e.00	e.00	e.00	.00	.00	e150	e96	e250
23	15	.47	.02	e.02	.00	e.00	e.00	.00	.00	e190	e92	e200
24	14	.39	.02	e.01	.00	e.00	e.00	.00	.00	e240	e88	e150
25	12	e.31	.01	.01	.00	e.00	e.00	.00	.00	e350	e86	e120
26	11	e.25	.01	.01	.00	e.00	e.00	.00	e.00	e400	e84	e92
27	10	e.19	.01	e.01	e.00	e.00	e.00	.00	e.00	e380	e82	e74
28	9.4	e.16	.07	.01	e.00	e.00	e.00	.00	e.02	e320	e82	e62
29	8.6	.13	.11	e.00	---	e.00	e.00	.00	e.04	e280	e83	e54
30	8.0	.12	.11	e.00	---	e.00	e.00	.00	e.10	e250	e84	e48
31	7.3	---	.09	e.00	---	e.00	---	.00	---	e240	e86	---
TOTAL	1238.3	65.14	1.36	1.06	0.00	0.00	0.30	0.00	0.16	3831.75	4807	6289
MEAN	39.9	2.17	.044	.034	.000	.000	.010	.000	.005	124	155	210
MAX	140	6.6	.11	.08	.00	.00	.05	.00	.10	400	280	688
MIN	7.3	.12	.01	.00	.00	.00	.00	.00	.00	.25	82	48

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	76.2	24.7	24.8	18.0	17.3	20.5	4.25	.67	8.47	53.6	111	125
MAX	212	82.0	178	117	126	158	26.9	4.06	59.2	190	255	224
(WY)	1996	1998	1998	1998	1998	1998	1998	1997	1995	1995	1995	1994
MIN	4.95	1.04	.044	.034	.000	.000	.010	.000	.005	1.27	19.4	3.43
(WY)	1994	1997	2001	2001	2001	2001	2001	1999	2001	1996	1996	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1994 - 2001**	
ANNUAL TOTAL	11098.44		16234.07			
ANNUAL MEAN	30.3		44.5		40.5	
HIGHEST ANNUAL MEAN					73.9	1995
LOWEST ANNUAL MEAN					16.5	1997
HIGHEST DAILY MEAN	236	Aug 6	688	Sep 17	688	Sep 17 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 24	.00	Jan 29	.00	Mar 18 1994
MAXIMUM PEAK FLOW			688	Sep 17	688	Sep 17 2001
MAXIMUM PEAK STAGE			27.22	Sep 17		
10 PERCENT EXCEEDS	135		153		148	
50 PERCENT EXCEEDS	1.2		.04		3.0	
90 PERCENT EXCEEDS	.00		.00		.00	

MYAKKA RIVER BASIN

02299360 SNOVER WATERWAY CANAL NEAR MURDOCK, FL

LOCATION.--Lat 27°04'34", long 82°09'20", in NE¼ sec.24, T.39 S., R.21 E., Sarasota County, Hydrologic Unit 03100102, on left bank, on Toledo Bridge Road, 1.5 mi south of interstate I-75, and 4.6 mi north of Murdock.
DRAINAGE AREA.--24 mi^2, approximately.
PERIOD OF RECORD.--July 1998 to current year (gage heights only). Prior to Oct. 1, 2000, published under latitude/longitude 270434082092000.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.73 ft, Sept. 14, 2001; minimum, 15.84 ft, June 1-5, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.73 ft, Sept. 14; minimum, 15.84 ft, June 1-5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.45	16.44	16.26	16.22	16.10	16.77	17.22	17.19	15.85	18.04	18.01	16.61
2	17.34	16.43	16.25	16.19	16.12	16.77	17.24	17.19	15.84	18.04	17.98	16.81
3	17.27	16.41	16.24	16.18	16.15	16.77	17.27	17.17	15.84	18.12	18.28	16.77
4	17.33	16.40	16.23	16.17	16.15	16.80	17.29	17.15	15.84	18.17	18.31	16.83
5	17.36	16.40	16.23	16.16	16.13	16.83	17.32	17.13	16.02	18.17	18.34	17.07
6	17.30	16.39	16.25	16.16	16.10	16.81	17.35	17.10	16.52	18.19	18.23	17.04
7	17.26	16.38	16.33	16.15	16.07	16.77	17.38	17.05	16.54	18.22	18.26	17.02
8	17.16	16.38	16.39	16.15	16.07	16.74	17.41	16.96	16.57	18.23	18.17	17.37
9	17.08	16.37	16.39	16.16	16.07	16.71	17.43	17.11	16.60	18.29	18.19	17.43
10	17.01	16.37	16.35	16.15	16.08	16.70	17.45	17.19	16.61	18.28	18.19	17.48
11	16.96	16.36	16.33	16.15	16.11	16.68	17.46	17.18	16.61	18.47	18.06	17.24
12	16.92	16.34	16.40	16.16	16.14	16.67	17.47	17.17	16.61	18.41	18.10	17.27
13	16.88	16.33	16.37	16.17	16.20	16.65	17.47	17.09	16.62	18.29	18.01	17.44
14	16.84	16.32	16.32	16.18	16.57	16.65	17.48	17.01	16.62	18.32	17.80	19.61
15	16.80	16.32	16.34	16.18	16.75	16.64	17.48	16.85	16.61	18.40	17.56	19.15
16	16.75	16.31	16.32	16.18	16.88	16.63	17.47	16.44	16.61	18.28	17.39	18.96
17	16.71	16.31	16.28	16.18	16.88	16.63	17.46	16.14	16.64	18.17	17.25	18.79
18	16.69	16.31	16.24	16.19	16.85	16.61	17.45	15.97	16.71	18.03	17.12	18.62
19	16.66	16.30	16.22	16.19	16.84	16.63	17.43	16.03	16.73	17.94	17.00	18.48
20	16.63	16.32	16.22	16.19	16.83	16.66	17.42	16.05	16.74	17.99	17.05	18.38
21	16.61	16.30	16.20	16.18	16.87	16.64	17.41	16.06	16.76	18.25	17.12	18.25
22	16.59	16.28	16.20	16.16	16.91	16.62	17.40	16.11	16.78	19.06	17.16	18.12
23	16.56	16.27	16.20	16.14	16.94	16.58	17.38	16.24	16.90	19.68	17.02	18.01
24	16.54	16.28	16.20	16.13	16.96	16.53	17.31	16.29	17.01	19.37	16.90	17.85
25	16.53	16.28	16.19	16.12	16.93	16.49	17.26	16.30	17.05	19.05	16.82	17.75
26	16.51	16.32	16.19	16.11	16.87	16.46	17.25	16.30	17.12	18.84	16.75	17.68
27	16.49	16.33	16.21	16.10	16.82	16.43	17.23	16.28	17.17	18.62	16.70	17.59
28	16.48	16.30	16.25	16.10	16.80	16.36	17.21	16.27	17.23	18.46	16.63	17.53
29	16.47	16.28	16.28	16.10	---	16.41	17.20	16.17	17.58	18.33	16.58	17.55
30	16.46	16.27	16.27	16.10	---	17.05	17.19	15.91	17.83	18.21	16.57	17.44
31	16.45	---	16.24	16.10	---	17.15	---	15.86	---	18.11	16.60	---
MEAN	16.84	16.34	16.27	16.15	16.51	16.67	17.36	16.61	16.67	18.39	17.49	17.74
MAX	17.45	16.44	16.40	16.22	16.96	17.15	17.48	17.19	17.83	19.68	18.34	19.61
MIN	16.45	16.27	16.19	16.10	16.07	16.36	17.19	15.86	15.84	17.94	16.57	16.61

MYAKKA RIVER BASIN

02299410 BIG SLOUGH CANAL NEAR MYAKKA CITY, FL

LOCATION.--Lat 27°11'35", long 82°08'40", in SW ¼ sec.6, T.38 S., R.22 E., Sarasota County, Hydrologic Unit 03100102, near center of span on upstream side of bridge on State Highway 72, 0.6 mi upstream from Mud Lake Slough, and 11 mi south of Myakka City.
DRAINAGE AREA.--36.5 mi^2.
PERIOD OF RECORD.--September 1962 to September 1966 (annual maximum); October 1980 to current year.
GAGE.--Water-stage recorder. Datum of gage is 2.28 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to September 1966, nonrecording gage at same site at datum 24.34 ft higher.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Prior to September 1966, flow included from Mud Lake Slough.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	.90	.75	2.7	1.5	.00	47	.00	.16	48	71	18
2	24	.88	.68	3.1	1.6	.00	38	.00	.41	45	72	25
3	20	.83	.59	3.5	1.2	.00	26	.00	.28	36	155	11
4	19	.82	.53	3.6	.86	.12	16	.00	.59	31	216	7.9
5	16	.76	.51	3.4	.74	.95	11	.00	1.4	65	275	9.1
6	21	.71	1.2	3.8	.61	.65	8.7	.00	10	59	248	14
7	20	.65	1.7	4.6	.43	.37	7.1	.00	20	45	239	e8.9
8	11	.59	2.0	3.9	.31	.32	5.9	.00	20	32	208	8.7
9	9.1	.56	2.7	3.5	.23	.40	4.9	.00	18	24	179	18
10	7.5	.65	3.0	2.9	.22	.55	4.0	.00	21	30	141	37
11	6.2	.64	3.4	2.2	.27	.63	3.0	.00	16	114	149	65
12	5.4	.57	4.8	2.7	.14	.39	2.8	.00	9.5	132	212	134
13	4.9	.57	4.9	3.2	.09	.23	2.4	.00	6.6	154	184	240
14	4.6	.67	4.5	3.1	.06	.18	2.0	.00	4.9	266	143	803
15	4.2	.62	4.2	2.6	.29	.15	1.6	.00	3.4	413	88	1020
16	3.6	.49	3.9	1.9	.81	.09	1.2	.00	2.5	457	54	1280
17	3.1	.46	3.9	1.6	.52	.05	.93	.00	2.0	463	39	1020
18	2.7	.48	3.6	2.4	.29	.02	.71	.00	1.5	410	30	741
19	2.4	.45	3.2	2.5	.10	.04	.73	.00	1.1	327	24	571
20	2.1	.53	2.4	2.3	.05	.14	.56	.00	1.0	239	25	449
21	1.9	.41	2.2	2.2	.02	.09	.41	.00	1.1	240	25	339
22	1.7	.39	2.2	2.2	.01	.04	.29	e.00	1.2	434	43	240
23	1.5	.44	1.7	1.6	.00	.01	.21	e.00	3.1	503	47	174
24	1.4	.42	2.5	1.7	.00	.01	.16	e.00	8.3	538	40	120
25	1.3	.42	2.8	1.5	.00	.00	.12	e.00	13	550	29	93
26	1.3	.88	1.9	1.3	.00	.00	.09	e.00	13	498	21	82
27	1.2	1.1	1.4	1.1	.00	.00	.03	e.00	16	419	16	72
28	1.1	1.0	1.8	1.5	.00	.00	.00	2.3	24	339	12	67
29	1.0	1.1	2.7	1.2	---	.88	.00	.53	46	251	9.7	68
30	1.0	.93	4.2	1.2	---	12	.00	.15	52	175	8.4	60
31	.99	---	3.3	1.2	---	34	---	.12	---	114	7.4	---
TOTAL	232.19	19.92	79.16	76.2	10.35	52.31	185.84	3.10	318.04	7451	3010.5	7795.6
MEAN	7.49	.66	2.55	2.46	.37	1.69	6.19	.10	10.6	240	97.1	260
MAX	31	1.1	4.9	4.6	1.6	34	47	2.3	52	550	275	1280
MIN	.99	.39	.51	1.1	.00	.00	.00	.00	.16	24	7.4	7.9
AC-FT	461	40	157	151	21	104	369	6.1	631	14780	5970	15460

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

MEAN	35.9	14.5	16.6	17.0	19.4	34.9	14.5	4.81	59.1	55.8	71.8	93.6
MAX	204	119	195	125	143	236	90.4	27.3	605	240	230	260
(WY)	1996	1998	1998	1998	1998	1998	1993	1991	1992	2001	1992	2001
MIN	.80	.35	.22	.034	.37	.49	.26	.011	.049	.85	6.24	2.23
(WY)	1985	1981	1992	1981	2001	1981	1981	2000	1998	1993	1993	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1981 - 2001**	
ANNUAL TOTAL	11194.10		19234.21			
ANNUAL MEAN	30.6		52.7		36.5	
HIGHEST ANNUAL MEAN					87.6	1992
LOWEST ANNUAL MEAN					5.26	1985
HIGHEST DAILY MEAN	645	Sep 20	1280	Sep 16	7300	Jun 27 1992
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 5	.00	Feb 23	.00	Dec 26 1980
MAXIMUM PEAK FLOW			1380	Sep 16	8600	Jun 27 1992
MAXIMUM PEAK STAGE			31.27	Sep 16	33.73	Sep 21 1962
ANNUAL RUNOFF (AC-FT)	22200		38150		26470	
10 PERCENT EXCEEDS	69		163		86	
50 PERCENT EXCEEDS	4.9		2.2		6.4	
90 PERCENT EXCEEDS	.00		.00		.37	

MYAKKA RIVER BASIN

02299455 BIG SLOUGH CANAL NEAR NORTH PORT CHARLOTTE, FL

LOCATION.--Lat 27°06'30", long 82°12'20", in SW $\frac{1}{4}$ sec.4, T.39 S., R.21 E., Sarasota County, Hydrologic Unit 03100102, 150 ft upstream from Interstate 75, 3.5 mi north of North Port Charlotte, and 6.0 mi upstream from mouth.
DRAINAGE AREA.--86.2 mi^2.
PERIOD OF RECORD.-February 1962 to May 1967 (miscellaneous discharge measurements only); April 1989 to September 1991; October 1991 to September 1992 (gage heights only); October 1993 to July 2001 (gage heights only), incomplete (discontinued).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 961 ft^3/s, July 4, 1991; maximum gage height, 26.22 ft, June 27, 1992; no flow many days in 1990 water year.
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 18.53 ft, Oct. 7; minimum, 14.49 ft, June 4, 5.

GAGE HEIGHT, FEET, PERIOD OCTOBER 2000 TO JULY 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.66	15.70	15.55	16.09	15.89	15.12	17.39	14.80	14.53	18.45	---	---
2	17.50	15.68	15.53	16.09	15.92	15.11	17.48	14.79	14.54	18.40	---	---
3	17.39	15.66	15.53	16.09	15.94	15.10	17.36	14.79	14.52	18.44	---	---
4	17.38	15.65	15.51	16.09	15.90	15.14	17.09	14.78	14.50	---	---	---
5	17.25	15.64	15.50	16.05	15.87	15.28	16.77	14.78	14.88	---	---	---
6	17.23	15.62	15.49	16.03	15.80	15.48	16.58	14.77	15.34	---	---	---
7	18.37	15.61	15.54	16.06	15.75	15.61	16.40	14.75	16.05	---	---	---
8	18.04	15.59	15.64	16.07	15.69	15.61	16.33	14.74	16.23	---	---	---
9	17.72	15.58	15.75	16.02	15.64	15.70	16.30	14.73	16.30	---	---	---
10	17.40	15.59	15.87	15.98	15.62	15.74	16.22	14.72	16.34	---	---	---
11	17.10	15.58	15.92	15.92	15.61	15.73	16.11	14.70	16.33	---	---	---
12	16.94	15.55	16.00	15.92	15.58	15.68	16.01	14.69	16.13	---	---	---
13	16.84	15.53	16.10	15.98	15.50	15.70	15.94	14.68	15.93	---	---	---
14	16.68	15.53	16.08	15.99	15.49	15.71	15.87	14.67	15.80	---	---	---
15	16.55	15.54	16.08	15.99	15.49	15.69	15.81	14.66	15.69	---	---	---
16	16.43	15.52	16.04	15.97	15.50	15.64	15.75	14.64	15.56	---	---	---
17	16.33	15.50	16.02	15.94	15.55	15.58	15.68	14.63	15.48	---	---	---
18	16.25	15.49	16.00	15.94	15.52	15.52	15.61	14.62	15.46	---	---	---
19	16.18	15.49	15.98	15.98	15.45	15.52	15.56	14.61	15.37	---	---	---
20	16.10	15.54	15.96	16.04	15.40	15.61	15.53	14.60	15.68	---	---	---
21	16.05	15.49	15.91	16.04	15.38	15.60	15.49	14.59	16.10	---	---	---
22	16.00	15.46	15.91	16.03	15.35	15.56	15.44	14.58	16.10	---	---	---
23	15.95	15.44	15.87	15.98	15.32	15.50	15.30	14.58	---	---	---	---
24	15.91	15.44	15.83	15.93	15.27	15.44	14.96	14.58	---	---	---	---
25	15.88	15.44	15.90	15.89	15.20	15.38	14.89	14.56	---	---	---	---
26	15.85	15.52	15.86	15.88	15.17	15.33	14.86	14.55	---	---	---	---
27	15.83	15.53	15.79	15.83	15.15	15.29	14.81	14.53	---	---	---	---
28	15.80	15.56	15.86	15.83	15.13	15.24	14.79	14.55	17.44	---	---	---
29	15.76	15.56	15.99	15.84	---	15.37	14.77	14.60	17.84	---	---	---
30	15.74	15.58	16.00	15.83	---	16.53	14.78	14.58	18.25	---	---	---
31	15.72	---	16.06	15.87	---	16.86	---	14.55	---	---	---	---
MEAN	16.64	15.55	15.84	15.97	15.54	15.56	15.86	14.66	15.86	18.43	---	---
MAX	18.37	15.70	16.10	16.09	15.94	16.86	17.48	14.80	18.25	18.45	---	---
MIN	15.72	15.44	15.49	15.83	15.13	15.10	14.77	14.53	14.50	18.40	---	---

MYAKKA RIVER BASIN

02299484 BIG SLOUGH AT WCS-101 AT NORTH PORT, FL

LOCATION.--Lat 27°02'48", long 82°14'17", in NE ¼ sec.31, T.39 S., R.21 E., Sarasota County, Hydrologic Unit 03100102, on left bank, 200 ft upstream from control structure 101 in North Port, 800 ft upstream from mouth of Cocoplum Waterway, 0.2 mi north of U. S. Highway 41, and 2.8 mi upstream from mouth.
DRAINAGE AREA.--90 mi^2, approximately.
PERIOD OF RECORD.--June 1993 to current year (gage heights only), incomplete.
GAGE.--Water-stage recorder. Datum of gage is 15.60 ft below National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.74 ft, June 23, 1995; minimum, 18.34 ft, Apr. 17, 1998.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.34 ft, Sept. 14; minimum, 19.24 ft, Apr. 23, May 20.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.69	19.80	19.74	19.86	19.73	19.67	---	---	19.56	20.30	20.72	20.23
2	20.11	19.80	19.72	19.88	19.79	19.69	---	---	19.56	20.32	20.47	20.35
3	19.80	19.82	19.70	19.88	19.74	19.69	20.27	19.82	19.50	20.37	20.68	20.07
4	19.77	19.80	19.74	19.88	19.71	19.72	20.20	19.73	19.47	20.32	20.77	20.28
5	19.85	19.79	---	19.86	19.70	19.62	20.11	19.70	19.60	20.36	20.89	20.41
6	20.10	19.77	---	19.84	19.70	19.50	20.07	19.64	19.91	20.39	20.76	20.26
7	20.53	19.79	---	19.86	19.71	19.61	20.01	19.64	19.87	20.35	20.84	20.14
8	20.50	19.82	---	19.88	19.70	19.63	19.97	19.79	19.98	20.27	20.73	20.08
9	20.41	19.84	---	19.89	19.70	19.64	19.96	19.78	20.03	---	20.78	19.62
10	20.32	19.84	---	19.88	19.74	19.70	19.93	19.78	20.02	---	20.89	19.82
11	20.24	19.82	---	19.86	19.64	19.70	19.89	19.79	20.03	---	20.67	19.97
12	20.19	19.79	---	19.82	19.72	19.70	19.84	19.78	19.98	---	20.47	20.06
13	20.16	19.75	---	19.81	19.72	19.67	19.79	19.71	19.92	---	20.32	20.15
14	20.12	19.73	---	19.83	19.67	19.64	19.76	19.61	19.86	---	20.27	22.06
15	20.09	19.73	---	19.83	19.73	19.64	19.76	19.69	19.79	---	20.19	---
16	20.07	19.72	---	19.82	19.65	19.66	19.76	19.69	19.79	---	20.03	---
17	20.05	19.73	---	19.77	19.63	19.63	19.73	19.64	19.76	---	19.87	---
18	20.02	19.71	---	19.75	19.61	19.61	19.70	19.59	19.75	---	19.76	---
19	19.99	19.70	---	19.77	19.63	19.59	19.60	19.42	19.74	20.50	19.83	---
20	19.97	19.81	19.88	19.79	19.70	19.53	19.54	19.29	19.76	20.55	19.70	---
21	19.96	19.78	19.85	19.82	19.65	19.53	19.47	19.53	19.75	20.61	19.66	---
22	19.94	19.71	19.83	19.81	19.63	19.66	19.38	19.61	19.73	21.25	20.19	---
23	19.91	19.70	19.81	19.79	19.72	19.69	19.33	19.61	19.82	21.43	20.21	---
24	19.90	19.68	19.78	19.77	19.72	19.65	19.73	19.60	19.88	21.49	19.90	---
25	19.89	19.68	19.81	19.76	19.72	19.67	19.68	19.58	19.91	21.27	19.63	20.12
26	19.88	19.77	19.81	19.74	19.65	19.64	19.55	19.61	19.99	21.18	19.45	20.01
27	19.86	19.79	19.77	19.73	19.63	19.55	19.66	19.73	20.09	21.10	19.90	19.99
28	19.85	19.76	19.80	19.72	19.65	19.46	19.69	19.62	20.08	20.88	20.26	19.98
29	19.83	19.75	19.89	19.71	---	19.62	19.77	19.63	20.19	20.80	20.24	19.92
30	19.82	19.76	19.84	19.72	---	---	---	19.61	20.23	20.75	20.22	19.96
31	19.81	---	19.86	19.72	---	20.11	---	19.60	---	20.85	20.22	---
MEAN	20.02	19.76	19.80	19.81	19.69	19.65	19.78	19.65	19.85	20.73	20.27	20.17
MAX	20.53	19.84	19.89	19.89	19.79	20.11	20.27	19.82	20.23	21.49	20.89	22.06
MIN	19.69	19.68	19.70	19.71	19.61	19.46	19.33	19.29	19.47	20.27	19.45	19.62

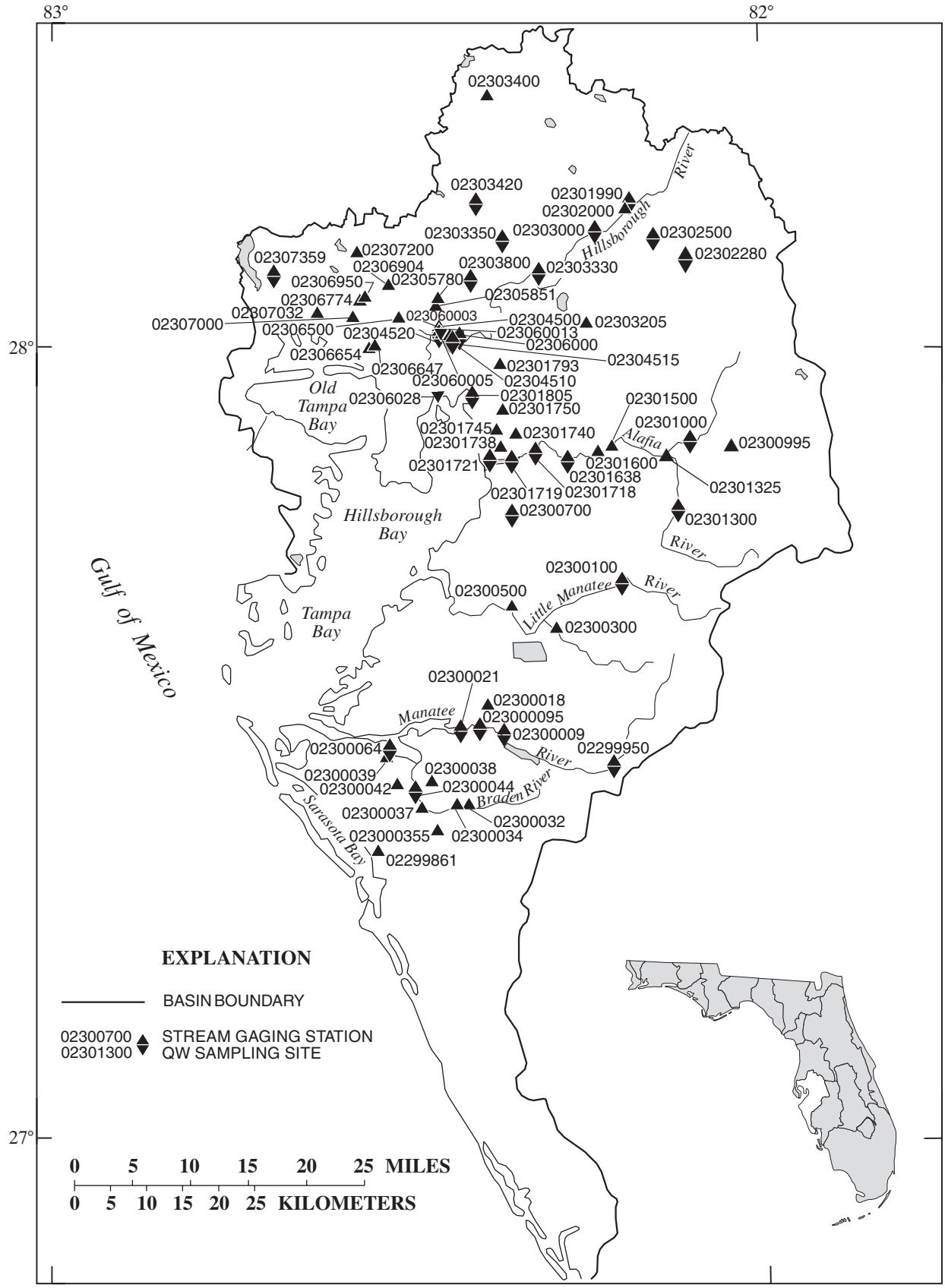

Figure 15.--Location of stream gaging stations in the Coastal area between Myakka and Manatee Rivers, Manatee, Little Manatee, Alafia, Hillsborough River Basins, Tampa Bay and Coastal area.

COASTAL AREA BETWEEN MYAKKA AND MANATEE RIVERS

02299861 WALKER CREEK NEAR SARASOTA, FL

LOCATION.--Lat 27°22'03", long 82°32'40", in NW ¼ sec.6, T.36 S., R.18 E., Sarasota County, Hydrologic Unit 03100201, on downstream side of 38th Street bridge, 0.6 mi upstream from Whitaker Bayou, and 2.2 mi north of Sarasota.
DRAINAGE AREA.--4.91 mi^2.
PERIOD OF RECORD.--February 1962 to May 1967, April 1980 to October 1981 (discharge measurements only); August 1991 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (city of Sarasota bench mark).
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.2	e.70	1.0	.92	.67	.51	8.4	.94	1.4	64	e9.0	e2.6
2	e2.8	e.70	1.0	.84	.62	.48	4.9	.98	e1.2	31	23	e2.6
3	e2.6	e.76	.99	.78	.62	e.47	4.0	1.1	e.76	9.9	29	e2.4
4	e2.4	e.79	.96	.79	.61	4.6	3.6	.95	4.0	e6.7	20	e2.4
5	e2.4	e.76	.92	.82	.63	1.2	e3.3	.76	2.7	e5.4	19	4.1
6	e2.2	e.76	.88	.79	.64	.72	3.0	e.70	e1.2	e4.6	e14	5.2
7	e2.0	e.76	.86	e.73	.62	.56	2.9	e.73	e1.1	e4.2	11	4.0
8	1.9	e.76	e.85	e1.1	.62	e.52	2.6	e.68	e1.4	e4.2	9.5	e3.5
9	1.7	e.76	e.84	e1.0	.59	.76	2.5	e.65	1.1	12	11	e3.6
10	1.5	6.5	e.79	.85	1.2	1.2	2.3	e.62	e.88	9.9	8.8	e3.4
11	1.4	e1.6	e.82	e.73	.51	.47	e2.2	e.64	e.79	43	7.5	4.2
12	e1.2	e1.0	e.86	e.70	.54	.42	e2.0	e.62	.73	21	6.8	6.7
13	e1.1	e.92	e.82	.70	.57	e.45	2.0	e.52	.71	13	6.5	9.9
14	e.97	e.90	e.82	.67	.58	.47	1.9	.52	.70	17	e6.0	350
15	e.94	e.82	e.82	.67	.63	e.47	1.7	.53	.68	11	e5.7	77
16	e.94	e.76	.82	.68	.65	.46	1.6	.51	.62	13	e5.5	29
17	e.91	e.76	e.79	.69	.64	.47	1.5	.50	.60	16	e5.2	16
18	e.88	e.76	.79	.64	.65	.52	1.4	.49	.56	e9.5	e5.1	e11
19	e.88	e.78	.76	e.65	e.62	.97	1.3	.49	1.6	e7.6	e5.2	e9.0
20	e.88	e.80	.79	.89	.57	.98	1.2	e.49	12	e8.0	e5.0	e8.0
21	e.88	.82	.77	.81	e.54	.77	1.1	e.49	6.2	23	e4.6	e7.4
22	e.88	.78	.77	.75	e.54	.54	1.0	e.49	4.5	197	e4.2	e6.4
23	e.85	.77	.71	e.70	.52	.49	.98	7.0	13	83	e4.0	e6.0
24	e.82	e.74	.71	.69	.50	e.45	.93	e.93	5.7	45	e3.8	6.0
25	e.79	3.3	.72	.64	.53	.42	1.0	e.73	3.5	27	e3.6	6.4
26	e.76	2.9	e.70	.61	.52	e.40	.94	e.68	2.8	24	3.3	5.1
27	e.76	1.9	e.68	.63	.51	.40	.87	e.65	2.5	16	3.2	5.8
28	e.76	e1.2	4.2	.65	.52	.38	e.85	e.65	53	13	3.1	e5.5
29	e.76	1.0	2.4	.66	---	38	.81	e.68	21	11	e2.8	e5.0
30	e.76	.99	1.2	.68	---	59	.81	.65	28	9.9	e2.8	4.4
31	e.73	---	1.0	.69	---	10	---	.68	---	9.5	e2.7	---
TOTAL	41.55	36.75	31.04	23.15	16.96	127.55	63.59	27.05	174.93	769.4	250.9	612.6
MEAN	1.34	1.23	1.00	.75	.61	4.11	2.12	.87	5.83	24.8	8.09	20.4
MAX	3.2	6.5	4.2	1.1	1.2	59	8.4	7.0	53	197	29	350
MIN	.73	.70	.68	.61	.50	.38	.81	.49	.56	4.2	2.7	2.4
CFSM	.27	.25	.20	.15	.12	.84	.43	.18	1.19	5.05	1.65	4.16
IN.	.31	.28	.24	.18	.13	.97	.48	.20	1.33	5.83	1.90	4.64

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	8.14	4.99	4.43	5.62	4.67	5.85	4.37	1.96	7.80	9.39	11.1	12.3
MAX	28.8	17.7	23.7	16.8	16.0	23.5	14.6	4.24	33.5	24.8	31.5	23.3
(WY)	1996	1998	1998	1998	1998	1998	1993	1996	1992	2001	1995	1992
MIN	1.34	1.23	1.00	.75	.61	.87	.60	.32	1.79	2.62	3.14	4.13
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	1994	1998	1997	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1992 - 2001**	
ANNUAL TOTAL	961.51		2175.47			
ANNUAL MEAN	2.63		5.96		6.72	
HIGHEST ANNUAL MEAN					10.6	1998
LOWEST ANNUAL MEAN					3.13	2000
HIGHEST DAILY MEAN	88	Sep 17	350	Sep 14	350	Sep 14 2001
LOWEST DAILY MEAN	.01	Jun 4	.38	Mar 28	.01	Jun 4 2000
ANNUAL SEVEN-DAY MINIMUM	.02	Jun 1	.44	Mar 22	.02	Jun 1 2000
MAXIMUM PEAK FLOW			752	Sep 14	971	Jun 25 1992
MAXIMUM PEAK STAGE			11.56	Sep 14	13.01	Jun 25 1992
ANNUAL RUNOFF (CFSM)	.54		1.21		1.37	
ANNUAL RUNOFF (INCHES)	7.28		16.48		18.59	
10 PERCENT EXCEEDS	5.8		11		13	
50 PERCENT EXCEEDS	1.0		.94		2.9	
90 PERCENT EXCEEDS	.35		.54		.82	

MANATEE RIVER BASIN

02299950 MANATEE RIVER NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°28'24", long 82°12'41", in SE ¼ sec.33, T.34 S., R.21 E., Manatee County, Hydrologic Unit 03100202, near center of span on downstream side of bridge on State Highway 64, 2.0 mi downstream from confluence of North and East Forks Manatee River, 5.4 mi east of State Highway 675, 8.4 mi west of Myakka Head, and 36 mi upstream from mouth.
DRAINAGE AREA.--65.3 mi^2.

WATER-DISCHARGE RECORDS

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 above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records good except those for estimated daily discharges, which are poor. Extreme low flow affected at times by ground-water pumpage into channel upstream from station by Manatee County Utilities since about September 1984.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	7.7	14	11	7.9	5.1	227	7.2	3.2	124	150	54
2	26	7.6	12	13	8.3	5.3	114	5.9	2.8	79	134	76
3	23	6.9	12	14	9.2	6.5	67	4.8	3.3	51	227	72
4	25	7.5	13	11	9.9	8.6	44	4.5	2.8	32	238	59
5	22	7.7	12	11	8.6	26	32	5.2	1.8	27	174	83
6	27	7.2	10	11	7.5	29	28	3.4	2.0	18	119	79
7	50	7.8	11	13	6.8	23	24	3.3	8.1	14	145	77
8	41	7.2	9.4	10	6.4	13	21	3.5	18	12	192	125
9	33	8.2	8.6	10	7.8	9.5	18	3.2	14	9.8	149	468
10	24	8.8	9.8	10	e7.0	8.9	17	3.7	11	11	131	1060
11	19	11	9.7	11	e6.6	7.9	15	4.0	5.6	25	174	662
12	17	9.4	13	12	e6.4	7.0	13	4.1	3.3	48	660	402
13	17	8.8	16	11	e6.0	6.2	12	3.1	2.3	56	365	882
14	15	9.2	14	9.4	e6.8	5.9	12	2.6	1.7	200	182	e4520
15	15	9.0	10	9.2	e7.6	7.5	11	3.1	3.4	526	134	e3220
16	14	10	8.7	9.7	8.0	7.1	9.2	3.5	20	208	97	1720
17	14	8.8	9.3	8.7	7.0	6.1	8.8	3.9	19	269	105	710
18	13	10	8.5	8.9	8.5	5.8	7.4	3.9	13	370	168	434
19	11	8.6	9.6	9.4	7.1	6.7	7.8	2.7	11	282	e166	284
20	12	8.7	11	9.4	6.1	8.7	7.2	2.5	16	201	e167	190
21	11	7.3	12	12	5.4	8.3	6.4	2.2	15	192	186	145
22	13	5.8	12	10	6.1	6.8	6.2	2.2	13	694	107	168
23	12	6.3	12	8.9	6.3	5.4	5.1	2.9	27	1020	75	185
24	12	7.2	10	8.0	6.1	4.7	5.1	4.5	52	e750	57	121
25	9.7	7.6	9.0	7.6	5.2	5.4	5.7	4.3	48	e480	47	100
26	9.8	20	8.7	9.5	4.9	6.0	5.6	2.4	35	329	38	83
27	9.2	31	7.9	10	4.8	5.0	6.0	1.9	42	198	32	78
28	9.8	30	8.8	9.3	4.8	4.3	4.3	1.9	38	299	28	79
29	9.3	22	16	9.6	---	13	4.6	2.2	80	256	24	97
30	8.6	16	14	7.9	---	437	5.7	2.7	82	162	22	86
31	9.1	---	13	7.6	---	488	---	3.1	---	118	25	---
TOTAL	560.5	323.3	345.0	313.1	193.1	1187.7	750.1	108.4	594.3	7060.8	4518	16319
MEAN	18.1	10.8	11.1	10.1	6.90	38.3	25.0	3.50	19.8	228	146	544
MAX	50	31	16	14	9.9	488	227	7.2	82	1020	660	4520
MIN	8.6	5.8	7.9	7.6	4.8	4.3	4.3	1.9	1.7	9.8	22	54
CFSM	.28	.17	.17	.15	.11	.59	.38	.05	.30	3.49	2.23	8.33
IN.	.32	.18	.20	.18	.11	.68	.43	.06	.34	4.02	2.57	9.30

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	53.2	33.2	32.7	40.1	41.7	60.8	24.4	22.5	82.4	119	161	182
MAX	235	335	307	203	229	358	128	196	366	383	349	544
(WY)	1972	1998	1998	1998	1998	1998	1993	1991	1982	1968	1967	2001
MIN	3.24	2.69	4.72	5.60	6.82	2.66	.54	.58	2.48	12.9	17.2	8.06
(WY)	1975	1975	1985	1968	1974	1974	1975	1967	1988	1972	1980	1996

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	14840.07		32273.3			
ANNUAL MEAN	40.5		88.4		71.3	
HIGHEST ANNUAL MEAN					164	1998
LOWEST ANNUAL MEAN					23.0	1990
HIGHEST DAILY MEAN	1260	Sep 8	4520	Sep 14	5000	Nov 14 1997
LOWEST DAILY MEAN	.55	Jun 16	1.7	Jun 14	.12	May 24 1975
ANNUAL SEVEN-DAY MINIMUM	.60	Jun 10	2.5	May 26	.18	May 21 1975
MAXIMUM PEAK FLOW			Unknown	Sep 14	7190	Nov 14 1998
MAXIMUM PEAK STAGE			Unknown	Sep 14	18.08	Nov 14 1998
ANNUAL RUNOFF (CFSM)	.62		1.35		1.09	
ANNUAL RUNOFF (INCHES)	8.45		18.39		14.83	
10 PERCENT EXCEEDS	72		188		166	
50 PERCENT EXCEEDS	12		11		17	
90 PERCENT EXCEEDS	4.2		4.3		4.0	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUL													
09...	1231	1.67	9.7	--	7.5	6.8	243	24.8	--	--	--	--	--
SEP													
20...	1300	6.18	186	240	6.0	5.7	87	25.2	7.80	3.40	3.20	3.2	6.7

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
JUL													
09...	--	--	--	--	.63	.03	.2	<.01	.660	.660	14	--	1.1
SEP													
20...	.2	4.6	8.8	E99cl	1.3	.02	M	<.01	.450	.500	26	140	1.5

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
JUL										
09...	--	--	--	--	--	--	--	--	--	--
SEP										
20...	342	<1	<1.00	<1	3.0	740	<1	<.10	<1	4

Remark codes used in this report:
E -- Estimated value

Null value remark codes used in this report:
M -- Presence verified, not quantified

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

MANATEE RIVER BASIN

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL

LOCATION.--Lat 27°31'14", long 82°24'07", in NE $^1/_4$ sec.16, T.34 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on left bank, on wooden "A" frame structure on Upper Manatee River Road, 3.0 mi upstream from Ft. Hamer, and 6.0 mi downstream from the dam.
DRAINAGE AREA.--139 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--March 1997 to March 1998 (gage heights only); January to September 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.87 ft, Sept 14, 2001; minimum, 1.29 ft below NGVD, Apr. 27, 2001.
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 8.87 ft, Sept. 14; minimum, 1.29 ft below NGVD, Apr. 27.

GAGE HEIGHT, FEET, PERIOD JANUARY TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	1.12	-.34	---	---
2	---	---	---	---	---	---	---	---	.22	-.71	---	---
3	---	---	---	---	---	---	---	---	.74	-1.23	---	---
4	---	---	---	---	---	---	---	---	1.15	-1.13	---	---
5	---	---	---	---	---	---	---	---	1.18	-1.13	---	---
6	---	---	---	---	---	---	---	---	1.40	-1.22	1.65	-.30
7	---	---	---	---	---	---	---	---	1.53	-1.22	1.65	-1.04
8	---	---	---	---	---	---	---	---	1.53	-1.14	1.49	-.95
9	---	---	---	---	---	---	---	---	1.43	-1.02	1.86	-.52
10	---	---	---	---	---	---	---	---	1.44	-.81	2.25	-.32
11	---	---	---	---	---	---	---	---	1.14	-.88	1.58	-.44
12	---	---	---	---	---	---	---	---	1.11	-.68	1.50	-.40
13	---	---	---	---	---	---	---	---	1.07	-.82	1.91	-.32
14	---	---	---	---	---	---	---	---	1.06	-.71	1.44	-.42
15	---	---	---	---	---	---	---	---	1.17	-.75	1.94	-.44
16	---	---	---	---	---	---	---	---	1.24	-.87	1.76	-.32
17	---	---	---	---	---	---	---	---	---	---	1.18	-.48
18	---	---	---	---	---	---	---	---	---	---	.92	-.96
19	---	---	---	---	---	---	---	---	---	---	1.43	-.84
20	---	---	---	---	---	---	---	---	---	---	1.80	.20
21	---	---	---	---	---	---	---	---	---	---	1.85	.27
22	---	---	---	---	---	---	---	---	---	---	1.60	-.61
23	---	---	---	---	---	---	---	---	---	---	1.16	-.69
24	---	---	---	---	---	---	---	---	---	---	1.23	-.57
25	---	---	---	---	---	---	---	---	---	---	1.45	-.39
26	---	---	---	---	---	---	.23	-1.04	---	---	1.42	-.56
27	---	---	---	---	---	---	1.02	-1.02	---	---	1.11	-.73
28	---	---	---	---	---	---	1.19	-.92	---	---	1.46	-.80
29	---	---	---	---	---	---	1.02	-.71	---	---	2.75	-.58
30	---	---	---	---	---	---	1.13	-.31	---	---	2.44	.06
31	---	---	---	---	---	---	1.21	-.08	---	---	1.93	-.10
MONTH	---	---	---	---	---	---	1.21	-1.04	1.53	-1.23	2.75	-1.04

MANATEE RIVER BASIN

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

GAGE HEIGHT, FEET, PERIOD JANUARY TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.39	-.30	1.22	-1.16	1.67	-.12	1.61	-.18	1.76	-.42	2.19	-.16
2	1.26	-.65	1.18	-.73	1.96	-.02	1.87	-.33	2.00	-.18	2.27	-.09
3	1.76	-.84	1.22	-.58	1.81	-.33	1.97	-.49	2.73	.47	2.18	-.02
4	1.80	-.58	.95	-.63	1.90	-.49	2.23	-.44	2.64	.28	2.11	-.14
5	1.88	-.47	1.30	-.60	1.86	-.59	2.53	-.39	2.54	.27	2.04	-.13
6	1.70	-.49	1.44	-.70	1.91	-.65	2.26	-.40	2.16	-.05	1.70	-.19
7	1.59	-.50	1.68	-.78	2.02	-.77	2.16	-.52	1.82	-.25	1.80	-.16
8	1.65	-.39	1.47	-.83	1.87	-.76	2.19	-.56	1.93	.01	1.99	.36
9	1.84	-.41	1.84	-.77	1.91	-.71	1.96	-.40	1.85	.65	2.27	.52
10	1.79	-.50	2.19	-.69	1.86	-.66	2.14	-.37	1.61	.20	3.02	1.15
11	2.12	-.54	1.95	-.39	1.81	-.59	1.42	-.15	2.69	.76	3.02	1.12
12	1.95	-.39	1.90	-.49	1.66	-.32	1.64	-.01	3.54	1.96	2.21	.63
13	1.90	-.47	2.04	-.34	1.17	-.28	1.69	.23	1.96	.27	2.98	1.63
14	1.94	-.54	1.64	-.39	1.13	-.41	1.67	.52	2.04	.42	8.87	2.98
15	1.67	-.36	1.54	-.43	1.15	-.44	1.96	.68	2.33	-.16	8.84	6.68
16	1.45	-.39	1.36	-.09	1.30	-.26	1.71	.42	2.60	-.01	6.68	3.11
17	1.31	-.62	1.36	-.08	1.35	-.47	2.20	-.34	2.49	-.41	3.11	1.32
18	.73	-1.02	1.37	-.08	1.53	-.67	2.43	.15	2.65	.00	2.55	.26
19	.88	-1.05	1.52	-.04	1.64	-.85	2.61	.14	3.16	.68	2.36	.54
20	1.15	-.82	1.76	-.13	1.82	-.76	2.51	-.33	2.75	.23	2.31	.66
21	1.23	-.54	2.05	-.08	2.11	-.65	2.90	-.35	2.38	.04	2.86	.84
22	1.06	-.72	2.20	-.16	2.09	-.84	4.69	.13	2.13	-.12	2.38	.17
23	1.55	-.53	2.46	-.21	2.13	-.82	4.35	3.11	1.79	-.01	2.34	.49
24	1.76	-.56	2.18	-.43	2.04	-.71	4.30	1.45	1.68	-.08	2.12	.23
25	1.85	-.65	2.49	-.53	1.82	-.75	1.88	.61	1.72	-.21	2.29	.36
26	1.39	-.90	2.42	-.37	1.51	-.72	1.81	.75	1.62	-.32	1.56	.11
27	1.42	-1.29	2.31	-.37	1.14	-.75	1.53	.23	1.64	-.39	1.76	.78
28	1.76	-1.13	1.92	-.37	1.04	-.60	1.40	-.12	1.61	-.55	2.04	.39
29	1.00	-.89	1.85	-.38	1.35	-.24	1.39	-.17	1.80	-.44	1.97	-.07
30	1.13	-1.18	1.32	-.23	1.50	-.31	1.67	-.27	1.92	-.37	1.39	-.10
31	---	---	1.33	-.38	---	---	1.64	-.30	2.12	-.27	---	---
MONTH	2.12	-1.29	2.49	-1.16	2.13	-.85	4.69	-.56	3.54	-.55	8.87	-.19
YEAR	8.87	-1.29										

MANATEE RIVER BASIN

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1997 to March 1998; January to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 1.0 ft below the surface and 1.0 ft above the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 28,500 microsiemens, Apr. 23, 1997; bottom probe maximum, 29,500 microsiemens, Apr. 23, 1997; top probe minimum, 77 microsiemens, Jan. 23, 1998; bottom probe minimum, 70 microsiemens, Sept. 16, 2001.
TEMPERATURE.--Top probe maximum, 33.8°C, June 13, 2001; bottom probe maximum, 33.3°C, June 19, 1997; top probe minimum, 13.9°C, Jan. 27, 28, 2001; bottom probe minimum, 13.9°C, Jan. 27, 28, 2001.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 27,800 microsiemens, June 21; bottom probe maximum, 27,900 microsiemens, June 21; top probe minimum, 81 microsiemens, Sept. 16; bottom probe minimum, 70 microsiemens, Sept. 16.
TEMPERATURE.--Top probe maximum, 33.8°C, June 13; bottom probe maximum, 32.9°C, June 10, 13, 17; top probe minimum, 13.9°C, Jan. 27, 28; bottom probe minimum, 13.9°C, Jan. 27, 28.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	20500	8890	---	---
2	---	---	---	---	---	---	---	---	14700	7340	---	---
3	---	---	---	---	---	---	---	---	17800	1350	---	---
4	---	---	---	---	---	---	---	---	21300	5930	---	---
5	---	---	---	---	---	---	---	---	20500	6370	---	---
6	---	---	---	---	---	---	---	---	22200	2920	16700	7870
7	---	---	---	---	---	---	---	---	23300	5990	16700	4950
8	---	---	---	---	---	---	---	---	24400	5800	16400	5360
9	---	---	---	---	---	---	---	---	23800	6540	20800	7810
10	---	---	---	---	---	---	---	---	23300	7760	23500	8310
11	---	---	---	---	---	---	---	---	20400	7560	19900	8020
12	---	---	---	---	---	---	---	---	20200	8310	20500	8040
13	---	---	---	---	---	---	---	---	21000	6980	22500	8880
14	---	---	---	---	---	---	---	---	21300	7360	19200	8060
15	---	---	---	---	---	---	---	---	21200	8010	23100	7710
16	---	---	---	---	---	---	---	---	22000	7380	23000	8220
17	---	---	---	---	---	---	---	---	---	---	18800	7610
18	---	---	---	---	---	---	---	---	---	---	18200	5930
19	---	---	---	---	---	---	---	---	---	---	21900	6620
20	---	---	---	---	---	---	---	---	---	---	22300	12400
21	---	---	---	---	---	---	---	---	---	---	22700	13400
22	---	---	---	---	---	---	---	---	---	---	21300	7780
23	---	---	---	---	---	---	---	---	---	---	17200	7360
24	---	---	---	---	---	---	---	---	---	---	18000	8100
25	---	---	---	---	---	---	---	---	---	---	19500	9080
26	---	---	---	---	---	---	14100	4620	---	---	19400	7790
27	---	---	---	---	---	---	20200	6020	---	---	17900	6550
28	---	---	---	---	---	---	21400	7000	---	---	21300	5460
29	---	---	---	---	---	---	19700	8000	---	---	24500	2140
30	---	---	---	---	---	---	20200	10400	---	---	2240	467
31	---	---	---	---	---	---	20500	11800	---	---	1660	673
MONTH	---	---	---	---	---	---	21400	4620	24400	1350	24500	467

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1850	891	13200	1790	25900	13500	2340	330	220	190	1860	465
2	1870	963	13200	3160	26300	13100	1370	652	220	180	2080	484
3	1990	1030	14300	4310	24600	11000	1480	765	200	170	2410	499
4	2030	1290	12000	3820	24800	9720	1520	480	220	180	2640	539
5	2110	1360	14700	4690	25500	9370	1040	312	220	190	2440	535
6	2130	1320	15800	4340	26100	9060	620	386	230	190	2200	511
7	2180	1340	17800	4340	26200	8000	996	491	370	220	1960	209
8	2190	1500	17000	4300	24400	8480	1450	590	220	180	209	158
9	2440	1530	19800	4280	24000	8960	1680	695	190	160	187	149
10	2670	1460	22900	5570	23200	9230	1990	719	260	170	157	147
11	3360	1380	22100	7190	23200	10100	1470	530	220	160	157	151
12	3890	1520	23000	7020	22700	11700	960	500	170	160	167	153
13	4040	1410	23600	8460	20900	11900	900	340	190	140	160	148
14	4870	1270	22000	8240	20100	11200	400	350	180	120	158	116
15	4260	1430	22100	7790	20200	11900	370	350	257	154	142	88
16	4330	1290	20300	9590	21900	12300	370	330	274	184	89	81
17	4440	1240	20500	9830	22400	12300	450	340	234	163	97	87
18	3250	953	20900	10900	24400	10800	550	290	417	123	168	97
19	3730	1060	22000	11500	25100	9460	370	340	157	139	139	113
20	5280	1240	23600	10500	26600	9940	400	360	244	151	134	105
21	5550	1650	25700	10600	27800	9750	420	330	317	210	136	94
22	5390	1520	26500	10400	26500	8660	360	260	364	210	204	132
23	8700	1940	26600	8660	23800	8240	290	280	351	175	132	92
24	10300	1950	25200	8660	19500	5810	280	260	424	230	210	113
25	10700	1950	27000	7360	14900	5830	310	250	481	222	255	122
26	9070	1880	26700	9290	12500	3810	330	240	295	173	149	102
27	10100	1280	26600	9410	10200	3240	320	240	470	254	189	99
28	13200	1620	25400	9830	8060	2080	270	220	563	317	141	97
29	9130	2070	25800	10900	7230	1880	280	210	680	373	159	113
30	10800	1540	23000	12000	5980	921	280	210	900	408	254	158
31	---	---	23600	11300	---	---	410	220	1310	441	---	---
MONTH	13200	891	27000	1790	27800	921	2340	210	1310	120	2640	81
YEAR	27800	81										

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	20700	11100	---	---
2	---	---	---	---	---	---	---	---	15900	8620	---	---
3	---	---	---	---	---	---	---	---	18700	6010	---	---
4	---	---	---	---	---	---	---	---	21400	6700	---	---
5	---	---	---	---	---	---	---	---	20800	7000	---	---
6	---	---	---	---	---	---	---	---	21600	6020	16900	8000
7	---	---	---	---	---	---	---	---	23100	6630	16900	5590
8	---	---	---	---	---	---	---	---	24800	5910	17000	5810
9	---	---	---	---	---	---	---	---	24200	6910	21300	8310
10	---	---	---	---	---	---	---	---	23500	8400	23900	8860
11	---	---	---	---	---	---	---	---	21200	8240	20100	8410
12	---	---	---	---	---	---	---	---	20700	8710	20700	8370
13	---	---	---	---	---	---	---	---	21400	8000	22400	9470
14	---	---	---	---	---	---	---	---	22200	8770	20300	8670
15	---	---	---	---	---	---	---	---	21800	8890	23300	8470
16	---	---	---	---	---	---	---	---	22600	8510	22900	9230
17	---	---	---	---	---	---	---	---	---	---	19000	8750
18	---	---	---	---	---	---	---	---	---	---	19100	6860
19	---	---	---	---	---	---	---	---	---	---	22200	6980
20	---	---	---	---	---	---	---	---	---	---	22300	16400
21	---	---	---	---	---	---	---	---	---	---	23000	14500
22	---	---	---	---	---	---	---	---	---	---	21100	8990
23	---	---	---	---	---	---	---	---	---	---	17000	7780
24	---	---	---	---	---	---	---	---	---	---	18100	8360
25	---	---	---	---	---	---	---	---	---	---	19900	9660
26	---	---	---	---	---	---	14700	5440	---	---	19700	8450
27	---	---	---	---	---	---	20900	6830	---	---	17700	7190
28	---	---	---	---	---	---	22100	7910	---	---	21800	5670
29	---	---	---	---	---	---	20700	8690	---	---	24600	2140
30	---	---	---	---	---	---	20500	12900	---	---	2270	463
31	---	---	---	---	---	---	20500	13800	---	---	1710	670
MONTH	---	---	---	---	---	---	22100	5440	24800	5910	24600	463

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1830	884	14300	1860	26400	13600	2260	334	230	200	1860	460
2	1870	940	13600	3520	26300	12000	1380	650	220	180	2100	482
3	1960	1060	14900	4600	24800	11200	1510	741	210	170	2420	494
4	2010	1290	12700	4180	25600	10500	1500	477	210	180	2690	533
5	2100	1380	15300	4880	25700	11200	1030	317	210	190	2430	528
6	2150	1380	16500	4740	26300	9650	616	386	220	190	2260	503
7	2150	1360	18300	4700	26500	9180	987	489	370	220	1970	208
8	2150	1470	17500	5000	25000	9530	1450	591	230	180	208	158
9	2410	1490	20600	4840	24200	9730	1700	684	190	160	183	148
10	2600	1450	23100	5980	23100	9460	2000	717	260	170	154	145
11	3630	1350	22500	7830	23400	10800	1480	540	230	170	156	149
12	3990	1480	23100	7640	22700	11400	980	500	170	160	166	152
13	4220	1380	23800	9300	20900	12400	950	340	200	140	157	146
14	4900	1290	22200	8760	20600	12300	400	360	180	140	206	117
15	4360	1430	22300	9060	21100	11300	370	360	255	153	126	76
16	4360	1350	20900	11300	22800	13400	380	350	274	183	81	70
17	4450	1280	21000	11900	22900	13000	490	350	229	163	87	76
18	3260	1030	20900	12100	25100	11200	570	300	421	123	150	85
19	3800	1080	22300	11900	25100	10200	370	360	157	139	120	99
20	5380	1310	23700	10600	26000	10500	400	360	249	150	121	91
21	5920	1680	25700	11800	27900	10100	430	340	316	209	117	82
22	5620	1520	26300	10800	25500	9130	370	260	364	208	183	115
23	8910	2000	26100	9070	22200	8870	290	270	350	174	116	81
24	10600	1920	24900	9240	19200	6710	280	260	422	228	189	100
25	11100	1920	27100	8200	14200	6160	310	250	478	220	230	107
26	9280	1890	26800	9980	12300	4260	280	240	294	170	130	90
27	10300	1380	26800	10200	10100	3480	280	240	466	252	169	88
28	13600	1630	25900	10400	7830	2100	270	220	555	314	124	85
29	9160	2110	26200	12000	7110	1960	250	210	676	371	148	99
30	11400	1550	23400	12500	6110	947	280	210	894	404	236	144
31	---	---	24200	12300	---	---	410	220	1320	437	---	---
MONTH	13600	884	27100	1860	27900	947	2260	210	1320	123	2690	70
YEAR	27900	70										

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	22.1	20.3	---	---
2	---	---	---	---	---	---	---	---	21.9	19.3	---	---
3	---	---	---	---	---	---	---	---	20.0	18.4	---	---
4	---	---	---	---	---	---	---	---	18.6	17.7	---	---
5	---	---	---	---	---	---	---	---	19.0	17.4	---	---
6	---	---	---	---	---	---	---	---	18.6	15.8	21.3	19.8
7	---	---	---	---	---	---	---	---	19.3	16.2	20.8	18.8
8	---	---	---	---	---	---	---	---	21.0	17.6	20.8	18.3
9	---	---	---	---	---	---	---	---	21.6	18.9	20.8	18.4
10	---	---	---	---	---	---	---	---	23.0	20.2	22.3	19.9
11	---	---	---	---	---	---	---	---	24.4	21.6	22.9	20.6
12	---	---	---	---	---	---	---	---	25.0	22.9	24.1	21.4
13	---	---	---	---	---	---	---	---	25.1	23.1	24.2	23.5
14	---	---	---	---	---	---	---	---	25.4	22.8	23.9	23.1
15	---	---	---	---	---	---	---	---	25.4	23.2	25.3	23.4
16	---	---	---	---	---	---	---	---	25.4	22.9	25.2	24.3
17	---	---	---	---	---	---	---	---	---	---	26.3	24.2
18	---	---	---	---	---	---	---	---	---	---	24.6	23.2
19	---	---	---	---	---	---	---	---	---	---	23.2	22.1
20	---	---	---	---	---	---	---	---	---	---	23.6	22.0
21	---	---	---	---	---	---	---	---	---	---	22.4	20.6
22	---	---	---	---	---	---	---	---	---	---	22.1	19.6
23	---	---	---	---	---	---	---	---	---	---	22.8	19.8
24	---	---	---	---	---	---	---	---	---	---	23.6	20.6
25	---	---	---	---	---	---	---	---	---	---	24.1	21.6
26	---	---	---	---	---	---	16.2	14.5	---	---	24.1	22.4
27	---	---	---	---	---	---	15.4	13.9	---	---	23.6	21.2
28	---	---	---	---	---	---	16.7	13.9	---	---	23.4	21.1
29	---	---	---	---	---	---	17.7	15.3	---	---	23.0	19.2
30	---	---	---	---	---	---	19.2	16.9	---	---	20.9	18.8
31	---	---	---	---	---	---	21.1	18.6	---	---	22.1	20.5
MONTH	---	---	---	---	---	---	21.1	13.9	25.4	15.8	26.3	18.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.5	21.2	24.3	21.9	30.9	29.0	28.5	24.4	29.1	27.5	32.0	29.7
2	25.7	21.3	25.6	22.7	30.8	28.2	29.6	26.7	28.2	26.8	31.1	29.3
3	24.4	21.6	25.2	23.4	31.8	29.0	30.8	28.3	27.4	26.5	31.6	29.4
4	25.5	22.9	26.1	23.0	31.7	29.5	30.0	27.1	27.9	26.5	31.4	29.9
5	26.4	23.7	26.6	23.9	31.2	29.1	29.9	27.1	28.7	26.4	31.1	29.7
6	26.4	24.6	27.0	24.4	30.7	29.0	30.4	27.8	30.2	27.0	31.1	29.6
7	26.6	24.6	26.6	24.3	31.4	28.5	31.0	29.1	29.8	27.6	31.1	28.5
8	27.5	25.5	25.9	24.5	32.2	29.1	31.2	29.5	30.5	27.3	29.7	28.5
9	28.0	26.0	25.8	23.9	32.6	29.8	30.7	29.3	28.8	27.1	29.2	27.9
10	27.9	26.3	26.0	23.4	32.9	30.2	30.4	28.4	30.2	27.1	29.0	28.4
11	28.3	26.2	25.9	23.7	32.8	30.5	29.6	28.2	29.9	27.7	29.1	28.2
12	28.7	26.7	26.6	23.8	32.8	30.7	29.1	27.5	29.6	28.1	28.9	27.5
13	29.2	27.2	27.4	24.7	33.8	30.8	28.3	27.4	30.1	27.0	27.8	27.1
14	29.8	27.4	28.2	25.5	33.0	31.0	29.7	27.4	29.4	27.0	27.1	24.5
15	29.8	27.7	28.9	26.3	33.2	30.5	29.1	28.0	28.4	27.0	24.5	23.4
16	29.8	27.7	29.8	26.5	32.9	30.1	29.8	28.1	29.3	27.6	24.5	23.3
17	28.4	26.1	30.0	26.6	33.1	30.0	29.5	28.2	30.2	27.4	26.0	23.9
18	27.3	23.6	29.8	27.0	32.1	30.0	29.9	27.8	31.2	27.6	26.3	24.1
19	25.3	21.9	29.7	27.1	31.5	29.0	29.6	28.1	29.4	28.7	27.1	24.6
20	25.5	22.4	29.8	27.2	31.4	28.7	30.0	28.0	30.3	28.0	26.2	24.3
21	25.8	23.2	29.2	27.2	31.3	28.9	29.1	27.7	30.6	29.0	26.9	24.8
22	26.2	23.6	30.3	27.8	29.1	27.7	28.7	26.7	31.5	28.3	27.9	25.8
23	27.0	24.2	30.9	28.7	27.7	26.2	28.6	27.4	31.4	28.7	27.9	25.7
24	27.6	25.3	30.8	28.2	28.0	25.5	27.7	27.0	32.2	29.9	28.8	26.9
25	26.7	25.7	30.7	28.2	29.6	26.8	28.9	26.9	32.3	29.8	28.3	27.1
26	27.3	25.0	30.8	28.3	31.2	28.2	29.5	27.4	31.1	28.9	27.1	25.0
27	26.3	23.7	30.7	28.0	31.5	28.6	29.3	27.4	31.4	29.6	26.1	25.5
28	25.6	23.8	30.3	28.5	29.7	28.5	30.2	27.3	31.9	30.2	26.6	25.6
29	24.8	23.5	30.8	28.5	30.4	27.8	30.5	27.2	32.4	30.4	26.9	25.5
30	23.5	22.3	32.4	29.1	30.2	27.6	29.8	27.4	32.7	30.7	26.9	24.5
31	---	---	32.6	29.2	---	---	29.6	27.6	32.0	30.1	---	---
MONTH	29.8	21.2	32.6	21.9	33.8	25.5	31.2	24.4	32.7	26.4	32.0	23.3
YEAR	33.8	13.9										

02300009 MANATEE RIVER AT DEVIL'S ELBOW NEAR FT. HAMER, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	21.9	20.3	---	---
2	---	---	---	---	---	---	---	---	21.4	20.8	---	---
3	---	---	---	---	---	---	---	---	20.9	18.6	---	---
4	---	---	---	---	---	---	---	---	18.7	17.8	---	---
5	---	---	---	---	---	---	---	---	18.9	17.5	---	---
6	---	---	---	---	---	---	---	---	18.6	15.9	21.4	19.8
7	---	---	---	---	---	---	---	---	19.2	16.2	20.9	18.8
8	---	---	---	---	---	---	---	---	20.4	17.6	20.8	18.2
9	---	---	---	---	---	---	---	---	21.6	18.9	20.7	18.4
10	---	---	---	---	---	---	---	---	23.0	20.2	22.3	19.9
11	---	---	---	---	---	---	---	---	24.1	21.6	22.9	20.6
12	---	---	---	---	---	---	---	---	25.0	22.9	24.1	21.3
13	---	---	---	---	---	---	---	---	25.0	23.4	24.2	23.5
14	---	---	---	---	---	---	---	---	25.0	23.3	23.9	23.3
15	---	---	---	---	---	---	---	---	25.4	23.3	25.3	23.4
16	---	---	---	---	---	---	---	---	25.4	23.0	25.1	24.3
17	---	---	---	---	---	---	---	---	---	---	26.2	24.4
18	---	---	---	---	---	---	---	---	---	---	25.1	23.4
19	---	---	---	---	---	---	---	---	---	---	23.4	22.2
20	---	---	---	---	---	---	---	---	---	---	23.4	22.4
21	---	---	---	---	---	---	---	---	---	---	22.4	20.7
22	---	---	---	---	---	---	---	---	---	---	22.1	19.6
23	---	---	---	---	---	---	---	---	---	---	22.8	19.8
24	---	---	---	---	---	---	---	---	---	---	23.6	20.5
25	---	---	---	---	---	---	---	---	---	---	24.1	21.6
26	---	---	---	---	---	---	15.9	14.6	---	---	24.0	22.3
27	---	---	---	---	---	---	15.4	13.9	---	---	23.5	21.2
28	---	---	---	---	---	---	16.7	13.9	---	---	23.4	21.0
29	---	---	---	---	---	---	17.7	15.4	---	---	23.0	19.2
30	---	---	---	---	---	---	19.2	17.1	---	---	20.9	18.8
31	---	---	---	---	---	---	20.9	18.8	---	---	22.1	20.5
MONTH	---	---	---	---	---	---	20.9	13.9	25.4	15.9	26.2	18.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.5	21.2	24.2	22.0	31.0	29.3	28.5	24.3	29.1	27.5	31.8	29.7
2	24.4	21.3	25.4	22.8	30.7	28.3	29.5	26.6	28.2	26.8	31.1	29.3
3	24.2	21.6	25.1	23.5	31.7	29.1	30.6	28.3	27.4	26.5	31.6	29.4
4	25.3	22.9	26.1	23.0	31.6	29.5	30.0	27.1	27.8	26.5	31.4	29.9
5	26.4	23.7	26.6	23.9	31.1	29.3	29.9	27.0	28.6	26.4	31.1	29.7
6	26.4	24.5	26.9	24.4	30.7	29.3	30.3	27.8	29.0	26.9	31.0	29.6
7	26.6	24.6	26.5	24.3	31.2	28.7	30.9	29.0	29.4	27.6	31.0	28.5
8	27.5	25.5	25.9	24.5	31.9	29.4	31.1	29.5	30.0	27.3	29.6	28.4
9	28.0	26.0	25.7	24.0	32.6	29.9	30.7	29.3	28.8	27.1	29.1	27.9
10	27.8	26.2	25.8	23.7	32.9	30.2	30.4	28.4	30.0	27.1	29.0	28.4
11	28.3	26.1	25.7	23.9	32.7	30.4	29.6	28.2	29.9	27.7	29.0	28.2
12	28.7	26.7	26.5	23.8	32.4	30.6	28.8	27.5	29.5	28.1	28.9	27.5
13	29.2	27.2	27.4	24.7	32.9	30.8	28.3	27.4	30.1	27.0	27.7	27.1
14	29.8	27.4	28.3	25.6	32.6	31.0	29.6	27.4	29.4	26.9	27.1	24.5
15	29.6	27.7	28.7	26.4	32.5	30.6	29.1	27.9	28.4	27.0	24.5	23.3
16	29.6	27.6	29.1	26.8	32.5	30.1	29.8	28.1	29.1	27.6	24.5	23.3
17	28.3	26.1	29.5	26.9	32.9	30.3	29.4	28.2	29.9	27.4	26.0	23.9
18	27.2	23.8	29.7	27.3	32.0	30.4	29.8	27.7	30.8	27.6	26.3	24.0
19	25.3	22.1	29.7	27.1	31.1	29.4	29.6	28.1	29.4	28.6	26.7	24.5
20	25.5	22.5	29.8	27.2	31.0	28.8	30.0	27.9	30.3	28.0	26.1	24.3
21	25.8	23.2	29.2	27.3	31.2	29.0	29.1	27.7	30.6	29.0	26.9	24.8
22	26.2	23.6	30.3	27.9	29.1	27.7	28.7	26.7	31.5	28.3	27.8	25.8
23	26.8	24.2	30.8	28.7	27.7	26.2	28.6	27.4	31.4	28.7	27.9	25.7
24	27.5	25.3	30.4	28.3	27.8	25.7	27.7	27.0	32.1	29.8	28.5	26.9
25	26.7	25.7	30.6	28.2	29.5	26.8	28.8	26.9	32.3	29.8	28.3	27.1
26	27.2	25.0	30.7	28.3	30.8	28.2	29.5	27.4	31.0	28.8	27.1	25.0
27	26.3	23.8	30.7	28.1	30.8	28.7	29.3	27.4	31.3	29.6	26.1	25.4
28	25.6	23.8	30.3	28.4	29.6	28.5	30.2	27.3	31.9	30.2	26.4	25.6
29	24.7	23.5	30.8	28.5	29.7	27.8	30.5	27.2	32.3	30.4	26.9	25.5
30	23.5	22.4	31.5	29.1	29.7	27.6	29.8	27.4	32.4	30.6	26.6	24.5
31	---	---	32.0	29.3	---	---	29.6	27.5	31.7	30.1	---	---
MONTH	29.8	21.2	32.0	22.0	32.9	25.7	31.1	24.3	32.4	26.4	31.8	23.3
YEAR	32.9	13.9										

MANATEE RIVER BASIN

023000095 MANATEE RIVER AT RYE, FL

LOCATION.--Lat 27°30'48", long 82°22'02", in SW ¼ sec.13, T.34 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on downstream side of bridge on Rye Road, 0.5 mi east of Rye, 1.0 mi downstream from Manatee Dam, 2.0 mi north of State Highway 64, and 22 mi upstream from mouth.
DRAINAGE AREA.--137 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--September 2000 to current year. Records of gage heights prior to October 2000 are available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.97 ft, Sept. 14, 2001 (from floodmark); minimum, 1.60 ft below NGVD, Oct. 9, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.97 ft, Sept. 14 (from floodmark); minimum, 1.60 ft below NGVD, Oct. 9.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.24	-.77	1.93	-.37	1.17	-.83	.46	-1.09	1.05	-.56	1.46	-.61
2	1.05	-.69	2.03	-.29	1.31	-.67	.23	-1.10	.15	-.85	1.58	-.55
3	1.21	-1.08	1.79	-.30	1.16	-.53	.62	-1.14	.66	-1.22	1.84	-.62
4	1.66	-.56	1.51	-.26	.73	-.81	.65	-.80	1.07	-1.14	1.85	-.43
5	1.12	-.82	1.71	-.02	.95	-.58	1.59	-.94	1.06	-1.08	1.93	-.49
6	1.16	-.60	1.92	.31	1.61	-.33	1.57	-.75	1.21	-1.13	1.91	-.71
7	1.26	-.85	1.95	.07	1.61	-.39	1.89	-.85	1.44	-1.08	1.56	-.99
8	.70	-.96	2.10	.37	1.95	-.59	1.97	-.73	1.44	-1.12	1.40	-.93
9	.71	-1.60	2.32	.28	2.00	-.61	2.09	-.83	1.31	-1.05	1.76	-.57
10	.13	-1.31	2.48	.41	2.21	-.63	.90	-1.28	1.34	-.88	2.14	-.40
11	.47	-1.08	2.19	-.32	2.26	-.64	1.62	-.99	1.04	-.94	1.47	-.51
12	.85	-.92	2.18	-.44	2.60	-.41	1.80	-.70	1.01	-.82	1.37	-.51
13	1.03	-1.07	2.23	-.47	2.31	-.72	1.19	-1.02	.97	-.94	1.81	-.41
14	1.27	-.88	2.80	-.14	2.45	-.67	1.13	-.82	.97	-.85	1.32	-.51
15	1.29	-1.01	2.08	-.72	2.00	-.78	.89	-.78	1.10	-.88	1.83	-.56
16	1.41	-1.03	1.94	-.55	1.57	-.60	1.21	-.57	1.17	-.96	1.64	-.45
17	1.61	-.95	2.10	-.17	2.07	-.25	1.19	-.65	1.45	-.97	1.07	-.59
18	1.39	-1.08	1.65	-.66	1.00	-.65	1.34	-.78	.77	-1.20	.80	-1.00
19	1.36	-1.01	1.52	-.07	1.64	-.35	1.59	-.72	1.50	-1.28	1.29	-.94
20	2.01	-.23	1.75	-.85	1.59	-.96	1.51	-.60	1.50	-.91	1.63	.04
21	2.05	-.31	.63	-.91	1.26	-.84	.62	-1.29	1.48	-.80	1.72	.12
22	2.02	-.39	1.09	-1.06	1.22	-.92	.65	-1.25	1.66	-.70	1.46	-.69
23	1.76	-.38	1.23	-.77	.86	-1.21	.84	-1.19	1.71	-.63	1.02	-.78
24	1.37	-.27	2.33	-.64	.89	-1.15	.75	-1.13	1.14	-.84	1.08	-.68
25	1.69	-.09	2.61	-.12	.81	-1.29	1.19	-1.04	1.37	-.66	1.31	-.51
26	2.05	-.02	2.51	-.35	1.13	-1.27	.78	-1.14	1.38	-.51	1.28	-.61
27	2.20	-.09	1.96	-.79	1.78	-.73	.92	-1.00	1.12	-.65	.95	-.77
28	2.08	-.32	1.93	-.79	2.33	-.35	1.08	-.93	1.39	-.50	1.25	-.96
29	2.38	-.19	1.62	-.84	2.34	-.62	.92	-.83	---	---	2.90	-.66
30	2.27	-.27	1.57	-.93	1.40	-.72	1.04	-.45	---	---	2.37	.46
31	2.02	-.48	---	---	.60	-1.15	1.13	-.24	---	---	1.84	-.16
MONTH	2.38	-1.60	2.80	-1.06	2.60	-1.29	2.09	-1.29	1.71	-1.28	2.90	-1.00

MANATEE RIVER BASIN

023000095 MANATEE RIVER AT RYE, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.29	-.36	1.07	-1.09	1.56	-.32	1.97	-.21	1.95	.81	2.16	-.15
2	1.14	-.66	1.03	-.81	1.87	-.27	1.81	-.33	3.21	.85	2.26	-.13
3	1.65	-.81	1.06	-.68	1.72	-.51	1.92	-.44	3.82	1.40	2.16	-.06
4	1.65	-.62	.79	-.73	1.80	-.61	2.20	-.18	2.76	1.19	2.10	-.16
5	1.78	-.54	1.14	-.69	1.77	-.69	3.01	-.12	2.66	1.18	2.02	-.12
6	1.61	-.56	1.27	-.75	1.81	-.72	2.24	-.40	2.16	.01	1.67	-.25
7	1.47	-.58	1.54	-.81	1.92	-.78	2.13	-.45	1.97	-.13	2.23	-.12
8	1.55	-.48	1.33	-.81	1.78	-.79	2.16	-.52	3.14	.88	2.14	1.03
9	1.76	-.46	1.71	-.85	1.83	-.76	1.93	-.40	3.33	1.45	5.44	1.38
10	1.69	-.49	2.07	-.74	1.78	-.72	2.10	-.40	2.72	.18	8.08	3.63
11	2.04	-.59	1.82	-.58	1.71	-.65	1.39	-.12	9.00	2.16	7.66	2.91
12	1.86	-.46	1.77	-.67	1.56	-.42	1.60	-.05	9.31	4.87	4.03	1.61
13	1.79	-.53	1.93	-.55	1.09	-.39	1.71	.15	4.87	1.48	8.52	4.03
14	1.83	-.63	1.52	-.60	1.02	-.53	3.07	.75	2.63	1.32	15.97	8.24
15	1.57	-.47	1.43	-.65	1.03	-.55	4.79	2.40	2.44	-.09	---	---
16	1.34	-.52	1.26	-.33	1.23	-.38	3.44	2.18	2.68	.90	---	---
17	1.22	-.72	1.25	-.30	1.24	-.55	3.47	-.16	2.48	-.29	---	---
18	.64	-1.01	1.27	-.27	1.42	-.71	2.98	.50	5.50	.18	---	---
19	.74	-1.05	1.42	-.26	1.53	-.84	3.11	1.91	5.76	2.28	---	---
20	1.02	-.86	1.66	-.32	1.70	-.76	2.50	.64	2.77	.20	3.17	1.25
21	1.06	-.66	1.96	-.26	2.00	-.68	2.99	.64	2.37	.10	3.45	.78
22	.92	-.80	2.13	-.35	1.99	-.79	10.14	.97	2.28	-.07	3.25	.58
23	1.41	-.64	2.36	-.34	2.04	-.81	9.82	6.13	1.76	-.04	3.66	1.31
24	1.63	-.63	2.07	-.45	1.96	-.69	9.91	2.75	1.64	-.12	2.06	.22
25	1.72	-.63	2.39	-.69	1.75	-.75	3.37	1.40	1.67	.39	2.43	1.24
26	1.26	-.76	2.32	-.51	1.36	-.74	3.36	2.29	1.56	-.34	1.85	.51
27	1.25	-1.11	2.21	-.54	1.17	-.73	2.49	.97	1.60	-.41	3.48	.67
28	1.62	-1.03	1.80	-.55	.98	-.58	2.27	.92	1.56	-.55	3.54	.95
29	.85	-.88	1.73	-.58	1.26	-.33	2.27	.93	1.76	-.42	2.12	.01
30	.99	-1.09	1.21	-.45	1.93	-.10	1.90	-.04	1.88	-.37	1.32	-.14
31	---	---	1.21	-.58	---	---	1.60	.44	2.09	-.26	---	---
MONTH	2.04	-1.11	2.39	-1.09	2.04	-.84	10.14	-.52	9.31	-.55	15.97	-.25
YEAR	15.97	-1.60										

MANATEE RIVER BASIN

023000095 MANATEE RIVER AT RYE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2000 to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located near the top and near the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 3,280 microsiemens, June 21; bottom probe maximum, 3,520 microsiemens, Dec. 29; top probe minimum, 71 microsiemens, Sept. 21-23; bottom probe minimum, 72 microsiemens, Sept. 14, 22, 23, 28.
TEMPERATURE.--Top probe maximum, 32.0°C, June 17; bottom probe maximum, 32.0°C, June 17; top probe minimum, 9.7°C, Jan. 5; bottom probe minimum, 9.6°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD DECEMBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	379	267	587	229	1150	284
2	---	---	---	---	---	---	303	240	292	228	1350	278
3	---	---	---	---	---	---	420	231	299	222	1640	274
4	---	---	---	---	---	---	459	231	544	229	1860	284
5	---	---	---	---	---	---	1120	225	515	227	1850	275
6	---	---	---	---	---	---	1360	235	639	228	1850	285
7	---	---	---	---	---	---	1740	235	999	233	1470	274
8	---	---	---	---	---	---	1930	252	1160	238	1390	271
9	---	---	---	---	---	---	2430	245	1110	244	1890	301
10	---	---	---	---	---	---	470	232	1240	252	2470	309
11	---	---	---	---	---	---	1630	240	863	251	1400	308
12	---	---	---	---	---	---	2000	257	732	249	1250	295
13	---	---	---	---	---	---	977	238	624	241	1920	305
14	---	---	---	---	---	---	923	236	608	247	1210	300
15	---	---	---	---	---	---	519	231	825	250	1890	285
16	---	---	---	---	---	---	692	228	943	248	1700	288
17	---	---	---	---	---	---	677	232	1180	249	993	284
18	---	---	---	---	---	---	862	229	653	242	597	274
19	---	---	---	---	---	---	1180	230	1380	232	1170	268
20	---	---	---	---	---	---	1130	234	1400	264	1440	322
21	---	---	---	---	698	272	291	224	1930	278	1540	325
22	---	---	---	---	708	269	347	228	1990	291	1310	271
23	---	---	---	---	453	260	488	220	1990	296	734	268
24	---	---	---	---	459	271	444	226	1110	277	784	272
25	---	---	---	---	362	248	647	228	1320	286	962	285
26	---	---	---	---	611	242	366	226	1310	297	927	285
27	---	---	---	---	1450	271	417	226	823	273	589	275
28	---	---	---	---	3230	304	497	227	1180	285	862	273
29	---	---	---	---	3270	288	431	226	---	---	1300	279
30	---	---	---	---	2240	263	544	231	---	---	382	193
31	---	---	---	---	492	265	609	234	---	---	272	200
MONTH	---	---	---	---	3270	242	2430	220	1990	222	2470	193

023000095 MANATEE RIVER AT RYE, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD DECEMBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	271	235	394	294	2310	524	301	142	174	163	343	261
2	285	259	409	293	2370	495	278	252	178	162	348	289
3	391	262	406	289	2440	475	283	270	168	161	335	242
4	344	267	340	287	2710	467	307	188	166	161	328	246
5	366	266	417	288	2620	391	337	217	164	161	281	217
6	324	269	456	290	2550	384	339	319	204	161	364	214
7	339	273	563	290	2690	369	342	315	197	159	327	140
8	364	279	517	293	2740	379	355	306	170	148	165	140
9	414	288	714	293	2870	386	327	296	160	148	155	113
10	404	292	1120	295	2980	395	388	290	174	153	129	107
11	513	298	1080	288	3080	410	406	249	157	130	130	125
12	454	292	1240	290	3180	539	316	272	138	125	132	127
13	470	292	1550	298	2210	569	337	263	133	99	140	126
14	535	294	1270	307	2140	528	350	321	143	99	143	78
15	474	297	1160	311	2120	523	350	343	159	132	---	---
16	369	292	986	323	2280	571	345	330	189	139	---	---
17	363	294	926	325	2380	572	336	223	155	135	---	---
18	320	293	820	322	2480	425	335	178	181	109	---	---
19	323	301	879	330	2440	413	334	331	135	129	---	---
20	357	292	1100	335	2840	357	336	305	156	133	105	73
21	378	286	1510	347	3280	356	328	294	171	155	156	71
22	353	283	2050	361	3090	404	308	267	207	140	145	71
23	453	284	2200	364	2680	370	275	264	195	140	78	71
24	516	289	2030	375	1850	355	269	246	185	166	135	78
25	542	290	2570	379	410	313	251	226	217	138	152	76
26	431	291	2800	404	500	314	233	211	154	138	90	77
27	446	292	3090	422	331	253	214	193	219	150	141	77
28	651	298	2690	440	283	264	198	188	259	206	106	77
29	370	297	2760	441	362	271	194	183	278	219	100	82
30	386	290	1840	500	360	275	197	176	295	251	133	99
31	---	---	1740	474	---	---	207	169	332	257	---	---
MONTH	651	235	3090	287	3280	253	406	142	332	99	364	71
YEAR	3280	71										

023000095 MANTEE RIVER AT RYE, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD DECEMBER 2000 TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	385	271	581	233	1130	289
2	---	---	---	---	---	---	307	246	300	231	1350	282
3	---	---	---	---	---	---	425	236	299	225	1660	277
4	---	---	---	---	---	---	460	236	532	232	1870	286
5	---	---	---	---	---	---	1100	229	532	232	1830	277
6	---	---	---	---	---	---	1360	239	623	233	1830	287
7	---	---	---	---	---	---	1740	238	972	237	1480	279
8	---	---	---	---	---	---	1910	257	1200	243	1390	279
9	---	---	---	---	---	---	2420	249	1130	252	1870	309
10	---	---	---	---	---	---	469	237	1250	263	2450	313
11	---	---	---	---	---	---	1640	245	888	260	1390	311
12	---	---	---	---	---	---	1990	263	725	257	1200	302
13	---	---	---	---	---	---	949	243	623	247	1900	309
14	---	---	---	---	---	---	915	240	613	252	1180	303
15	---	---	---	---	---	---	520	234	832	255	1860	288
16	---	---	---	---	---	---	696	233	946	253	1700	290
17	---	---	---	---	---	---	669	236	1190	254	981	285
18	---	---	---	---	---	---	844	231	666	257	582	275
19	---	---	---	---	---	---	1160	234	1350	254	1120	268
20	---	---	---	---	---	---	1160	238	1370	271	1390	323
21	---	---	---	---	---	---	290	228	1890	287	1500	326
22	---	---	---	---	715	273	340	233	1980	309	1270	269
23	---	---	---	---	459	266	455	232	1980	302	712	268
24	---	---	---	---	462	277	421	230	1140	285	765	271
25	---	---	---	---	368	253	631	233	1320	295	922	285
26	---	---	---	---	621	245	363	231	1300	301	880	286
27	---	---	---	---	1460	279	407	233	848	280	578	275
28	---	---	---	---	3200	310	484	234	1180	290	819	270
29	---	---	---	---	3520	293	414	233	---	---	1230	280
30	---	---	---	---	2310	267	532	237	---	---	380	182
31	---	---	---	---	491	269	594	242	---	---	270	191
MONTH	---	---	---	---	3520	245	2420	228	1980	225	2450	182

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	269	230	392	292	2350	500	322	145	178	166	312	255
2	276	255	412	292	2430	473	293	256	182	166	318	278
3	386	258	397	288	2550	443	301	279	171	161	308	240
4	337	264	331	284	2790	437	323	193	166	161	289	241
5	370	261	406	286	2650	399	361	221	165	162	268	221
6	320	264	444	288	2550	394	356	329	203	161	308	218
7	332	268	553	290	2720	380	364	330	200	160	311	130
8	356	272	503	290	2730	391	375	319	167	146	150	130
9	403	278	701	289	2960	398	345	308	152	144	142	99
10	401	282	1120	291	3020	410	392	293	165	144	143	95
11	487	287	1080	293	3180	429	412	253	147	135	145	142
12	456	291	1250	294	3460	567	321	276	154	145	150	143
13	455	295	1580	301	2570	607	342	267	153	113	143	133
14	477	296	1300	308	2250	555	345	325	139	111	140	72
15	406	298	1190	313	2190	558	299	217	140	111	---	---
16	370	295	1000	321	2340	607	243	211	160	120	---	---
17	365	298	948	326	2430	612	231	204	137	117	---	---
18	319	296	837	319	2570	500	218	193	152	96	---	---
19	322	302	864	325	2720	455	216	209	132	125	---	---
20	352	292	1100	332	2950	448	224	208	149	127	105	74
21	372	286	1480	343	3390	453	209	195	165	148	160	73
22	348	283	2000	352	3120	432	307	178	198	133	150	72
23	436	284	2170	362	2790	400	282	270	182	134	80	72
24	499	286	2010	369	1890	381	281	252	182	165	137	80
25	537	291	2580	372	442	331	257	230	206	132	154	78
26	420	291	2790	394	553	331	239	215	152	131	96	79
27	431	291	3100	413	419	345	218	196	207	150	140	74
28	622	299	2790	425	392	352	202	192	245	195	95	72
29	363	297	3000	426	432	361	194	187	262	209	100	79
30	383	290	2070	488	384	284	193	179	279	239	129	100
31	---	---	1720	455	---	---	213	173	304	252	---	---
MONTH	622	230	3100	284	3460	284	412	145	304	96	318	72
YEAR	3520	72										

MANATEE RIVER BASIN

023000095 MANATEE RIVER AT RYE, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD DECEMBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	12.3	10.6	20.0	18.2	24.7	23.2
2	---	---	---	---	---	---	12.0	10.9	20.5	19.2	24.5	23.3
3	---	---	---	---	---	---	12.9	10.8	19.8	18.2	24.6	23.7
4	---	---	---	---	---	---	12.2	10.8	18.3	17.2	24.6	23.6
5	---	---	---	---	---	---	11.3	9.7	18.0	16.9	23.6	21.5
6	---	---	---	---	---	---	11.8	10.6	17.4	14.9	22.1	19.7
7	---	---	---	---	---	---	12.8	10.6	17.4	14.7	20.7	18.4
8	---	---	---	---	---	---	13.9	11.5	19.7	15.7	20.0	17.5
9	---	---	---	---	---	---	14.4	12.8	20.3	17.0	19.9	17.3
10	---	---	---	---	---	---	13.1	11.1	20.9	18.3	20.9	19.0
11	---	---	---	---	---	---	13.8	11.4	22.5	19.3	21.5	19.4
12	---	---	---	---	---	---	15.0	12.5	23.3	20.8	22.5	20.1
13	---	---	---	---	---	---	15.3	13.3	24.2	21.6	23.2	22.0
14	---	---	---	---	---	---	15.7	13.3	24.0	22.0	22.8	22.3
15	---	---	---	---	---	---	17.0	14.0	23.7	21.7	24.0	22.5
16	---	---	---	---	---	---	17.8	15.1	23.5	21.9	24.1	23.5
17	---	---	---	---	---	---	18.3	16.4	23.0	22.0	24.6	23.7
18	---	---	---	---	---	---	18.9	17.2	22.7	21.1	23.9	22.6
19	---	---	---	---	---	---	19.7	17.8	22.4	19.7	22.9	21.7
20	---	---	---	---	---	---	19.9	18.2	22.5	19.9	22.8	21.7
21	---	---	---	---	13.6	12.9	18.2	15.4	22.7	20.9	22.2	20.6
22	---	---	---	---	13.6	12.5	16.1	13.9	22.8	20.7	21.3	19.3
23	---	---	---	---	15.3	12.7	15.2	12.9	22.9	21.3	21.5	19.2
24	---	---	---	---	15.8	13.6	14.9	12.3	23.6	21.8	21.8	19.4
25	---	---	---	---	16.5	14.2	14.2	12.2	23.9	22.4	22.5	20.1
26	---	---	---	---	16.9	14.5	14.7	11.9	24.2	22.8	22.4	21.0
27	---	---	---	---	17.0	14.9	13.7	11.9	25.4	23.0	22.9	20.2
28	---	---	---	---	18.3	16.2	14.5	12.1	24.9	23.2	22.6	20.0
29	---	---	---	---	18.3	16.2	15.8	13.3	---	---	21.9	18.7
30	---	---	---	---	16.2	14.7	16.9	14.7	---	---	20.9	17.9
31	---	---	---	---	14.8	12.1	18.4	16.4	---	---	22.0	20.5
MONTH	---	---	---	---	18.3	12.1	19.9	9.7	25.4	14.7	24.7	17.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.9	20.8	23.3	21.9	29.5	28.3	27.7	23.5	29.2	28.0	29.9	27.4
2	23.1	20.1	24.7	22.2	29.9	27.0	29.2	26.1	28.1	26.9	29.6	27.3
3	22.5	20.4	24.1	23.1	30.8	28.0	30.1	27.6	27.2	26.6	29.9	27.7
4	23.7	21.4	25.1	22.4	30.6	28.5	29.4	26.0	27.5	26.7	29.6	28.1
5	24.7	22.3	25.5	23.3	29.8	28.5	29.7	26.4	28.2	26.8	29.3	27.8
6	24.9	23.1	26.0	23.8	29.2	28.1	29.7	27.7	29.0	27.3	29.0	26.0
7	25.4	23.2	25.7	23.9	29.6	27.7	30.1	27.7	28.6	25.8	29.7	26.2
8	25.9	24.1	25.6	24.6	30.0	28.3	30.1	28.2	28.8	27.0	29.3	28.4
9	26.6	24.6	25.1	24.2	30.4	28.8	29.2	27.8	28.1	27.2	29.0	28.4
10	26.4	24.8	24.9	23.8	30.7	29.2	29.2	27.3	29.2	27.3	29.0	28.5
11	26.7	25.0	24.8	23.7	30.8	29.6	27.8	26.4	29.3	27.9	28.8	28.3
12	27.0	25.5	25.2	23.5	31.6	29.8	27.6	26.5	29.4	28.1	28.6	27.9
13	27.3	25.9	26.0	24.3	31.9	30.0	28.3	26.5	29.3	27.0	27.9	27.1
14	27.8	26.1	26.3	24.8	31.4	30.0	29.3	27.7	28.6	27.0	27.1	24.7
15	28.0	26.3	26.9	25.5	31.2	29.2	29.0	28.1	27.8	27.2	---	---
16	28.2	26.0	28.3	25.7	31.7	28.8	29.7	28.4	29.3	26.5	---	---
17	26.7	24.6	28.4	25.8	32.0	29.4	29.0	26.7	30.0	27.5	---	---
18	25.8	22.7	28.2	25.7	31.1	29.4	29.3	26.2	29.6	27.7	---	---
19	24.0	20.1	28.2	25.6	30.4	28.7	29.2	28.3	29.1	28.6	---	---
20	23.1	20.5	28.3	25.8	30.3	28.4	29.8	28.1	29.7	27.3	26.1	24.7
21	23.5	21.3	28.1	26.0	29.4	28.1	28.5	27.5	29.3	26.9	27.0	24.6
22	24.3	22.2	28.9	26.8	28.1	26.6	28.9	27.1	30.2	27.1	27.0	25.6
23	25.1	23.1	29.3	27.7	26.8	25.1	28.7	27.3	29.8	27.2	27.7	25.9
24	25.6	24.2	29.4	27.3	26.8	24.9	27.7	26.9	30.3	28.3	27.9	26.5
25	25.4	24.5	29.2	27.7	28.5	25.9	28.3	27.0	29.9	28.1	27.3	25.1
26	25.7	24.0	29.2	28.0	29.2	27.1	28.7	27.4	30.0	28.0	26.0	25.2
27	25.4	23.1	28.8	27.5	29.9	27.6	28.6	27.3	29.4	28.1	26.3	24.9
28	24.2	23.0	28.8	27.5	28.5	27.4	29.3	27.4	29.8	28.1	26.4	25.5
29	23.6	22.8	29.1	27.3	28.6	26.1	29.5	27.4	30.1	28.6	26.6	25.4
30	23.1	22.2	30.7	28.1	27.5	24.0	29.2	27.2	30.9	28.2	25.9	23.6
31	---	---	31.1	28.3	---	---	28.6	27.3	30.0	28.0	---	---
MONTH	28.2	20.1	31.1	21.9	32.0	24.0	30.1	23.5	30.9	25.8	29.9	23.6
YEAR	32.0	9.7										

023000095 MANATEE RIVER AT RYE, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD DECEMBER 2000 TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	12.3	10.4	19.6	18.1	24.5	23.1
2	---	---	---	---	---	---	11.8	10.8	20.3	19.2	24.4	23.3
3	---	---	---	---	---	---	11.8	10.8	19.7	18.1	24.4	23.7
4	---	---	---	---	---	---	11.8	10.8	18.3	17.2	24.5	23.7
5	---	---	---	---	---	---	11.3	9.6	17.7	16.8	23.7	21.5
6	---	---	---	---	---	---	11.8	10.6	17.3	14.8	22.1	19.7
7	---	---	---	---	---	---	12.8	10.6	17.3	14.7	20.7	18.4
8	---	---	---	---	---	---	13.8	11.5	18.4	15.7	20.0	17.5
9	---	---	---	---	---	---	14.3	12.8	19.0	16.9	19.8	17.3
10	---	---	---	---	---	---	13.0	11.1	20.1	18.2	20.9	18.9
11	---	---	---	---	---	---	13.0	11.3	21.3	19.3	21.5	19.3
12	---	---	---	---	---	---	14.4	12.5	22.5	20.8	22.5	20.1
13	---	---	---	---	---	---	14.9	13.2	23.3	21.6	23.2	22.0
14	---	---	---	---	---	---	14.9	13.2	23.3	22.0	22.8	22.3
15	---	---	---	---	---	---	15.8	14.0	23.2	21.6	23.9	22.5
16	---	---	---	---	---	---	17.0	15.1	23.1	21.8	24.1	23.4
17	---	---	---	---	---	---	17.9	16.4	22.9	22.0	24.4	23.6
18	---	---	---	---	---	---	18.3	17.2	22.3	21.0	23.8	22.5
19	---	---	---	---	---	---	19.6	17.7	22.4	19.6	22.9	21.7
20	---	---	---	---	---	---	19.8	18.2	22.4	19.8	22.8	21.6
21	---	---	---	---	13.6	12.9	18.2	15.3	22.6	20.9	22.1	20.6
22	---	---	---	---	13.6	12.5	16.0	13.9	22.7	20.7	21.2	19.3
23	---	---	---	---	14.0	12.7	15.2	12.9	22.9	21.2	21.4	19.2
24	---	---	---	---	15.1	13.6	14.1	12.3	23.3	21.8	21.7	19.4
25	---	---	---	---	15.2	14.2	14.2	12.2	23.8	22.4	22.4	20.1
26	---	---	---	---	16.2	14.4	13.4	11.9	24.1	22.7	22.3	20.9
27	---	---	---	---	16.9	14.8	13.0	11.9	24.7	23.0	22.2	20.0
28	---	---	---	---	18.2	16.1	13.8	12.1	24.8	23.1	22.5	20.0
29	---	---	---	---	18.3	16.3	15.1	13.2	---	---	21.9	18.6
30	---	---	---	---	16.3	14.7	16.7	14.6	---	---	20.9	17.9
31	---	---	---	---	14.7	12.0	18.2	16.4	---	---	22.0	20.5
MONTH	---	---	---	---	18.3	12.0	19.8	9.6	24.8	14.7	24.5	17.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.4	20.7	23.1	21.9	29.5	28.3	27.6	23.4	29.1	28.0	29.9	27.3
2	21.8	19.9	24.6	22.1	29.9	27.0	29.1	25.9	28.1	26.9	29.6	27.2
3	22.5	20.4	24.1	23.1	30.7	27.9	30.0	27.4	27.2	26.6	29.8	27.7
4	23.7	21.3	25.1	22.2	30.5	28.4	29.2	25.7	27.5	26.7	29.6	28.0
5	24.7	22.2	25.5	23.3	29.8	28.4	29.7	26.3	28.1	26.7	29.3	27.7
6	24.9	23.1	26.0	23.8	29.1	28.1	29.7	27.7	28.9	27.3	29.0	25.9
7	25.3	23.1	25.6	23.7	29.5	27.6	30.1	27.4	28.6	25.7	29.7	26.1
8	25.9	24.0	25.5	24.6	30.0	28.3	30.0	27.9	28.8	27.0	29.3	28.3
9	26.5	24.5	25.0	24.2	30.4	28.7	29.2	27.8	28.0	27.2	28.9	28.4
10	26.4	24.7	24.8	23.8	30.6	29.2	28.9	27.2	29.2	27.2	28.9	28.5
11	26.7	25.0	24.7	23.7	30.7	29.5	27.8	26.1	29.3	27.9	28.8	28.2
12	27.0	25.3	25.2	23.5	31.5	29.7	27.6	26.3	29.3	28.1	28.6	27.9
13	27.0	25.9	26.0	24.2	31.3	29.9	28.2	26.4	29.2	27.0	27.9	27.1
14	27.5	26.1	26.3	24.7	31.3	29.9	29.2	27.6	28.6	26.9	27.1	24.8
15	27.6	26.2	26.5	25.5	31.2	29.2	28.9	28.1	27.8	27.1	---	---
16	27.8	26.0	27.5	25.6	31.6	28.8	29.4	28.4	29.2	26.5	---	---
17	26.7	24.5	28.4	25.8	32.0	29.4	29.0	27.3	29.9	27.4	---	---
18	25.7	22.5	28.1	25.7	31.0	29.4	29.0	26.5	29.6	27.6	---	---
19	23.4	20.0	28.2	25.5	30.4	28.6	29.0	28.3	29.1	28.6	---	---
20	23.0	20.4	28.2	25.8	30.3	28.3	29.5	28.1	29.6	27.3	26.0	24.7
21	23.4	21.2	28.1	25.9	29.3	28.1	28.4	27.8	29.2	26.8	26.9	24.6
22	24.2	22.0	28.9	26.7	28.1	26.5	28.9	27.5	30.1	27.0	27.0	25.5
23	25.1	23.0	29.3	27.7	26.8	25.1	28.6	27.3	29.3	27.1	27.6	25.8
24	25.6	24.1	29.3	27.1	26.7	24.9	27.6	26.9	30.1	28.2	27.8	26.2
25	25.3	24.4	29.2	27.7	28.4	25.9	28.3	27.0	29.8	27.9	27.3	25.1
26	25.7	23.9	29.2	27.9	29.1	27.0	28.7	27.4	29.9	27.8	26.0	25.2
27	25.0	22.9	28.8	27.4	29.6	27.6	28.6	27.3	29.4	27.9	26.2	24.8
28	24.0	22.9	28.7	27.5	28.5	27.3	29.3	27.4	29.8	28.0	26.3	25.5
29	23.5	22.7	28.8	27.3	28.5	26.1	29.5	27.4	30.0	28.5	26.6	25.3
30	23.0	22.2	30.3	28.0	27.3	23.9	29.1	27.2	30.5	28.1	25.6	23.6
31	---	---	31.1	28.2	---	---	28.5	27.1	29.9	27.8	---	---
MONTH	27.8	19.9	31.1	21.9	32.0	23.9	30.1	23.4	30.5	25.7	29.9	23.6
YEAR	32.0	9.6										

MANATEE RIVER BASIN

02300018 GAMBLE CREEK NEAR PARRISH, FL

LOCATION.--Lat 27°33'11", long 82°23'23", in NE ¼ sec.3, T.34 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on downstream side of bridge on Golf Course Road, 0.2 mi downstream from Frye Canal, 3.0 mi southeast of Parrish, and 5.7 mi above mouth.
DRAINAGE AREA.--50.6 mi^2.
PERIOD OF RECORD.--February 1962 to August 1994 (miscellaneous discharge measurements only); October 2000 to September 2001.
GAGE.--Water-stage recorder. Datum of gage is 7.52 ft below National Geodetic Vertical Datum of 1929 (Manatee County bench mark).
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	12	8.0	8.6	7.3	17	550	5.6	9.8	299	71	31
2	37	11	5.2	12	8.6	18	337	7.4	23	172	86	37
3	29	8.7	3.7	8.7	11	23	149	10	13	122	150	30
4	22	8.9	2.8	6.7	12	26	72	10	6.7	105	163	28
5	23	8.6	3.0	5.5	11	34	44	8.6	4.6	94	214	28
6	20	9.2	6.1	8.1	13	31	34	10	7.5	42	188	31
7	24	7.3	5.4	7.4	15	21	29	7.3	26	28	181	129
8	21	5.9	7.6	5.4	19	17	25	6.1	26	21	142	211
9	14	9.3	7.7	4.4	18	16	22	6.6	23	27	222	517
10	13	17	8.4	3.1	20	17	19	6.6	20	43	230	904
11	13	10	6.0	4.1	22	17	17	7.3	14	115	172	758
12	14	7.0	6.4	4.9	24	16	17	7.3	8.7	168	165	516
13	11	4.4	6.8	3.4	24	17	17	5.9	4.8	245	166	609
14	11	6.6	6.0	4.5	23	14	17	7.5	1.7	270	209	2520
15	9.1	8.7	5.2	5.0	21	16	15	7.7	.07	254	199	5430
16	6.5	9.0	4.9	5.0	23	14	15	4.2	.00	209	148	2450
17	8.3	8.0	8.5	4.6	18	11	14	4.5	.00	232	92	1430
18	10	6.8	14	6.0	21	15	14	5.2	.00	229	88	1030
19	12	2.7	8.7	4.2	19	16	14	5.0	.00	235	193	642
20	9.2	8.9	5.1	4.9	16	22	13	6.0	.00	166	319	329
21	13	11	5.8	6.9	20	29	13	6.2	2.5	178	270	168
22	9.4	9.6	4.9	7.3	19	24	12	7.6	7.6	622	132	135
23	11	9.8	4.0	5.2	18	16	12	12	16	684	77	155
24	11	11	2.9	5.5	17	16	12	12	40	859	56	137
25	12	9.4	2.7	7.9	17	15	12	6.2	57	746	47	105
26	12	20	2.5	12	19	14	11	4.1	53	646	41	82
27	9.5	22	1.8	12	20	16	8.6	3.0	53	462	40	68
28	11	16	1.3	13	19	13	11	3.2	70	277	39	63
29	10	13	4.9	14	---	83	11	3.7	107	152	35	97
30	10	8.8	4.6	10	---	336	6.0	3.2	121	103	33	83
31	11	---	4.4	8.8	---	461	---	6.1	---	74	32	---
TOTAL	480.0	300.6	169.3	219.1	494.9	1401	1542.6	206.1	715.97	7879	4200	18753
MEAN	15.5	10.0	5.46	7.07	17.7	45.2	51.4	6.65	23.9	254	135	625
MAX	53	22	14	14	24	461	550	12	121	859	319	5430
MIN	6.5	2.7	1.3	3.1	7.3	11	6.0	3.0	.00	21	32	28
CFSM	.31	.20	.11	.14	.35	.89	1.02	.13	.47	5.02	2.68	12.4
IN.	.35	.22	.12	.16	.36	1.03	1.13	.15	.53	5.79	3.09	13.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	15.5	10.0	5.46	7.07	17.7	45.2	51.4	6.65	23.9	254	135	625
MAX	15.5	10.0	5.46	7.07	17.7	45.2	51.4	6.65	23.9	254	135	625
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	15.5	10.0	5.46	7.07	17.7	45.2	51.4	6.65	23.9	254	135	625
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEAR - 2001**	
ANNUAL TOTAL			36361.57			
ANNUAL MEAN			99.6		99.6	
HIGHEST ANNUAL MEAN					99.6	2001
LOWEST ANNUAL MEAN					99.6	2001
HIGHEST DAILY MEAN	216	Sep 28	5430	Sep 15	5430	Sep 15 2001
LOWEST DAILY MEAN	1.3	Dec 28	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	2.9	Dec 22	.25	Jun 14	.25	Jun 14 2001
MAXIMUM PEAK FLOW			6660	Sep 15	6660	Sep 15 2001
MAXIMUM PEAK STAGE			17.33	Sep 15	17.33	Sep 15 2001
ANNUAL RUNOFF (CFSM)			1.97		1.97	
ANNUAL RUNOFF (INCHES)			26.73		26.75	
10 PERCENT EXCEEDS	22		210		211	
50 PERCENT EXCEEDS	9.1		14		14	
90 PERCENT EXCEEDS	3.9		4.7		4.8	

MANATEE RIVER BASIN

02300021 MANATEE RIVER AT FORT HAMER, FL

LOCATION.--Lat 27°31'05", long 82°25'42", in SW $\frac{1}{4}$ sec.17, T.34 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on left bank, on private dock on Upper Manatee River Road, 0.5 mi upstream from Fort Hamer, and 15 mi upstream from mouth.
DRAINAGE AREA.--216 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--March 1997 to September 1998 (gage heights only); January to September 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.84 ft, Sept. 14, 2001; minimum, 1.44 ft below NGVD, Feb. 19, 2001.
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 5.84 ft, Sept. 14; minimum, 1.44 ft below NGVD, Feb. 19.

GAGE HEIGHT, FEET, PERIOD JANUARY TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	1.08	-.42	1.57	-.50
2	---	---	---	---	---	---	---	---	.18	-.84	1.71	-.40
3	---	---	---	---	---	---	---	---	.70	-1.37	1.99	-.46
4	---	---	---	---	---	---	---	---	1.11	-1.29	2.01	-.25
5	---	---	---	---	---	---	---	---	1.14	-1.30	2.06	-.38
6	---	---	---	---	---	---	---	---	1.43	-1.43	1.92	-.70
7	---	---	---	---	---	---	---	---	1.48	-1.34	1.64	-1.05
8	---	---	---	---	---	---	---	---	1.51	-1.39	1.53	-.96
9	---	---	---	---	---	---	---	---	1.43	-1.24	1.90	-.53
10	---	---	---	---	---	---	---	---	1.43	-1.03	2.28	-.29
11	---	---	---	---	---	---	---	---	1.14	-1.04	1.61	-.42
12	---	---	---	---	---	---	---	---	1.11	-.77	1.52	-.36
13	---	---	---	---	---	---	---	---	1.06	-.87	1.93	-.28
14	---	---	---	---	---	---	---	---	1.06	-.84	1.46	-.39
15	---	---	---	---	---	---	---	---	1.18	-.84	1.96	-.39
16	---	---	---	---	---	---	---	---	1.24	-.93	1.78	-.28
17	---	---	---	---	---	---	---	---	1.53	-.98	1.21	-.43
18	---	---	---	---	---	---	---	---	.69	-1.32	.94	-.93
19	---	---	---	---	---	---	---	---	1.61	-1.44	1.44	-.80
20	---	---	---	---	---	---	---	---	1.56	-.92	1.82	.24
21	---	---	---	---	---	---	---	---	1.59	-.79	1.86	.29
22	---	---	---	---	---	---	---	---	1.76	-.69	1.60	-.61
23	---	---	---	---	---	---	---	---	1.82	-.60	1.17	-.69
24	---	---	---	---	---	---	---	---	1.27	-.77	1.24	-.57
25	---	---	---	---	---	---	1.28	-1.16	1.51	-.55	1.45	-.39
26	---	---	---	---	---	---	.86	-1.33	1.52	-.44	1.42	-.56
27	---	---	---	---	---	---	.99	-1.06	1.24	-.53	1.10	-.78
28	---	---	---	---	---	---	1.15	-.98	1.50	-.36	1.48	-.78
29	---	---	---	---	---	---	.98	-.74	---	---	2.65	-.59
30	---	---	---	---	---	---	1.09	-.32	---	---	2.37	-.12
31	---	---	---	---	---	---	1.16	-.14	---	---	1.88	-.16
MONTH	---	---	---	---	---	---	1.28	-1.33	1.82	-1.44	2.65	-1.05

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

GAGE HEIGHT, FEET, PERIOD JANUARY TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.36	-.35	1.20	-1.21	1.65	-.16	1.60	-.20	1.75	-.81	2.28	-.07
2	1.23	-.68	1.17	-.77	1.92	-.18	1.85	-.35	1.94	-.45	2.35	.01
3	1.74	-.87	1.17	-.63	1.77	-.46	1.96	-.50	2.60	.08	2.28	.10
4	1.82	-.60	.91	-.68	1.86	-.61	2.22	-.50	2.60	.08	2.22	-.02
5	1.85	-.50	1.27	-.64	1.82	-.68	2.46	-.24	2.50	.09	2.14	.04
6	1.68	-.50	1.40	-.75	1.87	-.77	2.23	-.52	2.14	-.30	1.80	-.07
7	1.55	-.52	1.68	-.83	1.97	-.74	2.14	-.56	1.81	-.22	1.92	.12
8	1.63	-.41	1.46	-.88	1.82	-.74	2.17	-.56	1.89	-.19	2.09	.37
9	1.82	-.44	1.82	-.73	1.85	-.69	1.96	-.40	1.76	.08	2.09	.43
10	1.76	-.56	2.20	-.71	1.83	-.66	2.15	-.37	1.60	.19	2.09	.33
11	2.11	-.55	1.97	-.52	1.76	-.60	1.43	-.06	1.52	.06	1.78	-.02
12	1.91	-.40	1.92	-.59	1.61	-.27	1.62	.10	1.68	.27	2.27	.13
13	1.87	-.49	2.05	-.43	1.12	-.28	1.62	.37	1.59	-.15	2.34	.31
14	1.92	-.54	1.67	-.47	1.08	-.41	1.63	.33	2.01	-.13	5.84	1.36
15	1.64	-.36	1.60	-.48	1.11	-.45	1.69	.01	2.34	-.21	5.11	3.28
16	1.42	-.38	1.45	-.10	1.25	-.27	1.63	-.10	2.59	-.27	3.28	1.56
17	1.28	-.62	1.45	-.04	1.29	-.49	2.16	-.29	2.49	-.46	2.59	.71
18	.67	-1.02	1.46	-.02	1.49	-.70	2.35	-.28	2.62	-.13	2.65	.29
19	.85	-1.06	1.61	-.04	1.60	-.90	2.54	-.29	3.10	.10	2.50	.35
20	1.14	-.83	1.84	-.14	1.77	-.82	2.47	-.45	2.77	-.01	2.48	.28
21	1.23	-.54	2.14	-.08	2.07	-.90	2.84	-.05	2.40	-.13	2.81	.36
22	1.05	-.73	2.28	-.20	2.05	-.87	3.12	.21	2.14	-.11	2.41	.09
23	1.53	-.53	2.51	-.25	2.08	-.86	3.81	1.39	1.83	.03	2.17	.09
24	1.75	-.58	2.24	-.61	2.01	-.77	2.32	.60	1.73	.00	2.15	.25
25	1.82	-.68	2.52	-.61	1.79	-.80	1.81	.46	1.78	-.24	2.29	.06
26	1.37	-1.07	2.46	-.44	1.51	-.75	1.62	.28	1.69	-.25	1.56	-.28
27	1.39	-1.34	2.34	-.46	1.09	-.78	1.46	.16	1.70	-.29	1.79	-.02
28	1.74	-1.19	1.95	-.46	1.01	-.62	1.37	-.25	1.69	-.46	2.06	.11
29	.99	-.93	1.87	-.45	1.35	-.24	1.31	-.37	1.89	-.36	1.97	-.17
30	1.10	-1.23	1.32	-.32	1.50	-.31	1.65	-.37	2.01	-.27	1.44	-.09
31	---	---	1.34	-.44	---	---	1.64	-.63	2.21	-.19	---	---
MONTH	2.11	-1.34	2.52	-1.21	2.08	-.90	3.81	-.63	3.10	-.81	5.84	-.28
YEAR	5.84	-1.44										

MANATEE RIVER BASIN

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1997 to September 1998; January to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 1.0 ft below the surface and 1.0 ft above the bottom.
REMARKS.--Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 37,200 microsiemens, Mar. 29, 2001, bottom probe maximum, 38,600 microsiemens, Feb. 19, 20, 2001: top probe minimum, 87 microsiemens, Jan. 23, 1998; bottom probe minimum, 87 microsiemens, Jan. 23, 1998.
TEMPERATURE.--Top probe maximum, 35.0°C, June 18, 1998; bottom probe maximum, 34.9°C, July 2, 1998; top probe minimum, 13.0°C, Jan. 1, 1998, Jan. 26, 2001; bottom probe minimum, 12.4°C, Jan. 1, 1998.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 37,200 microsiemens, Mar. 29, bottom probe maximum, 38,600 microsiemens, Feb. 19, 20; top probe minimum, 92 microsiemens, Sept. 16; bottom probe minimum, 93 microsiemens, Sept. 16.
TEMPERATURE.--Top probe maximum, 34.4°C, Aug. 29; bottom probe maximum, 33.9°C, June 17; top probe minimum, 13.0°C, Jan. 26; bottom probe minimum, 13.0°C, Jan. 26.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	32100	19100	33300	16100
2	---	---	---	---	---	---	---	---	26800	15000	33700	16500
3	---	---	---	---	---	---	---	---	29900	18300	35700	14900
4	---	---	---	---	---	---	---	---	32600	19100	34300	18400
5	---	---	---	---	---	---	---	---	32800	16000	35100	16300
6	---	---	---	---	---	---	---	---	34200	17600	33700	14200
7	---	---	---	---	---	---	---	---	35000	17000	32800	11400
8	---	---	---	---	---	---	---	---	35500	20800	32300	13000
9	---	---	---	---	---	---	---	---	35300	18100	33900	16800
10	---	---	---	---	---	---	---	---	35200	15500	37100	18400
11	---	---	---	---	---	---	---	---	33100	18100	32200	18600
12	---	---	---	---	---	---	---	---	32500	12100	31800	19500
13	---	---	---	---	---	---	---	---	31400	12900	34800	19200
14	---	---	---	---	---	---	---	---	31800	16200	31600	17500
15	---	---	---	---	---	---	---	---	32600	13400	34400	15900
16	---	---	---	---	---	---	---	---	32900	12900	33100	18900
17	---	---	---	---	---	---	---	---	34100	12700	30600	16100
18	---	---	---	---	---	---	---	---	28600	14500	28100	17400
19	---	---	---	---	---	---	---	---	35100	19500	31800	18100
20	---	---	---	---	---	---	---	---	33700	19800	33900	23400
21	---	---	---	---	---	---	---	---	34300	17800	34100	23300
22	---	---	---	---	---	---	---	---	35500	18900	32100	15900
23	---	---	---	---	---	---	---	---	36000	19000	29900	14100
24	---	---	---	---	---	---	---	---	32100	16700	29900	16700
25	---	---	---	---	---	---	34100	19900	33600	20400	31400	18300
26	---	---	---	---	---	---	32000	19300	34200	19000	31100	17800
27	---	---	---	---	---	---	32000	19500	31700	17500	29500	15900
28	---	---	---	---	---	---	33000	18700	33100	18300	32500	15600
29	---	---	---	---	---	---	32100	18100	---	---	37200	8340
30	---	---	---	---	---	---	32500	22900	---	---	8340	944
31	---	---	---	---	---	---	32000	23000	---	---	1410	704
MONTH	---	---	---	---	---	---	34100	18100	36000	12100	37200	704

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1170	599	24700	9950	>32800	25300	12700	1220	660	410	11500	1830
2	1080	614	23900	13300	>32800	24500	9540	1170	730	350	12000	2020
3	1500	709	24400	14700	>32800	21800	8990	1310	350	250	11500	2560
4	3050	1030	22700	14600	>32800	21800	12100	1350	450	320	11900	2780
5	3530	1310	23900	15700	>32800	22300	9240	752	510	350	11600	2720
6	4370	1560	24900	15500	>32800	21900	5710	742	440	350	10000	2480
7	5820	1800	27700	16200	>32900	19300	8870	926	510	390	9500	1060
8	7210	2090	26100	15900	>32900	18200	10600	1210	520	350	4960	423
9	9770	2400	29600	16800	>33000	17700	9000	1610	360	270	591	239
10	10600	2530	32800	17400	>33000	17600	9940	1010	360	240	261	207
11	14100	2580	32200	19100	>33100	17600	5920	1090	330	230	282	206
12	13800	3170	31200	18800	33100	19500	2830	840	240	180	322	230
13	14200	3490	32800	17900	31500	20400	1350	670	330	180	281	175
14	14900	3690	31100	20300	31700	20000	670	490	3550	220	197	112
15	12600	4280	30900	20600	31400	21000	490	390	3200	231	127	98
16	12400	4360	30300	21700	32300	24000	550	410	244	183	119	92
17	12700	4290	30500	22200	32700	23700	610	410	335	185	142	103
18	9800	3870	30300	22700	33400	23200	880	470	361	226	182	117
19	12600	3910	31400	23500	33400	22700	660	440	327	167	202	160
20	14500	4850	32500	23700	33500	23100	820	460	663	243	222	169
21	15200	6850	32800	24200	33500	22400	2680	490	590	269	250	168
22	14800	7340	>32800	24200	33600	20000	540	250	603	316	352	205
23	18500	8670	>32800	22700	33600	15100	270	250	672	373	258	163
24	20700	8900	>32800	20900	32800	13700	300	260	837	463	425	212
25	21800	8910	>32800	20500	29700	11600	340	290	1100	571	442	266
26	18700	8270	>32800	22400	26200	8770	360	280	832	481	328	191
27	21600	7180	>32800	22500	21900	7520	380	280	1220	586	373	218
28	24700	8260	>32800	23100	20500	5800	410	340	1940	663	256	116
29	18800	9790	>32800	22600	21200	4160	440	300	4760	804	310	209
30	21400	9170	32400	23500	19600	3600	560	390	7500	998	403	268
31	---	---	32700	23700	---	---	740	450	10600	1360	---	---
MONTH	24700	599	32800	9950	33600	3600	12700	250	10600	167	12000	92
YEAR	37200	92										

> Actual value is known to be greater than the value shown

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	33600	24900	34000	20500
2	---	---	---	---	---	---	---	---	31700	19000	34500	21100
3	---	---	---	---	---	---	---	---	31700	17300	37200	20400
4	---	---	---	---	---	---	---	---	34200	19500	35600	21900
5	---	---	---	---	---	---	---	---	34900	19100	36900	19600
6	---	---	---	---	---	---	---	---	36100	17600	35000	15800
7	---	---	---	---	---	---	---	---	37100	18800	34400	12500
8	---	---	---	---	---	---	---	---	38000	19500	33200	13100
9	---	---	---	---	---	---	---	---	37000	20100	35200	17500
10	---	---	---	---	---	---	---	---	37100	21100	37600	19000
11	---	---	---	---	---	---	---	---	35300	19300	33300	19300
12	---	---	---	---	---	---	---	---	34000	20100	33100	20000
13	---	---	---	---	---	---	---	---	33100	20400	35600	20100
14	---	---	---	---	---	---	---	---	33800	18800	32300	19700
15	---	---	---	---	---	---	---	---	34400	21300	36000	20900
16	---	---	---	---	---	---	---	---	34400	20700	34600	20900
17	---	---	---	---	---	---	---	---	35100	19600	31500	20500
18	---	---	---	---	---	---	---	---	31100	18000	32200	17100
19	---	---	---	---	---	---	---	---	38600	15100	34200	18800
20	---	---	---	---	---	---	---	---	38600	17800	34600	24900
21	---	---	---	---	---	---	---	---	36900	18900	34700	24800
22	---	---	---	---	---	---	---	---	37900	20900	34000	19400
23	---	---	---	---	---	---	---	---	38200	21800	31200	16700
24	---	---	---	---	---	---	---	---	34500	20400	31500	17800
25	---	---	---	---	---	---	36400	20400	36100	21100	32900	19800
26	---	---	---	---	---	---	34300	17900	35400	22600	32400	19100
27	---	---	---	---	---	---	35000	19500	32900	21500	30500	17600
28	---	---	---	---	---	---	35400	19200	33800	21500	33600	17600
29	---	---	---	---	---	---	33800	22400	---	---	37700	8390
30	---	---	---	---	---	---	34600	26000	---	---	8390	1090
31	---	---	---	---	---	---	34100	25700	---	---	1730	883
MONTH	---	---	---	---	---	---	36400	17900	38600	15100	37700	883

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1380	800	25200	10200	>32800	25700	12900	1520	760	420	11200	1690
2	1290	820	24600	13100	>32800	25000	9740	1470	750	350	12200	1890
3	1790	886	24800	14900	>32800	22300	8890	1610	350	260	11700	2380
4	3330	1200	23100	14900	>32800	21800	11200	1660	460	330	12000	2600
5	3840	1560	24700	15900	>32800	22500	9400	1140	510	350	11900	2560
6	4820	1800	26200	15500	>32800	22000	6130	1120	430	350	10700	2290
7	6240	2060	28500	16300	>32800	20400	8660	1310	510	400	9790	1000
8	7770	2440	28100	16100	>32900	20400	10500	1590	510	350	5640	400
9	10200	2650	31100	17500	>32900	20400	8950	2000	360	270	580	191
10	11000	2770	32800	17500	>33000	19800	10500	2070	360	250	219	162
11	15000	2790	32800	19100	>33000	19400	6190	1120	340	240	247	164
12	14000	3390	32800	19100	33000	21300	2970	870	240	180	277	195
13	15000	3460	32800	20400	33000	21500	1550	670	340	190	240	179
14	15400	3680	31700	20800	32200	22000	670	500	3580	220	200	114
15	13200	4290	31200	20700	31700	21800	500	400	3340	240	129	98
16	12700	4380	30800	22300	33200	24300	550	420	240	180	122	93
17	13000	4240	30700	22800	33200	25000	620	420	340	190	142	103
18	10300	3810	30600	23400	33200	23400	920	470	358	220	185	116
19	12900	3870	31700	24000	33300	23000	680	430	334	160	206	151
20	15700	4860	32800	23900	33300	23000	830	450	627	234	224	167
21	16600	6910	32800	24500	33300	22700	2820	500	553	256	251	168
22	15900	7320	>32800	24400	33400	21000	560	250	592	304	356	207
23	19300	8700	>32800	22700	33400	19200	280	250	662	356	264	166
24	21200	9030	>32800	21000	32100	16800	300	260	814	449	430	216
25	22700	9040	>32800	20500	31500	13800	350	290	1070	552	450	267
26	19800	8330	>32800	22700	28900	11500	360	290	808	453	331	191
27	22300	7220	>32800	23100	23800	9710	390	280	1180	562	376	222
28	25800	8420	>32800	22800	19800	6110	430	350	1990	626	260	117
29	20500	10100	>32800	23300	19900	7540	450	300	5230	755	319	212
30	23000	9330	32800	24400	19300	3790	560	390	8090	941	412	273
31	---	---	32800	23900	---	---	750	460	11200	1320	---	---
MONTH	25800	800	32800	10200	33400	3790	12900	250	11200	160	12200	93
YEAR	38600	93										

> Actual value is known to be greater than the value shown

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	22.5	20.3	26.5	23.0
2	---	---	---	---	---	---	---	---	21.8	19.9	26.6	24.0
3	---	---	---	---	---	---	---	---	19.9	17.8	26.3	24.3
4	---	---	---	---	---	---	---	---	18.5	17.5	25.7	23.8
5	---	---	---	---	---	---	---	---	19.1	17.4	23.8	20.5
6	---	---	---	---	---	---	---	---	18.5	15.2	20.7	18.5
7	---	---	---	---	---	---	---	---	20.1	16.3	19.5	17.5
8	---	---	---	---	---	---	---	---	20.6	17.5	20.7	16.8
9	---	---	---	---	---	---	---	---	21.5	18.7	20.5	17.9
10	---	---	---	---	---	---	---	---	22.5	19.9	21.9	19.6
11	---	---	---	---	---	---	---	---	23.7	21.0	22.7	20.3
12	---	---	---	---	---	---	---	---	24.5	22.3	24.1	21.0
13	---	---	---	---	---	---	---	---	24.7	22.5	24.2	23.3
14	---	---	---	---	---	---	---	---	24.9	21.6	23.8	22.4
15	---	---	---	---	---	---	---	---	25.0	20.8	25.0	23.0
16	---	---	---	---	---	---	---	---	25.1	21.3	24.9	24.2
17	---	---	---	---	---	---	---	---	24.7	21.5	26.0	23.5
18	---	---	---	---	---	---	---	---	23.6	21.3	24.4	22.4
19	---	---	---	---	---	---	---	---	22.3	20.8	22.9	21.9
20	---	---	---	---	---	---	---	---	23.5	20.3	22.9	21.9
21	---	---	---	---	---	---	---	---	23.5	21.7	22.0	20.0
22	---	---	---	---	---	---	---	---	24.2	21.8	21.3	18.5
23	---	---	---	---	---	---	---	---	25.0	22.5	22.8	19.0
24	---	---	---	---	---	---	---	---	25.0	22.5	23.2	19.6
25	---	---	---	---	---	---	15.8	13.7	25.3	23.2	23.7	21.3
26	---	---	---	---	---	---	15.8	13.0	26.2	24.0	23.9	22.0
27	---	---	---	---	---	---	15.5	13.3	26.8	24.3	23.2	20.9
28	---	---	---	---	---	---	16.8	13.3	26.6	24.5	22.7	20.1
29	---	---	---	---	---	---	18.0	14.3	---	---	22.7	19.7
30	---	---	---	---	---	---	19.5	17.1	---	---	20.4	18.2
31	---	---	---	---	---	---	20.9	18.5	---	---	21.7	20.2
MONTH	---	---	---	---	---	---	20.9	13.0	26.8	15.2	26.6	16.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.8	20.6	24.3	21.8	30.7	29.6	28.9	26.8	29.3	27.6	33.2	30.3
2	23.4	20.5	25.5	22.6	31.0	28.1	30.8	25.9	27.7	25.7	31.5	29.8
3	23.2	20.4	25.3	23.3	32.2	29.3	31.9	27.8	27.0	25.8	31.8	29.4
4	24.5	21.5	26.1	22.7	32.0	29.9	31.0	28.3	27.1	25.7	31.5	30.0
5	25.8	22.7	26.5	23.7	31.2	29.5	30.5	27.6	27.8	25.8	31.4	29.2
6	26.2	23.7	26.8	24.1	30.3	28.8	31.2	27.7	28.7	26.7	31.2	29.2
7	26.4	24.1	26.5	24.0	31.2	28.3	31.8	29.2	29.0	26.4	31.5	28.8
8	27.3	25.1	25.7	24.1	31.8	28.9	31.7	29.5	29.9	27.4	29.8	27.8
9	28.0	25.8	25.4	23.2	32.2	29.9	30.2	28.7	29.7	27.2	28.8	27.0
10	28.3	26.2	25.5	23.0	32.5	30.1	30.8	28.7	30.3	26.8	28.6	27.1
11	28.2	26.2	25.6	23.1	32.4	30.4	29.5	27.5	30.5	27.8	29.0	27.5
12	28.5	26.5	26.6	23.5	32.4	30.6	28.3	27.5	29.9	28.0	28.1	26.7
13	29.1	27.1	26.8	24.6	33.0	30.9	28.0	27.4	30.3	27.9	26.9	26.3
14	29.7	27.5	27.7	25.6	33.4	31.0	29.3	27.1	29.7	27.1	26.6	23.3
15	29.0	27.8	28.0	26.4	33.5	30.6	29.1	27.4	29.2	27.8	23.9	23.1
16	29.9	27.6	29.3	26.9	33.5	30.6	29.7	27.2	29.9	27.9	24.7	23.2
17	28.2	26.3	30.1	27.1	33.9	30.5	28.8	27.6	31.1	28.2	26.4	24.0
18	26.7	23.7	30.1	27.4	32.3	30.4	29.6	26.7	31.7	28.2	27.2	24.6
19	25.7	22.0	30.2	27.4	31.7	29.2	29.4	27.5	29.6	27.7	27.5	25.3
20	26.0	22.3	30.2	27.7	31.8	28.6	30.3	27.5	30.4	27.1	27.7	25.8
21	25.7	22.8	29.2	27.9	31.2	28.8	29.3	27.2	30.2	27.4	27.4	26.0
22	26.3	23.3	30.3	27.8	30.1	27.1	27.7	26.0	30.8	27.9	28.6	26.8
23	27.5	24.0	30.8	28.7	28.3	25.3	27.8	26.4	31.8	29.1	29.2	26.3
24	27.2	24.6	31.0	28.5	28.2	24.9	27.6	26.1	32.5	29.8	29.0	27.7
25	26.8	25.7	30.0	28.2	29.9	25.8	28.4	26.3	33.1	30.5	28.9	27.9
26	27.8	24.9	30.2	28.2	30.9	27.2	29.5	26.6	32.5	30.8	28.4	26.5
27	25.8	23.6	30.0	28.6	31.0	27.6	28.6	26.6	32.3	30.9	26.6	25.8
28	24.9	23.6	30.4	28.8	29.7	27.6	30.4	27.4	33.0	31.3	26.4	25.5
29	24.2	23.0	30.5	28.6	30.3	26.4	30.9	27.7	34.4	31.1	27.1	25.3
30	23.3	22.2	32.2	29.2	30.3	26.7	31.5	29.3	33.9	31.3	27.2	24.1
31	---	---	32.5	29.6	---	---	30.8	28.4	32.0	30.7	---	---
MONTH	29.9	20.4	32.5	21.8	33.9	24.9	31.9	25.9	34.4	25.7	33.2	23.1
YEAR	34.4	13.0										

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JANUARY TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	21.7	20.2	26.6	24.8
2	---	---	---	---	---	---	---	---	21.5	19.8	26.5	25.3
3	---	---	---	---	---	---	---	---	20.9	18.2	26.3	25.1
4	---	---	---	---	---	---	---	---	18.6	17.7	25.7	24.1
5	---	---	---	---	---	---	---	---	18.8	17.3	24.2	20.6
6	---	---	---	---	---	---	---	---	18.3	15.3	20.7	18.7
7	---	---	---	---	---	---	---	---	19.7	16.1	19.5	17.5
8	---	---	---	---	---	---	---	---	20.3	17.4	20.3	17.5
9	---	---	---	---	---	---	---	---	21.2	18.6	20.2	17.8
10	---	---	---	---	---	---	---	---	22.5	19.9	21.8	19.6
11	---	---	---	---	---	---	---	---	23.8	21.2	22.7	20.3
12	---	---	---	---	---	---	---	---	24.4	22.4	23.9	21.2
13	---	---	---	---	---	---	---	---	24.5	22.5	24.2	23.3
14	---	---	---	---	---	---	---	---	24.3	22.9	23.7	23.2
15	---	---	---	---	---	---	---	---	24.9	23.6	24.9	23.2
16	---	---	---	---	---	---	---	---	25.0	23.7	24.8	24.0
17	---	---	---	---	---	---	---	---	24.7	23.4	25.1	24.5
18	---	---	---	---	---	---	---	---	23.5	21.8	24.7	22.4
19	---	---	---	---	---	---	---	---	22.9	19.9	23.3	22.0
20	---	---	---	---	---	---	---	---	22.4	20.5	22.7	21.9
21	---	---	---	---	---	---	---	---	23.5	21.7	21.9	19.8
22	---	---	---	---	---	---	---	---	24.0	21.7	21.2	18.9
23	---	---	---	---	---	---	---	---	24.8	22.4	22.4	19.1
24	---	---	---	---	---	---	---	---	24.7	22.5	23.2	20.0
25	---	---	---	---	---	---	15.8	13.9	25.2	23.3	23.6	21.2
26	---	---	---	---	---	---	16.0	13.0	26.3	24.0	23.7	22.1
27	---	---	---	---	---	---	15.7	13.6	26.7	24.3	23.6	20.7
28	---	---	---	---	---	---	16.6	14.0	26.6	24.6	23.0	20.1
29	---	---	---	---	---	---	18.0	15.2	---	---	22.7	19.6
30	---	---	---	---	---	---	19.3	17.2	---	---	20.3	18.2
31	---	---	---	---	---	---	20.8	18.8	---	---	21.7	20.1
MONTH	---	---	---	---	---	---	20.8	13.0	26.7	15.3	26.6	17.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.7	20.5	23.9	21.9	30.8	29.5	28.9	26.7	29.2	27.6	31.9	30.3
2	23.0	20.4	25.4	22.6	30.9	28.2	29.8	25.8	27.6	25.6	31.4	29.7
3	23.0	20.3	25.0	23.3	32.1	29.3	30.9	27.7	26.9	25.7	31.6	29.3
4	24.1	21.5	26.1	22.6	31.9	29.9	30.7	28.2	27.0	25.6	31.4	29.9
5	25.6	22.6	26.4	23.6	31.2	29.4	30.4	27.5	27.7	25.8	31.3	29.1
6	26.2	23.6	26.7	24.0	30.3	28.7	31.0	27.6	28.5	26.5	31.2	29.2
7	26.3	24.0	26.4	24.0	31.1	28.2	31.7	29.1	28.5	26.4	31.3	28.7
8	27.2	25.0	25.7	24.1	31.7	29.0	31.6	29.4	29.8	27.3	29.8	27.8
9	27.9	25.7	25.3	23.2	32.0	30.1	30.2	28.7	29.5	27.1	28.7	27.0
10	28.3	26.2	25.3	23.1	32.3	30.5	30.8	28.6	29.1	26.7	28.5	27.0
11	28.1	26.1	25.5	23.5	32.3	30.6	29.3	27.5	30.2	27.7	28.9	27.4
12	28.4	26.4	25.8	23.5	32.4	30.4	28.2	27.4	29.8	28.0	28.0	26.6
13	28.9	27.1	26.7	24.4	32.9	30.7	27.9	27.4	30.2	27.8	26.8	26.3
14	29.5	27.4	27.6	25.5	33.0	30.8	29.1	27.0	29.6	27.1	26.5	23.2
15	28.9	27.6	27.9	26.2	33.3	30.6	29.1	27.3	29.1	27.8	23.8	23.0
16	29.1	27.5	28.8	26.7	33.4	30.4	29.6	27.2	29.8	27.9	24.6	23.2
17	28.1	26.4	29.6	27.2	33.9	30.5	28.7	27.5	30.9	28.2	26.3	23.9
18	27.2	23.7	30.0	27.6	32.2	30.2	29.5	26.6	31.6	28.1	26.6	24.6
19	25.6	21.9	30.1	27.4	31.0	29.0	29.3	27.4	29.5	27.6	27.4	25.2
20	25.6	22.2	30.0	27.6	31.4	28.6	30.2	27.4	30.3	27.1	27.3	25.8
21	25.6	22.7	29.1	27.9	31.2	28.8	29.2	27.1	30.1	27.4	27.4	25.9
22	26.3	23.2	30.2	27.7	30.1	27.3	27.6	25.9	30.7	27.8	28.3	26.8
23	27.1	23.9	30.7	28.7	28.4	25.9	27.7	26.3	31.7	29.1	28.3	26.2
24	27.1	24.7	30.9	28.4	27.9	26.0	27.5	26.0	32.0	29.7	28.9	27.6
25	26.9	25.6	29.9	28.0	29.5	26.5	28.1	26.2	31.7	30.4	28.8	27.8
26	27.4	24.8	30.1	28.4	30.7	27.9	29.2	26.6	32.0	30.7	28.3	26.4
27	25.8	23.5	29.9	28.4	30.5	28.3	28.5	26.5	32.1	30.8	26.5	25.7
28	24.8	23.0	30.2	28.5	29.6	27.7	30.3	27.2	32.9	31.2	26.3	25.5
29	24.1	22.9	30.6	28.5	29.6	27.4	30.8	27.6	33.2	31.0	26.7	25.3
30	23.0	21.9	30.8	29.1	29.6	27.5	30.6	29.2	33.2	31.2	27.0	24.1
31	---	---	32.4	29.5	---	---	30.6	28.3	31.9	30.7	---	---
MONTH	29.5	20.3	32.4	21.9	33.9	25.9	31.7	25.8	33.2	25.6	31.9	23.0
YEAR	33.9	13.0										

MANATEE RIVER BASIN

02300032 BRADEN RIVER NEAR LORRAINE, FL

LOCATION.--Lat 27°25'20", long 82°25'00", in SE ¼ sec.20, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, 0.7 mi south of State Highway 70, 1.4 mi southwest of Lorraine, and 14.8 mi upstream from mouth.
DRAINAGE AREA.--25.8 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is 3.79 ft below National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	.71	2.4	2.4	2.1	.64	101	e.46	.21	154	29	2.9
2	13	.67	1.7	2.2	1.8	.64	58	e.30	.22	522	28	2.5
3	11	.64	1.4	2.4	1.7	.62	29	.22	.22	234	105	2.5
4	9.6	.68	1.4	2.3	1.4	.73	19	.22	.29	207	92	3.5
5	8.4	.69	1.4	2.3	1.3	.94	13	.21	.46	506	77	7.2
6	12	.69	1.4	2.3	1.3	1.2	9.7	.20	.21	232	76	19
7	14	1.3	1.2	2.2	1.3	1.3	7.5	.17	.20	93	122	72
8	7.4	.88	1.1	2.0	1.4	1.1	6.0	.16	.21	51	106	114
9	5.3	.72	1.0	2.0	1.2	.95	4.7	.16	.21	47	e138	73
10	4.2	.74	.99	1.9	1.1	.85	3.8	.16	.22	66	e110	44
11	3.9	.83	1.1	2.4	1.0	.81	3.2	.16	.22	128	e88	42
12	3.8	.83	1.3	2.4	1.0	.77	2.6	.16	.23	194	e400	46
13	e3.4	.83	1.5	2.3	1.1	.73	2.2	.16	.24	141	e200	85
14	e3.0	.83	1.2	2.2	1.0	.73	1.9	.15	.33	178	e90	1530
15	e2.8	.87	1.1	2.1	1.0	.73	1.6	.15	.26	166	45	e1000
16	e2.6	.85	1.1	1.9	1.0	.73	1.4	.15	.22	121	28	e800
17	e2.4	.83	1.1	1.5	1.0	.73	1.3	.15	.23	83	19	303
18	e1.9	.86	1.1	1.4	1.0	.69	1.2	.15	.45	65	36	157
19	e1.7	.86	1.1	1.4	1.0	.66	1.1	.15	.54	59	322	95
20	e1.6	.83	1.3	1.7	.98	1.1	1.1	.14	3.7	85	225	60
21	e1.4	.82	1.4	2.1	.94	1.9	1.1	.14	3.1	135	98	45
22	e1.2	.76	1.5	2.3	.96	2.1	1.0	.14	9.4	1080	52	40
23	e1.1	.76	1.3	2.3	.92	1.7	.99	.22	41	1150	32	36
24	e1.2	.78	1.2	1.9	.88	1.2	.94	.19	96	1130	21	38
25	e1.1	.82	1.1	1.7	.81	.99	.88	.15	63	394	14	37
26	e.90	2.1	1.1	1.6	.75	.91	.83	.16	27	251	10	40
27	.76	2.9	1.3	1.6	.69	.83	.77	.16	14	140	12	36
28	.73	3.1	1.7	1.6	.68	.77	e.71	.17	20	90	9.5	35
29	.68	2.7	2.8	1.6	---	3.9	e.62	.18	25	101	6.3	33
30	.69	2.4	2.5	1.9	---	200	e.54	.18	23	61	4.6	27
31	.72	---	2.5	2.1	---	178	---	.19	---	39	3.5	---
TOTAL	139.48	33.28	44.29	62.0	31.31	408.95	277.68	5.66	330.37	7903	2598.9	4825.6
MEAN	4.50	1.11	1.43	2.00	1.12	13.2	9.26	.18	11.0	255	83.8	161
MAX	17	3.1	2.8	2.4	2.1	200	101	.46	96	1150	400	1530
MIN	.68	.64	.99	1.4	.68	.62	.54	.14	.20	39	3.5	2.5
CFSM	.17	.04	.06	.08	.04	.51	.36	.01	.43	9.88	3.25	6.23
IN.	.20	.05	.06	.09	.05	.59	.40	.01	.48	11.40	3.75	6.96

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	26.1	24.0	17.0	18.6	16.2	22.6	16.3	14.9	46.5	81.4	71.0	75.1
MAX	114	208	172	90.1	100	160	61.6	154	264	255	164	161
(WY)	1991	1998	1998	1998	1998	1998	1993	1991	1992	2001	1995	2001
MIN	4.50	.79	1.00	.54	.37	.35	.25	.16	.28	7.72	10.3	4.43
(WY)	2001	1997	1997	1997	1997	1997	1999	2000	2000	2000	1996	1996

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	4082.46		16660.52			
ANNUAL MEAN	11.2		45.6		35.9	
HIGHEST ANNUAL MEAN					74.0	1998
LOWEST ANNUAL MEAN					12.0	2000
HIGHEST DAILY MEAN	432	Sep 18	1530	Sep 14	2930	Jun 26 1992
LOWEST DAILY MEAN	.08	May 28	.14	May 20	.08	May 28 2000
ANNUAL SEVEN-DAY MINIMUM	.10	May 28	.15	May 16	.10	May 28 2000
MAXIMUM PEAK FLOW			2570	Sep 14	3120	Jun 26 1992
MAXIMUM PEAK STAGE			27.11	Sep 14	27.90	Jun 26 1992
ANNUAL RUNOFF (CFSM)	.43		1.77		1.39	
ANNUAL RUNOFF (INCHES)	5.89		24.02		18.91	
10 PERCENT EXCEEDS	19		103		81	
50 PERCENT EXCEEDS	1.4		1.6		5.9	
90 PERCENT EXCEEDS	.22		.22		.69	

MANATEE RIVER BASIN

02300034 HICKORY HAMMOCK CREEK NEAR LORRAINE, FL

LOCATION.--Lat 27°25'18", long 82°25'56", in SW $\frac{1}{4}$ sec.20, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on left bank, on upstream side of culvert on River Club Boulevard, 0.3 mi upstream from Braden River, 0.8 mi south of State Highway 70, 2.4 mi southwest of Lorraine, and 11.4 mi southwest of Bradenton.
DRAINAGE AREA.--2.40 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (from private engineering firm). Prior to Oct. 28, 1992, at site 250 ft downstream at same datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	.49	.44	.50	.50	.30	9.7	.28	.39	10	3.2	1.7
2	1.7	.48	.43	.53	.44	.29	5.0	.27	.40	25	4.4	1.5
3	1.6	.49	.45	.56	.39	.30	3.1	.27	.42	7.1	9.5	1.4
4	1.7	.48	.45	.55	.39	.44	2.2	.27	.44	4.8	6.8	2.9
5	e1.8	.49	.45	.51	.36	.65	1.7	.26	.39	14	5.3	4.8
6	e2.2	.48	.45	.50	.36	.55	1.4	.22	.43	4.2	6.2	3.8
7	e2.7	.48	.43	.48	.46	.50	1.2	.21	.56	2.8	6.2	5.0
8	e2.0	.48	.44	.51	.44	.51	1.1	.21	.54	2.3	13	22
9	e1.7	.46	.44	.52	.38	.41	1.1	.21	.59	2.5	29	20
10	e1.4	.48	.42	.51	.36	.37	.96	.20	.58	2.5	16	11
11	e1.3	.45	.44	.51	.36	.35	.87	.23	.56	2.9	11	7.5
12	e1.2	.45	.45	.51	.35	.32	.76	.24	.54	3.5	7.4	7.0
13	e1.1	.45	.45	.60	.34	.31	.68	.24	e.58	3.8	5.5	9.6
14	e1.0	.49	.45	.68	.33	.33	.62	.24	e.57	9.7	4.5	129
15	e.97	.49	.48	.91	.34	.31	.63	.24	e.56	6.3	3.6	134
16	e.92	.49	.51	.93	.34	.31	.62	.24	e.56	3.8	3.1	64
17	e.82	.51	.56	.66	.33	.31	.60	.27	e.52	2.9	2.7	25
18	e.70	.54	.58	.60	.33	.29	.55	.27	e.58	2.4	4.6	12
19	e.64	.49	.62	.70	.32	.39	.53	.27	e.70	2.9	6.4	7.0
20	e.62	.51	.64	.72	.31	.41	.51	.27	e.94	3.1	4.5	5.0
21	e.64	.49	.59	.57	.31	.42	.43	.28	e.70	15	3.5	4.2
22	e.66	.48	.60	.48	.31	.41	.42	.27	e1.2	79	2.8	3.6
23	e.68	.49	.58	.43	.29	.36	.40	.36	e2.3	71	2.4	3.3
24	e.74	.43	.58	.41	.29	.32	.39	.32	e10	64	2.1	3.2
25	e.64	.48	.66	.41	.29	.30	.40	.33	e5.0	33	1.9	4.3
26	.55	.53	.66	.50	.29	.30	.34	.32	e3.2	27	1.7	3.9
27	.54	.48	.57	.64	.29	.29	.32	.32	2.3	15	1.7	3.9
28	.53	.45	.61	.66	.29	.30	.31	.34	4.7	9.1	1.7	4.1
29	.52	.45	.51	.81	---	3.7	.31	.36	6.1	6.4	1.5	3.7
30	.51	.43	.48	.80	---	28	.31	.36	4.0	4.8	1.5	3.3
31	.49	---	.46	.61	---	15	---	.35	---	3.7	1.7	---
TOTAL	34.57	14.39	15.88	18.31	9.79	57.05	37.46	8.52	50.35	444.5	175.4	511.7
MEAN	1.12	.48	.51	.59	.35	1.84	1.25	.27	1.68	14.3	5.66	17.1
MAX	2.7	.54	.66	.93	.50	28	9.7	.36	10	79	29	134
MIN	.49	.43	.42	.41	.29	.29	.31	.20	.39	2.3	1.5	1.4
CFSM	.46	.20	.21	.25	.15	.77	.52	.11	.70	5.97	2.36	7.11
IN.	.54	.22	.25	.28	.15	.88	.58	.13	.78	6.89	2.72	7.93

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	2.51	1.81	1.80	2.30	1.81	2.13	1.49	.89	3.00	5.18	6.68	7.56
MAX	8.61	13.9	15.1	10.6	11.4	13.9	5.87	5.12	19.1	14.3	18.1	17.5
(WY)	1991	1998	1998	1998	1998	1998	1993	1991	1992	2001	1999	1989
MIN	.50	.12	.26	.084	.18	.31	.16	.094	.13	.65	.41	.32
(WY)	1989	1992	1989	1992	1991	1997	1990	1990	1990	1993	1996	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1989 - 2001**	
ANNUAL TOTAL	429.76		1377.92			
ANNUAL MEAN	1.17		3.78		3.10	
HIGHEST ANNUAL MEAN					6.98	1998
LOWEST ANNUAL MEAN					1.22	2000
HIGHEST DAILY MEAN	26	Sep 18	134	Sep 15	247	Jun 26 1992
LOWEST DAILY MEAN	.24	Feb 13	.20	May 10	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.25	Feb 29	.22	May 6	.00	Jan 8 1991
MAXIMUM PEAK FLOW			175	Sep 14	280	Jun 26 1992
MAXIMUM PEAK STAGE			17.18	Sep 14	18.45	Jun 26 1992
ANNUAL RUNOFF (CFSM)	.49		1.57		1.29	
ANNUAL RUNOFF (INCHES)	6.66		21.36		17.56	
10 PERCENT EXCEEDS	1.8		6.6		6.4	
50 PERCENT EXCEEDS	.48		.56		.66	
90 PERCENT EXCEEDS	.30		.31		.19	

MANATEE RIVER BASIN

023000355 COOPER CREEK AT UNIVERSITY PARKWAY NEAR SARASOTA, FL

LOCATION.--Lat 27°23'18", long 82°27'35", in SW $\frac{1}{4}$ sec.36 T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on right bank near downstream side of culvert on University Parkway, 0.5 mi west of Interstate 75, 2.2 mi upstream from Braden River, and 3.5 mi southeast of Sarasota.
DRAINAGE AREA.--9.33 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is 0.72 ft below National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.8	.00	.08	.23	.00	.00	5.0	.00	.00	6.1	52	5.2
2	e3.6	.00	.06	.10	.00	.00	1.5	.00	.00	8.6	54	5.2
3	e3.3	.00	.07	.08	.00	.00	.68	.00	.00	3.5	57	3.9
4	e5.0	.00	.07	.06	.00	.00	.27	.00	.00	1.5	53	4.8
5	4.2	.00	.06	.05	.00	.23	.13	.00	.08	.95	51	9.7
6	3.7	.00	.05	.15	.00	.16	.12	.00	.00	.59	56	9.8
7	3.3	.00	.04	.07	.00	.03	.10	.00	.01	.41	51	9.3
8	2.7	.00	.03	.06	.00	.00	.10	.00	.00	.34	52	10
9	2.0	.00	.02	.33	.00	.00	.08	.00	.00	.53	e60	13
10	1.1	.01	.03	.20	.00	.00	.07	.00	.00	.59	e50	17
11	.66	.14	.04	.11	.00	.00	.08	.00	.00	3.8	e47	33
12	.45	.07	.12	.21	.00	.00	.08	.00	.00	5.4	e40	55
13	.29	.04	.10	.07	.00	.00	.05	.00	.00	4.5	e37	60
14	.19	.03	.08	.06	.00	.00	.04	.00	.00	6.2	e31	192
15	.12	.02	.06	.05	.00	.00	.04	.00	.00	3.7	26	205
16	.10	.03	.05	.04	.00	.00	.04	.00	.00	4.0	22	185
17	.08	.02	.07	.03	.00	.00	.04	.00	.00	5.9	18	168
18	.06	.00	.09	.03	.00	.00	.02	.00	.00	3.2	21	140
19	.05	.00	.07	.03	.00	.00	.00	.00	.00	2.0	34	116
20	.04	.07	.07	.13	.00	.00	.00	.00	.15	1.6	30	98
21	.04	.08	.06	.21	.00	.00	.00	.00	.03	6.0	29	84
22	.03	.04	.04	.12	.00	.00	.00	.00	.04	e170	28	78
23	.03	.01	.02	.09	.00	.00	.00	.00	3.1	e135	25	80
24	.02	.00	.02	.08	.00	.00	.00	.00	2.8	e115	22	72
25	.02	.01	.01	.06	.00	.00	.00	.00	1.0	e88	18	66
26	.01	.62	.01	.05	.00	.00	.00	.00	.39	87	15	61
27	.00	.59	.00	.04	.00	.00	.00	.00	.11	86	12	58
28	.00	.38	.21	.03	.00	.00	.00	.00	3.5	81	10	53
29	.00	.24	.85	.02	---	.70	.00	.00	8.5	75	8.4	47
30	.00	.11	.56	.02	---	19	.00	.00	3.2	66	7.0	40
31	.00	---	.36	.01	---	6.4	---	.00	---	59	5.9	---
TOTAL	34.89	2.51	3.40	2.82	0.00	26.52	8.44	0.00	22.91	1031.41	1022.3	1978.9
MEAN	1.13	.084	.11	.091	.000	.86	.28	.000	.76	33.3	33.0	66.0
MAX	5.0	.62	.85	.33	.00	19	5.0	.00	8.5	170	60	205
MIN	.00	.00	.00	.01	.00	.00	.00	.00	.00	.34	5.9	3.9
CFSM	.12	.01	.01	.01	.00	.09	.03	.00	.08	3.57	3.53	7.07
IN.	.14	.01	.01	.01	.00	.11	.03	.00	.09	4.11	4.08	7.89

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	12.1	7.69	4.67	5.37	5.63	5.29	3.85	3.28	6.11	14.5	20.6	21.6
MAX	21.1	51.3	36.8	24.4	38.4	41.8	14.9	20.1	22.0	33.3	42.4	66.0
(WY)	1991	1998	1998	1998	1998	1998	1993	1991	1996	2001	1999	2001
MIN	1.13	.084	.10	.053	.000	.004	.000	.000	.000	.74	1.97	.93
(WY)	2001	2001	2000	2000	1997	2000	1999	1999	2000	2000	2000	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1989 - 2001**	
ANNUAL TOTAL	474.95		4134.10			
ANNUAL MEAN	1.30		11.3		9.25	
HIGHEST ANNUAL MEAN					20.9	1998
LOWEST ANNUAL MEAN					1.92	2000
HIGHEST DAILY MEAN	64	Sep 25	205	Sep 15	240	Jun 26 1992
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 22	.00	Oct 27	.00	Apr 21 1989
MAXIMUM PEAK FLOW			255	Sep 14	258	Jun 25 1992
MAXIMUM PEAK STAGE			21.26	Sep 14	21.26	Sep 14 2001
ANNUAL RUNOFF (CFSM)	.14		1.21		.99	
ANNUAL RUNOFF (INCHES)	1.89		16.48		13.47	
10 PERCENT EXCEEDS	1.5		50		25	
50 PERCENT EXCEEDS	.03		.06		3.4	
90 PERCENT EXCEEDS	.00		.00		.00	

MANATEE RIVER BASIN

02300037 CEDAR CREEK NEAR SARASOTA, FL

LOCATION.--Lat 27°24'51", long 82°28'53", in NE ¼ sec.27, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, at Palm Aire Country Club subdivision, 0.5 mi upstream from Braden River, 1.8 mi north of University Parkway, and 5.8 mi northeast of Sarasota.
DRAINAGE AREA.--0.94 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is 10.09 ft below National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	e.72	.69	.80	.55	.35	16	.41	.05	18	4.9	1.0
2	2.0	e.69	.67	.78	.53	.35	8.6	.41	.11	45	6.4	.78
3	1.7	e.68	.67	.78	.48	.34	6.0	.37	.05	e32	15	.71
4	1.6	e.66	.67	e.83	.43	.50	4.7	.35	.51	e22	10	1.0
5	1.6	e.65	.67	e.80	.40	.61	3.6	.30	13	e28	8.0	2.4
6	1.6	e.64	e.62	e.76	.38	.52	2.8	.27	8.0	e40	24	2.7
7	1.7	e.65	e.59	e.75	.35	.45	2.3	.31	2.3	e35	12	6.4
8	1.5	e.66	e.60	e.74	.44	.42	2.1	.34	1.2	e26	8.8	5.3
9	1.4	e.65	e.62	e.78	.53	.42	1.9	.25	.68	e24	20	5.2
10	1.4	.79	e.63	.83	.55	.42	1.7	.14	.48	e18	18	4.0
11	1.2	.91	e.61	e.85	.60	.40	1.6	.17	.39	e15	10	9.2
12	1.2	.80	e.62	e.88	.48	.41	1.5	.18	.30	14	6.6	17
13	1.1	.78	.67	e.94	.41	.47	1.5	.19	.24	12	4.8	13
14	1.1	.78	.72	e1.0	.39	.52	1.4	.19	.25	e12	4.1	e167
15	1.0	.79	e.73	e1.0	.36	.54	1.4	.26	.25	e9.0	3.1	130
16	1.0	.78	e.78	e1.0	.34	.53	1.2	.27	.26	e8.8	2.5	58
17	.97	.78	e.80	e.94	.31	.54	.93	.28	.29	e10	2.0	26
18	.94	.78	e.82	e.87	.25	.49	.72	.19	.33	e14	2.0	14
19	e.88	.78	e.84	e.86	.34	.61	.62	.08	.76	e18	4.1	8.9
20	e.85	.78	e.82	e.90	.46	.67	.51	.07	4.3	e27	4.0	6.5
21	e.84	.78	e.80	e.80	.45	.64	.45	.09	9.9	e50	2.7	5.4
22	e.83	.74	e.74	e.66	.54	.55	.41	.11	5.1	85	2.0	4.7
23	e.86	.70	e.73	.49	.55	.48	.41	.23	15	54	1.6	4.2
24	e.89	.67	e.71	.46	.42	.43	.36	.22	e5.1	43	1.4	3.5
25	.94	.70	e.70	.46	.35	.38	.36	.21	12	26	1.2	3.5
26	.90	.81	e.69	.42	.33	.36	.35	.14	6.5	26	1.1	2.9
27	.83	.89	.72	.42	.33	.36	.32	.08	4.7	19	.90	2.9
28	e.77	.75	.80	.45	.35	.34	.28	.06	17	11	.72	3.0
29	e.75	.72	1.0	.59	---	7.1	.30	.05	28	8.6	.68	2.7
30	e.74	.72	.89	.62	---	49	.33	.05	14	6.5	1.9	2.0
31	e.72	---	.83	.65	---	21	---	.04	---	5.4	1.5	---
TOTAL	36.31	22.23	22.45	23.11	11.90	90.20	64.65	6.31	151.05	762.3	186.00	513.89
MEAN	1.17	.74	.72	.75	.42	2.91	2.15	.20	5.04	24.6	6.00	17.1
MAX	2.5	.91	1.0	1.0	.60	49	16	.41	28	85	24	167
MIN	.72	.64	.59	.42	.25	.34	.28	.04	.05	5.4	.68	.71
CFSM	1.25	.79	.77	.79	.45	3.10	2.29	.22	5.36	26.2	6.38	18.2
IN.	1.44	.88	.89	.91	.47	3.57	2.56	.25	5.98	30.17	7.36	20.34

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	2.34	2.10	1.52	1.81	1.34	1.82	1.34	.98	3.10	5.80	5.93	6.52
MAX	6.34	15.0	13.3	7.99	8.28	11.8	3.58	4.62	14.8	24.6	17.6	17.1
(WY)	1996	1998	1998	1998	1998	1998	1997	1991	1992	2001	1999	2001
MIN	.10	.000	.015	.011	.23	.25	.13	.028	.16	1.13	1.41	.37
(WY)	1992	1992	1992	1992	1994	1989	1989	1989	1998	1989	1990	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1989 - 2001**	
ANNUAL TOTAL	837.99		1890.40			
ANNUAL MEAN	2.29		5.18		2.89	
HIGHEST ANNUAL MEAN					6.42	1998
LOWEST ANNUAL MEAN					.84	1990
HIGHEST DAILY MEAN	45	Sep 17	167	Sep 14	167	Sep 14 2001
LOWEST DAILY MEAN	.14	Mar 7	.04	May 31	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.15	Mar 4	.06	May 28	.00	Mar 30 1989
MAXIMUM PEAK FLOW			256	Sep 14	256	Sep 14 2001
MAXIMUM PEAK STAGE			21.25	Sep 14	21.47	Jun 25 1992
ANNUAL RUNOFF (CFSM)	2.44		5.51		3.08	
ANNUAL RUNOFF (INCHES)	33.16		74.81		41.78	
10 PERCENT EXCEEDS	5.1		14		6.3	
50 PERCENT EXCEEDS	.69		.78		.76	
90 PERCENT EXCEEDS	.24		.30		.15	

MANATEE RIVER BASIN

02300038 RATTLESNAKE SLOUGH NEAR SARASOTA, FL

LOCATION.--Lat 27°25'24", long 82°29'25", in SW ¼ sec.22, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on right bank, at Palm Aire Country Club subdivision, 0.6 mi upstream from Braden River, 2.4 mi north of University Parkway, and 5.2 mi northeast of Sarasota.
DRAINAGE AREA.--3.78 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is 13.82 ft below National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark).
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	.00	.79	.16	.12	.04	23	e.00	.00	48	21	.00
2	2.8	.00	.94	.15	.11	.04	11	e.00	.00	84	20	.00
3	2.3	.00	.59	.11	.10	.03	7.3	e.00	.00	25	49	.00
4	2.3	.00	.47	.09	.10	.08	5.2	e.00	.00	11	24	.06
5	2.1	.00	.33	.08	.10	.26	4.0	e.00	17	6.4	16	4.2
6	1.8	.00	.31	.10	.09	.21	2.9	e.00	16	4.0	24	2.7
7	1.4	.00	.27	.11	.08	.12	2.2	e.00	7.6	2.7	15	2.1
8	1.3	.00	.26	.10	.07	.09	e1.5	e.00	5.3	2.5	14	3.8
9	1.0	.00	.24	.10	.06	.07	e1.1	.00	2.1	4.7	29	7.9
10	.68	.02	.23	.10	.06	.07	e.80	.00	e1.0	11	15	8.2
11	.46	.37	.24	.08	.06	.07	e.50	.00	.24	13	9.2	13
12	.30	.17	.24	.08	.06	.07	e.40	.00	.04	19	6.3	32
13	.23	.10	.27	.08	.05	.06	e.30	.00	.00	20	4.7	25
14	.18	.09	.27	.35	.05	.06	e.20	.00	.00	25	3.5	310
15	.15	.26	.24	.13	.05	.06	e.20	.00	.00	19	3.0	283
16	.09	.20	.24	.08	.05	.06	e.10	.00	.00	16	2.5	197
17	.05	.14	.25	.09	.05	.06	e.08	.00	.00	25	2.2	e120
18	.03	.14	.22	.12	.05	.05	e.06	.00	.03	14	1.7	e74
19	.00	.14	.17	.34	.05	.08	e.05	.00	2.2	8.6	1.8	e55
20	.00	.11	.14	.26	.04	.12	e.04	.00	4.3	6.4	1.9	e38
21	.00	.11	.12	.14	.04	.12	e.03	.00	27	5.9	1.3	e26
22	.00	.10	.11	.12	.04	.13	e.03	.00	11	203	.90	e19
23	.00	.09	.21	.11	.05	.15	e.02	.00	24	147	.61	e14
24	.03	.09	.18	.11	.05	.08	e.02	.00	41	95	.38	e9.5
25	.07	.10	.13	.10	.04	.05	e.02	.00	19	44	.22	e7.7
26	.05	.66	.11	.10	.04	.05	e.02	.00	8.2	46	.13	e7.0
27	.01	1.1	.09	.10	.04	.04	e.01	.00	5.3	34	.09	e6.0
28	.00	.84	.12	.10	.03	.03	e.01	.00	34	17	.06	e5.6
29	.00	.63	.26	.10	---	17	e.01	.00	93	12	.03	e5.0
30	.00	.63	.24	.11	---	81	e.01	.00	38	8.7	.00	e4.3
31	.00	---	.19	.12	---	44	---	.00	---	13	.00	---
TOTAL	20.43	6.09	8.47	3.92	1.73	144.35	61.11	0.00	356.31	990.9	267.52	1280.06
MEAN	.66	.20	.27	.13	.062	4.66	2.04	.000	11.9	32.0	8.63	42.7
MAX	3.1	1.1	.94	.35	.12	81	23	.00	93	203	49	310
MIN	.00	.00	.09	.08	.03	.03	.01	.00	.00	2.5	.00	.00
CFSM	.17	.05	.07	.03	.02	1.23	.54	.00	3.14	8.46	2.28	11.3
IN.	.20	.06	.08	.04	.02	1.42	.60	.00	3.51	9.75	2.63	12.60

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	4.53	2.77	3.53	4.14	2.54	4.00	2.44	1.45	6.83	8.62	8.65	12.0
MAX	16.5	21.4	31.0	26.2	16.4	28.9	7.40	8.73	32.2	32.0	21.1	42.7
(WY)	1996	1998	1998	1998	1998	1998	1993	1991	1992	2001	1992	2001
MIN	.44	.002	.000	.000	.062	.19	.016	.000	.003	2.22	1.66	.63
(WY)	1992	1992	1992	1992	2001	1997	1989	1990	1990	1993	1990	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1989 - 2001**	
ANNUAL TOTAL	1333.71		3140.89			
ANNUAL MEAN	3.64		8.61		5.13	
HIGHEST ANNUAL MEAN					12.7	1998
LOWEST ANNUAL MEAN					1.78	1990
HIGHEST DAILY MEAN	89	Sep 17	310	Sep 14	481	Jun 26 1992
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 28	.00	Oct 28	.00	Feb 17 1989
MAXIMUM PEAK FLOW			473	Sep 14	567	Jun 26 1992
MAXIMUM PEAK STAGE			25.53	Sep 14	26.13	Jun 26 1992
ANNUAL RUNOFF (CFSM)	.96		2.28		1.36	
ANNUAL RUNOFF (INCHES)	13.13		30.91		18.44	
10 PERCENT EXCEEDS	8.2		20		12	
50 PERCENT EXCEEDS	.31		.13		1.0	
90 PERCENT EXCEEDS	.01		.00		.00	

MANATEE RIVER BASIN

02300039 NONSENSE CREEK NEAR BRADENTON, FL

LOCATION.--Lat 27°26'04", long 82°28'04", in SE ¼ sec.14, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, 0.7 mi south of State Highway 70, 0.9 mi upstream from Ward Lake, and 9.0 mi southeast of Bradenton.
DRAINAGE AREA.--1.14 mi^2.
PERIOD OF RECORD.--July 1988 to current year.
GAGE.--Water-stage recorder. Datum of gage is 3.66 ft below National Geodetic Vertical Datum of 1929. Prior to Aug. 5, 1993, at site 110 ft downstream at same datum.
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.2	e.00	.00	.00	.86	.00	e44	.00	.00	11	2.9	.00
2	e1.8	e.00	.00	.00	.73	.00	e14	.00	.00	15	4.3	.00
3	.48	e.00	.00	.03	.49	.00	e5.0	.00	.00	6.5	9.0	.00
4	.45	e.00	.01	.01	.37	.10	e2.4	.00	.00	4.8	4.8	.00
5	.41	e.00	.03	.05	.23	.03	1.6	.00	.00	3.6	3.5	.01
6	1.1	e.00	.04	e.00	.61	.00	1.1	.00	.00	3.1	15	.12
7	1.7	e.00	.02	e.00	.33	.00	.59	.00	.00	2.6	6.0	.69
8	.73	.01	.00	e.09	.21	.00	.27	.00	.00	1.6	12	1.5
9	.34	.74	.00	e2.0	.19	.00	.12	.00	.00	1.6	41	3.5
10	.11	.70	.00	3.2	.15	.00	.05	.00	.00	2.5	11	3.5
11	.05	.31	.07	3.3	.04	.00	.03	.00	.00	3.2	5.2	2.9
12	.05	.04	.00	2.5	.20	.00	.00	.00	.00	3.5	2.9	4.1
13	.03	.03	.00	3.7	.21	.00	.00	.00	.00	4.2	1.9	5.8
14	.00	.00	.00	3.0	.15	.00	.00	.00	.00	10	1.4	278
15	.00	.00	.00	1.9	.09	.00	.00	.00	.00	7.6	.89	156
16	.00	.00	.00	.65	.22	.00	.00	.00	.00	6.9	.85	50
17	.00	.00	.00	e1.1	.17	.00	.00	.00	.00	7.2	.70	13
18	.00	.04	.01	3.5	.03	.00	.00	.00	.00	4.1	.52	6.6
19	.65	.00	.00	3.8	.14	.00	.00	.00	.00	2.8	.48	4.3
20	2.4	.00	.00	4.0	.24	.00	.00	.00	1.6	2.0	.31	3.0
21	1.5	.00	.00	2.4	.08	.00	.00	.00	3.0	2.2	.32	2.0
22	1.0	.00	.01	1.2	.01	.00	.00	.00	4.0	165	.12	1.2
23	.61	.00	.00	.77	.01	.00	.00	.00	9.4	78	.04	1.2
24	.62	.01	.00	1.3	.00	.00	.00	.00	7.9	44	.01	2.9
25	.36	.01	.01	2.3	.00	.00	.00	.00	4.6	29	.00	3.0
26	e.17	.06	.00	1.1	.00	.00	.00	.00	2.7	34	.00	2.3
27	e.09	.03	.00	.43	.00	.00	.00	.00	1.8	11	.00	2.4
28	e.05	.02	.02	.34	.00	.00	.00	.00	4.0	5.7	.00	2.4
29	e.02	.02	.00	.29	---	7.2	.00	.00	8.1	3.7	.00	1.6
30	e.01	.06	.00	.17	---	95	.00	.00	4.9	2.4	.00	.84
31	e.00	---	.00	.50	---	e60	---	.00	---	2.2	.00	---
TOTAL	18.93	2.08	0.22	43.63	5.76	162.33	69.16	0.00	52.00	481.0	125.14	552.86
MEAN	.61	.069	.007	1.41	.21	5.24	2.31	.000	1.73	15.5	4.04	18.4
MAX	4.2	.74	.07	4.0	.86	95	44	.00	9.4	165	41	278
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.6	.00	.00
MED	.34	.00	.00	1.1	.16	.00	.00	.00	.00	4.2	.85	2.4
CFSM	.54	.06	.01	1.23	.18	4.59	2.02	.00	1.52	13.6	3.54	16.2
IN.	.62	.07	.01	1.42	.19	5.30	2.26	.00	1.70	15.70	4.08	18.04

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	1.57	1.07	1.56	2.04	.88	1.95	.74	.26	3.44	3.01	5.79	7.48
MAX	5.45	10.6	17.9	16.9	8.12	17.2	2.67	1.40	24.9	15.5	26.9	19.0
(WY)	1996	1998	1998	1998	1998	1998	1993	1991	1992	2001	1999	2000
MIN	.015	.000	.000	.000	.000	.001	.000	.000	.000	.054	.12	.000
(WY)	1992	1990	1994	1992	1989	1989	1989	1989	1989	1998	1993	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1989 - 2001**	
ANNUAL TOTAL	704.62		1513.11			
ANNUAL MEAN	1.93		4.15		2.49	
HIGHEST ANNUAL MEAN					6.75	1998
LOWEST ANNUAL MEAN					.33	1990
HIGHEST DAILY MEAN	70	Sep 26	278	Sep 14	368	Jun 26 1992
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 31	.00	Oct 14 1988
MAXIMUM PEAK FLOW			486	Sep 14	710	Jun 25 1992
MAXIMUM PEAK STAGE			20.52	Sep 14	21.13	Jun 25 1992
ANNUAL RUNOFF (CFSM)	1.69		3.64		2.18	
ANNUAL RUNOFF (INCHES)	22.99		49.38		29.65	
10 PERCENT EXCEEDS	2.8		4.9		3.5	
50 PERCENT EXCEEDS	.02		.03		.08	
90 PERCENT EXCEEDS	.00		.00		.00	

MANATEE RIVER BASIN

02300042 WARD LAKE OUTFALL NEAR BRADENTON, FL

LOCATION.--Lat 27°26'28", long 82°29'16", in NE $\frac{1}{4}$ sec.15, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on west shore of lake, 40 ft upstream from control structure, and 5 mi southeast of Bradenton.
DRAINAGE AREA.--59.5 mi^2, approximately.
PERIOD OF RECORD.--April 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair. Discharge affected by diversion by city of Bradenton. Records of gage height are published as elevations for Ward Lake (station 02300042) in the section of this report entitled ELEVATION OF LAKES.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	.00	.00	.00	.00	.00	240	.00	.00	259	187	36
2	52	.00	.00	.00	.00	.00	133	.00	.00	797	190	31
3	42	.00	.00	.00	.00	.00	74	.00	.00	579	339	29
4	33	.00	.00	.00	.00	.00	51	.00	.00	400	299	32
5	26	.00	.00	.00	.00	.00	39	.00	.00	593	253	88
6	32	.00	.00	.00	.00	.00	29	.00	.00	497	347	100
7	50	.00	.00	.00	.00	.00	22	.00	.00	219	313	254
8	37	.00	.00	.00	.00	.00	16	.00	.00	133	304	337
9	21	.00	.00	.00	.00	.00	9.3	.00	.00	133	739	358
10	12	.00	.00	.00	.00	.00	6.8	.00	.00	149	649	207
11	5.3	.00	.00	.00	.00	.00	4.5	.00	.00	206	416	222
12	2.8	.00	.00	.00	.00	.00	2.3	.00	.00	334	285	327
13	1.2	.00	.00	.00	.00	.00	.49	.00	.00	290	240	334
14	.34	.00	.00	.00	.00	.00	.03	.00	.00	357	240	3070
15	.06	.00	.00	.00	.00	.00	.00	.00	.00	363	187	3930
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	263	158	1900
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	222	109	828
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	182	94	500
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	135	403	352
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	195	433	274
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	266	263	233
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	1670	175	205
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	1980	146	211
24	.00	.00	.00	.00	.00	.00	.00	.00	77	1610	128	209
25	.00	.00	.00	.00	.00	.00	.00	.00	177	926	121	188
26	.00	.00	.00	.00	.00	.00	.00	.00	93	757	107	188
27	.00	.00	.00	.00	.00	.00	.00	.00	60	483	82	180
28	.00	.00	.00	.00	.00	.00	.00	.00	111	325	53	171
29	.00	.00	.00	.00	---	.00	.00	.00	292	290	46	158
30	.00	.00	.00	.00	---	7.0	.00	.00	161	234	42	139
31	.00	---	.00	.00	---	364	---	.00	---	199	38	---
TOTAL	374.70	0.00	0.00	0.00	0.00	371.00	627.42	0.00	971.00	15046	7386	15091
MEAN	12.1	.000	.000	.000	.000	12.0	20.9	.000	32.4	485	238	503
MAX	60	.00	.00	.00	.00	364	240	.00	292	1980	739	3930
IN.	.23	.00	.00	.00	.00	.23	.39	.00	.61	9.41	4.62	9.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	61.1	68.2	46.5	50.4	30.6	51.5	24.3	8.95	45.8	164	212	200
MAX	140	452	408	261	243	361	127	46.4	163	485	574	503
(WY)	1996	1998	1998	1998	1998	1998	1993	1997	1996	2001	1999	2001

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1993 - 2001**	
ANNUAL TOTAL	6378.20		39867.12			
ANNUAL MEAN	17.4		109		80.6	
HIGHEST ANNUAL MEAN					173	1998
HIGHEST DAILY MEAN	614	Sep 18	3930	Sep 15	4580	Nov 14 1997
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 16	.00	Nov 8 1992
MAXIMUM PEAK FLOW			6340	Sep 14	7350	Jun 26 1992
MAXIMUM PEAK STAGE			5.58	Sep 14	5.67	Jun 26 1992
ANNUAL RUNOFF (INCHES)	3.99		24.93		18.41	
10 PERCENT EXCEEDS	51		295		229	
50 PERCENT EXCEEDS	.00		.00		1.1	
90 PERCENT EXCEEDS	.00		.00		.00	

MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL

LOCATION.--Lat 27°26'44", long 82°29'28", in NW ¼ sec.15, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on right bank, 250 ft upstream of State Highway 70 bridge, 0.5 mi downstream from Ward Lake Outfall, 1.6 mi south of Elwood Park, 6 miles upstream from mouth, and 6.2 mi southeast of Bradenton.
DRAINAGE AREA.--59.5 mi^2, approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--April 1992 to current year (gage heights only), incomplete. Records of gage height prior to October 1993 are available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929 (Manatee County bench mark). Prior to June 5, 1998, on left bank 50 ft upstream of State Highway 70 bridge, 250 ft downstream at same datum.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.56 ft, Sept. 14, 2001; minimum, 8.38 ft, Feb. 5, 1996.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.56 ft, Sept. 14; minimum, 8.62 ft, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.87	9.84	11.86	9.70	11.14	9.21	10.40	8.98	10.98	9.41	11.34	9.41
2	11.67	9.53	11.98	9.79	11.28	9.39	10.22	8.98	10.14	9.18	11.43	9.48
3	11.56	9.58	11.71	9.79	11.09	9.58	9.67	9.07	10.65	8.79	11.66	9.43
4	12.25	10.06	11.43	9.83	10.79	9.31	10.60	9.58	11.00	8.86	11.74	9.55
5	11.75	9.85	11.62	10.07	10.91	9.53	11.52	9.09	11.02	8.87	11.84	9.61
6	11.75	10.05	11.92	10.27	11.56	9.76	11.42	9.23	11.36	8.79	11.59	9.37
7	11.86	9.89	11.82	10.13	11.52	9.62	11.91	9.11	11.39	8.85	11.40	9.09
8	11.32	9.74	12.20	10.44	11.94	9.43	11.95	9.18	11.40	8.83	11.36	9.11
9	11.02	9.09	12.33	10.26	12.16	9.36	12.02	9.15	11.33	8.89	11.76	9.40
10	10.96	9.43	12.38	10.36	12.17	9.32	11.12	8.62	11.30	9.03	12.15	9.61
11	11.28	9.65	12.13	9.64	12.30	9.28	11.58	8.96	11.01	9.06	11.47	9.48
12	11.62	9.80	12.13	9.50	12.56	9.35	11.74	9.17	10.95	9.23	11.17	9.49
13	11.76	9.69	12.24	9.42	12.28	9.21	11.18	9.01	10.91	9.13	11.68	9.60
14	11.99	9.85	12.74	9.65	12.41	9.22	11.09	9.20	10.88	9.19	11.29	9.51
15	11.96	9.71	12.04	9.25	11.95	9.18	10.84	9.28	10.97	9.15	11.68	9.49
16	12.07	9.61	11.89	9.40	11.53	9.35	11.16	9.50	11.04	9.08	11.51	9.57
17	12.25	9.71	12.04	9.71	11.94	9.74	11.12	9.40	11.38	9.03	11.03	9.49
18	12.03	9.57	11.61	9.38	10.96	9.42	11.32	9.27	10.55	8.84	10.89	9.10
19	12.00	9.55	11.65	9.82	11.71	9.70	11.51	9.29	11.47	8.78	11.25	9.21
20	11.88	9.72	11.71	9.20	11.72	9.09	11.11	9.40	11.41	9.13	11.57	10.03
21	11.94	9.72	10.50	9.16	11.22	9.20	10.63	8.65	11.45	9.20	11.62	10.13
22	11.98	9.64	11.08	8.94	10.94	9.05	10.81	8.73	11.60	9.28	11.43	9.36
23	11.78	9.67	11.32	9.26	10.89	8.70	10.83	8.77	11.64	9.40	11.01	9.28
24	11.50	9.78	12.58	9.40	10.86	8.85	10.73	8.83	11.13	9.21	11.08	9.38
25	11.89	9.89	12.59	9.81	11.13	8.65	11.13	8.96	11.35	9.35	11.25	9.49
26	12.04	10.01	12.42	9.57	11.41	8.74	10.79	8.76	11.36	9.48	11.26	9.38
27	12.17	9.92	11.90	9.20	11.76	9.28	10.88	8.96	10.99	9.40	11.01	9.21
28	12.03	9.63	11.87	9.18	12.19	9.54	11.03	9.06	11.28	9.53	11.34	9.21
29	12.33	9.75	11.56	9.15	12.22	9.36	10.83	9.14	---	---	12.48	9.33
30	12.21	9.70	11.52	9.08	11.42	9.39	10.89	9.34	---	---	12.18	9.81
31	11.96	9.53	---	---	10.64	8.88	11.01	9.65	---	---	11.67	9.80
MONTH	12.33	9.09	12.74	8.94	12.56	8.65	12.02	8.62	11.64	8.78	12.48	9.09

MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.22	9.68	11.21	8.94	11.43	9.74	11.49	10.05	11.76	9.28	12.05	9.76
2	11.13	9.30	11.14	9.27	11.73	9.68	11.83	10.22	11.94	9.69	12.11	9.81
3	11.63	9.15	11.19	9.40	11.62	9.46	11.89	9.76	12.47	9.95	12.05	9.91
4	11.78	9.35	11.00	9.35	11.75	9.41	12.15	9.65	12.46	9.91	12.01	9.82
5	11.78	9.45	11.32	9.41	11.75	9.31	12.33	9.97	12.29	9.93	11.88	9.88
6	11.64	9.47	11.47	9.31	11.75	9.21	12.18	9.63	11.94	9.70	11.57	9.77
7	11.48	9.45	11.75	9.28	11.87	9.21	12.05	9.49	11.67	9.72	11.66	9.97
8	11.54	9.51	11.54	9.21	11.70	9.21	12.05	9.49	11.74	9.75	11.84	10.13
9	11.75	9.50	11.86	9.27	11.68	9.25	11.90	9.57	11.69	10.32	11.84	10.01
10	11.70	9.40	12.16	9.28	11.62	9.30	12.00	9.65	11.45	10.24	11.82	9.66
11	11.99	9.41	11.92	9.42	11.50	9.38	11.30	9.79	11.40	9.98	11.50	9.47
12	11.73	9.51	11.84	9.36	11.41	9.60	11.50	9.99	11.47	9.80	12.09	9.86
13	11.69	9.46	11.87	9.48	11.00	9.65	11.49	10.17	11.43	9.72	12.11	9.85
14	11.79	9.40	11.47	9.44	10.95	9.54	11.51	10.26	11.89	9.69	15.56	11.11
15	11.45	9.60	11.34	9.43	10.98	9.53	11.61	9.82	12.17	9.66	13.97	12.35
16	11.32	9.54	11.17	9.70	11.13	9.66	11.58	9.73	12.41	9.60	12.51	10.84
17	11.24	9.37	11.17	9.76	11.17	9.47	12.05	9.63	12.36	9.49	12.41	10.31
18	10.61	9.12	11.20	9.79	11.37	9.32	12.19	9.47	12.51	9.61	12.45	10.12
19	10.81	9.00	11.37	9.73	11.52	9.18	12.35	9.48	12.95	10.07	12.29	10.10
20	11.10	9.20	11.59	9.64	11.69	9.26	12.38	9.51	12.64	9.93	12.30	10.06
21	11.20	9.47	11.93	9.68	11.99	9.18	12.67	9.82	12.27	9.78	12.64	10.11
22	11.03	9.27	12.03	9.57	12.02	9.16	13.28	10.06	11.95	9.80	12.24	9.97
23	11.47	9.43	12.33	9.57	11.98	9.16	13.75	11.66	11.68	9.93	11.95	9.90
24	11.65	9.37	12.10	9.31	11.98	9.26	12.27	10.87	11.55	9.88	11.99	10.01
25	11.72	9.30	12.28	9.30	11.72	9.43	11.70	10.50	11.60	9.67	12.10	9.92
26	11.32	9.11	12.25	9.40	11.36	9.33	11.51	10.31	11.51	9.69	11.42	9.63
27	11.35	8.87	12.14	9.41	11.18	9.28	11.35	9.95	11.52	9.60	11.62	9.78
28	11.71	8.94	11.76	9.43	10.99	9.37	11.25	9.61	11.51	9.42	11.92	9.98
29	11.07	9.11	11.65	9.46	11.28	9.95	11.19	9.52	11.68	9.53	11.87	9.82
30	11.12	8.96	11.15	9.57	11.39	9.72	11.53	9.54	11.78	9.60	11.37	9.85
31	---	---	11.19	9.49	---	---	11.52	9.49	11.97	9.64	---	---
MONTH	11.99	8.87	12.33	8.94	12.02	9.16	13.75	9.47	12.95	9.28	15.56	9.47
YEAR	15.56	8.62										

MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1993 to current year (incomplete). Records of specific conductance and temperature prior to October 1993 are available in files of the Geological Survey.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 3.0 ft above the bottom and 1.0 ft above the bottom. Prior to June 5, 1998, probes located 5.0 ft above the bottom, and 1.0 ft above the bottom at site on State Highway 70 bridge, 250 ft downstream.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments. Data collected at previous site on bridge is considered comparable to data collected at current site on right bank.
EXTREMES FOR PERIOD OF PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 48,900 microsiemens, June 14, 2000; bottom probe maximum, 49,200 microsiemens, June 12, 2000; top probe minimum, 101 microsiemens, Nov. 15, 1997; bottom probe minimum, 86 microsiemens, Nov. 24, 1997.
TEMPERATURE.--Top probe maximum, 38.2°C, June 5, 1998; bottom probe maximum, 35.2°C, Aug. 16, 1998; top probe minimum, 11.1°C, Feb. 5, 1996; bottom probe minimum, 12.0°C, Jan. 11, 1996.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 41,400 microsiemens, Mar. 3, 4; bottom probe maximum, 41,200 microsiemens, Mar. 2, 29; top probe minimum, 182 microsiemens, Sept. 15; bottom probe minimum, 183 microsiemens, Sept. 15, 16.
TEMPERATURE.--Top probe maximum, 34.1°C, Aug. 28; bottom probe maximum, 33.6°C, June 15; top probe minimum, 11.6°C, Jan. 5; bottom probe minimum, 12.1°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(3 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	570	455	24100	19300	30500	23500	32800	27700	36200	35400	40200	35100
2	628	451	25300	19600	30800	27900	32900	27100	35800	33700	40800	38200
3	605	474	26600	18800	30800	29100	32200	28900	35300	24400	41400	38600
4	622	494	26300	21300	29900	26400	31900	31500	34700	29900	41400	38900
5	1230	484	27000	21600	29700	26600	33500	29800	34500	26900	40800	31100
6	4230	858	28100	19100	30100	28100	34200	31400	35300	32600	39500	32800
7	3130	514	28000	23100	30200	28000	36100	32000	35500	30500	37600	34400
8	1190	575	28400	20500	32000	26900	36200	33000	35700	28200	37800	35200
9	1230	924	29300	23700	32700	28000	35900	33000	36500	34100	39100	37100
10	1630	1060	29500	23800	32800	27900	34600	32400	36700	35600	40600	36900
11	2050	1390	28300	22300	33700	26900	34700	33100	36600	35900	40300	37400
12	2780	1700	27600	22600	33900	29200	35400	34200	36900	35600	39800	38700
13	5570	2170	29400	24100	33700	29400	35300	31900	36800	35400	40000	38000
14	7210	2980	29900	23900	34000	27000	34800	31900	36900	35100	39900	37800
15	9750	4420	29500	23500	33800	28300	35000	28200	37400	32800	40500	37700
16	12100	6580	29500	24200	34200	29600	35700	31700	37800	32000	40800	40000
17	14100	9670	30500	24800	34700	23200	35800	32000	38600	35800	40500	39000
18	15200	11600	30000	24900	34300	28400	35900	31900	38400	36000	40300	38400
19	16600	13000	31000	24700	34500	28600	35800	34000	38100	31100	39900	35200
20	18300	15000	31000	25300	33800	27200	35900	32900	38600	35300	40500	36800
21	19100	14500	30000	25300	33400	28300	35500	31900	39400	34300	40200	37600
22	19100	16100	29400	15000	33600	29100	34800	33000	39600	36100	40100	36800
23	19000	17100	29300	25300	33100	29000	34600	32400	39600	37400	39400	36600
24	18600	17000	31300	22100	32700	27200	33700	27600	39700	33700	39300	37800
25	19200	17600	33000	27000	32700	26400	34300	32500	39800	34900	39700	38000
26	19800	16800	32900	28200	33000	26900	34200	26600	40100	33700	39500	36400
27	21000	16200	31200	24500	36100	27000	34400	24700	40000	36300	39400	37200
28	21400	17500	31600	26700	36800	27900	35000	31100	40200	34300	39300	37600
29	22800	17600	31200	27400	36200	28700	35200	33300	---	---	40400	4170
30	23800	17800	30300	25900	34800	26600	35800	34000	---	---	5640	2740
31	24100	18100	---	---	33600	28200	35800	34000	---	---	3020	629
MONTH	24100	451	33000	15000	36800	23200	36200	24700	40200	24400	41400	629

MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(3 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	883	631	23000	15300	36900	33700	893	625	414	315	6890	1640
2	872	617	24000	22300	37400	33900	743	548	433	348	9410	3200
3	1230	727	24300	20500	37000	31300	633	480	422	329	9390	4280
4	1490	780	23800	18900	37500	30800	646	448	452	326	9410	5150
5	1480	972	23600	20100	37300	13100	568	440	455	338	9280	2720
6	2050	1150	24200	22000	35700	17200	574	380	483	346	8630	1470
7	3540	1660	25000	23300	34700	18900	548	363	488	354	1870	510
8	4660	2240	25300	24100	34700	26800	549	380	500	375	777	381
9	5260	2760	27500	23400	34400	27600	520	366	439	351	424	341
10	5560	3820	30400	25800	34600	27500	498	362	375	314	564	351
11	9460	4070	31200	27300	35600	28400	475	337	400	309	597	342
12	12500	5930	32800	27200	36400	29400	446	351	472	309	487	341
13	14100	8170	32000	28300	36200	32100	455	356	428	318	444	342
14	13400	10600	31800	30300	35000	31100	515	368	408	317	533	233
15	15300	11000	32600	28900	34600	29700	477	368	420	315	238	182
16	14900	11700	33300	30700	35400	29700	514	374	669	316	221	184
17	14800	12000	32900	31400	35000	29700	482	375	557	332	271	202
18	14000	13000	33300	32100	34700	30400	564	378	485	374	305	222
19	14100	13500	33200	31100	34200	21800	533	385	401	320	330	245
20	15300	13600	34200	31000	32800	22300	735	394	418	316	357	250
21	16400	14900	34900	31500	30900	14200	502	401	417	301	351	263
22	17500	15300	36200	33700	30500	18000	545	326	392	302	363	264
23	18400	16200	35600	32400	31000	10600	357	250	408	327	350	277
24	20100	17900	34600	30000	27700	1460	349	242	436	352	376	282
25	20900	18300	35800	32200	3690	747	354	254	577	351	384	289
26	20200	18500	35600	32600	3430	807	382	272	525	385	379	287
27	20200	15000	35500	32600	2450	931	408	278	449	354	367	295
28	22600	15700	36300	33500	2440	985	514	293	557	360	347	291
29	22000	19900	37200	32300	1100	683	433	312	558	400	347	295
30	22300	19900	37000	31600	833	651	483	298	1000	448	383	310
31	---	---	36900	33400	---	---	491	308	4300	762	---	---
MONTH	22600	617	37200	15300	37500	651	893	242	4300	301	9410	182
YEAR	41400	182										

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	582	450	25400	18600	31300	27400	32900	28800	36100	35200	40300	37600
2	644	444	26300	18100	31700	27200	33100	30200	35500	32400	41200	37400
3	620	473	27300	21300	32300	25300	32300	30100	35000	30500	40900	40000
4	812	532	27300	22600	30200	25200	31900	31600	34400	31400	41100	40200
5	2380	638	28300	21800	29900	28100	34300	31500	34500	31000	40600	35600
6	6290	1310	28700	22800	30900	27900	35700	32400	35200	32200	39200	33800
7	6180	684	28800	21500	31100	26200	36400	32200	35400	32000	37900	34300
8	1260	647	29200	27300	32500	28200	36500	34100	35900	33400	38200	35500
9	1360	951	29600	25600	33600	28400	36000	33500	36800	35800	40800	36700
10	1870	1120	29800	24700	33700	28500	34600	30300	37100	36200	40900	39000
11	2590	1420	29200	23400	34200	31600	34800	33500	37400	36400	40700	39000
12	4040	1740	28500	22700	34500	32100	36100	34600	37400	36400	40400	39500
13	7440	2300	29900	27500	34300	31300	35200	33700	37200	36100	40400	33400
14	10200	3730	31100	25800	34300	30600	35100	33800	37300	35800	40400	39600
15	11700	4780	30300	24400	34500	29400	36000	33200	38000	36400	41000	39900
16	13200	7530	30200	26100	34500	29200	36400	32900	38400	36500	41100	40400
17	15100	10700	31500	26600	35500	27400	36200	33100	38800	35300	40800	39400
18	16300	12700	31000	28800	34400	27300	36500	33800	38600	37700	40500	38000
19	17800	13300	31400	27200	34800	31700	36100	34600	38500	35800	40100	36100
20	19300	15100	31400	28600	34400	31200	35700	34600	39400	37500	41100	36700
21	20600	15500	30200	26500	33900	32000	35400	32300	40000	38500	40600	37900
22	20500	16100	29500	26800	33900	32400	34600	32500	39900	38800	40300	37000
23	19300	16800	30000	25300	33800	30700	34400	31700	39600	39100	39500	35000
24	18900	15100	32900	25400	32900	30000	34000	32800	39700	38600	40300	32500
25	20000	15800	33900	27600	32800	27300	35000	32600	40000	39100	40600	35400
26	21500	16100	33800	27700	34500	25400	34500	30300	40000	38100	40300	29300
27	22200	14100	32500	22700	36800	29500	34700	33000	39900	39000	39800	37100
28	22700	13700	32300	25800	37500	28000	35400	33500	40200	39200	39900	38600
29	23700	13300	32200	26500	36400	29700	35200	34100	---	---	41200	15000
30	24700	19200	31400	28600	35200	28200	35600	34900	---	---	15200	3690
31	24800	18200	---	---	33700	29200	35700	35300	---	---	3690	872
MONTH	24800	444	33900	18100	37500	25200	36500	28800	40200	30500	41200	872

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1110	857	24000	21900	36400	33200	996	625	428	317	8000	1860
2	1080	838	26200	21000	37000	31900	845	549	433	356	9790	3300
3	1660	929	25300	21700	37000	33100	645	478	464	336	9970	4350
4	2200	1030	25200	20400	36900	33200	646	465	501	339	10100	5240
5	2370	1180	24700	21100	36700	28100	549	435	475	343	9860	4680
6	2660	1370	25300	23000	35400	27300	562	383	509	354	9640	1510
7	4810	1880	26300	23600	34000	25900	548	384	480	383	7170	617
8	5870	2770	25800	23600	33700	26100	552	386	526	383	1070	376
9	5960	3790	28900	23600	33700	28100	561	421	469	350	459	337
10	7260	4110	31300	25700	34000	28500	556	367	394	316	517	353
11	10900	4360	32500	26100	34700	29100	493	353	405	316	606	337
12	14400	6540	33700	27800	35500	31000	467	363	458	312	492	286
13	16200	9400	33300	29000	36000	32500	527	357	494	334	454	341
14	15900	11800	32600	29900	36000	29400	578	369	467	322	537	230
15	17700	12000	33100	29000	35400	29800	504	370	431	320	237	183
16	18400	13800	34000	31200	35900	32400	522	371	541	328	226	183
17	16200	13700	33600	31700	35400	32400	492	384	534	353	277	201
18	15200	13600	33800	32000	34800	32300	608	381	576	379	308	220
19	14400	13500	33200	32500	34600	31800	746	408	415	325	339	242
20	16000	13800	34000	32700	34200	26400	762	419	442	312	356	246
21	16400	14900	35400	32600	32700	24800	544	401	453	310	370	257
22	17700	14700	36300	30000	32000	24800	545	354	409	302	399	267
23	19500	15900	35800	33300	31800	20800	366	252	449	310	396	281
24	21000	17500	34700	32700	30900	1570	348	245	456	321	364	281
25	21800	18300	35400	30700	11500	917	349	250	554	359	417	297
26	20100	18500	35600	32700	9330	911	386	273	495	382	409	286
27	20500	18300	35300	31000	11100	1080	441	278	472	386	381	293
28	23900	19500	36100	31400	10400	983	485	295	555	371	351	293
29	22000	20500	36900	30600	1120	686	523	313	556	406	351	299
30	23200	20700	36100	31300	942	648	515	310	1770	445	386	325
31	---	---	36400	31600	---	---	471	314	5490	757	---	---
MONTH	23900	838	36900	20400	37000	648	996	245	5490	302	10100	183
YEAR	41200	183										

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(3 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.7	27.1	26.6	24.2	22.9	19.0	15.8	13.3	23.0	20.9	26.8	25.1
2	29.3	27.2	26.9	24.1	22.7	19.4	14.9	13.0	22.0	20.9	26.9	25.1
3	29.0	27.3	26.5	23.6	22.0	19.9	14.7	13.1	20.9	18.9	27.3	25.1
4	28.9	27.3	26.7	24.0	20.4	18.1	14.3	13.6	19.2	17.2	26.0	24.2
5	30.6	27.6	27.2	24.9	20.1	18.5	14.8	11.6	19.4	17.3	24.4	21.0
6	29.8	28.3	27.3	24.8	18.9	17.7	15.6	12.7	19.3	16.6	22.1	18.5
7	30.3	27.4	27.1	24.5	19.9	17.0	15.9	12.6	21.0	17.3	20.5	16.7
8	28.8	27.2	27.1	24.5	20.2	16.6	17.0	14.1	22.3	18.3	21.1	17.8
9	27.5	24.1	26.4	24.4	20.9	18.4	16.4	14.5	22.8	19.4	22.2	18.5
10	24.6	22.1	26.4	24.9	21.2	19.2	15.6	13.2	23.9	20.7	22.8	20.1
11	24.3	21.8	25.8	23.5	21.8	20.8	16.9	13.2	25.7	21.9	23.7	20.4
12	24.3	21.8	24.8	23.1	23.6	21.4	17.8	15.0	25.9	23.0	24.8	21.7
13	23.9	21.4	24.8	22.6	24.1	22.4	17.6	15.5	25.9	22.8	24.8	23.6
14	23.9	21.4	24.5	23.1	25.8	22.8	18.6	15.4	26.1	23.7	23.9	23.1
15	25.5	21.9	23.6	22.0	25.6	23.7	21.0	16.5	26.6	23.2	26.0	23.3
16	25.5	22.6	24.4	21.2	25.9	24.1	20.6	18.1	26.6	23.0	25.9	24.2
17	25.9	23.9	25.6	22.3	24.7	22.3	21.4	18.9	25.8	23.5	26.0	24.0
18	27.1	24.3	25.6	22.7	22.7	20.3	22.8	19.8	24.6	23.1	25.3	22.7
19	28.0	24.9	26.1	23.4	20.5	18.2	22.8	20.4	24.2	22.2	23.8	22.1
20	29.4	25.8	25.3	22.6	18.4	16.6	22.2	18.2	24.0	21.7	24.0	22.1
21	28.3	25.8	23.0	19.6	17.1	15.1	18.6	14.5	25.1	22.6	22.2	20.1
22	27.6	25.7	20.4	18.0	17.0	15.4	17.5	15.8	25.1	22.7	22.0	19.1
23	26.8	24.9	18.9	17.2	17.8	14.5	16.7	14.5	25.4	23.4	22.8	19.6
24	26.5	24.3	18.7	16.1	17.4	15.9	17.2	14.3	25.8	23.4	23.6	20.6
25	26.0	23.7	20.5	18.5	17.8	16.0	17.3	14.6	26.8	24.1	24.2	21.4
26	25.7	23.7	20.8	19.5	18.9	15.6	18.1	12.0	26.5	24.7	23.9	22.6
27	25.2	23.5	21.6	18.4	19.3	15.9	16.8	14.5	27.9	24.7	23.3	21.6
28	25.3	23.2	21.7	17.7	19.8	18.5	18.9	14.8	26.8	24.8	23.9	21.2
29	26.0	23.7	21.3	18.6	18.9	17.0	19.4	16.5	---	---	22.9	18.7
30	26.3	24.0	22.1	18.5	18.0	15.6	20.6	18.0	---	---	21.2	18.5
31	26.7	24.5	---	---	16.5	14.5	22.5	19.6	---	---	23.3	20.6
MONTH	30.6	21.4	27.3	16.1	25.9	14.5	22.8	11.6	27.9	16.6	27.3	16.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.7	21.3	25.0	21.9	31.0	28.4	31.7	27.6	29.2	27.9	32.4	29.2
2	24.9	20.8	27.1	22.4	31.7	28.4	30.2	28.0	28.2	26.9	31.9	28.8
3	24.7	20.9	25.7	23.3	33.1	29.3	29.6	28.0	27.4	26.7	32.3	29.0
4	25.2	22.4	27.8	22.6	32.6	28.3	30.4	28.0	28.1	26.6	31.4	29.2
5	27.1	23.4	27.6	24.2	30.8	27.2	30.6	28.4	28.7	26.8	31.7	29.1
6	26.5	23.6	27.6	23.8	32.4	26.9	29.8	28.3	29.4	27.1	32.1	28.8
7	27.4	23.7	27.4	23.5	33.0	27.4	31.9	28.2	28.7	27.3	31.1	29.0
8	27.7	24.9	26.4	24.5	32.8	29.5	31.1	28.6	30.5	27.2	30.0	28.9
9	28.3	25.3	26.5	23.7	32.8	30.5	29.9	28.9	29.1	27.8	29.4	28.4
10	28.1	25.9	26.5	23.2	33.7	30.7	30.1	28.8	28.8	27.8	30.1	28.0
11	28.2	25.8	26.5	23.3	33.1	30.7	29.4	28.7	31.0	27.8	30.1	28.1
12	28.7	25.8	26.4	23.2	33.1	30.0	30.3	28.6	33.0	28.2	28.5	27.5
13	28.9	26.2	27.5	23.8	33.8	30.9	29.3	28.5	33.3	28.7	27.5	26.7
14	29.7	27.0	28.6	25.9	33.8	31.3	29.5	27.9	32.3	28.7	26.7	23.8
15	29.7	27.4	29.0	25.0	33.7	30.5	29.1	27.7	31.5	28.7	24.0	23.4
16	29.8	26.3	28.4	25.9	33.1	30.4	30.9	27.6	32.8	29.4	25.0	23.8
17	28.6	25.6	29.9	26.4	33.5	30.6	29.0	27.9	32.7	29.8	26.3	24.4
18	26.7	23.8	30.0	27.1	32.0	29.4	32.3	27.8	31.8	30.0	26.9	25.3
19	25.6	22.6	30.0	27.1	32.0	27.3	30.8	29.0	30.5	29.4	28.0	26.0
20	26.2	22.2	30.2	27.4	31.4	27.8	30.8	28.4	30.3	28.6	28.7	26.4
21	25.9	22.7	30.5	27.3	32.3	26.5	29.5	28.6	30.6	28.3	30.7	26.9
22	26.2	22.6	31.3	28.1	31.1	27.3	28.7	26.9	32.0	28.3	30.4	27.3
23	26.6	23.5	31.5	28.8	30.1	25.6	26.9	26.3	32.8	29.1	31.8	27.1
24	27.9	24.5	31.8	27.9	29.2	25.1	27.2	25.9	32.7	29.3	31.4	28.0
25	26.9	25.4	30.4	28.5	30.0	27.5	27.9	26.1	33.1	29.8	30.0	28.2
26	27.8	24.6	30.6	28.6	31.7	27.3	29.1	26.4	32.8	30.2	28.3	27.2
27	26.3	23.1	30.4	28.0	31.8	27.9	30.0	27.1	34.0	30.1	27.7	26.9
28	25.4	22.9	30.7	28.6	29.9	27.9	32.1	27.5	34.1	30.2	27.5	26.6
29	24.5	22.5	30.7	27.8	31.0	27.9	32.1	27.7	32.8	30.3	28.1	26.3
30	23.8	21.7	31.5	28.7	30.7	27.7	32.0	28.5	31.7	30.0	27.9	25.0
31	---	---	32.4	29.2	---	---	30.9	28.3	31.8	29.6	---	---
MONTH	29.8	20.8	32.4	21.9	33.8	25.1	32.3	25.9	34.1	26.6	32.4	23.4
YEAR	34.1	11.6										

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.6	27.0	26.5	25.0	21.6	19.4	15.2	13.3	22.3	20.8	26.5	25.0
2	29.2	27.1	26.5	25.0	22.1	20.6	15.0	13.8	22.0	20.8	26.6	25.1
3	28.7	27.3	26.6	25.1	21.9	20.3	14.4	13.0	20.8	19.0	27.1	25.0
4	28.3	27.3	26.5	25.3	20.3	18.1	14.3	13.6	19.2	18.4	25.9	24.6
5	29.1	27.5	27.0	25.8	20.0	18.4	14.3	12.1	19.2	17.8	24.8	22.0
6	29.6	28.3	27.1	24.9	18.9	17.8	15.4	13.0	19.1	16.5	22.2	18.6
7	29.9	27.9	26.5	24.4	19.1	17.4	15.6	12.7	20.5	17.2	20.3	17.2
8	28.7	27.1	26.6	24.7	19.3	16.8	16.8	14.6	21.7	18.3	21.0	17.8
9	27.4	23.9	26.3	24.5	20.6	18.5	16.2	14.4	22.1	19.6	21.8	18.5
10	24.4	21.9	26.3	25.0	21.0	19.4	15.4	13.5	23.4	21.0	22.5	20.3
11	24.1	21.7	25.7	23.4	21.6	20.4	16.1	13.4	24.9	21.8	23.0	20.5
12	24.0	21.7	25.0	23.0	23.3	21.3	17.3	15.3	25.2	23.2	24.7	21.8
13	23.2	21.3	24.3	22.6	23.7	22.4	17.4	15.5	25.4	23.3	24.6	23.5
14	23.6	21.8	24.3	23.1	24.7	22.9	17.8	15.7	25.7	23.9	23.8	23.1
15	25.2	21.9	24.0	22.0	25.3	23.7	18.9	17.5	26.3	23.7	25.9	23.3
16	25.5	23.4	24.0	21.1	25.8	24.2	20.1	18.1	26.5	23.6	25.2	24.1
17	25.7	24.3	24.4	22.4	25.0	22.1	20.2	19.1	25.6	23.6	25.8	24.2
18	26.2	25.0	24.7	22.6	22.6	20.2	21.8	19.9	24.5	22.9	25.2	23.2
19	27.2	25.4	25.8	23.5	20.4	18.1	22.7	20.4	23.9	21.7	23.8	22.2
20	28.1	26.0	25.2	22.8	18.3	16.5	22.2	18.1	23.6	21.6	23.7	22.1
21	27.9	25.9	23.0	20.0	16.8	15.5	18.6	16.0	24.4	22.6	22.8	20.4
22	27.5	26.3	20.3	18.1	16.7	15.5	17.4	15.4	24.7	22.7	21.9	19.1
23	26.8	24.9	18.6	17.3	17.2	14.7	16.6	14.4	25.3	23.4	22.7	19.7
24	26.4	24.3	18.7	16.6	17.3	15.8	16.6	14.4	25.6	23.4	22.9	20.6
25	25.7	23.7	19.9	18.1	17.5	16.0	17.2	14.9	26.4	24.0	24.0	21.4
26	25.3	23.7	20.3	19.3	18.1	15.7	17.3	14.4	26.3	24.6	23.8	22.5
27	25.0	23.6	21.1	19.2	18.7	16.8	16.9	14.9	26.6	24.7	23.2	21.5
28	25.2	23.7	21.3	19.2	19.6	18.4	17.9	15.5	26.4	24.8	23.5	21.1
29	25.5	24.0	21.3	19.4	18.9	17.1	19.2	17.2	---	---	22.9	20.1
30	26.4	24.6	21.8	18.8	18.1	16.0	20.5	18.0	---	---	21.3	18.6
31	26.5	24.7	---	---	16.4	14.4	22.1	19.6	---	---	23.3	20.9
MONTH	29.9	21.3	27.1	16.6	25.8	14.4	22.7	12.1	26.6	16.5	27.1	17.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.7	21.2	24.9	22.0	30.9	28.7	30.3	27.6	29.1	27.9	31.8	29.9
2	24.5	20.7	26.9	22.6	31.0	28.4	30.0	27.9	28.1	26.8	31.2	29.6
3	23.6	20.9	25.4	23.4	31.8	29.6	29.4	27.9	27.4	26.6	31.7	28.9
4	24.1	22.3	27.1	23.2	31.6	29.1	29.8	27.9	27.7	26.6	31.1	29.3
5	26.5	23.2	27.1	24.2	30.7	29.9	30.3	28.3	28.4	26.7	31.2	29.8
6	26.4	23.5	27.3	24.6	32.1	30.0	29.3	28.2	28.9	27.1	31.5	29.5
7	26.5	23.6	27.2	24.0	31.8	30.4	31.8	28.2	28.4	27.2	30.8	29.1
8	27.1	25.0	26.2	24.6	32.3	30.1	31.0	28.5	29.7	27.1	29.8	28.8
9	28.1	26.1	26.3	23.7	32.2	31.4	29.8	28.8	28.8	27.7	29.2	28.3
10	27.9	25.9	25.7	24.0	32.8	31.4	29.9	28.7	28.5	27.7	29.6	27.9
11	27.6	25.7	25.9	24.2	32.2	30.7	29.1	28.6	29.7	27.7	29.9	28.0
12	27.8	25.9	26.0	24.0	32.2	30.4	30.1	28.5	31.0	28.0	28.4	27.4
13	28.5	26.8	27.3	24.7	33.1	31.0	29.2	28.4	32.3	28.6	27.4	26.6
14	29.0	27.4	28.4	25.9	33.5	31.4	29.4	27.9	31.6	28.6	26.6	23.7
15	29.1	27.4	27.7	25.8	33.6	30.9	29.0	27.7	31.4	28.6	23.9	23.3
16	29.7	27.0	27.9	26.1	32.9	30.4	29.7	27.6	32.2	29.3	25.0	23.7
17	28.5	26.1	28.7	26.3	32.9	30.6	28.9	27.9	32.5	29.6	26.1	24.3
18	26.7	23.7	28.8	27.0	31.8	29.5	31.9	27.8	31.6	29.8	26.8	25.2
19	25.4	22.5	29.7	27.0	31.1	30.1	30.7	28.9	30.2	29.3	27.8	25.9
20	25.5	22.2	29.4	27.3	31.2	30.2	30.2	28.3	29.8	28.5	28.3	26.3
21	25.6	22.7	29.8	27.2	32.0	30.0	29.4	28.6	30.3	28.2	29.6	26.8
22	26.1	22.9	30.2	28.1	31.0	28.1	28.6	26.9	31.2	28.2	28.9	27.2
23	26.5	23.5	31.3	28.8	30.2	27.5	26.9	26.2	31.6	29.0	30.5	27.0
24	27.0	24.5	31.2	29.3	29.7	27.5	27.1	25.9	31.5	29.2	29.8	27.9
25	26.7	25.4	30.0	28.9	29.5	27.4	27.8	26.0	32.4	29.7	29.9	28.1
26	27.3	24.6	30.2	28.9	30.4	27.3	29.0	26.3	32.6	30.0	28.2	27.2
27	25.8	23.0	30.3	28.5	31.5	28.0	29.5	27.0	32.9	30.0	27.5	26.8
28	25.2	23.0	29.9	28.9	29.7	27.9	30.3	27.5	32.8	30.2	27.3	26.6
29	24.4	22.9	30.2	28.2	30.1	27.8	31.0	27.6	31.5	30.0	27.9	26.2
30	23.8	22.2	31.2	29.1	29.9	27.6	31.5	28.4	31.5	29.9	27.5	24.8
31	---	---	31.7	29.3	---	---	30.3	28.3	30.9	29.4	---	---
MONTH	29.7	20.7	31.7	22.0	33.6	27.3	31.9	25.9	32.9	26.6	31.8	23.3
YEAR	33.6	12.1										

MANATEE RIVER BASIN

02300064 BRADEN RIVER AT BRADENTON, FL

LOCATION.--Lat 27°29'46", long 82°31'32", in SW $\frac{1}{4}$ sec.29, T.34 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on left bank on public dock, 100 ft upstream from State Road 64 bridge, 0.7 mi upstream from mouth, and 2.9 mi east of Bradenton.
DRAINAGE AREA.--83 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1994 to current year (gage heights only), incomplete.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929 (Manatee County reference mark).
REMARKS.--Interruptions in record were due to malfunctions of the instruments, or periods when extreme low tides were below the bottom of the gage stilling well.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.58 ft, Sept. 14, 2001; minimum, 8.42 ft, Jan. 15, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.58 ft, Sept. 14; minimum, 8.86 ft, Apr. 26, 27.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.83	9.95	11.86	9.85	11.13	9.30	10.38	8.98	10.95	9.54	11.32	9.47
2	11.66	9.67	11.95	9.92	11.26	9.49	10.22	8.96	10.13	9.26	11.43	9.58
3	11.56	9.72	11.75	9.90	11.12	9.61	10.54	8.99	10.61	8.91	11.73	9.54
4	12.22	10.16	11.43	9.93	10.75	9.38	10.62	9.37	11.02	8.91	11.74	9.67
5	11.75	9.93	11.59	10.16	10.86	9.57	11.51	9.14	11.00	8.93	11.67	9.55
6	11.74	10.07	11.89	10.45	11.50	9.89	11.42	9.29	11.33	8.93	11.45	9.22
7	11.84	9.95	11.81	10.28	11.49	9.74	11.85	9.13	11.33	8.91	11.34	8.95
8	11.31	9.81	12.20	10.58	11.88	9.54	11.92	9.26	11.37	8.91	11.58	9.03
9	10.95	9.13	12.38	10.44	12.09	9.44	11.93	8.99	11.28	8.93	11.74	9.44
10	10.97	9.51	12.39	10.45	12.13	9.40	11.21	8.93	11.26	9.04	12.11	9.71
11	11.31	9.77	12.09	9.73	12.47	9.33	11.52	8.95	10.96	9.05	11.45	9.55
12	11.60	9.93	12.08	9.59	12.53	9.41	11.74	9.20	10.86	9.33	11.25	9.66
13	11.76	9.79	12.45	9.55	12.19	9.28	11.11	8.94	10.85	9.27	11.66	9.59
14	11.90	9.98	12.73	9.77	12.35	9.30	11.10	9.24	10.84	9.27	11.27	9.62
15	11.90	9.82	11.99	9.25	11.88	9.25	10.79	9.38	10.96	9.23	11.70	9.61
16	12.02	9.74	11.87	9.53	11.49	9.52	11.09	9.64	11.05	9.16	11.54	9.70
17	12.23	9.82	12.05	9.84	11.87	9.73	11.11	9.51	11.33	9.08	11.01	9.56
18	12.03	9.67	11.57	9.50	10.92	9.49	11.32	9.37	10.50	8.93	10.84	9.08
19	11.99	9.69	11.65	9.99	11.57	9.83	11.49	9.41	11.46	8.94	11.28	9.27
20	11.88	9.85	11.65	9.24	11.39	9.13	11.08	9.47	11.43	9.17	11.60	10.13
21	11.91	9.86	10.41	9.19	11.19	9.28	10.60	8.93	11.55	9.23	11.54	10.13
22	11.97	9.78	11.08	8.99	10.87	9.08	10.74	8.93	11.58	9.33	11.29	9.31
23	11.75	9.80	11.30	9.33	10.88	8.92	10.73	8.93	11.63	9.43	11.00	9.27
24	11.52	9.93	12.56	9.51	10.82	8.92	10.93	8.93	11.13	9.30	11.07	9.42
25	11.95	10.01	12.56	9.95	11.07	8.88	11.08	8.93	11.35	9.49	11.24	9.56
26	12.09	10.15	12.41	9.66	11.57	8.90	10.72	8.91	11.32	9.54	11.18	9.38
27	12.10	10.04	11.87	9.22	11.81	9.41	10.85	8.96	10.93	9.47	10.92	9.18
28	12.15	9.74	11.83	9.19	12.16	9.72	11.00	9.10	11.25	9.47	11.28	9.32
29	12.30	9.88	11.54	9.18	12.16	9.32	10.79	9.31	---	---	12.26	9.60
30	12.20	9.83	11.47	9.08	11.37	9.29	10.94	9.54	---	---	12.10	9.77
31	11.94	9.66	---	---	10.61	8.93	10.99	9.71	---	---	11.64	9.76
MONTH	12.30	9.13	12.73	8.99	12.53	8.88	11.93	8.91	11.63	8.91	12.26	8.95

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.20	9.52	11.22	8.87	11.44	9.83	11.55	9.77	11.71	9.23	12.10	9.95
2	11.17	9.23	11.16	9.32	11.72	9.75	11.77	9.76	11.88	9.52	12.11	9.97
3	11.63	9.08	11.16	9.47	11.60	9.47	11.88	9.56	12.43	9.96	12.08	10.12
4	11.78	9.40	10.97	9.36	11.74	9.33	12.08	9.46	12.42	9.96	12.00	10.01
5	11.72	9.50	11.29	9.47	11.71	9.28	12.17	9.64	12.25	9.97	11.91	10.09
6	11.61	9.54	11.46	9.35	11.72	9.18	12.06	9.53	11.92	9.69	11.62	9.95
7	11.40	9.53	11.71	9.31	11.84	9.19	11.95	9.49	11.64	9.78	11.66	10.14
8	11.47	9.58	11.55	9.19	11.65	9.25	11.96	9.62	11.64	10.04	11.84	10.26
9	11.64	9.54	11.83	9.30	11.66	9.32	11.82	9.68	11.64	10.15	11.87	10.13
10	11.62	9.45	12.12	9.48	11.62	9.34	11.91	9.84	11.42	10.23	11.86	9.84
11	11.94	9.61	11.89	9.41	11.57	9.43	11.31	9.89	11.40	10.00	11.54	9.56
12	11.72	9.56	11.82	9.41	11.43	9.71	11.46	10.05	11.46	9.88	12.03	9.92
13	11.67	9.56	11.81	9.57	11.03	9.76	11.44	10.24	11.47	9.78	12.12	9.86
14	11.77	9.52	11.42	9.53	10.98	9.67	11.50	10.16	11.85	9.70	14.58	11.14
15	11.45	9.71	11.32	9.53	11.00	9.65	11.59	9.78	12.13	9.73	12.62	10.80
16	11.28	9.65	11.16	9.82	11.11	9.70	11.60	9.70	12.38	9.66	12.51	10.66
17	11.11	9.47	11.14	9.89	11.16	9.47	12.00	9.61	12.29	9.52	12.41	10.31
18	10.50	9.10	11.18	9.91	11.37	9.29	12.13	9.42	12.42	9.64	12.45	10.12
19	10.80	9.01	11.31	9.79	11.52	9.05	12.29	9.40	12.84	9.95	12.29	10.10
20	11.08	9.24	11.59	9.72	11.67	9.13	12.26	9.38	12.51	9.94	12.30	10.06
21	11.21	9.59	11.90	9.75	11.94	9.03	12.56	9.75	12.19	9.86	12.64	10.14
22	11.01	9.35	12.03	9.64	12.03	9.09	12.88	10.27	11.89	10.16	12.23	10.05
23	11.45	9.51	12.28	9.60	11.96	9.20	13.60	10.80	11.70	10.13	11.98	10.02
24	11.61	9.41	12.09	9.29	11.89	9.21	12.08	10.22	11.61	10.05	11.97	10.12
25	11.70	9.30	12.27	9.41	11.63	9.21	11.61	10.09	11.65	9.82	12.08	9.98
26	11.29	8.86	12.22	9.41	11.42	9.28	11.42	10.03	11.55	9.79	11.43	9.69
27	11.31	8.86	12.09	9.41	11.11	9.27	11.34	9.93	11.53	9.77	11.63	9.87
28	11.69	8.89	11.79	9.47	10.93	9.45	11.25	9.60	11.53	9.57	11.93	10.09
29	11.06	9.11	11.66	9.52	11.26	9.89	11.22	9.45	11.72	9.69	11.85	9.88
30	11.10	8.92	11.20	9.68	11.43	9.76	11.52	9.51	11.84	9.79	11.34	9.95
31	---	---	11.19	9.58	---	---	11.50	9.36	11.98	9.82	---	---
MONTH	11.94	8.86	12.28	8.87	12.03	9.03	13.60	9.36	12.84	9.23	14.58	9.56
YEAR	14.58	8.86										

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year, (incomplete).
INSTRUMENTATION.--Water-quality monitor consisting of a specific conductance and temperature sensor located 0.2 ft above the bottom.
REMARKS.--Specific conductance records fair, temperature records good. Interruptions in record were due to malfunctions of the instruments, and periods when the probe was dry during extreme low tides.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 54,000 microsiemens, June 16, 2000; minimum, 282 microsiemens, Mar. 20, 1998.
TEMPERATURE.--Maximum, 35.0°C, Aug. 25, 2001; minimum, 4.6°C, Dec. 21, 1996.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum, 50,300 microsiemens, June 18, 21; minimum, 420 microsiemens, Sept. 16.
TEMPERATURE.--Maximum, 35.0°C, Aug. 25; minimum, 9.6°C, Jan. 3.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(0.2 FT ABOVE THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22600	11800	41000	34300	42200	39300	44800	40800	46400	44900	48200	47200
2	23400	11500	41400	35800	42600	38800	45000	41200	45800	44600	48400	47300
3	25300	12400	41900	36800	43200	38500	44900	40800	45900	43400	48800	47400
4	27800	17900	41700	34900	42200	38400	45400	43600	46200	43400	48400	46900
5	29800	18000	42200	38100	42300	39700	46400	42700	46100	43500	47800	44700
6	31300	20400	43000	38600	43400	38700	46200	43300	46300	43700	47800	45600
7	30000	19200	43000	37500	43500	39100	46900	43300	46900	44000	47600	45400
8	25600	19000	43800	39200	44200	38700	47000	43800	46900	44400	47500	45600
9	25200	16300	44200	39000	44700	39900	47100	43600	47100	44800	48000	46200
10	28500	19600	44300	39400	44700	38800	45100	42300	47200	45500	48400	46700
11	30900	21300	43300	37900	45200	38200	46400	43400	47000	45600	48000	46800
12	32600	22900	43100	37600	45300	39900	46700	44000	47100	45700	47900	46900
13	33700	23200	44300	35400	45100	39100	46300	43800	47000	45600	48700	47000
14	34500	25000	44800	39200	45500	39900	45700	43900	47200	45600	47800	46700
15	34600	25300	42900	37600	44800	40600	45800	43800	47300	45600	48400	46700
16	34900	25900	43300	37100	44600	41900	46000	44200	47300	45000	48500	47000
17	36300	27000	43800	38400	45400	42700	46100	44000	47400	45100	47600	46900
18	36200	27800	42300	37400	43300	40000	46500	43800	46900	45000	47400	45800
19	36700	28400	44100	38900	44900	38200	46600	44100	47700	45200	48000	46000
20	36700	30200	44100	37500	44700	39700	46500	44100	47600	45200	48800	46600
21	38100	31300	41000	37400	44500	39800	45000	42800	47800	46000	48800	46900
22	38600	32000	42300	34600	44300	42000	44800	42800	47900	46300	48700	46400
23	38800	32600	43000	39000	44600	39600	45400	43600	48100	46600	47900	46700
24	38300	33400	45300	38300	44400	41800	45700	43700	47700	46300	47800	46600
25	40200	34200	45400	40700	44000	39700	---	---	47900	45000	48200	47000
26	40400	35300	45500	40100	45000	38000	---	---	47900	47000	48200	47200
27	40700	35300	43500	37700	45800	41300	46100	43800	47700	47000	47800	46800
28	40600	34700	42900	38300	47000	41500	46500	43900	48100	45800	48400	47100
29	41400	35500	42300	38900	47000	41700	46300	44100	---	---	48700	29500
30	41500	36000	42400	36600	45500	41200	46900	45200	---	---	42600	20900
31	40400	35400	---	---	44300	40400	46800	45800	---	---	34700	16500
MONTH	41500	11500	45500	34300	47000	38000	47100	40800	48100	43400	48800	16500

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(0.2 FT ABOVE THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23900	11500	41600	35100	47200	44200	40300	12100	18900	4060	34700	25400
2	21200	6900	41900	36400	47000	43700	37200	5850	22500	4700	35700	25600
3	33900	2360	42100	37400	47400	44300	38100	4900	24600	5680	35000	26900
4	31700	16700	41900	36800	47800	40800	35300	9490	24800	6100	35400	26400
5	31700	19700	42100	37800	47400	37200	34800	8740	25900	7140	34800	26300
6	31800	20600	42600	38100	47300	40600	31700	7650	21100	4770	33800	23200
7	32700	22500	43000	38400	46900	40200	32800	10400	18100	5250	34300	22400
8	33100	25000	43100	38800	47200	40200	31800	13600	19900	5310	34100	19600
9	33800	26400	43700	38900	47000	41000	31700	15100	15900	1900	30200	13900
10	33300	25700	43700	39300	47700	42100	32000	15700	13500	1860	29500	14100
11	35600	25900	44100	39900	47800	42100	28200	10600	12700	2050	19800	12100
12	35600	26800	44400	40000	47900	44200	28200	9450	12700	3340	20900	4340
13	35900	26700	44800	41000	48600	44100	24700	9030	9000	3830	20400	6320
14	35000	26500	44700	41200	48300	44800	22700	4240	12300	4010	14000	550
15	35500	27800	46800	41400	48600	45600	19000	3470	17900	5230	760	430
16	34500	28200	46000	43600	49200	46800	19200	4070	19800	6510	1000	420
17	34000	28000	46400	44200	49600	47700	27000	6640	20800	7390	1120	600
18	32800	17800	46400	44500	50300	43100	28700	9280	22200	8860	1250	800
19	35500	24500	46400	44800	49800	39200	29600	10200	23800	7880	3730	1040
20	37600	30200	46700	45300	49800	42500	28100	9460	20900	5850	5390	1610
21	39200	33200	47300	45200	50300	39200	29500	10200	19200	5670	9850	2390
22	39500	33400	47500	45200	50100	41100	18600	900	19400	6730	9420	2720
23	40500	35300	46900	39000	50000	35700	5610	900	19100	7960	10500	2840
24	41000	35900	46000	39600	49200	34900	1300	680	21000	8780	18000	5210
25	41000	35700	47100	39800	48500	31900	1470	770	21300	10000	21800	6010
26	39400	34100	47400	42000	46900	27600	3170	940	20300	11100	12800	4330
27	40000	32000	47700	42100	46600	28600	5300	1040	22700	11400	19700	5140
28	41800	34600	47900	43900	45700	29800	6720	1710	29600	14300	21600	8870
29	40700	35800	48200	44400	44200	21200	9690	2760	30400	17700	22600	9820
30	41500	35100	47600	44900	42100	15200	14900	4150	32100	18900	20900	9890
31	---	---	47300	45000	---	---	19800	3260	34300	21700	---	---
MONTH	41800	2360	48200	35100	50300	15200	40300	680	34300	1860	35700	420
YEAR	50300	420										

MANATEE RIVER BASIN

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(0.2 FT ABOVE THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.7	26.2	25.5	23.3	20.3	17.2	12.9	9.8	21.2	19.6	25.9	23.9
2	28.4	26.0	25.3	22.7	20.7	17.9	12.4	10.4	20.9	18.9	26.2	24.3
3	27.7	26.0	25.3	22.3	19.8	17.6	13.1	9.6	18.9	16.7	26.3	24.3
4	29.4	26.4	26.0	22.9	18.1	15.1	12.4	10.1	17.5	16.0	24.9	23.4
5	31.6	26.7	26.3	23.0	18.0	15.7	12.9	9.7	18.2	16.2	23.4	19.7
6	32.0	27.9	25.7	23.6	16.7	14.9	14.1	11.9	18.1	15.2	19.7	16.9
7	31.8	28.7	25.7	23.5	17.8	15.3	14.5	11.6	19.1	15.5	18.4	15.8
8	29.7	27.4	25.8	23.8	18.8	16.1	15.6	13.2	21.5	16.7	19.1	16.1
9	27.5	21.5	25.4	23.6	20.1	17.7	15.2	12.3	21.7	17.6	19.7	16.8
10	22.8	18.3	25.8	24.4	20.7	18.4	14.5	10.1	22.6	18.7	21.5	18.6
11	23.5	19.7	24.7	22.4	21.4	19.2	15.0	11.6	23.4	19.9	22.1	19.3
12	23.9	20.7	23.6	21.4	22.5	19.6	15.9	13.0	23.9	20.9	23.7	20.3
13	23.8	21.1	23.3	21.4	23.6	20.5	16.2	13.2	25.8	21.8	23.5	22.3
14	24.0	21.8	23.6	22.4	24.3	20.9	16.6	13.3	25.7	21.9	23.1	22.4
15	24.2	22.3	22.4	19.7	24.9	21.6	17.8	14.2	24.7	22.6	24.5	22.5
16	24.7	22.4	21.9	19.1	25.0	22.2	19.3	15.7	25.3	22.2	24.5	23.5
17	25.0	22.5	23.7	20.5	22.9	20.2	19.5	17.6	24.2	22.5	25.2	23.7
18	25.7	22.6	24.5	21.3	20.2	16.6	21.0	18.4	23.0	20.7	23.7	21.7
19	26.8	22.7	25.3	21.5	18.0	16.1	22.1	18.7	22.3	19.2	22.2	20.3
20	27.7	23.2	23.0	20.6	16.1	12.9	21.0	16.3	22.1	19.5	22.4	20.8
21	27.3	24.2	20.6	16.5	14.5	11.1	16.9	14.5	23.1	20.9	20.9	18.6
22	26.1	24.0	17.7	12.5	15.4	12.9	15.4	13.4	23.8	21.1	20.6	17.1
23	25.3	23.3	17.7	14.8	15.7	13.1	14.7	12.5	24.6	22.1	21.7	18.2
24	25.0	22.5	18.3	15.4	16.6	14.0	14.9	12.4	24.3	21.9	22.6	19.0
25	24.6	22.3	20.0	17.9	16.9	13.9	16.2	13.1	24.9	22.4	23.1	20.3
26	24.7	22.5	20.5	18.9	17.0	13.9	16.3	11.9	25.7	23.1	23.2	21.1
27	24.6	22.8	20.7	18.8	17.3	14.9	14.6	12.6	26.3	23.5	22.5	18.8
28	24.7	22.5	20.3	18.1	18.2	15.9	16.2	13.1	26.0	23.7	22.1	18.4
29	25.0	23.2	19.4	18.0	16.8	15.0	18.6	14.6	---	---	21.7	19.7
30	25.4	23.6	20.5	17.4	15.2	13.2	19.4	15.7	---	---	21.9	19.3
31	26.2	23.6	---	---	13.2	10.4	21.1	17.6	---	---	23.8	21.5
MONTH	32.0	18.3	26.3	12.5	25.0	10.4	22.1	9.6	26.3	15.2	26.3	15.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.0	21.4	24.8	20.7	30.8	28.2	31.7	26.8	29.6	26.9	32.7	30.2
2	24.2	19.9	25.9	22.2	31.3	27.4	31.5	26.2	28.1	24.0	32.1	29.8
3	25.0	20.2	24.9	22.8	32.7	29.0	32.3	28.5	27.1	24.8	32.3	29.7
4	26.2	22.1	26.5	21.8	32.5	29.2	31.8	28.3	27.7	25.2	31.6	30.0
5	26.9	23.4	26.3	22.8	31.1	28.1	32.1	28.7	28.7	26.1	31.3	29.5
6	26.4	24.1	26.5	23.1	31.1	28.2	32.8	28.8	30.7	26.6	31.3	29.0
7	26.5	23.6	26.1	22.8	31.4	28.5	32.7	28.0	30.6	27.4	31.1	28.9
8	27.1	24.6	25.4	23.1	31.5	29.3	32.9	29.6	30.9	28.2	30.2	28.9
9	27.6	25.2	25.1	22.9	32.2	29.7	31.6	29.2	32.3	28.5	29.9	28.1
10	27.7	25.3	25.5	22.8	32.4	29.9	31.6	29.4	32.5	28.6	30.8	27.5
11	27.6	25.3	25.7	23.3	32.5	30.0	30.2	28.4	32.9	29.5	30.8	27.7
12	28.1	26.0	26.7	23.2	32.3	29.9	30.2	28.0	33.4	29.4	29.1	26.4
13	28.7	26.6	27.3	24.2	33.2	30.5	29.7	28.5	34.5	30.1	27.7	26.2
14	29.3	27.0	28.1	25.1	32.7	30.1	31.2	28.2	33.8	30.8	26.5	23.0
15	29.7	27.2	28.3	25.6	33.3	29.7	30.5	27.8	32.0	30.7	24.7	22.9
16	29.1	27.0	29.2	26.3	33.8	29.9	30.5	27.5	32.3	29.7	26.9	23.2
17	27.8	24.4	29.9	26.6	34.1	30.3	29.8	28.2	33.4	30.4	27.7	24.5
18	25.5	19.7	30.4	26.9	32.2	29.5	31.6	27.8	32.7	30.7	27.7	25.6
19	25.0	18.7	30.4	27.1	32.0	28.2	30.8	29.0	31.9	29.9	28.4	26.3
20	25.5	20.7	30.2	27.0	32.0	27.9	32.2	29.2	32.2	29.0	29.3	27.0
21	25.5	22.0	30.5	27.0	32.4	28.9	30.8	28.6	32.4	29.9	29.6	27.7
22	25.9	22.1	31.2	28.2	30.0	27.5	29.2	26.5	32.9	30.1	31.4	28.2
23	26.0	22.9	31.1	28.6	28.6	26.3	27.4	25.4	33.3	30.0	32.1	28.2
24	26.8	24.0	30.9	27.9	28.8	26.3	28.0	25.1	34.6	30.0	31.6	28.4
25	26.1	24.9	30.6	28.1	30.6	26.8	29.2	26.9	35.0	30.9	31.4	28.2
26	26.8	22.7	30.5	28.4	31.8	28.6	29.8	27.0	34.2	30.4	29.4	27.7
27	25.8	21.1	30.5	28.1	31.7	28.9	30.5	28.0	34.2	29.9	28.3	26.7
28	24.8	21.8	31.0	28.3	29.9	27.6	32.9	28.1	33.8	30.8	28.2	26.2
29	24.1	21.7	31.0	28.6	30.8	27.3	33.7	28.8	33.5	30.2	28.0	25.6
30	23.9	20.7	32.7	29.1	30.8	27.2	34.0	29.9	33.2	30.3	27.3	23.4
31	---	---	32.8	29.1	---	---	31.9	27.8	32.6	29.6	---	---
MONTH	29.7	18.7	32.8	20.7	34.1	26.3	34.0	25.1	35.0	24.0	32.7	22.9
YEAR	35.0	9.6										

LITTLE MANATEE RIVER BASIN

02300100 LITTLE MANATEE RIVER NEAR FORT LONESOME, FL

LOCATION.--Lat 27°42'16", long 82°11'53", in NW ¼ sec.15, T.32 S., R.21 E., Hillsborough County, Hydrologic Unit 03100203, on left bank, 100 ft downstream from bridge on State Highway 674, 0.6 mi upstream from Howard Prairie Branch, 3.2 mi west of Fort Lonesome, 6.2 mi east of Wimauma, and 30 mi upstream from mouth.
DRAINAGE AREA.--31.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1963 to current year.
GAGE.--Water-stage recorder. Datum of gage is 45.00 ft above National Geodetic Vertical Datum of 1929. Prior to June 23, 1980, at site 100 ft upstream at same datum.
REMARKS.--Records good. Small diurnal fluctuation at low flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	1.4	1.4	2.0	2.1	1.3	42	.41	1.7	37	58	94
2	3.0	1.3	1.6	2.1	2.2	1.3	17	.29	7.4	13	58	205
3	2.6	1.1	2.0	2.1	2.1	1.1	8.3	.71	1.7	8.6	71	139
4	2.9	1.1	2.1	2.3	2.1	4.0	5.3	4.1	1.0	6.5	47	104
5	2.5	1.4	1.7	2.2	1.9	6.2	4.3	.79	9.8	5.9	51	96
6	2.5	1.3	1.6	2.2	1.9	2.6	3.3	.59	5.3	4.7	41	84
7	3.4	.86	1.7	2.1	2.3	2.2	3.0	.30	6.3	3.7	69	85
8	3.0	.77	1.4	2.1	2.2	2.1	2.5	.63	4.0	3.2	86	70
9	2.4	.89	1.7	2.4	2.5	1.7	1.8	.27	4.9	6.7	91	200
10	2.1	1.1	1.9	2.1	2.1	1.8	1.8	.41	3.8	13	159	107
11	1.9	1.1	2.3	2.0	2.7	1.4	1.7	.26	3.1	28	439	85
12	1.9	.95	4.4	2.0	2.0	1.1	1.4	.63	1.9	24	162	192
13	2.0	.77	3.9	2.0	2.5	1.4	1.3	.24	1.3	45	126	201
14	1.8	.83	2.4	2.1	3.1	1.4	1.2	.21	1.2	79	116	853
15	1.7	1.0	2.0	2.3	2.5	1.3	1.1	1.2	.96	114	83	709
16	1.8	.80	1.9	2.3	2.1	1.3	.78	3.4	.70	68	65	408
17	1.6	.77	2.5	2.2	1.8	1.9	.78	.79	.84	116	34	233
18	1.6	1.1	2.5	2.1	2.0	1.2	.56	.51	.74	134	18	173
19	1.7	1.2	2.2	2.3	1.4	1.6	.73	.54	1.2	96	27	129
20	1.9	1.0	2.3	2.9	1.7	3.6	.52	.37	.95	56	30	100
21	2.0	.95	2.2	2.9	1.4	2.2	.70	.56	1.5	61	26	80
22	1.6	.82	2.1	2.5	1.4	1.4	.43	.33	11	76	18	79
23	1.3	.97	2.1	2.3	1.9	1.1	.48	.59	18	125	11	83
24	1.2	1.4	2.1	2.1	1.4	1.4	.31	.33	19	161	8.7	78
25	1.1	2.5	2.0	1.9	1.4	.87	.71	.33	17	113	7.6	81
26	1.2	4.6	1.7	1.9	1.1	1.3	.42	.23	7.9	96	6.7	94
27	1.3	4.1	1.6	2.0	.99	.88	.43	.45	5.0	81	11	93
28	1.2	2.3	2.0	1.9	1.1	.74	.57	1.0	4.8	80	53	109
29	1.2	1.9	2.5	1.7	---	31	.45	2.5	17	68	56	141
30	1.3	1.7	2.2	1.8	---	155	.73	.72	47	62	52	119
31	1.4	---	2.0	1.9	---	69	---	.46	---	72	60	---
TOTAL	60.7	41.98	66.0	66.7	53.89	305.39	104.60	24.15	206.99	1857.3	2141.0	5224
MEAN	1.96	1.40	2.13	2.15	1.92	9.85	3.49	.78	6.90	59.9	69.1	174
MAX	3.6	4.6	4.4	2.9	3.1	155	42	4.1	47	161	439	853
MIN	1.1	.77	1.4	1.7	.99	.74	.31	.21	.70	3.2	6.7	70
CFSM	.06	.04	.07	.07	.06	.31	.11	.02	.22	1.91	2.20	5.55
IN.	.07	.05	.08	.08	.06	.36	.12	.03	.25	2.20	2.54	6.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	22.0	14.3	15.4	21.4	27.4	30.1	14.2	10.3	29.2	50.9	64.4	66.7
MAX	83.0	76.4	139	91.2	154	232	101	76.1	163	187	264	262
(WY)	1996	1996	1998	1998	1998	1998	1973	1987	1968	1968	1967	1979
MIN	.36	.38	1.19	1.58	1.92	.58	.001	.000	.66	2.13	1.56	4.72
(WY)	1975	1975	1985	1975	2001	1974	1975	1967	1964	1985	1996	1974

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	2207.05		10152.70			
ANNUAL MEAN	6.03		27.8		30.5	
HIGHEST ANNUAL MEAN					77.8	1998
LOWEST ANNUAL MEAN					7.98	1985
HIGHEST DAILY MEAN	129	Sep 17	853	Sep 14	2190	Sep 22 1979
LOWEST DAILY MEAN	.02	Jun 6	.21	May 14	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.68	Jun 1	.38	May 8	.00	Jun 18 1964
MAXIMUM PEAK FLOW			1160	Sep 14	3100	Sep 22 1979
MAXIMUM PEAK STAGE			10.47	Sep 14	12.21	Sep 7 1988
ANNUAL RUNOFF (CFSM)	.19		.89		.97	
ANNUAL RUNOFF (INCHES)	2.61		12.03		13.22	
10 PERCENT EXCEEDS	11		88		73	
50 PERCENT EXCEEDS	2.5		2.1		8.6	
90 PERCENT EXCEEDS	.94		.73		1.0	

LITTLE MANATEE RIVER BASIN

02300100 LITTLE MANATEE RIVER NEAR FORT LONESOME, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
15...	1340	2.10	1.0	8.6	6.3	205	17.0	.22	.02	.4	<.01	.180	.220
FEB													
07...	1155	2.26	2.4	9.9	6.8	280	13.1	.36	.02	.2	<.01	.180	.200
MAY													
23...	1245	2.06	.86	7.2	6.6	269	24.6	.60	.01	.6	<.01	.420	.500
JUL													
12...	1111	3.77	22	5.9	5.8	275	24.7	1.5	.04	.1	<.01	.470	.510
AUG													
08...	1250	6.07	87	4.6	6.4	177	26.1	2.1	.03	.1	<.01	1.20	1.20
SEP													
18...	1202	7.52	177	5.2	7.0	389	24.4	1.0	.04	<.02	<.01	.630	.680

LITTLE MANATEE RIVER BASIN

02300300 SOUTH FORK LITTLE MANATEE RIVER NEAR WIMAUMA, FL

LOCATION.--Lat 27°38'57", long 82°17'40", in SE ¼ sec.34, T.32 S., R.20 E., Hillsborough County, Hydrologic Unit 03100203, on right bank 50 ft upstream from bridge on State Highway 579, 1.0 mi upstream from mouth, and 4.3 mi south of Wimauma.
DRAINAGE AREA.--38.4 mi^2.
PERIOD OF RECORD.--October 1987 to September 1988; October 2000 to September 2001.
GAGE.--Water-stage recorder. Datum of gage is has not been determined.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	15	12	12	13	6.2	187	10	6.7	25	63	e371
2	24	15	11	16	14	6.8	95	10	8.1	35	55	e159
3	23	15	9.8	18	13	6.6	58	8.0	6.2	36	73	134
4	22	16	10	13	13	11	38	7.5	5.1	21	100	118
5	20	17	12	12	12	17	30	8.7	4.4	17	143	67
6	21	15	12	14	11	23	25	8.5	4.8	13	91	55
7	23	16	11	16	9.7	21	22	8.9	5.2	10	167	89
8	21	16	10	13	8.7	17	20	9.3	5.1	8.2	205	e100
9	21	15	10	14	7.9	16	18	8.7	6.5	9.6	152	e419
10	22	13	11	12	7.8	14	20	7.2	5.0	13	93	e354
11	20	11	12	14	8.1	12	18	6.3	4.2	23	90	306
12	20	10	13	16	9.6	9.6	16	7.1	3.5	39	294	374
13	17	12	14	12	9.2	8.9	15	7.2	3.1	56	292	547
14	18	13	12	11	7.8	8.4	14	6.8	2.8	66	187	e1680
15	18	15	11	11	8.5	8.2	13	6.7	2.7	57	109	e1600
16	18	13	12	10	10	7.6	14	6.6	5.7	83	74	763
17	19	13	22	10	8.4	7.0	14	5.9	18	169	58	398
18	19	13	22	12	7.5	6.7	12	5.3	9.8	281	e81	234
19	18	12	16	12	7.1	7.9	11	6.0	7.5	227	e106	157
20	18	11	14	15	8.2	13	9.5	6.2	8.7	132	84	119
21	19	9.7	13	19	8.5	14	9.4	6.5	10	109	85	96
22	17	10	12	15	8.5	11	9.2	6.8	12	113	64	81
23	16	15	14	13	8.3	10	8.6	6.8	23	342	46	140
24	18	15	14	11	6.9	9.0	7.9	11	36	361	38	123
25	19	15	13	11	6.5	9.5	7.9	7.9	54	233	33	91
26	17	27	9.5	10	6.3	8.0	8.7	5.5	47	146	30	68
27	16	28	9.7	10	6.7	9.6	8.2	5.1	35	108	28	59
28	17	21	9.7	9.8	6.7	9.5	7.5	5.8	27	128	26	59
29	16	16	13	9.7	---	58	7.4	6.9	28	169	25	58
30	14	14	13	12	---	319	8.8	6.2	23	108	24	54
31	14	---	11	14	---	369	---	4.7	---	73	27	---
TOTAL	591	446.7	388.7	397.5	252.9	1054.5	733.1	224.1	418.1	3210.8	2943	8873
MEAN	19.1	14.9	12.5	12.8	9.03	34.0	24.4	7.23	13.9	104	94.9	296
MAX	26	28	22	19	14	369	187	11	54	361	294	1680
MIN	14	9.7	9.5	9.7	6.3	6.2	7.4	4.7	2.7	8.2	24	54

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	23.9	32.9	18.6	25.2	21.3	49.2	18.9	9.94	11.8	71.9	110	311
MAX	28.5	43.1	22.9	35.6	33.2	64.3	24.4	12.6	13.9	104	126	326
(WY)	1988	1988	1989	1989	1988	1988	2001	1988	2001	2001	1988	1988
MIN	19.1	14.9	12.5	12.8	9.03	34.0	13.4	7.23	9.56	40.3	94.9	296
(WY)	2001	2001	2001	2001	2001	2001	1988	2001	1988	1988	2001	2001

SUMMARY STATISTICS	**FOR 2001 WATER YEAR**		**WATER YEARS 1988 - 2001**	
ANNUAL TOTAL	19533.4			
ANNUAL MEAN	53.5		57.6	
HIGHEST ANNUAL MEAN			61.8	1988
LOWEST ANNUAL MEAN			53.5	2001
HIGHEST DAILY MEAN	1680	Sep 14	4200	Sep 7 1988
LOWEST DAILY MEAN	2.7	Jun 15	2.7	Jun 15 2001
ANNUAL SEVEN-DAY MINIMUM	3.9	Jun 10	3.9	Jun 10 2001
MAXIMUM PEAK FLOW	Unknown	Sep 14	3340	Sep 14 2001
10 PERCENT EXCEEDS	121		106	
50 PERCENT EXCEEDS	14		19	
90 PERCENT EXCEEDS	6.8		7.9	

LITTLE MANATEE RIVER BASIN

02300500 LITTLE MANATEE RIVER NEAR WIMAUMA, FL

LOCATION.--Lat 27°40'15", long 82°21'10", in NE ¼ 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 upstream from Cypress Creek, 4.2 mi southwest of Wimauma, and 15 mi upstream from mouth.
DRAINAGE AREA.--149 mi^2.
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 downstream at datum 2.17 ft higher; Oct. 1, 1963, to Sept. 22, 1971, at former site and present datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Some diversion, 3.3 mi upstream from station by Manatee Power Plant since June 1974. Stage-discharge relation affected by tide on some days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	19	20	41	31	22	e599	e34	14	149	218	185
2	55	20	19	39	32	21	e455	e38	33	106	172	303
3	47	19	19	39	34	23	e232	e46	29	84	252	360
4	37	19	17	38	33	41	e137	e93	18	68	280	432
5	44	24	17	44	33	91	e109	e69	18	89	383	288
6	43	23	17	43	29	72	e82	e36	25	65	311	212
7	45	20	17	43	28	62	e73	e26	31	59	309	221
8	42	22	17	36	28	51	e77	e22	30	47	461	434
9	36	19	19	38	27	43	e82	e20	24	85	532	669
10	36	19	18	38	26	42	e72	e17	21	117	476	1060
11	33	14	18	38	27	36	e71	e16	17	141	313	1190
12	29	15	19	42	30	32	e59	e15	15	149	590	1190
13	28	15	25	38	32	30	e51	e15	13	157	922	1150
14	27	16	25	33	29	28	e47	e12	12	301	752	4740
15	29	18	20	33	30	27	e44	e14	11	326	423	10400
16	29	17	24	33	32	27	e41	e21	10	329	208	6030
17	28	15	42	32	31	25	e39	e21	17	530	158	2400
18	27	16	59	33	26	24	e39	e15	17	739	175	1320
19	28	17	47	33	25	24	e29	e13	15	742	305	848
20	27	16	39	33	22	50	e26	e12	15	580	244	501
21	26	15	40	40	26	e48	e24	e12	19	300	180	266
22	24	17	38	37	25	e45	e22	e12	87	275	163	172
23	22	17	35	34	26	e34	e20	e12	156	465	134	212
24	21	20	39	30	27	e26	e18	e14	190	844	121	238
25	24	21	34	27	25	e21	e18	e16	140	901	119	184
26	23	40	29	29	23	e21	e20	e13	120	677	105	132
27	21	38	29	29	19	e22	e20	e11	111	382	95	149
28	21	38	34	30	22	e21	e21	e12	92	310	94	158
29	19	27	40	29	---	e45	e22	e16	80	274	122	238
30	17	23	35	28	---	e278	e28	e19	103	196	120	255
31	16	---	34	31	---	e610	---	e14	---	144	129	---
TOTAL	963	619	885	1091	778	1942	2577	706	1483	9631	8866	35937
MEAN	31.1	20.6	28.5	35.2	27.8	62.6	85.9	22.8	49.4	311	286	1198
MAX	59	40	59	44	34	610	599	93	190	901	922	10400
MIN	16	14	17	27	19	21	18	11	10	47	94	132

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	148	75.2	74.8	111	130	149	77.7	50.5	149	295	364	407
MAX	1160	430	730	483	950	921	439	288	682	1444	964	1262
(WY)	1953	1998	1998	1948	1998	1998	1958	1987	1959	1945	1943	1960
MIN	12.0	8.91	14.4	17.2	15.9	12.0	6.78	3.75	5.13	17.9	53.1	39.1
(WY)	1943	1943	1962	1943	1943	1945	1945	1945	1951	1956	1942	1976

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1940 - 2001**	
ANNUAL TOTAL	23978.5		65478			
ANNUAL MEAN	65.5		179		170	
HIGHEST ANNUAL MEAN					411	1959
LOWEST ANNUAL MEAN					40.2	1956
HIGHEST DAILY MEAN	1130	Sep 19	10400	Sep 15	11100	Sep 11 1960
LOWEST DAILY MEAN	3.8	Jun 11	10	Jun 16	.92	Dec 18 1976
ANNUAL SEVEN-DAY MINIMUM	4.3	Jun 7	13	May 18	1.2	Dec 14 1976
MAXIMUM PEAK FLOW			11800	Sep 15	14000	Sep 11 1960
MAXIMUM PEAK STAGE			19.88	Sep 15	20.14	Sep 8 1988
10 PERCENT EXCEEDS	128		327		386	
50 PERCENT EXCEEDS	38		34		58	
90 PERCENT EXCEEDS	11		17		17	

TAMPA BAY AND COASTAL AREAS

02300700 BULLFROG CREEK NEAR WIMAUMA, FL

LOCATION.--Lat 27°47'30", long 82°21'08", in SE ¼ 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 downstream from Little Bullfrog Creek, 6.0 mi northwest of Wimauma, and 8.7 mi upstream from mouth.
DRAINAGE AREA.--29.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1956 to November 1958; 1959-74 (annual maximum); 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 same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	7.9	9.0	15	9.8	10	252	3.1	.03	98	130	11
2	16	7.2	9.4	11	8.0	9.9	78	2.9	.22	60	113	16
3	14	8.1	10	12	7.5	11	47	7.4	.09	39	144	13
4	13	6.8	8.7	12	7.2	52	35	15	.03	35	130	15
5	13	9.0	8.0	14	7.5	41	30	11	.07	73	95	15
6	14	9.8	7.3	11	8.6	30	24	6.7	.08	39	92	27
7	12	9.3	8.0	13	9.1	23	22	4.5	.23	25	85	72
8	13	8.9	7.8	16	11	17	22	3.3	1.5	19	84	88
9	11	6.8	8.6	15	11	14	20	2.5	1.2	15	68	187
10	11	6.8	7.3	16	12	13	16	2.6	.79	14	60	388
11	9.8	6.3	7.8	11	11	12	14	2.9	.44	45	84	335
12	9.3	7.3	9.1	11	10	10	12	2.5	.24	44	111	220
13	9.8	7.8	8.8	10	9.0	9.3	12	2.4	.10	68	64	130
14	12	6.9	9.7	8.8	8.4	9.6	10	2.4	.05	125	40	2210
15	e11	5.6	9.0	8.4	9.1	8.9	9.3	2.2	1.6	137	30	3730
16	e12	6.4	9.4	9.2	10	8.5	8.3	2.1	.44	96	27	1450
17	e11	6.5	11	9.6	11	7.9	6.7	2.1	.15	95	23	524
18	e10	5.6	8.0	8.6	10	8.3	6.4	2.1	1.8	88	25	164
19	9.5	4.5	9.1	7.2	9.7	11	5.7	2.0	3.7	87	41	84
20	10	4.8	9.6	7.7	11	13	5.5	1.8	3.1	57	69	61
21	8.4	4.8	10	9.3	9.5	11	5.8	e1.4	3.7	87	47	50
22	8.7	7.0	9.0	8.9	9.6	9.9	6.0	e1.0	42	120	33	44
23	9.1	10	12	8.0	10	9.2	5.6	e.82	115	171	e26	39
24	7.3	10	12	9.1	12	10	4.2	e.66	182	349	e22	34
25	7.8	6.8	11	8.5	13	11	4.3	e.51	148	339	e19	41
26	7.9	18	9.9	9.9	12	8.9	4.5	e.39	77	122	e16	40
27	6.2	14	9.3	10	12	6.9	4.3	e.30	39	66	e14	41
28	6.9	12	10	8.8	12	7.4	4.3	e.38	29	48	13	39
29	8.2	9.9	8.8	9.4	---	163	3.7	e.25	46	37	12	70
30	7.8	9.1	8.8	8.6	---	885	3.4	e.06	69	30	10	114
31	7.1	---	11	9.4	---	668	---	.02	---	47	11	---
TOTAL	324.8	243.9	287.4	326.4	281.0	2109.7	682.0	87.29	766.56	2675	1738	10252
MEAN	10.5	8.13	9.27	10.5	10.0	68.1	22.7	2.82	25.6	86.3	56.1	342
MAX	18	18	12	16	13	885	252	15	182	349	144	3730
MIN	6.2	4.5	7.3	7.2	7.2	6.9	3.4	.02	.03	14	10	11
CFSM	.36	.28	.32	.36	.34	2.34	.78	.10	.88	2.97	1.93	11.7
IN.	.42	.31	.37	.42	.36	2.70	.87	.11	.98	3.42	2.22	13.11

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2001, BY WATER YEAR (WY)

MEAN	31.4	20.1	26.1	34.3	42.4	52.1	26.5	21.2	39.5	51.1	66.7	106
MAX	102	92.3	251	133	233	191	108	86.8	215	187	188	342
(WY)	1996	1998	1998	1996	1998	1987	1958	1991	1982	1991	1995	2001
MIN	5.94	1.17	.56	2.51	1.86	12.6	6.50	1.39	3.18	10.8	9.28	8.52
(WY)	1979	1957	1957	1957	1957	2000	2000	2000	1979	1979	1993	1958

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1957 - 2001**	
ANNUAL TOTAL	9617.13		19774.05			
ANNUAL MEAN	26.3		54.2		42.9	
HIGHEST ANNUAL MEAN					90.0	1998
LOWEST ANNUAL MEAN					21.9	1980
HIGHEST DAILY MEAN	601	Sep 18	3730	Sep 15	3730	Sep 15 2001
LOWEST DAILY MEAN	.03	Jun 7	.02	May 31	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.06	Jun 1	.07	May 30	.00	Jun 10 1958
MAXIMUM PEAK FLOW			4760	Sep 14	5200	Sep 11 1960
MAXIMUM PEAK STAGE			30.41	Sep 14	30.64	Sep 27 1997
ANNUAL RUNOFF (CFSM)	.90		1.86		1.48	
ANNUAL RUNOFF (INCHES)	12.29		25.28		20.05	
10 PERCENT EXCEEDS	47		88		83	
50 PERCENT EXCEEDS	10		10		17	
90 PERCENT EXCEEDS	1.3		2.4		5.5	

02300700 BULLFROG CREEK NEAR WIMAUMA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1966-75, 1977-83, 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
15...	1425	18.10	4.8	--	9.9	7.2	615	19.1	--	--	--	--	--
FEB													
07...	1251	18.40	9.7	--	11.5	7.6	504	15.9	--	--	--	--	--
MAY													
23...	1325	17.85	E.82	--	11.0	8.1	775	30.6	--	--	--	--	--
JUL													
10...	1245	18.63	14	60	7.3	6.7	509	26.9	45.0	19.0	12.0	16.0	33.0
AUG													
08...	1332	20.80	91	--	6.4	6.8	342	26.5	--	--	--	--	--
SEP													
18...	0923	22.32	179	120	5.9	6.0	202	23.7	18.0	6.70	6.30	6.0	12.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
NOV											
15...	--	--	--	--	.49	.08	.9	.01	.170	.220	--
FEB											
07...	--	--	--	--	.29	.02	.4	<.01	.130	.120	--
MAY											
23...	--	--	--	--	.50	.01	<.02	<.01	.140	.160	--
JUL											
10...	.3	8.9	140	356	.79	.07	.2	<.01	.230	.250	990
AUG											
08...	--	--	--	--	1.2	.03	.1	<.01	.310	.340	--
SEP											
18...	.2	5.7	38.0	E152cl	.90	.07	.2	<.01	.440	.520	310

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

ALAFIA RIVER BASIN

02300995 THIRTYMILE CREEK NEAR NICHOLS, FL

LOCATION.--Lat 27°52'47", long 82°02'56", in SW $\frac{1}{4}$ sec.7, T.30 S., R.23 E., Polk County, Hydrologic Unit 03100204, on downstream side of bridge, 3.8 mi south of Nichols, and 4.6 mi southwest of Mulberry.
DRAINAGE AREA.--3.27 mi^2.
PERIOD OF RECORD.--October 2000 to September 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage has not been determined.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.55 ft, Sept. 14; minimum, 8.71 ft, June 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.88	10.26	10.34	10.24	10.34	10.21	11.67	9.92	8.82	11.77	11.56	10.87
2	10.77	10.25	10.32	10.25	10.32	10.26	11.26	9.89	8.82	11.64	11.62	10.85
3	10.77	10.24	10.30	10.25	10.30	10.22	10.96	9.87	8.79	11.55	11.91	10.72
4	10.86	10.27	10.29	10.24	10.32	10.48	10.69	9.88	8.76	11.28	11.91	10.66
5	10.77	10.27	10.28	10.20	10.29	10.68	10.55	9.87	8.75	11.53	11.99	10.75
6	10.75	10.29	10.25	10.22	10.26	10.47	10.51	---	8.98	11.25	12.05	10.71
7	10.68	10.28	10.16	10.22	10.24	10.34	10.41	---	10.31	11.32	12.60	10.95
8	10.63	10.27	10.16	10.33	10.26	10.26	10.34	---	10.27	12.28	12.39	10.92
9	10.58	10.26	10.18	10.52	10.32	10.21	10.29	---	10.12	12.01	12.20	11.37
10	10.50	10.28	10.19	10.42	10.35	10.24	10.28	---	10.05	11.85	12.12	11.91
11	10.45	10.26	10.26	10.37	10.36	10.29	10.32	---	9.99	11.93	12.07	11.68
12	10.42	10.24	10.43	10.35	10.36	10.27	10.23	---	9.93	11.68	11.95	11.47
13	10.45	10.23	10.39	10.33	10.35	10.21	10.16	---	9.88	11.54	11.86	11.39
14	10.42	10.29	10.35	10.32	10.33	10.19	10.15	9.59	9.82	11.95	11.75	12.69
15	10.41	10.36	10.33	10.31	10.26	10.20	10.14	9.55	9.78	12.49	11.64	12.84
16	10.38	10.28	10.34	10.31	10.28	10.18	10.11	9.51	9.74	12.15	11.66	12.46
17	10.36	10.30	10.35	10.31	10.33	10.17	10.08	9.47	9.71	12.05	11.77	12.21
18	10.35	10.34	10.31	10.31	10.41	10.14	10.03	9.42	9.67	12.15	11.70	12.01
19	10.33	10.35	10.30	10.39	10.32	10.21	10.00	9.37	9.63	12.09	11.56	11.89
20	10.33	10.33	10.31	10.46	10.28	10.30	9.99	9.32	9.59	12.21	11.46	11.76
21	10.45	10.32	10.28	10.40	10.26	10.23	9.97	9.27	9.77	12.21	11.41	11.59
22	10.39	10.27	10.28	10.35	10.25	10.17	9.96	9.23	10.97	12.27	11.30	11.63
23	10.34	10.26	10.27	10.32	10.23	10.12	9.95	9.21	11.21	12.15	11.22	11.59
24	10.32	10.26	10.26	10.30	10.21	10.09	9.94	9.17	11.34	12.14	11.16	11.52
25	10.33	10.28	10.25	10.28	10.18	10.06	10.01	9.11	11.53	11.97	11.16	11.86
26	10.33	10.42	10.23	10.26	10.18	10.05	10.10	9.07	11.35	11.90	11.04	11.84
27	10.31	10.53	10.24	10.26	10.18	10.03	10.04	9.02	10.89	11.84	10.90	11.70
28	10.30	10.55	10.28	10.26	10.25	10.01	9.95	8.97	10.68	11.71	10.81	11.66
29	10.34	10.44	10.32	10.26	---	10.52	9.91	8.93	10.91	11.62	10.77	11.70
30	10.30	10.39	10.28	10.27	---	12.07	9.91	8.89	11.39	11.50	10.77	11.69
31	10.28	---	10.26	10.29	---	11.98	---	8.84	---	11.43	10.84	---
MEAN	10.48	10.31	10.28	10.31	10.29	10.35	10.26	9.36	10.05	11.85	11.59	11.56
MAX	10.88	10.55	10.43	10.52	10.41	12.07	11.67	9.92	11.53	12.49	12.60	12.84
MIN	10.28	10.23	10.16	10.20	10.18	10.01	9.91	8.84	8.75	11.25	10.77	10.66

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL

LOCATION.--Lat 27°53'01", long 82°06'01", in SW ¼ sec.10, T.30 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, near left bank on upstream side of highway bridge, 0.6 mi north of Keysville, 4.0 mi upstream from confluence with South Prong Alafia River, and 29 mi upstream from mouth of Alafia River at Hillsborough Bay.
DRAINAGE AREA.--135 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1950 to September 1992; October 1992 to September 1995 (discharge measurements only); October 1995 to current year. Monthly discharge only from May 1950, published in WSP 1304.
REVISED RECORDS.--WSP 1905: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 38.56 ft above National Geodetic Vertical Datum of 1929. Prior to May 8, 1974, at same site at same datum; May 8, 1974, to July 13, 1995, at site 300 ft downstream at same datum.
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	19	18	19	19	20	251	9.5	6.0	145	207	70
2	76	18	17	24	19	19	131	9.3	6.7	168	413	64
3	67	17	17	18	22	18	93	9.1	6.5	89	455	57
4	65	18	17	17	27	22	72	9.2	6.8	39	616	49
5	60	18	16	18	29	49	60	8.7	9.2	47	614	63
6	57	17	16	24	26	32	51	8.2	10	76	788	79
7	57	17	16	19	26	22	44	7.7	12	43	815	133
8	52	17	15	23	25	19	40	7.5	10	162	786	163
9	48	17	15	36	24	18	38	7.2	8.6	119	521	174
10	42	16	16	28	24	18	35	7.2	8.0	96	521	333
11	38	16	17	26	24	17	28	7.1	7.6	152	756	410
12	36	16	23	23	24	17	23	6.8	7.3	145	562	267
13	34	15	22	21	24	20	20	6.9	6.8	99	371	178
14	32	16	20	20	23	23	19	6.9	6.6	147	267	670
15	31	17	19	20	22	24	18	6.6	6.7	372	229	2990
16	30	16	20	20	22	25	17	6.6	6.9	378	208	1550
17	29	16	19	20	22	25	15	6.6	7.1	185	196	952
18	28	18	17	20	23	24	15	6.4	7.0	195	196	714
19	28	17	17	20	22	24	14	6.3	7.0	162	190	519
20	27	17	17	21	20	27	13	5.9	7.0	128	168	357
21	27	16	16	22	20	27	13	5.7	7.4	153	146	280
22	27	15	18	21	21	26	12	5.8	24	310	122	322
23	26	15	18	20	21	23	12	6.0	36	399	105	267
24	25	15	17	20	20	21	11	5.9	28	390	95	208
25	23	16	17	19	20	20	11	5.9	26	346	84	272
26	23	18	16	20	20	20	11	5.9	26	379	69	428
27	23	23	16	19	20	20	12	5.7	16	402	59	316
28	22	23	17	19	20	20	10	5.8	18	233	54	246
29	21	19	18	19	---	43	9.9	5.9	36	163	51	240
30	20	18	18	19	---	276	9.4	5.9	55	217	50	287
31	19	---	17	19	---	351	---	5.7	---	138	61	---
TOTAL	1181	516	542	654	629	1310	1108.3	213.9	426.2	6077	9775	12658
MEAN	38.1	17.2	17.5	21.1	22.5	42.3	36.9	6.90	14.2	196	315	422
MAX	88	23	23	36	29	351	251	9.5	55	402	815	2990
MIN	19	15	15	17	19	17	9.4	5.7	6.0	39	50	49
AC-FT	2340	1020	1080	1300	1250	2600	2200	424	845	12050	19390	25110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	144	99.9	107	121	142	164	92.7	82.1	123	196	260	281
MAX	481	299	669	367	712	884	412	467	458	664	669	1138
(WY)	1953	1954	1998	1998	1998	1959	1959	1979	1968	1960	1959	1960
MIN	38.1	17.2	17.5	21.1	22.5	28.1	18.3	6.90	12.8	52.5	52.6	38.7
(WY)	2001	2001	2001	2001	2001	1999	1985	2001	1951	1981	1989	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1951 - 2001**	
ANNUAL TOTAL	17947.5		35090.4			
ANNUAL MEAN	49.0		96.1		150	
HIGHEST ANNUAL MEAN					370	1959
LOWEST ANNUAL MEAN					62.9	2000
HIGHEST DAILY MEAN	549	Sep 18	2990	Sep 15	8200	Sep 11 1960
LOWEST DAILY MEAN	6.5	May 29	5.7	May 21	3.9	May 17 1952
ANNUAL SEVEN-DAY MINIMUM	8.1	May 23	5.8	May 25	4.9	May 27 1953
MAXIMUM PEAK FLOW			4010	Sep 15	9570	Sep 11 1960
MAXIMUM PEAK STAGE			12.69	Sep 15	15.86	Sep 11 1960
ANNUAL RUNOFF (AC-FT)	35600		69600		108900	
10 PERCENT EXCEEDS	96		274		295	
50 PERCENT EXCEEDS	30		22		90	
90 PERCENT EXCEEDS	15		7.4		33	

ALAFIA RIVER BASIN

02301000 NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
16...	1020	1.67	16	--	8.7	8.0	488	15.3	--	--	--	--	--
FEB													
06...	1249	1.94	26	--	9.6	8.5	684	13.8	--	--	--	--	--
MAY													
22...	1330	1.50	6.1	--	7.5	7.4	941	24.1	--	--	--	--	--
JUL													
12...	0820	3.98	156	100	6.6	7.1	469	25.2	43.0	13.0	4.90	29.0	24.0
AUG													
07...	1152	8.98	819	--	4.8	6.4	253	24.7	--	--	--	--	--
SEP													
18...	1400	8.33	703	120	5.7	6.4	411	24.1	29.0	9.60	7.00	34.0	38.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
NOV													
16...	--	--	--	--	.35	.03	1.8	<.01	1.80	1.80	--	--	--
FEB													
06...	--	--	--	--	.71	.03	1.2	<.01	1.40	1.50	--	--	--
MAY													
22...	--	--	--	--	.60	.01	.8	<.01	3.50	3.80	--	--	--
JUL													
12...	1.9	10.0	110	327	1.2	.05	.6	.02	1.60	1.90	--	--	--
AUG													
07...	--	--	--	--	1.4	.07	.3	.01	2.50	E2.70cl	--	--	--
SEP													
18...	2.5	8.8	70.0	284	1.1	.04	.2	<.01	4.50	E4.30cl	429	6	<1.00

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
16...	--	--	--	--	--	--	--	--
FEB								
06...	--	--	--	--	--	--	--	--
MAY								
22...	--	--	--	--	--	--	--	--
JUL								
12...	--	--	--	--	--	--	120	--
AUG								
07...	--	--	--	--	--	--	--	--
SEP								
18...	2	2.1	810	<1	<.10	3	74.0	4

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

LOCATION.--Lat 27°47'47", long 82°07'04", in SW ¼ sec.9, T.31 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, on right bank, 12 ft upstream from bridge on county road, 1.5 mi upstream from Halls Branch, 5.0 mi southeast of Lithia, and 7.6 mi upstream from mouth.
DRAINAGE AREA.--107 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1962 to current year.
GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 13, 1965, at datum 41.56 ft lower; Oct. 13, 1965, to Apr. 11, 1975, at datum 10.00 ft higher; Nov. 29, 1971, to July 25, 1972, nonrecording gage. Prior to July 25, 1972, at site 12 ft downstream; July 25, 1972, to Dec. 17, 1973, at site 60 ft upstream.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	3.4	5.0	6.0	6.9	4.8	105	1.4	e2.5	e81	144	76
2	22	3.5	4.7	6.1	6.9	4.7	78	1.4	e3.0	e76	162	106
3	19	3.4	4.4	6.2	6.9	4.6	54	1.3	e3.2	e60	204	118
4	18	3.3	4.3	6.2	6.9	6.2	37	2.0	e3.0	e35	207	74
5	16	3.3	4.2	6.0	7.0	13	25	2.4	e4.3	e42	212	52
6	15	3.4	4.0	6.1	6.8	12	18	1.9	e6.5	e46	202	44
7	15	3.3	4.0	6.1	6.5	11	14	1.6	e9.0	e34	201	56
8	13	3.2	3.8	6.4	6.4	9.3	e12	1.4	e8.5	e51	196	82
9	11	3.0	3.7	7.3	6.2	8.2	e9.4	1.3	e6.5	e64	222	125
10	9.9	3.0	3.7	7.2	6.2	7.6	e7.7	1.1	e5.7	e48	231	155
11	9.0	3.1	3.8	7.1	6.1	6.8	6.4	1.0	e5.4	e112	372	124
12	8.1	3.2	4.6	6.9	6.0	6.0	5.5	.60	e5.1	e138	385	144
13	7.3	3.2	6.5	6.9	6.1	5.3	4.8	.25	e5.0	114	302	171
14	6.9	3.2	6.4	7.0	6.0	5.1	4.3	.08	e4.9	156	250	483
15	6.5	3.4	6.2	7.3	5.8	5.3	3.8	.00	e5.6	237	218	1040
16	6.2	3.3	6.0	7.5	5.6	5.1	3.5	.00	e5.0	215	199	837
17	5.8	3.3	6.1	7.6	5.6	4.6	3.1	.00	e4.9	220	180	624
18	5.4	3.8	6.5	7.4	5.8	4.0	2.8	.00	e4.9	241	172	489
19	5.1	4.0	6.4	7.1	5.8	4.2	2.5	.00	e4.9	216	154	397
20	4.8	3.6	6.5	7.8	5.8	6.0	2.4	.00	e5.1	186	146	329
21	4.7	3.3	6.4	8.6	5.6	5.8	2.3	.00	e5.7	191	126	287
22	4.5	3.1	6.4	8.3	5.5	5.0	2.1	e.00	e20	238	106	266
23	4.2	3.1	6.3	7.9	5.7	4.4	1.8	e1.3	e27	257	90	245
24	3.9	3.2	6.0	7.5	5.7	3.7	1.7	e1.5	e27	329	77	217
25	3.8	3.2	5.9	7.1	5.7	3.1	1.6	e1.6	e20	304	67	203
26	3.8	4.8	5.5	6.8	5.8	2.7	1.6	e1.8	e19	251	58	189
27	3.7	6.6	5.3	6.8	5.5	2.5	1.4	e1.9	e16	215	51	181
28	3.6	6.4	5.5	6.8	5.1	2.3	1.3	e1.9	e18	194	45	175
29	3.6	6.0	6.1	6.7	---	12	1.3	e2.1	e34	184	41	233
30	3.5	5.5	6.1	6.9	---	106	1.3	e2.3	e60	168	38	305
31	3.4	---	6.0	7.1	---	138	---	e2.4	---	150	47	---
TOTAL	272.7	112.1	166.3	216.7	169.9	419.3	415.6	34.53	349.7	4853	5105	7827
MEAN	8.80	3.74	5.36	6.99	6.07	13.5	13.9	1.11	11.7	157	165	261
MAX	26	6.6	6.5	8.6	7.0	138	105	2.4	60	329	385	1040
MIN	3.4	3.0	3.7	6.0	5.1	2.3	1.3	.00	2.5	34	38	44
AC-FT	541	222	330	430	337	832	824	68	694	9630	10130	15520

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	111	62.9	59.9	80.7	86.5	84.8	63.7	42.4	79.6	133	185	190
MAX	362	205	339	325	396	403	395	175	455	768	673	518
(WY)	1995	1996	1998	1998	1998	1998	1973	1979	1968	1968	1967	1988
MIN	8.80	3.74	5.36	6.99	6.07	6.53	2.59	.31	6.07	10.1	8.40	23.0
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000	2000	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	3828.51		19941.83			
ANNUAL MEAN	10.5		54.6		98.3	
HIGHEST ANNUAL MEAN					199	1998
LOWEST ANNUAL MEAN					31.0	1985
HIGHEST DAILY MEAN	100	Sep 18	1040	Sep 15	2430	Aug 14 1967
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 18	.00	May 15	.00	May 18 2000
MAXIMUM PEAK FLOW			1090	Sep 15	2600	Aug 14 1967
MAXIMUM PEAK STAGE			16.71	Sep 15	17.93	Sep 7 1988
ANNUAL RUNOFF (AC-FT)	7590		39550		71210	
10 PERCENT EXCEEDS	25		201		219	
50 PERCENT EXCEEDS	5.9		6.3		56	
90 PERCENT EXCEEDS	.39		2.1		13	

ALAFIA RIVER BASIN

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
16...	1100	9.59	3.3	9.2	7.5	342	16.4	.39	.03	1.0	<.01	.540	.570
FEB													
06...	1345	9.84	6.8	11.6	8.0	366	15.3	.46	.03	.8	<.01	.390	.360
JUL													
12...	0914	12.05	95	6.2	6.4	335	25.4	1.6	.05	.4	<.01	.470	.510
AUG													
07...	1242	13.54	201	3.4	7.0	348	25.8	1.8	.05	.2	<.01	1.00	1.10
13...	1105	14.58	303	3.9	6.7	266	26.5	1.4	.05	.1	<.01	1.20	1.30
SEP													
18...	1242	15.58	489	5.0	6.4	251	24.5	1.1	.03	.1	.01	.930	1.00

ALAFIA RIVER BASIN

02301325 ALAFIA RIVER AT ALDERMAN'S FORD PARK AT PINECREST, FL

LOCATION.--Lat 27°51'46", long 82°08'30", in NE $\frac{1}{4}$ sec.19, T.30 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, downstream from the confluence of North and South Prongs of the Alafia River, on left bank on wooden platform, 900 ft upstream from State Highway 39 bridge, and 1.0 mi north of Pinecrest.
DRAINAGE AREA.--261 mi^2 .
PERIOD OF RECORD.--May 2000 to current year (gage heights only), incomplete.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 40.27, Sept. 15, 2001; minimum, 25.43 ft, June 6, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.27 ft, Sept. 15; minimum, 25.54 ft, May 21, 28.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.03	25.89	26.04	26.06	26.08	25.98	29.52	25.71	25.58	28.66	29.22	27.68
2	26.90	25.88	26.01	26.17	26.09	25.96	28.18	25.70	25.62	28.38	30.60	27.60
3	26.78	25.86	25.99	26.08	26.12	25.92	27.53	25.69	25.62	27.66	31.48	27.97
4	26.74	25.86	25.99	26.03	26.23	26.01	27.15	25.71	25.62	27.00	32.16	27.56
5	26.68	25.87	25.98	26.05	26.29	26.60	26.91	25.69	25.75	27.35	32.28	27.34
6	26.63	25.87	25.98	26.17	26.23	26.41	26.74	25.68	25.85	27.24	33.17	27.44
7	26.65	25.87	25.96	26.11	26.21	26.20	26.62	25.64	26.21	26.80	33.58	28.47
8	26.57	25.86	25.93	26.14	26.20	26.10	26.53	25.62	26.00	27.71	33.65	28.94
9	26.49	25.86	25.93	26.39	26.16	26.03	26.46	25.60	25.86	27.52	32.31	28.97
10	26.40	25.86	25.94	26.33	26.14	26.00	26.41	25.60	25.79	27.21	31.53	30.84
11	26.33	25.86	25.96	26.24	26.14	25.97	26.30	25.60	25.74	28.37	33.61	31.06
12	26.28	25.85	26.12	26.19	26.14	25.95	26.19	25.59	25.70	28.58	33.78	30.08
13	26.24	25.84	26.18	26.15	26.13	26.00	26.10	25.59	25.65	28.18	32.44	29.67
14	26.20	25.88	26.14	26.13	26.11	26.07	26.05	25.60	25.63	29.13	31.07	33.19
15	26.18	25.95	26.10	26.12	26.10	26.09	26.02	25.59	25.63	31.32	30.34	39.55
16	26.14	25.93	26.11	26.12	26.09	26.10	25.98	25.59	25.63	31.39	29.99	38.81
17	26.11	25.93	26.09	26.13	26.09	26.09	25.93	25.59	25.64	30.28	29.79	37.18
18	26.10	26.00	26.06	26.12	26.09	26.08	25.88	25.59	25.65	31.24	29.61	35.85
19	26.10	25.99	26.04	26.11	26.07	26.08	25.85	25.59	25.64	30.62	29.52	34.22
20	26.07	25.97	26.06	26.14	26.04	26.15	25.83	25.58	25.67	29.60	29.45	32.50
21	26.06	25.94	26.03	26.20	26.02	26.18	25.81	25.56	25.70	29.48	29.03	31.34
22	26.07	25.92	26.07	26.17	26.04	26.15	25.79	25.56	26.94	31.12	28.55	31.08
23	26.06	25.92	26.08	26.15	26.03	26.08	25.77	25.57	27.03	31.46	28.19	30.85
24	26.04	25.94	26.05	26.13	26.01	26.02	25.75	25.57	26.92	32.34	27.93	30.21
25	26.09	25.95	26.02	26.11	26.00	25.98	25.75	25.57	26.76	32.04	27.69	30.29
26	26.04	26.04	26.00	26.10	25.99	25.96	25.76	25.57	26.70	31.45	27.49	31.09
27	26.02	26.17	25.99	26.09	25.97	25.95	25.77	25.56	26.47	31.41	27.33	30.71
28	26.01	26.22	26.00	26.08	25.97	25.94	25.74	25.56	26.40	30.29	27.21	30.05
29	25.97	26.13	26.06	26.07	---	26.22	25.72	25.58	26.70	29.43	27.13	30.05
30	25.96	26.08	26.06	26.07	---	29.42	25.72	25.58	27.68	29.61	27.08	30.72
31	25.92	---	26.03	26.08	---	30.18	---	25.56	---	29.20	27.17	---
MEAN	26.29	25.94	26.03	26.14	26.10	26.32	26.33	25.61	26.06	29.42	30.14	31.04
MAX	27.03	26.22	26.18	26.39	26.29	30.18	29.52	25.71	27.68	32.34	33.78	39.55
MIN	25.92	25.84	25.93	26.03	25.97	25.92	25.72	25.56	25.58	26.80	27.08	27.34

ALAFIA RIVER BASIN

02301500 ALAFIA RIVER AT LITHIA, FL

LOCATION.--Lat 27°52'19", long 82°12'41", in NE ¼ 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 upstream from Little Fishhawk Creek, 4.3 mi west of Lithia, and 16 mi upstream from mouth.
DRAINAGE AREA.--335 mi^2, 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 above National Geodetic Vertical Datum of 1929. Prior to Aug. 8, 1939, nonrecording gage at site 200 ft upstream; Aug. 8, 1939, to Sept. 5, 1963, water-stage recorder at site 60 ft downstream; Sept. 6, 1963, to Oct. 14, 1965, water-stage recorder at site 50 ft downstream. Prior to Oct. 14, 1965, at datum 2.86 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge from rating curve extended above 21,000 ft^3/s. Maximum gage height from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	37	32	e46	33	30	456	13	9.1	320	475	198
2	148	35	30	e51	33	30	286	13	11	300	626	197
3	128	35	30	e45	33	29	196	12	12	234	915	222
4	118	34	29	34	37	38	138	12	11	128	876	197
5	111	33	29	45	41	68	105	13	16	146	1020	153
6	105	33	29	43	39	60	84	12	25	146	1130	173
7	109	32	29	39	36	45	69	11	36	99	1780	277
8	101	31	28	40	36	39	60	10	33	153	1370	389
9	90	31	27	58	35	35	56	9.9	24	191	1070	456
10	79	30	27	52	34	33	51	9.6	21	141	e1080	592
11	73	30	28	44	34	32	45	9.7	19	325	e1320	667
12	68	30	32	41	34	31	39	9.8	17	361	e1110	545
13	65	29	38	39	34	32	35	9.4	16	292	1110	464
14	61	30	36	36	33	35	32	10	16	527	874	1480
15	59	32	35	35	33	37	29	10	19	839	662	3180
16	57	32	34	35	32	38	27	9.9	17	733	575	3710
17	54	32	34	35	32	37	24	10	17	607	530	2940
18	52	33	33	35	32	36	22	10	17	773	495	2400
19	52	33	32	35	32	38	20	10	17	697	485	1750
20	50	32	32	35	31	47	19	9.2	18	526	491	1160
21	49	30	34	37	30	44	18	8.3	20	542	428	847
22	49	29	35	38	31	41	17	8.1	81	849	361	743
23	48	28	34	36	32	38	16	7.7	114	907	310	724
24	47	28	33	36	31	34	15	7.4	112	1290	271	638
25	48	29	32	34	30	32	14	7.0	82	1020	241	632
26	47	33	31	33	30	31	14	7.4	74	874	213	697
27	45	37	30	33	30	31	15	7.4	63	825	186	688
28	44	42	31	32	30	33	14	7.1	60	657	161	583
29	42	37	33	32	---	58	13	8.0	118	493	143	551
30	41	34	34	33	---	455	13	8.7	222	467	131	609
31	39	---	35	33	---	534	---	8.8	---	453	131	---
TOTAL	2251	971	986	1200	928	2101	1942	299.4	1317.1	15915	20570	27862
MEAN	72.6	32.4	31.8	38.7	33.1	67.8	64.7	9.66	43.9	513	664	929
MAX	172	42	38	58	41	534	456	13	222	1290	1780	3710
MIN	39	28	27	32	30	29	13	7.0	9.1	99	131	153
MED	57	32	32	36	33	37	28	9.8	20	493	530	620
AC-FT	4460	1930	1960	2380	1840	4170	3850	594	2610	31570	40800	55260
CFSM	.22	.10	.09	.12	.10	.20	.19	.03	.13	1.53	1.98	2.77
IN.	.25	.11	.11	.13	.10	.23	.22	.03	.15	1.77	2.28	3.09

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY)

MEAN	345	184	190	238	274	303	194	128	288	515	621	738
MAX	1374	718	1463	1009	1698	1874	900	748	1029	2696	2319	4185
(WY)	1939	1954	1998	1948	1998	1959	1959	1957	1934	1945	1949	1933
MIN	50.9	28.0	31.8	38.7	33.1	35.4	25.0	9.66	27.0	80.6	138	74.5
(WY)	1941	1941	2001	2001	2001	1935	1945	2001	1951	1956	1989	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1933 - 2001**	
ANNUAL TOTAL	29258.3		76342.5			
ANNUAL MEAN	79.9		209		335	
HIGHEST ANNUAL MEAN					845	1960
LOWEST ANNUAL MEAN					121	2000
HIGHEST DAILY MEAN	803	Sep 18	3710	Sep 16	40800	Sep 7 1933
LOWEST DAILY MEAN	4.1	May 30	7.0	May 25	4.1	May 30 2000
ANNUAL SEVEN-DAY MINIMUM	4.2	May 30	7.4	May 23	4.2	May 30 2000
MAXIMUM PEAK FLOW			3870	Sep 16	45900	Sep 7 1933
MAXIMUM PEAK STAGE			17.21	Sep 16	28.50	Sep 7 1933
ANNUAL RUNOFF (AC-FT)	58030		151400		242800	
ANNUAL RUNOFF (CFSM)	.24		.62		1.00	
ANNUAL RUNOFF (INCHES)	3.25		8.48		13.59	
10 PERCENT EXCEEDS	168		659		720	
50 PERCENT EXCEEDS	48		36		172	
90 PERCENT EXCEEDS	16		13		54	

ALAFIA RIVER BASIN

02301600 LITHIA SPRINGS NEAR LITHIA, FL

LOCATION.--Lat 27°52'00", long 82°13'50", in SW$^1/_4$ sec.17, T.30 S., R.21 E., Hillsborough County, Hydrologic Unit 03100204, 500 ft upstream from Alafia River, and 5.3 mi 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).

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.

COOPERATION.--Diversion figures were provided by Cargill Fertilizer, Inc.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 83 ft^3/s, Oct. 3, 1967; minimum measured, 6.2 ft^3/s, Feb. 8, 1989.

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Time	Major Spring Instantaneous Discharge (cfs)	Time	Minor Spring Instantaneous Discharge (cfs)	Total Flow Measured (cfs)	Diversion by pumping (cfs)
Oct. 04	1705	35	1740	11.8	47	7.4
Nov. 30	0840	27	1000	9.7	37	7.1
Jan. 24	0830	25	0950	7.9	33	7.0
Mar. 23	0900	14	1020	8.0	22	7.7
May 24	1147	3.8	1226	7.9	12	6.4

ALAFIA RIVER BASIN

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL

LOCATION.--Lat 27°51'31", long 82°16'26", in NE ¼ sec.23, T.30 S., R.20 E., Hillsborough County, Hydrologic Unit 03100204, on right bank, on wooden platform, 1,300 ft downstream from Bell Shoals bridge, 0.7 mi upstream from Bell Creek, 3.6 mi east of Riverview, and 10 mi upstream from mouth.
DRAINAGE AREA.--376 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--April 1998 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.03 ft, Sept. 14, 2001; minimum, 0.76 ft below NGVD, May 31, June 2, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.03 ft, Sept. 14; minimumm, 0.66 ft below NGVD, May 25, 27.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.94	.59	2.03	-.18	1.15	-.22	.70	-.19	1.23	-.24	1.72	-.42
2	1.73	.47	2.18	-.18	1.37	-.22	.40	-.17	.26	-.25	1.93	-.38
3	1.61	.40	1.86	-.23	1.15	-.23	.55	-.22	.58	-.27	2.40	-.39
4	2.47	.51	1.58	-.18	.57	-.25	.77	-.26	1.10	-.22	2.26	-.26
5	2.01	.39	1.77	-.04	.95	-.25	1.78	-.28	1.10	-.16	1.60	-.09
6	1.89	.49	2.12	.42	1.66	-.21	1.60	-.12	1.31	-.17	1.43	-.03
7	2.07	.42	2.00	.00	1.62	-.24	2.11	-.20	1.46	-.21	1.33	-.21
8	1.52	.31	2.37	.29	2.07	-.27	2.14	-.22	1.54	-.21	1.51	-.29
9	.91	.21	2.70	.17	2.22	-.27	2.20	-.01	1.42	-.23	1.93	-.34
10	.83	.16	2.80	.15	2.33	-.28	1.20	-.07	1.59	-.24	2.62	-.34
11	1.34	.13	2.26	-.31	2.54	-.27	1.98	-.13	1.15	-.24	1.64	-.36
12	1.61	.11	2.19	-.31	2.71	-.25	2.02	-.18	1.06	-.25	2.00	-.34
13	1.96	.07	2.45	-.31	2.33	-.16	1.22	-.21	1.15	-.26	2.22	-.29
14	2.19	.07	3.00	-.27	2.67	-.16	1.20	-.23	1.11	-.27	1.59	-.32
15	2.14	.04	1.86	-.29	2.04	-.19	.94	-.22	1.29	-.28	2.54	-.28
16	2.23	.02	1.95	-.27	1.74	-.05	1.27	-.22	1.31	-.29	2.05	-.17
17	2.48	.00	2.30	-.15	2.41	-.21	1.23	-.22	1.33	-.31	1.00	-.29
18	2.26	.01	1.68	-.27	1.11	-.22	1.51	-.22	.52	-.32	1.15	-.30
19	2.27	-.04	1.73	-.04	1.75	-.21	1.87	-.23	1.71	-.32	1.50	-.31
20	2.01	-.04	2.02	-.27	.85	-.26	1.69	-.21	1.68	-.34	1.86	.21
21	2.14	-.07	.49	-.30	1.40	-.26	.61	-.22	1.55	-.36	1.86	-.10
22	1.95	-.08	.99	-.32	1.18	-.22	.60	-.21	1.73	-.37	1.20	-.22
23	1.71	-.09	1.14	-.32	.91	-.22	.60	-.22	1.81	-.36	1.04	-.26
24	1.34	-.07	3.00	-.30	.83	-.23	.87	-.24	1.31	-.37	1.27	-.30
25	1.77	-.05	3.00	-.17	.97	-.25	1.29	-.24	1.59	-.36	1.68	-.33
26	2.14	-.02	2.70	-.26	1.52	-.27	.62	-.26	1.61	-.38	1.58	-.36
27	2.13	-.08	2.04	-.17	1.79	-.25	.89	-.25	1.33	-.39	1.14	-.37
28	2.09	-.13	2.07	-.13	2.41	-.21	1.13	-.27	1.51	-.39	1.65	-.38
29	2.42	-.13	1.58	-.16	2.30	-.25	1.21	-.27	---	---	2.72	-.35
30	2.30	-.15	1.61	-.20	1.45	-.23	1.44	-.15	---	---	3.77	.67
31	1.93	-.21	---	---	.23	-.27	1.26	-.13	---	---	2.82	2.03
MONTH	2.48	-.21	3.00	-.32	2.71	-.28	2.20	-.28	1.81	-.39	3.77	-.42

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	2.19	1.55	1.23	-.48	2.06	-.50	2.35	1.40	2.70	1.73	2.61	.82
2	1.60	1.09	1.19	-.50	2.18	-.51	2.31	.92	3.44	1.92	2.67	.99
3	1.93	.68	1.30	-.52	1.99	-.57	2.28	.56	4.53	3.39	2.56	.96
4	1.98	.46	1.09	-.51	2.10	-.62	2.51	.32	4.37	3.18	2.50	.72
5	2.02	.32	1.31	-.51	2.00	-.53	2.75	.52	4.64	3.21	2.44	.65
6	1.81	.20	1.64	-.51	2.21	-.42	2.36	.41	4.94	3.72	2.18	.68
7	1.73	.11	1.85	-.53	2.26	-.42	2.53	.20	5.70	4.91	2.81	.85
8	1.87	.06	1.56	-.56	2.10	-.32	2.43	.21	4.91	4.10	3.55	1.77
9	2.01	.02	2.04	-.56	2.06	-.39	2.27	.48	4.21	3.24	4.28	2.65
10	1.83	-.02	2.36	-.56	2.14	-.41	2.47	.46	3.44	2.87	3.29	2.61
11	2.63	-.08	2.07	-.55	2.10	-.44	2.91	.92	5.13	3.15	3.23	2.52
12	2.15	-.12	1.92	-.58	1.72	-.28	2.54	1.62	5.17	4.71	3.19	2.04
13	2.05	-.14	2.07	-.56	1.29	-.29	2.33	1.42	4.71	3.58	2.91	1.87
14	1.88	-.18	1.55	-.56	1.24	-.43	4.14	1.43	3.88	2.87	13.03	2.19
15	1.84	-.20	1.43	-.59	1.25	-.34	4.32	3.48	3.45	2.34	12.83	11.65
16	1.25	-.19	1.42	-.37	1.53	-.42	3.48	2.68	3.40	2.00	12.01	11.29
17	1.16	-.28	1.42	-.40	1.43	-.48	3.23	2.37	3.21	1.80	11.29	8.45
18	.80	-.34	1.57	-.35	1.65	-.50	4.18	3.05	3.49	1.96	8.45	6.02
19	.84	-.37	1.70	-.48	1.88	-.53	3.89	2.37	3.70	1.76	6.08	4.47
20	1.42	-.37	2.04	-.53	1.99	-.51	3.25	1.80	3.43	1.80	4.76	3.48
21	1.51	-.37	2.35	-.54	2.30	-.46	4.22	1.83	2.84	1.46	4.14	2.91
22	1.25	-.39	2.54	-.59	2.32	-.46	4.53	3.12	2.58	1.29	3.58	2.63
23	1.78	-.42	2.70	-.63	2.49	.19	5.89	3.10	2.36	1.15	3.43	2.57
24	1.91	-.42	2.24	-.65	2.20	.24	5.38	4.33	2.14	1.05	3.29	2.29
25	1.99	-.44	2.88	-.66	2.03	.17	4.34	3.38	2.10	.88	3.30	2.33
26	1.20	-.48	2.51	-.64	1.82	.13	3.61	3.14	1.92	.75	2.90	2.49
27	1.44	-.47	2.46	-.66	1.21	.09	3.42	2.92	1.88	.65	3.12	2.33
28	1.89	-.45	2.22	-.65	1.31	.02	3.03	2.26	1.91	.57	2.98	2.03
29	1.26	-.47	1.96	-.61	2.13	.32	2.48	1.69	2.08	.51	2.88	1.97
30	1.02	-.49	1.25	-.61	2.11	1.02	2.45	1.68	2.16	.48	2.67	2.04
31	---	---	1.61	-.64	---	---	2.36	1.56	2.40	.66	---	---
MONTH	2.63	-.49	2.88	-.66	2.49	-.62	5.89	.20	5.70	.48	13.03	.65
YEAR	13.03	-.66										

ALAFIA RIVER BASIN

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1998 to current year, (incomplete).
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature sensors located at a gage height of -0.50 ft for the top sensor and a gage height of -1.60 ft for the bottom sensor.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments, silt and debris buildup in sensor, or periods when top sensor was exposed during extreme low tide.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top sensor maximum, 3,640 microsiemens, June 5, 2000; bottom sensor maximum, 3,530 microsiemens, June 5, 2000; top sensor minimum, 91 microsiemens, Sept. 20, 1998; bottom sensor minimum, 94 microsiemens, Sept. 28, 1998.
TEMPERATURE.--Top sensor maximum, 29.0°C, July 28, 1998; bottom sensor maximum, 29.0°C, July 28, 1998; top sensor minimum, 12.5°C, Jan. 6, 2001; bottom sensor minimum, 12.5°C, Jan. 6, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top sensor maximum, 769 microsiemens, June 22; bottom sensor maximum, 768 microsiemens, June 22; top sensor minimum, 98 microsiemens, Sept. 14; bottom sensor minimum, 101 microsiemens, Sept. 14.
TEMPERATURE.--Top sensor maximum, 28.5°C, June 13; bottom sensor maximum, 28.5°C, June 13; top sensor minimum, 12.5°C, Jan. 6; bottom sensor minimum, 12.5°C, Jan. 6.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE-HEIGHT OF -0.50 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	486	468	497	482	430	418	434	425	446	433	529	516
2	491	473	495	480	435	420	427	416	448	433	533	516
3	493	477	493	473	442	429	425	414	445	431	534	506
4	508	479	488	469	447	433	431	420	442	430	526	435
5	509	496	482	467	446	435	435	424	439	427	484	419
6	505	467	478	464	447	435	429	415	458	431	467	433
7	490	472	476	461	448	437	424	411	486	450	465	424
8	496	477	472	459	449	439	429	416	522	481	455	429
9	503	489	469	457	450	436	425	375	518	506	454	431
10	508	481	464	455	452	437	405	359	521	501	458	431
11	513	491	465	452	453	439	413	396	520	503	466	453
12	512	495	462	448	449	437	411	395	527	506	470	443
13	519	494	462	449	448	432	417	405	518	502	470	455
14	512	489	461	441	442	426	424	414	515	496	468	457
15	512	497	451	438	444	424	429	419	518	496	467	452
16	517	499	451	438	433	416	434	421	510	498	471	455
17	519	495	453	437	429	414	433	423	513	500	545	465
18	515	492	452	434	437	421	436	423	516	497	573	537
19	511	496	448	428	437	427	438	424	513	495	580	541
20	514	495	439	427	438	428	436	421	518	504	591	557
21	506	490	438	425	438	429	433	422	531	506	584	502
22	508	494	440	432	444	430	433	421	527	512	565	519
23	508	494	440	427	444	425	435	420	524	508	568	536
24	514	496	443	428	436	426	430	417	525	507	553	532
25	510	494	450	435	439	426	433	422	522	506	550	531
26	514	497	450	426	442	429	434	426	515	498	558	538
27	519	497	436	421	440	426	442	426	521	502	565	546
28	503	486	433	414	442	425	448	437	528	509	576	555
29	509	493	430	416	437	425	446	436	---	---	577	394
30	505	486	430	417	437	427	448	435	---	---	420	286
31	498	482	---	---	436	426	447	436	---	---	381	289
MONTH	519	467	497	414	453	414	448	359	531	427	591	286

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE-HEIGHT OF -0.50 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	428	378	523	503	635	546	357	269	323	262	521	476
2	538	419	530	501	687	525	432	329	317	201	487	385
3	571	530	530	501	548	525	461	402	234	198	476	417
4	581	563	527	499	576	543	520	458	244	230	458	407
5	617	566	533	505	587	531	519	417	249	229	506	453
6	624	597	526	500	638	531	495	358	235	153	526	495
7	623	604	527	508	637	549	529	444	203	154	502	336
8	619	600	527	502	628	570	553	444	248	201	359	235
9	612	593	509	497	645	497	563	380	287	246	328	219
10	609	589	514	498	503	446	551	391	306	284	351	291
11	616	590	511	488	474	444	410	277	296	199	354	301
12	614	590	511	495	473	461	345	267	231	200	394	352
13	604	579	508	474	485	464	365	342	284	227	389	359
14	599	560	513	489	490	472	363	147	320	283	366	98
15	562	536	505	487	490	424	193	159	356	318	158	108
16	539	520	513	494	480	426	241	184	382	354	179	151
17	530	512	520	503	491	476	264	221	406	377	234	177
18	523	502	528	508	500	483	226	183	412	365	296	234
19	513	497	593	520	508	481	222	189	436	368	316	292
20	505	492	604	516	504	489	263	220	435	395	343	310
21	503	491	565	530	523	502	275	205	426	390	370	342
22	506	488	632	534	769	518	223	191	438	422	388	345
23	503	490	604	535	763	312	247	184	450	432	377	347
24	504	491	609	529	427	378	208	176	460	441	401	376
25	502	490	632	526	436	386	243	208	475	453	407	383
26	505	488	675	528	499	435	255	232	490	468	398	345
27	507	488	609	526	511	492	257	231	502	483	370	345
28	511	495	589	519	511	383	291	256	514	493	383	365
29	517	501	625	531	443	211	319	287	525	506	383	370
30	531	501	542	525	351	249	325	310	537	517	376	337
31	---	---	616	533	---	---	313	282	546	482	---	---
MONTH	624	378	675	474	769	211	563	147	546	153	526	98
YEAR	769	98										

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF -1.60 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	490	479	490	483	425	418	431	424	443	433	529	520
2	493	484	487	480	433	422	426	415	440	434	535	521
3	494	488	484	476	436	429	423	414	440	429	530	522
4	503	488	480	472	439	433	429	420	436	431	544	436
5	504	498	476	469	441	435	434	424	436	429	555	422
6	501	469	473	465	441	436	427	415	453	430	461	447
7	487	473	470	463	443	437	422	411	482	450	460	423
8	494	478	467	461	446	439	425	417	512	479	452	427
9	503	490	466	458	445	439	421	373	514	505	449	430
10	511	493	462	456	445	438	402	359	521	502	452	431
11	517	503	461	454	447	442	409	394	526	506	461	451
12	517	506	460	453	446	439	407	394	518	509	465	459
13	517	507	458	451	444	435	415	405	513	504	463	456
14	512	505	456	444	439	429	421	412	507	498	461	452
15	511	503	447	438	439	428	427	418	503	498	458	445
16	512	502	448	439	429	420	430	422	511	499	467	456
17	515	499	450	440	425	417	429	423	508	502	538	467
18	512	499	445	440	433	420	430	423	509	502	566	538
19	509	501	443	432	434	428	431	424	506	499	570	556
20	511	500	436	429	435	429	431	424	514	505	585	558
21	508	497	439	429	437	429	428	422	518	511	578	501
22	507	498	441	431	439	430	430	422	519	514	554	514
23	507	498	437	429	440	427	456	422	519	510	556	537
24	511	500	438	428	432	425	426	419	514	509	544	532
25	509	499	445	435	435	427	431	421	516	506	544	531
26	512	502	447	425	436	429	432	426	510	503	554	535
27	514	496	437	421	435	427	439	427	518	506	558	547
28	500	485	429	419	462	426	445	436	523	514	565	557
29	503	494	427	418	433	427	443	435	---	---	560	388
30	502	488	425	418	432	426	442	434	---	---	417	288
31	494	485	---	---	433	426	444	436	---	---	388	291
MONTH	517	469	490	418	462	417	456	359	526	429	585	288

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	426	388	514	501	667	556	357	270	354	294	504	464
2	539	426	523	510	687	536	428	329	353	225	473	367
3	588	539	524	507	554	535	460	401	248	219	452	392
4	601	586	524	514	577	553	518	460	252	244	432	382
5	608	596	525	516	586	543	517	417	254	234	485	432
6	612	596	523	508	641	539	498	359	237	196	508	474
7	611	604	519	507	640	554	527	447	196	167	479	305
8	609	595	523	498	629	575	556	448	197	176	332	193
9	600	594	509	501	639	500	566	379	212	189	297	191
10	600	586	509	503	500	450	548	392	219	210	331	263
11	605	592	509	503	470	450	406	280	211	134	330	278
12	604	591	507	503	470	462	343	268	152	137	367	330
13	593	576	511	505	480	465	361	341	184	152	428	343
14	580	551	509	500	486	473	359	142	191	182	351	101
15	553	532	508	500	486	425	191	151	350	191	144	109
16	538	517	515	508	478	427	263	190	380	350	150	132
17	522	508	524	509	493	476	290	263	399	376	191	146
18	511	500	533	519	502	488	265	212	410	363	244	191
19	505	494	584	529	509	501	238	211	428	362	283	145
20	497	491	606	536	508	497	279	238	428	393	307	279
21	496	489	657	541	522	507	290	230	420	391	334	306
22	494	486	654	542	768	521	242	213	433	419	350	327
23	496	487	651	543	764	315	269	220	445	431	348	262
24	498	490	638	536	424	374	230	198	451	437	285	262
25	499	490	625	538	440	390	262	230	467	451	341	285
26	497	490	671	539	495	439	273	258	485	464	322	263
27	501	492	692	526	506	492	267	249	490	473	291	261
28	505	494	646	527	509	384	302	261	504	488	311	290
29	510	500	628	540	446	209	325	296	516	502	319	310
30	510	500	544	539	351	249	356	324	526	513	332	291
31	---	---	656	544	---	---	349	318	535	471	---	---
MONTH	612	388	692	498	768	209	566	142	535	134	508	101
YEAR	768	101										

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE-HEIGHT OF -0.50 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.8	24.9	22.2	20.8	19.3	18.0	15.0	13.7	20.8	20.1	23.0	22.1
2	25.7	24.5	21.8	20.6	19.6	18.4	13.8	13.2	20.7	20.0	23.1	22.3
3	25.3	24.7	21.6	20.4	19.5	18.9	14.2	13.2	20.0	18.6	23.5	22.7
4	26.2	24.8	21.7	20.5	19.2	18.0	14.2	13.6	18.8	18.6	23.5	21.7
5	26.2	24.9	21.9	21.0	18.8	18.3	13.8	12.6	19.0	18.2	21.7	19.7
6	25.6	25.0	22.2	21.4	18.5	17.3	13.4	12.5	18.2	16.4	19.7	18.7
7	26.1	25.0	22.5	21.6	18.7	18.0	14.0	12.6	18.4	16.3	18.9	17.6
8	25.5	24.6	22.7	21.9	19.6	18.3	15.5	13.9	19.1	17.2	18.5	16.9
9	24.8	22.2	22.8	22.2	20.4	19.3	15.7	13.5	19.8	18.0	18.7	16.6
10	22.3	21.1	23.3	22.7	21.1	19.9	13.5	12.6	20.6	18.7	20.1	18.5
11	22.4	21.1	22.8	21.3	21.6	21.0	14.6	12.9	21.4	19.6	20.5	19.2
12	22.7	21.3	21.5	20.4	21.9	21.3	15.9	14.4	22.0	20.8	21.6	19.4
13	22.9	21.5	21.3	20.1	21.9	21.1	15.8	15.1	22.4	21.2	21.7	21.5
14	23.3	21.9	21.7	21.0	22.1	21.1	16.7	15.1	22.6	21.3	21.7	21.3
15	23.2	21.8	21.5	19.9	22.6	21.7	17.7	16.2	22.6	21.2	23.1	21.4
16	22.7	21.2	20.4	18.9	22.6	21.9	18.5	17.1	22.5	21.2	23.3	22.5
17	22.3	20.7	21.6	20.4	22.6	20.6	19.2	18.0	22.4	21.2	23.2	22.3
18	22.4	20.6	21.5	20.7	20.6	18.8	19.8	18.8	21.8	20.4	22.3	21.2
19	22.4	20.7	21.9	21.0	19.0	17.5	20.5	19.0	21.1	19.7	21.3	20.9
20	22.7	21.2	21.9	20.2	17.7	16.2	20.6	18.6	21.4	20.0	21.7	21.0
21	22.9	21.8	20.2	18.6	16.2	15.1	18.6	16.8	22.1	21.0	21.0	19.6
22	23.0	21.9	18.6	17.4	16.7	15.6	16.8	15.9	22.1	20.7	20.7	18.9
23	23.0	21.9	18.4	17.2	17.0	15.7	16.4	15.6	22.3	21.1	20.8	18.6
24	23.1	22.1	19.4	18.1	17.8	16.7	16.3	15.0	22.7	21.5	21.2	18.9
25	23.2	22.2	21.0	19.2	17.9	16.9	16.0	14.7	23.2	22.1	21.4	19.7
26	23.2	22.2	21.1	20.6	18.3	17.3	15.9	14.6	23.5	22.4	21.4	20.2
27	23.1	22.1	20.6	19.3	19.0	17.6	16.2	14.8	23.4	22.3	21.0	19.4
28	22.6	21.3	19.7	18.3	19.3	18.8	16.9	15.2	23.2	22.3	21.3	19.4
29	22.5	21.2	19.2	18.1	19.2	17.9	17.7	16.1	---	---	21.3	19.1
30	22.6	21.4	19.3	18.4	17.9	16.3	19.1	17.5	---	---	19.1	18.0
31	22.6	21.7	---	---	16.3	15.0	20.5	19.0	---	---	20.1	19.1
MONTH	26.2	20.6	23.3	17.2	22.6	15.0	20.6	12.5	23.5	16.3	23.5	16.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.8	19.8	23.8	22.5	27.2	25.9	25.9	24.5	26.5	25.7	27.1	25.6
2	20.7	19.5	24.1	22.9	26.5	25.1	26.7	25.0	26.0	24.4	26.7	25.7
3	21.0	19.2	23.8	22.9	27.6	25.7	27.3	25.7	24.8	24.2	27.7	26.0
4	21.8	19.7	24.4	22.4	27.7	26.1	27.3	25.9	25.2	24.6	27.1	26.1
5	22.4	20.4	25.1	23.3	27.9	26.3	27.1	25.7	25.5	24.9	27.2	25.9
6	22.8	21.2	25.0	23.4	27.5	25.9	27.4	25.6	25.9	25.2	26.8	25.7
7	23.1	21.6	24.7	23.1	27.0	26.0	27.2	25.8	25.9	25.1	25.9	25.2
8	23.7	22.5	24.8	23.4	27.0	25.1	27.0	25.6	26.6	25.8	25.8	24.9
9	24.3	22.8	24.2	22.9	27.6	26.0	26.2	25.1	26.9	26.5	25.8	24.9
10	24.2	22.7	24.1	22.6	27.9	26.5	26.0	25.1	27.0	26.3	25.9	25.5
11	24.7	22.9	24.3	22.7	27.9	26.6	25.1	24.8	26.4	25.4	26.2	25.5
12	24.7	23.1	24.8	22.7	27.9	26.4	26.0	24.8	26.5	25.6	26.2	25.7
13	25.2	23.4	25.4	23.3	28.5	26.8	25.8	25.5	27.1	26.3	25.8	25.2
14	25.5	23.5	25.7	23.7	27.9	26.6	25.9	25.4	27.6	26.8	25.2	22.9
15	25.5	23.8	25.3	24.0	26.7	25.7	25.7	25.2	27.4	26.9	22.9	22.8
16	25.5	24.0	25.7	24.0	27.1	25.5	25.7	24.9	27.5	26.6	23.0	22.5
17	25.0	22.8	26.0	24.2	27.2	25.8	25.9	25.3	27.9	26.9	23.5	22.8
18	24.0	21.5	25.7	24.3	27.1	25.7	25.6	25.0	28.1	27.2	24.2	23.4
19	22.0	20.1	25.7	24.0	27.2	25.8	26.2	25.4	27.5	26.9	25.0	24.2
20	22.6	20.9	25.6	24.0	26.9	25.5	26.5	25.8	27.5	26.6	25.6	24.8
21	23.0	21.6	25.6	24.1	26.8	25.7	26.4	25.8	27.2	26.5	26.0	25.2
22	23.2	22.1	26.7	25.0	25.9	25.1	26.3	25.7	27.4	26.3	26.2	25.6
23	23.9	22.5	27.3	26.0	25.1	23.2	26.1	25.2	27.5	26.5	26.3	25.6
24	24.6	23.5	27.1	25.7	24.0	23.3	25.3	24.8	27.6	26.4	26.3	25.8
25	24.1	23.4	26.7	25.5	25.0	23.2	26.0	25.2	27.7	26.5	26.2	25.7
26	24.6	23.0	27.1	25.6	26.4	24.3	26.5	25.7	27.6	26.4	26.0	25.3
27	24.0	22.3	26.7	25.0	26.3	25.1	26.2	25.6	27.1	25.8	25.3	24.9
28	23.6	22.6	26.4	25.2	26.1	24.9	26.7	25.6	27.3	25.9	24.9	24.7
29	22.9	22.3	27.1	25.4	25.5	24.2	27.3	26.2	27.4	26.0	24.8	24.3
30	23.1	22.1	27.8	25.8	25.4	24.0	27.4	26.6	27.3	26.1	24.3	23.5
31	---	---	27.7	26.1	---	---	27.1	26.1	26.9	25.9	---	---
MONTH	25.5	19.2	27.8	22.4	28.5	23.2	27.4	24.5	28.1	24.2	27.7	22.5
YEAR	28.5	12.5										

02301638 ALAFIA RIVER AT BELL SHOALS NEAR RIVERVIEW, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF -1.60 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.8	24.9	22.2	20.8	19.3	18.0	15.0	13.8	20.8	20.1	23.0	22.1
2	25.7	24.5	21.9	20.6	19.7	18.4	13.9	13.2	20.7	20.0	23.1	22.4
3	25.3	24.7	21.6	20.4	19.6	18.9	14.2	13.2	20.0	18.6	23.6	22.7
4	26.2	24.8	21.8	20.6	19.2	18.0	14.2	13.6	18.9	18.6	23.6	21.7
5	26.2	24.9	21.9	21.0	18.9	18.3	13.8	12.7	19.0	18.2	21.7	19.8
6	25.6	25.0	22.2	21.4	18.5	17.4	13.5	12.5	18.2	16.4	19.8	18.7
7	26.2	25.0	22.5	21.6	18.7	18.0	14.1	12.6	18.4	16.3	18.9	17.6
8	25.5	24.6	22.8	21.9	19.6	18.3	15.5	14.0	19.1	17.2	18.6	16.8
9	24.8	22.2	22.8	22.3	20.5	19.3	15.7	13.5	19.8	18.0	18.7	16.6
10	22.3	21.1	23.3	22.7	21.1	19.9	13.5	12.6	20.5	18.7	20.1	18.5
11	22.5	21.1	22.8	21.3	21.6	21.0	14.6	12.9	21.4	19.6	20.5	19.2
12	22.8	21.3	21.5	20.4	22.0	21.4	16.0	14.4	22.1	20.8	21.6	19.4
13	22.9	21.5	21.3	20.1	21.9	21.2	15.9	15.1	22.4	21.2	21.7	21.5
14	23.3	21.9	21.7	21.1	22.2	21.1	16.7	15.2	22.6	21.3	21.7	21.3
15	23.2	21.9	21.6	19.9	22.6	21.7	17.7	16.3	22.6	21.2	23.1	21.4
16	22.7	21.3	20.4	18.9	22.7	21.9	18.5	17.1	22.6	21.2	23.3	22.5
17	22.3	20.7	21.6	20.4	22.6	20.6	19.2	18.0	22.4	21.2	23.2	22.4
18	22.4	20.6	21.6	20.8	20.6	18.8	19.8	18.8	21.8	20.4	22.4	21.2
19	22.4	20.8	21.9	21.0	19.1	17.6	20.4	19.0	21.1	19.8	21.4	20.9
20	22.7	21.2	21.9	20.2	17.8	16.3	20.6	18.6	21.4	20.1	21.7	21.0
21	22.9	21.8	20.2	18.6	16.3	15.1	18.6	16.8	22.1	21.0	21.0	19.6
22	23.1	21.9	18.6	17.5	16.7	15.6	16.8	15.9	22.1	20.7	20.7	19.0
23	23.0	21.9	18.4	17.2	17.1	15.7	16.4	15.6	22.3	21.1	20.8	18.6
24	23.2	22.1	19.4	18.1	17.8	16.7	16.3	15.0	22.7	21.5	21.2	19.0
25	23.3	22.2	21.0	19.2	18.0	16.9	16.1	14.7	23.2	22.1	21.4	19.7
26	23.3	22.3	21.1	20.6	18.3	17.3	15.8	14.6	23.5	22.4	21.4	20.2
27	23.1	22.1	20.6	19.3	19.0	17.6	16.2	14.7	23.4	22.3	21.0	19.4
28	22.6	21.3	19.7	18.3	19.4	18.8	16.9	15.1	23.2	22.3	21.3	19.5
29	22.6	21.2	19.2	18.1	19.2	18.0	17.7	16.1	---	---	21.3	19.1
30	22.6	21.5	19.4	18.4	18.0	16.4	19.1	17.5	---	---	19.1	18.0
31	22.6	21.7	---	---	16.4	15.0	20.5	19.0	---	---	20.1	19.1
MONTH	26.2	20.6	23.3	17.2	22.7	15.0	20.6	12.5	23.5	16.3	23.6	16.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.9	19.8	23.8	22.5	27.2	26.0	25.9	24.5	26.6	25.7	27.1	25.6
2	20.7	19.5	24.1	22.9	26.4	25.1	26.7	25.0	26.1	24.4	26.7	25.8
3	21.1	19.2	23.9	22.9	27.6	25.7	27.3	25.7	24.9	24.3	27.7	26.0
4	21.8	19.7	24.4	22.5	27.7	26.2	27.3	26.0	25.2	24.6	27.1	26.2
5	22.4	20.4	25.1	23.4	27.9	26.3	27.1	25.7	25.5	24.9	27.3	26.0
6	22.8	21.3	25.1	23.4	27.4	25.9	27.4	25.6	25.9	25.2	26.8	25.7
7	23.2	21.7	24.8	23.0	26.8	26.1	27.2	25.8	25.9	25.1	26.0	25.3
8	23.8	22.5	24.8	23.5	27.0	25.2	27.0	25.6	26.6	25.8	25.8	24.9
9	24.4	22.8	24.2	22.9	27.6	26.0	26.2	25.1	26.9	26.5	25.8	24.9
10	24.2	22.7	24.1	22.7	27.9	26.5	26.0	25.1	27.1	26.3	25.9	25.5
11	24.8	23.0	24.3	22.7	27.9	26.6	25.2	24.8	26.4	25.5	26.2	25.5
12	24.7	23.1	24.8	22.7	27.8	26.4	26.0	24.8	26.5	25.7	26.3	25.8
13	25.2	23.4	25.4	23.3	28.5	26.8	25.8	25.5	27.2	26.4	25.9	25.2
14	25.5	23.5	25.6	23.7	27.9	26.6	25.9	25.4	27.6	26.9	25.2	22.9
15	25.5	23.9	25.3	24.0	26.7	25.7	25.8	25.2	27.4	26.9	22.9	22.8
16	25.6	24.0	25.7	24.0	27.1	25.5	25.8	25.0	27.6	26.6	23.1	22.5
17	25.0	22.8	26.0	24.2	27.2	25.9	25.9	25.3	27.9	26.9	23.5	22.8
18	24.0	21.5	25.7	24.4	27.0	25.7	25.6	25.1	28.1	27.2	24.3	23.5
19	22.0	20.1	25.7	24.0	27.2	25.8	26.2	25.4	27.5	26.9	25.0	24.3
20	22.6	20.9	25.6	24.1	26.9	25.5	26.5	25.8	27.5	26.6	25.6	24.8
21	23.0	21.6	25.6	24.1	26.8	25.7	26.4	25.8	27.2	26.6	26.0	25.2
22	23.2	22.1	26.7	25.0	25.9	25.1	26.3	25.8	27.4	26.3	26.2	25.6
23	24.0	22.5	27.3	26.0	25.1	23.2	26.1	25.2	27.6	26.6	26.3	25.7
24	24.5	23.5	27.1	25.7	24.0	23.3	25.4	24.8	27.7	26.5	26.3	25.8
25	24.1	23.4	26.7	25.6	25.0	23.3	26.1	25.2	27.8	26.5	26.2	25.8
26	24.6	23.0	27.1	25.6	26.5	24.3	26.6	25.7	27.6	26.4	26.0	25.4
27	24.0	22.2	26.7	25.0	26.3	25.1	26.2	25.7	27.2	25.8	25.4	24.9
28	23.6	22.5	26.5	25.3	26.1	24.9	26.7	25.6	27.4	25.9	25.0	24.7
29	22.9	22.4	27.0	25.4	25.5	24.2	27.4	26.2	27.5	26.0	24.9	24.3
30	23.1	22.2	27.7	25.8	25.4	24.1	27.5	26.6	27.3	26.1	24.3	23.5
31	---	---	27.7	26.2	---	---	27.1	26.1	27.0	25.9	---	---
MONTH	25.6	19.2	27.7	22.5	28.5	23.2	27.5	24.5	28.1	24.3	27.7	22.5
YEAR	28.5	12.5										

ALAFIA RIVER BASIN

02301718 ALAFIA RIVER AT RIVERVIEW, FL

LOCATION.--Lat 27°52'03", long 82°19'12", in SE ¼ sec.17, T.30 S., R.20 E., Hillsborough County, Hydrologic Unit 03100204, on right bank on wooden private dock about 0.4 mi upstream from Highway 301 bridge.
DRAINAGE AREA.--414 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--May 1999 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.31 ft, Sept. 17, 2000; minimum, 2.43 ft below NGVD, Jan. 10, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.81 ft, July 23; minimum, 2.43 ft below NGVD, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.88	-.38	2.17	-.37	1.29	-1.02	.80	-1.28	1.36	-.42	1.82	-.77
2	1.69	-.74	2.33	-.27	1.54	-.75	.50	-1.51	.40	-1.06	1.99	-.50
3	1.60	-.66	2.02	-.36	1.34	-.70	.74	-1.07	.72	-1.91	2.49	-.53
4	2.58	.07	1.72	-.22	.69	-.98	.92	-.94	1.24	-1.74	2.32	-.21
5	2.04	-.23	1.88	.02	1.09	-.72	2.00	-1.13	1.28	-1.88	1.66	-1.23
6	1.94	-.09	2.25	.62	1.82	-.38	1.82	-1.05	1.53	-1.99	1.52	-1.68
7	2.01	-.31	2.20	.11	1.82	-.55	2.34	-1.24	1.59	-2.02	1.48	-1.87
8	1.51	-.62	2.57	.49	2.29	-.82	2.34	-1.04	1.69	-2.04	1.69	-1.73
9	.77	-1.58	2.80	.36	2.48	-.97	2.38	-1.82	1.60	-1.78	2.05	-1.09
10	.82	-1.18	2.92	.32	2.52	-1.07	1.34	-2.43	1.66	-1.48	2.71	-.63
11	1.35	-.71	2.37	-.81	2.76	-1.17	1.93	-1.66	1.26	-1.40	1.74	-.79
12	1.67	-.52	2.34	-.81	2.94	-1.01	2.17	-1.01	1.17	-1.06	2.10	-.52
13	2.01	-.65	2.66	-.77	2.55	-1.29	1.24	-1.70	1.25	-1.07	2.34	-.56
14	2.23	-.44	3.14	-.44	2.86	-1.06	1.29	-1.08	1.26	-1.01	1.68	-.59
15	2.17	-.59	2.04	-1.38	2.24	-1.12	1.10	-.82	1.41	-1.00	2.59	-.52
16	2.31	-.59	2.13	-.67	1.93	-.48	1.42	-.54	1.39	-1.06	2.11	-.22
17	2.58	-.46	2.49	-.16	2.58	-.64	1.38	-.67	1.43	-1.11	1.12	-.64
18	2.38	-.57	1.76	-.80	1.23	-.61	1.69	-.88	.61	-1.88	1.15	-1.54
19	2.36	-.62	1.83	.04	1.79	-.53	2.03	-.77	1.85	-2.08	1.63	-1.28
20	2.11	-.42	2.04	-1.34	1.03	-1.27	1.76	-.81	1.84	-1.21	1.89	.35
21	2.19	-.67	.55	-1.16	1.54	-1.01	.72	-2.31	1.72	-1.16	1.99	-.29
22	2.06	-.69	1.17	-1.78	1.33	-1.33	.73	-2.20	1.89	-1.05	1.30	-1.27
23	1.78	-.62	1.35	-1.06	1.07	-2.22	.73	-2.05	1.97	-.98	1.18	-1.22
24	1.46	-.47	3.13	-.79	1.00	-1.95	1.00	-1.74	1.43	-1.14	1.35	-.93
25	1.84	-.32	3.13	-.18	1.12	-2.37	1.43	-1.74	1.72	-.81	1.69	-.74
26	2.25	-.26	2.83	-.71	1.80	-2.12	.74	-1.94	1.70	-.79	1.61	-1.18
27	2.23	-.28	2.14	-1.22	2.03	-.92	1.05	-1.44	1.43	-.78	1.26	-1.53
28	2.25	-.52	2.24	-1.26	2.50	-.38	1.30	-1.28	1.57	-.72	1.75	-1.40
29	2.57	-.40	1.74	-1.26	2.41	-1.27	1.34	-.97	---	---	2.69	-1.02
30	2.46	-.42	1.73	-1.40	1.60	-1.12	1.56	-.19	---	---	2.55	-.69
31	2.09	-.65	---	---	.38	-1.71	1.44	-.21	---	---	1.91	-.33
MONTH	2.58	-1.58	3.14	-1.78	2.94	-2.37	2.38	-2.43	1.97	-2.08	2.71	-1.87

02301718 ALAFIA RIVER AT RIVERVIEW, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.47	-.67	1.39	-1.85	2.15	-.53	1.91	-.29	2.08	-1.13	2.56	-.43
2	1.33	-1.17	1.32	-1.04	2.30	-.55	2.09	-.72	2.17	-.80	2.57	-.35
3	1.89	-1.25	1.45	-.91	2.13	-.88	2.22	-.88	2.97	-.13	2.48	-.18
4	2.03	-.97	1.18	-1.07	2.21	-1.19	2.57	-.96	3.12	-.14	2.42	-.27
5	2.03	-.99	1.44	-.99	2.16	-1.13	2.73	-.80	2.90	-.03	2.40	-.03
6	1.87	-.87	1.74	-1.12	2.32	-1.24	2.40	-.94	2.38	-.26	2.11	-.23
7	1.79	-.86	2.00	-1.32	2.40	-1.13	2.53	-.84	2.06	-.20	2.07	-.11
8	1.88	-.83	1.69	-1.34	2.17	-1.10	2.41	-.69	1.93	-.17	2.26	.04
9	2.03	-1.03	2.18	-1.15	2.20	-1.10	2.19	-.65	1.85	-.11	2.23	.12
10	1.92	-1.09	2.51	-.92	2.25	-1.10	2.34	-.43	1.71	-.01	2.21	-.38
11	2.64	-.90	2.24	-.90	2.23	-.91	1.88	-.37	1.72	.02	1.85	-.62
12	2.29	-.68	2.08	-.90	1.81	-.24	1.86	.16	1.84	-.06	2.37	-.52
13	2.20	-.68	2.17	-.83	1.44	-.26	1.99	.44	1.79	-.32	2.21	-.63
14	2.03	-.72	1.71	-.76	1.39	-.42	1.82	-.06	2.18	-.34	2.55	-.12
15	1.84	-.54	1.53	-.78	1.37	-.50	1.78	-.43	2.55	-.45	2.92	1.05
16	1.32	-.40	1.57	-.27	1.60	-.54	1.83	-.40	2.74	-.64	2.90	1.11
17	1.29	-.84	1.56	-.33	1.55	-.85	2.41	-.56	2.68	-.87	2.92	.77
18	.75	-1.89	1.65	-.23	1.77	-1.17	2.66	-.76	2.94	-.68	2.92	.55
19	.95	-1.24	1.77	-.50	2.01	-1.56	2.82	-.95	3.35	-.53	2.72	.29
20	1.51	-1.07	2.09	-.67	2.14	-1.59	2.66	-1.06	2.94	-.48	2.66	.12
21	1.60	-.88	2.44	-.66	2.48	-1.63	3.52	-.45	2.50	-.38	2.95	.13
22	1.36	-1.18	2.63	-.86	2.41	-1.36	3.24	-.19	2.29	-.27	2.60	-.03
23	1.90	-1.08	2.79	-1.07	2.50	-1.25	4.81	.04	2.14	-.11	2.33	-.11
24	2.04	-1.13	2.39	-1.35	2.26	-1.30	2.70	.16	1.90	-.16	2.45	.26
25	2.08	-1.29	2.97	-1.19	2.08	-1.36	2.39	.06	1.97	-.41	2.54	-.12
26	1.36	-2.14	2.63	-1.19	1.73	-1.21	1.79	-.11	1.80	-.53	1.60	-.51
27	1.57	-2.22	2.54	-1.19	1.24	-1.04	1.59	-.11	1.82	-.53	1.96	-.28
28	2.07	-1.67	2.31	-.97	1.32	-1.00	1.49	-.56	1.90	-.78	2.27	-.10
29	1.29	-1.39	2.06	-.73	1.66	-.31	1.56	-.74	2.09	-.66	2.17	-.71
30	1.14	-1.69	1.39	-.63	1.74	-.35	1.71	-.75	2.21	-.56	1.55	-.47
31	---	---	1.66	-.70	---	---	1.71	-1.07	2.46	-.39	---	---
MONTH	2.64	-2.22	2.97	-1.85	2.50	-1.63	4.81	-1.07	3.35	-1.13	2.95	-.71
YEAR	4.81	-2.43										

02301718 ALAFIA RIVER AT RIVERVIEW, FL--Continued

PERIOD OF RECORD.--May 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located at a gage height of approximately -1.50 ft for the top probe and a gage height of approximately -4.85 ft for the bottom probe.
REMARKS.--Specific conductance records fair, temperature records good. Interruptions in record were due to malfunctions of the instruments or silt and debris buildup in probe.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 41,700 microsiemens, May 11, 2001; bottom probe maximum, 41,800 microsiemens, Nov. 4, 2000; top probe minimum, 87 microsiemens, Sept. 15, 2001; bottom probe minimum, 86 microsiemens, Sept. 15, 2001.
TEMPERATURE.--Top probe maximum, 32.6°C, June 13, 2001; bottom probe maximum, 32.7°C, June 15, 2001; top probe minimum, 11.5°C, Jan. 5, 2001; bottom probe minimum, 13.3°C, Jan. 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 41,700 microsiemens, May 11; bottom probe maximum, 41,800 microsiemens, Nov. 4; top probe minimum, 87 microsiemens, Sept. 15; bottom probe minimum, 86 microsiemens, Sept. 15.
TEMPERATURE.--Top probe maximum, 32.6°C, June 13; bottom probe maximum, 32.7°C, June 15; top probe minimum, 11.5°C, Jan. 5; bottom probe minimum, 13.3°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF APPROXIMATELY -1.5 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11900	1140	33600	14400	31600	9510	24600	3630	22200	6000	19500	9140
2	14800	1850	36900	15900	33700	10600	23000	6910	18900	7940	19300	8130
3	21600	3590	38700	15000	31300	9730	19000	5860	21800	9280	24100	6880
4	32500	6330	37400	19400	29600	8570	17600	6360	28900	9470	24700	7060
5	19600	5670	35700	19200	30300	11500	26000	7660	30500	11200	15600	6550
6	27200	5280	34100	25300	33400	12400	27000	8700	27000	9540	13500	4630
7	19500	5220	35400	20000	35700	13500	27700	6650	27600	8660	9710	2980
8	20100	3800	34800	22300	34100	13000	28200	9270	30400	8050	16500	1580
9	13000	4260	35200	20200	35100	14700	28400	9420	26900	9220	23300	4240
10	17100	3920	33200	17000	33600	15400	19700	6740	27100	7320	27300	5960
11	24300	3740	26400	15800	32800	15100	35200	7280	22600	6480	21800	7370
12	32700	6280	24700	14000	35000	12800	31800	8660	23800	6760	25400	7560
13	33000	7690	27200	13800	33200	7050	23200	8330	27100	6850	26100	7040
14	34500	9140	29400	14600	34800	10900	24900	7450	22200	7160	24200	6220
15	34300	10000	26600	12600	33400	10900	25900	6540	19700	7430	28600	7150
16	33000	10600	28300	12200	34300	12000	31100	6430	24300	6090	22900	6800
17	32900	10400	33500	13400	34500	10300	27000	8220	24900	6000	26300	4840
18	34500	10500	24700	12800	22200	6920	27000	7890	17000	7420	25700	8470
19	32300	10100	24600	15700	26400	10300	30000	8740	35300	8620	32300	10900
20	35900	10600	17300	12400	17900	8690	32100	7810	37800	10400	33600	14700
21	36900	14900	13700	10200	25400	7240	17400	8920	35900	11500	23300	11600
22	34400	17000	14900	2090	26600	8370	19200	8350	32000	11400	17100	7370
23	32100	13900	21100	9480	23300	9560	19900	8010	28700	13300	16500	6300
24	30700	10100	33900	11300	26100	10100	18800	6850	25700	13600	18400	5980
25	33600	11500	34200	17600	24300	7740	23300	6980	28500	12200	21100	6060
26	35400	13400	30900	14300	30400	10300	16600	6320	25900	11800	20700	6040
27	36100	13000	26600	11000	37400	11400	18300	4360	21600	10000	18300	5600
28	33000	13000	26400	11000	37600	12500	25200	6570	21300	9640	25800	5620
29	31600	12700	26600	10400	26800	6460	28700	6620	---	---	31300	6310
30	32800	13600	31700	9200	25700	8920	31000	9020	---	---	8200	891
31	33100	12700	---	---	19100	6750	26400	7280	---	---	891	703
MONTH	36900	1140	38700	2090	37600	6460	35200	3630	37800	6000	33600	703

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF APPROXIMATELY -1.5 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	848	782	35900	7640	28200	18200	10200	854	536	349	16800	3480
2	1670	848	39000	16400	28800	20300	12200	638	396	306	7580	1390
3	9900	1290	38900	19200	27800	18100	23200	1760	306	251	3080	646
4	10100	3240	32900	20800	35500	15400	24100	4260	301	280	3040	631
5	13300	2870	32800	21700	34600	15500	21900	3220	306	288	8050	625
6	21400	2630	32300	22300	34600	14300	19300	2530	301	277	5270	922
7	22500	4800	35000	20100	34800	13000	24500	2960	279	204	3630	296
8	16700	2490	35900	17800	27900	10300	18400	3450	296	250	364	267
9	13300	1730	39000	18400	24900	10300	16800	3220	337	296	270	188
10	14500	2450	39800	20400	24000	9680	7780	2570	367	337	326	235
11	27600	2680	41700	21700	24600	9310	4790	348	356	237	356	284
12	22400	4300	39600	23000	28000	8820	367	330	257	238	480	314
13	17200	5510	36900	23100	27100	8540	526	355	322	257	1200	390
14	15700	5370	34100	21600	25800	7800	423	334	345	321	641	95
15	14400	5040	35500	15600	29400	9030	337	206	373	342	126	87
16	9580	4580	33700	16400	28500	12300	336	232	399	362	148	125
17	11000	4730	32700	14600	24000	15000	363	309	434	375	201	147
18	9860	4990	31500	17700	26600	13000	356	268	444	379	268	201
19	26700	5220	30000	17000	32300	13800	328	268	462	359	340	267
20	33100	7600	27600	20400	32300	13600	414	305	467	429	378	340
21	30100	10400	29600	18000	33000	14300	416	281	462	438	406	371
22	25600	13300	30100	18400	30300	12800	303	250	489	447	444	399
23	29900	14200	31500	18200	29400	7580	4190	282	1770	472	434	388
24	32800	14200	33300	18700	22200	5740	282	227	1530	579	447	409
25	30900	13000	34700	19000	19400	5180	317	267	2000	707	436	415
26	26800	13300	31100	18900	26700	4690	345	317	3650	685	437	418
27	32800	11200	30100	18800	19700	5400	342	313	6760	730	428	389
28	35600	12300	30000	17700	25400	7910	354	316	16400	194	435	404
29	33700	13500	30400	16200	21500	5320	382	345	16400	3430	446	418
30	31600	15700	29000	15600	9660	1710	400	374	20200	3720	440	405
31	---	---	29000	15000	---	---	421	398	21500	3610	---	---
MONTH	35600	782	41700	7640	35500	1710	24500	206	21500	194	16800	87
YEAR	41700	87										

02301718 ALAFIA RIVER AT RIVERVIEW, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF APPROXIMATELY -4.8 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16200	1620	36300	21900	33700	12500	29700	7940	35700	26000	24800	11500
2	24200	2340	39300	29200	36100	20300	30300	10000	34400	21400	24200	12700
3	30600	8680	41400	25400	34900	15500	31900	15100	31700	13900	28000	16800
4	35300	7780	41800	27600	34000	17600	31200	12600	33000	13100	30000	22000
5	34300	8000	40000	25900	34800	19600	32100	10500	32800	13200	28000	7400
6	36800	6120	39100	32200	37100	25500	31600	12700	28700	10800	12600	4590
7	24900	7540	40400	31500	37800	24600	31400	12600	31100	8760	10700	3040
8	23700	6980	39100	32700	36700	19400	30900	12700	33100	9800	21300	1930
9	16600	4370	38700	30800	36600	17500	31600	11600	29300	9980	27500	5050
10	20400	4190	38300	20400	35300	18200	26400	6360	27600	10800	30200	13600
11	29200	7140	33500	18200	35400	15700	39100	7470	24500	10600	25300	11100
12	33600	8930	30400	17100	36700	17900	33800	12700	26600	9300	26900	11100
13	34600	10200	34000	15700	35000	13700	29000	8110	28000	16400	28300	15300
14	34600	12800	36400	18700	37000	17200	28300	10600	30800	20100	27500	13600
15	33700	12700	34500	14600	35900	12000	30200	13300	33400	24500	32900	20800
16	33200	13200	34400	18600	36300	18700	35200	22200	32300	27800	31200	21300
17	33600	13300	37200	16900	37700	13000	36100	20900	31300	20100	31900	23200
18	35000	13700	32200	15700	27500	13500	36600	15800	27900	10600	32600	19200
19	32400	12400	34800	19400	30100	15100	36600	15700	37800	9770	34500	23500
20	36100	22600	34100	14000	21500	13200	36300	11500	38600	25400	36200	23600
21	38400	19700	25800	11600	32000	9430	19800	9070	35000	23800	33400	13700
22	33700	19800	22400	10700	32100	11100	21000	8140	30700	19500	22400	8760
23	32500	20200	32900	11400	29300	9420	22600	7390	29700	18300	18000	7720
24	31100	18700	38900	15100	30300	10500	21800	7940	28100	14400	22100	8650
25	33900	20400	39200	21400	30400	10200	24900	7390	30100	18200	22400	9540
26	36500	20800	36500	17200	35500	11200	20200	6160	27900	14900	24600	8030
27	36800	21800	32300	14400	40600	19500	22600	7520	24100	13900	19800	7190
28	34600	18400	31800	12800	40300	24600	25800	8420	23400	12600	28200	6090
29	32400	18500	31600	13200	35600	13300	29300	12000	---	---	35000	10800
30	33600	18500	33400	11100	29700	11400	31100	18100	---	---	24600	868
31	34000	17900	---	---	24000	8750	35400	21100	---	---	868	763
MONTH	38400	1620	41800	10700	40600	8750	39100	6160	38600	8760	36200	763

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	920	848	35000	21500	32600	21600	31400	919	2240	338	25300	4220
2	32300	918	36100	29200	30800	20300	33200	1410	387	298	20500	1750
3	33300	1760	36000	27900	32300	18100	34700	5480	301	243	14700	818
4	32900	5960	31700	26300	37800	17800	33000	5920	297	272	15400	921
5	24800	3860	31200	24900	36000	20000	28900	3680	297	278	16800	1150
6	27100	6590	30700	21900	36200	21300	30600	3470	292	266	17700	1120
7	26700	6140	30200	22900	35100	21300	30700	5300	268	193	9820	298
8	20300	3110	39000	26400	34900	18000	31100	6280	287	242	336	268
9	18700	2160	39100	29800	31500	16500	27800	5800	328	286	276	194
10	19400	3380	40300	32200	30700	16500	29100	2910	359	327	323	240
11	28600	3750	40500	34800	32700	17000	8560	349	349	228	350	286
12	30400	15000	40600	35900	35800	24500	359	321	254	230	2120	340
13	29400	12800	39500	35500	35800	24800	513	345	316	254	19100	451
14	27000	17400	37700	34600	35400	26700	418	327	339	315	3710	93
15	27600	17900	35500	33300	35800	23800	329	202	379	335	121	86
16	22400	12700	36500	33200	34600	19100	321	228	396	357	131	121
17	21700	8260	35600	31800	29800	16700	357	301	435	369	176	129
18	22200	6770	33800	28600	30300	14400	352	261	438	373	222	176
19	34700	12400	32000	23000	34600	16200	373	264	445	351	319	222
20	38900	27200	29900	21800	35500	18000	466	300	461	424	358	318
21	34000	18600	32400	22700	35800	15700	466	274	479	431	389	354
22	28900	14600	32000	22100	36100	15500	300	244	481	443	425	385
23	31300	16000	33500	20600	34000	8620	32800	278	11400	464	426	383
24	34700	19300	33300	23600	30000	8620	282	224	16600	597	442	410
25	32000	17300	34700	21200	27000	6110	319	265	18000	1060	440	426
26	29300	15400	33200	22000	33800	5440	336	315	14600	888	443	428
27	32800	12800	32400	21200	33800	11300	340	309	30200	2830	436	401
28	35500	20000	32800	21100	32400	15200	348	312	33900	9910	444	419
29	35800	25000	34100	25000	35400	15600	376	339	32000	7040	463	435
30	32800	24800	34100	24500	32800	3830	394	369	28900	7610	445	420
31	---	---	33500	24800	---	---	414	392	28500	6960	---	---
MONTH	38900	848	40600	20600	37800	3830	34700	202	33900	193	25300	86
YEAR	41800	86										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF APPROXIMATELY -1.5 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.6	25.5	26.1	23.9	22.1	18.7	17.2	13.5	20.8	19.4	26.7	23.9
2	28.4	25.3	26.0	23.9	22.2	19.2	16.6	12.2	20.4	19.2	26.7	23.8
3	27.8	25.6	25.7	24.2	21.9	18.6	16.1	11.8	19.2	16.8	26.0	23.9
4	29.2	26.4	25.6	24.5	20.0	16.0	15.2	12.0	18.0	17.1	25.5	23.0
5	29.2	26.5	25.7	25.0	20.3	17.6	14.5	11.5	19.3	17.0	23.7	20.8
6	29.2	27.1	25.8	25.2	19.7	17.3	15.9	13.4	19.5	16.6	21.6	20.1
7	28.1	26.4	25.5	24.7	19.5	17.5	15.8	13.0	19.8	17.0	20.7	19.6
8	28.4	25.1	25.2	24.0	20.2	17.9	16.0	14.5	21.7	18.1	21.5	18.6
9	27.3	22.1	25.0	23.6	20.9	18.4	16.1	13.8	21.5	18.9	20.8	18.5
10	23.6	21.1	25.7	23.5	21.6	19.3	16.2	13.2	23.3	19.9	22.5	19.5
11	23.6	21.4	25.0	22.5	21.6	20.5	17.0	14.0	23.7	20.7	22.4	19.4
12	23.8	21.4	24.4	22.0	22.8	21.0	17.9	15.3	24.2	21.7	23.1	20.0
13	23.7	21.5	24.3	21.8	23.7	21.5	17.0	15.1	24.4	21.8	23.1	21.7
14	24.3	22.0	24.4	22.7	24.3	21.9	18.2	15.2	24.9	21.8	22.7	21.3
15	24.8	22.2	23.9	21.3	24.3	22.5	19.1	15.9	25.1	22.0	24.3	21.7
16	25.1	22.2	24.1	21.6	24.6	22.9	20.1	17.2	24.8	21.7	24.8	22.8
17	25.5	22.6	24.6	23.1	24.0	20.8	19.6	17.5	23.8	21.6	24.2	22.4
18	26.0	23.5	24.4	23.0	21.5	17.6	21.0	18.6	23.7	20.3	23.4	20.6
19	26.3	24.0	24.7	24.0	21.2	17.5	21.2	18.8	22.6	20.3	21.8	21.2
20	26.3	24.9	24.4	21.9	18.2	16.7	20.3	17.3	23.0	20.7	22.3	21.2
21	26.0	25.0	22.4	18.4	17.6	14.9	18.0	16.1	24.2	21.2	22.0	19.7
22	26.0	24.5	19.9	17.0	17.5	15.4	17.5	15.5	24.7	21.4	22.4	19.3
23	25.4	23.0	18.8	17.2	18.3	15.7	17.3	15.1	24.2	22.2	23.2	19.9
24	25.4	22.4	18.6	17.5	18.1	16.2	17.3	15.1	24.6	22.1	23.4	20.0
25	24.6	22.6	20.0	18.2	18.6	15.8	18.1	15.4	25.4	22.8	23.7	20.6
26	24.8	22.7	20.2	19.4	19.0	16.4	17.7	14.7	26.2	23.3	23.5	20.9
27	24.9	22.6	20.8	19.2	19.3	16.9	17.4	15.0	26.8	23.4	23.1	20.0
28	24.9	22.1	21.1	19.0	18.5	17.8	18.6	15.2	26.6	24.0	22.4	19.7
29	25.4	22.6	21.0	19.1	18.0	16.6	18.7	16.1	---	---	21.9	20.0
30	25.8	23.0	22.8	18.5	17.9	15.6	19.5	17.5	---	---	21.3	19.6
31	26.4	23.7	---	---	17.3	13.7	21.2	18.4	---	---	21.0	19.6
MONTH	29.2	21.1	26.1	17.0	24.6	13.7	21.2	11.5	26.8	16.6	26.7	18.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.0	19.9	25.3	21.6	30.8	27.9	27.2	25.4	26.8	25.9	29.5	26.4
2	22.6	19.9	25.0	22.1	30.0	27.4	27.9	25.7	26.1	24.8	28.5	26.2
3	22.5	19.4	24.8	22.5	30.9	28.2	28.8	26.1	25.5	24.4	28.6	26.2
4	23.4	20.0	25.5	21.8	30.7	28.2	28.9	26.9	25.8	24.8	29.1	26.4
5	24.1	20.7	25.7	22.6	30.5	28.3	28.5	26.7	26.2	25.1	29.1	26.4
6	24.1	21.7	25.8	23.0	30.2	27.9	29.0	26.7	26.8	25.3	29.5	26.5
7	24.8	22.1	25.6	22.7	30.1	27.5	29.4	26.9	26.5	25.2	28.6	26.0
8	25.9	22.8	24.7	23.1	30.6	27.6	29.8	27.0	27.4	25.7	27.9	25.6
9	26.4	23.2	24.5	23.2	31.7	27.8	28.5	26.5	27.7	26.3	26.7	25.2
10	26.2	23.5	24.4	22.8	31.6	28.1	28.2	25.8	28.5	26.5	26.7	25.7
11	26.2	23.7	24.5	22.7	31.7	28.1	27.1	25.4	27.0	25.8	27.2	25.7
12	26.5	24.1	25.2	22.6	31.6	28.3	28.3	25.4	27.3	25.6	26.9	25.9
13	28.2	24.2	27.1	23.6	32.6	29.0	26.9	26.1	27.7	26.3	26.0	25.3
14	28.6	24.5	27.9	24.6	32.2	28.6	27.3	25.9	28.3	26.8	25.4	22.9
15	28.7	24.8	28.4	24.8	32.2	28.3	26.8	25.5	27.7	27.1	23.0	22.7
16	28.0	24.8	28.9	25.2	32.2	28.4	26.8	25.4	28.5	26.9	23.2	22.6
17	26.9	23.7	29.6	25.4	32.0	29.1	26.8	25.7	28.9	27.2	23.7	22.9
18	25.6	21.8	29.0	26.1	31.2	28.8	26.7	25.7	28.9	27.3	24.5	23.4
19	25.0	21.0	29.4	25.5	30.5	28.4	26.8	25.5	28.1	26.9	25.6	24.2
20	25.5	21.9	29.1	26.1	30.0	27.9	27.3	26.0	28.9	26.9	26.2	24.7
21	25.4	21.8	29.0	26.4	30.1	27.6	27.2	26.2	28.4	26.8	27.7	25.3
22	25.2	22.1	29.5	27.3	28.8	26.7	27.2	25.9	29.3	26.5	28.2	25.7
23	25.5	22.7	30.3	27.2	28.0	25.6	26.4	25.5	29.7	26.7	27.3	25.8
24	25.5	23.2	29.5	26.9	27.3	24.6	26.3	25.1	30.2	26.9	27.0	25.9
25	25.1	23.8	29.2	26.9	27.6	24.4	27.3	25.3	30.5	27.0	26.8	25.9
26	25.7	22.8	29.7	27.0	28.6	24.9	27.3	25.8	30.0	27.2	26.1	25.4
27	23.8	20.9	29.4	26.6	28.7	25.4	27.2	26.0	29.0	26.9	25.4	25.0
28	23.6	21.9	29.6	26.6	28.4	26.2	27.6	25.8	30.0	26.7	25.4	24.8
29	23.7	21.7	30.1	26.4	28.1	25.6	28.3	26.3	30.0	26.9	25.2	24.2
30	24.3	21.6	31.1	27.1	27.0	25.0	28.6	27.1	30.2	26.8	25.1	23.7
31	---	---	31.3	27.2	---	---	27.6	26.4	29.5	26.5	---	---
MONTH	28.7	19.4	31.3	21.6	32.6	24.4	29.8	25.1	30.5	24.4	29.5	22.6
YEAR	32.6	11.5										

02301718 ALAFIA RIVER AT RIVERVIEW, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(AT GAGE HEIGHT OF APPROXIMATELY -4.8 FT)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.7	25.7	26.0	24.7	21.6	20.2	17.4	15.4	19.3	18.0	26.2	24.4
2	28.0	25.9	26.0	25.3	22.0	21.0	16.7	15.2	19.7	18.8	26.4	24.8
3	28.3	26.3	25.7	24.9	21.9	20.5	17.0	14.8	19.6	17.9	26.1	25.3
4	29.0	26.9	25.5	25.1	21.0	19.1	15.9	14.8	18.5	16.9	25.9	25.0
5	29.0	27.2	25.5	25.2	20.7	19.6	15.6	13.3	18.6	16.9	25.1	20.8
6	29.1	27.3	25.6	25.2	20.0	19.0	15.8	14.3	18.5	16.9	21.6	19.8
7	28.3	26.4	25.4	25.0	19.6	18.6	15.4	13.9	19.2	17.6	20.7	19.6
8	28.7	26.5	25.1	24.9	19.2	18.3	15.6	14.9	20.5	18.6	20.6	18.7
9	28.0	22.4	25.0	24.7	19.9	18.3	16.0	14.7	21.2	19.6	20.4	19.2
10	23.8	21.3	25.2	24.4	20.9	19.4	16.1	13.9	22.2	20.6	21.1	20.2
11	23.3	22.0	25.0	23.0	21.2	20.5	16.4	13.9	23.3	21.4	21.9	20.6
12	23.3	21.9	24.2	22.7	22.3	21.0	17.4	15.6	23.3	22.0	22.9	21.1
13	23.6	21.9	24.2	22.5	22.7	21.6	17.1	15.4	23.1	22.4	23.1	22.5
14	24.1	22.5	24.3	23.2	23.7	22.3	17.5	16.3	23.0	22.4	22.9	22.3
15	24.6	22.9	24.0	22.3	24.2	22.8	18.1	17.0	23.1	22.2	23.7	22.6
16	24.9	23.1	23.8	22.5	24.4	23.2	18.5	17.6	23.3	22.4	23.9	23.1
17	25.4	23.4	24.5	23.3	23.8	21.3	18.4	17.9	23.4	22.9	24.3	23.7
18	25.9	24.0	24.3	23.4	22.7	20.0	19.2	18.1	23.4	21.3	24.2	22.4
19	26.2	24.1	24.7	23.9	22.3	17.8	19.6	18.2	22.5	20.8	22.9	21.6
20	26.2	25.6	24.3	22.2	19.0	17.3	19.4	17.8	22.3	21.5	22.2	21.6
21	26.0	25.3	22.7	19.6	18.0	15.6	18.2	16.1	23.2	21.8	22.1	19.7
22	26.1	24.8	21.6	17.9	17.4	16.4	17.6	16.2	23.9	22.1	22.0	19.6
23	25.4	24.2	18.7	17.7	17.4	15.4	17.3	15.6	24.0	22.9	22.0	20.0
24	25.0	23.6	18.6	18.1	17.5	16.4	17.3	16.2	24.1	22.9	22.5	20.6
25	24.6	23.6	19.5	18.2	17.9	16.1	17.9	16.0	24.8	23.8	23.2	21.8
26	24.5	23.4	20.0	19.4	18.6	16.5	17.1	16.0	25.6	24.1	23.1	21.4
27	24.7	23.6	20.7	19.6	18.5	16.8	17.0	16.2	26.0	24.4	22.6	20.9
28	24.9	23.2	21.1	19.8	18.3	17.7	17.6	16.3	26.3	24.7	22.2	20.9
29	25.3	23.6	21.0	19.7	18.2	17.8	18.0	17.0	---	---	22.1	20.6
30	25.6	24.0	21.4	19.5	18.0	16.1	18.5	17.4	---	---	21.2	19.8
31	26.1	24.2	---	---	17.7	14.8	18.5	18.0	---	---	20.8	19.6
MONTH	29.1	21.3	26.0	17.7	24.4	14.8	19.6	13.3	26.3	16.9	26.4	18.7

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.9	19.9	24.2	22.4	30.7	29.0	28.1	25.9	26.9	25.8	29.7	27.3
2	21.8	19.9	24.9	23.3	29.6	28.4	28.6	25.9	26.1	24.8	29.3	27.0
3	21.1	19.8	24.5	24.1	30.3	28.8	29.2	27.3	25.6	24.5	28.8	26.5
4	22.2	20.3	24.5	23.4	30.4	29.3	29.3	27.5	25.8	24.9	28.9	26.5
5	23.1	20.8	25.2	24.0	30.4	29.3	28.9	27.3	26.2	25.1	29.1	26.8
6	23.5	22.1	25.3	24.3	30.1	29.0	29.4	27.6	26.7	25.3	29.2	26.8
7	23.9	22.7	24.9	24.2	29.7	29.0	29.8	27.8	26.5	25.2	28.3	26.1
8	24.7	23.2	24.7	24.0	29.9	29.0	29.5	27.5	27.5	25.8	27.2	25.6
9	25.2	23.7	24.3	23.7	30.4	28.9	29.4	27.2	27.7	26.4	26.4	25.2
10	25.6	24.2	24.2	23.6	30.8	29.1	29.3	25.9	28.2	26.5	26.4	25.7
11	26.2	24.3	24.4	23.9	31.2	29.5	27.1	25.5	27.1	25.8	27.0	25.8
12	26.0	25.4	24.7	24.1	31.6	30.5	27.2	25.5	27.2	25.7	26.8	25.9
13	26.3	25.5	25.4	24.5	32.0	30.7	26.8	26.1	27.7	26.3	27.9	25.4
14	26.8	25.9	26.1	25.0	32.3	31.4	27.3	25.9	28.3	26.8	26.0	22.9
15	27.7	26.4	27.0	25.7	32.7	31.7	26.7	25.5	27.7	27.2	23.1	22.8
16	27.2	26.0	27.6	26.6	32.6	31.3	26.7	25.4	28.4	26.9	23.2	22.6
17	27.2	25.3	28.3	27.2	32.1	30.5	26.7	25.7	28.8	27.2	23.7	22.9
18	26.9	22.3	28.7	27.9	31.1	29.3	26.6	25.7	28.9	27.3	24.5	23.5
19	25.1	23.5	28.7	27.9	30.5	28.9	26.8	25.5	28.1	26.9	25.6	24.2
20	25.4	24.4	28.8	27.6	29.6	28.5	27.2	26.0	28.5	26.9	26.2	24.8
21	24.9	24.0	28.3	27.5	29.5	27.8	27.0	26.2	28.0	26.9	26.7	25.4
22	24.6	23.4	28.8	28.0	29.1	27.3	27.3	26.0	28.1	26.5	27.2	25.7
23	24.6	23.5	29.6	27.5	28.4	25.9	28.2	25.5	28.4	27.0	27.1	25.9
24	24.8	24.3	29.2	27.9	27.6	25.2	26.3	25.2	29.2	27.2	26.9	26.0
25	25.1	24.4	28.6	27.3	27.6	24.7	26.9	25.4	29.2	27.5	26.8	25.9
26	25.0	23.8	28.8	27.4	29.1	25.2	27.3	25.8	30.3	27.9	26.2	25.5
27	23.9	22.3	28.9	27.3	28.9	26.6	27.1	26.0	31.0	28.6	25.5	25.0
28	23.4	22.9	29.3	27.3	28.6	27.1	27.5	25.9	30.8	28.8	25.4	24.8
29	23.5	23.1	29.6	28.3	28.7	27.3	28.3	26.4	30.7	28.5	25.2	24.2
30	23.4	22.0	30.4	28.7	28.5	25.6	28.5	27.1	30.7	28.0	25.1	23.7
31	---	---	30.9	29.6	---	---	27.6	26.4	30.3	27.7	---	---
MONTH	27.7	19.8	30.9	22.4	32.7	24.7	29.8	25.2	31.0	24.5	29.7	22.6
YEAR	32.7	13.3										

ALAFIA RIVER BASIN

02301719 ALAFIA RIVER NEAR GIBSONTON, FL

LOCATION.--Lat 27°51'24", long 82°21'28", in SE $\frac{1}{4}$ sec.24, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100204, on left bank on wooden private dock about 400 ft downstream from the Alafia River Marina, 0.8 mi west of Interstate Highway 75, and 2.8 mi upstream from mouth.
DRAINAGE AREA.--419 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1999 to current year.
GAGE.--Water-stage and velocity recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Interruptions in record were due to malfunction of velocity sensor. Discharge is computed from stage and velocity record. Discharge is affected by tide. Positive discharge values indicate downstream flow and negative discharge values indicate upstream flow. Discharge record poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,970 ft^3/s, Sept. 14, 2001; maximum gage height, 5.42 ft, Sept. 17, 2000; minimum discharge, -6,410 ft^3/s, Sept. 17, 2000; minimum gage height recorded, 1.66 ft below NGVD, Jan. 14, 2000, but may have been less when gage was dry during extreme low tides.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,970 ft^3/s, Sept. 14; maximum gage height, 5.05 ft, July 23; minimum discharge, -5,620 ft^3/s, July 23; minimum gage height recorded, 1.64 ft below NGVD, Dec. 26, Jan. 21, but may have been less when gage was dry during extreme low tides.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2470	-2760	2050	-2010	---	---	---	---	1750	-1560	1970	-1800
2	2380	-2390	1670	-1520	---	---	---	---	1620	-1690	1750	-1630
3	2210	-1990	1840	-1300	---	---	---	---	1850	-1760	2090	-1870
4	2520	-2020	1750	-1800	---	---	---	---	1740	-1380	2050	-3960
5	2050	-1750	2070	-1870	---	---	---	---	1860	-1740	2110	-2110
6	2020	-2120	1810	-2000	---	---	---	---	1940	-1630	2210	-1660
7	3240	-3350	1830	-2560	---	---	---	---	2100	-2580	2090	-1600
8	2560	-1810	1600	-3010	---	---	---	---	1760	-2450	2050	-2390
9	1900	-1110	2140	-2930	---	---	---	---	1920	-2830	2100	-3190
10	1830	-1970	2370	-2650	---	---	---	---	1770	-2550	2910	-2590
11	2060	-2640	2210	-2300	---	---	---	---	1900	-2230	2590	-3610
12	2360	-2870	2050	-3020	---	---	---	---	2010	-2590	2300	-2970
13	2370	-2790	2010	-2660	---	---	---	---	1670	-2260	2100	-3200
14	2550	-2970	2020	-3080	---	---	---	---	1740	-2960	1710	-2840
15	2190	-3330	---	---	---	---	---	---	1390	-1700	3240	-2130
16	2370	-3080	---	---	---	---	---	---	1580	-1570	2150	-1510
17	2150	-2730	---	---	---	---	---	---	1700	-2090	1970	-1070
18	2160	-3360	---	---	---	---	1950	-1840	1910	-1510	1940	-1880
19	2300	-2080	---	---	---	---	1950	-2020	1570	-1560	1550	-1860
20	2080	-2820	---	---	---	---	2000	-2070	1750	-1990	2520	-1930
21	2380	-3300	---	---	---	---	1530	-1120	1750	-2580	1870	-2320
22	2320	-2220	---	---	---	---	1820	-1390	1820	-2190	1910	-1530
23	2100	-2290	---	---	---	---	1920	-1330	1910	-2260	1970	-2330
24	1810	-2380	---	---	---	---	1790	-1810	1740	-2220	2180	-2360
25	1880	-3000	---	---	---	---	1800	-1270	1800	-2230	2560	-3270
26	2370	-2950	---	---	---	---	1850	-1920	1950	-2430	2700	-2940
27	2070	-3030	---	---	---	---	1830	-2160	1790	-1900	2200	-1970
28	2390	-3230	---	---	---	---	1780	-2160	1970	-2550	2490	-2490
29	1970	-2880	---	---	---	---	1620	-2340	---	---	2710	-3510
30	2210	-2880	---	---	---	---	2250	-2530	---	---	4090	-1770
31	2040	-2440	---	---	---	---	1830	-1610	---	---	4040	-395
MONTH	3240	-3360	2370	-3080	---	---	2250	-2530	2100	-2960	4090	-3960

02301719 ALAFIA RIVER NEAR GIBSONTON, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	2090	-1080	1790	-1990	2970	-2650	2410	-2700	---	---	---	---
2	1800	-1080	1710	-2370	3290	-3710	2670	-3180	---	---	---	---
3	2340	-1860	2070	-2300	2490	-2270	2510	-3190	---	---	---	---
4	2690	-2340	2080	-2060	2780	-2600	2990	-3000	---	---	3090	-3560
5	2980	-3580	2410	-2500	2350	-2610	3110	-2720	---	---	3170	-3070
6	2990	-3010	2520	-2700	2230	-2710	2520	-3020	4790	-610	3420	-3230
7	2860	-3210	2380	-2850	2230	-2680	2860	-3760	4400	-754	3680	-3600
8	3070	-3510	2370	-2080	3470	-2490	2330	-2570	4110	-689	3500	-2340
9	2820	-3050	2560	-2240	3260	-2910	1730	-3550	3300	-588	4770	-1090
10	2660	-2860	2640	-1870	1710	-4040	2730	-2660	---	---	3340	-1180
11	2410	-2740	2790	-2090	1530	-2440	3640	-2450	---	---	3000	-2140
12	2930	-2360	2990	-1870	1470	-2090	2900	-1960	---	---	2830	-1820
13	2910	-2300	2170	-1730	970	-2760	2810	-1310	---	---	2980	-1960
14	2000	-1940	1720	-1350	1740	-2090	2750	-1170	---	---	6970	-707
15	2810	-1450	1840	-1630	1800	-2200	4060	-636	---	---	6930	3660
16	1640	-1630	1850	-1810	2250	-2020	3360	-1950	---	---	6320	1480
17	1950	-1760	2290	-1790	2060	-1980	3660	-2620	---	---	4010	621
18	2250	-1100	2190	-2180	2770	-2530	4370	-3180	---	---	3230	-256
19	1630	-2010	3290	-2790	1930	-2400	3660	-4250	---	---	2750	-729
20	1880	-2420	3560	-2480	2180	-2810	3630	-3920	---	---	2750	-1080
21	2440	-2600	2610	-3130	2550	-2820	4760	-5110	---	---	2240	-1200
22	2070	-2430	3220	-2950	2510	-4380	3870	-4260	---	---	2270	-895
23	2230	-3180	2890	-2730	2260	-2780	4410	-5620	---	---	2850	-720
24	2460	-2790	2360	-2700	2540	-2320	4550	-2880	---	---	3260	-1840
25	2710	-2740	3550	-2700	2250	-2660	2110	-3610	---	---	3780	-1520
26	2090	-2540	2900	-2530	2240	-2480	---	---	---	---	2360	-1190
27	2010	-2150	2460	-2310	2460	-2590	---	---	---	---	3180	-1350
28	2170	-1740	1530	-2230	1780	-2390	---	---	---	---	3450	-1930
29	2230	-1620	1550	-5000	2810	-3320	---	---	---	---	3800	-1580
30	1790	-1940	1870	-2680	2180	-2760	---	---	---	---	3000	-1430
31	---	---	2230	-2490	---	---	---	---	---	---	---	---
MONTH	3070	-3580	3560	-5000	3470	-4380	4760	-5620	4790	-754	6970	-3600
YEAR	6970	-5620										

02301719 ALAFIA RIVER NEAR GIBSONTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.08	-.08	2.37	-.06	1.47	-.73	.93	-1.01	1.53	-.16	2.02	-.44
2	1.89	-.42	2.47	.01	1.68	-.47	.64	-1.19	.60	-.75	2.19	-.19
3	1.77	-.34	2.20	-.07	1.50	-.45	.91	-.83	.94	-1.56	2.69	-.22
4	2.73	.32	1.91	.04	.88	-.69	1.06	-.69	1.45	-1.41	2.51	.11
5	2.21	.01	2.07	.27	1.21	-.43	2.12	-.87	1.50	-1.55	1.88	-.91
6	2.12	.16	2.41	.84	1.98	-.09	1.96	-.77	1.78	-1.61	1.74	-1.38
7	2.17	-.03	2.38	.40	1.98	-.27	2.47	-.96	1.80	-1.62	1.74	-1.54
8	1.72	-.30	2.74	.78	2.43	-.53	2.47	-.74	1.90	-1.61	1.96	-1.36
9	.95	-1.29	2.93	.66	2.64	-.67	2.50	-1.57	1.84	-1.41	2.25	-.72
10	1.05	-.87	3.06	.60	2.66	-.77	1.57	-1.62	1.86	-1.14	2.88	-.30
11	1.54	-.40	2.53	-.49	2.90	-.87	2.08	-1.33	1.48	-1.06	1.95	-.44
12	1.86	-.23	2.52	-.49	3.08	-.73	2.34	-.76	1.39	-.70	2.26	-.17
13	2.16	-.35	2.83	-.45	2.72	-.97	1.38	-1.36	1.44	-.72	2.50	-.27
14	2.37	-.13	3.30	-.14	2.97	-.79	1.49	-.76	1.49	-.69	1.87	-.28
15	2.30	-.28	2.18	-1.07	2.40	-.84	1.31	-.52	1.63	-.69	2.73	-.23
16	2.47	-.29	2.31	-.39	2.08	-.24	1.64	-.23	1.62	-.73	2.25	.08
17	2.75	-.16	2.65	.07	2.64	-.44	1.61	-.37	1.66	-.77	1.33	-.34
18	2.54	-.28	1.89	-.47	1.37	-.35	1.90	-.56	.84	-1.54	1.35	-1.18
19	2.51	-.32	2.04	.33	1.93	-.26	2.21	-.46	2.04	-1.59	1.82	-.93
20	2.28	-.14	2.14	-1.00	1.20	-.98	1.91	-.50	2.02	-.87	2.10	.61
21	2.35	-.33	.75	-.91	1.68	-.72	.94	-1.64	1.95	-.83	2.14	.01
22	2.27	-.36	1.39	-1.40	1.49	-1.06	.92	-1.63	2.10	-.71	1.52	-.93
23	2.00	-.30	1.60	-.74	1.24	-1.63	.94	-1.63	2.18	-.63	1.44	-.86
24	1.68	-.16	3.22	-.48	1.20	-1.60	1.25	-1.40	1.63	-.76	1.54	-.60
25	2.00	-.05	3.21	.05	1.26	-1.63	1.62	-1.43	1.92	-.43	1.88	-.40
26	2.40	.06	2.96	-.41	1.94	-1.64	.94	-1.60	1.89	-.43	1.76	-.81
27	2.40	.02	2.30	-.92	2.15	-.64	1.29	-1.11	1.60	-.47	1.46	-1.16
28	2.44	-.22	2.37	-.95	2.61	-.12	1.53	-.94	1.80	-.42	1.96	-.95
29	2.76	-.11	1.92	-.97	2.50	-.98	1.55	-.64	---	---	2.82	-.56
30	2.66	-.12	1.89	-1.11	1.72	-.89	1.76	.07	---	---	2.79	-.35
31	2.31	-.33	---	---	.59	-1.43	1.63	.04	---	---	2.19	-.10
MONTH	2.76	-1.29	3.30	-1.40	3.08	-1.64	2.50	-1.64	2.18	-1.62	2.88	-1.54

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.75	-.41	1.61	-1.50	2.27	-.18	2.13	-.02	2.28	-.87	2.75	-.08
2	1.62	-.89	1.54	-.73	2.46	-.23	2.32	-.40	2.36	-.69	2.77	-.03
3	2.13	-.91	1.62	-.57	2.30	-.52	2.43	-.54	3.17	.08	2.72	.15
4	2.24	-.63	1.38	-.73	2.38	-.84	2.73	-.62	3.32	.09	2.64	.06
5	2.26	-.64	1.68	-.62	2.35	-.80	2.91	-.48	3.13	.17	2.59	.30
6	2.09	-.52	1.96	-.77	2.49	-.88	2.62	-.62	2.64	-.19	2.30	.10
7	1.99	-.50	2.20	-.98	2.55	-.82	2.66	-.52	2.28	-.12	2.26	.31
8	2.07	-.48	1.94	-1.00	2.35	-.79	2.57	-.38	2.19	-.03	2.47	.35
9	2.21	-.66	2.37	-.81	2.39	-.75	2.32	-.27	2.09	.05	2.47	.33
10	2.13	-.72	2.68	-.62	2.40	-.74	2.52	-.11	1.96	.25	2.46	-.15
11	2.76	-.48	2.42	-.59	2.43	-.57	2.04	.02	1.97	.15	2.11	-.36
12	2.49	-.35	2.27	-.59	1.98	.05	2.16	.45	2.08	.03	2.63	-.23
13	2.39	-.36	2.31	-.52	1.64	.05	2.20	.74	2.04	-.18	2.41	-.34
14	2.24	-.41	1.88	-.47	1.59	-.13	2.09	.24	2.44	-.16	2.40	-.25
15	1.99	-.22	1.72	-.48	1.58	-.19	2.04	-.23	2.80	-.23	2.72	-.01
16	1.53	-.14	1.77	.02	1.75	-.26	2.09	-.18	2.99	-.40	2.77	.23
17	1.48	-.52	1.73	-.01	1.74	-.54	2.65	-.33	2.91	-.62	2.96	.27
18	.82	-1.50	1.81	.07	1.97	-.83	2.86	-.60	3.12	-.48	3.07	.25
19	1.17	-.92	1.94	-.19	2.18	-1.21	3.02	-.76	3.52	-.24	2.90	.27
20	1.69	-.71	2.23	-.32	2.31	-1.22	2.89	-.81	3.09	-.21	2.86	.22
21	1.82	-.52	2.60	-.32	2.62	-1.31	3.62	-.32	2.73	-.08	3.18	.31
22	1.60	-.80	2.77	-.51	2.53	-1.04	3.48	.02	2.49	.17	2.84	.17
23	2.08	-.73	2.95	-.71	2.64	-.92	5.05	.49	2.27	.22	2.56	.10
24	2.22	-.77	2.60	-1.00	2.44	-1.02	2.93	.28	2.13	.14	2.64	.52
25	2.25	-.94	3.09	-.84	2.24	-1.03	2.53	.21	2.21	-.11	2.79	.10
26	1.61	-1.51	2.79	-.82	1.92	-.87	1.99	.10	2.05	-.21	1.84	-.31
27	1.78	-1.52	2.70	-.85	1.41	-.72	1.85	.12	2.05	-.22	2.19	-.06
28	2.28	-1.34	2.44	-.63	1.50	-.63	1.76	-.33	2.11	-.47	2.50	.16
29	1.52	-1.06	2.24	-.41	1.82	-.01	1.83	-.50	2.30	-.37	2.35	-.49
30	1.38	-1.33	1.59	-.31	1.98	-.04	1.98	-.52	2.40	-.24	1.76	-.23
31	---	---	1.82	-.38	---	---	2.00	-.91	2.65	-.08	---	---
MONTH	2.76	-1.52	3.09	-1.50	2.64	-1.31	5.05	-.91	3.52	-.87	3.18	-.49
YEAR	5.05	-1.64										

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature sensors located near the bottom.
REMARKS.--Interruptions in record were due to extreme low tides. Records good.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 49,400 microsiemens, June 19, 2001; minimum, 182 microsiemens, Sept. 15, 2001.
TEMPERATURE.--Maximum,33.8°C, June 17, 2001; minimum, 10.3°C, Jan. 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum, 49,400 microsiemens, June 19; minimum, 182 microsiemens, Sept. 15.
TEMPERATURE.--Maximum, 33.8°C, June 17; minimum, 10.3°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	37000	16200	44600	31300	45300	29200	43700	21500	39900	25000	41000	22800
2	40300	17400	45200	35200	44800	26000	42200	21100	36800	18700	39900	22700
3	41100	22900	46000	34300	42300	19900	41000	19600	43400	22000	42100	19600
4	42300	15600	44800	28900	43800	24400	40900	19000	44700	24200	41000	23100
5	38300	12400	44400	31600	44200	27000	45000	21200	45400	23400	36500	13500
6	39000	9870	43600	33800	44000	30200	45000	21900	45200	27500	35900	14800
7	36400	14000	42300	34100	43900	27700	44800	22300	45500	26900	43000	14100
8	38600	14500	43300	37000	44000	28400	45100	26700	45100	29400	44100	16700
9	31400	10800	43200	34000	44700	30100	42300	20900	45400	24400	45300	18900
10	38700	13700	42400	31600	44700	27900	46300	15500	45100	27400	44900	20700
11	39200	23300	41500	25600	44100	28400	46600	22300	42900	25200	42800	23300
12	41500	26000	42700	27200	44800	25400	45500	26000	42500	25300	44200	24400
13	42300	24600	43700	27400	45200	27500	40700	19200	43800	25200	43500	21400
14	41500	29600	44200	27600	45800	26900	44900	22700	41700	25200	44800	20400
15	41200	26900	41000	22600	44900	27900	41300	23300	40400	23000	44800	21600
16	41600	29000	44500	27600	45000	32400	43100	27400	41500	20100	42300	24600
17	41200	27700	44700	28200	43500	25300	43300	26600	38200	18800	40500	15500
18	41400	24200	40500	27100	37900	19000	44300	24300	41800	20800	43500	22100
19	41800	22900	44500	28700	40000	22000	44600	24700	46100	25800	48300	22900
20	43600	30300	40500	22700	42000	21500	45100	19900	46200	28500	48200	29100
21	42300	29000	34500	23600	43200	22300	43700	17600	45500	26000	42400	28700
22	42800	28800	43900	19600	43300	21600	43300	15200	43900	27300	37200	19300
23	41500	26800	44300	24600	44500	21500	43300	19000	44000	26400	38600	16700
24	38400	25600	44300	28200	44300	22500	42100	19000	43900	28300	41600	19400
25	42300	27800	44700	31600	45400	22100	43300	19000	44600	29200	41800	20300
26	42700	31900	43800	27900	46400	23300	40500	13300	43100	25300	40900	10600
27	42900	30600	42700	23500	46400	32800	42700	18400	41500	24200	41200	14200
28	42500	28300	43300	24000	46100	33700	42500	24500	41500	23700	45600	20900
29	43200	29100	45100	23900	42000	21400	41900	25500	---	---	42900	19600
30	43000	25600	45100	22800	42900	19900	43400	31900	---	---	35800	5020
31	42800	27000	---	---	37200	18500	40000	25900	---	---	11000	1810
MONTH	43600	9870	46000	19600	46400	18500	46600	13300	46200	18700	48300	1810

02301719 ALAFIA RIVER NEAR GIBSONTON, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4240	1640	45200	27100	44900	32500	45500	13400	43800	6120	37300	15100
2	42600	1310	44400	28500	44900	32700	44500	13800	42300	4410	35900	12300
3	42500	8220	43400	31100	43800	29600	46700	19400	43500	4340	33700	10500
4	38300	9160	43600	32600	43600	26200	45000	17200	38400	1900	32500	8270
5	41600	12700	45300	32100	40300	26500	45000	15100	39400	1560	34200	13100
6	43300	16300	44900	32600	41500	25500	43200	15100	31100	1040	31400	11800
7	41100	20000	46200	32900	41800	26400	43800	17200	2960	323	30400	7090
8	39200	14600	44500	29000	43500	22100	42200	16500	16500	302	29100	1880
9	36500	11700	46700	31500	42100	22200	41600	11200	13400	419	20600	491
10	36100	12600	47300	34400	45400	23000	33700	10700	26500	532	30400	1070
11	40600	12800	47000	34500	46600	25100	30100	3000	18100	335	34700	2310
12	36100	16100	45100	34200	45600	27600	23900	2120	1250	246	39300	8740
13	36100	15200	45000	33600	45100	30100	4670	1330	5290	278	40200	8290
14	32700	14500	44100	32800	44600	24900	21000	1030	33900	597	32700	217
15	34600	15800	44600	30900	45900	26400	34100	614	33100	1370	417	182
16	29000	16300	42800	32300	44900	29500	43200	818	35900	2940	352	200
17	31700	12300	42100	29700	42900	29800	45400	4040	38000	3500	1040	234
18	35700	12000	42500	26100	46600	28800	44500	1950	36800	3270	682	283
19	40600	14700	41900	29300	49400	29500	42100	1880	36000	3430	1210	339
20	41800	20900	43400	31700	48600	31500	42000	4310	32500	2990	9600	387
21	40400	27400	44700	29900	48600	29300	34100	740	31800	4680	25300	523
22	40300	27800	45200	29800	48200	28200	43200	750	33800	4680	20500	703
23	43200	28300	46000	27500	47000	23100	44000	2600	34000	10200	28800	827
24	42200	25300	45900	31600	45500	20600	15000	564	34500	7300	31900	3450
25	41800	23300	48000	31600	45100	18100	19300	481	33600	8050	22400	2180
26	41100	24800	47700	31600	47700	17200	18700	764	34300	9980	16600	1860
27	43400	26300	46800	30900	42700	24500	27300	1010	42300	12800	26700	2240
28	44400	26000	46100	31000	46300	23800	20400	843	39600	14400	31200	4020
29	42200	27500	45700	31300	44500	19500	31300	989	37600	15100	29800	2610
30	41400	27800	44600	31200	42700	13600	34200	2540	40300	17700	31400	1660
31	---	---	44000	30400	---	---	38300	3460	38900	18800	---	---
MONTH	44400	1310	48000	26100	49400	13600	46700	481	43800	246	40200	182
YEAR	49400	182										

02301719 ALAFIA RIVER NEAR GIBSONTON, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.4	26.5	25.8	23.8	21.6	17.6	15.8	12.9	21.1	19.6	25.9	23.3
2	28.9	26.0	25.6	24.0	21.9	19.1	14.7	12.4	20.5	18.2	26.1	24.5
3	28.0	27.0	25.7	23.9	21.1	18.9	15.3	10.8	18.3	15.8	26.1	24.5
4	29.9	27.3	26.2	24.0	19.7	15.1	14.7	11.6	16.7	15.5	25.3	22.9
5	31.3	28.3	25.9	24.2	19.2	16.8	13.8	10.3	18.2	16.0	22.9	19.4
6	30.7	28.6	25.4	23.6	18.3	16.3	14.4	12.2	18.6	14.5	19.4	17.9
7	30.3	28.9	25.8	23.5	18.1	16.0	14.8	12.2	18.9	14.9	19.3	17.0
8	29.6	26.9	25.2	24.1	18.5	16.6	15.2	13.9	19.7	16.9	19.7	16.4
9	28.2	20.1	25.1	23.8	20.2	17.8	14.9	12.1	20.7	17.3	20.2	16.7
10	23.5	17.9	25.7	24.2	20.5	18.4	14.1	12.5	21.7	18.1	22.0	19.1
11	23.6	21.2	24.4	21.9	20.7	19.0	15.4	12.4	23.3	19.7	22.3	19.6
12	23.4	21.7	24.4	21.4	21.8	18.9	16.6	13.1	23.5	20.5	23.2	20.2
13	23.9	21.8	24.0	21.7	22.2	19.7	16.1	14.2	23.6	20.3	23.1	21.8
14	24.3	22.5	24.0	22.9	23.8	19.6	17.7	13.8	24.1	20.6	22.7	21.6
15	24.5	22.5	23.2	20.6	24.2	20.3	19.3	14.9	23.9	21.6	24.3	22.2
16	25.2	23.1	23.9	20.7	24.1	20.5	18.9	16.0	24.5	21.6	24.8	23.4
17	25.7	23.6	25.1	21.9	22.3	19.8	18.7	16.2	23.5	21.6	24.5	22.0
18	26.8	23.6	24.5	22.6	21.2	17.6	19.8	16.7	22.9	20.7	22.6	20.6
19	26.6	23.9	24.4	21.9	19.6	16.0	19.1	17.0	22.2	19.6	21.7	20.0
20	26.7	23.5	23.2	20.9	16.4	13.7	19.6	16.3	22.7	18.8	21.8	20.6
21	25.8	23.7	21.6	17.6	16.5	13.6	17.1	12.0	23.4	20.5	20.6	18.0
22	25.3	23.7	18.7	11.4	16.6	13.9	16.7	13.4	23.8	20.7	20.3	17.4
23	24.5	23.3	18.7	15.7	16.2	13.9	15.1	12.8	24.8	22.2	21.9	17.8
24	24.3	22.7	18.4	16.6	16.7	14.9	15.2	12.7	23.8	21.8	23.1	18.8
25	24.3	22.7	19.8	18.1	16.5	14.8	16.0	13.5	24.3	22.2	23.3	20.1
26	24.5	22.8	20.0	19.1	18.8	13.5	16.9	13.3	25.4	23.0	23.5	20.9
27	24.6	22.7	20.3	18.2	17.2	15.1	16.0	13.2	26.1	23.1	22.9	19.3
28	24.9	22.4	20.4	16.9	17.7	15.9	17.3	13.9	25.9	23.2	22.1	19.1
29	25.4	23.1	20.1	18.8	17.2	15.8	17.8	15.3	---	---	21.6	19.7
30	25.9	23.5	20.9	17.1	16.2	14.1	18.5	15.5	---	---	23.0	19.7
31	26.3	24.0	---	---	14.9	11.4	20.7	17.3	---	---	22.0	20.0
MONTH	31.3	17.9	26.2	11.4	24.2	11.4	20.7	10.3	26.1	14.5	26.1	16.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.5	19.5	25.1	21.5	30.7	29.1	30.7	27.8	28.9	26.3	31.5	29.2
2	22.3	19.3	25.7	22.0	30.9	27.8	30.1	28.4	28.3	24.9	30.9	28.9
3	24.5	19.2	24.7	21.9	31.9	28.5	30.6	29.1	28.1	25.4	31.3	28.4
4	25.1	20.6	25.8	21.5	32.6	29.1	30.6	28.2	27.6	25.3	31.0	28.8
5	25.8	20.9	26.3	22.3	31.8	29.0	31.3	28.5	27.6	25.7	30.9	28.5
6	25.5	21.8	26.2	22.9	31.0	28.8	31.5	28.7	27.3	25.7	31.5	28.6
7	25.4	21.8	26.1	22.5	31.7	28.7	31.7	28.8	28.0	25.5	31.3	28.5
8	26.4	23.3	24.9	22.5	32.4	28.8	31.7	28.7	28.5	25.6	30.7	27.7
9	27.6	23.8	25.2	22.5	32.6	29.1	30.3	27.7	29.8	26.5	29.0	26.3
10	28.4	24.0	25.0	22.6	32.6	29.5	29.8	27.5	30.5	26.8	28.8	26.5
11	28.0	24.4	25.7	22.7	32.5	30.1	29.1	26.4	30.2	27.2	29.2	26.6
12	27.8	25.3	26.6	22.7	32.4	30.4	29.4	26.3	30.2	25.8	29.6	27.4
13	28.7	25.8	27.2	23.8	33.3	30.6	27.9	27.0	30.6	26.3	29.3	26.2
14	29.5	25.9	28.3	24.6	33.7	30.8	29.7	26.7	30.5	26.9	28.4	22.7
15	29.8	26.5	28.4	25.2	33.5	30.5	28.7	25.9	29.3	28.1	23.6	22.5
16	28.9	26.1	29.3	25.5	33.3	29.8	29.2	25.4	29.9	28.4	24.6	22.5
17	28.0	23.7	29.7	26.0	33.8	30.3	28.6	26.4	30.2	28.2	24.8	22.8
18	25.9	20.9	29.6	25.6	32.1	29.4	28.3	26.6	30.3	27.9	25.6	23.3
19	25.4	18.7	30.0	25.7	31.6	28.5	28.6	26.2	30.1	28.1	27.4	24.1
20	26.0	19.9	29.6	25.9	31.6	28.6	28.8	26.6	30.4	28.1	27.9	24.6
21	25.6	21.5	30.1	26.4	32.3	27.9	28.6	26.3	30.2	27.9	28.5	25.7
22	25.5	22.2	30.8	27.7	30.3	27.2	28.9	26.2	30.4	27.9	29.3	26.6
23	26.5	22.5	31.2	28.2	29.1	26.4	29.2	25.9	30.9	28.6	29.3	26.8
24	26.9	23.0	30.6	27.7	29.0	26.5	27.3	25.2	32.0	29.5	28.3	27.2
25	26.2	23.8	29.9	27.8	31.4	26.2	27.9	25.5	32.2	30.1	28.8	26.9
26	26.5	22.4	30.4	27.5	30.4	27.1	28.7	26.1	32.0	30.8	27.5	26.3
27	26.0	20.2	30.4	27.3	30.4	27.3	29.2	26.7	31.6	30.6	27.0	25.6
28	24.9	21.3	30.4	27.6	29.7	27.6	30.9	26.2	31.6	30.2	27.0	25.2
29	23.6	21.3	30.7	27.9	29.3	27.9	31.4	26.9	31.7	30.0	26.9	23.5
30	23.8	21.3	32.1	28.2	29.9	27.6	31.8	28.4	31.2	28.9	26.5	21.8
31	---	---	32.3	28.6	---	---	29.7	26.8	30.7	29.0	---	---
MONTH	29.8	18.7	32.3	21.5	33.8	26.2	31.8	25.2	32.2	24.9	31.5	21.8
YEAR	33.8	10.3										

ALAFIA RIVER BASIN

02301721 ALAFIA RIVER AT GIBSONTON, FL

LOCATION.--Lat 27°51'34", long 82°23'04", in NW $\frac{1}{4}$ sec.23, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100204 , on Williams Park boat ramp dock on right bank, 200 ft downstream from bridge on U.S. Highway 41, 0.6 mi north of Gibsonton, and 1.1 mi upstream from mouth.
DRAINAGE AREA.--418 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--January 1987 to September 1989 (tidal stage data); October 1998 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.99 ft, Sept. 17, 2000; minimum, 7.17 ft, Jan. 10, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.55 ft, July 23; minimum, 7.17 ft, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	11.67	9.58	11.98	9.60	11.09	8.93	10.51	8.65	11.10	9.46	11.63	9.20
2	11.49	9.25	12.08	9.70	11.27	9.20	10.23	8.48	10.20	8.92	11.77	9.43
3	11.35	9.33	11.84	9.60	11.10	9.13	10.50	8.81	10.53	8.08	12.26	9.43
4	12.33	9.95	11.53	9.69	10.50	8.97	10.66	8.95	11.07	8.25	12.06	9.77
5	11.81	9.68	11.72	9.92	10.83	9.23	11.72	8.79	11.10	8.08	11.44	8.72
6	11.71	9.82	12.05	10.56	11.56	9.58	11.55	8.87	11.39	8.57	11.35	8.50
7	11.75	9.61	12.01	10.12	11.59	9.38	12.09	8.70	11.40	7.92	11.34	8.56
8	11.31	9.35	12.39	10.51	12.03	9.13	12.08	8.92	11.50	8.56	11.50	8.31
9	10.52	8.46	12.60	10.39	12.26	9.01	12.10	7.92	11.45	8.29	11.76	8.99
10	10.67	8.75	12.71	10.33	12.27	8.90	11.19	7.17	11.46	8.54	12.32	9.39
11	11.15	9.26	12.20	9.29	12.53	8.81	11.68	8.26	11.09	8.60	11.63	9.24
12	11.45	9.44	12.19	9.31	12.69	8.93	11.94	8.90	10.89	8.95	11.97	9.55
13	11.75	9.30	12.50	9.34	12.33	8.73	10.94	8.20	11.05	8.94	12.19	9.40
14	11.95	9.53	12.96	9.62	12.57	8.88	11.08	8.90	11.08	8.96	11.55	9.39
15	11.88	9.39	11.85	8.73	12.00	8.85	10.91	9.13	11.26	8.96	12.41	9.44
16	12.08	9.37	12.00	9.40	11.67	9.42	11.24	9.41	11.21	8.90	11.91	9.74
17	12.36	9.50	12.34	9.79	12.21	9.13	11.23	9.27	11.25	8.87	11.04	9.32
18	12.15	9.38	11.55	9.32	10.97	9.30	11.51	9.09	10.44	8.09	11.02	8.49
19	12.12	9.34	11.72	10.08	11.45	9.38	11.84	9.21	11.66	8.51	11.55	8.77
20	11.89	9.53	11.75	8.77	10.81	8.67	11.49	9.16	11.62	8.80	11.71	10.28
21	11.96	9.37	10.38	8.80	11.27	8.91	10.54	7.56	11.58	8.84	11.71	9.64
22	11.91	9.34	11.05	8.11	11.07	8.61	10.51	7.75	11.70	8.95	11.12	8.70
23	11.62	9.38	11.29	9.00	10.86	7.59	10.57	7.87	11.79	9.03	11.01	8.79
24	11.28	9.50	12.82	9.30	10.82	7.94	10.88	8.27	11.21	8.91	11.12	9.05
25	11.63	9.60	12.81	9.73	10.85	7.41	11.22	8.23	11.53	9.24	11.45	9.25
26	11.99	9.76	12.57	9.27	11.55	7.77	10.54	8.11	11.49	9.21	11.32	8.84
27	12.00	9.68	11.89	8.77	11.79	9.04	10.92	8.55	11.17	9.17	11.02	8.51
28	12.05	9.45	11.96	8.73	12.22	9.56	11.16	8.73	11.38	9.21	11.57	8.80
29	12.38	9.58	11.54	8.69	12.05	8.66	11.13	9.05	---	---	12.41	9.19
30	12.29	9.54	11.48	8.56	11.30	8.67	11.35	9.72	---	---	12.38	9.30
31	11.93	9.33	---	---	10.20	8.13	11.23	9.64	---	---	11.80	9.52
MONTH	12.38	8.46	12.96	8.11	12.69	7.41	12.10	7.17	11.79	7.92	12.41	8.31

ALAFIA RIVER BASIN

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	11.29	9.18	11.27	8.10	11.80	9.46	11.69	9.58	11.84	8.77	12.29	9.55
2	11.22	8.72	11.20	8.88	12.02	9.38	11.88	9.24	11.88	8.93	12.30	9.58
3	11.70	8.72	11.25	9.06	11.84	9.09	11.99	9.10	12.71	9.68	12.26	9.74
4	11.80	8.99	11.01	8.88	11.94	8.78	12.29	9.01	12.82	9.69	12.15	9.68
5	11.81	8.99	11.31	9.01	11.93	8.84	12.46	9.12	12.68	9.78	12.12	9.88
6	11.63	9.10	11.62	8.85	12.05	8.75	12.19	9.01	12.18	9.39	11.80	9.71
7	11.56	9.15	11.78	8.66	12.09	8.79	12.19	9.09	11.82	9.45	11.81	9.88
8	11.60	9.13	11.53	8.63	11.90	8.80	12.10	9.22	11.73	9.61	12.01	9.94
9	11.73	8.96	11.95	8.83	11.90	8.86	11.83	9.43	11.62	9.66	11.99	9.91
10	11.67	8.90	12.26	9.02	11.93	8.90	12.06	9.54	11.47	9.84	12.00	9.47
11	12.28	9.23	12.02	9.03	12.00	9.03	11.60	9.65	11.51	9.70	11.66	9.26
12	12.04	9.25	11.85	9.03	11.54	9.65	11.71	10.02	11.61	9.58	12.15	9.41
13	11.93	9.23	11.82	9.10	11.18	9.66	11.72	10.31	11.60	9.41	11.92	9.27
14	11.86	9.18	11.39	9.15	11.14	9.47	11.62	9.86	11.96	9.41	11.69	9.18
15	11.56	9.37	11.27	9.15	11.14	9.42	11.60	9.34	12.35	9.37	12.19	9.08
16	11.11	9.42	11.32	9.63	11.29	9.31	11.65	9.42	12.56	9.19	12.24	9.44
17	11.04	9.05	11.28	9.62	11.29	9.05	12.20	9.27	12.51	8.90	12.46	9.64
18	10.31	8.01	11.35	9.68	11.54	8.81	12.38	8.97	12.71	9.06	12.57	9.70
19	10.82	8.69	11.47	9.42	11.72	8.47	12.56	8.82	13.09	9.31	12.40	9.80
20	11.32	8.92	11.76	9.27	11.87	8.48	12.45	8.79	12.67	9.34	12.39	9.80
21	11.47	9.13	12.15	9.30	12.17	8.47	13.04	9.26	12.32	9.51	12.72	9.90
22	11.25	8.85	12.31	9.10	12.11	8.59	13.07	9.63	12.07	9.83	12.38	9.75
23	11.72	8.92	12.49	8.91	12.07	8.74	14.55	10.20	11.82	9.84	12.14	9.67
24	11.85	8.85	12.17	8.63	12.09	8.58	12.46	9.84	11.74	9.73	12.16	10.10
25	11.87	8.67	12.63	8.78	11.88	8.58	12.10	9.79	11.81	9.46	12.33	9.68
26	11.24	7.66	12.35	8.79	11.48	8.74	11.52	9.69	11.66	9.38	11.37	9.27
27	11.40	7.67	12.24	8.78	10.99	8.91	11.40	9.74	11.71	9.39	11.74	9.53
28	11.96	8.26	12.01	8.98	11.06	9.02	11.31	9.27	11.66	9.15	12.04	9.77
29	11.17	8.57	11.80	9.21	11.38	9.60	11.37	9.07	11.85	9.23	11.85	9.10
30	11.04	8.29	11.14	9.31	11.55	9.58	11.55	9.04	11.95	9.35	11.28	9.36
31	---	---	11.36	9.25	---	---	11.56	8.70	12.19	9.52	---	---
MONTH	12.28	7.66	12.63	8.10	12.17	8.47	14.55	8.70	13.09	8.77	12.72	9.08
YEAR	14.55	7.17										

ALAFIA RIVER BASIN

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

LOCATION.--Lat 27°51'34",long 82°23'04", in NW¼ sec.23, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100204, near center on U.S. 41 bridge piling, 200 ft upstream of stage gage, and 1.1 mi upstream from mouth.
PERIOD OF RECORD.--May 1999 to May 2000 (top and bottom sensors); June 2000 to current year (top, middle, and bottom sensors).
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature sensors located 1.10 ft below NGVD, 3.70 ft below NGVD, and 6.50 ft below NGVD.
REMARKS.--Interruptions in record were due to malfunctions of the instruments or periods when the top sensor was out of the water during extreme low tide. Specific conductance records fair, temperature records good.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top sensor maximum, 52,200 microsiemens, June 3, 2000; middle sensor maximumn, 50,800 microsiemens, June 16, 2001; bottom sensor maximum, 51,900 microsiemens, June 3, 2000; top sensor minimum, 140 microsiemens, Sept.15, 2001; middle sensor minimum, 150 microsiemens, Sept. 15, 2001; bottom sensor minimum, 140 microsiemens, Sept. 15, 2001.
TEMPERATURE.--Top sensor maximum, 33.8°C, June 14, 2001; middle sensor maximum, 33.6°C, June 14, 2001; bottom sensor maximum, 33.4°C, June 14, 2001; top sensor minimum, 9.0°C, Jan. 1, 2001; middle sensor minimum, 11.1°C, Jan. 4, 2001; bottom sensor minimum, 11.3°C, Jan. 4, 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top sensor maximum, 51,900 microsiemens, June 11; middle sensor maximum, 50,800 microsiemens, June 16; bottom sensor maximum, 51,600 microsiemens, June 18, 19; top sensor minimum, 140 microsiemens, Sept. 15; middle sensor minimum, 150 microsiemens, Sept. 15; bottom sensor minimum, 140 microsiemens, Sept. 15.
TEMPERATURE.--Top sensor maximum, 33.8°C, June 14; middle sensor maximum, 33.6°C, June 14; bottom sensor maximum, 33.4°C, June 14; top sensor minimum, 9.0°C, Jan. 1; middle sensor minimum, 11.1°C, Jan. 4; bottom sensor minimum, 11.3°C, Jan. 4, 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.10 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	42300	19500	46800	30200	47500	30300	47800	26900	46600	28600	48700	39800
2	43800	18900	47000	30400	47000	28100	48000	29700	47300	23900	48300	39400
3	44600	21300	46900	30100	46800	30400	46800	29900	48600	30900	49700	35000
4	44400	23900	46900	34000	47800	29600	47600	25900	49200	30700	49900	35200
5	42200	18800	46100	35300	47600	31700	47400	23500	48600	31000	45000	28000
6	43100	16000	46600	36400	48000	34600	47200	27200	49400	37600	44700	27800
7	43400	18100	46600	36200	48400	31200	47400	27100	49600	36400	46600	22600
8	44300	20600	46600	36800	48500	33500	47300	29300	49800	38100	47700	22700
9	42400	22500	46000	37200	48300	35200	45500	31200	49800	37500	47600	26500
10	44400	22000	45800	37100	48200	36200	48200	29900	49700	36100	47800	31300
11	44900	24800	45800	32000	47500	36200	48200	33500	---	---	48300	31200
12	45500	24300	45900	32500	47500	36000	48000	34300	---	---	48500	35600
13	45600	25300	45800	33900	48200	35600	47900	30100	51000	36600	48500	37500
14	45700	27000	45800	35500	48100	35300	48200	28500	50200	34900	49600	29500
15	45400	25700	46000	31100	47800	34100	47700	25900	---	---	49700	29500
16	44800	27200	46200	34000	47600	36100	48200	28800	---	---	49100	35400
17	45400	26800	46300	37200	47300	37600	47500	28300	50000	38800	48900	27900
18	45600	27900	46300	33900	45800	30900	47700	25500	51300	33700	49700	25200
19	45900	27400	46800	37400	47000	30400	46900	27200	51800	40200	49800	34200
20	46100	27700	46400	30500	47000	31300	43000	28900	51500	38100	49400	37800
21	46300	34200	45700	33300	47400	24300	46800	33100	51500	37100	47500	40400
22	46600	37200	46900	30300	46800	24600	46200	28200	51200	39200	45700	29400
23	45000	35100	46900	28100	47700	28400	46200	29900	51500	43300	47400	24200
24	44700	33400	47700	32100	47800	36700	46800	27300	---	---	47200	27300
25	46800	32300	47700	36500	48000	29900	45900	25300	---	---	46400	32000
26	46800	32400	46300	32400	48200	35800	46500	26600	---	---	46700	28900
27	47100	32700	45900	31300	48200	35500	46400	26900	---	---	47100	17000
28	46500	32300	47000	31500	48000	34800	46700	26600	49900	40600	47800	33000
29	46100	32000	47200	30800	46200	32300	46900	27500	---	---	47500	28000
30	46100	31200	47600	25200	47100	29300	46900	35500	---	---	46500	8250
31	46200	29400	---	---	46900	28100	45600	32000	---	---	44800	3540
MONTH	47100	16000	47700	25200	48500	24300	48200	23500	51800	23900	49900	3540

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.10 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	33300	3490	46800	28900	50400	42200	47900	18400	43500	13500	42000	21000
2	45300	2290	46900	31700	50500	43900	47300	13800	44700	14300	41200	16200
3	48800	8290	46500	34900	49900	41000	46800	18900	44900	7460	41900	15000
4	45600	9020	47100	40800	51600	40000	46900	22700	44400	5060	41300	13500
5	46200	11400	47100	40000	51200	40000	45700	17500	43000	4940	41000	17200
6	46100	22200	47400	41400	51800	39100	45700	16600	41500	3320	41400	16600
7	45600	27600	48800	40800	51700	36700	46000	20300	40300	1660	40800	11600
8	44600	27200	48600	39600	51800	39100	46100	22200	42900	1400	40800	5700
9	45100	10900	48900	39500	51300	33600	44900	21000	42200	1830	39400	3470
10	44700	12400	49100	40800	51400	33600	41000	15300	42100	2720	37900	3920
11	45500	21700	49300	40900	51900	36900	39700	5320	43200	2030	39700	5240
12	45100	22400	49300	39600	51700	41500	42200	5120	41700	1560	41100	10200
13	45000	22700	49400	39200	51400	37100	31500	4320	37600	1300	40600	11100
14	44100	26000	49200	40700	51800	33600	41800	3530	42700	3290	40800	190
15	44600	24800	49200	41600	51600	32400	46000	2440	40000	3320	1470	140
16	41400	30700	48600	42100	51300	38100	45700	4170	41400	4040	10300	160
17	45000	19000	48900	41700	50200	40200	45100	6130	41500	6070	28700	190
18	44600	14200	49600	38600	50900	35200	44700	6360	43500	10500	34900	270
19	45200	17400	49200	37300	51000	38500	43900	6070	43500	8510	34300	1230
20	45200	28500	49200	42100	50600	36000	44000	6880	42900	8180	34400	2070
21	45200	32700	49700	42200	50000	38200	43600	5220	43500	9700	34000	2760
22	45000	36600	50000	42400	49500	36600	42200	6200	44000	11100	34800	3420
23	45100	33700	49800	39500	49600	29600	43700	7990	43500	11500	35600	4220
24	45000	34300	50600	41200	49900	23700	43400	2680	42800	12200	36300	4690
25	44400	32600	50700	41200	49200	23300	43300	2360	41000	11600	31500	3970
26	44300	31400	50100	41700	48900	21000	43300	3110	41300	13100	34100	3130
27	44600	30300	50900	43100	48900	27100	42900	3420	41600	11900	35000	4000
28	45100	30000	50500	42800	49400	28600	45000	3010	41200	12800	36600	6260
29	45000	30500	51500	40500	49200	26600	40900	3920	41900	16100	35800	7350
30	46000	29000	49400	39900	49100	22100	43000	5820	42200	17900	35300	7010
31	---	---	49900	36800	---	---	41600	7070	42000	19200	---	---
MONTH	48800	2290	51500	28900	51900	21000	47900	2360	44900	1300	42000	140
YEAR	51900	140										

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(3.70 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	41000	27800	46600	34800	48100	33300	48300	30800	47400	36200	48300	40600
2	40600	21300	46700	37000	47500	37100	48300	32000	48300	28300	47800	40100
3	40000	21900	46700	39700	47300	35400	48300	38700	48500	30400	50100	38700
4	40000	33400	46700	36800	48100	34700	48500	42200	49000	33400	50200	39300
5	43200	30400	46300	37800	47900	33700	48100	35900	48400	32600	44700	27400
6	43400	22800	46600	38700	48200	38000	47800	32800	48800	37900	46800	26100
7	44000	26100	47100	39200	48500	38800	47900	32800	48900	34100	47400	25200
8	45100	22700	46800	39900	48600	36100	47900	33800	49100	37400	47900	27400
9	44800	23600	46700	38800	48500	36900	47400	30400	49100	36900	47700	30600
10	45100	28900	46700	39900	48500	38000	48700	22600	49000	37200	48000	36300
11	45800	30600	46000	33400	48000	37800	48700	34100	---	---	47800	37200
12	46200	34700	46000	35400	47900	35800	48500	36900	---	---	48200	37600
13	46300	35700	46100	33500	48400	36400	48400	30000	49700	37800	47800	38000
14	46200	33400	46300	36400	48200	36800	48600	32600	49600	42100	48400	39100
15	45800	33000	46300	31500	48100	35300	48400	37600	---	---	48400	39800
16	45200	34100	46600	35400	47900	36400	48800	41500	---	---	48100	37300
17	45800	33200	46500	38900	47100	37500	48700	41100	48400	39800	48200	32600
18	46100	34600	46700	33700	47700	38000	48800	34000	49500	30200	48100	27400
19	46300	31900	47100	38200	47500	36100	48300	35000	49800	35000	48100	33000
20	46700	33600	47000	30900	47500	32200	46800	34200	50000	38400	47900	39900
21	47200	33700	46600	36000	48000	35100	47800	24900	49800	38100	45800	39500
22	47400	35900	46800	30800	47600	29300	47900	30200	49500	39100	45300	30400
23	46600	35900	46800	35000	48200	29900	47300	31900	50100	41200	46300	27200
24	46200	34200	47400	34500	48300	34100	47900	31500	---	---	46600	34300
25	46600	36500	47300	36800	48400	32000	47300	32000	---	---	45900	36000
26	46800	35600	46600	36600	48600	34000	47800	28300	---	---	46300	32500
27	47000	37100	46400	32900	48800	37600	47600	32500	---	---	45600	30100
28	46400	36000	47000	33300	48600	38400	47600	32400	49300	39800	47500	33200
29	46700	35900	47200	33300	46800	34400	47800	35600	---	---	48000	28500
30	46700	33700	47900	29900	47400	34800	47700	37800	---	---	47500	11200
31	46600	32400	---	---	48300	29900	47100	35900	---	---	46500	6460
MONTH	47400	21300	47900	29900	48800	29300	48800	22600	50100	28300	50200	6460

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	41700	5930	---	---	49600	42500	49300	22000	45200	14100	42800	21900
2	46400	3460	---	---	49200	43200	48900	18200	45400	14700	42200	18800
3	49600	13100	---	---	49500	41100	49200	23600	45300	8670	42400	19100
4	46600	18000	---	---	49900	39200	49100	25600	44900	5350	41700	17800
5	47100	21400	---	---	49800	38700	48200	25100	43600	6300	41900	22100
6	47100	26400	---	---	49800	38100	48100	22000	42400	5160	42300	21700
7	46800	29600	---	---	49300	36300	48300	26700	43500	1710	42300	18500
8	46000	30100	49300	38900	49300	39200	48400	27400	43700	1800	42600	12000
9	46200	25500	49700	40700	49000	36000	47400	30000	44300	2150	42000	4200
10	46100	23600	50000	42100	48700	37300	44900	23700	43400	3650	41200	4480
11	46000	26700	50200	42100	49200	39600	46300	14200	44100	2290	41700	8310
12	45800	28200	50200	42600	49600	40800	45000	6140	42700	2020	42200	13400
13	45400	28900	50200	42600	49900	38200	44800	6140	42300	1670	42300	12100
14	44300	30300	49800	43900	50400	37100	44900	5230	43100	3550	41900	200
15	44500	30300	49600	42500	50600	36500	46600	7030	41800	4680	2140	150
16	41200	30600	48600	40700	50800	40500	46600	9100	42600	5590	13700	190
17	43900	28900	48500	39400	49700	40000	46600	9350	43700	6790	20000	220
18	42200	19700	49000	39000	50200	35300	46500	8090	44300	12500	26000	320
19	43400	32700	49700	42300	50600	38100	44900	7430	44500	10600	27000	1760
20	43600	29000	49800	43200	50100	38000	45100	9430	44200	9700	26500	3000
21	44100	35300	50000	42800	50100	38400	44900	6950	44100	12900	27200	4620
22	43800	36600	49800	41700	50000	38200	44100	7940	44400	15500	29100	5090
23	44200	35300	50000	40500	50100	31400	44600	9300	44700	18700	31800	5870
24	---	---	49200	39000	49600	27100	43900	3440	44200	20900	32400	6910
25	---	---	49000	40900	49700	28800	43500	2850	43100	17100	31200	4870
26	---	---	48000	39500	50000	28800	42100	4140	43000	17400	31400	4420
27	---	---	48500	39200	49800	32200	42200	4450	44300	15600	33400	6430
28	---	---	48600	40800	49900	33200	43300	6260	42000	15600	37300	8120
29	---	---	49000	40600	49800	33100	41400	8450	42800	19600	38200	11200
30	---	---	48700	42400	50000	29900	41800	6930	42500	21100	38300	9430
31	---	---	48800	40000	---	---	44500	9020	42400	22600	---	---
MONTH	49600	3460	50200	38900	50800	27100	49300	2850	45400	1670	42800	150
YEAR	50800	150										

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(6.50 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	44600	37200	46300	41800	47100	42000	47000	42600	47500	39600	46800	40300
2	45000	35000	46500	43600	47000	42000	47000	39200	48500	41700	47700	41100
3	45000	30100	46600	43300	46700	41200	47100	43900	48500	35000	48800	39900
4	45100	40900	46500	41800	47000	44600	47100	43600	48800	38800	48800	42000
5	43900	38700	46400	42200	46800	42600	46900	41500	48600	37500	43900	30700
6	43900	37500	46400	42700	47000	42900	46800	39900	48500	40300	46600	26900
7	44700	36300	46600	39800	47300	42400	46700	38400	48400	37500	47800	29800
8	45500	34100	46400	42400	47400	41100	46800	39200	48400	38000	48500	35000
9	45400	30500	45800	41300	47200	40500	46100	31100	48500	38400	48300	41000
10	45000	35100	45700	39900	47300	40700	47100	27200	48300	41200	48300	40600
11	46000	41500	45100	35800	46800	40100	47300	38300	---	---	48500	39800
12	46800	37000	45200	38300	46900	40000	47200	37700	---	---	48400	42400
13	47100	38700	45300	39400	47100	38000	47200	35600	48800	43400	48100	39800
14	46200	39900	45400	37100	47000	40000	47600	41600	48600	44400	48500	40500
15	47100	38800	45200	34200	46900	39100	47700	43500	---	---	48600	42600
16	47200	40600	45400	39000	46800	41000	48200	44300	---	---	48300	42000
17	47100	39100	45400	39200	46500	39000	48000	44100	47000	41600	48400	41100
18	47400	37300	45400	36300	46400	40400	48300	43800	48100	34400	48400	37400
19	47100	39100	45800	39400	46200	38900	47900	42600	48300	36100	48400	41000
20	47100	42400	45800	33200	46100	33800	46600	38400	48200	41300	48200	43400
21	47100	36900	45600	38600	46500	41600	47300	27500	48000	41100	46300	40100
22	47200	36800	45500	35200	46400	39600	47500	35300	47800	39700	46900	34800
23	46600	37300	45500	40900	46700	32500	47300	37200	47900	42900	47200	36000
24	46100	37200	45900	39500	46900	36100	47300	38200	---	---	47400	39000
25	46300	42000	45900	39300	46900	35200	46800	37700	---	---	47000	38100
26	46300	41600	45300	38900	47000	37400	47300	35000	---	---	46600	35500
27	46600	41800	45200	35500	47200	42700	47200	38500	---	---	46000	34600
28	46200	40200	45400	37200	47200	42000	46800	39300	47400	41100	46100	38000
29	46300	39300	45500	37700	45600	36200	46900	41100	---	---	46300	32300
30	46400	40200	46500	39300	46600	38900	47000	40600	---	---	45900	19300
31	46200	38700	---	---	47000	35400	46500	39600	---	---	45300	20700
MONTH	47400	30100	46600	33200	47400	32500	48300	27200	48800	34400	48800	19300

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	44500	14400	47600	38000	49100	43200	---	---	44800	17600	42800	28400
2	44900	7670	47900	42500	49600	42700	---	---	44700	16800	42200	26500
3	49600	35100	48000	40400	49400	41000	---	---	44600	17600	42200	30800
4	47100	35600	48400	42600	51000	39500	48600	30600	44500	11000	41700	28600
5	47400	32200	49000	43100	51300	42200	47800	34300	43400	11700	41800	34200
6	47500	39000	49100	43400	51000	41500	47800	32600	42300	8850	41800	31600
7	47400	38400	49300	41000	51200	42100	47700	34800	43300	2290	42100	32000
8	46700	34200	49300	41000	51100	42900	47600	34800	43600	2770	42300	34100
9	46800	34500	49700	38900	50200	40400	48700	33600	43900	15300	42200	14800
10	46700	33800	50600	42800	50400	41700	46600	30700	43200	30700	41700	18700
11	46400	36500	50100	42200	50400	43900	46300	33000	43700	15100	42400	17800
12	46200	36200	50400	43500	50400	44000	45300	23600	42800	4670	42800	17600
13	45800	34900	50500	44100	50900	43800	44700	19000	42600	6440	42900	18300
14	44600	36200	50200	43900	50200	43100	44900	24800	42900	14100	42900	200
15	44100	36500	49800	40500	51300	43100	46500	24000	41600	11000	1220	140
16	41500	33600	49700	43500	51000	41600	46900	33900	42000	10900	33300	193
17	42100	32200	49700	43800	51300	37100	47000	20500	42000	14900	33700	340
18	40900	25200	49700	43900	51600	40400	46700	10900	42500	16100	33300	460
19	40800	36200	49400	43200	51600	39400	45800	9260	42600	17800	33700	1940
20	43100	32900	48900	42700	51500	40700	46000	14400	42400	16900	33700	5450
21	44000	36800	49700	43300	50800	37300	46200	9470	41300	26100	34400	7820
22	44500	37400	50100	41600	50700	42200	45500	15100	41700	31100	34400	15800
23	45000	36700	50300	40500	50500	36600	45600	20200	41900	34400	35000	17700
24	45900	37600	49600	38000	50300	34300	45100	6590	42100	36900	34900	24400
25	45500	34400	50600	41900	50100	36000	44700	8840	41600	33300	33400	14000
26	45600	28500	50100	42300	---	---	44300	27500	42600	36200	33600	10300
27	46000	30500	50000	42100	---	---	44300	20800	43800	36400	35100	16800
28	46100	37400	50300	40400	---	---	44500	14600	42300	32100	38000	19700
29	46700	38600	49600	42200	---	---	43700	15900	43100	34000	38900	15500
30	46400	35200	49300	44700	---	---	43200	20600	42600	30500	39000	23500
31	---	---	48900	43400	---	---	44000	10900	42500	33600	---	---
MONTH	49600	7670	50600	38000	51600	34300	48700	6590	44800	2290	42900	140
YEAR	51600	140										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.10 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.2	25.9	24.7	22.0	19.9	16.6	13.4	9.0	20.9	17.5	25.4	24.0
2	27.9	25.4	24.8	22.0	21.1	17.7	13.3	11.0	20.9	17.1	25.4	23.9
3	27.5	26.2	25.4	22.3	20.4	17.9	12.6	10.0	17.7	15.4	25.3	24.3
4	29.7	26.8	25.5	22.9	18.1	15.0	12.5	9.3	16.5	15.7	25.2	22.9
5	31.8	27.7	25.6	23.7	18.1	15.3	13.2	9.3	17.4	15.8	22.9	20.2
6	31.8	27.9	25.2	23.4	17.3	15.1	13.6	12.1	17.4	15.3	20.3	17.7
7	31.0	28.5	25.8	23.5	17.6	15.9	14.0	12.3	18.7	15.7	19.2	16.6
8	29.0	27.5	25.7	23.7	19.2	16.1	14.5	12.7	18.1	15.8	19.3	16.8
9	27.7	21.6	25.1	23.6	19.8	16.9	14.2	12.7	18.8	16.3	19.8	17.3
10	23.7	19.2	25.4	24.2	20.5	17.0	12.9	10.4	20.6	17.2	21.1	18.8
11	23.7	20.3	24.7	22.4	20.3	17.8	13.9	11.1	---	---	21.8	18.8
12	24.1	20.7	24.3	21.8	21.0	18.4	15.3	12.2	---	---	22.7	19.5
13	24.5	21.0	23.6	21.7	21.3	18.7	14.9	13.1	21.9	18.5	22.5	21.1
14	24.5	21.5	23.5	22.3	22.7	18.9	16.1	12.3	22.9	19.2	22.7	21.0
15	24.2	21.7	22.6	20.3	23.1	19.6	17.9	13.0	---	---	23.7	21.6
16	24.0	22.3	22.8	19.5	23.4	20.0	18.7	13.5	---	---	24.4	22.8
17	24.5	22.2	23.7	21.3	22.9	19.8	18.9	14.3	23.3	21.8	24.4	22.8
18	25.4	22.4	23.7	21.1	20.4	16.2	19.0	14.5	22.9	20.5	22.9	20.8
19	26.4	22.7	23.8	21.1	18.9	15.9	20.8	16.1	20.8	20.2	21.6	20.6
20	27.0	23.1	22.8	20.7	16.5	13.8	19.8	16.5	22.6	19.9	21.7	20.5
21	25.7	23.1	20.8	18.0	15.7	12.7	17.3	14.5	22.6	20.8	20.5	18.7
22	25.1	23.1	18.8	15.8	16.2	13.8	15.8	13.8	23.1	21.5	20.2	17.2
23	24.7	22.9	17.8	14.9	16.1	13.8	14.6	12.7	23.9	21.4	21.2	17.6
24	24.7	22.6	18.3	16.1	16.1	14.5	14.5	12.3	---	---	22.3	18.6
25	24.8	22.3	19.7	17.7	15.6	14.0	15.1	13.1	---	---	22.7	20.4
26	25.1	22.1	19.7	18.7	15.2	14.2	14.4	11.9	---	---	22.5	20.6
27	24.8	22.4	19.7	18.4	16.2	14.3	15.0	12.7	---	---	22.0	19.6
28	24.5	22.6	19.3	17.7	17.5	15.3	16.2	13.1	25.3	23.4	21.8	18.7
29	24.9	23.0	19.2	17.4	16.7	15.2	16.8	13.8	---	---	21.6	19.8
30	25.1	23.5	19.8	17.3	15.6	13.3	18.3	14.3	---	---	23.0	19.7
31	25.0	22.9	---	---	15.1	11.0	20.9	16.9	---	---	22.7	20.7
MONTH	31.8	19.2	25.8	14.9	23.4	11.0	20.9	9.0	25.3	15.3	25.4	16.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.3	20.2	24.4	22.1	31.0	29.0	30.2	27.2	29.1	26.9	31.7	28.5
2	22.5	20.2	25.1	22.6	30.4	27.8	31.1	28.0	28.6	25.5	31.1	28.6
3	24.6	19.8	24.4	22.6	31.3	28.8	31.3	28.7	28.3	25.5	31.9	28.6
4	24.7	21.0	25.2	22.3	31.7	29.0	30.8	27.8	28.0	24.9	31.1	28.6
5	26.3	21.7	25.5	22.5	31.6	28.8	30.8	28.3	27.9	25.7	31.7	28.2
6	25.1	21.9	25.4	22.6	30.9	28.4	32.1	29.0	28.4	25.6	31.6	28.2
7	24.7	21.8	25.5	21.9	31.5	28.1	31.0	29.0	28.1	25.5	31.7	28.3
8	25.7	23.1	24.5	22.5	31.8	28.2	31.1	28.3	28.7	25.5	31.8	27.7
9	26.7	23.8	24.9	21.4	32.1	29.9	30.3	28.2	28.8	26.3	30.2	26.2
10	27.4	23.6	25.0	22.1	32.2	29.9	30.1	27.8	31.9	26.7	29.7	26.3
11	27.2	23.4	25.2	22.9	31.9	30.5	28.7	26.4	30.6	27.1	29.7	26.4
12	27.4	24.4	25.8	22.8	32.2	30.4	29.7	26.3	30.1	26.2	29.5	27.0
13	28.2	26.0	26.4	24.2	33.0	30.8	28.7	27.5	29.8	26.9	29.1	26.4
14	28.6	26.1	27.4	25.3	33.8	31.0	29.8	27.1	30.8	27.5	28.6	22.6
15	28.9	26.9	27.7	25.5	33.5	30.7	28.8	26.4	31.7	28.1	24.8	16.0
16	28.8	25.7	28.6	26.2	32.9	30.5	29.3	25.9	30.2	28.5	24.5	22.2
17	28.0	24.8	29.1	26.3	33.0	30.6	28.9	26.7	30.9	28.3	25.1	22.5
18	26.1	23.4	29.2	26.6	32.4	29.9	29.7	27.2	32.1	28.2	25.6	23.1
19	25.0	22.2	29.4	26.5	31.9	28.9	29.7	26.8	31.9	28.0	26.9	23.8
20	25.4	21.5	29.3	26.7	32.6	28.3	29.7	27.1	31.2	28.0	28.1	24.5
21	25.0	22.0	29.4	26.6	31.7	28.7	29.4	26.6	31.2	28.0	30.8	25.4
22	25.0	22.2	30.2	27.7	30.7	28.3	29.4	26.3	32.2	27.7	29.2	26.3
23	26.2	22.5	30.5	28.0	29.8	27.0	29.5	25.9	30.7	28.1	29.3	26.6
24	25.9	22.8	30.8	27.6	29.1	26.8	28.3	25.3	32.9	28.4	28.5	26.5
25	25.7	24.0	29.7	27.5	30.8	27.1	29.2	25.7	32.1	29.5	28.2	26.8
26	26.4	23.4	30.1	28.5	30.7	27.8	29.0	26.2	31.7	29.9	28.1	26.2
27	25.6	22.1	30.1	28.5	30.4	28.0	28.8	26.9	32.0	29.7	27.3	25.7
28	24.5	23.0	30.5	28.6	29.7	27.5	30.5	26.5	32.4	30.2	27.7	24.4
29	23.6	22.3	30.2	28.6	29.6	27.2	31.2	27.5	32.1	29.6	27.5	24.5
30	23.7	21.5	31.7	28.8	29.9	26.8	30.9	28.5	30.9	29.0	27.0	22.7
31	---	---	32.0	29.3	---	---	30.5	27.4	31.0	29.2	---	---
MONTH	28.9	19.8	32.0	21.4	33.8	26.8	32.1	25.3	32.9	24.9	31.9	16.0
YEAR	33.8	9.0										

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(3.70 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.1	26.4	24.2	23.1	18.8	17.2	13.5	11.5	19.9	17.1	25.2	24.0
2	27.9	25.9	24.2	23.2	20.0	18.1	13.0	11.6	20.1	16.9	25.4	24.1
3	27.4	26.3	24.6	23.2	19.9	18.1	12.5	11.5	17.8	16.2	25.3	24.4
4	29.0	27.1	25.2	23.2	18.5	16.4	13.0	11.1	16.5	15.7	25.2	23.4
5	29.4	27.5	25.1	23.6	17.7	15.6	13.0	11.2	17.3	16.0	23.4	20.2
6	31.2	27.6	25.1	23.7	17.1	15.9	13.7	11.9	17.2	15.6	20.3	17.8
7	29.8	28.2	25.1	23.8	17.4	16.2	13.6	12.5	18.4	15.8	19.2	17.0
8	29.0	27.6	25.4	23.8	18.3	16.3	14.3	12.5	18.1	15.8	19.3	17.1
9	27.9	23.8	24.9	24.0	19.2	16.7	14.3	12.7	18.5	16.3	19.7	17.4
10	23.9	20.0	25.3	24.2	18.9	16.8	12.8	11.3	20.1	17.1	21.1	18.7
11	23.6	20.8	24.7	22.8	20.0	17.4	13.3	11.6	---	---	21.7	18.9
12	24.0	21.7	24.0	22.4	20.4	18.2	14.9	12.0	---	---	22.4	19.6
13	24.4	21.9	23.3	21.9	21.1	18.6	15.0	13.1	21.5	18.2	22.5	20.8
14	24.3	22.0	23.3	22.5	21.8	18.9	14.9	12.8	21.7	18.8	22.4	21.7
15	24.1	22.1	22.7	20.9	22.6	19.5	15.5	13.0	---	---	23.7	21.4
16	23.8	22.7	21.9	20.5	22.6	20.0	15.6	13.3	---	---	24.4	22.7
17	24.3	22.7	23.6	21.1	22.8	20.0	16.1	13.7	23.2	22.0	24.3	23.4
18	25.2	22.8	23.3	21.2	20.6	18.9	18.5	13.8	22.7	20.5	23.5	21.0
19	25.3	23.1	23.6	21.4	19.1	16.5	20.7	15.4	20.7	20.2	21.6	20.8
20	25.9	23.1	22.9	21.4	16.7	14.8	19.4	16.8	21.3	20.0	21.7	20.4
21	25.6	23.2	21.4	18.9	15.8	14.1	17.1	14.4	22.5	20.6	20.5	18.8
22	25.1	23.4	19.0	16.5	15.7	14.4	15.8	14.3	22.9	21.3	20.2	17.6
23	24.6	23.4	17.8	16.6	15.2	14.0	14.8	13.2	23.6	21.4	21.2	18.2
24	24.7	22.8	18.2	16.2	15.8	14.5	14.5	12.8	---	---	22.2	19.3
25	24.7	22.6	19.5	17.6	15.3	14.1	14.8	13.3	---	---	22.7	20.2
26	25.0	22.7	19.6	18.5	15.2	14.3	14.4	12.5	---	---	22.6	20.8
27	24.4	22.9	19.3	18.6	15.7	14.4	14.6	13.1	---	---	22.1	19.9
28	24.3	23.0	19.1	18.1	17.2	15.1	15.6	13.4	25.2	23.3	21.8	18.9
29	24.5	23.3	19.0	18.2	16.6	15.4	15.8	13.7	---	---	21.5	19.8
30	24.4	23.4	19.1	17.8	15.6	14.0	18.2	14.2	---	---	22.8	19.9
31	24.3	23.4	---	---	15.5	11.7	20.3	16.4	---	---	21.7	20.2
MONTH	31.2	20.0	25.4	16.2	22.8	11.7	20.7	11.1	25.2	15.6	25.4	17.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.9	20.5	24.2	22.3	31.0	29.2	29.7	28.8	29.4	27.4	31.7	30.1
2	21.4	20.6	24.9	22.6	30.4	28.1	30.8	28.8	29.0	26.0	31.3	30.0
3	23.4	20.1	24.2	22.8	31.4	29.1	30.6	28.9	28.9	26.0	31.7	30.3
4	24.4	21.6	25.1	22.4	31.6	29.4	30.5	28.9	28.6	26.4	31.3	30.2
5	24.6	21.6	25.4	22.4	31.4	29.0	31.0	29.4	28.3	26.7	31.4	29.6
6	25.0	21.7	25.3	22.6	30.9	28.6	31.9	29.9	28.3	26.6	32.0	29.3
7	24.7	22.1	25.5	22.4	31.5	28.4	31.2	29.8	28.3	25.9	31.4	29.1
8	25.6	22.9	24.5	22.9	31.8	29.7	31.2	29.7	28.3	26.0	30.9	28.8
9	26.6	23.6	24.8	22.2	32.1	30.6	30.6	29.5	28.8	26.7	30.7	26.8
10	27.1	24.1	25.0	23.2	32.2	31.0	30.3	28.9	29.3	27.5	30.2	26.9
11	26.9	24.6	25.1	23.4	31.9	31.1	29.9	27.6	30.1	27.5	30.2	27.5
12	27.2	25.1	25.8	23.5	32.2	31.0	30.0	27.7	29.7	26.6	30.0	28.3
13	28.0	25.9	26.5	24.3	32.8	30.9	29.5	28.0	29.9	27.3	29.6	27.0
14	28.4	26.7	27.3	25.4	33.6	31.6	29.7	27.8	30.4	28.5	29.1	22.9
15	28.7	26.6	27.6	25.6	33.4	31.4	29.2	27.4	31.7	28.5	25.5	22.4
16	28.7	26.4	28.5	26.3	33.1	31.2	28.9	28.1	30.6	29.3	25.5	22.6
17	27.9	26.2	29.0	26.7	32.9	31.0	29.0	27.3	31.0	29.7	25.5	22.9
18	26.2	22.9	29.1	27.0	32.2	30.6	29.7	27.5	31.1	28.9	25.9	23.4
19	25.2	22.2	29.4	27.4	31.6	29.9	29.8	27.5	31.4	29.1	26.9	24.2
20	25.2	21.8	29.3	27.1	32.2	29.0	29.9	27.8	31.2	29.1	27.9	24.9
21	24.8	22.4	29.3	27.0	31.7	29.3	29.7	27.1	31.1	29.0	28.8	25.8
22	24.9	22.3	30.2	27.9	30.7	28.7	29.8	27.3	31.3	29.3	28.8	26.6
23	25.7	22.5	30.5	28.7	29.8	27.4	29.7	26.3	31.1	29.3	28.3	26.9
24	25.8	23.0	30.6	28.2	29.0	27.7	28.7	25.8	32.2	30.1	29.1	26.9
25	25.6	24.5	29.7	27.7	30.6	27.8	28.3	26.3	32.2	30.6	28.6	27.2
26	26.1	23.5	30.1	28.6	30.2	28.4	28.8	26.7	31.7	30.8	27.9	26.6
27	25.6	22.8	30.1	28.8	29.7	28.5	29.0	27.4	31.4	30.6	27.6	26.1
28	24.5	23.4	30.3	28.9	29.6	28.4	30.0	27.6	31.9	30.6	27.7	26.1
29	23.8	22.3	30.1	28.9	29.3	28.7	30.9	28.5	31.7	30.7	27.7	25.4
30	23.5	21.9	31.6	29.4	29.7	28.6	31.0	28.7	30.9	29.9	27.8	25.2
31	---	---	32.0	29.7	---	---	31.0	27.9	31.1	30.2	---	---
MONTH	28.7	20.1	32.0	22.2	33.6	27.4	31.9	25.8	32.2	25.9	32.0	22.4
YEAR	33.6	11.1										

02301721 ALAFIA RIVER AT GIBSONTON, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(6.50 FT BELOW NGVD)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.1	27.1	24.2	23.5	18.9	17.7	13.5	11.7	19.3	16.9	25.1	24.1
2	27.8	26.7	24.1	23.3	19.4	18.1	12.8	11.6	19.0	16.8	25.2	23.9
3	27.4	26.8	24.2	23.2	19.4	18.3	12.2	11.6	17.9	16.4	25.2	24.3
4	27.6	27.1	24.3	23.3	18.5	16.4	12.8	11.3	16.5	16.0	25.2	23.8
5	28.5	27.3	24.4	23.5	17.4	16.2	12.7	11.3	17.2	15.9	23.8	20.2
6	29.2	27.5	24.5	23.7	17.0	16.1	13.6	11.8	17.1	15.7	20.4	18.0
7	29.3	27.6	24.8	23.8	17.1	16.2	13.4	12.2	17.8	15.8	19.1	17.6
8	28.6	27.6	24.9	23.8	17.6	16.3	14.3	12.2	17.9	15.8	19.2	17.4
9	28.0	23.7	24.8	24.1	18.2	16.6	14.3	12.7	18.3	16.3	19.6	17.7
10	24.1	21.6	25.3	24.2	18.6	16.7	12.7	11.5	19.7	17.0	20.8	18.6
11	23.3	21.6	24.7	23.3	19.6	17.3	13.0	11.7	---	---	21.4	18.7
12	23.8	22.1	23.9	22.5	20.0	18.0	14.9	12.0	---	---	21.7	19.6
13	23.8	22.6	23.2	22.2	20.9	18.4	14.4	13.1	20.2	18.2	22.6	20.6
14	23.7	22.5	23.2	22.6	20.9	18.8	14.1	12.8	20.7	18.7	22.2	21.7
15	23.7	22.5	22.8	21.2	21.4	19.4	14.5	12.9	---	---	23.6	21.4
16	23.7	22.7	21.6	20.7	22.0	20.0	14.6	13.2	---	---	24.3	22.7
17	23.9	22.8	23.4	21.1	22.8	20.3	15.2	13.5	23.2	22.4	24.2	23.4
18	24.7	22.8	22.6	21.5	21.3	19.0	18.0	13.6	22.5	20.8	23.9	21.4
19	24.6	23.0	23.3	21.5	19.2	16.5	20.5	15.1	20.8	20.2	21.6	20.9
20	24.4	23.1	22.9	21.5	16.6	14.7	19.2	17.2	21.0	20.0	21.7	20.4
21	25.2	23.2	21.5	18.9	15.6	14.4	18.3	14.5	22.4	20.5	20.5	18.8
22	25.1	23.4	19.3	17.0	15.6	14.5	15.8	14.5	22.8	21.1	20.3	17.6
23	24.7	23.6	17.9	16.7	15.0	14.3	14.9	13.1	23.4	21.4	21.2	18.6
24	24.7	23.3	18.0	16.3	15.7	14.5	14.6	12.9	---	---	21.9	19.4
25	24.5	23.0	19.0	17.6	15.1	14.3	14.7	13.6	---	---	22.5	20.0
26	24.3	23.0	19.4	18.3	15.0	14.4	14.4	12.9	---	---	22.5	20.8
27	24.2	23.1	19.2	18.6	15.5	14.4	14.4	13.2	---	---	22.1	20.3
28	24.3	23.1	19.1	18.4	16.9	15.0	14.8	13.6	25.1	23.4	21.7	19.7
29	24.3	23.2	19.1	18.3	16.4	15.5	15.2	13.7	---	---	21.4	19.8
30	24.2	23.4	19.2	18.0	15.8	14.5	18.1	14.0	---	---	22.1	19.9
31	24.2	23.6	---	---	15.5	12.6	19.3	15.9	---	---	21.5	20.1
MONTH	29.3	21.6	25.3	16.3	22.8	12.6	20.5	11.3	25.1	15.7	25.2	17.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.6	20.5	24.0	22.6	31.0	29.3	---	---	29.2	27.6	31.5	30.5
2	21.4	20.7	24.4	22.6	30.4	28.6	---	---	28.9	26.1	31.1	30.6
3	23.3	20.8	24.2	22.8	31.4	29.2	---	---	28.8	26.8	31.6	30.7
4	23.9	21.6	25.1	22.3	31.6	29.9	30.3	28.8	28.5	26.7	31.1	30.6
5	23.7	21.6	25.4	22.5	31.4	29.9	30.7	29.3	28.2	27.1	31.3	30.5
6	23.5	21.7	25.2	22.7	30.9	29.2	31.4	29.7	28.2	26.8	31.4	30.3
7	24.4	22.0	25.4	22.6	31.5	29.4	30.8	29.6	28.1	26.2	31.0	30.1
8	25.5	22.8	24.5	23.1	31.8	29.9	30.9	29.6	28.2	26.3	30.9	30.2
9	26.4	23.4	24.8	23.2	32.1	30.8	30.6	29.9	28.4	27.4	30.6	27.6
10	26.7	24.0	24.9	23.3	32.2	30.9	30.2	29.2	28.3	27.8	30.2	27.8
11	26.3	24.6	25.1	23.4	31.9	31.1	29.9	28.7	29.3	27.7	30.2	28.4
12	26.8	25.0	25.6	23.6	32.2	31.0	29.5	28.9	29.2	27.5	30.0	28.8
13	27.7	25.7	26.5	24.2	32.2	30.9	29.4	28.9	29.2	27.9	29.5	27.6
14	28.2	26.7	27.2	25.4	33.4	31.5	29.2	28.7	29.4	28.7	29.0	22.8
15	28.6	26.5	27.5	25.6	33.2	31.4	29.2	28.1	30.8	28.6	24.6	20.7
16	28.5	27.0	28.6	26.3	33.2	31.3	28.9	28.3	30.4	29.1	25.5	22.0
17	27.8	26.3	29.2	26.8	32.9	31.4	28.9	27.8	30.4	29.7	25.6	22.8
18	26.4	22.9	29.0	26.8	32.1	30.6	29.3	27.5	30.7	29.2	25.7	23.3
19	24.7	22.1	29.4	27.4	31.6	30.3	29.7	27.6	31.1	29.5	26.6	24.2
20	24.6	22.1	29.3	27.5	31.9	29.7	29.5	28.0	30.9	29.7	27.3	25.1
21	24.7	22.4	29.3	27.6	31.6	29.7	29.7	27.3	30.8	29.9	27.6	26.1
22	24.8	22.4	30.2	28.1	30.7	29.1	29.7	27.8	31.1	30.2	27.4	26.4
23	25.1	22.7	30.5	28.9	29.8	27.8	29.7	27.3	31.0	30.4	27.4	26.7
24	25.7	23.2	30.5	28.3	28.9	27.9	28.8	26.6	31.1	30.6	28.9	26.8
25	25.6	24.5	29.7	27.9	30.2	28.2	28.3	26.6	31.5	30.8	28.5	27.0
26	26.1	23.6	30.1	28.6	---	---	28.7	27.6	31.5	30.8	27.7	26.7
27	25.5	23.2	30.1	28.9	---	---	28.6	28.0	31.0	30.6	27.4	26.4
28	24.5	23.6	30.2	29.0	---	---	28.7	28.0	31.1	30.5	29.0	26.7
29	23.8	22.3	30.1	28.9	---	---	29.7	28.4	31.2	30.6	27.7	26.0
30	23.4	21.9	31.6	29.4	---	---	29.6	28.6	30.8	30.5	27.7	25.0
31	---	---	32.0	29.6	---	---	29.4	28.1	31.0	30.5	---	---
MONTH	28.6	20.5	32.0	22.3	33.4	27.8	31.4	26.6	31.5	26.1	31.6	20.7
YEAR	33.4	11.3										

02301738 ARCHIE CREEK AT 78TH STREET NEAR TAMPA, FL

LOCATION.--Lat 27°52'47", long 82°22'15", in SE ¼ sec.11, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on right bank of creek, 400 ft downstream from 78th street, and 7.2 mi southeast of Tampa.
DRAINAGE AREA.--2.90 mi^2.
PERIOD OF RECORD.--February 1999 to current year.
GAGE.--Water-stage recorder. Datum of gage is 12.71 ft below National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, PERIOD FEBRUARY TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	e1.1	.06	.00	.00	.00	.87	.15	.24
2	---	---	---	---	1.2	.01	.00	.00	.00	.99	.15	.28
3	---	---	---	---	1.2	.01	.00	.00	.00	.98	.13	.14
4	---	---	---	---	.95	.01	.00	.00	.00	.73	.52	.09
5	---	---	---	---	.80	.01	.00	.00	.00	.45	.32	.07
6	---	---	---	---	.66	.01	.00	.00	.00	.26	.44	.43
7	---	---	---	---	.56	.01	.00	.00	.00	.55	.32	.36
8	---	---	---	---	.70	.01	.00	.00	.00	.98	.15	.25
9	---	---	---	---	.73	.01	.00	.00	.02	3.2	.13	.22
10	---	---	---	---	.55	.01	.00	.00	.00	3.0	.22	.15
11	---	---	---	---	.37	.01	.00	.00	.00	1.3	.14	.11
12	---	---	---	---	.29	.01	.00	.00	.00	1.1	.16	.13
13	---	---	---	---	.21	.01	.00	.00	.00	1.1	.13	.07
14	---	---	---	---	.27	.04	.00	.00	.00	1.6	.08	.06
15	---	---	---	---	.33	.03	.00	.00	.51	4.0	1.5	.05
16	---	---	---	---	.79	.02	.00	.00	.83	4.1	1.1	.04
17	---	---	---	---	.45	.01	.00	.00	.54	2.3	1.0	.04
18	---	---	---	---	.09	.01	.00	.00	.53	1.5	.96	.23
19	---	---	---	---	.08	.01	.00	.00	.83	1.2	.75	.51
20	---	---	---	---	.04	.01	.00	.00	.81	1.0	.64	1.8
21	---	---	---	---	.04	.01	.00	.00	1.2	.83	.78	1.6
22	---	---	---	---	.06	.00	.00	.00	1.1	.63	1.1	1.1
23	---	---	---	---	.21	.00	.00	.00	.95	.57	4.3	.73
24	---	---	---	---	.38	.00	.00	.00	1.6	.37	1.7	.59
25	---	---	---	---	.05	.00	.00	.00	e.50	.28	1.0	.48
26	---	---	---	---	.05	.00	.00	.00	.00	.24	.83	.40
27	---	---	---	---	.02	.00	.00	.00	e.50	.20	.66	.44
28	---	---	---	---	.01	.00	.00	.00	e.60	.14	.49	.60
29	---	---	---	---	---	.00	.00	.00	e.87	.16	.36	.42
30	---	---	---	---	---	.00	.00	.00	.72	.19	.28	.34
31	---	---	---	---	---	.00	---	.00	---	.16	.21	---
TOTAL	---	---	---	---	12.19	0.32	0.00	0.00	12.11	34.98	20.70	11.97
MEAN	---	---	---	---	.44	.010	.000	.000	.40	1.13	.67	.40
MAX	---	---	---	---	1.2	.06	.00	.00	1.6	4.1	4.3	1.8
MIN	---	---	---	---	.01	.00	.00	.00	.00	.14	.08	.04
MED	---	---	---	---	.35	.01	.00	.00	.26	.87	.44	.26
AC-FT	---	---	---	---	24	.6	.00	.00	24	69	41	24
CFSM	---	---	---	---	.15	.00	.00	.00	.14	.39	.23	.14
IN.	---	---	---	---	.16	.00	.00	.00	.16	.45	.27	.15

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	.44	.010	.000	.000	.40	1.13	.67	.40
MAX	---	---	---	---	.44	.010	.000	.000	.40	1.13	.67	.40
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	.44	.010	.000	.000	.40	1.13	.67	.40
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999

02301738 ARCHIE CREEK AT 78TH STREET NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.27	.04	.05	.11	.06	e.00	e.00	e.00	.04	.29	.07
2	.24	1.1	.04	.05	.07	.07	.01	e.00	e.00	.02	.07	.05
3	.44	.77	.04	.05	.05	.07	.01	e.00	e.00	.01	.15	.03
4	1.7	.56	.04	.04	.04	.07	e.00	e.00	e.00	.01	.05	.01
5	9.0	.47	.04	.03	.02	.06	.01	e.00	e.00	.01	.01	.67
6	5.2	.43	.05	.04	.02	.05	.01	e.00	e.00	.03	.03	.27
7	4.2	.39	.04	.08	.02	.05	.01	e.00	e.00	.03	.04	2.2
8	4.4	.34	.03	.06	.02	.02	e.00	e.00	e.00	.01	.01	20
9	4.0	.24	.02	.07	.01	.04	.01	e.00	e.00	.01	.48	10
10	3.3	.15	.02	.07	.01	.04	.01	e.00	e.00	.01	.84	5.3
11	2.2	.17	.03	.06	.01	.04	e.00	e.00	e.00	.01	.29	4.2
12	1.6	.33	.03	.04	.02	.05	.01	e.00	e.00	.01	.40	3.3
13	1.5	.21	.03	.04	.02	.03	.01	e.00	.05	.01	1.8	2.8
14	1.2	.11	.11	.03	.03	.01	.01	e.00	.01	.01	.81	2.3
15	.90	.18	.04	.02	.02	.01	e.00	e.00	e.00	.13	1.6	2.0
16	1.3	.32	.04	.02	.01	.01	e.00	e.00	e.00	.10	2.2	2.0
17	1.7	.20	.05	.03	.01	.01	e.00	e.00	e.00	.11	.50	15
18	1.1	.16	.50	.03	.01	e.00	e.00	.01	.01	.07	.21	11
19	1.6	.15	.38	.03	.02	e.00	.00	.01	.01	.01	.11	7.7
20	.83	.15	.16	.03	.02	.01	e.00	e.00	.22	.01	.07	10
21	.85	.08	.10	.03	.02	.01	e.00	e.00	.04	.28	.05	8.8
22	.70	.06	.08	.03	.04	e.00	e.00	e.00	e.00	.52	.07	6.0
23	.49	.10	.08	.03	.08	.01	e.00	e.00	e.00	.01	.07	4.8
24	.36	.07	.10	.06	.12	.01	e.00	e.00	e.00	1.3	.07	4.1
25	.34	.16	.11	.02	.09	e.00	e.00	.01	.01	.53	.03	4.0
26	.60	.14	.07	.02	.01	e.00	e.00	e.00	.08	.39	.14	3.3
27	.38	.11	.07	.01	.02	.02	e.00	e.00	.09	.98	.39	2.8
28	.43	.08	.08	.01	.03	.04	e.00	e.00	.03	.06	.11	2.5
29	.27	.07	.07	.02	.04	e.00	e.00	e.00	.01	.01	.48	2.0
30	.32	.06	.07	.02	---	.01	e.00	e.00	.01	.00	.36	1.7
31	.24	---	.06	.14	---	.01	---	e.00	---	.23	.13	---
TOTAL	51.68	7.63	2.62	1.26	0.99	0.81	0.10	0.03	0.57	4.96	11.86	138.90
MEAN	1.67	.25	.085	.041	.034	.026	.003	.001	.019	.16	.38	4.63
MAX	9.0	1.1	.50	.14	.12	.07	.01	.01	.22	1.3	2.2	20
MIN	.24	.06	.02	.01	.01	.00	.00	.00	.00	.00	.01	.01
MED	.90	.16	.05	.03	.02	.01	.00	.00	.00	.02	.14	3.0
AC-FT	103	15	5.2	2.5	2.0	1.6	.2	.06	1.1	9.8	24	276
CFSM	.57	.09	.03	.01	.01	.01	.00	.00	.01	.06	.13	1.60
IN.	.66	.10	.03	.02	.01	.01	.00	.00	.01	.06	.15	1.78

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	1.67	.25	.085	.041	.034	.026	.003	.001	.019	.16	.38	4.63
MAX	1.67	.25	.085	.041	.034	.026	.003	.001	.019	.16	.38	4.63
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	1.67	.25	.085	.041	.034	.026	.003	.001	.019	.16	.38	4.63
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**	
ANNUAL TOTAL			221.41	
ANNUAL MEAN			.60	
HIGHEST DAILY MEAN	9.0	Oct 5	20	Sep 8
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 22	.00	Apr 15
MAXIMUM PEAK FLOW			29	Sep 8
MAXIMUM PEAK STAGE			20.21	Sep 8
ANNUAL RUNOFF (AC-FT)			439	
ANNUAL RUNOFF (CFSM)			.21	
ANNUAL RUNOFF (INCHES)			2.84	
10 PERCENT EXCEEDS	1.1		1.6	
50 PERCENT EXCEEDS	.14		.04	
90 PERCENT EXCEEDS	.00		.00	

02301738 ARCHIE CREEK AT 78TH STREET NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	.13	.01	.04	.16	.01	5.1	.01	.00	2.7	8.6	1.1
2	1.2	.09	.01	.03	.18	.00	3.9	.01	.00	1.3	9.3	.97
3	1.3	.05	.01	.03	.21	.01	3.2	.01	.00	.46	14	.96
4	1.2	.20	.00	.03	.15	.47	2.8	.01	.00	1.3	11	.89
5	1.0	.06	.00	.02	.18	.45	2.4	.00	.00	3.9	8.4	.83
6	2.3	.02	.00	.03	.09	.20	2.2	.00	.00	3.4	7.2	.88
7	5.8	.01	.00	.02	.05	.09	1.8	.00	.08	2.0	9.5	1.6
8	4.4	.01	.00	.17	.04	.05	1.5	.00	.01	1.7	11	1.5
9	3.4	.01	.00	.15	.03	.04	1.2	.00	.00	1.5	7.6	3.5
10	2.6	.02	.00	.07	.03	.04	1.0	.00	.00	2.3	6.5	3.4
11	1.7	.02	.01	.06	.04	.03	.83	.00	.01	13	5.4	2.5
12	2.0	.01	.04	.07	.05	.02	.68	.00	.01	13	4.6	2.3
13	2.0	.01	.38	.06	.04	.03	.52	.00	.01	11	4.1	3.2
14	1.5	.76	.05	.04	.06	.03	.42	.00	.02	17	3.8	50
15	1.3	.21	.05	.04	.06	.02	.35	.00	.02	12	3.9	112
16	1.0	.09	.18	.05	.05	.02	.28	.00	.00	8.0	4.1	86
17	.78	.04	1.1	.06	.07	.01	.20	.00	.01	14	3.8	47
18	.58	.05	.86	.08	.06	.01	.14	.00	.01	9.4	3.3	21
19	.40	.02	2.4	.09	.05	.13	.12	.00	.02	6.6	3.2	12
20	.94	.01	2.1	.12	.04	.15	.09	.00	.01	5.5	2.9	11
21	1.4	.01	.93	.09	.06	.11	.07	e.00	.00	18	2.7	9.4
22	.77	.59	.05	.06	.04	.06	.05	e.00	.01	36	2.5	8.0
23	.69	.50	.02	.04	.04	.05	.04	.34	.04	25	2.2	7.7
24	.67	.04	.02	.06	.03	.02	.04	.16	.00	19	2.0	7.5
25	.48	.03	.03	.07	.04	.02	.03	.00	.00	13	1.8	8.4
26	.34	.22	.03	.11	.03	.01	.03	.00	.00	19	1.6	6.8
27	.24	.26	.02	.08	.01	.01	.02	.00	.00	18	1.4	6.6
28	.14	.07	.06	.08	.01	.01	.01	.00	1.4	12	1.3	5.3
29	.12	.82	.05	.08	---	3.6	.01	.00	2.9	8.0	1.2	4.7
30	.31	.01	.05	.09	---	12	.01	.00	2.8	6.3	1.1	4.0
31	.14	---	.04	.12	---	6.1	---	.00	---	6.2	1.1	---
TOTAL	42.20	4.37	8.50	2.14	1.90	23.80	29.04	0.54	7.36	310.56	151.1	431.03
MEAN	1.36	.15	.27	.069	.068	.77	.97	.017	.25	10.0	4.87	14.4
MAX	5.8	.82	2.4	.17	.21	12	5.1	.34	2.9	36	14	112
MIN	.12	.01	.00	.02	.01	.00	.01	.00	.00	.46	1.1	.83
MED	1.0	.05	.03	.06	.05	.03	.31	.00	.01	8.0	3.8	5.0
AC-FT	84	8.7	17	4.2	3.8	47	58	1.1	15	616	300	855
CFSM	.47	.05	.09	.02	.02	.26	.33	.01	.08	3.45	1.68	4.95
IN.	.54	.06	.11	.03	.02	.31	.37	.01	.09	3.98	1.94	5.53

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	1.51	.20	.18	.055	.051	.40	.49	.009	.13	5.09	2.63	9.50
MAX	1.67	.25	.27	.069	.068	.77	.97	.017	.25	10.0	4.87	14.4
(WY)	2000	2000	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	1.36	.15	.085	.041	.034	.026	.003	.001	.019	.16	.38	4.63
(WY)	2001	2001	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 2000 - 2001**	
ANNUAL TOTAL	214.55		1012.54			
ANNUAL MEAN	.59		2.77		1.69	
HIGHEST ANNUAL MEAN					2.77	2001
LOWEST ANNUAL MEAN					.60	2000
HIGHEST DAILY MEAN	20	Sep 8	112	Sep 15	112	Sep 15 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 15	.00	Dec 4	.00	Apr 15 2000
MAXIMUM PEAK FLOW			119	Sep 15	119	Sep 15 2001
MAXIMUM PEAK STAGE			23.84	Sep 15	23.84	Sep 15 2001
ANNUAL RUNOFF (AC-FT)	426		2010		1220	
ANNUAL RUNOFF (CFSM)	.20		.96		.58	
ANNUAL RUNOFF (INCHES)	2.75		12.99		7.91	
10 PERCENT EXCEEDS	1.6		7.6		4.0	
50 PERCENT EXCEEDS	.03		.09		.06	
90 PERCENT EXCEEDS	.00		.00		.00	

TAMPA BAY AND COASTAL AREAS

02301740 NORTH ARCHIE CREEK AT PROGRESS BOULEVARD NEAR TAMPA, FL

LOCATION.--Lat 27°53'47", long 82°22'00", in SW ¼ sec.6, T.30 S., R.20 E., Hillsborough County, Hydrologic Unit 03100206, on left wingwall on upstream side of box culverts on Progress Boulevard, 0.2 mi northwest of Interstate 75, and 7.5 mi southeast of Tampa.
DRAINAGE AREA.--6.09 mi^2.
PERIOD OF RECORD.--February 1999 to current year.
GAGE.--Water-stage recorder and tipping bucket raingage. Datum of gage is 10.72 ft above National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, PERIOD FEBRUARY TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	1.0	.25	.10	.00	.19	1.9	1.7	1.9
2	---	---	---	---	1.1	.15	.13	.00	.57	2.3	1.8	1.9
3	---	---	---	---	1.2	.20	.11	.00	.00	5.8	1.9	1.7
4	---	---	---	---	1.1	.23	.10	.00	.02	5.0	4.5	1.6
5	---	---	---	---	1.1	.17	.09	.00	.32	3.4	12	1.5
6	---	---	---	---	.83	.17	.07	.00	.05	2.5	8.0	1.5
7	---	---	---	---	.67	.15	.02	.00	.00	2.1	5.4	1.6
8	---	---	---	---	.77	.13	.02	.00	.00	1.9	3.3	1.6
9	---	---	---	---	.86	.10	.73	.00	.89	3.2	2.8	1.5
10	---	---	---	---	.67	.14	.55	.00	.19	3.7	2.5	1.4
11	---	---	---	---	.53	.10	.00	.00	.13	2.8	2.2	1.4
12	---	---	---	---	.43	.10	.32	.13	.04	2.3	2.1	1.5
13	---	---	---	---	.35	.12	.04	1.1	.01	2.1	2.2	1.6
14	---	---	---	---	.33	.32	.01	1.1	.00	2.0	2.0	1.9
15	---	---	---	---	.28	.47	.03	.44	2.8	5.2	32	1.7
16	---	---	---	---	.34	.67	.02	.20	4.4	13	19	1.2
17	---	---	---	---	.28	.52	.11	.08	7.2	6.5	11	1.1
18	---	---	---	---	.30	.41	.03	.04	9.8	4.2	7.6	1.7
19	---	---	---	---	.28	.34	.02	.03	7.8	2.9	5.2	4.0
20	---	---	---	---	.28	.37	.00	.01	7.6	2.3	5.8	8.6
21	---	---	---	---	.28	.31	.00	.00	4.4	2.1	6.4	6.8
22	---	---	---	---	.28	.25	.00	.06	2.7	2.1	8.3	4.7
23	---	---	---	---	.35	.27	.00	.13	2.4	2.0	6.2	3.8
24	---	---	---	---	.41	.28	.00	.03	2.3	1.9	4.5	3.2
25	---	---	---	---	.35	.27	.00	.02	2.3	1.8	3.5	2.7
26	---	---	---	---	.33	.27	.03	.01	2.2	1.7	2.9	2.4
27	---	---	---	---	.25	.24	.00	.01	2.1	1.9	2.9	2.2
28	---	---	---	---	.13	.20	.00	.00	2.0	2.1	2.5	2.0
29	---	---	---	---	---	.17	.01	.00	1.9	2.3	2.2	1.7
30	---	---	---	---	---	.13	.00	.00	1.9	2.2	2.0	1.5
31	---	---	---	---	---	.12	---	.00	---	1.9	1.9	---
TOTAL	---	---	---	---	15.08	7.62	2.54	3.39	66.21	97.1	176.3	71.9
MEAN	---	---	---	---	.54	.25	.085	.11	2.21	3.13	5.69	2.40
MAX	---	---	---	---	1.2	.67	.73	1.1	9.8	13	32	8.6
MIN	---	---	---	---	.13	.10	.00	.00	.00	1.7	1.7	1.1
MED	---	---	---	---	.35	.23	.02	.00	1.9	2.3	3.3	1.7
AC-FT	---	---	---	---	30	15	5.0	6.7	131	193	350	143
CFSM	---	---	---	---	.09	.04	.01	.02	.36	.51	.93	.39
IN.	---	---	---	---	.09	.05	.02	.02	.40	.59	1.08	.44
*PREC	---	---	---	---	0.45	0.13	0.18	1.57	9.17	5.14	5.61	4.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	.54	.25	.085	.11	2.21	3.13	5.69	2.40
MAX	---	---	---	---	.54	.25	.085	.11	2.21	3.13	5.69	2.40
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	.54	.25	.085	.11	2.21	3.13	5.69	2.40
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999

*PRECIPITATION, TOTAL, INCHES

02301740 NORTH ARCHIE CREEK AT PROGRESS BOULEVARD NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.2	.21	.23	.33	.01	.00	.00	.00	3.5	.91	.93
2	1.6	3.0	.17	.21	.49	.01	.00	.00	.00	5.9	.54	.53
3	1.8	2.4	.14	.17	.51	.00	.00	.00	.00	2.5	.43	.31
4	4.3	1.9	.13	.15	.41	.00	.00	.00	.00	1.8	.33	.17
5	28	1.6	.10	.13	.30	.00	.00	.00	.00	4.9	.24	.16
6	18	1.5	.13	.10	.22	.00	.00	.00	.00	3.0	.24	.13
7	13	1.4	.16	.12	.17	.00	.00	.00	.00	2.1	.22	24
8	10	1.3	.13	.10	.17	.00	.00	.00	.00	1.4	.13	59
9	8.3	1.2	.10	.10	.13	.00	.00	.00	.00	1.1	.20	25
10	6.7	1.1	.08	.13	.10	.00	.00	.00	.00	.76	.71	17
11	5.5	1.1	.09	.17	.10	.00	.00	.00	.00	.38	.24	13
12	4.6	1.0	.07	.17	.10	.00	.00	.00	.00	.25	.80	9.7
13	4.2	1.0	.07	.16	.07	.00	.00	.00	.16	.17	3.7	7.2
14	3.4	1.0	.22	.12	.07	.00	.00	.00	.00	.10	2.2	5.3
15	2.9	1.0	.17	.10	.12	.00	.00	.00	.00	.17	4.0	4.1
16	3.0	.84	.19	.09	.10	.00	.00	.00	.00	.28	10	3.2
17	3.1	.67	.21	.07	.10	.00	.00	.00	.00	.22	5.6	32
18	2.8	.56	.82	.07	.09	.00	.00	.00	.00	.14	3.3	20
19	2.5	.50	1.1	.05	.06	.00	.00	.00	.00	.10	2.1	15
20	2.3	.38	1.0	.07	.04	.00	.00	.00	.71	.06	1.7	19
21	2.4	.33	.80	.06	.04	.00	.00	.00	.10	.29	1.5	17
22	2.0	.28	.67	.09	.04	.00	.00	.00	.00	.45	2.3	14
23	1.9	.28	.66	.08	.03	.00	.00	.00	.00	.26	2.0	11
24	1.6	.28	.51	.15	.02	.00	.00	.00	.00	3.1	.66	9.0
25	1.5	.36	.43	.12	.02	.00	.00	.00	.00	5.3	.36	7.3
26	1.4	.70	.35	.11	.02	.00	.00	.00	.73	3.1	1.0	6.0
27	1.3	.84	.28	.12	.02	.00	.00	.00	4.4	2.4	4.3	4.7
28	1.2	.52	.30	.12	.02	.00	.00	.00	5.5	1.9	1.7	3.8
29	1.1	.34	.28	.12	.01	.00	.00	.00	2.1	1.6	2.0	3.1
30	1.1	.27	.28	.10	---	.00	.00	.00	1.1	1.3	2.9	2.5
31	1.1	---	.27	.26	---	.00	---	.00	---	1.2	1.7	---
TOTAL	144.4	28.85	10.12	3.84	3.90	0.02	0.00	0.00	14.80	49.73	58.01	334.13
MEAN	4.66	.96	.33	.12	.13	.001	.000	.000	.49	1.60	1.87	11.1
MAX	28	3.0	1.1	.26	.51	.01	.00	.00	5.5	5.9	10	59
MIN	1.1	.27	.07	.05	.01	.00	.00	.00	.00	.06	.13	.13
MED	2.5	.92	.21	.12	.10	.00	.00	.00	.00	1.2	1.5	7.2
AC-FT	286	57	20	7.6	7.7	.04	.00	.00	29	99	115	663
CFSM	.76	.16	.05	.02	.02	.00	.00	.00	.08	.26	.31	1.83
IN.	.88	.18	.06	.02	.02	.00	.00	.00	.09	.30	.35	2.04
*PREC	4.72	1.54	1.64	0.98	0.43	0.85	0.55	0.00	7.22	6.38	5.83	8.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	4.66	.96	.33	.12	.13	.001	.000	.000	.49	1.60	1.87	11.1
MAX	4.66	.96	.33	.12	.13	.001	.000	.000	.49	1.60	1.87	11.1
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	4.66	.96	.33	.12	.13	.001	.000	.000	.49	1.60	1.87	11.1
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**	
ANNUAL TOTAL			647.80	
ANNUAL MEAN			1.77	
HIGHEST DAILY MEAN	32	Aug 15	59	Sep 8
LOWEST DAILY MEAN	.00	Many Day	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 30	.00	Mar 3
MAXIMUM PEAK FLOW			168	Sep 7
MAXIMUM PEAK STAGE			18.34	Sep 7
ANNUAL RUNOFF (AC-FT)			1280	
ANNUAL RUNOFF (CFSM)			.29	
ANNUAL RUNOFF (INCHES)			3.96	
10 PERCENT EXCEEDS	4.5		4.2	
50 PERCENT EXCEEDS	.83		.17	
90 PERCENT EXCEEDS	.01		.00	

*PRECIPITATION, TOTAL, INCHES

02301740 NORTH ARCHIE CREEK AT PROGRESS BOULEVARD NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	.07	.14	.10	.10	.00	6.9	.00	.07	5.4	18	2.9
2	1.8	.03	.17	.10	.16	.00	5.2	.00	.00	3.4	21	2.8
3	1.5	.03	.14	.04	.20	.00	4.3	.00	.00	2.3	32	2.7
4	1.4	.03	.17	.03	.28	.76	3.6	.00	.29	2.5	20	2.6
5	1.1	.04	.17	.02	.16	1.2	3.1	.00	.04	5.5	15	2.5
6	5.0	.01	.17	.02	.18	.92	2.7	.00	.00	4.2	12	2.6
7	5.8	.00	.17	.02	.14	.34	2.3	.00	.00	2.7	15	3.4
8	3.2	.00	.17	.31	.03	.13	2.1	.00	.00	2.1	20	8.3
9	2.4	.00	.17	.65	.02	.06	1.9	.00	.00	2.2	16	37
10	1.9	.01	.17	.31	.02	.03	1.8	.00	.00	3.0	17	22
11	1.7	.02	.17	.17	.01	.01	1.7	.00	.00	15	26	14
12	1.5	.02	.18	.15	.00	.00	1.6	.00	.00	12	15	11
13	1.4	.00	.24	.16	.00	.00	1.5	.00	.00	10	11	9.8
14	1.3	.31	.17	.10	.00	.07	1.4	.00	.00	13	9.0	191
15	1.2	.24	.17	.10	.01	.08	1.3	.00	.00	8.8	14	245
16	.99	.10	.15	.07	.01	.01	1.2	.00	.00	11	22	108
17	.82	.10	.10	.06	.01	.00	1.2	.00	.00	43	26	36
18	.76	.11	.10	.04	.00	.00	.89	.00	.00	18	15	17
19	.64	.05	.10	.04	.01	.13	.62	.00	.00	12	12	12
20	.57	.03	.10	.09	.01	.11	.32	.00	.00	8.4	9.5	8.1
21	.48	.98	.10	.10	.00	.19	.17	.00	.09	80	7.7	6.1
22	.36	.07	.10	.10	.00	.15	.07	.00	.00	92	6.6	4.9
23	.21	.02	.10	.10	.00	.07	.05	.00	1.2	45	5.7	4.9
24	.14	.02	.10	.10	.00	.03	.03	.00	1.8	35	5.1	4.9
25	.14	.05	.10	.10	.00	.01	.01	.00	1.5	27	4.5	6.9
26	.14	.82	.10	.10	.00	.00	.00	.00	.93	29	4.1	5.6
27	.14	1.2	.10	.09	.00	.00	.01	.00	.24	21	3.7	4.9
28	.15	.65	.15	.09	.00	.00	.00	.00	1.1	17	3.5	4.5
29	.15	.30	.23	.12	---	5.1	.00	.00	6.4	13	3.3	4.2
30	.12	.17	.16	.17	---	20	.00	.00	11	10	3.1	3.5
31	.10	---	.10	.13	---	9.9	---	.00	---	10	3.0	---
TOTAL	39.21	5.48	4.46	3.78	1.35	39.30	45.97	0.00	24.66	563.5	395.8	789.1
MEAN	1.26	.18	.14	.12	.048	1.27	1.53	.000	.82	18.2	12.8	26.3
MAX	5.8	1.2	.24	.65	.28	20	6.9	.00	11	92	32	245
MIN	.10	.00	.10	.02	.00	.00	.00	.00	.00	2.1	3.0	2.5
MED	.99	.05	.15	.10	.01	.06	1.2	.00	.00	11	12	5.8
AC-FT	78	11	8.8	7.5	2.7	78	91	.00	49	1120	785	1570
CFSM	.21	.03	.02	.02	.01	.21	.25	.00	.13	2.98	2.10	4.32
IN.	.24	.03	.03	.02	.01	.24	.28	.00	.15	3.44	2.42	4.82
*PREC	1.71	1.90	0.46	0.77	0.14	6.68	0.00	0.00	5.57	13.03	4.22	10.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	2.96	.57	.24	.12	.092	.63	.77	.000	.66	9.89	7.32	18.7
MAX	4.66	.96	.33	.12	.13	1.27	1.53	.000	.82	18.2	12.8	26.3
(WY)	2000	2000	2000	2000	2000	2001	2001	2000	2001	2001	2001	2001
MIN	1.26	.18	.14	.12	.048	.001	.000	.000	.49	1.60	1.87	11.1
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 2000 - 2001**	
ANNUAL TOTAL	513.58		1912.61			
ANNUAL MEAN	1.40		5.24		3.50	
HIGHEST ANNUAL MEAN					5.24	2001
LOWEST ANNUAL MEAN					1.77	2000
HIGHEST DAILY MEAN	59	Sep 8	245	Sep 15	245	Sep 15 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 3	.00	Feb 21	.00	Mar 3 2000
MAXIMUM PEAK FLOW			320	Sep 14	320	Sep 14 2001
MAXIMUM PEAK STAGE			19.52	Sep 14	19.52	Sep 14 2001
ANNUAL RUNOFF (AC-FT)	1020		3790		2540	
ANNUAL RUNOFF (CFSM)	.23		.86		.58	
ANNUAL RUNOFF (INCHES)	3.14		11.68		7.81	
10 PERCENT EXCEEDS	3.2		13		8.7	
50 PERCENT EXCEEDS	.10		.17		.17	
90 PERCENT EXCEEDS	.00		.00		.00	

*PRECIPITATION, TOTAL, INCHES

02301745 DELANEY CREEK POPOFF CANAL NEAR TAMPA, FL

LOCATION.--Lat 27°54'07", long 82°22'38", in NE ¼ sec.2, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on left bank at dead end of 51st Street, 350 ft upstream from Madison Avenue, and 5.9 mi southeast of Tampa.
DRAINAGE AREA.--2.00 mi^2.
PERIOD OF RECORD.--February 1999 to current year.
GAGE.--Water-stage recorder and tipping bucket raingage. Datum of gage is 2.07 ft below National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, PERIOD FEBRUARY TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	.38	.09	.00	.00	1.2	.70	2.3
2	---	---	---	---	---	.33	.11	.00	.00	4.4	.85	4.6
3	---	---	---	---	---	.28	.07	.00	.00	14	.68	2.8
4	---	---	---	---	---	.28	.07	.00	.00	5.5	16	1.4
5	---	---	---	---	---	.26	.03	.00	.00	3.5	70	.52
6	---	---	---	---	---	.23	.01	.00	.00	2.4	6.4	.43
7	---	---	---	---	---	.22	.00	.00	.00	1.9	2.3	.94
8	---	---	---	---	.62	.20	.00	.00	.00	1.8	1.3	.83
9	---	---	---	---	.64	.18	.00	.00	.24	3.5	1.7	.56
10	---	---	---	---	.62	.17	.00	.00	4.0	7.5	2.3	.70
11	---	---	---	---	.57	.16	.00	.37	.66	3.9	3.1	1.3
12	---	---	---	---	.67	.14	.00	.07	.22	3.0	5.2	2.9
13	---	---	---	---	.71	.14	.00	.73	.16	2.7	5.7	2.0
14	---	---	---	---	.46	.43	.00	.25	.11	2.8	6.0	2.2
15	---	---	---	---	.40	1.7	.00	.00	3.6	4.0	24	2.6
16	---	---	---	---	.39	.96	.00	.00	15	16	6.1	3.2
17	---	---	---	---	.36	.57	.01	.00	14	6.0	4.0	2.2
18	---	---	---	---	.37	.45	.13	.00	12	3.4	7.4	1.4
19	---	---	---	---	.35	.37	.08	.00	4.4	2.3	4.3	5.0
20	---	---	---	---	.31	.45	.00	.00	3.0	1.7	3.3	7.3
21	---	---	---	---	.31	.57	.02	.00	2.0	1.3	7.2	5.7
22	---	---	---	---	.31	.35	.00	.00	1.7	.97	8.5	3.3
23	---	---	---	---	.28	.25	.00	.00	7.1	.95	8.8	2.9
24	---	---	---	---	.26	.21	.00	.14	3.0	.84	5.8	2.3
25	---	---	---	---	.26	.18	.00	.08	2.1	.62	4.4	1.2
26	---	---	---	---	.25	.17	.00	.00	2.6	.55	3.7	.80
27	---	---	---	---	.26	.16	.00	.00	2.6	.50	2.1	.74
28	---	---	---	---	.27	.13	.00	.00	1.8	.43	2.0	1.3
29	---	---	---	---	---	.11	.00	.00	1.2	.33	.88	1.0
30	---	---	---	---	---	.08	.00	.00	.93	.48	.83	.70
31	---	---	---	---	---	.08	---	.00	---	1.7	3.0	---
TOTAL	---	---	---	---	8.67	10.19	0.62	1.64	82.42	100.17	218.54	65.12
MEAN	---	---	---	---	.41	.33	.021	.053	2.75	3.23	7.05	2.17
MAX	---	---	---	---	.71	1.7	.13	.73	15	16	70	7.3
MIN	---	---	---	---	.25	.08	.00	.00	.00	.33	.68	.43
MED	---	---	---	---	.36	.23	.00	.00	1.5	2.3	4.0	1.7
AC-FT	---	---	---	---	17	20	1.2	3.3	163	199	433	129
CFSM	---	---	---	---	.21	.16	.01	.03	1.37	1.62	3.52	1.09
IN.	---	---	---	---	.16	.19	.01	.03	1.53	1.86	4.06	1.21
*PREC	---	---	---	---	0.27	0.69	0.91	1.90	9.84	6.07	7.00	4.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	.33	.021	.053	2.75	3.23	7.05	2.17
MAX	---	---	---	---	---	.33	.021	.053	2.75	3.23	7.05	2.17
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	.33	.021	.053	2.75	3.23	7.05	2.17
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999

*PRECIPITATION, TOTAL, INCHES

02301745 DELANEY CREEK POPOFF CANAL NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.24	.36	.17	.55	.21	.13	.00	.00	2.6	1.6	.35
2	.45	.87	.34	.15	.27	.23	.06	.00	.00	5.8	.71	.25
3	1.2	.36	.32	.17	.21	.22	.01	.00	.00	2.0	.48	.20
4	3.8	.23	.28	.18	.20	.23	.00	.00	.00	1.2	.36	.19
5	23	.20	.24	.13	.18	.21	.02	.00	.00	4.3	.25	4.0
6	6.3	.16	.24	.15	.15	.24	.00	.00	.00	2.8	.20	4.7
7	2.0	.14	.24	.30	.15	.23	.00	.00	.00	2.9	.17	32
8	1.3	.13	.21	.23	.13	.22	.00	.00	.19	1.3	.13	90
9	1.2	.14	.20	.21	.11	.23	.00	.00	.18	.79	.33	10
10	.79	.12	.20	.29	.09	.22	.00	.00	.00	.55	.89	4.6
11	.64	.12	.19	.38	.09	.22	.00	.00	.00	.39	.35	3.1
12	1.1	.12	.18	.24	.09	.20	.00	.00	.00	.26	1.9	2.3
13	1.3	.11	.18	.21	.10	.20	.00	.00	.02	.21	6.3	1.7
14	1.0	.17	.53	.15	.15	.20	.04	.00	1.1	.18	2.7	1.4
15	.92	.23	.36	.14	.22	.21	.11	.00	.19	.35	3.4	1.2
16	.97	.18	.26	.12	.17	.23	.03	.00	.00	.94	4.5	1.1
17	1.5	.15	.26	.11	.13	.24	.00	.00	.00	.56	1.9	49
18	.92	.14	.66	.10	.12	.25	.00	.00	.00	.33	.95	16
19	.82	.13	.74	.10	.11	.20	.00	.00	.00	.25	.64	6.7
20	.57	.12	.41	.11	.13	.27	.00	.00	.08	.17	.48	16
21	.53	.13	.35	.08	.12	.21	.00	.00	2.2	.59	.39	e8.0
22	.46	.12	.28	.07	.12	.16	.00	.00	.35	2.4	.36	e5.8
23	.38	.12	.26	.08	.13	.11	.00	.00	.05	.80	.33	e4.0
24	.23	.17	.25	.20	.14	.11	.00	.00	.00	4.5	.31	e2.9
25	.18	.52	.23	.24	.13	.11	.00	.00	.02	5.1	.27	e2.0
26	.23	.53	.21	.16	.14	.08	.00	.00	1.1	1.9	.30	1.5
27	.39	.28	.16	.12	.16	.34	.00	.00	3.5	2.1	.68	1.2
28	.26	.22	.18	.11	.22	.63	.00	.00	4.8	1.0	.48	1.0
29	.30	.21	.17	.12	.22	.45	.00	.00	1.6	.58	.47	.87
30	.35	.36	.16	.11	---	.24	.00	.00	.94	.48	1.0	.76
31	.28	---	.17	.27	---	.18	---	.00	---	.71	.65	---
TOTAL	53.93	6.72	8.82	5.20	4.73	7.08	0.40	0.00	16.32	48.04	33.48	272.82
MEAN	1.74	.22	.28	.17	.16	.23	.013	.000	.54	1.55	1.08	9.09
MAX	23	.87	.74	.38	.55	.63	.13	.00	4.8	5.8	6.3	90
MIN	.18	.11	.16	.07	.09	.08	.00	.00	.00	.17	.13	.19
MED	.79	.16	.24	.15	.14	.22	.00	.00	.01	.80	.48	2.6
AC-FT	107	13	17	10	9.4	14	.8	.00	32	95	66	541
CFSM	.87	.11	.14	.08	.08	.11	.01	.00	.27	.77	.54	4.55
IN.	1.00	.12	.16	.10	.09	.13	.01	.00	.30	.89	.62	5.07
*PREC	3.20	1.73	1.61	1.95	0.48	0.96	0.40	0.00	7.92	6.89	4.80	8.63

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	1.74	.22	.28	.17	.16	.23	.013	.000	.54	1.55	1.08	9.09
MAX	1.74	.22	.28	.17	.16	.23	.013	.000	.54	1.55	1.08	9.09
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	1.74	.22	.28	.17	.16	.23	.013	.000	.54	1.55	1.08	9.09
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**	
ANNUAL TOTAL			457.54	
ANNUAL MEAN			1.25	
HIGHEST DAILY MEAN	70	Aug 5	90	Sep 8
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 7	.00	Apr 6
MAXIMUM PEAK FLOW			277	Sep 7
MAXIMUM PEAK STAGE			11.43	Sep 7
ANNUAL RUNOFF (AC-FT)			908	
ANNUAL RUNOFF (CFSM)			.63	
ANNUAL RUNOFF (INCHES)			8.51	
10 PERCENT EXCEEDS	4.1		2.0	
50 PERCENT EXCEEDS	.36		.21	
90 PERCENT EXCEEDS	.00		.00	

*PRECIPITATION, TOTAL, INCHES

02301745 DELANEY CREEK POPOFF CANAL NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.71	.26	.40	.35	.44	.30	2.5	.05	.00	6.4	7.2	1.2
2	.65	.26	.39	.44	.48	.30	1.4	.05	.30	4.4	15	.96
3	.63	.25	.39	.67	.57	.27	.90	.05	.20	2.9	25	.85
4	.59	.26	.37	.44	.80	2.3	.67	.06	.03	7.0	9.0	.74
5	.55	.27	.28	.43	.55	1.3	.54	.19	1.0	11	5.9	.91
6	2.2	.26	.45	.44	.43	.40	.43	.04	.42	5.9	4.6	1.2
7	4.1	.26	.46	.40	.36	.35	.35	.01	.46	3.7	6.2	1.3
8	1.8	.25	.56	2.1	.35	.32	.29	.00	.35	3.1	11	1.6
9	1.1	.25	.38	1.9	.34	.33	.25	.01	.06	5.8	6.3	8.4
10	.84	.28	.36	.66	.30	.34	.22	.00	.00	5.1	7.7	7.8
11	.71	.26	.36	.46	.29	.34	.20	.00	.00	12	5.5	3.9
12	.60	.25	.39	.40	.30	.31	.18	.00	.00	9.5	4.2	2.7
13	.52	.26	.41	.38	.28	.33	.17	.00	.00	7.8	3.4	2.8
14	.47	.41	.34	.38	.27	.37	.15	.00	.00	12	3.1	168
15	.43	.44	.35	.38	.26	.35	.14	.00	.00	8.3	3.1	172
16	.42	.47	.35	.40	.26	.33	.13	.00	.00	4.8	4.3	21
17	.41	.37	.30	.41	.26	.35	.13	.00	.00	25	7.5	7.4
18	.39	.37	.29	.40	.29	.34	.12	.00	.00	4.6	4.5	4.4
19	.36	.34	.31	.47	.32	.83	.11	.00	.00	2.1	4.4	2.9
20	.35	.34	.37	1.4	.31	1.6	.11	.00	.23	1.4	2.9	2.1
21	.35	.48	.33	1.8	.31	.53	.09	.00	.33	54	3.4	1.6
22	.34	.49	.34	1.1	.33	.36	.08	.00	.40	31	3.6	1.3
23	.31	.41	.34	.63	.31	.28	.09	.00	3.2	34	2.2	2.5
24	.30	.37	.33	.45	.30	.26	.08	.00	3.5	29	1.6	1.6
25	.29	.41	.33	.38	.27	.26	.07	.00	2.0	7.8	2.0	3.7
26	.30	.91	.33	.36	.27	.25	.09	.00	.98	52	2.1	1.6
27	.29	1.3	.33	.70	.27	.25	.07	.00	.59	128	1.4	1.7
28	.29	.74	.50	.75	.27	.23	.05	.00	3.0	28	1.9	1.4
29	.28	.50	.77	.54	---	6.1	.04	.00	8.1	7.1	1.8	1.1
30	.28	.50	.48	.48	---	23	.04	.00	6.4	5.1	1.5	.85
31	.27	---	.39	.43	---	4.1	---	.00	---	4.8	1.2	---
TOTAL	21.13	12.22	11.98	20.53	9.79	46.98	9.69	0.46	31.55	523.6	163.5	429.51
MEAN	.68	.41	.39	.66	.35	1.52	.32	.015	1.05	16.9	5.27	14.3
MAX	4.1	1.3	.77	2.1	.80	23	2.5	.19	8.1	128	25	172
MIN	.27	.25	.28	.35	.26	.23	.04	.00	.00	1.4	1.2	.74
MED	.42	.36	.36	.44	.31	.34	.13	.00	.27	7.1	4.2	1.7
AC-FT	42	24	24	41	19	93	19	.9	63	1040	324	852
CFSM	.34	.20	.19	.33	.17	.76	.16	.01	.53	8.45	2.64	7.16
IN.	.39	.23	.22	.38	.18	.87	.18	.01	.59	9.74	3.04	7.99
*PREC	0.66	1.56	0.54	0.91	0.54	6.26	0.02	0.02	7.83	12.65	2.33	11.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	1.21	.32	.34	.41	.25	.87	.17	.007	.80	9.22	3.18	11.7
MAX	1.74	.41	.39	.66	.35	1.52	.32	.015	1.05	16.9	5.27	14.3
(WY)	2000	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	.68	.22	.28	.17	.16	.23	.013	.000	.54	1.55	1.08	9.09
(WY)	2001	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 2000 - 2001**	
ANNUAL TOTAL	433.40		1280.94			
ANNUAL MEAN	1.18		3.51		2.38	
HIGHEST ANNUAL MEAN					3.51	2001
LOWEST ANNUAL MEAN					1.25	2000
HIGHEST DAILY MEAN	90	Sep 8	172	Sep 15	172	Sep 15 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 6	.00	May 10	.00	Apr 6 2000
MAXIMUM PEAK FLOW			359	Sep 14	359	Sep 14 2001
MAXIMUM PEAK STAGE			13.27	Sep 14	13.27	Sep 14 2001
ANNUAL RUNOFF (AC-FT)	860		2540		1720	
ANNUAL RUNOFF (CFSM)	.59		1.75		1.19	
ANNUAL RUNOFF (INCHES)	8.06		23.83		16.16	
10 PERCENT EXCEEDS	1.9		6.1		4.2	
50 PERCENT EXCEEDS	.26		.40		.33	
90 PERCENT EXCEEDS	.00		.02		.00	

*PRECIPITATION, TOTAL, INCHES

02301750 DELANEY CREEK NEAR TAMPA, FL

LOCATION.--Lat 27°55'32", long 82°21'52", in SW ¼ sec.25, T.29 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on left bank at south end of Darlington Street, 1.8 mi south of intersection State Highway 60 and U. S. Highway 301, near southeastern city limits of Tampa.
DRAINAGE AREA.--16.1 mi^2.
PERIOD OF RECORD.--October 1984 to current year.
GAGE.--Water-stage recorder. Datum of gage is 10.72 ft above National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	e.38	e.87	1.0	.47	.07	29	.01	.19	48	22	3.0
2	4.2	e.33	e.87	e1.0	.58	.04	15	.01	.03	33	34	2.5
3	3.7	e.26	e.83	e1.2	.65	.04	12	.37	.00	22	57	2.0
4	e3.7	e.28	e.83	e3.5	1.3	4.4	8.9	.10	.20	14	47	1.6
5	e3.6	e.28	e.78	e3.1	1.1	6.0	6.2	.04	.11	10	36	.96
6	e4.7	e.22	e.78	e2.8	.55	3.2	4.6	.02	1.6	8.9	28	7.3
7	e4.1	e.33	e.74	e2.6	.71	2.0	3.6	.01	.76	7.0	26	35
8	e3.9	e.41	e.83	e10	.61	1.1	2.8	.01	.25	5.2	24	33
9	e3.4	e.48	e.83	e14	.54	.94	2.3	.02	.06	6.9	23	49
10	e3.1	e.36	e.83	e9.4	.50	1.0	1.9	.04	.01	6.8	22	58
11	e3.5	e.33	e.83	e6.7	.46	.91	1.6	.07	.00	12	38	43
12	e2.9	e.22	e1.2	e5.0	.48	.83	1.4	.06	.00	17	33	25
13	e3.1	e.18	e.78	e4.1	.46	.77	1.2	.06	.00	16	24	16
14	e1.6	e.41	e1.1	e3.5	.41	.72	1.1	.05	.00	16	17	223
15	1.3	e.36	1.0	e2.9	.37	.66	1.0	.06	.00	11	22	346
16	e.92	e.22	e2.0	e2.6	.32	.62	.90	.05	.00	9.2	46	174
17	e.87	.16	e.93	e2.7	.27	.50	.75	.03	.00	22	42	98
18	e.70	.15	e.93	e1.8	.22	.42	.66	.03	.00	27	38	75
19	e.70	e.15	e.87	e1.5	.17	3.2	.51	.03	.34	20	37	65
20	e.83	e.15	e.73	e1.3	.14	7.7	.45	.04	.00	16	32	60
21	e.79	e.07	e.72	e1.2	.24	4.2	.36	.04	.00	30	28	57
22	e.54	e.08	e.75	e.97	.12	2.6	.30	.04	2.8	73	25	57
23	e.79	e.07	e.81	e.74	.10	1.6	.21	.02	5.0	72	19	64
24	e.70	e.10	e.84	e.70	.07	1.1	.14	.01	6.1	67	15	54
25	e.70	e.11	e.83	e.58	.05	.84	.18	.00	6.5	53	13	62
26	e.41	e1.2	e.93	e.58	.04	.68	.13	.00	4.5	67	10	58
27	e.36	e1.6	e.98	e.78	.04	.62	.08	.00	2.9	59	8.5	54
28	e.38	e.87	e1.0	e.89	.15	.49	.03	.00	4.4	44	7.2	52
29	e.28	e.41	e1.5	e.62	---	12	.02	.00	13	33	5.7	49
30	e.26	.40	e1.2	.43	---	54	.01	.00	42	23	4.4	48
31	e.28	---	e1.1	.46	---	54	---	.00	---	18	3.5	---
TOTAL	61.01	10.57	29.22	88.65	11.12	167.25	97.33	1.22	90.75	867.0	787.3	1872.36
MEAN	1.97	.35	.94	2.86	.40	5.40	3.24	.039	3.03	28.0	25.4	62.4
MAX	4.7	1.6	2.0	14	1.3	54	29	.37	42	73	57	346
MIN	.26	.07	.72	.43	.04	.04	.01	.00	.00	5.2	3.5	.96
CFSM	.12	.02	.06	.18	.02	.34	.20	.00	.19	1.74	1.58	3.88
IN.	.14	.02	.07	.20	.03	.39	.22	.00	.21	2.00	1.82	4.33

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	7.47	3.38	3.89	5.41	5.86	7.51	3.46	2.55	8.24	15.5	17.1	26.1
MAX	21.1	16.0	38.3	23.0	45.0	38.9	15.6	11.9	31.9	35.0	39.0	83.0
(WY)	1995	1998	1998	1998	1998	1987	1987	1991	1992	1991	1995	1988
MIN	1.50	.35	.39	.18	.10	.22	.054	.000	.11	1.49	1.11	1.72
(WY)	1992	2001	1991	1997	1997	2000	2000	2000	1988	1993	1996	1987

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1985 - 2001**	
ANNUAL TOTAL	2013.15		4083.78			
ANNUAL MEAN	5.50		11.2		8.88	
HIGHEST ANNUAL MEAN					21.1	1998
LOWEST ANNUAL MEAN					4.09	1989
HIGHEST DAILY MEAN	111	Sep 8	346	Sep 15	588	Sep 27 1997
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 20	.00	May 25	.00	May 29 1988
MAXIMUM PEAK FLOW			422	Sep 15	633	Sep 27 1997
MAXIMUM PEAK STAGE			8.85	Sep 15	9.99	Sep 27 1997
ANNUAL RUNOFF (CFSM)	.34		.69		.55	
ANNUAL RUNOFF (INCHES)	4.65		9.44		7.49	
10 PERCENT EXCEEDS	19		38		22	
50 PERCENT EXCEEDS	.92		.94		2.6	
90 PERCENT EXCEEDS	.00		.04		.18	

02301793 EAST LAKE OUTFALL AT EAST CHELSEA STREET NEAR TAMPA, FL

LOCATION.--Lat 27°59'05", long 82°22'19", in SE $\frac{1}{4}$ sec.2, T.29 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on upstream side of culvert headwall on East Chelsea Street, 400 ft east of Orient Road, 0.5 mi south of Interstate 4, and 5.7 mi east southeast of Tampa.
DRAINAGE AREA.--1.46 mi^2.
PERIOD OF RECORD.--February 1999 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	.08	.07	.00	.02	.90	.24	1.6
2	---	---	---	---	---	.06	.05	.00	.02	6.0	.29	5.3
3	---	---	---	---	2.1	.06	.04	.00	.01	8.9	.19	4.7
4	---	---	---	---	1.9	.06	.01	.00	.02	7.1	.35	3.7
5	---	---	---	---	1.7	.05	.09	.00	.03	5.3	.93	3.0
6	---	---	---	---	1.4	.06	.02	.00	.02	2.8	1.9	2.6
7	---	---	---	---	1.3	.06	.00	.00	.00	2.4	2.8	2.5
8	---	---	---	---	1.1	.05	.00	.00	.00	4.0	2.2	2.4
9	---	---	---	---	1.0	.05	.00	.00	.18	3.3	1.7	2.1
10	---	---	---	---	.85	.05	.00	.24	.30	3.0	1.2	1.7
11	---	---	---	---	.70	.04	.00	.03	.40	3.1	.93	1.5
12	---	---	---	---	.60	.04	.00	.00	1.1	1.5	1.7	1.3
13	---	---	---	---	.41	.04	.00	.00	1.7	.28	2.1	.77
14	---	---	---	---	.22	.17	.00	.05	1.6	4.2	2.4	e.42
15	---	---	---	---	.14	.13	.00	.02	1.7	10	2.7	e.26
16	---	---	---	---	.11	.17	.00	.00	4.1	8.5	2.3	e.26
17	---	---	---	---	.10	.19	.02	.00	4.0	6.3	1.9	e.26
18	---	---	---	---	.09	.21	.01	.03	6.8	4.8	1.6	e1.3
19	---	---	---	---	.08	.21	.00	.02	8.8	3.3	1.9	e1.9
20	---	---	---	---	.07	.21	.00	.00	9.6	2.3	2.4	e2.9
21	---	---	---	---	.06	.22	.00	1.4	7.6	1.7	3.8	e4.4
22	---	---	---	---	.05	.21	.00	1.6	6.7	1.2	3.6	e6.7
23	---	---	---	---	.05	.18	.00	.51	6.1	.79	3.4	e10
24	---	---	---	---	.06	.17	.00	.26	2.3	.52	3.0	e15
25	---	---	---	---	.06	.17	.00	.14	.84	.31	3.2	e25
26	---	---	---	---	.07	.17	.00	.13	3.0	.19	3.6	e20
27	---	---	---	---	.07	.16	.00	.05	4.2	.46	3.1	e17
28	---	---	---	---	.08	.14	.00	.02	2.9	.83	2.6	e14
29	---	---	---	---	---	.13	.00	.01	.43	.59	2.0	e12
30	---	---	---	---	---	.62	.00	.03	.21	.41	1.5	e9.5
31	---	---	---	---	---	.13	---	.02	---	.28	.98	---
TOTAL	---	---	---	---	14.37	4.29	0.31	4.56	74.68	95.26	62.51	174.07
MEAN	---	---	---	---	.55	.14	.010	.15	2.49	3.07	2.02	5.80
MAX	---	---	---	---	2.1	.62	.09	1.6	9.6	10	3.8	25
MIN	---	---	---	---	.05	.04	.00	.00	.00	.19	.19	.26

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	.14	.010	.15	2.49	3.07	2.02	5.80
MAX	---	---	---	---	---	.14	.010	.15	2.49	3.07	2.02	5.80
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	.14	.010	.15	2.49	3.07	2.02	5.80
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999

02301793 EAST LAKE OUTFALL AT EAST CHELSEA STREET NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	.20	.63	.04	.14	.00	.04	.00	.00	.36	.31	.07
2	6.2	2.4	.38	.04	.17	.00	.03	.00	.00	.39	.23	.06
3	7.2	2.2	.25	.02	.17	.00	.01	.00	.00	.53	.21	.02
4	11	1.5	.22	.02	.16	.00	.02	.00	.00	1.0	.14	.00
5	12	1.1	.19	.01	.09	.00	.02	.00	.00	2.5	.11	.09
6	7.7	.84	.11	.00	.04	.00	.00	.00	.00	.52	.16	.10
7	.48	.65	.06	.08	.02	.00	.00	.00	.00	.24	.10	2.3
8	3.1	.54	.04	.12	.01	.00	.00	.00	.00	.14	.13	7.8
9	8.0	.44	.02	.13	.00	.00	.00	.00	.00	.10	.62	5.9
10	6.0	.36	.02	.11	.00	.00	.00	.00	.00	.05	1.7	5.1
11	4.5	.28	.03	.09	.00	.00	.00	.00	.00	.02	1.3	3.9
12	4.0	.19	.03	.06	.00	.00	.00	.00	.00	.01	2.7	2.8
13	3.0	.13	.01	.03	.00	.00	.00	.00	.00	.05	6.4	1.9
14	2.2	.09	.14	.01	.01	.00	.00	.00	e.00	.08	6.0	1.3
15	1.7	.05	.24	.00	.01	.00	.00	.00	e.00	2.9	5.0	1.3
16	1.7	.04	.28	.00	.00	.00	.00	.00	e.00	6.1	3.9	1.2
17	1.7	.03	.61	.01	.00	.00	.00	.00	e.00	4.7	2.8	4.5
18	1.4	.04	1.9	.02	.00	.06	.00	.00	e.00	3.7	1.9	5.8
19	1.2	.07	2.0	.03	.00	.05	.00	.00	e.00	1.7	1.2	5.5
20	1.1	.09	1.6	.03	.00	.09	.00	.00	e.00	.79	.95	6.0
21	1.5	.09	1.3	.02	.00	.06	.00	.00	e.00	1.9	.82	5.0
22	1.4	.10	1.1	.02	.00	.05	.02	.00	e.00	3.1	.44	4.4
23	1.0	.08	.93	.03	.00	.05	.02	.00	e.00	2.5	.44	4.1
24	.62	.08	.70	.12	.00	.05	.00	.00	e.00	3.3	.27	4.0
25	.40	.85	.49	.05	.00	.05	.00	.00	e.00	3.8	.11	4.0
26	.31	3.1	.32	.02	.00	.06	.00	.00	e.00	3.1	.06	3.1
27	.26	2.5	.22	.00	.00	.07	.00	.00	e.00	2.4	.14	2.5
28	.23	1.8	.16	.00	.00	.04	.00	.00	.06	2.0	.09	2.0
29	.21	1.4	.11	.00	.00	.01	.00	.00	.16	1.4	.09	1.7
30	.18	1.0	.06	.00	---	.01	.00	.00	1.0	.83	.09	1.5
31	.16	---	.05	.05	---	.05	---	.00	---	.46	.03	---
TOTAL	99.45	22.24	14.20	1.16	0.82	0.70	0.16	0.00	1.22	50.67	38.44	87.94
MEAN	3.21	.74	.46	.037	.028	.023	.005	.000	.041	1.63	1.24	2.93
MAX	12	3.1	2.0	.13	.17	.09	.04	.00	1.0	6.1	6.4	7.8
MIN	.16	.03	.01	.00	.00	.00	.00	.00	.00	.01	.03	.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	3.21	.74	.46	.037	.028	.023	.005	.000	.041	1.63	1.24	2.93
MAX	3.21	.74	.46	.037	.028	.023	.005	.000	.041	1.63	1.24	2.93
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	3.21	.74	.46	.037	.028	.023	.005	.000	.041	1.63	1.24	2.93
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**	
ANNUAL TOTAL			317.00	
ANNUAL MEAN			.87	
HIGHEST DAILY MEAN	25	Sep 25	12	Oct 5
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 7	.00	Feb 16
MAXIMUM PEAK FLOW			16	Sep 7
MAXIMUM PEAK STAGE			22.87	Sep 7
10 PERCENT EXCEEDS	4.6		3.1	
50 PERCENT EXCEEDS	.36		.06	
90 PERCENT EXCEEDS	.00		.00	

02301793 EAST LAKE OUTFALL AT EAST CHELSEA STREET NEAR TAMPA, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.00	.00	.00	.00	.00	.82	.00	.00	14	6.7	1.6
2	1.0	.00	.00	.00	.00	.08	.28	.00	.00	11	7.4	1.4
3	.89	.00	.00	.00	.00	.03	.18	.00	.00	9.1	9.2	1.3
4	.76	.00	.00	.00	.00	.13	.12	.00	.00	7.8	8.1	1.0
5	.62	.00	.00	.00	.00	.43	.07	.00	.25	6.4	7.3	.88
6	.49	.00	.00	.00	.00	.09	.03	.00	.05	5.2	7.3	1.1
7	.29	.00	.00	.00	.00	.02	.01	.00	.10	4.6	7.0	1.5
8	.11	.00	.00	.00	.00	.00	.00	.00	.07	3.7	6.1	1.4
9	.08	.00	.00	.00	.00	.00	.00	.00	.02	2.7	5.3	1.4
10	.08	.00	.00	.00	.00	.00	.00	.00	.00	2.1	4.9	1.5
11	.09	.00	.00	.00	.00	.00	.00	.00	.00	3.6	3.9	1.6
12	.09	.00	.00	.00	.00	.00	.00	.00	.00	3.0	3.7	1.5
13	.09	.00	.00	.00	.00	.00	.00	.00	.00	2.0	3.0	1.6
14	.07	.00	.00	.00	.00	.00	.00	.00	.00	1.7	2.1	27
15	.09	.00	.00	.00	.00	.00	.00	.00	.00	1.4	1.4	51
16	.09	.00	.00	.00	.00	.00	.00	.00	.00	1.2	.99	40
17	.05	.00	.00	.00	.00	.00	.00	.00	.00	1.1	2.3	29
18	.04	.00	.00	.00	.00	.00	.00	.00	.08	.93	5.7	20
19	.03	.00	.00	.00	.00	.09	.00	.00	1.1	2.8	8.3	13
20	.02	.00	.00	.00	.00	.26	.00	.00	1.4	3.8	7.3	9.6
21	.01	.00	.00	.00	.00	.13	.00	.00	.36	2.7	6.9	7.3
22	.00	.00	.00	.00	.00	.08	.00	.00	.91	2.2	7.4	5.6
23	.00	.00	.00	.00	.00	.05	.00	.00	2.6	4.5	6.0	5.0
24	.00	.00	.00	.00	.00	.03	.00	.00	3.6	6.7	4.7	3.8
25	.00	.11	.00	.00	.00	.02	.00	.00	2.8	5.7	3.6	2.9
26	.00	.07	.00	.00	.00	.00	.00	.00	1.8	6.4	3.0	2.5
27	.00	.04	.00	.00	.00	.00	.00	.00	.94	10	3.0	2.3
28	.00	.01	.00	.00	.00	.00	.00	.00	1.8	11	2.6	5.4
29	.00	.00	.00	.00	---	1.3	.00	.00	6.7	9.5	2.4	6.9
30	.00	.00	.00	.00	---	2.6	.00	.00	9.7	8.2	2.1	5.3
31	.00	---	.00	.00	---	1.1	---	.00	---	7.3	1.8	---
TOTAL	6.19	0.23	0.00	0.00	0.00	6.44	1.51	0.00	34.28	162.33	151.49	254.38
MEAN	.20	.008	.000	.000	.000	.21	.050	.000	1.14	5.24	4.89	8.48
MAX	1.2	.11	.00	.00	.00	2.6	.82	.00	9.7	14	9.2	51
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.93	.99	.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	1.70	.37	.23	.019	.014	.12	.028	.000	.59	3.44	3.06	5.71
MAX	3.21	.74	.46	.037	.028	.21	.050	.000	1.14	5.24	4.89	8.48
(WY)	2000	2000	2000	2000	2000	2001	2001	2000	2001	2001	2001	2001
MIN	.20	.008	.000	.000	.000	.023	.005	.000	.041	1.63	1.24	2.93
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 2000 - 2001**	
ANNUAL TOTAL	187.53		616.85			
ANNUAL MEAN	.51		1.69		1.28	
HIGHEST ANNUAL MEAN					1.69	2001
LOWEST ANNUAL MEAN					.87	2000
HIGHEST DAILY MEAN	7.8	Sep 8	51	Sep 15	51	Sep 15 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 16	.00	Oct 22	.00	Feb 16 2000
MAXIMUM PEAK FLOW			56	Sep 15	56	Sep 15 2001
MAXIMUM PEAK STAGE			24.09	Sep 15	24.09	Sep 7 2001
10 PERCENT EXCEEDS	1.9		5.8		4.0	
50 PERCENT EXCEEDS	.00		.00		.03	
90 PERCENT EXCEEDS	.00		.00		.00	

TAMPA BAY AND COASTAL AREAS

02301805 PALM RIVER AT MOUTH AT TAMPA, FL

LOCATION.--Lat 27°56'31", long 82°24'36", in SW ¼ sec.21, T.29 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on left bank, on City of Tampa fishing dock, at southeastern city limits of Tampa, and 4,000 ft downstream from 50th Street (U.S. Highway 41).
DRAINAGE AREA.--36.8 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--June to Spetember 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 4.71 ft, July 23; minimumm, 1.56 ft below NGVD, July 31.

GAGE HEIGHT, FEET, PERIOD JUNE TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	1.85	-.45	2.02	-1.29	2.44	-.48
2	---	---	---	---	---	---	2.01	-.79	2.01	-1.10	2.44	-.39
3	---	---	---	---	---	---	2.10	-.83	2.92	-.33	2.38	-.20
4	---	---	---	---	---	---	2.41	-1.29	3.07	-.38	2.31	-.39
5	---	---	---	---	---	---	2.56	-.87	2.77	-.35	2.25	-.09
6	---	---	---	---	---	---	2.25	-1.01	2.27	-.68	1.95	-.27
7	---	---	---	---	---	---	2.31	-.91	1.92	-.61	1.98	-.07
8	---	---	---	---	---	---	2.20	-.76	1.81	-.44	2.15	-.06
9	---	---	---	---	---	---	2.05	-.58	1.75	-.42	2.12	-.25
10	---	---	---	---	---	---	2.07	-.57	1.54	-.13	2.13	-.56
11	---	---	---	---	---	---	1.67	-.35	1.65	-.32	1.79	-.77
12	---	---	---	---	---	---	1.89	.03	1.69	-.45	2.30	-.62
13	---	---	---	---	---	---	1.85	.25	1.68	-.59	2.05	-.76
14	---	---	---	---	---	---	1.69	-.13	2.09	-.68	1.69	-1.29
15	---	---	---	---	---	---	1.69	-.66	2.45	-.63	2.17	-1.02
16	---	---	---	---	---	---	1.71	-.56	2.68	-.84	2.35	-.69
17	---	---	---	---	---	---	2.36	-.79	2.59	-1.08	2.57	-.46
18	---	---	---	---	---	---	2.49	-1.07	2.79	-.87	2.73	-.29
19	---	---	---	---	---	---	2.65	-1.26	3.15	-.65	2.58	-.20
20	---	---	---	---	---	---	2.54	-1.26	2.75	-.57	2.57	-.13
21	---	---	---	---	---	---	3.07	-.86	2.37	-.42	2.90	-.05
22	---	---	---	---	---	---	3.33	-.46	2.07	-.23	2.55	-.20
23	---	---	---	---	---	---	4.71	.17	1.89	-.18	2.30	-.23
24	---	---	---	---	---	---	2.56	-.19	1.81	-.23	2.35	.18
25	---	---	---	---	---	---	2.46	-.22	1.88	-.50	2.49	-.29
26	---	---	---	---	---	---	1.67	-.31	1.70	-.57	1.51	-.68
27	---	---	---	---	---	---	1.53	-.45	1.73	-.57	1.87	-.44
28	---	---	---	---	---	---	1.42	-.73	1.79	-.84	2.17	-.17
29	---	---	---	---	---	---	1.50	-.90	1.97	-.84	1.98	-.91
30	---	---	---	---	1.68	-.41	1.63	-.99	2.07	-.60	1.41	-.64
31	---	---	---	---	---	---	1.64	-1.56	2.32	-.47	---	---
MONTH	---	---	---	---	1.68	-.41	4.71	-1.56	3.15	-1.29	2.90	-1.29
YEAR	4.71	-1.56										

02301805 PALM RIVER AT MOUTH AT TAMPA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located near the surface and near the bottom.
REMARKS.--Interruptions in record were due to malfunctions of the instruments. Specific conductance records poor, temperature records good.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 49,300 microsiemens, July 16; bottom probe maximum, 50,500 microsiemens, July 31; top probe minimum, 2,060 microsiemens, Sept. 15; bottom probe minimum, 2,010 microsiemens, Sept. 15.
TEMPERATURE.--Top probe maximum, 34.9°C, Aug. 12; bottom probe maximum, 35.2°C, July 29; top probe minimum, 22.7°C, Sept. 15; bottom probe minimum, 22.7°C, Sept. 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	---	---	---	---	---	---	47300	23000	45300	34000	44000	39600
2	---	---	---	---	---	---	44800	36700	45700	37300	45900	41300
3	---	---	---	---	---	---	46900	38900	41200	33500	44200	37600
4	---	---	---	---	---	---	46100	42300	41700	34400	45500	39600
5	---	---	---	---	---	---	46400	44700	41300	34300	42400	36600
6	---	---	---	---	---	---	46200	39300	38800	31900	44200	22000
7	---	---	---	---	---	---	46300	40000	39000	30300	37600	25300
8	---	---	---	---	---	---	45400	43200	37000	25000	38700	27600
9	---	---	---	---	---	---	45300	42800	41100	23400	37000	29300
10	---	---	---	---	---	---	45200	34400	36300	26700	36100	33200
11	---	---	---	---	---	---	43400	26500	34800	28000	38400	35300
12	---	---	---	---	---	---	40700	35800	31500	27100	39300	37500
13	---	---	---	---	---	---	46100	30700	29700	27200	39000	36400
14	---	---	---	---	---	---	39600	31500	33700	26100	37900	3530
15	---	---	---	---	---	---	48200	31500	33200	19000	12300	2060
16	---	---	---	---	---	---	49300	47400	38600	22800	21400	8410
17	---	---	---	---	---	---	49000	44200	40700	24200	21400	7460
18	---	---	---	---	---	---	49100	45800	41100	28600	8460	3690
19	---	---	---	---	---	---	48700	43100	40600	26500	5800	2460
20	---	---	---	---	---	---	48500	40500	42200	29700	7490	4930
21	---	---	---	---	---	---	47700	36600	42700	32700	10200	6760
22	---	---	---	---	---	---	46700	26100	39200	36300	13800	6430
23	---	---	---	---	---	---	46200	30700	40100	37800	14400	5670
24	---	---	---	---	---	---	42400	19400	40700	38000	17100	11400
25	---	---	---	---	---	---	41500	20000	44500	39000	16800	11100
26	---	---	---	---	---	---	41300	17000	42400	40000	17200	13800
27	---	---	---	---	---	---	38700	13900	43000	41500	20100	15700
28	---	---	---	---	---	---	34300	15700	44000	41100	24900	11800
29	---	---	---	---	---	---	36700	29600	44900	41300	31600	24700
30	---	---	---	---	46300	8400	38500	34200	44700	39500	32500	31100
31	---	---	---	---	---	---	41000	32700	45700	40900	---	---
MONTH	---	---	---	---	46300	8400	49300	13900	45700	19000	45900	2060
YEAR	49300	2060										

02301805 PALM RIVER AT MOUTH AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	48200	26500	50300	40000	42200	36700
2	---	---	---	---	---	---	48200	38400	50400	38100	41700	35800
3	---	---	---	---	---	---	48300	43900	50100	38200	42800	34800
4	---	---	---	---	---	---	47200	42800	49600	35500	42100	35700
5	---	---	---	---	---	---	47400	42400	49300	36800	41000	32400
6	---	---	---	---	---	---	47500	42100	48300	34400	40800	24100
7	---	---	---	---	---	---	47900	42900	47400	35400	41200	25500
8	---	---	---	---	---	---	47800	44200	45600	31800	40100	30700
9	---	---	---	---	---	---	47300	44700	45500	29900	39900	30000
10	---	---	---	---	---	---	47200	42300	42800	32000	38300	33200
11	---	---	---	---	---	---	46100	39200	42300	31000	37900	34600
12	---	---	---	---	---	---	45000	39300	41300	28000	38700	36700
13	---	---	---	---	---	---	44700	35300	38300	27900	38300	36200
14	---	---	---	---	---	---	46600	31000	36600	27400	37200	3410
15	---	---	---	---	---	---	47400	39700	37200	17900	16800	2010
16	---	---	---	---	---	---	46500	43900	39400	20700	28900	12200
17	---	---	---	---	---	---	46600	40100	40600	27000	20900	7390
18	---	---	---	---	---	---	46200	33200	41300	27300	8000	3600
19	---	---	---	---	---	---	46400	39200	41100	31500	5660	3090
20	---	---	---	---	---	---	45900	39800	40900	32200	7950	4740
21	---	---	---	---	---	---	45700	36800	41600	31800	11600	6790
22	---	---	---	---	---	---	45700	37800	39800	33100	14200	6720
23	---	---	---	---	---	---	45300	35400	41200	34200	14700	6610
24	---	---	---	---	---	---	44400	33200	41500	34000	18400	11200
25	---	---	---	---	---	---	44900	36700	41200	34000	17700	11000
26	---	---	---	---	---	---	46000	29600	38800	34300	17900	14200
27	---	---	---	---	---	---	45300	21300	42200	36500	26500	16400
28	---	---	---	---	---	---	45900	26700	42600	35100	33800	20400
29	---	---	---	---	---	---	46500	29500	42300	35700	32800	26700
30	---	---	---	---	48800	40700	49000	33900	42600	35900	33300	31100
31	---	---	---	---	---	---	50500	36600	42000	36800	---	---
MONTH	---	---	---	---	48800	40700	50500	21300	50400	17900	42800	2010
YEAR	50500	2010										

02301805 PALM RIVER AT MOUTH AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	32.4	26.2	30.0	27.8	33.3	30.0
2	---	---	---	---	---	---	33.1	28.1	28.7	26.3	32.6	30.1
3	---	---	---	---	---	---	32.8	28.8	29.6	26.9	33.2	30.0
4	---	---	---	---	---	---	33.1	29.5	29.2	27.3	32.9	30.2
5	---	---	---	---	---	---	31.3	29.6	30.2	27.3	33.8	30.0
6	---	---	---	---	---	---	32.7	28.1	31.8	27.7	33.7	28.2
7	---	---	---	---	---	---	32.6	29.1	32.5	27.2	33.3	27.0
8	---	---	---	---	---	---	32.2	29.4	33.2	28.4	32.3	29.7
9	---	---	---	---	---	---	31.0	29.5	31.5	27.8	31.5	29.5
10	---	---	---	---	---	---	30.4	28.6	33.6	27.7	30.9	29.4
11	---	---	---	---	---	---	30.0	27.2	34.7	29.0	30.6	29.2
12	---	---	---	---	---	---	31.3	28.6	34.9	29.6	30.2	29.1
13	---	---	---	---	---	---	30.0	28.1	33.9	30.1	29.3	27.8
14	---	---	---	---	---	---	31.8	28.1	32.8	30.0	28.3	23.2
15	---	---	---	---	---	---	31.3	27.5	31.9	29.1	25.3	22.7
16	---	---	---	---	---	---	30.7	28.6	32.6	29.1	27.7	23.5
17	---	---	---	---	---	---	31.4	29.1	33.4	29.3	27.3	24.4
18	---	---	---	---	---	---	31.9	28.5	32.9	29.8	26.4	24.1
19	---	---	---	---	---	---	32.1	29.0	32.8	27.8	27.0	24.2
20	---	---	---	---	---	---	31.6	28.2	32.2	29.1	27.9	24.4
21	---	---	---	---	---	---	30.6	28.5	32.2	29.7	30.0	25.1
22	---	---	---	---	---	---	31.8	27.1	33.2	29.2	32.1	25.2
23	---	---	---	---	---	---	30.2	26.4	33.0	29.7	30.5	24.9
24	---	---	---	---	---	---	30.0	26.2	33.3	29.8	30.5	26.0
25	---	---	---	---	---	---	33.0	27.4	34.2	30.3	30.1	26.5
26	---	---	---	---	---	---	32.9	26.8	32.3	30.3	27.2	25.9
27	---	---	---	---	---	---	31.8	26.1	32.3	29.2	27.5	26.1
28	---	---	---	---	---	---	32.8	25.9	33.4	30.3	27.6	25.8
29	---	---	---	---	---	---	33.2	28.5	33.3	30.3	26.8	25.0
30	---	---	---	---	32.0	27.0	32.3	30.2	32.1	29.8	27.1	24.2
31	---	---	---	---	---	---	31.2	28.4	32.4	29.4	---	---
MONTH	---	---	---	---	32.0	27.0	33.2	25.9	34.9	26.3	33.8	22.7
YEAR	34.9	22.7										

TEMPERATURE, WATER (DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	32.3	27.3	30.0	28.0	32.8	30.0
2	---	---	---	---	---	---	33.0	28.5	29.0	26.4	32.3	30.1
3	---	---	---	---	---	---	32.6	29.9	29.4	27.0	32.8	30.1
4	---	---	---	---	---	---	32.9	29.5	29.1	27.3	32.8	30.3
5	---	---	---	---	---	---	31.3	29.4	30.2	27.5	32.8	30.0
6	---	---	---	---	---	---	32.5	28.8	31.5	27.8	33.1	29.4
7	---	---	---	---	---	---	32.1	30.0	32.3	28.3	33.2	28.0
8	---	---	---	---	---	---	32.0	29.3	31.2	29.0	32.3	29.6
9	---	---	---	---	---	---	31.1	29.3	31.1	27.7	31.3	29.6
10	---	---	---	---	---	---	30.4	28.6	33.7	28.2	30.8	29.4
11	---	---	---	---	---	---	30.0	28.0	34.8	29.9	31.6	29.3
12	---	---	---	---	---	---	31.3	28.5	35.0	30.4	30.4	29.1
13	---	---	---	---	---	---	30.0	28.5	34.4	30.5	29.3	27.8
14	---	---	---	---	---	---	31.8	28.2	33.5	30.6	28.3	23.2
15	---	---	---	---	---	---	31.5	29.5	31.7	29.8	25.5	22.7
16	---	---	---	---	---	---	31.0	28.6	32.1	30.5	27.6	23.5
17	---	---	---	---	---	---	31.3	29.0	33.4	31.0	27.2	24.4
18	---	---	---	---	---	---	31.9	28.7	32.9	30.1	26.4	24.0
19	---	---	---	---	---	---	32.1	29.6	32.4	29.9	26.8	24.2
20	---	---	---	---	---	---	31.6	29.2	32.1	29.8	27.6	24.4
21	---	---	---	---	---	---	30.9	28.9	31.8	29.7	29.8	25.1
22	---	---	---	---	---	---	31.5	29.3	31.8	29.2	32.3	25.3
23	---	---	---	---	---	---	30.7	27.2	32.4	29.7	30.1	25.0
24	---	---	---	---	---	---	30.0	27.0	33.2	29.8	30.5	26.0
25	---	---	---	---	---	---	32.2	29.0	34.4	30.6	30.2	26.5
26	---	---	---	---	---	---	32.7	28.7	33.9	30.5	27.2	25.9
27	---	---	---	---	---	---	32.4	26.8	32.8	29.5	27.4	26.2
28	---	---	---	---	---	---	33.8	29.2	33.4	30.5	27.5	26.0
29	---	---	---	---	---	---	35.2	29.4	33.3	30.6	27.2	24.6
30	---	---	---	---	31.9	27.6	33.0	30.0	31.8	29.9	27.1	23.8
31	---	---	---	---	---	---	31.2	28.7	32.3	29.4	---	---
MONTH	---	---	---	---	31.9	27.6	35.2	26.8	35.0	26.4	33.2	22.7
YEAR	35.2	22.7										

HILLSBOROUGH RIVER BASIN

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°11'07", long 82°11'03", in NW $\frac{1}{4}$ sec.35, T.26 S., R.21 E., Pasco County, Hydrologic Unit 03100205, at right bank on upstream side of bridge on former State Highway 23, 0.2 mi upstream from Crystal Springs, 1.5 mi west of village of Crystal Springs, and 3.0 mi south of Zephyrhills.
DRAINAGE AREA.--82 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1941 to August 1964 (fragmentary); September 1964 to September 1983 (gage heights only), incomplete; October 1983 to current year. Records of gage heights prior to October 1963 are available in files of the Geological Survey.
REVISIED RECORDS.--WRD FL-98-3A: 1997 (M and daily).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Sept. 12, 1941, nonrecording gage (reference point) at same site at datum 63.30 ft higher; Sept. 12, 1941, to May 14, 1964, nonrecording gage at same site at datum 50.97 ft higher; May 14, 1964, to June 1, 1994, water-stage recorder at same site at present datum.
REMARKS.--Records fair. Discharge measurements made at this site are used in conjunction with those made downstream from Crystal Springs (station 02302000) to determine spring flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	6.5	5.7	5.2	5.0	4.7	8.3	5.3	4.0	6.9	20	19
2	8.3	6.4	5.9	5.1	5.1	5.0	7.0	5.3	4.8	6.5	17	16
3	8.7	6.4	5.6	5.1	5.0	5.1	6.4	5.2	4.6	6.3	21	15
4	9.0	6.7	5.4	5.2	5.0	5.2	6.3	5.2	4.7	6.2	17	14
5	8.7	6.7	5.7	5.1	4.9	5.1	6.1	5.2	5.1	6.6	27	14
6	8.6	6.7	5.3	5.1	4.7	4.9	5.8	4.9	6.5	7.0	40	17
7	8.9	6.6	5.5	5.0	4.6	4.9	5.8	4.6	7.9	6.7	46	21
8	7.5	6.7	5.9	5.1	4.7	4.9	6.1	4.6	7.1	6.7	43	20
9	7.1	6.7	5.8	5.0	4.9	5.0	6.1	4.5	6.4	6.8	41	30
10	7.4	6.8	5.6	4.8	5.1	5.2	5.9	4.5	6.2	6.9	41	48
11	8.0	6.2	5.6	5.0	4.8	5.0	5.8	4.5	6.1	7.3	36	103
12	7.6	6.4	5.6	5.2	4.7	5.3	5.7	4.5	6.1	7.4	39	152
13	7.4	6.4	5.7	5.2	4.8	5.5	5.6	4.5	6.0	7.3	69	203
14	7.2	6.4	5.7	5.1	5.1	5.4	5.9	4.5	5.9	7.6	69	447
15	7.1	6.1	5.7	5.2	4.9	5.7	6.1	4.5	6.1	7.6	47	809
16	6.9	6.7	5.7	5.2	4.9	5.5	5.7	4.6	6.6	7.3	44	1160
17	6.9	7.3	6.1	5.2	4.8	5.3	5.2	4.3	6.2	9.3	53	1340
18	6.8	7.0	6.2	5.2	4.4	5.1	5.1	4.1	6.0	11	60	1310
19	6.6	7.2	6.0	5.3	4.4	6.1	5.1	4.1	5.9	11	62	1220
20	6.8	6.4	5.8	5.5	4.6	6.8	5.1	4.1	6.0	9.4	61	1170
21	6.8	6.3	5.7	5.3	4.8	5.9	5.2	3.9	6.0	9.4	59	1070
22	6.5	6.4	5.7	5.3	4.8	5.6	5.2	4.1	6.0	9.9	58	953
23	6.6	6.6	5.5	5.1	4.6	5.6	5.3	4.0	6.2	9.5	56	934
24	6.5	6.7	5.6	5.0	4.5	5.4	5.5	3.7	6.4	9.6	60	880
25	6.3	6.8	5.4	4.8	4.6	5.5	5.6	3.6	6.3	9.1	59	856
26	6.1	6.6	5.4	4.8	4.6	5.4	5.3	3.6	6.0	9.1	49	748
27	6.1	6.3	5.4	4.9	4.6	5.1	5.0	3.6	5.8	9.4	39	616
28	5.8	6.0	5.5	4.9	4.8	5.1	5.1	3.5	5.9	9.0	31	507
29	6.3	6.2	5.3	5.1	---	6.8	5.1	3.5	6.2	9.0	26	420
30	6.5	5.8	5.4	5.2	---	10	5.1	3.5	6.7	8.9	22	348
31	6.6	---	5.3	4.9	---	8.4	---	3.6	---	10	20	---
TOTAL	224.4	196.0	174.7	158.1	133.7	174.5	171.5	133.6	179.7	254.7	1332	15460
MEAN	7.24	6.53	5.64	5.10	4.78	5.63	5.72	4.31	5.99	8.22	43.0	515
MAX	9.0	7.3	6.2	5.5	5.1	10	8.3	5.3	7.9	11	69	1340
MIN	5.8	5.8	5.3	4.8	4.4	4.7	5.0	3.5	4.0	6.2	17	14
AC-FT	445	389	347	314	265	346	340	265	356	505	2640	30660
CFSM	.09	.08	.07	.06	.06	.07	.07	.05	.07	.10	.52	6.28
IN.	.10	.09	.08	.07	.06	.08	.08	.06	.08	.12	.60	7.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	65.5	39.9	91.6	64.6	59.7	68.2	54.5	16.2	18.9	47.1	89.4	166
MAX	291	209	1139	529	622	496	452	59.2	37.2	327	371	533
(WY)	1996	1998	1998	1998	1998	1998	1987	1987	1986	1991	1995	1985
MIN	7.24	6.53	5.64	5.10	4.78	5.63	5.72	4.31	4.70	7.02	9.46	9.56
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	1993	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1984 - 2001**	
ANNUAL TOTAL	3043.6		18592.9			
ANNUAL MEAN	8.32		50.9		65.1	
HIGHEST ANNUAL MEAN					282	1998
LOWEST ANNUAL MEAN					9.92	2000
HIGHEST DAILY MEAN	16	Jan 30	1340	Sep 17	2700	Dec 13 1997
LOWEST DAILY MEAN	3.5	Jun 18	3.5	May 28	3.4	Apr 8 1991
ANNUAL SEVEN-DAY MINIMUM	3.6	Jun 16	3.6	May 25	3.6	May 25 2001
MAXIMUM PEAK FLOW			1390	Sep 17	1390	Sep 17 2001
MAXIMUM PEAK STAGE			55.89	Sep 17	55.89	Sep 17 2001
ANNUAL RUNOFF (AC-FT)	6040		36880		47190	
ANNUAL RUNOFF (CFSM)	.10		.62		.79	
ANNUAL RUNOFF (INCHES)	1.38		8.43		10.79	
10 PERCENT EXCEEDS	12		43		138	
50 PERCENT EXCEEDS	7.6		6.0		20	
90 PERCENT EXCEEDS	5.6		4.7		8.8	

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.74	51.72	51.61	51.55	51.53	51.52	51.74	51.47	51.39	51.54	52.12	52.09
2	51.72	51.71	51.62	51.54	51.54	51.54	51.65	51.47	51.45	51.50	52.02	51.99
3	51.75	51.71	51.60	51.54	51.53	51.54	51.60	51.46	51.42	51.49	52.16	51.94
4	51.78	51.74	51.58	51.55	51.53	51.55	51.59	51.46	51.41	51.48	52.04	51.91
5	51.77	51.73	51.61	51.54	51.54	51.55	51.58	51.46	51.44	51.51	52.30	51.91
6	51.77	51.72	51.57	51.54	51.52	51.52	51.55	51.44	51.52	51.54	52.63	52.00
7	51.79	51.72	51.59	51.54	51.50	51.51	51.55	51.42	51.62	51.51	52.74	52.17
8	51.70	51.73	51.62	51.54	51.51	51.51	51.57	51.41	51.57	51.52	52.69	52.14
9	51.68	51.72	51.61	51.53	51.54	51.52	51.58	51.41	51.52	51.52	52.66	52.41
10	51.71	51.73	51.60	51.51	51.55	51.54	51.56	51.40	51.50	51.53	52.66	52.74
11	51.76	51.68	51.59	51.53	51.53	51.52	51.55	51.41	51.49	51.56	52.56	53.28
12	51.74	51.69	51.59	51.54	51.52	51.54	51.53	51.40	51.49	51.56	52.61	53.60
13	51.73	51.69	51.59	51.54	51.54	51.56	51.53	51.41	51.48	51.56	52.99	53.84
14	51.72	51.69	51.59	51.54	51.56	51.55	51.55	51.41	51.47	51.58	53.00	54.54
15	51.73	51.66	51.59	51.54	51.55	51.57	51.57	51.42	51.49	51.58	52.76	55.22
16	51.72	51.70	51.60	51.54	51.54	51.55	51.54	51.42	51.52	51.56	52.72	55.66
17	51.72	51.75	51.63	51.54	51.54	51.53	51.49	51.39	51.49	51.68	52.83	55.84
18	51.72	51.73	51.63	51.54	51.50	51.51	51.48	51.37	51.47	51.76	52.90	55.81
19	51.72	51.74	51.62	51.55	51.50	51.59	51.48	51.38	51.46	51.75	52.93	55.72
20	51.73	51.67	51.60	51.57	51.52	51.64	51.48	51.38	51.47	51.69	52.92	55.67
21	51.74	51.66	51.60	51.55	51.55	51.57	51.48	51.37	51.47	51.68	52.89	55.57
22	51.73	51.67	51.60	51.55	51.54	51.55	51.48	51.40	51.47	51.71	52.88	55.42
23	51.74	51.69	51.58	51.53	51.52	51.55	51.49	51.39	51.49	51.69	52.86	55.40
24	51.74	51.69	51.58	51.52	51.51	51.53	51.51	51.36	51.50	51.70	52.90	55.33
25	51.73	51.69	51.57	51.51	51.51	51.54	51.51	51.36	51.49	51.67	52.89	55.30
26	51.71	51.68	51.57	51.50	51.51	51.53	51.48	51.37	51.47	51.67	52.79	55.14
27	51.69	51.65	51.57	51.52	51.50	51.50	51.46	51.37	51.45	51.69	52.62	54.93
28	51.67	51.63	51.57	51.52	51.52	51.50	51.46	51.37	51.47	51.66	52.45	54.72
29	51.71	51.64	51.56	51.54	---	51.62	51.46	51.38	51.49	51.66	52.31	54.53
30	51.73	51.62	51.57	51.55	---	51.86	51.45	51.37	51.52	51.66	52.21	54.34
31	51.74	---	51.56	51.52	---	51.74	---	51.36	---	51.72	52.14	---
MEAN	51.73	51.69	51.59	51.54	51.53	51.56	51.53	51.40	51.48	51.61	52.62	54.04
MAX	51.79	51.75	51.63	51.57	51.56	51.86	51.74	51.47	51.62	51.76	53.00	55.84
MIN	51.67	51.62	51.56	51.50	51.50	51.50	51.45	51.36	51.39	51.48	52.02	51.91

HILLSBOROUGH RIVER BASIN

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JAN													
23...	1207	51.53	5.1	<5	5.0	7.4	367	20.2	63.0	3.80	.40	5.7	10.0
FEB													
06...	1050	51.52	4.7	--	4.4	8.1	375	19.6	--	--	--	--	--
MAY													
22...	1115	51.38	3.9	<5	3.4	7.2	357	23.9	62.0	4.00	.40	5.4	9.9
JUL													
10...	1045	51.52	6.8	<5	3.9	7.3	352	24.7	61.0	3.70	.50	5.9	10.0
AUG													
07...	1015	52.76	47	200	4.2	7.1	259	24.3	45.0	2.80	2.30	5.7	8.7
SEP													
06...	0920	51.90	14	--	--	--	--	--	--	--	--	--	--
11...	1110	53.28	103	240	4.1	8.3	164	25.4	28.0	2.30	2.20	4.0	6.6

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TOTAL COLI-FORM, M ENDO MF, WTR (COL/ 100 ML) (31501)
JAN													
23...	.1	10.0	10.0	217	<.20	.02	1.9	<.01	.030	.030	1.7	2.1	250
FEB													
06...	--	--	--	--	<.20	<.01	1.7	<.01	.040	.020	--	--	380
MAY													
22...	.1	11.0	9.0	207	<.20	.01	2.0	<.01	.060	.040	.40	.50	450
JUL													
10...	.1	9.6	12.0	199	<.20	<.01	1.4	<.01	.040	.040	1.6	1.4	1500
AUG													
07...	.2	9.0	21.0	E214cl	1.3	.06	.5	.01	.220	.250	19	20	5000
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	.2	7.1	7.3	E150cl	1.5	.03	.2	<.01	.250	.300	27	28	--

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ALGAE, FLOAT-ING MATS (SEVER-ITY) (01325)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
JAN													
23...	67	93	1	<.5	.7	<.05	1.0	.2	M	<.05	<.10	<.20	230
FEB													
06...	120	120	.0	--	--	--	--	--	--	--	--	--	--
MAY													
22...	100	81	.0	M	.8	<.05	3.0	<.2	M	<.05	<.10	1.60	220
JUL													
10...	210	200	1	M	.8	<.05	5.3	.5	M	<.05	E.10	2.10	200
AUG													
07...	340	430	.0	66	1.3	<.05	1.3	1.1	290	<.05	<.10	2.10	140
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	.0	90	1.3	<.05	.7	.9	380	.16	<.10	1.50	80.0

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	1,4-DI-CHLORO-BENZENE DISSOLV (UG/L) (34572)	17A-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62052)	17B-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62053)	1METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62054)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	26DIMET NAPH-THALENE WATER, FLTERD REC (UG/L) (62055)	2METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62056)	3-BETA-COPRO-STANOL, WATER, FLTERD REC (UG/L) (62057)	3METHYL 1(H)-INDOLE, WATER, FLTERD REC (UG/L) (62058)	3-TERT-BHA, WATER, FLTERD REC (UG/L) (62059)	4-CUMYL PHENOL, WATER, FLTERD REC (UG/L) (62060)	4-OCTYL PHENOL, WATER, FLTERD REC (UG/L) (62061)
JAN													
23...	M	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
22...	<.5	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	1	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
07...	<.5	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	--	<.50	<5.00	<5.00	<.50	<.002	<.50	<.50	E.33	<1.00	<5.00	<1.00	<1.00
11...	1	--	--	--	--	--	--	--	--	--	--	--	--

DATE	4-TERT-OCTYL-PHENOL, WATER, FLTERD REC (UG/L) (62062)	5METHYL 1HBENZO TRIAZLE WATER, FLTERD REC (UG/L) (62063)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACETO-PHENONE WATER, FLTERD REC (UG/L) (62064)	AHT NAPH-THALENE WATER, FLTERD REC (UG/L) (62065)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ANTHRA-CENE DISSOLV (UG/L) (34221)	ANTHRA-QUINONE WATER, FLTERD REC (UG/L) (62066)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENZO-A-PYRENE DISSOLV (UG/L) (34248)	BENZO-PHENONE WATER, FLTERD REC (UG/L) (62067)
SEP													
06...	<1.00	<2.00	<.004	<.50	<.50	<.002	<.005	<.50	<.50	<.007	<.010	<.50	<.50

DATE	BETA-SITOS-TEROL, WATER, FLTERD REC (UG/L) (62068)	BISPHE-NOL A, WATER, FLTERD REC (UG/L) (62069)	BISPHEN OL A-D3 SURRGTE S2033/ 8033 WAT FLT PERCENT (99583)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO-FORM DISSOLV (UG/L) (34288)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAFFE-INE-C13 SURRGTE S2033/ 8033 WAT FLT PERCENT (99584)	CAMPHOR WATER, FLTERD REC (UG/L) (62070)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBA-ZOLE, WATER, FLTERD REC (UG/L) (62071)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
SEP													
06...	E.65	E.02	127	<.50	<.50	<.002	<.500	122	<.50	<1.0	<.50	<.020	<.500

DATE	CHOLES-TEROL, WATER, FLTERD REC (UG/L) (62072)	COT-ININE, WATER, FLTERD REC (UG/L) (62005)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DCFLBI-PHENYL, SURRGTE S2033/ 8033 WAT FLT PERCENT (99585)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	D-LIMO-NENE, WATER, FLTERD REC (UG/L) (62073)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	EQUILE-NIN, WATER, FLTERD REC (UG/L) (62074)
SEP													
06...	E.73	<1.0	<.018	<.003	90.9	<.006	111	<.500	<.005	<.021	<.50	<.002	<5.00

DATE	ESTRONE WATER FLT REC. (UG/L) (62484)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUOR-ANTHENE DISSOLV (UG/L) (34377)	FLUORO-ANTHENE D10 SUR S2033/ 8033 WAT FLT PERCENT (99586)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	HHHMCP-BENZO-PYRAN, WATER, FLTERD REC (UG/L) (62075)	INDOLE, WATER, FLTERD REC (UG/L) (62076)	ISOBOR-NEOL, WATER, FLTERD REC (UG/L) (62077)	ISO-PHORONE DISSOLV (UG/L) (34409)	ISO-PROPYL BENZENE WATER, FLTERD REC (UG/L) (62078)	ISO-QUIN-OLINE, WATER, FLTERD REC (UG/L) (62079)
SEP													
06...	<5	<.009	<.005	E.01	118	<.003	94	<.50	<.50	<.50	<.50	<.50	<.50

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MENTHOL WATER, FLTERD REC (UG/L) (62080)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METHYL SALICY-LATE, WATER, FLTERD REC (UG/L) (62081)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	DEET, WATER, FLTERD REC (UG/L) (62082)	NAPHTH-ALENE DISSOLV (UG/L) (34443)
SEP													
06...	<.004	<.035	<.027	<.50	<.500	<.050	<.006	<.50	<.500	<.006	<.002	E.01	<.50

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NONYL-PHENOL, DIETHOX WATER, FLTERD REC (UG/L) (62083)	DI-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61705)	MONO-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61706)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-CRESOL, WATER, FLTERD REC (UG/L) (62084)	PARA-NONYL-PHENOL, WATER, FLTERD REC (UG/L) (62085)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PENTA-CHLORO-PHENOL DISSOLV (UG/L) (34459)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHENAN - THREN EDISSOL V(UG/L) (34462)
SEP													
06...	<.007	E1.10	<1.00	<1.00	<.003	<1.00	E.84	<.007	<.002	<.010	<2.0	<.006	E.01

DATE	PHENOL WATER FILTRD (UG/L) (34466)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PYRENE DISSOLV (UG/L) (34470)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	STIGMA-STANOL, WATER, FLTERD REC (UG/L) (62086)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
SEP													
06...	E.18	<.011	<.500	<.004	<.010	<.011	<.023	E.01	<.011	E.65	<.016	<.034	<.017

DATE	TETRA-CHLORO-ETHY-LENE DISSOLV (UG/L) (34476)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIBUTL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62089)	TRICLO-SAN, WATER, FLTERD REC (UG/L) (62090)	TRI-ETHYL CITRATE WATER, FLTERD REC (UG/L) (62091)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	TRIPHNL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE— PHOS-PHATE, WATER, FLTERD (UG/L) (62093)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	N-15 / N-14 STABLE ISOTOPE RATIO PER MIL (82084)
JAN													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
22...	--	--	--	--	--	--	--	--	--	--	--	--	7.00
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	<.50	<.005	<.50	<.50	<.002	<.50	<1.00	<.50	<.009	<.50	<.50	<1.00	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:
E -- Estimated value

Null value remark codes used in this report:
M -- Presence verified, not quantified

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

HILLSBOROUGH RIVER BASIN

02302000 CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°10'30", long 82°11'20", in $SE^1/_4$ sec.34, T.26 S., R.21 E., Pasco County, Hydrologic Unit 03100205, on left bank of Hillsborough River, 0.2 mi downstream from Crystal Springs, 2.0 mi west of village of Crystal Springs, and 4.0 mi south of Zephyrhills.

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

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

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to May 15, 1964, at present site at datum 34.67 ft higher. Prior to Sept. 30, 1983, auxiliary nonrecording gage on Hillsborough River 0.2 mi upstream from Crystal Springs; Oct. 1, 1983, to Sept. 30, 1984, recording gage at same site upstream. 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 downstream from and upstream from 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.--467 measurements (1923, 1933, 1934-2001), 53.9 ft^3/s, 34.8 mg/d.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 147 ft^3/s, July 19, 1941; minimum measured, 20 ft^3/s, July 1, 1946.

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Time	Hillsborough River Below Springs (cfs)	Hillsborough River Above Springs (cfs)	Difference or spring flow (cfs)
Oct. 24	1250	45	6.0	39
Nov. 27	1406	41	6.3	35
Jan. 26	1400	34	4.7	29
Feb. 20	1358	32	4.5	28
Mar. 22	1218	33	5.5	28
Apr. 18	1709	32	5.2	27
May 01	1040	31	5.2	26
May 29	1455	29	3.4	26
June 07	1245	35	7.7	27
July 26	1230	42	9.0	33
Aug. 24	1236	97	60	37

HILLSBOROUGH RIVER BASIN

02302280 ITCHEPACKESSA CREEK NEAR MORICZVILLE, FL

LOCATION.--Lat 28°07'29", long 82°06'47", in SE ¼ sec.21, T.27 S., R.22 E., Hillsborough County, Hydrologic Unit 03100205, on downstream side of wooden bridge, near left edge of water, 1.3 mi south of confluence with Blackwater Creek, about 2.0 mi east of State Highway 39, and about 3.5 mi northeast of Knights.
DRAINAGE AREA.--110 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 2000 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	e1.5	2.4	1.1	1.1	1.1	97	4.6	.00	50	59	10
2	18	e1.4	2.4	1.1	1.1	1.1	54	4.0	.00	47	89	11
3	16	e1.3	1.6	1.1	1.1	1.1	30	3.7	.00	20	173	10
4	15	e1.2	1.5	1.0	4.3	2.8	20	3.5	.00	12	202	9.6
5	14	e1.1	1.5	1.0	3.2	17	16	e2.0	.00	73	230	8.4
6	13	e1.0	1.2	1.0	2.5	4.6	14	e1.0	.00	88	276	9.2
7	13	e.97	1.3	.97	2.3	4.2	12	e.50	.00	41	318	49
8	10	e.93	1.2	.99	1.8	1.9	10	e.04	3.3	31	323	45
9	8.1	e.88	.94	4.9	1.7	.67	8.6	e.00	11	31	248	105
10	6.5	.80	.91	2.4	1.6	.18	7.5	e.00	7.1	61	199	114
11	6.0	.83	.88	2.2	1.5	.04	6.6	e.00	4.3	88	220	77
12	5.9	.77	1.0	2.0	1.5	.02	6.7	e.00	3.8	75	203	54
13	7.0	.76	.95	1.4	1.4	.02	8.5	e.00	3.4	53	227	42
14	6.9	.78	.87	1.2	1.4	.01	8.2	e.00	5.0	79	147	384
15	6.1	2.1	.87	1.1	1.3	.05	8.5	.00	29	161	99	643
16	6.0	2.4	.83	1.1	1.3	.09	7.4	.00	14	165	73	664
17	5.8	2.0	.88	1.0	1.3	.05	6.4	.00	6.8	95	61	642
18	5.7	.93	.88	.96	1.3	.04	6.0	.00	4.9	89	49	545
19	e5.2	.85	.89	.93	1.2	6.1	5.5	.00	5.7	86	39	353
20	e4.7	.87	.90	.98	1.2	36	5.5	.00	6.1	55	53	217
21	e4.0	.86	.86	1.0	1.2	25	5.0	.54	5.7	53	50	143
22	e3.7	.86	.86	.99	1.2	19	4.7	.86	4.9	68	46	106
23	e3.3	.85	.83	2.1	1.2	20	4.5	.04	12	85	31	90
24	e3.0	.83	.83	2.2	1.2	15	4.3	.00	9.8	122	24	77
25	e2.7	.79	.83	2.1	1.1	9.1	4.2	.00	11	110	21	208
26	e2.5	1.4	.80	1.4	1.1	8.0	4.2	.00	6.5	93	17	241
27	e2.3	9.4	.78	1.2	1.1	6.2	4.1	.00	6.8	87	14	158
28	e2.0	4.3	3.7	1.2	1.1	5.3	4.0	.00	19	56	10	121
29	e1.8	2.5	3.1	1.2	---	7.2	3.9	.00	19	66	9.1	98
30	e1.7	1.9	1.6	1.1	---	112	4.4	.00	20	80	12	79
31	e1.6	---	1.1	1.1	---	127	---	.00	---	49	13	---
TOTAL	219.5	47.06	39.19	44.02	43.3	430.87	381.7	20.78	219.10	2269	3535.1	5313.2
MEAN	7.08	1.57	1.26	1.42	1.55	13.9	12.7	.67	7.30	73.2	114	177
MAX	18	9.4	3.7	4.9	4.3	127	97	4.6	29	165	323	664
MIN	1.6	.76	.78	.93	1.1	.01	3.9	.00	.00	12	9.1	8.4
MED	5.9	.95	.91	1.1	1.3	4.2	6.6	.00	5.7	73	61	102

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2001, BY WATER YEAR (WY)

MEAN	7.08	1.57	1.26	1.42	1.55	13.9	12.7	.67	7.30	73.2	114	177
MAX	7.08	1.57	1.26	1.42	1.55	13.9	12.7	.67	7.30	73.2	114	177
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	7.08	1.57	1.26	1.42	1.55	13.9	12.7	.67	7.30	73.2	114	177
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**	
ANNUAL TOTAL			12562.82	
ANNUAL MEAN			34.4	
HIGHEST DAILY MEAN	138	Aug 14	664	Sep 16
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 4	.00	May 9
MAXIMUM PEAK FLOW			673	Sep 16
MAXIMUM PEAK STAGE			90.45	Sep 16
10 PERCENT EXCEEDS	30		96	
50 PERCENT EXCEEDS	3.5		4.0	
90 PERCENT EXCEEDS	.50		.07	

PERIOD OF RECORD.--Water year 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JAN													
24...	1030	84.43	2.2	20	9.5	8.2	1340	8.7	72.0	10.0	35.0	170	180
FEB													
07...	1115	84.43	2.5	--	--	8.4	586	13.8	--	--	--	--	--
08...	1145	84.41	1.8	--	--	8.0	662	14.4	--	--	--	--	--
MAY													
08...	1200	--	.04	50	--	7.4	400	21.3	34.0	5.20	12.0	31.0	37.0
JUL													
11...	0952	86.28	93	100	6.3	7.2	225	25.6	25.0	3.40	4.90	12.0	15.0
AUG													
08...	1001	88.54	332	160	4.4	7.2	191	27.3	22.0	3.50	5.20	9.6	12.0
SEP													
06...	1030	84.56	6.8	--	--	--	574	26.4	--	--	--	--	--
12...	1145	85.66	53	140	--	7.6	410	26.6	36.0	6.20	12.0	32.0	38.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TOTAL COLI-FORM, M ENDO MF, WTR (COL/ 100 ML) (31501)
JAN													
24...	.5	9.5	180	792	.70	.04	.6	<.01	.320	.380	9.7	8.9	1100
FEB													
07...	--	--	--	--	--	--	--	--	--	--	--	--	2500
08...	--	--	--	--	.75	.10	.2	<.01	.380	.450	--	--	--
MAY													
08...	.4	2.1	29.0	247	1.2	.21	.2	<.01	.520	.590	16	18	3200
JUL													
11...	.5	6.9	21.0	E156cl	1.4	.08	.6	.03	.540	.770	14	13	5300
AUG													
08...	.4	7.1	17.0	157	1.7	.17	.3	.03	.910	1.10	17	16	3100
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	.4	11.0	44.0	277	2.6	.17	.7	.05	.690	.840	19	19	2400

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JAN													
24...	640	1500	1	1.2	<.05	2.0	1.4	20	.20	<.10	1.00	180	26
FEB													
07...	2000	2100	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
08...	480	490	7	3.4	.10	<.00	.9	60	.10	<.10	<.80	86.0	4
JUL													
11...	3900	5600	48	5.4	<.05	3.3	1.8	160	.18	<.10	1.70	56.0	5
AUG													
08...	610	620	110	4.2	<.05	1.1	1.5	380	.16	<.10	1.40	48.0	7
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	630	1700	49	4.3	<.05	1.0	3.1	260	.23	<.10	2.00	92.0	32

02302280 ITCHEPACKESSA CREEK NEAR MORICZVILLE, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	1,4-DI-CHLORO-BENZENE DISSOLV (UG/L) (34572)	17A-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62052)	17B-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62053)	1METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62054)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	26DIMET NAPH-THALENE WATER, FLTERD REC (UG/L) (62055)	2METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62056)	3-BETA-COPRO-STANOL, WATER, FLTERD REC (UG/L) (62057)	3METHYL 1(H)-INDOLE, WATER, FLTERD REC (UG/L) (62058)	3-TERT-BHA, WATER, FLTERD REC (UG/L) (62059)	4-CUMYL PHENOL, WATER, FLTERD REC (UG/L) (62060)	4-OCTYL PHENOL, WATER, FLTERD REC (UG/L) (62061)	4-TERT-OCTYL-PHENOL, WATER, FLTERD REC (UG/L) (62062)
SEP 06...	<.50	<5.00	<5.00	<.50	<.002	<.50	<.50	E.38	<1.00	<5.00	<1.00	<1.00	E.02

DATE	5METHYL 1HBENZO TRIAZLE WATER, FLTERD REC (UG/L) (62063)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACETO-PHENONE WATER, FLTERD REC (UG/L) (62064)	AHT NAPH-THALENE WATER, FLTERD REC (UG/L) (62065)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ANTHRA-CENE DISSOLV (UG/L) (34221)	ANTHRA-QUINONE WATER, FLTERD REC (UG/L) (62066)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENZO-A-PYRENE DISSOLV (UG/L) (34248)	BENZO-PHENONE WATER, FLTERD REC (UG/L) (62067)	BETA-SITOS-TEROL, WATER, FLTERD REC (UG/L) (62068)
SEP 06...	<2.00	<.004	E.04	E.03	<.002	<.005	<.50	<.50	.029	<.010	<.50	E.03	E.81

DATE	BISPHE-NOL A, WATER, FLTERD REC (UG/L) (62069)	BISPHEN OL A-D3 SURRGTE S2033/ 8033 WAT FLT PERCENT (99583)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO-FORM DISSOLV (UG/L) (34288)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAFFE-INE-C13 SURRGTE S2033/ 8033 WAT FLT PERCENT (99584)	CAMPHOR WATER, FLTERD REC (UG/L) (62070)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBA-ZOLE, WATER, FLTERD REC (UG/L) (62071)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CHOLES-TEROL, WATER, FLTERD REC (UG/L) (62072)
SEP 06...	<1.00	126	E.25	E.01	<.002	E.045	116	<.50	<1.0	<.50	<.020	<.500	E.87

DATE	COT-ININE, WATER, FLTERD REC (UG/L) (62005)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DCFLBI-PHENYL, SURRGTE S2033/ 8033 WAT FLT PERCENT (99585)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	D-LIMO-NENE, WATER, FLTERD REC (UG/L) (62073)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	EQUILE-NIN, WATER, FLTERD REC (UG/L) (62074)	ESTRONE WATER FLT REC. (UG/L) (62484)
SEP 06...	<1.0	<.018	<.003	81.8	<.006	120	<.500	<.005	<.021	<.50	<.002	<5.00	<5

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUOR-ANTHENE DISSOLV (UG/L) (34377)	FLUORO-ANTHENE D10 SUR S2033/ 8033 WAT FLT PERCENT (99586)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	HHHMCP-BENZO-PYRAN, WATER, FLTERD REC (UG/L) (62075)	INDOLE, WATER, FLTERD REC (UG/L) (62076)	ISOBOR-NEOL, WATER, FLTERD REC (UG/L) (62077)	ISO-PHORONE DISSOLV (UG/L) (34409)	ISO-PROPYL BENZENE WATER, FLTERD REC (UG/L) (62078)	ISO-QUIN-OLINE, WATER, FLTERD REC (UG/L) (62079)	LINDANE DIS-SOLVED (UG/L) (39341)
SEP 06...	<.009	<.005	<.50	112	<.003	105	E.01	<.50	<.50	<.50	<.50	<.50	<.004

DATE	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MENTHOL WATER, FLTERD REC (UG/L) (62080)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METHYL SALICY-LATE, WATER, FLTERD REC (UG/L) (62081)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	DEET, WATER, FLTERD REC (UG/L) (62082)	NAPHTH-ALENE DISSOLV (UG/L) (34443)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
SEP 06...	<.035	<.027	<.50	<.500	<.050	<.006	<.50	<.500	<.006	<.002	E.08	<.50	<.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NONYL-PHENOL, DIETHOX WATER, FLTERD REC (UG/L) (62083)	DI-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61705)	MONO-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61706)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-CRESOL, WATER, FLTERD REC (UG/L) (62084)	PARA-NONYL-PHENOL, WATER, FLTERD REC (UG/L) (62085)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PENTA-CHLORO-PHENOL DISSOLV (UG/L) (34459)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHENAN - THREN EDISSOL V(UG/L) (34462)	PHENOL WATER FILTRD (UG/L) (34466)
SEP													
06...	E1.60	<1.00	<1.00	<.003	<1.00	E2.50	<.007	<.002	<.010	<2.0	<.006	<.50	.54

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PYRENE DISSOLV (UG/L) (34470)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	STIGMA-STANOL, WATER, FLTERD REC (UG/L) (62086)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TETRA-CHLORO-ETHY-LENE DISSOLV (UG/L) (34476)
SEP													
06...	<.011	<.500	<.004	<.010	<.011	<.023	<.50	<.011	E.66	E.060	<.034	<.017	<.50

DATE	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIBUTL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62089)	TRICLO-SAN, WATER, FLTERD REC (UG/L) (62090)	TRI-ETHYL CITRATE WATER, FLTERD REC (UG/L) (62091)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	TRIPHNL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE— PHOS-PHATE, WATER, FLTERD (UG/L) (62093)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	N-15 / N-14 STABLE ISOTOPE RATIO PER MIL (82084)
JAN												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
08...	--	--	--	--	--	--	--	--	--	--	--	7.10
JUL												
11...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
06...	<.005	E.05	E.07	<.002	E.09	<1.00	<.50	<.009	<.50	E.14	<1.00	--
12...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

HILLSBOROUGH RIVER BASIN

02302500 BLACKWATER CREEK NEAR KNIGHTS, FL

LOCATION.--Lat 28°08'25", long 82°09'00", in NW $\frac{1}{4}$ sec.18, T.27 S., R.22 E., Hillsborough County, Hydrologic Unit 03100205, on left bank, 0.2 mi upstream from State Highway 39, 1.8 mi downstream from Itchepackesassa Creek, 4.4 mi northwest of Knights, and 5.4 mi upstream from mouth.
DRAINAGE AREA.--110 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1951 to current year.
REVISED RECORDS.--WRD FL 1969: 1953 (P).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1984, at site 900 ft downstream at datum 70.56 ft higher; Oct. 1, 1984, to Sept. 30, 1987, at former site at present datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	1.1	.96	.42	.23	.01	110	3.0	e.00	35	62	5.6
2	26	.85	1.7	.17	.13	.01	52	2.8	e.00	42	102	5.2
3	23	.58	1.4	.10	.09	.00	22	2.1	e.00	19	206	4.3
4	20	.39	.87	.09	.11	.09	12	1.6	e.00	10	232	3.5
5	18	.29	.95	.05	4.5	7.0	8.7	1.1	e.00	51	251	3.0
6	17	.32	.93	.01	3.4	4.2	7.1	.62	.00	84	292	2.7
7	16	.82	.80	.06	3.2	3.1	6.2	.22	.00	40	344	24
8	14	.76	.91	.12	2.8	2.3	5.4	.05	.00	26	347	26
9	11	.50	1.0	.25	2.6	1.5	4.9	.00	.00	23	284	96
10	8.8	.35	1.0	3.9	2.4	1.0	4.6	.00	2.3	50	234	111
11	7.8	.26	.58	2.1	1.8	.76	4.3	.00	2.8	81	248	73
12	6.8	.19	.53	2.5	1.2	.57	4.4	.00	2.6	71	229	45
13	7.8	.10	.76	2.4	.81	.32	5.9	.00	2.0	50	329	31
14	8.1	.06	.87	1.8	.59	.23	7.0	.00	2.0	76	177	566
15	6.2	.03	.71	1.4	.49	.18	7.3	.00	14	163	123	1320
16	5.9	.35	.42	1.3	.43	.28	7.2	.00	13	165	92	1060
17	5.0	1.7	.27	1.1	.30	.55	5.9	.00	4.7	111	77	852
18	4.7	1.3	.17	1.0	.22	.45	5.1	.00	2.9	101	65	711
19	5.2	.47	.10	.76	.13	.86	4.5	.00	2.7	122	56	506
20	5.5	.18	.06	.66	.11	13	4.5	.00	3.4	76	62	322
21	5.5	.10	.01	.59	.09	7.9	4.0	.00	3.9	62	60	232
22	4.3	.03	.00	.49	.08	4.5	3.6	.00	2.8	64	58	186
23	3.2	.00	.00	.55	.07	4.5	3.2	.00	6.2	93	37	178
24	3.0	.00	.00	1.9	.05	3.5	3.0	.00	7.3	141	26	174
25	2.9	.00	.00	3.2	.04	1.7	2.8	.00	8.1	132	20	311
26	4.6	.01	.00	3.2	.03	1.1	2.9	.00	6.1	104	16	328
27	4.5	2.5	.00	1.9	.03	.70	2.6	.00	4.4	101	11	220
28	3.9	3.2	.00	1.2	.02	.43	2.3	.00	12	65	7.7	160
29	2.6	1.3	1.5	.74	---	.46	2.1	.00	13	65	6.4	133
30	1.8	.94	2.4	.57	---	94	1.8	e.00	13	88	6.5	111
31	1.4	---	1.2	.37	---	144	---	e.00	---	58	8.1	---
TOTAL	281.5	18.68	20.10	34.90	25.95	299.20	317.3	11.49	129.20	2369	4068.7	7800.3
MEAN	9.08	.62	.65	1.13	.93	9.65	10.6	.37	4.31	76.4	131	260
MAX	27	3.2	2.4	3.9	4.5	144	110	3.0	14	165	347	1320
MIN	1.4	.00	.00	.01	.02	.00	1.8	.00	.00	10	6.4	2.7
AC-FT	558	37	40	69	51	593	629	23	256	4700	8070	15470
CFSM	.08	.01	.01	.01	.01	.09	.10	.00	.04	.69	1.19	2.36
IN.	.10	.01	.01	.01	.01	.10	.11	.00	.04	.80	1.38	2.64

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	74.1	35.6	49.4	50.8	61.4	96.2	36.8	25.4	65.2	103	159	192
MAX	362	244	882	229	457	729	276	232	345	419	655	833
(WY)	1960	1998	1998	1964	1998	1960	1959	1957	1959	1991	1965	1960
MIN	5.92	.62	.65	1.13	.93	2.12	.86	.011	3.42	12.0	19.1	13.9
(WY)	1981	2001	2001	2001	2001	2000	1985	1985	1985	1989	1956	1972

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1952 - 2001**	
ANNUAL TOTAL	5070.91		15376.32			
ANNUAL MEAN	13.9		42.1		79.2	
HIGHEST ANNUAL MEAN					257	1960
LOWEST ANNUAL MEAN					18.3	2000
HIGHEST DAILY MEAN	234	Sep 18	1320	Sep 15	5080	Mar 18 1960
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 4	.00	Dec 22	.00	May 22 1977
MAXIMUM PEAK FLOW			1370	Sep 15	5400	Mar 18 1960
MAXIMUM PEAK STAGE			79.05	Sep 15	80.48	Sep 7 1988
ANNUAL RUNOFF (AC-FT)	10060		30500		57360	
ANNUAL RUNOFF (CFSM)	.13		.38		.72	
ANNUAL RUNOFF (INCHES)	1.71		5.20		9.78	
10 PERCENT EXCEEDS	32		111		183	
50 PERCENT EXCEEDS	3.6		2.7		24	
90 PERCENT EXCEEDS	.00		.00		5.1	

02302500 BLACKWATER CREEK NEAR KNIGHTS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.22	71.65	71.66	71.63	71.60	71.42	73.29	71.67	---	72.28	72.64	71.95
2	72.20	71.64	71.72	71.57	71.57	71.40	72.69	71.66	---	72.38	73.06	71.95
3	72.16	71.61	71.71	71.55	71.56	71.39	72.31	71.61	---	72.07	74.13	71.93
4	72.12	71.58	71.66	71.55	71.56	71.43	72.12	71.57	---	71.89	74.37	71.91
5	72.09	71.57	71.68	71.52	71.91	71.80	72.01	71.53	---	72.42	74.54	71.90
6	72.07	71.56	71.68	71.50	71.86	71.83	71.94	71.47	70.77	72.85	74.89	71.89
7	72.06	71.63	71.67	71.53	71.85	71.78	71.89	71.41	70.73	72.34	75.31	72.44
8	72.03	71.62	71.68	71.56	71.83	71.73	71.85	71.34	70.70	72.17	75.34	72.52
9	71.97	71.59	71.69	71.57	71.82	71.67	71.81	71.28	70.65	72.13	74.82	73.28
10	71.90	71.57	71.69	71.87	71.80	71.63	71.78	71.23	71.34	72.44	74.39	73.45
11	71.88	71.54	71.64	71.78	71.76	71.61	71.75	71.19	71.66	72.80	74.51	73.08
12	71.86	71.52	71.63	71.80	71.72	71.59	71.73	71.17	71.63	72.68	74.34	72.83
13	71.89	71.49	71.66	71.80	71.70	71.56	71.78	71.16	71.59	72.44	75.13	72.68
14	71.91	71.47	71.67	71.76	71.67	71.54	71.81	71.14	71.59	72.75	73.85	76.08
15	71.85	71.45	71.65	71.73	71.66	71.53	71.80	71.14	71.98	73.71	73.28	78.99
16	71.84	71.52	71.62	71.73	71.64	71.56	71.78	71.13	71.98	73.74	72.95	78.58
17	71.82	71.69	71.59	71.72	71.61	71.61	71.74	71.13	71.74	73.16	72.79	78.09
18	71.81	71.65	71.57	71.71	71.59	71.60	71.71	71.13	71.64	73.05	72.64	77.67
19	71.83	71.57	71.55	71.68	71.55	71.64	71.69	71.13	71.63	73.27	72.55	76.68
20	71.85	71.52	71.53	71.67	71.53	72.17	71.69	71.13	71.67	72.79	72.60	75.46
21	71.86	71.49	71.51	71.66	71.52	72.04	71.67	71.13	71.69	72.65	72.57	74.68
22	71.81	71.46	71.49	71.65	71.50	71.91	71.66	71.13	71.63	72.68	72.56	74.23
23	71.76	71.44	71.47	71.65	71.49	71.92	71.65	71.13	71.79	72.97	72.36	74.15
24	71.75	71.42	71.46	71.76	71.47	71.87	71.63	71.13	71.82	73.47	72.24	74.08
25	71.75	71.41	71.45	71.84	71.46	71.76	71.63	71.13	71.85	73.38	72.16	75.30
26	71.85	71.45	71.44	71.84	71.45	71.71	71.64	71.13	71.78	73.08	72.10	75.43
27	71.85	71.70	71.43	71.76	71.44	71.67	71.63	71.13	71.71	73.05	72.02	74.48
28	71.83	71.80	71.45	71.72	71.43	71.64	71.61	71.13	71.93	72.67	71.95	73.89
29	71.76	71.70	71.70	71.68	---	71.65	71.60	---	71.98	72.68	71.92	73.60
30	71.70	71.66	71.79	71.66	---	73.09	71.58	---	71.97	72.92	71.95	73.35
31	71.67	---	71.71	71.63	---	73.65	---	---	---	72.59	72.02	---
MEAN	71.90	71.57	71.61	71.68	71.63	71.79	71.85	71.26	71.58	72.76	73.29	74.22
MAX	72.22	71.80	71.79	71.87	71.91	73.65	73.29	71.67	71.98	73.74	75.34	78.99
MIN	71.67	71.41	71.43	71.50	71.43	71.39	71.58	71.13	70.65	71.89	71.92	71.89

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JAN													
24...	1215	71.79	2.1	30	6.4	7.7	506	10.9	53.0	7.80	9.10	31.0	48.0
FEB													
06...	1129	71.85	3.1	--	6.1	7.9	925	13.4	--	--	--	--	--
JUN													
21...	1030	71.71	4.2	30	--	8.0	1230	25.2	61.0	10.0	46.0	150	150
JUL													
11...	0855	72.88	89	100	7.0	7.2	211	25.5	21.0	3.10	5.40	13.0	16.0
AUG													
08...	0900	75.40	355	200	5.7	6.8	182	27.4	22.0	3.40	4.80	9.0	9.2
SEP													
06...	0945	71.86	2.1	--	--	--	--	--	--	--	--	--	--
12...	1245	72.82	45	200	--	7.6	365	24.1	35.0	6.10	9.60	26.0	32.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TOTAL COLI-FORM, M ENDO MF, WTR (COL/ 100 ML) (31501)
JAN													
24...	.4	1.3	41.0	293	.65	.05	<.02	<.01	.350	.400	9.3	8.4	170
FEB													
06...	--	--	--	--	.72	.03	<.02	<.01	.360	.360	--	--	230
JUN													
21...	.5	2.7	190	745	1.1	.07	.2	<.01	.370	.400	11	11	--
JUL													
11...	.4	5.6	21.0	E148cl	1.4	.10	.6	.02	.540	.700	15	14	9300
AUG													
08...	.3	7.1	13.0	126	1.6	.10	.3	.03	.930	1.10	18	17	3900
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	.4	12.0	36.0	E259cl	1.7	.12	.5	.03	.700	.840	25	25	2800

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ALGAE, FLOAT-ING MATS (SEVER-ITY) (01325)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
JAN													
24...	27	47	1	3	1.1	<.05	1.0	1.4	40	.10	<.10	.30	130
FEB													
06...	120	58	.0	--	--	--	--	--	--	--	--	--	--
JUN													
21...	--	--	--	13	2.9	.80	4.0	1.4	50	<.05	<.10	5.10	210
JUL													
11...	7900	3500	.0	54	4.8	<.05	2.7	1.6	170	.23	<.10	1.60	48.0
AUG													
08...	370	1000	.0	110	4.4	<.05	1.1	1.5	380	.33	<.10	1.60	48.0
SEP													
06...	--	--	.0	--	--	--	--	--	--	--	--	--	--
12...	400	1000	.0	110	3.6	<.05	.8	1.2	290	.26	<.10	1.90	88.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	1,4-DI-CHLORO-BENZENE DISSOLV (UG/L) (34572)	17A-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62052)	17B-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62053)	1METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62054)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	26DIMET NAPH-THALENE WATER, FLTERD REC (UG/L) (62055)	2METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62056)	3-BETA-COPRO-STANOL, WATER, FLTERD REC (UG/L) (62057)	3METHYL 1(H)-INDOLE, WATER, FLTERD REC (UG/L) (62058)	3-TERT-BHA, WATER, FLTERD REC (UG/L) (62059)	4-CUMYL PHENOL, WATER, FLTERD REC (UG/L) (62060)	4-OCTYL PHENOL, WATER, FLTERD REC (UG/L) (62061)
JAN													
24...	4	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
21...	12	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
11...	4	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
08...	8	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	--	<.50	<5.00	<5.00	<.50	<.002	<.50	<.50	<2.00	<1.00	<5.00	<1.00	<1.00
12...	8	--	--	--	--	--	--	--	--	--	--	--	--

DATE	4-TERT-OCTYL-PHENOL, WATER, FLTERD REC (UG/L) (62062)	5METHYL 1HBENZO TRIAZLE WATER, FLTERD REC (UG/L) (62063)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACETO-PHENONE WATER, FLTERD REC (UG/L) (62064)	AHT NAPH-THALENE WATER, FLTERD REC (UG/L) (62065)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ANTHRA-CENE DISSOLV (UG/L) (34221)	ANTHRA-QUINONE WATER, FLTERD REC (UG/L) (62066)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENZO-A-PYRENE DISSOLV (UG/L) (34248)	BENZO-PHENONE WATER, FLTERD REC (UG/L) (62067)
SEP													
06...	<1.00	<2.00	<.004	<.50	<.50	<.002	<.005	<.50	<.50	.037	<.010	<.50	E.02

DATE	BETA-SITOS-TEROL, WATER, FLTERD REC (UG/L) (62068)	BISPHE-NOL A, WATER, FLTERD REC (UG/L) (62069)	BISPHEN OL A-D3 SURRGTE S2033/ 8033 WAT FLT PERCENT (99583)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO-FORM DISSOLV (UG/L) (34288)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAFFE-INE-C13 SURRGTE S2033/ 8033 WAT FLT PERCENT (99584)	CAMPHOR WATER, FLTERD REC (UG/L) (62070)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBA-ZOLE, WATER, FLTERD REC (UG/L) (62071)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
SEP													
06...	<2.00	<1.00	111	E.22	<.50	<.002	E.055	121	<.50	<1.0	<.50	<.020	<.500

DATE	CHOLES-TEROL, WATER, FLTERD REC (UG/L) (62072)	COT-ININE, WATER, FLTERD REC (UG/L) (62005)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DCFLBI-PHENYL, SURRGTE S2033/ 8033 WAT FLT PERCENT (99585)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	D-LIMO-NENE, WATER, FLTERD REC (UG/L) (62073)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	EQUILE-NIN, WATER, FLTERD REC (UG/L) (62074)
SEP													
06...	E.63	<1.0	<.018	<.003	98.5	<.006	117	<.500	<.005	<.021	<.50	<.002	<5.00

DATE	ESTRONE WATER FLT REC. (UG/L) (62484)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUOR-ANTHENE DISSOLV (UG/L) (34377)	FLUORO-ANTHENE D10 SUR S2033/ 8033 WAT FLT PERCENT (99586)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	HHHMCP-BENZO-PYRAN, WATER, FLTERD REC (UG/L) (62075)	INDOLE, WATER, FLTERD REC (UG/L) (62076)	ISOBOR-NEOL, WATER, FLTERD REC (UG/L) (62077)	ISO-PHORONE DISSOLV (UG/L) (34409)	ISO-PROPYL BENZENE WATER, FLTERD REC (UG/L) (62078)	ISO-QUIN-OLINE, WATER, FLTERD REC (UG/L) (62079)
SEP													
06...	<5	<.009	<.005	<.50	109	<.003	101	E.01	<.50	<.50	<.50	<.50	<.50

DATE	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MENTHOL WATER, FLTERD REC (UG/L) (62080)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METHYL SALICY-LATE, WATER, FLTERD REC (UG/L) (62081)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	DEET, WATER, FLTERD REC (UG/L) (62082)	NAPHTH-ALENE DISSOLV (UG/L) (34443)
SEP													
06...	<.004	<.035	<.027	<.50	<.500	<.050	<.006	<.50	<.500	<.006	<.002	E.11	<.50

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NONYL-PHENOL, DIETHOX WATER, FLTERD REC (UG/L) (62083)	DI-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61705)	MONO-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61706)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-CRESOL, WATER, FLTERD REC (UG/L) (62084)	PARA-NONYL-PHENOL, WATER, FLTERD REC (UG/L) (62085)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PENTA-CHLORO-PHENOL DISSOLV (UG/L) (34459)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHENAN - THREN EDISSOL V(UG/L) (34462)
SEP													
06...	<.007	<5.00	<1.00	<1.00	<.003	<1.00	<5.00	<.007	<.002	<.010	<2.0	<.006	<.50

DATE	PHENOL WATER FILTRD (UG/L) (34466)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PYRENE DISSOLV (UG/L) (34470)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	STIGMA-STANOL, WATER, FLTERD REC (UG/L) (62086)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
SEP													
06...	E.36	<.011	<.500	<.004	<.010	<.011	<.023	<.50	<.011	<2.00	E.045	<.034	<.017

DATE	TETRA-CHLORO-ETHY-LENE DISSOLV (UG/L) (34476)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIBUTL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62089)	TRICLO-SAN, WATER, FLTERD REC (UG/L) (62090)	TRI-ETHYL CITRATE WATER, FLTERD REC (UG/L) (62091)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	TRIPHNL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE— PHOS-PHATE, WATER, FLTERD (UG/L) (62093)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	N-15 / N-14 STABLE ISOTOPE RATIO PER MIL (82084)
JAN													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
21...	--	--	--	--	--	--	--	--	--	--	--	--	7.10
JUL													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	<.50	<.005	E.08	E.08	<.002	E.12	<1.00	<.50	<.009	<.50	E.11	<1.00	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°08'59", long 82°13'57", in SW ¼ sec.8, T.27 S., R.21 E., Hillsborough County, Hydrologic Unit 03100205, on left bank 10 ft upstream from footbridge in Hillsborough River State Park, 1.2 mi downstream from Blackwater Creek, 6.5 mi southwest of Zephyrhills, and 40 mi upstream from mouth.
DRAINAGE AREA.--220 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1304.
REVISED RECORDS.--WSP 1234: Drainage area. WRD FL-93-3A: 1992 (M)(m).
GAGE.--Water-stage recorder. Datum of gage is 33.28 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Mar. 22, 1963, nonrecording gage at site 40 ft downstream at same datum; Mar. 22, 1963 to Aug. 1, 1995, at site 40 ft downstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Records include high-water diversions upstream from station from the Withlacoochee River basin through Withlacoochee-Hillsborough overflow near Richland (station 02311000).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	45	39	40	40	32	175	35	31	55	158	102
2	80	44	40	39	39	32	122	32	31	75	185	87
3	78	43	40	39	37	32	85	33	30	59	298	82
4	75	45	39	39	39	37	70	37	28	45	289	77
5	74	45	37	40	40	38	63	36	30	51	308	83
6	72	44	37	42	41	45	59	34	32	102	414	84
7	71	44	38	42	40	43	56	32	43	82	422	177
8	68	44	40	45	42	e41	54	31	38	61	418	202
9	64	45	43	41	43	e40	53	31	34	57	373	272
10	60	46	44	37	43	e40	51	31	32	67	343	283
11	57	41	43	40	42	e39	51	31	31	95	361	289
12	56	40	43	44	39	38	48	31	30	99	355	327
13	56	40	41	43	38	39	48	30	31	84	512	335
14	57	43	42	44	37	40	51	30	32	86	351	1310
15	56	41	43	43	37	39	51	30	37	161	259	3070
16	52	39	43	42	37	38	48	29	53	185	211	3200
17	51	42	42	41	37	37	44	29	43	171	195	2820
18	50	44	38	40	36	37	40	28	36	149	184	2440
19	48	45	38	42	35	44	39	28	33	151	178	1960
20	49	40	38	39	35	56	39	28	32	123	172	1500
21	50	37	38	36	35	61	40	28	33	96	175	1280
22	49	37	38	35	34	53	40	28	34	100	173	1190
23	47	37	39	35	34	49	39	28	33	121	158	1470
24	48	40	41	34	35	49	39	27	40	155	148	1150
25	48	43	40	34	34	46	39	28	39	172	142	1260
26	47	44	40	36	32	42	35	29	38	140	132	1190
27	47	41	43	38	32	39	34	28	33	140	118	1010
28	46	43	44	39	31	38	34	30	32	113	103	833
29	47	42	40	41	---	44	35	30	47	94	92	701
30	46	40	39	39	---	99	35	e31	50	115	90	593
31	46	---	41	40	---	184	---	e31	---	113	105	---
TOTAL	1778	1264	1251	1229	1044	1491	1617	944	1066	3317	7422	29377
MEAN	57.4	42.1	40.4	39.6	37.3	48.1	53.9	30.5	35.5	107	239	979
MAX	83	46	44	45	43	184	175	37	53	185	512	3200
MIN	46	37	37	34	31	32	34	27	28	45	90	77
MED	52	43	40	40	37	40	48	30	33	100	185	767
CFSM	.26	.19	.18	.18	.17	.22	.25	.14	.16	.49	1.09	4.45
IN.	.30	.21	.21	.21	.18	.25	.27	.16	.18	.56	1.25	4.97

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	258	135	162	174	187	275	171	98.4	174	302	435	534
MAX	944	512	2234	868	1247	2093	942	333	849	1959	1468	2280
(WY)	1960	1998	1998	1948	1998	1960	1941	1957	1959	1945	1945	1960
MIN	57.4	42.1	40.4	39.6	37.3	47.4	43.7	30.5	33.0	57.5	83.0	91.9
(WY)	2001	2001	2001	2001	2001	2000	2000	2001	2000	2000	1956	1978

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1940 - 2001**	
ANNUAL TOTAL	20993		51800			
ANNUAL MEAN	57.4		142		242	
HIGHEST ANNUAL MEAN					745	1960
LOWEST ANNUAL MEAN					64.9	2000
HIGHEST DAILY MEAN	266	Sep 18	3200	Sep 16	12300	Mar 18 1960
LOWEST DAILY MEAN	27	Jun 5	27	May 24	27	Jun 5 2000
ANNUAL SEVEN-DAY MINIMUM	28	Jun 4	28	May 18	28	Jun 4 2000
MAXIMUM PEAK FLOW			3390	Sep 15	12600	Mar 18 1960
MAXIMUM PEAK STAGE			11.76	Sep 15	15.33	Mar 18 1960
ANNUAL RUNOFF (CFSM)	.26		.65		1.10	
ANNUAL RUNOFF (INCHES)	3.55		8.76		14.97	
10 PERCENT EXCEEDS	81		206		519	
50 PERCENT EXCEEDS	48		43		114	
90 PERCENT EXCEEDS	34		32		66	

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.94	.56	.55	.58	.57	.44	1.66	.44	.37	.72	1.65	1.11
2	.91	.55	.55	.57	.56	.44	1.26	.41	.37	.92	1.82	.98
3	.89	.55	.56	.57	.54	.45	.95	.42	.36	.76	2.60	.93
4	.87	.56	.55	.57	.55	.50	.81	.45	.34	.62	2.54	.89
5	.86	.57	.54	.58	.56	.50	.74	.44	.37	.68	2.65	.94
6	.84	.56	.53	.60	.57	.58	.70	.43	.40	1.17	3.28	.95
7	.83	.56	.54	.60	.56	.56	.67	.40	.52	.99	3.33	1.69
8	.80	.57	.57	.64	.58	---	.65	.38	.47	.80	3.30	1.86
9	.76	.57	.60	.59	.60	---	.64	.38	.43	.76	3.04	2.33
10	.72	.59	.61	.55	.59	---	.62	.37	.41	.86	2.85	2.40
11	.69	.54	.62	.58	.58	---	.62	.37	.40	1.12	2.95	2.44
12	.68	.53	.62	.62	.55	.50	.59	.37	.39	1.16	2.91	2.68
13	.68	.53	.60	.62	.54	.51	.58	.36	.40	1.03	3.76	2.72
14	.69	.57	.60	.62	.52	.52	.62	.36	.42	1.05	2.87	6.76
15	.68	.54	.62	.62	.53	.51	.61	.36	.47	1.66	2.30	11.32
16	.64	.52	.62	.60	.52	.50	.59	.36	.66	1.84	1.97	11.52
17	.63	.56	.61	.58	.51	.48	.54	.34	.55	1.74	1.86	10.99
18	.62	.59	.57	.57	.50	.48	.50	.34	.47	1.57	1.77	10.38
19	.60	.60	.57	.59	.49	.57	.49	.34	.44	1.60	1.72	9.31
20	.61	.54	.57	.56	.49	.69	.49	.33	.44	1.38	1.68	8.00
21	.62	.51	.56	.52	.49	.73	.50	.33	.44	1.16	1.68	7.21
22	.61	.50	.57	.51	.49	.65	.50	.32	.46	1.19	1.66	6.83
23	.59	.51	.58	.51	.48	.61	.49	.33	.46	1.36	1.55	7.87
24	.59	.56	.60	.51	.49	.61	.49	.32	.54	1.63	1.46	6.70
25	.59	.59	.59	.50	.47	.58	.49	.32	.53	1.76	1.42	7.12
26	.59	.60	.59	.52	.45	.54	.45	.34	.52	1.52	1.34	6.87
27	.59	.56	.63	.55	.44	.50	.43	.33	.47	1.51	1.23	6.09
28	.58	.58	.63	.56	.44	.48	.43	.35	.46	1.30	1.10	5.31
29	.58	.58	.58	.58	---	.55	.44	.36	.62	1.14	1.01	4.69
30	.57	.56	.57	.56	---	1.06	.44	---	.66	1.32	.99	4.15
31	.57	---	.59	.57	---	1.73	---	---	---	1.30	1.12	---
MEAN	.69	.56	.58	.57	.52	.60	.63	.37	.46	1.21	2.11	5.10
MAX	.94	.60	.63	.64	.60	1.73	1.66	.45	.66	1.84	3.76	11.52
MIN	.57	.50	.53	.50	.44	.44	.43	.32	.34	.62	.99	.89

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance, temperature, dissolved oxygen, and pH probes located near the surface.
REMARKS.--Interruptions in record were due to malfunctions of the instruments. Specific conduudctance records good, temperature records excellent, dissolved oxygen records poor, and pH records good.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Maximum, 655 microsiemens, Mar. 31; minimum, 92 microsiemens, Sept. 15.
PH UNITS.--Maximum, 8.2 standard units, May 10-13, 17-22, 24, 26-27; minimum, 6.7 standard units, Sept. 15, 16.
TEMPERATURE.--Maximum, 27.4°C, Aug. 9; minimum, 17.2°C, Mar. 8.
DISSOLVED QXYGEN.--Maximum, 10.1 mg/L, May 12; minimum, 3.2 mg/L, Sept. 28.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	367	363
2	---	---	---	---	---	---	---	---	---	---	366	363
3	---	---	---	---	---	---	---	---	---	---	366	363
4	---	---	---	---	---	---	---	---	---	---	366	357
5	---	---	---	---	---	---	---	---	---	---	360	358
6	---	---	---	---	---	---	---	---	---	---	419	359
7	---	---	---	---	---	---	---	---	---	---	418	395
8	---	---	---	---	---	---	---	---	---	---	395	390
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	377	375
13	---	---	---	---	---	---	---	---	---	---	377	373
14	---	---	---	---	---	---	---	---	373	372	374	372
15	---	---	---	---	---	---	---	---	373	371	374	373
16	---	---	---	---	---	---	---	---	372	369	373	372
17	---	---	---	---	---	---	---	---	371	369	373	370
18	---	---	---	---	---	---	---	---	370	368	372	369
19	---	---	---	---	---	---	---	---	370	367	369	360
20	---	---	---	---	---	---	---	---	368	366	390	361
21	---	---	---	---	---	---	---	---	369	365	424	390
22	---	---	---	---	---	---	---	---	367	364	455	397
23	---	---	---	---	---	---	---	---	368	365	516	455
24	---	---	---	---	---	---	---	---	367	365	458	386
25	---	---	---	---	---	---	---	---	367	364	386	363
26	---	---	---	---	---	---	---	---	367	365	364	360
27	---	---	---	---	---	---	---	---	368	365	362	360
28	---	---	---	---	---	---	---	---	368	365	362	360
29	---	---	---	---	---	---	---	---	---	---	362	348
30	---	---	---	---	---	---	---	---	---	---	592	346
31	---	---	---	---	---	---	---	---	---	---	655	301
MONTH	---	---	---	---	---	---	---	---	373	364	655	301

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	332	302	363	358	355	346	504	429	291	210	358	315
2	335	320	362	359	353	351	458	389	327	226	385	358
3	343	329	362	360	358	348	430	364	257	222	425	385
4	355	342	362	359	358	355	364	347	231	219	435	418
5	363	355	362	359	356	343	348	335	231	201	420	385
6	370	362	361	358	351	339	409	261	202	189	398	374
7	376	369	361	356	346	334	316	270	210	185	390	309
8	380	374	359	356	375	337	322	313	210	186	344	276
9	382	378	359	355	375	366	356	311	235	210	299	249
10	387	379	359	354	377	361	364	317	227	213	299	270
11	390	380	358	354	363	360	317	272	222	205	274	248
12	399	386	358	353	361	359	290	264	237	209	251	247
13	403	397	358	354	362	359	310	290	239	172	255	248
14	405	402	358	354	362	351	321	305	231	210	249	107
15	404	399	358	355	357	350	379	232	262	231	108	92
16	400	396	359	354	375	350	234	225	290	262	111	95
17	399	398	359	355	404	367	263	227	296	290	115	111
18	399	395	359	354	460	404	338	248	328	296	127	114
19	395	392	359	354	461	447	345	317	338	325	133	126
20	393	388	359	353	447	424	331	298	342	328	128	118
21	392	386	358	350	425	403	359	324	342	305	120	116
22	392	390	357	351	403	390	371	359	320	304	123	113
23	392	385	357	352	390	380	375	331	319	307	116	101
24	385	379	357	353	411	378	331	298	315	310	134	116
25	380	375	357	353	413	410	298	271	316	312	135	121
26	375	370	356	351	441	412	305	271	324	315	138	127
27	371	366	356	353	445	437	325	305	335	323	152	138
28	368	363	356	346	437	425	352	324	342	335	166	152
29	365	362	353	346	619	425	382	352	348	342	179	166
30	363	360	354	351	610	504	393	320	360	343	195	179
31	---	---	---	---	---	---	320	262	363	320	---	---
MONTH	405	302	363	346	619	334	504	225	363	172	435	92
YEAR	655	92										

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	7.9	7.7
2	---	---	---	---	---	---	---	---	---	---	7.9	7.7
3	---	---	---	---	---	---	---	---	---	---	7.9	7.7
4	---	---	---	---	---	---	---	---	---	---	7.7	7.6
5	---	---	---	---	---	---	---	---	---	---	7.7	7.6
6	---	---	---	---	---	---	---	---	---	---	7.8	7.6
7	---	---	---	---	---	---	---	---	---	---	7.8	7.6
8	---	---	---	---	---	---	---	---	---	---	7.8	7.7
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	8.0	7.8
13	---	---	---	---	---	---	---	---	---	---	7.8	7.8
14	---	---	---	---	---	---	---	---	7.9	7.8	7.8	7.7
15	---	---	---	---	---	---	---	---	7.8	7.7	7.8	7.7
16	---	---	---	---	---	---	---	---	7.9	7.7	7.9	7.8
17	---	---	---	---	---	---	---	---	7.8	7.7	7.8	7.7
18	---	---	---	---	---	---	---	---	7.8	7.7	7.8	7.7
19	---	---	---	---	---	---	---	---	7.9	7.7	7.8	7.8
20	---	---	---	---	---	---	---	---	7.9	7.7	7.8	7.6
21	---	---	---	---	---	---	---	---	7.9	7.7	7.6	7.5
22	---	---	---	---	---	---	---	---	7.9	7.7	7.7	7.6
23	---	---	---	---	---	---	---	---	7.9	7.7	7.8	7.7
24	---	---	---	---	---	---	---	---	7.9	7.7	7.8	7.7
25	---	---	---	---	---	---	---	---	7.8	7.7	7.8	7.7
26	---	---	---	---	---	---	---	---	7.8	7.7	7.8	7.7
27	---	---	---	---	---	---	---	---	7.8	7.7	7.9	7.8
28	---	---	---	---	---	---	---	---	7.8	7.7	7.9	7.8
29	---	---	---	---	---	---	---	---	---	---	7.8	7.8
30	---	---	---	---	---	---	---	---	---	---	7.8	7.4
31	---	---	---	---	---	---	---	---	---	---	7.5	7.3
MONTH	---	---	---	---	---	---	---	---	7.9	7.7	8.0	7.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	7.3	7.8	7.6	7.8	7.8	7.7	7.6	7.7	7.4	7.5	7.5
2	7.4	7.3	7.8	7.6	7.9	7.7	7.6	7.5	7.5	7.3	7.6	7.5
3	7.5	7.4	7.8	7.6	7.9	7.7	7.6	7.5	7.3	7.2	7.6	7.6
4	7.5	7.5	7.9	7.7	7.9	7.8	7.7	7.5	7.2	7.2	7.6	7.6
5	7.6	7.5	7.9	7.7	7.9	7.8	7.6	7.5	7.3	7.2	7.7	7.6
6	7.6	7.5	7.9	7.7	7.9	7.7	7.5	7.3	7.2	7.0	7.7	7.6
7	7.6	7.6	8.1	7.7	7.9	7.7	7.5	7.3	7.0	7.0	7.7	7.4
8	7.6	7.6	8.0	7.8	7.7	7.4	7.5	7.4	7.0	7.0	7.5	7.4
9	7.7	7.6	8.1	7.8	7.7	7.6	7.5	7.5	7.1	7.0	7.4	7.3
10	7.7	7.6	8.2	7.9	7.8	7.6	7.5	7.5	7.1	7.0	7.4	7.3
11	7.7	7.6	8.2	7.6	7.8	7.6	7.5	7.4	7.1	7.0	7.4	7.3
12	7.7	7.6	8.2	7.9	7.8	7.6	7.5	7.4	7.1	7.0	7.3	7.3
13	7.8	7.6	8.2	7.9	7.8	7.6	7.5	7.4	7.1	6.9	7.3	7.3
14	7.8	7.7	8.1	7.9	7.8	7.6	7.5	7.4	7.1	7.0	7.3	6.8
15	7.7	7.5	8.1	7.9	7.9	7.6	7.4	7.4	7.2	7.1	6.8	6.7
16	7.7	7.6	8.1	7.8	7.8	7.6	7.4	7.3	7.2	7.2	6.8	6.7
17	7.8	7.6	8.2	7.9	7.8	7.7	7.4	7.3	7.2	7.2	6.8	6.8
18	7.8	7.6	8.2	7.9	7.9	7.7	7.3	7.2	7.3	7.2	6.9	6.8
19	7.9	7.7	8.2	7.9	7.9	7.8	7.3	7.3	7.3	7.3	6.9	6.9
20	7.9	7.7	8.2	7.9	8.0	7.8	7.4	7.3	7.3	7.3	6.9	6.9
21	7.9	7.6	8.2	7.9	8.0	7.8	7.4	7.4	7.3	7.3	7.0	6.9
22	7.8	7.6	8.2	7.9	7.9	7.6	7.4	7.4	7.3	7.3	7.0	7.0
23	7.8	7.6	8.1	7.9	7.8	7.8	7.5	7.4	7.4	7.3	7.0	6.9
24	7.8	7.6	8.2	7.9	7.8	7.7	7.4	7.4	7.4	7.3	7.0	6.9
25	7.7	7.6	8.1	7.9	7.9	7.7	7.4	7.4	7.4	7.4	7.0	6.9
26	7.8	7.6	8.2	7.9	7.8	7.7	7.4	7.4	7.4	7.4	7.0	7.0
27	7.9	7.6	8.2	7.9	7.8	7.7	7.5	7.4	7.5	7.4	7.1	7.0
28	7.9	7.6	8.1	7.9	7.8	7.7	7.5	7.5	7.5	7.5	7.1	7.1
29	7.9	7.7	8.1	7.9	7.7	7.5	7.5	7.5	7.5	7.5	7.2	7.1
30	7.9	7.7	8.0	7.8	7.7	7.6	7.5	7.5	7.6	7.5	7.2	7.2
31	---	---	---	---	---	---	7.7	7.4	7.6	7.5	---	---
MONTH	7.9	7.3	8.2	7.6	8.0	7.4	7.7	7.2	7.7	6.9	7.7	6.7
YEAR	8.2	6.7										

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	22.7	22.0
2	---	---	---	---	---	---	---	---	---	---	22.9	22.1
3	---	---	---	---	---	---	---	---	---	---	23.3	22.3
4	---	---	---	---	---	---	---	---	---	---	22.9	22.2
5	---	---	---	---	---	---	---	---	---	---	22.2	20.5
6	---	---	---	---	---	---	---	---	---	---	20.5	18.6
7	---	---	---	---	---	---	---	---	---	---	18.6	17.7
8	---	---	---	---	---	---	---	---	---	---	17.7	17.2
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	21.2	20.5
13	---	---	---	---	---	---	---	---	---	---	21.9	21.0
14	---	---	---	---	---	---	---	---	22.8	22.5	22.3	21.9
15	---	---	---	---	---	---	---	---	22.7	22.1	22.0	21.9
16	---	---	---	---	---	---	---	---	22.6	21.9	23.2	23.1
17	---	---	---	---	---	---	---	---	22.1	21.6	23.1	22.3
18	---	---	---	---	---	---	---	---	21.6	20.8	22.3	20.7
19	---	---	---	---	---	---	---	---	20.8	20.1	20.7	20.5
20	---	---	---	---	---	---	---	---	20.9	20.1	21.2	20.5
21	---	---	---	---	---	---	---	---	21.4	20.6	20.5	18.9
22	---	---	---	---	---	---	---	---	21.8	21.2	19.3	18.4
23	---	---	---	---	---	---	---	---	21.9	21.3	19.5	18.2
24	---	---	---	---	---	---	---	---	22.2	21.5	19.8	18.5
25	---	---	---	---	---	---	---	---	22.7	22.0	20.2	19.2
26	---	---	---	---	---	---	---	---	23.1	22.5	20.5	20.0
27	---	---	---	---	---	---	---	---	23.1	22.4	20.2	19.4
28	---	---	---	---	---	---	---	---	23.0	22.2	19.8	19.0
29	---	---	---	---	---	---	---	---	---	---	20.3	19.7
30	---	---	---	---	---	---	---	---	---	---	21.1	19.0
31	---	---	---	---	---	---	---	---	---	---	20.8	19.0
MONTH	---	---	---	---	---	---	---	---	23.1	20.1	23.3	17.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.9	20.4	22.5	21.7	24.8	24.1	25.5	24.2	25.8	24.6	25.3	24.7
2	20.5	19.8	22.6	22.0	25.1	23.7	26.0	24.6	24.9	23.9	25.6	24.9
3	20.7	19.4	22.4	21.9	25.4	24.1	26.5	25.3	24.3	23.8	25.9	24.9
4	21.2	20.1	22.7	21.7	25.9	24.7	26.5	25.6	24.9	24.2	25.7	25.0
5	21.8	20.7	23.1	22.0	26.0	24.8	25.9	25.2	25.2	24.7	25.4	24.7
6	22.3	21.3	23.4	22.4	25.6	24.6	25.9	25.3	25.6	24.7	25.5	24.6
7	22.6	21.6	23.3	22.3	25.3	24.4	26.2	25.3	26.0	25.3	24.8	24.5
8	23.0	22.0	23.1	22.5	25.4	24.4	26.0	25.3	27.2	25.8	25.0	24.6
9	23.6	22.4	23.1	22.3	25.6	24.8	25.9	25.3	27.4	26.6	25.2	24.8
10	23.6	22.5	22.8	21.9	25.8	25.1	25.7	25.1	26.6	25.8	25.5	25.2
11	23.6	22.6	22.9	21.9	25.9	25.1	25.5	25.1	26.4	25.4	25.5	25.2
12	23.6	22.9	23.3	22.0	26.0	25.3	25.8	25.0	26.7	25.8	25.5	25.2
13	24.1	23.1	23.6	22.4	26.2	25.4	26.1	25.5	26.6	25.7	25.3	24.7
14	24.4	23.4	23.9	22.7	25.9	25.1	25.9	25.4	27.0	26.3	24.7	22.5
15	24.5	23.6	23.9	23.0	25.1	24.5	25.8	25.4	26.7	26.4	22.5	22.2
16	24.2	23.5	24.4	23.0	25.1	23.9	26.0	25.2	26.4	26.0	22.7	21.9
17	23.6	22.5	24.6	23.2	25.3	24.4	26.0	25.3	26.4	25.9	23.5	22.6
18	22.6	20.6	24.5	23.3	25.6	24.6	25.7	25.3	26.7	26.2	24.3	23.5
19	20.6	19.6	24.5	23.1	25.4	24.8	26.1	25.4	26.4	26.0	24.9	24.2
20	20.5	19.4	24.2	22.8	25.5	24.6	26.2	25.6	26.1	25.7	25.1	24.6
21	21.6	20.4	24.1	22.7	25.8	25.0	26.1	25.6	26.0	25.5	25.4	24.7
22	22.3	21.3	24.7	23.2	25.2	24.4	26.0	25.4	26.0	25.3	25.8	25.0
23	22.9	22.0	25.5	24.1	24.4	23.6	25.8	25.3	25.9	25.4	25.5	24.6
24	23.4	22.6	25.5	24.3	23.8	23.5	25.4	25.0	25.9	25.3	25.6	25.1
25	23.1	22.7	25.1	24.0	24.6	23.3	26.0	25.1	25.9	25.4	25.5	24.9
26	23.1	22.2	25.2	23.8	25.3	23.9	26.2	25.6	25.8	25.3	25.2	24.5
27	22.5	21.5	25.1	23.5	25.0	24.6	26.1	25.6	25.4	25.0	24.5	24.1
28	21.9	21.2	24.4	23.5	24.8	24.5	26.2	25.4	25.5	24.9	24.2	24.0
29	22.1	21.4	24.8	23.4	24.6	24.2	26.5	25.4	25.7	25.1	24.2	23.4
30	22.1	21.6	24.3	23.9	24.9	24.0	27.0	25.8	26.0	25.0	23.4	22.3
31	---	---	---	---	---	---	26.5	25.7	25.5	24.8	---	---
MONTH	24.5	19.4	25.5	21.7	26.2	23.3	27.0	24.2	27.4	23.8	25.9	21.9
YEAR	27.4	17.2										

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

OXYGEN DISSOLVED (MG/L), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	8.1	6.5
2	---	---	---	---	---	---	---	---	---	---	8.1	6.3
3	---	---	---	---	---	---	---	---	---	---	7.8	6.2
4	---	---	---	---	---	---	---	---	---	---	6.3	5.6
5	---	---	---	---	---	---	---	---	---	---	6.5	5.3
6	---	---	---	---	---	---	---	---	---	---	7.4	5.5
7	---	---	---	---	---	---	---	---	---	---	7.7	5.9
8	---	---	---	---	---	---	---	---	---	---	7.4	7.0
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	8.1	7.1
13	---	---	---	---	---	---	---	---	---	---	7.1	6.6
14	---	---	---	---	---	---	---	---	8.1	6.3	7.2	6.3
15	---	---	---	---	---	---	---	---	8.1	5.8	6.6	6.5
16	---	---	---	---	---	---	---	---	8.5	5.9	7.2	6.8
17	---	---	---	---	---	---	---	---	7.3	5.9	7.4	6.6
18	---	---	---	---	---	---	---	---	8.5	5.8	7.3	6.8
19	---	---	---	---	---	---	---	---	9.0	6.6	7.2	6.7
20	---	---	---	---	---	---	---	---	9.4	6.7	7.0	6.3
21	---	---	---	---	---	---	---	---	8.9	6.6	6.4	6.0
22	---	---	---	---	---	---	---	---	8.9	6.5	6.8	6.4
23	---	---	---	---	---	---	---	---	9.0	6.5	7.1	6.6
24	---	---	---	---	---	---	---	---	8.8	6.7	7.1	6.7
25	---	---	---	---	---	---	---	---	9.1	6.8	7.0	6.6
26	---	---	---	---	---	---	---	---	8.6	6.6	7.0	6.6
27	---	---	---	---	---	---	---	---	9.0	6.8	7.0	6.6
28	---	---	---	---	---	---	---	---	8.9	6.9	7.1	6.7
29	---	---	---	---	---	---	---	---	---	---	6.8	6.6
30	---	---	---	---	---	---	---	---	---	---	6.8	6.4
31	---	---	---	---	---	---	---	---	---	---	6.7	6.4
MONTH	---	---	---	---	---	---	---	---	9.4	5.8	8.1	5.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.4	9.0	6.6	7.4	6.8	6.8	5.7	5.1	4.2	4.7	4.3
2	6.6	6.5	8.4	6.7	8.5	6.4	6.2	5.2	5.0	4.2	4.7	4.4
3	6.7	6.1	7.6	6.4	8.7	6.6	6.2	5.1	4.9	4.7	4.9	4.6
4	6.4	5.7	8.8	6.4	8.5	6.9	6.3	5.0	4.8	4.7	5.0	4.7
5	6.2	5.7	9.2	6.7	8.4	6.8	5.7	4.9	5.1	4.8	5.3	4.8
6	6.3	5.8	9.5	7.0	8.2	6.6	5.3	4.4	4.8	4.5	5.3	4.8
7	6.3	5.8	9.9	7.0	8.2	6.6	5.4	4.9	4.7	4.5	5.3	4.8
8	6.4	5.8	9.7	7.2	7.3	5.9	5.4	4.9	4.5	4.4	5.0	4.7
9	6.5	5.8	9.4	7.2	7.7	5.8	5.3	4.9	4.4	4.2	5.1	4.9
10	6.6	5.9	9.9	7.0	7.8	6.0	5.4	4.9	4.3	4.0	5.0	4.8
11	6.7	6.0	9.9	7.2	8.1	6.2	5.3	5.0	4.5	4.3	4.9	4.7
12	6.8	6.1	10.1	7.2	7.9	6.3	5.3	5.1	4.5	4.2	4.7	4.3
13	7.7	5.9	10.0	7.2	7.8	6.2	5.3	5.0	4.5	4.0	4.4	4.3
14	7.7	5.4	9.7	7.0	7.6	6.2	5.2	4.8	4.2	4.0	5.2	3.9
15	7.6	5.3	9.1	6.9	7.3	5.9	5.3	4.8	4.3	4.2	4.4	3.7
16	8.0	5.4	9.6	6.7	6.6	5.1	5.5	5.0	4.3	4.2	4.4	4.0
17	8.3	5.4	9.7	6.9	7.2	5.5	5.2	4.9	4.3	4.2	4.4	3.8
18	9.1	6.1	9.8	6.9	7.7	5.8	4.9	4.3	4.2	4.0	4.3	4.0
19	9.7	6.9	9.9	6.9	7.6	6.2	4.6	4.4	4.1	4.0	4.1	3.8
20	9.9	7.4	10.0	7.1	8.0	6.2	4.7	4.3	4.2	4.1	3.8	3.6
21	9.4	7.1	10.0	7.2	7.9	6.2	4.7	4.4	4.4	4.2	3.8	3.7
22	9.2	6.0	9.5	6.9	6.8	6.1	4.9	4.6	4.4	4.3	4.5	3.6
23	8.4	6.4	9.3	6.8	6.5	5.9	5.0	4.8	4.5	4.3	4.3	3.4
24	8.4	5.0	9.6	6.7	6.4	5.9	5.3	4.9	4.4	4.2	3.6	3.4
25	7.2	6.2	9.2	6.8	7.6	5.9	5.3	5.1	4.4	4.3	3.6	3.4
26	8.5	6.0	9.6	6.8	7.9	6.3	5.1	4.9	4.4	4.2	3.8	3.5
27	8.8	6.6	9.3	7.0	7.4	6.3	5.0	4.8	4.4	4.3	3.7	3.6
28	9.2	6.8	8.7	6.9	7.4	6.3	5.0	4.8	4.5	4.3	3.8	3.2
29	9.1	6.9	8.6	6.6	6.9	5.9	4.9	4.7	4.5	4.3	3.8	3.6
30	8.7	6.8	7.4	6.4	7.0	5.7	4.8	4.7	4.7	4.4	4.0	3.8
31	---	---	---	---	---	---	5.1	4.7	5.0	4.5	---	---
MONTH	9.9	5.0	10.1	6.4	8.7	5.1	6.8	4.3	5.1	4.0	5.3	3.2
YEAR	10.1	3.2										

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY (SEVER-ITY) (01350)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JAN													
23...	1038	.51	35	.0	8.0	7.6	383	16.4	64.0	4.40	.70	6.5	11.0
FEB													
06...	0958	.56	40	.0	7.5	8.0	382	18.0	--	--	--	--	--
MAY													
22...	1010	.33	28	.0	6.8	7.6	357	23.7	62.0	4.20	.40	5.4	10.0
JUL													
10...	1000	.82	63	.0	5.9	7.2	369	25.3	50.0	4.40	4.80	16.0	20.0
AUG													
07...	0910	3.33	422	.0	5.9	7.1	219	25.5	30.0	3.50	4.10	7.9	11.0
SEP													
06...	0830	.91	80	.0	--	--	--	--	--	--	--	--	--
11...	0945	2.41	286	.0	5.8	7.3	270	25.3	39.0	3.90	3.30	9.5	14.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TOTAL COLI-FORM, M ENDO MF, WTR (COL/ 100 ML) (31501)
JAN													
23...	.1	9.0	12.0	219	<.20	.03	1.6	<.01	.040	.070	1.7	1.9	320
FEB													
06...	--	--	--	--	.40	<.01	1.7	<.01	.050	.070	--	--	310
MAY													
22...	.1	9.8	10.0	209	<.20	<.01	1.8	<.01	.040	.050	.80	1.2	340
JUL													
10...	.3	9.1	26.0	225	.54	.02	1.0	<.01	.300	.310	6.8	6.7	390
AUG													
07...	.3	8.1	17.0	E175cl	1.5	.08	.5	.01	.760	.960	17	19	2000
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	.3	9.3	18.0	E195cl	1.2	.05	.7	<.01	.480	.540	18	19	--

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ALGAE, FLOAT-ING MATS (SEVER-ITY) (01325)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
JAN													
23...	90	47	1	<.5	.6	<.05	.7	.2	M	<.05	<.10	<.20	380
FEB													
06...	150	34	.0	--	--	--	--	--	--	--	--	--	--
MAY													
22...	32	430	.0	M	.8	<.05	2.0	<.2	M	<.05	<.10	1.40	290
JUL													
10...	40	83	.0	10	3.8	<.05	5.4	.8	60	<.05	E.10	2.00	250
AUG													
07...	290	330	.0	87	3.2	<.05	.5	1.2	350	.11	<.10	1.70	130
SEP													
06...	--	--	.0	--	--	--	--	--	--	--	--	--	--
11...	--	--	.0	68	2.5	<.05	1.0	.9	310	.14	<.10	1.90	180

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	1,4-DI-CHLORO-BENZENE DISSOLV (UG/L) (34572)	17A-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62052)	17B-ET ESTRA-DIOL, WATER, FLTERD REC (UG/L) (62053)	1METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62054)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	26DIMET NAPH-THALENE WATER, FLTERD REC (UG/L) (62055)	2METHYL NAPH-THALENE WATER, FLTERD REC (UG/L) (62056)	3-BETA-COPRO-STANOL, WATER, FLTERD REC (UG/L) (62057)	3METHYL 1(H)-INDOLE, WATER, FLTERD REC (UG/L) (62058)	3-TERT-BHA, WATER, FLTERD REC (UG/L) (62059)	4-CUMYL PHENOL, WATER, FLTERD REC (UG/L) (62060)	4-OCTYL PHENOL, WATER, FLTERD REC (UG/L) (62061)
JAN													
23...	<.5	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
22...	M	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	2	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
07...	3	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	--	<.50	<5.00	<5.00	<.50	<.002	<.50	<.50	<2.00	<1.00	<5.00	<1.00	<1.00
11...	4	--	--	--	--	--	--	--	--	--	--	--	--

DATE	4-TERT-OCTYL-PHENOL, WATER, FLTERD REC (UG/L) (62062)	5METHYL 1HBENZO TRIAZLE WATER, FLTERD REC (UG/L) (62063)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACETO-PHENONE WATER, FLTERD REC (UG/L) (62064)	AHT NAPH-THALENE WATER, FLTERD REC (UG/L) (62065)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ANTHRA-CENE DISSOLV (UG/L) (34221)	ANTHRA-QUINONE WATER, FLTERD REC (UG/L) (62066)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENZO-A-PYRENE DISSOLV (UG/L) (34248)	BENZO-PHENONE WATER, FLTERD REC (UG/L) (62067)
SEP													
06...	<1.00	<2.00	<.004	<.50	<.50	<.002	<.005	<.50	<.50	.009	<.010	<.50	<.50
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	BETA-SITOS-TEROL, WATER, FLTERD REC (UG/L) (62068)	BISPHE-NOL A, WATER, FLTERD REC (UG/L) (62069)	BISPHEN OL A-D3 SURRGTE S2033/ 8033 WAT FLT PERCENT (99583)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BROMO-FORM DISSOLV (UG/L) (34288)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAFFE-INE-C13 SURRGTE S2033/ 8033 WAT FLT PERCENT (99584)	CAMPHOR WATER, FLTERD REC (UG/L) (62070)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBA-ZOLE, WATER, FLTERD REC (UG/L) (62071)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
SEP													
06...	<2.00	<1.00	92.4	<.50	<.50	<.002	<.500	121	<.50	<1.0	<.50	<.020	<.500
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	CHOLES-TEROL, WATER, FLTERD REC (UG/L) (62072)	COT-ININE, WATER, FLTERD REC (UG/L) (62005)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DCFLBI-PHENYL, SURRGTE S2033/ 8033 WAT FLT PERCENT (99585)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	D-LIMO-NENE, WATER, FLTERD REC (UG/L) (62073)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	EQUILE-NIN, WATER, FLTERD REC (UG/L) (62074)
SEP													
06...	E.33	<1.0	<.018	<.003	105	<.006	102	<.500	<.005	<.021	<.50	<.002	<5.00
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ESTRONE WATER FLT REC. (UG/L) (62484)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FLUOR-ANTHENE DISSOLV (UG/L) (34377)	FLUORO-ANTHENE D10 SUR S2033/ 8033 WAT FLT PERCENT (99586)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	HHHMCP-BENZO-PYRAN, WATER, FLTERD REC (UG/L) (62075)	INDOLE, WATER, FLTERD REC (UG/L) (62076)	ISOBOR-NEOL, WATER, FLTERD REC (UG/L) (62077)	ISO-PHORONE DISSOLV (UG/L) (34409)	ISO-PROPYL BENZENE WATER, FLTERD REC (UG/L) (62078)	ISO-QUIN-OLINE, WATER, FLTERD REC (UG/L) (62079)
SEP													
06...	<5	<.009	<.005	<.50	113	<.003	88	<.50	<.50	<.50	<.50	<.50	<.50
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MENTHOL WATER, FLTERD REC (UG/L) (62080)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METHYL SALICY-LATE, WATER, FLTERD REC (UG/L) (62081)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	DEET, WATER, FLTERD REC (UG/L) (62082)	NAPHTH-ALENE DISSOLV (UG/L) (34443)
SEP													
06...	<.004	<.035	<.027	<.50	<.500	<.050	<.006	<.50	<.500	<.006	<.002	E.04	<.50
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NONYL-PHENOL, DIETHOX WATER, FLTERD REC (UG/L) (62083)	DI-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61705)	MONO-ETHOXY-OCTYL-PHENOL WAT FLT REC (UG/L) (61706)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-CRESOL, WATER, FLTERD REC (UG/L) (62084)	PARA-NONYL-PHENOL, WATER, FLTERD REC (UG/L) (62085)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PENTA-CHLORO-PHENOL DISSOLV (UG/L) (34459)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHENAN - THREN EDISSOL V(UG/L) (34462)
SEP													
06...	<.007	<5.00	<1.00	<1.00	<.003	<1.00	E1.30	<.007	<.002	<.010	<2.0	<.006	<.50
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	PHENOL WATER FILTRD (UG/L) (34466)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PYRENE DISSOLV (UG/L) (34470)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	STIGMA-STANOL, WATER, FLTERD REC (UG/L) (62086)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
SEP													
06...	.57	<.011	<.500	<.004	<.010	<.011	<.023	<.50	<.011	<2.00	<.016	<.034	<.017
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TETRA-CHLORO-ETHY-LENE DISSOLV (UG/L) (34476)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	FYROL CEF, WATER, FLTERD REC (UG/L) (62087)	FYROL PCF, WATER, FLTERD REC (UG/L) (62088)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIBUTL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62089)	TRICLO-SAN, WATER, FLTERD REC (UG/L) (62090)	TRI-ETHYL CITRATE WATER, FLTERD REC (UG/L) (62091)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	TRIPHNL PHOS-PHATE, WATER, FLTERD REC (UG/L) (62092)	TRIS(2-BUTOXE— PHOS-PHATE, WATER, FLTERD (UG/L) (62093)	DICHLOR VOS, WATER FLTRD REC (UG/L) (38775)	N-15 / N-14 STABLE ISOTOPE RATIO PER MIL (82084)
JAN													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
22...	--	--	--	--	--	--	--	--	--	--	--	--	7.20
JUL													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
06...	<.50	<.005	<.50	<.50	<.002	<.50	<1.00	<.50	<.009	<.50	<.50	<1.00	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:
E -- Estimated value

Null value remark codes used in this report:
M -- Presence verified, not quantified

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

HILLSBOROUGH RIVER BASIN

02303205 BAKER CREEK AT MCINTOSH ROAD NEAR ANTIOCH, FL

LOCATION.--Lat 28°01'41", long 82°14'44", in SE ¼ sec.19, T.28 S., R.21E., Hillsborough County, Hydrologic Unit 03100205, on upstream side of bridge on McIntosh Road, 2,000 ft north of intersection McIntosh Road and Interstate 4, 1.25 mi southeast of Antioch, and 2.5 mi upstream from mouth.
DRAINAGE AREA.--27.4 mi^2.
PERIOD OF RECORD.--March 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is 42.46 ft above National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Prior to March 1997, flow included effluent from upstream industry.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	.11	1.5	3.8	.09	.03	39	.17	e.03	3.9	17	10
2	3.7	.15	1.7	.38	.06	.03	27	.16	e.03	2.4	28	12
3	3.2	.11	.97	.16	.85	.02	18	.16	e.03	1.2	50	8.7
4	3.0	.11	.14	.72	2.4	3.6	12	.49	e.02	.48	46	5.9
5	3.3	.35	e.06	3.9	2.6	4.5	9.9	1.1	e.02	.27	49	5.2
6	4.0	.42	e.03	.47	.50	4.1	8.3	.54	e.02	.07	74	6.7
7	3.6	.05	.89	1.7	.47	2.7	7.5	.21	e.02	.04	90	21
8	2.7	.02	.68	.87	4.2	5.5	5.7	e.07	e.01	.05	81	24
9	2.3	.28	.44	.30	3.7	7.5	4.2	e.07	e.01	.05	56	24
10	2.0	.76	.08	4.4	2.9	6.2	3.0	e.06	e.01	.08	40	23
11	2.9	1.1	e.06	2.9	3.6	3.7	2.0	e.00	e.01	.10	80	20
12	3.2	1.3	e.05	3.2	2.8	1.0	1.0	e.05	e.01	.64	111	17
13	3.3	.59	e.04	1.5	1.4	.15	.59	e.00	.04	2.1	130	14
14	2.7	.07	e.03	.25	1.5	.17	.39	e.02	.03	2.1	111	158
15	2.1	.01	e.02	.09	3.5	.22	.28	e.07	.71	2.7	74	329
16	1.2	.98	.02	.06	1.4	.14	.23	.17	.21	3.2	60	264
17	.77	.97	.59	.05	.30	.28	.19	.16	.05	4.6	50	164
18	.35	.16	.29	.06	.37	.25	.16	e.07	.03	5.3	44	111
19	.46	.09	.07	.04	.10	4.1	.47	e.07	e.06	4.5	40	79
20	.56	1.1	.02	.04	.06	11	2.2	e.06	e.05	3.2	46	58
21	.79	.96	3.0	.24	.07	18	2.1	e.05	e.06	2.5	47	47
22	.80	.16	1.5	.05	.07	17	1.7	e.07	.04	3.9	38	42
23	.75	.10	.63	.03	.20	15	.82	e.09	.05	7.0	31	50
24	.54	.02	.13	.03	.05	13	.64	e.07	1.3	21	25	48
25	.86	.99	.02	.02	.04	9.1	.62	e.05	1.1	34	21	57
26	.37	.89	.01	.84	.08	5.1	.86	e.05	.17	49	17	54
27	.32	.25	.01	2.3	.03	1.9	1.7	e.04	.05	47	13	47
28	.40	.03	.05	1.6	.02	1.2	1.3	e.04	.04	31	9.3	42
29	.37	.11	.04	.20	---	12	.43	e.04	.09	20	7.8	39
30	.13	1.2	.02	.05	---	35	.16	e.04	1.5	14	7.0	33
31	.09	---	1.7	.06	---	48	---	e.03	---	17	6.3	---
TOTAL	55.16	13.44	14.79	30.31	33.36	230.49	152.44	4.27	5.80	283.38	1499.4	1813.5
MEAN	1.78	.45	.48	.98	1.19	7.44	5.08	.14	.19	9.14	48.4	60.5
MAX	4.4	1.3	3.0	4.4	4.2	48	39	1.1	1.5	49	130	329
MIN	.09	.01	.01	.02	.02	.02	.16	.00	.01	.04	6.3	5.2
CFSM	.06	.02	.02	.04	.04	.27	.19	.01	.01	.33	1.77	2.21
IN.	.07	.02	.02	.04	.05	.31	.21	.01	.01	.38	2.04	2.46

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	23.2	14.4	23.1	20.5	19.7	18.3	9.28	5.37	11.7	19.3	29.1	43.0
MAX	47.4	40.6	138	50.5	85.9	71.0	23.7	17.6	34.2	37.0	60.6	91.0
(WY)	1995	1998	1998	1998	1998	1998	1993	1996	1994	1994	1994	1994
MIN	1.78	.45	.48	.98	1.19	.054	.015	.000	.19	4.96	9.12	7.49
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	2001	1997	1996	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1993 - 2001**	
ANNUAL TOTAL	1987.34		4136.34			
ANNUAL MEAN	5.43		11.3		19.7	
HIGHEST ANNUAL MEAN					46.4	1998
LOWEST ANNUAL MEAN					6.55	2000
HIGHEST DAILY MEAN	105	Aug 14	329	Sep 15	523	Sep 28 1997
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 26	.01	Jun 6	.00	Apr 26 2000
MAXIMUM PEAK FLOW			342	Sep 15	764	Dec 27 1997
MAXIMUM PEAK STAGE			6.99	Sep 15	10.63	Dec 27 1997
ANNUAL RUNOFF (CFSM)	.20		.41		.72	
ANNUAL RUNOFF (INCHES)	2.70		5.62		9.79	
10 PERCENT EXCEEDS	16		40		43	
50 PERCENT EXCEEDS	.81		.84		10	
90 PERCENT EXCEEDS	.00		.03		.31	

HILLSBOROUGH RIVER BASIN

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°05'50", long 82°18'45", in NW ¼ 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 north of Thonotosassa, 3.4 mi upstream from Trout Creek, and 29 mi upstream from mouth.
DRAINAGE AREA.--375 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Prior to April 1964 (miscellaneous discharge measurements only); 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.
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 same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated during flood stage by Hillsborough River at Structure S-155 (station 02303354) 3.0 mi downstream since 1985.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	41	43	37	36	28	72	30	26	e49	144	107
2	122	40	42	38	37	27	79	30	30	e49	174	103
3	112	39	41	38	37	27	82	32	29	e42	234	94
4	103	39	40	37	39	30	81	34	27	e40	310	90
5	95	39	40	36	39	35	75	34	27	e44	392	91
6	88	39	40	36	38	33	66	33	33	e48	427	90
7	82	38	40	36	38	34	58	31	37	49	467	117
8	77	38	39	38	38	35	53	30	40	51	497	112
9	73	37	38	41	37	34	49	29	36	e50	508	109
10	69	37	38	39	37	34	47	29	33	e53	511	128
11	65	37	38	38	37	33	44	28	31	60	548	172
12	61	37	38	38	36	32	41	28	29	64	559	210
13	58	37	38	39	35	32	39	28	28	66	547	230
14	56	38	38	39	35	31	38	27	28	68	561	428
15	54	38	37	39	34	31	39	27	31	74	570	1370
16	53	38	37	38	33	30	39	27	36	76	495	2340
17	52	38	39	38	33	29	38	26	40	79	e410	2500
18	50	39	39	37	33	29	37	26	40	84	e335	3070
19	49	39	38	36	32	34	35	25	37	88	e280	2730
20	48	39	37	37	32	41	34	25	35	92	e240	2080
21	47	38	37	37	31	43	34	24	33	98	251	1660
22	47	37	37	37	31	47	34	24	33	103	279	1380
23	46	37	37	36	30	45	34	24	35	108	288	1330
24	45	37	37	35	30	43	33	24	38	110	283	1460
25	44	37	36	35	30	42	32	23	39	111	251	1440
26	43	43	36	35	30	40	32	23	37	122	205	1480
27	43	45	36	35	29	37	31	23	35	126	170	1500
28	42	43	37	35	28	35	31	24	34	133	147	1400
29	42	43	38	36	---	38	30	28	36	131	130	1240
30	42	43	37	36	---	55	30	28	e44	124	124	1060
31	41	---	37	35	---	62	---	26	---	123	121	---
TOTAL	1985	1170	1185	1147	955	1126	1367	850	1017	2515	10458	30121
MEAN	64.0	39.0	38.2	37.0	34.1	36.3	45.6	27.4	33.9	81.1	337	1004
MAX	136	45	43	41	39	62	82	34	44	133	570	3070
MIN	41	37	36	35	28	27	30	23	26	40	121	90
AC-FT	3940	2320	2350	2280	1890	2230	2710	1690	2020	4990	20740	59750
CFSM	.17	.10	.10	.10	.09	.10	.12	.07	.09	.22	.90	2.68
IN.	.20	.12	.12	.11	.09	.11	.14	.08	.10	.25	1.04	2.99

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	275	148	191	202	243	288	168	97.7	156	269	409	568
MAX	910	578	1907	983	1710	2203	822	447	921	1030	1013	2026
(WY)	1980	1998	1998	1998	1998	1998	1987	1979	1976	1991	1975	1979
MIN	64.0	39.0	38.2	37.0	34.1	36.3	36.9	27.4	27.3	38.9	76.0	101
(WY)	2001	2001	2001	2001	2001	2001	2000	2001	2000	2000	1993	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1973 - 2001**	
ANNUAL TOTAL	19948		53896			
ANNUAL MEAN	54.5		148		251	
HIGHEST ANNUAL MEAN					834	1998
LOWEST ANNUAL MEAN					65.1	2000
HIGHEST DAILY MEAN	194	Sep 28	3070	Sep 18	5090	Dec 15 1997
LOWEST DAILY MEAN	21	Jun 23	23	May 25	21	Jun 23 2000
ANNUAL SEVEN-DAY MINIMUM	23	Jun 18	24	May 21	23	Jun 18 2000
MAXIMUM PEAK FLOW			3230	Sep 18	5200	Dec 15 1997
MAXIMUM PEAK STAGE			31.25	Sep 18	34.27	Dec 15 1997
ANNUAL RUNOFF (AC-FT)	39570		106900		181900	
ANNUAL RUNOFF (CFSM)	.15		.39		.67	
ANNUAL RUNOFF (INCHES)	1.98		5.35		9.10	
10 PERCENT EXCEEDS	89		262		562	
50 PERCENT EXCEEDS	43		39		118	
90 PERCENT EXCEEDS	30		29		58	

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.59	23.74	23.80	23.64	23.55	23.27	24.55	23.21	23.00	---	25.65	25.25
2	25.46	23.72	23.77	23.64	23.55	23.25	24.70	23.18	23.15	---	25.84	25.22
3	25.32	23.71	23.75	23.63	23.56	23.25	24.78	23.12	23.11	---	26.19	25.10
4	25.18	23.70	23.74	23.61	23.61	23.35	24.76	23.15	23.06	---	26.54	25.06
5	25.05	23.70	23.74	23.59	23.60	23.48	24.61	23.16	23.08	---	26.85	25.12
6	24.91	23.69	23.73	23.59	23.58	23.42	24.40	23.15	23.25	---	26.97	25.11
7	24.79	23.68	23.72	23.59	23.57	23.46	24.21	23.13	23.40	23.98	27.10	25.57
8	24.68	23.67	23.70	23.64	23.57	23.50	24.07	23.11	23.51	24.05	27.20	25.52
9	24.59	23.65	23.69	23.71	23.56	23.47	23.98	23.08	23.41	---	27.23	25.51
10	24.48	23.65	23.68	23.66	23.55	23.46	23.91	23.07	23.31	---	27.24	25.77
11	24.38	23.65	23.68	23.62	23.54	23.44	23.83	23.06	23.24	24.29	27.34	26.12
12	24.29	23.66	23.68	23.64	23.52	23.41	23.76	23.05	23.20	24.39	27.37	26.37
13	24.21	23.65	23.68	23.65	23.50	23.39	23.70	23.05	23.18	24.43	27.34	26.50
14	24.16	23.66	23.66	23.64	23.48	23.38	23.67	23.03	23.18	24.49	27.38	27.28
15	24.12	23.68	23.64	23.64	23.46	23.36	23.67	23.02	23.26	24.61	27.40	29.21
16	24.09	23.68	23.64	23.63	23.44	23.34	23.65	23.00	23.44	24.66	27.19	30.43
17	24.05	23.67	23.69	23.61	23.43	23.33	23.62	22.99	23.57	24.74	---	30.62
18	24.01	23.69	23.69	23.58	23.43	23.31	23.58	22.98	23.60	24.84	---	31.13
19	23.98	23.69	23.67	23.56	23.41	23.47	23.52	22.96	23.52	24.92	---	30.91
20	23.95	23.69	23.65	23.58	23.39	23.67	23.48	22.95	23.45	24.99	---	30.26
21	23.93	23.68	23.64	23.59	23.37	23.72	23.45	22.93	23.39	25.10	26.27	29.72
22	23.92	23.66	23.64	23.58	23.36	23.85	23.44	22.93	23.40	25.19	26.40	29.28
23	23.90	23.64	23.63	23.56	23.35	23.81	23.42	22.92	23.46	25.26	26.44	29.17
24	23.87	23.64	23.62	23.54	23.34	23.74	23.39	22.91	23.55	25.29	26.42	29.29
25	23.84	23.65	23.62	23.52	23.33	23.71	23.35	22.88	23.62	25.30	26.27	29.21
26	23.82	23.80	23.62	23.51	23.33	23.67	23.33	22.88	23.56	25.46	26.03	29.21
27	23.80	23.86	23.61	23.51	23.32	23.59	23.29	22.89	23.51	25.51	25.82	29.18
28	23.79	23.81	23.63	23.53	23.29	23.52	23.27	22.91	23.47	25.56	25.67	29.00
29	23.78	23.80	23.65	23.54	---	23.62	23.24	23.06	23.53	25.55	25.54	28.74
30	23.77	23.83	23.64	23.54	---	24.10	23.22	23.06	---	25.48	25.48	28.46
31	23.76	---	23.62	23.52	---	24.29	---	22.98	---	25.45	25.44	---
MEAN	24.31	23.70	23.67	23.59	23.46	23.54	23.80	23.03	23.36	24.94	26.54	27.78
MAX	25.59	23.86	23.80	23.71	23.61	24.29	24.78	23.21	23.62	25.56	27.40	31.13
MIN	23.76	23.64	23.61	23.51	23.29	23.25	23.22	22.88	23.00	23.98	25.44	25.06

HILLSBOROUGH RIVER BASIN

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-83, 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
16...	0845	23.68	38	--	7.7	7.8	372	15.9	--	--	--	--	--
FEB													
06...	0849	23.58	38	<5	8.0	8.2	388	14.0	63.0	4.50	.80	7.3	12.0
MAY													
22...	0845	22.94	25	--	6.9	7.4	354	24.9	--	--	--	--	--
JUL													
10...	0828	23.96	47	60	5.7	7.4	333	26.4	44.0	4.00	4.80	14.0	17.0
AUG													
07...	0818	27.07	456	140	3.1	6.9	255	24.9	35.0	3.50	4.30	10.0	16.0
SEP													
11...	0804	26.07	165	240	3.0	6.6	292	25.1	43.0	4.00	3.50	11.0	17.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
NOV													
16...	--	--	--	--	<.20	.02	1.3	<.01	.070	.060	--	--	--
FEB													
06...	.1	5.6	15.0	232	<.20	.02	1.4	<.01	.060	.040	17	<1	<1.00
MAY													
22...	--	--	--	--	.24	.02	.9	<.01	.060	.070	--	--	--
JUL													
10...	.3	8.3	39.0	216	.84	.04	.8	<.01	.380	.400	58	5	<1.00
AUG													
07...	.3	8.8	24.0	E212cl	1.7	.08	.1	.01	.400	.440	112	4	<1.00
SEP													
11...	.3	11.0	18.0	E234cl	1.3	.08	.1	<.01	.380	.430	94	3	<1.00

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
16...	--	--	--	--	--	--	--	--
FEB								
06...	<1	<1.0	20	<1	<.10	<1	390	<2
MAY								
22...	--	--	--	--	--	--	--	--
JUL								
10...	<1	<1.0	130	<1	<.10	<1	210	2
AUG								
07...	2	1.1	400	<1	<.10	1	160	3
SEP								
11...	1	<1.0	640	<1	<.10	1	200	2

Remark codes used in this report:
E -- Estimated value

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

HILLSBOROUGH RIVER BASIN

02303350 TROUT CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°08'20", long 82°21'50", in SW ¼ sec.13, T.27 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, at bridge on State Highway 581, 4.1 mi upstream from mouth, and 9.0 mi northeast of Sulphur Springs.
DRAINAGE AREA.--23 mi^2, approximately.

WATER-DISCHARGE RECORDS

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 same site and datum.
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	.00	.00	.00	.00	.00	6.5	.00	.00	.00	26	.80
2	4.4	.00	.00	.00	.00	.00	4.0	.00	.00	.00	42	1.3
3	2.9	.00	.00	.00	.00	.00	2.2	.00	.00	.00	88	1.5
4	2.1	.00	.00	.00	.00	.00	1.2	.00	.00	.00	106	1.1
5	1.5	.00	.00	.00	.00	.00	.71	.00	.00	3.0	131	2.1
6	1.1	.00	.00	.00	.00	.00	.48	.00	.00	15	157	6.2
7	.95	.00	.00	.00	.00	.00	.34	.00	.00	8.0	159	51
8	.82	.00	.00	.00	.00	.00	.20	.00	.00	4.2	136	116
9	.73	.00	.00	.00	.00	.00	.05	.00	.00	2.5	102	114
10	.58	.00	.00	.00	.00	.00	.00	.00	.00	6.5	76	79
11	.41	.00	.00	.00	.00	.00	.00	.00	.00	32	60	53
12	.24	.00	.00	.00	.00	.00	.00	.00	.00	26	45	35
13	.14	.00	.00	.00	.00	.00	.00	.00	.00	15	33	25
14	.08	.00	.00	.00	.00	.00	.00	.00	.00	24	24	154
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	76	19	582
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	40	15	588
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	18	13	385
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	21	11	231
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	18	9.7	142
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	11	9.2	100
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.8	7.6	72
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.6	6.6	52
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	5.0	37
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	21	3.7	30
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	23	2.5	26
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	28	1.8	22
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	25	1.3	20
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	16	.89	21
29	.00	.00	.00	.00	---	.00	.00	.00	.00	12	.51	21
30	.00	.00	.00	.00	---	8.4	.00	.00	.00	10	.24	15
31	.00	---	.00	.00	---	6.7	---	.00	---	10	.41	---
TOTAL	22.45	0.00	0.00	0.00	0.00	15.10	15.68	0.00	0.00	498.60	1292.45	2984.00
MEAN	.72	.000	.000	.000	.000	.49	.52	.000	.000	16.1	41.7	99.5
MAX	6.5	.00	.00	.00	.00	8.4	6.5	.00	.00	76	159	588
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.80
CFSM	.03	.00	.00	.00	.00	.02	.02	.00	.00	.70	1.81	4.32
IN.	.04	.00	.00	.00	.00	.02	.03	.00	.00	.81	2.09	4.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	12.6	7.05	14.4	12.8	22.2	27.7	9.48	8.42	7.43	16.0	34.9	58.6
MAX	72.7	70.8	285	67.5	202	161	69.6	117	81.2	81.1	125	248
(WY)	1996	1989	1998	1998	1998	1987	1987	1979	1982	1986	1985	1979
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.34
(WY)	1981	1979	1979	1981	1985	1985	1985	1975	1977	1977	1993	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1975 - 2001**	
ANNUAL TOTAL	1270.48		4828.28			
ANNUAL MEAN	3.47		13.2		19.3	
HIGHEST ANNUAL MEAN					85.7	1998
LOWEST ANNUAL MEAN					2.10	1977
HIGHEST DAILY MEAN	74	Aug 16	588	Sep 16	1160	May 9 1979
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 13	.00	Oct 15	.00	Nov 25 1974
MAXIMUM PEAK FLOW			664	Sep 15	1540	Jun 28 1974
MAXIMUM PEAK STAGE			41.04	Sep 15	42.58	Jun 28 1974
ANNUAL RUNOFF (CFSM)	.15		.58		.84	
ANNUAL RUNOFF (INCHES)	2.05		7.81		11.37	
10 PERCENT EXCEEDS	9.6		25		47	
50 PERCENT EXCEEDS	.00		.00		1.2	
90 PERCENT EXCEEDS	.00		.00		.00	

02303350 TROUT CREEK NEAR SULPHUR SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964, 1966, 1968-83, 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUL													
11...	1119	37.47	35	4.8	6.4	191	25.2	.94	.05	.1	<.01	.060	.100
AUG													
09...	1220	38.23	100	3.5	6.6	137	26.0	1.8	.06	M	<.01	.160	.180
16...	0958	36.52	15	2.8	6.8	189	26.1	1.9	.06	.1	.01	.260	.300
20...	0925	36.31	9.4	2.4	6.8	209	26.2	2.0	.05	.1	<.01	.290	.340
SEP													
06...	1145	36.19	4.2	3.1	6.3	268	25.4	1.5	.08	.1	.01	.160	.170
10...	1231	38.23	77	4.4	6.0	128	25.4	1.4	.05	M	<.01	.080	.090

Remark codes used in this report:

Null value remark codes used in this report:
M -- Presence verified, not quantified

HILLSBOROUGH RIVER BASIN

02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL

LOCATION.--Lat 28°19'25", long 82°23'03", in SW ¼ 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 downstream from Bee Tree Branch, 6.8 mi west of San Antonio, 12 mi west of Dade City, and 25 mi upstream from mouth.
DRAINAGE AREA.--56.0 mi^2.
PERIOD OF RECORD.--December 1962 to current year.
REVISED RECORDS.--WDR FL 1974: 1973.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Aug. 25, 1965, at present datum; Aug 25, 1965 to Sept. 30, 1983, at same site at datum 70.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Peak obtained from observed record during discharge measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.5	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.5	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.9	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.1	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.2	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.6	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.92	2.7
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.6	e38
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.94	e50
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	51
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	43
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	32
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	30
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	34
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	41
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	43
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	30
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.8
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	11
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	11
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.74	448.50
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.83	14.9
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.5	51
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	51	890
CFSM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.27
IN.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.30

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	19.3	7.62	11.6	15.6	23.5	24.1	11.4	3.96	8.46	16.7	30.4	40.8
MAX	105	43.7	191	91.2	216	154	99.0	44.6	87.7	132	229	178
(WY)	1983	1989	1998	1998	1998	1998	1987	1979	1982	1974	1965	1964
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1991	1979	1979	1981	1985	1981	1981	1968	1977	1973	1990	1992

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL			474.24			
ANNUAL MEAN			1.30		17.8	
HIGHEST ANNUAL MEAN					62.8	1998
LOWEST ANNUAL MEAN					.11	1992
HIGHEST DAILY MEAN			51	Sep 18	996	Mar 31 1987
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	May 9 1967
MAXIMUM PEAK FLOW			53	Sep 18	1100	Mar 31 1987
MAXIMUM PEAK STAGE			72.62	Sep 18	76.05	Mar 31 1987
ANNUAL RUNOFF (AC-FT)			941		12920	
ANNUAL RUNOFF (CFSM)			.023		.32	
ANNUAL RUNOFF (INCHES)			.32		4.33	
10 PERCENT EXCEEDS	.00		.00		48	
50 PERCENT EXCEEDS	.00		.00		3.3	
90 PERCENT EXCEEDS	.00		.00		.00	

02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	69.86	---
9	---	---	---	---	---	---	---	---	---	---	70.48	---
10	---	---	---	---	---	---	---	---	---	---	70.47	---
11	---	---	---	---	---	---	---	---	---	---	70.40	---
12	---	---	---	---	---	---	---	---	---	---	70.29	---
13	---	---	---	---	---	---	---	---	---	---	70.16	---
14	---	---	---	---	---	---	---	---	---	---	70.04	---
15	---	---	---	---	---	---	---	---	---	---	69.89	69.77
16	---	---	---	---	---	---	---	---	---	---	70.06	---
17	---	---	---	---	---	---	---	---	---	---	69.89	---
18	---	---	---	---	---	---	---	---	---	---	69.67	72.62
19	---	---	---	---	---	---	---	---	---	---	69.55	72.43
20	---	---	---	---	---	---	---	---	---	---	69.48	72.14
21	---	---	---	---	---	---	---	---	---	---	69.40	72.05
22	---	---	---	---	---	---	---	---	---	---	69.33	72.22
23	---	---	---	---	---	---	---	---	---	---	69.26	72.44
24	---	---	---	---	---	---	---	---	---	---	69.20	72.51
25	---	---	---	---	---	---	---	---	---	---	69.19	72.10
26	---	---	---	---	---	---	---	---	---	---	69.13	71.27
27	---	---	---	---	---	---	---	---	---	---	69.06	71.10
28	---	---	---	---	---	---	---	---	---	---	69.02	71.14
29	---	---	---	---	---	---	---	---	---	---	69.00	71.17
30	---	---	---	---	---	---	---	---	---	---	---	71.19
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	69.67	71.72
MAX	---	---	---	---	---	---	---	---	---	---	70.48	72.62
MIN	---	---	---	---	---	---	---	---	---	---	69.00	69.77

HILLSBOROUGH RIVER BASIN

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL

LOCATION.--Lat 28°11'08", long 82°24'03", in SW ¼ sec.27, T.26 S., R.19 E., Pasco County, Hydrologic Unit 03100205, on right bank 30 ft downstream from bridge on State Highway 54, 0.2 mi southwest of Worthington Gardens, 4.4 mi northeast of Lutz, and 14 mi upstream from mouth.
DRAINAGE AREA.--117 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1964 to October 1971 (annual maximum); 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 (M).
GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1972, nonrecording gage 1,000 ft upstream at datum 40.00 ft lower; Oct. 1, 1972, to Aug. 25, 1977, at site 30 ft upstream at present datum.
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	.00	.07	.04	.16	.00	2.5	.00	.00	.00	19	1.7
2	4.1	.00	.07	.04	.15	.00	2.9	.00	.00	.80	18	2.7
3	3.3	.00	.06	.04	.14	.00	1.8	.00	.00	3.3	31	3.0
4	2.8	.00	.05	.04	.17	.05	.98	.00	.00	3.1	41	2.3
5	2.3	.00	.05	.04	.16	.07	.58	.00	.00	2.5	47	1.8
6	1.9	.00	.05	.04	.13	.05	.39	.00	.00	3.4	52	3.5
7	1.6	.00	.05	.05	.12	.03	.27	.00	.00	2.7	57	22
8	1.3	.00	.05	.05	.11	.03	.20	.00	.00	1.9	64	44
9	1.0	.00	.06	.05	.09	.02	.15	.00	.00	1.2	70	49
10	.82	.00	.06	.05	.08	.02	.10	.00	.00	1.1	71	47
11	.69	.00	.06	.05	.07	.02	.07	.00	.00	3.2	67	42
12	.55	.00	.07	.06	.06	.02	.04	.00	.00	7.3	61	34
13	.45	.00	.08	.07	.05	.02	.02	.00	.00	11	55	26
14	.38	.01	.09	.07	.04	.02	.01	.00	.00	11	51	50
15	.31	.02	.09	.07	.04	.02	.00	.00	.00	13	44	139
16	.26	.01	.09	.07	.03	.01	.00	.00	.00	14	39	199
17	.20	.01	.09	.07	.03	.01	.00	.00	.00	13	34	232
18	.16	.01	.09	.07	.03	.01	.00	.00	.00	16	29	239
19	.13	.01	.09	.07	.02	.04	.00	.00	.00	21	25	225
20	.10	.02	.09	.08	.02	.08	.00	.00	.00	18	22	199
21	.08	.02	.09	.08	.02	.06	.00	.00	.00	13	19	166
22	.07	.02	.08	.08	.01	.04	.00	.00	.00	12	15	132
23	.05	.02	.08	.08	.01	.03	.00	.00	.00	18	11	102
24	.04	.02	.07	.07	.01	.02	.00	.00	.00	23	8.2	80
25	.03	.04	.06	.07	.01	.01	.00	.00	.00	24	5.6	65
26	.03	.10	.05	.07	.01	.00	.00	.00	.00	30	3.8	54
27	.02	.12	.05	.07	.00	.00	.00	.00	.00	46	2.6	45
28	.02	.10	.05	.07	.00	.00	.00	.00	.00	47	1.9	38
29	.02	.08	.06	.06	---	.10	.00	.00	.00	39	1.3	33
30	.01	.08	.05	.06	---	.44	.00	.00	.00	29	.90	27
31	.01	---	.05	.08	---	.68	---	.00	---	21	.86	---
TOTAL	27.83	0.69	2.10	1.91	1.77	1.90	10.01	0.00	0.00	449.50	967.16	2304.0
MEAN	.90	.023	.068	.062	.063	.061	.33	.000	.000	14.5	31.2	76.8
MAX	5.1	.12	.09	.08	.17	.68	2.9	.00	.00	47	71	239
MIN	.01	.00	.05	.04	.00	.00	.00	.00	.00	.00	.86	1.7
CFSM	.01	.00	.00	.00	.00	.00	.00	.00	.00	.12	.27	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	47.6	14.1	26.6	41.5	59.7	67.2	35.5	16.0	16.2	29.4	58.6	93.8
MAX	254	98.3	404	384	662	613	416	217	240	139	249	372
(WY)	1983	1989	1998	1998	1998	1998	1987	1979	1982	1982	1978	1988
MIN	.000	.000	.000	.062	.063	.061	.000	.000	.000	.000	.000	.035
(WY)	1994	1994	1994	2001	2001	2001	1975	1975	2000	1988	1993	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1975 - 2001**	
ANNUAL TOTAL	1963.91		3766.87			
ANNUAL MEAN	5.37		10.3		42.1	
HIGHEST ANNUAL MEAN					204	1998
LOWEST ANNUAL MEAN					2.58	1992
HIGHEST DAILY MEAN	119	Aug 15	239	Sep 18	1430	Apr 3 1987
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 16	.00	Nov 1	.00	Apr 1 1975
MAXIMUM PEAK FLOW			240	Sep 18	1450	Apr 3 1987
MAXIMUM PEAK STAGE			7.51	Sep 18	12.62	Apr 3 1987
ANNUAL RUNOFF (CFSM)	.046		.088		.36	
10 PERCENT EXCEEDS	13		34		112	
50 PERCENT EXCEEDS	.06		.06		5.4	
90 PERCENT EXCEEDS	.00		.00		.00	

HILLSBOROUGH RIVER BASIN

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	2.02	2.13	2.11	2.22	2.07	2.80	1.85	1.46	2.03	3.98	2.75
2	2.78	2.02	2.12	2.11	2.21	2.06	2.85	1.84	1.48	2.48	3.93	2.91
3	2.70	2.01	2.12	2.11	2.21	2.06	2.69	1.84	1.47	2.94	4.43	2.94
4	2.63	2.01	2.11	2.11	2.23	2.12	2.53	1.85	1.44	2.92	4.73	2.84
5	2.58	2.00	2.11	2.11	2.22	2.15	2.40	1.84	1.53	2.85	4.89	2.77
6	2.52	2.00	2.11	2.12	2.21	2.13	2.33	1.82	1.73	2.96	5.00	2.94
7	2.48	2.00	2.11	2.12	2.20	2.11	2.27	1.80	1.73	2.88	5.12	4.11
8	2.43	2.00	2.11	2.12	2.19	2.10	2.23	1.79	1.72	2.76	5.29	4.83
9	2.37	2.00	2.12	2.12	2.18	2.09	2.20	1.77	1.71	2.64	5.41	4.97
10	2.32	2.02	2.12	2.12	2.18	2.09	2.17	1.76	1.69	2.61	5.43	4.90
11	2.28	2.02	2.13	2.12	2.16	2.09	2.14	1.74	1.66	2.92	5.36	4.77
12	2.24	2.01	2.14	2.13	2.15	2.09	2.11	1.73	1.64	3.31	5.22	4.56
13	2.21	2.00	2.14	2.14	2.14	2.09	2.09	1.72	1.61	3.53	5.08	4.31
14	2.18	2.03	2.15	2.14	2.13	2.09	2.07	1.70	1.58	3.57	4.98	4.91
15	2.16	2.06	2.15	2.15	2.13	2.09	2.05	1.69	1.55	3.69	4.82	6.49
16	2.14	2.05	2.15	2.15	2.12	2.08	2.02	1.71	1.54	3.75	4.68	7.14
17	2.12	2.04	2.15	2.15	2.12	2.08	2.00	1.70	1.51	3.66	4.53	7.44
18	2.09	2.05	2.15	2.15	2.11	2.07	1.97	1.68	1.54	3.86	4.37	7.49
19	2.08	2.05	2.15	2.15	2.11	2.11	1.95	1.66	1.61	4.09	4.23	7.38
20	2.06	2.06	2.15	2.16	2.10	2.16	1.94	1.64	1.75	3.94	4.11	7.14
21	2.06	2.06	2.15	2.16	2.10	2.14	1.93	1.62	1.73	3.66	3.97	6.81
22	2.05	2.06	2.14	2.16	2.09	2.12	1.92	1.60	1.72	3.64	3.80	6.43
23	2.04	2.06	2.14	2.16	2.09	2.11	1.91	1.59	1.78	3.91	3.61	6.00
24	2.03	2.07	2.13	2.15	2.08	2.09	1.90	1.57	1.83	4.16	3.40	5.62
25	2.03	2.09	2.13	2.15	2.08	2.07	1.89	1.54	1.82	4.18	3.20	5.33
26	2.03	2.14	2.12	2.15	2.08	2.06	1.90	1.52	1.79	4.38	3.02	5.07
27	2.03	2.16	2.12	2.15	2.07	2.04	1.89	1.50	1.79	4.85	2.88	4.86
28	2.03	2.14	2.12	2.15	2.07	2.02	1.88	1.49	1.87	4.89	2.77	4.68
29	2.03	2.13	2.13	2.14	---	2.12	1.87	1.51	2.01	4.67	2.68	4.51
30	2.03	2.13	2.13	2.14	---	2.35	1.86	1.49	2.00	4.36	2.59	4.36
31	2.03	---	2.12	2.16	---	2.42	---	1.47	---	4.06	2.57	---
MEAN	2.25	2.05	2.13	2.14	2.14	2.11	2.13	1.68	1.68	3.55	4.20	5.04
MAX	2.86	2.16	2.15	2.16	2.23	2.42	2.85	1.85	2.01	4.89	5.43	7.49
MIN	2.03	2.00	2.11	2.11	2.07	2.02	1.86	1.47	1.44	2.03	2.57	2.75

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUL													
02...	1127	2.48	.80	3.4	6.7	793	24.3	2.3	.07	2.2	.01	<.010	<.020
AUG													
09...	1142	5.42	70	6.7	6.7	381	25.8	2.6	.07	.1	<.01	.020	.030
16...	0928	4.69	39	1.4	6.8	288	25.4	2.8	.10	M	<.01	.030	.050
20...	0838	4.13	22	1.1	6.7	303	25.6	3.1	.17	<.02	<.01	.030	.070
SEP													
06...	1105	2.82	2.2	1.7	6.3	354	24.4	3.1	.21	.1	<.01	.020	<.020
10...	1200	4.89	47	1.6	6.8	267	24.9	2.8	.08	M	<.01	.030	<.020

Remark codes used in this report:

Null value remark codes used in this report:
M -- Presence verified, not quantified

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 downstream from Thirteen Mile Run, 2.5 mi upstream from mouth, and 5.0 mi northeast of Sulphur Springs.
DRAINAGE AREA.--160 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1956 to January 1964 (miscellaneous discharge measurements only); February 1964 to current year.
REVISED RECORDS.--WDR FL-80-3: 1979.
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 except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	.00	.00	.00	.00	.00	.41	.00	.00	.00	48	9.0
2	25	.00	.00	.00	.00	.00	.12	.00	.00	.00	51	7.7
3	22	.00	.00	.00	.00	.00	.05	.00	.00	.00	69	6.8
4	18	.00	.00	.00	.00	.00	.02	.00	.00	.00	79	8.0
5	15	.00	.00	.00	.00	.00	.01	.00	.00	.00	77	14
6	13	.00	.00	e.00	.00	.00	.01	.00	.00	.00	76	17
7	10	.00	.00	e.00	.00	.00	.00	.00	.00	.00	72	40
8	8.7	.00	.00	e.00	.00	.00	.00	.00	.00	.00	71	51
9	6.7	.00	.00	.00	.00	.00	.00	.00	.00	.00	69	56
10	4.9	.00	.00	.00	.00	.00	.00	.00	.00	.00	73	78
11	3.6	.00	.00	.00	.00	.00	.00	.00	.00	.08	75	90
12	2.7	.00	.00	.00	.00	.00	.00	.00	.00	.07	71	82
13	2.1	.00	.00	.00	.00	.00	.00	.00	.00	.05	65	73
14	1.6	.00	.00	.00	.00	.00	.00	.00	.00	.10	59	160
15	1.2	.00	.00	.00	.00	.00	.00	.00	.00	.11	56	389
16	.94	.00	.00	.00	.00	.00	.00	.00	.00	.01	53	435
17	.68	.00	.00	.00	.00	.00	.00	.00	.00	.03	50	416
18	.49	.00	.00	.00	.00	.00	.00	.00	.00	.09	47	367
19	.36	.00	.00	.00	.00	.00	.00	.00	.00	.01	44	318
20	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	40	278
21	.21	.00	.00	.00	.00	.00	.00	.00	.00	.07	37	252
22	.15	.00	.00	.00	.00	.00	.00	.00	.00	.20	35	229
23	.11	.00	.00	.00	.00	.00	.00	.00	.00	.74	32	211
24	.07	.00	.00	.00	.00	.00	.00	.00	.00	.18	29	193
25	.04	.00	.00	.00	.00	.00	.00	.00	.00	.22	26	176
26	.02	.00	.00	.00	.00	.00	.00	.00	.00	.50	23	160
27	.01	.00	.00	.00	.00	.00	.00	.00	.00	.44	20	143
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.6	17	125
29	.00	.00	.00	.00	---	.12	.00	.00	.00	28	14	103
30	.00	.00	.00	.00	---	.84	.00	.00	.00	38	12	81
31	.00	---	.00	.00	---	.42	---	.00	---	42	9.9	---
TOTAL	166.85	0.00	0.00	0.00	0.00	1.38	0.62	0.00	0.00	118.50	1499.9	4568.5
MEAN	5.38	.000	.000	.000	.000	.045	.021	.000	.000	3.82	48.4	152
MAX	29	.00	.00	.00	.00	.84	.41	.00	.00	42	79	435
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.9	6.8
AC-FT	331	.00	.00	.00	.00	2.7	1.2	.00	.00	235	2980	9060
CFSM	.03	.00	.00	.00	.00	.00	.00	.00	.00	.02	.30	.95
IN.	.04	.00	.00	.00	.00	.00	.00	.00	.00	.03	.35	1.06

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	94.3	25.6	44.4	66.7	94.7	105	55.5	17.4	34.0	73.2	145	180
MAX	489	138	612	546	818	804	550	309	311	592	1040	593
(WY)	1983	1998	1998	1998	1998	1998	1987	1979	1981	1974	1965	1979
MIN	.079	.000	.000	.000	.000	.045	.000	.000	.000	.000	.000	1.90
(WY)	1973	2001	2001	2001	2001	2001	2000	1967	1973	1973	1977	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1965 - 2001**	
ANNUAL TOTAL	2093.73		6355.75			
ANNUAL MEAN	5.72		17.4		77.9	
HIGHEST ANNUAL MEAN					294	1998
LOWEST ANNUAL MEAN					6.50	1992
HIGHEST DAILY MEAN	59	Sep 25	435	Sep 16	1750	Aug 13 1965
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 15	.00	Oct 28	.00	May 9 1965
MAXIMUM PEAK FLOW			437	Sep 16	2160	Aug 1 1960
MAXIMUM PEAK STAGE			29.44	Sep 16	34.13	Aug 1 1960
ANNUAL RUNOFF (AC-FT)	4150		12610		56450	
ANNUAL RUNOFF (CFSM)	.036		.11		.49	
ANNUAL RUNOFF (INCHES)	.49		1.48		6.62	
10 PERCENT EXCEEDS	23		52		222	
50 PERCENT EXCEEDS	.00		.00		16	
90 PERCENT EXCEEDS	.00		.00		.00	

02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.83	24.77	24.52	24.36	24.26	24.07	25.06	24.06	22.86	22.70	27.57	25.93
2	26.69	24.76	24.51	24.35	24.28	24.05	24.95	24.02	22.86	22.70	27.65	25.85
3	26.54	24.75	24.50	24.34	24.30	24.03	24.90	23.99	22.82	22.71	27.96	25.78
4	26.39	24.73	24.49	24.33	24.34	24.13	24.87	23.96	22.78	22.71	28.07	25.85
5	26.25	24.72	24.47	24.32	24.35	24.25	24.85	23.92	22.75	22.83	28.06	26.26
6	26.14	24.70	24.46	---	24.35	24.25	24.84	23.88	22.74	23.20	28.05	26.39
7	26.01	24.69	24.44	---	24.34	24.24	24.82	23.83	22.71	23.85	28.00	27.34
8	25.91	24.67	24.43	---	24.33	24.23	24.81	23.79	22.67	23.87	27.98	27.66
9	25.77	24.66	24.41	24.37	24.33	24.21	24.80	23.75	22.62	23.85	27.97	27.77
10	25.63	24.64	24.40	24.36	24.32	24.22	24.78	23.71	22.58	23.86	28.01	28.06
11	25.52	24.62	24.39	24.36	24.31	24.20	24.75	23.66	22.54	24.47	28.03	28.17
12	25.43	24.60	24.39	24.36	24.31	24.19	24.73	23.62	22.49	24.92	27.99	28.11
13	25.36	24.58	24.38	24.36	24.30	24.18	24.71	23.58	22.44	24.90	27.91	28.01
14	25.30	24.57	24.37	24.36	24.29	24.17	24.68	23.54	22.39	24.93	27.84	28.51
15	25.24	24.56	24.36	24.35	24.28	24.16	24.65	23.50	22.35	24.93	27.76	29.32
16	25.19	24.54	24.34	24.35	24.27	24.14	24.62	23.46	22.31	24.85	27.70	29.44
17	25.14	24.54	24.42	24.35	24.25	24.13	24.59	23.42	22.26	24.86	27.62	29.39
18	25.09	24.53	24.43	24.35	24.24	24.11	24.55	23.38	22.29	24.93	27.54	29.27
19	25.05	24.52	24.42	24.34	24.22	24.17	24.51	23.34	22.44	24.85	27.47	29.15
20	25.02	24.50	24.43	24.34	24.21	24.28	24.47	23.30	22.48	24.82	27.37	29.03
21	25.00	24.48	24.42	24.33	24.19	24.28	24.43	23.26	22.46	24.87	27.24	28.94
22	24.97	24.45	24.41	24.32	24.18	24.28	24.39	23.22	22.45	24.99	27.16	28.85
23	24.95	24.43	24.40	24.31	24.17	24.27	24.36	23.19	22.45	25.11	27.05	28.77
24	24.92	24.42	24.39	24.30	24.15	24.25	24.32	23.15	22.47	24.97	26.93	28.69
25	24.89	24.43	24.38	24.29	24.14	24.23	24.29	23.11	22.46	24.95	26.80	28.61
26	24.87	24.52	24.37	24.27	24.12	24.21	24.26	23.08	22.43	25.07	26.67	28.53
27	24.85	24.54	24.36	24.26	24.11	24.19	24.21	23.02	22.40	25.06	26.53	28.43
28	24.83	24.54	24.37	24.25	24.09	24.16	24.17	22.99	22.39	25.77	26.39	28.32
29	24.81	24.53	24.39	24.24	---	24.37	24.14	22.97	22.49	26.89	26.23	28.18
30	24.80	24.53	24.38	24.23	---	25.16	24.10	22.93	22.56	27.27	26.09	28.01
31	24.79	---	24.37	24.23	---	25.06	---	22.89	---	27.42	25.98	---
MEAN	25.43	24.58	24.41	24.32	24.25	24.25	24.59	23.47	22.53	24.62	27.41	28.02
MAX	26.83	24.77	24.52	24.37	24.35	25.16	25.06	24.06	22.86	27.42	28.07	29.44
MIN	24.79	24.42	24.34	24.23	24.09	24.03	24.10	22.89	22.26	22.70	25.98	25.78

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG													
09...	1257	27.91	65	400	1.4	6.6	275	26.1	47.5	3.03	2.50	7.6	15.7
16...	1033	27.71	53	--	1.2	6.8	293	--	--	--	--	--	--
20...	1000	27.38	40	--	1.0	6.2	308	25.7	--	--	--	--	--
SEP													
06...	1226	26.23	14	320	1.2	6.4	322	25.2	56.0	3.50	2.60	10.0	21.0
10...	1309	28.06	78	320	1.4	6.2	230	25.0	39.0	2.50	2.50	7.7	14.0
20...	1445	29.02	272	200	.6	6.4	174	24.6	29.0	2.10	2.60	5.5	9.6

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
AUG											
09...	.1	10.3	30.2	282	2.9	.23	M	.02	.060	.080	77.4
16...	--	--	--	--	2.8	.25	M	.02	.060	.080	--
20...	--	--	--	--	3.2	.36	<.02	<.01	.060	.090	--
SEP											
06...	.2	12.0	10.0	E324cl	3.6	.53	<.02	.01	.050	.050	87.0
10...	.2	9.3	5.0	E225cl	2.4	.19	M	.01	.050	.050	62.0
20...	.1	6.8	4.3	E169cl	2.0	.02	<.02	<.01	.060	.100	50.0

Remark codes used in this report:
E -- Estimated value

Null value remark codes used in this report:
M -- Presence verified, not quantified

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

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 northeast of Tampa, and 10 mi upstream from mouth.
DRAINAGE AREA.--650 mi^2, 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 upstream at datum 0.66 ft higher.
REMARKS.--Records poor. Flow regulated at station since Oct. 1, 1945, by manipulation of radial gates in spillways and dam by city of Tampa Water Department. Some augmentation at times by pumping from Sulphur Springs at Sulphur Springs into reservoir. Diversion from reservoir 1.3 mi upstream from station by city of Tampa for water supply. Diversion at times since May 1979 from basin into Tampa Bypass Canal during high flow. Those discharges below 0.5 ft^3/s are estimated leakage.
COOPERATION.--Records of gate operation and diversions furnished by city of Tampa water department.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.6 ft, Sept. 7, 1933, at former site and datum, from floodmarks, affected by backwater prior to failure of Tampa power dam, 2.1 mi below former gage. A discharge of 16,500 ft^3/s, was measured Sept. 9, 1933.
REVISED RECORDS.--WRD FL-98-3A: Daily discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	135	8.8
2	79	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	355	3.3
3	94	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	337	.97
4	4.2	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	335	5.3
5	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	412	26
6	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	616	23
7	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	595	257
8	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	587	374
9	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	665	332
10	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	665	507
11	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	700	331
12	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	585	490
13	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	584	470
14	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	480	605
15	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	547	974
16	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	564	1190
17	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	592	1110
18	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	432	514
19	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	333	816
20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	291	1270
21	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	230	1270
22	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	293	1440
23	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	240	1560
24	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	212	1630
25	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	212	1620
26	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	74	138	1460
27	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	39	59	1540
28	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	e.20	33	62	1780
29	e.20	e.20	e.20	e.20	---	e.20	e.20	e.20	e.20	26	60	1660
30	e.20	e.20	e.20	e.20	---	e.20	e.20	e.20	e.20	21	84	1360
31	e.20	---	e.20	e.20	---	e.20	---	e.20	---	65	28	---
TOTAL	261.60	6.00	6.20	6.20	5.60	6.20	6.00	6.20	6.00	263.00	11428	24627.37
MEAN	8.44	.20	.20	.20	.20	.20	.20	.20	.20	8.48	369	821
MAX	94	.20	.20	.20	.20	.20	.20	.20	.20	74	700	1780
MIN	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	28	.97
AC-FT	519	12	12	12	11	12	12	12	12	522	22670	48850

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	592	197	200	283	308	494	286	76.5	196	588	1028	1096
MAX	2795	1191	1811	1885	1926	4926	2022	740	1853	4647	5011	4371
(WY)	1954	1998	1998	1998	1998	1960	1959	1959	1959	1945	1945	1953
MIN	.17	.10	.050	.025	.020	.020	.020	.014	.000	.10	.20	17.4
(WY)	1973	1992	1992	1992	1992	1992	1992	1985	1985	1993	1993	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1939 - 2001**	
ANNUAL TOTAL	3509.10		36628.37			
ANNUAL MEAN	9.59		100		446	
HIGHEST ANNUAL MEAN					1718	1960
LOWEST ANNUAL MEAN					12.3	2000
HIGHEST DAILY MEAN	354	Sep 17	1780	Sep 28	13500	Mar 21 1960
LOWEST DAILY MEAN	.20	Jan 1	.20	Oct 5	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.20	Jan 1	.20	Oct 5	.00	Jan 1 1985
MAXIMUM PEAK FLOW					14600	Mar 21 1960
MAXIMUM PEAK STAGE					23.07	Sep 26 1997
ANNUAL RUNOFF (AC-FT)	6960		72650		323300	
10 PERCENT EXCEEDS	9.2		344		1280	
50 PERCENT EXCEEDS	.20		.20		139	
90 PERCENT EXCEEDS	.20		.20		.20	

HILLSBOROUGH RIVER BASIN

02304500 HILLSBOROUGH RIVER NEAR TAMPA, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.63	20.79	20.56	21.04	21.02	20.94	22.25	20.78	17.38	18.87	22.65	22.61
2	22.63	20.72	20.60	21.03	21.14	20.96	22.18	20.69	17.51	18.94	22.64	22.58
3	22.58	20.69	20.61	21.03	21.25	20.97	22.17	20.61	17.44	19.02	22.53	22.56
4	22.54	20.64	20.61	21.01	21.33	21.15	22.20	20.65	17.46	19.12	22.50	22.55
5	22.53	20.55	20.59	21.07	21.35	21.33	22.22	20.60	17.83	19.39	22.52	22.63
6	22.49	20.46	20.54	21.14	21.34	21.31	22.26	20.51	18.30	19.54	22.46	22.66
7	22.46	20.35	20.52	21.12	21.31	21.29	22.27	20.38	18.67	19.66	22.45	22.69
8	22.39	20.30	20.53	21.14	21.36	21.28	22.25	20.18	18.57	19.77	22.45	22.57
9	22.29	20.30	20.52	21.17	21.39	21.27	22.22	20.02	18.45	19.82	22.46	22.56
10	22.24	20.33	20.48	21.17	21.42	21.30	22.15	19.91	18.29	20.00	22.34	22.46
11	22.21	20.36	20.44	21.21	21.42	21.30	22.09	19.82	18.12	20.38	22.26	22.38
12	22.18	20.34	20.47	21.27	21.41	21.28	22.05	19.71	18.09	20.69	22.29	22.34
13	22.15	20.32	20.44	21.35	21.35	21.27	22.03	19.63	17.92	20.98	22.30	22.07
14	22.11	20.32	20.47	21.33	21.32	21.31	22.01	19.45	17.82	21.21	22.32	21.67
15	22.06	20.29	20.51	21.31	21.31	21.30	21.95	19.21	17.81	21.38	22.41	21.80
16	22.00	20.26	20.56	21.29	21.32	21.31	21.84	18.94	17.70	21.52	22.31	21.63
17	21.93	20.25	20.63	21.28	21.35	21.29	21.79	18.81	17.55	21.70	22.30	21.58
18	21.85	20.24	20.67	21.24	21.36	21.28	21.74	18.65	17.50	21.85	22.28	21.24
19	21.79	20.23	20.64	21.21	21.35	21.34	21.73	18.52	17.40	21.88	22.36	21.74
20	21.72	20.21	20.62	21.22	21.28	21.50	21.72	18.40	17.43	21.94	22.40	21.56
21	21.66	20.16	20.67	21.22	21.19	21.55	21.70	18.22	17.43	22.03	22.44	21.73
22	21.57	20.13	20.75	21.20	21.12	21.59	21.65	17.97	17.59	22.15	22.52	21.58
23	21.47	20.10	20.77	21.17	21.11	21.65	21.58	17.72	17.79	22.31	22.50	21.40
24	21.38	20.09	20.77	21.13	21.14	21.70	21.47	17.62	18.00	22.42	22.53	21.45
25	21.26	20.06	20.78	21.09	21.14	21.73	21.34	17.62	18.19	22.44	22.51	21.32
26	21.17	20.29	20.79	21.06	21.14	21.75	21.28	17.65	18.09	22.56	22.48	21.28
27	21.09	20.39	20.76	21.03	21.07	21.72	21.21	17.64	17.96	22.63	22.55	21.40
28	21.05	20.43	20.88	21.01	20.97	21.68	21.14	17.63	17.95	22.68	22.58	21.32
29	21.01	20.48	21.02	20.98	---	21.86	21.03	17.58	18.17	22.66	22.57	21.15
30	20.97	20.51	21.07	20.92	---	22.25	20.89	17.39	18.47	22.65	22.56	21.06
31	20.89	---	21.06	20.90	---	22.27	---	17.32	---	22.66	22.61	---
MEAN	21.88	20.35	20.66	21.14	21.26	21.44	21.81	19.03	17.90	21.12	22.45	21.92
MAX	22.63	20.79	21.07	21.35	21.42	22.27	22.27	20.78	18.67	22.68	22.65	22.69
MIN	20.89	20.06	20.44	20.90	20.97	20.94	20.89	17.32	17.38	18.87	22.26	21.06

HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL

LOCATION.--Lat 28°01'15", long 82°26'05", in NE¼ sec.30, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, near center of span on downstream side of bridge on Rowlett Park Drive, 0.5 mi downstream from control structure for Tampa Reservoir, 4.9 mi northeast of Tampa, and 9.5 mi upstream from mouth.
DRAINAGE AREA.--672 mi^2, approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--December 1996 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.13 ft, Dec. 27, 1997; minimum, 2.29 ft below NGVD, Dec. 25, 2000, Jan. 10, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.29 ft, Sept. 14; minimum, 2.29 ft below NGVD, Dec. 25, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.75	-.64	2.02	-.61	1.16	-1.30	.62	-1.57	1.21	-.72	1.67	-1.04
2	1.59	-.95	2.18	-.54	1.32	-1.05	.34	-1.86	.22	-1.31	1.93	-.79
3	1.46	-.39	1.83	-.62	1.09	-1.10	.46	-1.42	.57	-2.15	2.51	-.78
4	2.42	-.23	1.59	-.52	.61	-1.28	.71	-1.26	1.06	-2.01	2.43	-.43
5	1.89	-.53	1.78	-.27	.92	-1.11	1.79	-1.48	1.04	-2.13	1.28	-1.73
6	1.79	-.40	2.10	.24	1.65	-.71	1.61	-1.41	1.34	-2.18	1.32	-2.09
7	1.91	-.62	2.06	-.19	1.59	-.97	2.11	-1.59	1.41	-2.18	1.26	-2.15
8	1.31	-1.10	2.46	.15	2.09	-1.13	2.14	-1.37	1.56	-2.16	1.46	-2.01
9	.60	-1.84	2.74	.07	2.24	-1.29	2.13	-2.18	1.43	-1.96	1.95	-1.35
10	.77	-1.48	2.86	.01	2.32	-1.38	1.23	-2.29	1.51	-1.72	2.60	-.95
11	1.24	-1.02	2.24	-1.09	2.57	-1.45	2.05	-1.92	1.10	-1.70	1.61	-1.09
12	1.52	-.81	2.14	-1.07	2.71	-1.33	2.08	-1.33	1.05	-1.32	2.07	-.73
13	1.90	-.98	2.46	-.96	2.35	-1.53	1.21	-2.01	1.14	-1.35	2.49	-.78
14	2.12	-.74	3.03	-.71	2.63	-1.33	1.16	-1.39	1.11	-1.28	1.64	-.89
15	2.07	-.90	1.80	-1.67	2.04	-1.43	.93	-1.09	1.29	-1.27	2.60	-.80
16	2.12	-.90	1.94	-.88	1.76	-.65	1.32	-.83	1.26	-1.31	2.01	-.40
17	2.42	-.74	2.35	-.48	2.43	-1.21	1.20	-.94	1.35	-1.42	.94	-.91
18	2.19	-.85	1.68	-1.02	1.05	-1.00	1.52	-1.17	.50	-2.12	1.24	-1.79
19	2.21	-.88	1.76	-.31	1.34	-.99	1.99	-1.01	1.75	-2.19	1.49	-1.52
20	1.98	-.69	1.98	-1.65	.87	-1.68	1.78	-1.18	1.75	-1.42	1.65	-.07
21	2.10	-.79	.42	-1.52	1.40	-1.32	.57	-2.28	1.56	-1.44	1.92	-.82
22	1.92	-.92	.95	-2.07	1.21	-1.64	.58	-2.25	1.70	-1.31	1.17	-1.60
23	1.72	-.86	1.15	-1.36	.84	-2.27	.52	-2.25	1.83	-1.28	1.03	-1.52
24	1.29	-.75	3.10	-1.08	.76	-2.19	.86	-2.02	1.32	-1.31	1.23	-1.23
25	1.75	-.62	3.05	-.04	.91	-2.29	1.26	-2.06	1.65	-.95	1.59	-1.07
26	2.11	-.58	2.60	-.99	1.44	-2.22	.65	-2.11	1.60	-1.10	1.41	-1.53
27	2.11	-.58	2.09	-1.48	1.81	-1.25	.89	-1.67	1.24	-1.08	1.09	-1.83
28	2.06	-.81	2.03	-1.55	2.30	-.66	1.13	-1.51	1.41	-1.08	1.76	-1.81
29	2.37	-.69	1.59	-1.54	2.08	-1.64	1.24	-1.16	---	---	2.65	-1.31
30	2.29	-.71	1.59	-1.64	1.41	-1.63	1.52	-.45	---	---	2.48	-1.06
31	1.90	-.87	---	---	.16	-2.05	1.26	-.41	---	---	1.85	-.77
MONTH	2.42	-1.84	3.10	-2.07	2.71	-2.29	2.14	-2.29	1.83	-2.19	2.65	-2.15

HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.26	-1.11	1.29	-2.08	1.97	-.87	1.85	-.73	2.27	-1.41	2.49	-.65
2	1.27	-1.58	1.24	-1.30	2.13	-.93	2.05	-1.07	2.62	-.21	2.46	-.70
3	1.81	-1.52	1.24	-1.18	1.97	-1.21	2.08	-1.09	3.13	-.01	2.37	-.45
4	1.90	-1.29	1.13	-1.39	2.15	-1.41	2.48	-1.41	3.33	-.03	2.36	-.55
5	1.90	-1.32	1.35	-1.26	2.02	-1.35	2.55	-1.11	3.05	.29	2.29	-.27
6	1.68	-1.16	1.72	-1.42	2.25	-1.46	2.18	-1.23	2.53	.77	2.01	-.48
7	1.66	-1.11	1.91	-1.67	2.23	-1.34	2.59	-1.18	2.48	.77	2.26	-.41
8	1.75	-1.16	1.69	-1.61	1.96	-1.38	2.11	-.95	2.21	.83	2.35	.59
9	1.76	-1.34	2.04	-1.38	1.91	-1.38	2.17	-.94	2.48	.88	2.26	.28
10	1.72	-1.39	2.37	-1.19	2.09	-1.36	2.05	-.76	2.29	1.16	2.51	.68
11	2.53	-1.32	2.08	-1.16	2.03	-1.15	1.86	-.84	2.64	1.11	1.88	-.10
12	2.10	-.99	1.93	-1.17	1.66	-.41	1.84	-.23	2.19	1.01	2.71	.85
13	2.02	-.96	1.81	-1.11	1.28	-.48	1.93	-.04	2.13	.97	2.45	.44
14	1.78	-.98	1.44	-1.09	1.23	-.66	1.69	-.50	2.36	.48	5.29	.96
15	1.80	-.81	1.36	-1.04	1.20	-.82	1.62	-.90	2.74	.90	3.70	1.36
16	1.11	-.74	1.37	-.64	1.49	-.94	1.70	-.80	2.98	.66	4.33	2.29
17	.98	-1.10	1.38	-.61	1.39	-1.32	2.32	-1.02	2.84	.98	4.02	2.28
18	.60	-2.16	1.51	-.56	1.67	-1.40	2.61	-1.39	3.23	.49	3.07	.48
19	.83	-1.51	1.66	-.89	1.92	-1.87	2.60	-1.53	3.33	.07	3.36	1.32
20	1.48	-1.39	1.97	-1.00	1.96	-1.88	2.49	-1.53	2.92	.11	3.85	2.63
21	1.55	-1.07	2.32	-1.04	2.33	-1.90	3.04	-1.14	---	---	3.80	2.66
22	1.38	-1.38	2.51	-1.17	2.32	-1.45	3.31	-.71	---	---	4.11	2.99
23	1.79	-1.29	2.60	-1.46	2.40	-1.59	5.03	-.65	---	---	4.27	3.27
24	1.91	-1.41	2.22	-1.60	2.10	-1.56	2.64	-.43	1.82	-.03	4.33	3.63
25	1.82	-1.62	2.79	-1.55	1.91	-1.70	2.87	-.37	1.89	-.20	4.37	3.53
26	1.16	-2.13	2.50	-1.46	2.31	-1.52	2.62	-.49	1.65	-.68	3.90	3.03
27	1.46	-2.23	2.42	-1.49	1.37	-1.31	1.47	-.55	1.71	-.67	4.39	3.50
28	1.96	-1.93	2.18	-1.32	1.24	-1.36	1.39	-.90	1.82	-.92	5.06	4.04
29	1.43	-1.66	1.85	-1.00	1.57	-.67	1.50	-1.04	1.97	-.94	4.77	3.90
30	1.07	-1.91	1.19	-.93	1.62	-.56	1.53	-1.20	2.23	-.74	4.04	2.77
31	---	---	1.56	-1.03	---	---	1.64	-1.03	2.37	-.64	---	---
MONTH	2.53	-2.23	2.79	-2.08	2.40	-1.90	5.03	-1.53	3.33	-1.41	5.29	-.70
YEAR	5.29	-2.29										

HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1996 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance, temperature, and dissolved oxygen probes located near the surface and 1.0 ft above the bottom.
REMARKS.--Interruptions in record were due to malfunctions of the instruments or when the sensor was out of the water during low tide. Specific conductance and temperature record are rated good. Dissolved oxygen record is rated poor.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 28,300 microsiemens, June 4, 5, 2000; bottom probe maximum, 27,800 microsiemens, June 5, 2000; top probe minimum, 82 microsiemens, Dec. 18, 1997; bottom probe minimum, 87 microsiemens, Dec. 18, 1997.
TEMPERATURE.--Top probe maximum, 33.5°C, June 18, 1998, Aug. 25, 2000; bottom probe maximum, 32.6°C, July 28, 29, 2001; top probe minimum, 9.6°C, Jan. 5, 2001; bottom probe minimum, 11.2°C, Jan. 6, 1999.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 28,000 microsiemens, May 14; bottom probe maximum, 27,500 microsiemens, May 14; top probe minimum, 131 microsiemens, Sept. 22; bottom probe minimum, 137 microsiemens, Sept. 21, 22.
TEMPERATURE.--Top probe maximum, 33.0°C, July 29; bottom probe maximum, 32.6°C, July 28, 29; top probe minimum, 9.6°C, Jan. 5; bottom probe minimum, 11.7°C, Jan. 5.
DISSOLVED OXYGEN PERIOD JUNE TO SEPTEMBER 2001.--Top probe maximum, 10.7 mg/L, July 3; bottom probe maximum, 15.3 mg/L, Sept. 4; top probe minimum, 0.2 mg/L,June 20-23; bottom probe minimum, 0.2 mg/L, July 5-11 (estimated).

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	282	268	21600	19000	14800	12800	21200	18800	15800	14000	21200	19100
2	281	270	22000	18500	15800	13000	20800	17300	14400	13900	20200	18800
3	281	266	22400	18400	16400	13500	21400	19000	14300	12800	19600	18900
4	318	276	22500	18900	17400	15100	21500	19200	16100	10300	19300	10400
5	601	318	22400	19700	21800	15600	22900	19000	17300	12700	14500	11300
6	3500	449	22100	20900	23500	16100	24100	18500	18000	13000	14300	12200
7	7150	1590	22500	20700	25100	18400	24200	18900	19000	14100	14000	12800
8	9660	3640	22500	21000	25200	20100	23800	20300	19300	15400	15400	11900
9	9900	3300	22000	21100	24600	19900	22000	18200	19700	15700	16600	13900
10	11900	7100	21400	20500	24200	20700	20600	18900	20200	16700	18300	14200
11	14400	8730	20800	20200	23900	21600	20000	16300	20200	14800	17700	15000
12	15900	9840	20400	19700	23400	19500	20900	18700	20200	17700	18400	15500
13	17300	11800	20000	19200	21900	20000	20200	18300	20400	18200	18300	16000
14	17800	13700	19600	18400	21400	18500	20100	18400	20100	18400	17700	15900
15	17800	14700	18900	17500	20900	17500	19700	18300	19600	18400	18000	16100
16	17900	14900	18400	17900	20300	18500	19400	18200	19100	18300	17500	16200
17	17100	15500	18100	16800	20200	17100	19200	18400	18900	18000	16900	16200
18	17000	15400	17300	16500	18300	17700	19100	18200	18700	16000	16700	15400
19	16800	15200	17100	15700	18300	17600	19100	18000	20800	16500	17000	13700
20	16400	15200	17200	15400	17900	17100	18000	16200	22100	17800	16300	11900
21	17400	15300	17000	16400	17800	17400	17400	16200	22400	18200	16000	13600
22	18900	15800	17000	15900	17900	17100	17100	16400	22400	19100	15500	13600
23	19500	16400	17100	15400	19300	16600	16800	16400	22000	19300	15300	13500
24	19300	16800	19500	15500	19700	16100	16400	14000	21500	19300	16400	13800
25	19600	17000	20000	10900	21400	17500	16800	14500	21900	19700	18300	14400
26	20300	17400	16600	9210	23100	17600	16600	13900	22300	19500	18400	15000
27	20400	17100	13600	11400	23800	19200	17800	14400	22000	20000	18200	15100
28	20900	17700	13600	11200	24600	16800	17900	15200	21900	19900	18800	15500
29	21200	18500	13500	11700	22600	17600	17500	15800	---	---	18700	4000
30	21400	18300	14000	10300	22000	18700	17500	16200	---	---	11300	4140
31	21000	18800	---	---	21100	19400	16800	15700	---	---	11100	8250
MONTH	21400	266	22500	9210	25200	12800	24200	13900	22400	10300	21200	4000

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9720	8430	22000	20400	25900	22700	4220	2420	525	501	287	261
2	9520	8800	23900	21200	24300	21500	4440	3260	528	448	293	265
3	10100	8940	24300	21600	24200	23100	4730	3920	464	401	327	272
4	11800	8890	25000	22500	24200	7150	6190	3610	408	385	1250	277
5	12800	9640	25900	23100	21900	6500	8670	4080	401	377	319	238
6	15000	10700	26200	24100	16100	2650	8700	5590	391	371	277	246
7	16700	11600	26600	24700	10300	4550	10100	5760	390	377	266	247
8	17500	13200	26300	24900	9620	7650	10100	6230	388	359	272	253
9	17600	14400	26500	25000	9820	8670	10200	6930	377	352	274	262
10	17600	15100	26600	25300	10200	8740	10400	6790	358	313	291	268
11	17500	15200	26800	25500	10700	9360	9820	4160	320	286	304	286
12	16900	14900	27400	25600	10800	9480	9220	5740	289	269	313	288
13	17000	14700	27800	25800	11000	9700	9510	6110	276	251	298	268
14	16800	15000	28000	25400	11400	9720	9110	6770	257	249	276	213
15	16600	15300	27800	26100	13400	9320	9970	7170	261	244	227	203
16	16300	15400	27400	24900	16000	11000	15100	8630	259	242	212	195
17	16200	15200	25800	22400	17700	12300	18600	7480	259	241	209	179
18	15900	14400	24500	23300	19300	10300	16700	11800	257	237	198	177
19	17900	14700	24800	24100	20300	7440	17200	13200	251	234	190	168
20	22700	15500	25800	23900	19400	14800	16900	13800	250	235	173	153
21	23700	17600	26800	24700	19900	4030	16200	13300	252	239	157	133
22	24000	19700	27000	24600	16700	9960	15200	13700	---	---	145	131
23	24400	20700	26700	24200	16100	11300	14900	10600	253	247	151	140
24	24500	22000	26200	25400	15600	11000	11800	10000	259	247	188	148
25	24000	21700	26200	24700	15900	12200	11400	7930	259	248	169	161
26	23200	22000	26500	25400	16600	10900	9300	561	263	250	175	161
27	22500	21500	26700	25400	16300	13800	601	496	271	250	178	164
28	22200	21100	26700	25500	16500	4970	562	502	268	253	171	163
29	22100	20300	26700	25600	12700	4220	549	491	270	255	175	166
30	21700	21000	26500	24500	10100	2100	565	502	271	254	180	169
31	---	---	26100	25100	---	---	551	500	284	260	---	---
MONTH	24500	8430	28000	20400	25900	2100	18600	491	528	234	1250	131
YEAR	28000	131										

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	322	306	21400	19200	14700	12800	21900	18800	15900	14700	20900	20000
2	331	305	21800	20100	15900	14100	22100	15900	14800	14000	20000	19400
3	310	299	22000	20000	16200	15300	22700	16200	14200	13800	19400	18800
4	329	298	22700	21100	16800	15200	22700	20700	16400	13200	19000	16100
5	729	329	22700	21100	21800	16100	24200	19500	17300	15300	16600	14300
6	5090	644	22500	21400	23200	21300	24600	20500	18100	15700	14700	13500
7	10300	2090	22800	21000	24200	21800	24500	20900	19200	15600	14700	13300
8	11500	5350	22800	21400	24400	22600	23600	21300	19400	17000	15600	13500
9	11500	6650	22000	21000	24300	22400	22000	19500	20200	18000	16600	14100
10	13000	8070	21300	20400	24200	22500	20300	18800	20700	18600	18600	16100
11	15200	10200	20600	20100	23800	21300	19800	18800	20400	19100	18100	16100
12	16300	12900	20200	19600	21900	20100	21100	18900	20600	19100	18200	16500
13	17500	13600	19800	19400	20900	18600	19900	18400	20400	19200	18100	17000
14	17700	14600	19500	18600	20400	18500	20200	18900	20200	19200	17700	16200
15	17900	15000	18800	18200	20100	18800	19600	18900	20000	19000	17700	16700
16	17400	15200	18300	18000	19800	18200	19300	18800	19100	18500	17300	16500
17	17000	15300	18200	17300	19900	16600	19000	18600	18700	18300	17000	16100
18	16400	15100	17300	16800	18000	14400	18900	18300	18400	17700	16500	16000
19	16400	14900	17000	16700	17800	14600	18800	18100	21600	17500	16800	15300
20	16200	14900	17400	16400	17500	14100	18200	17100	22400	19800	16800	14500
21	18100	15000	17100	16300	17400	15700	17100	16400	22600	20500	15800	13800
22	18700	15800	17000	16100	17200	11700	16900	16400	22300	20100	15500	13700
23	19200	16600	17200	15900	16300	11300	16400	16000	21800	20100	15300	14200
24	19000	17000	19600	16200	17900	12600	16300	15700	21600	19800	16500	14700
25	19200	17300	19800	15800	18300	12200	16600	15300	22200	20600	18500	15900
26	19700	17300	16800	14200	16700	12400	16400	15300	22500	20800	18700	17100
27	19900	17600	14500	12600	22800	14700	18100	15700	22100	21000	18600	16800
28	20300	17900	13100	11800	24400	16900	17900	16600	21700	20700	19000	16800
29	20700	17500	13100	11800	23700	14900	17800	16700	---	---	18600	13800
30	20900	18100	13700	11200	23000	18400	17400	16800	---	---	13800	10900
31	20900	18500	---	---	21800	17600	16800	15900	---	---	12400	10200
MONTH	20900	298	22800	11200	24400	11300	24600	15300	22600	13200	20900	10200

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11300	9870	---	---	---	---	4340	2950	649	524	313	267
2	9870	9220	---	---	---	---	4200	3580	548	468	303	273
3	---	---	---	---	---	---	4590	4150	474	420	346	282
4	12400	9540	---	---	---	---	6650	4270	422	401	1650	280
5	13500	10600	---	---	---	---	9010	4490	412	391	323	234
6	15200	12200	---	---	---	---	9520	7130	401	388	306	216
7	16900	14100	26300	24700	---	---	10700	8370	404	391	264	247
8	17700	15900	26200	24800	---	---	10300	7750	394	378	273	258
9	17900	16200	26200	25000	---	---	10800	9150	378	343	283	272
10	17200	10700	26300	25100	---	---	11200	9390	343	310	299	277
11	17000	10700	26600	25400	---	---	10600	7700	312	282	313	297
12	16500	15200	27300	25500	---	---	9480	7770	285	219	319	302
13	16400	13400	26900	25600	---	---	10400	8230	256	238	305	279
14	16600	14300	27500	25700	---	---	9910	8320	255	250	284	219
15	16100	12800	---	---	---	---	11100	9360	252	248	230	215
16	16100	13000	---	---	17000	15000	17500	10900	249	246	225	203
17	16100	13900	---	---	17900	16900	19500	16000	251	243	215	179
18	15700	14000	---	---	19200	17400	17500	15700	250	241	200	179
19	19300	14900	---	---	19900	18300	17500	15800	247	241	189	168
20	23000	18300	---	---	19700	18800	17300	15900	251	240	179	156
21	23500	21000	---	---	20000	19400	16700	15800	250	240	163	137
22	23700	17400	---	---	19700	18800	15800	14900	---	---	150	137
23	24300	21700	---	---	18800	18000	15200	14200	250	247	161	142
24	---	---	---	---	18000	17300	14300	11600	253	248	169	151
25	---	---	---	---	17400	16800	12000	10900	255	249	172	162
26	---	---	---	---	16800	16400	11200	1020	272	252	177	165
27	---	---	---	---	17000	15900	1240	490	264	252	173	165
28	---	---	---	---	17100	10800	657	541	264	253	167	164
29	---	---	---	---	14700	9100	571	516	270	254	171	165
30	---	---	---	---	10700	2950	582	519	286	255	175	169
31	---	---	---	---	---	---	950	529	306	260	---	---
MONTH	24300	9220	27500	24700	20000	2950	19500	490	649	219	1650	137
YEAR	27500	137										

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.0	26.4	24.4	22.4	19.6	17.2	13.5	12.0	20.4	19.8	25.1	23.8
2	29.1	26.1	24.4	22.1	20.2	17.6	13.4	11.9	20.3	19.2	25.1	24.0
3	27.3	26.1	24.6	22.4	20.0	18.4	13.9	10.9	19.2	17.7	25.3	24.4
4	28.2	26.4	25.3	23.0	19.1	17.7	13.1	11.0	17.7	15.5	25.3	22.8
5	29.7	26.9	25.5	23.1	18.8	16.9	14.0	9.6	18.1	15.9	23.5	20.7
6	29.3	27.5	25.3	23.5	18.7	14.6	14.7	11.9	17.8	14.8	21.7	17.9
7	29.7	27.7	25.7	23.6	18.6	16.0	15.5	11.7	18.6	15.2	20.3	17.2
8	29.1	26.9	25.8	23.8	19.6	16.5	16.0	13.8	20.2	16.7	19.7	16.9
9	27.1	23.4	25.1	24.2	20.6	18.2	16.3	13.5	21.3	18.1	20.2	17.5
10	23.7	21.2	25.3	24.4	21.4	18.8	14.8	12.3	21.8	19.4	21.5	19.1
11	24.2	20.9	24.5	22.9	21.9	20.4	15.1	12.0	23.2	20.7	22.3	19.4
12	24.2	20.8	23.3	21.5	22.5	21.2	16.4	14.2	23.5	21.7	23.9	20.5
13	24.5	21.3	22.8	20.9	22.9	21.7	16.0	14.1	23.4	22.1	23.8	22.7
14	24.9	22.0	23.0	22.3	23.3	22.1	16.1	14.0	23.7	22.3	22.8	21.9
15	25.0	22.5	22.5	20.4	23.6	22.5	17.2	15.0	24.1	22.7	24.4	22.5
16	24.7	22.4	21.5	19.3	23.8	22.9	18.6	16.3	24.1	22.7	24.6	23.5
17	24.3	22.4	22.5	21.0	23.6	21.4	18.8	17.2	23.6	22.6	24.6	23.5
18	24.3	22.5	22.3	21.4	21.5	19.4	19.4	18.2	22.7	20.4	23.6	21.4
19	25.1	22.8	23.1	21.7	19.4	16.5	20.6	18.8	22.0	19.0	21.4	20.3
20	26.0	23.7	22.4	20.7	17.2	14.3	21.1	19.0	22.4	19.5	21.6	20.4
21	25.7	24.2	20.8	18.3	15.2	12.6	19.0	15.0	23.4	20.9	21.3	19.3
22	25.2	24.1	18.3	16.1	15.2	12.9	16.5	14.2	23.2	21.4	20.6	17.8
23	24.9	23.7	17.3	15.2	16.0	13.7	15.7	14.1	24.3	22.0	22.1	18.1
24	24.6	23.3	19.7	15.7	16.5	13.8	15.9	13.3	24.1	21.8	22.8	19.2
25	24.5	22.5	21.2	18.0	17.1	14.7	15.7	13.1	24.7	22.6	23.1	20.2
26	24.8	22.4	20.8	20.1	18.1	13.9	15.0	13.0	25.2	23.4	22.8	21.0
27	24.9	22.6	20.6	18.6	18.7	15.3	15.5	12.5	25.5	23.7	22.7	20.4
28	24.5	22.2	20.0	17.9	18.9	17.5	16.2	13.4	25.3	23.6	22.2	20.0
29	24.6	22.7	19.5	17.7	18.5	16.4	17.0	14.9	---	---	21.8	18.7
30	24.7	23.2	19.7	17.4	17.2	14.3	18.2	16.6	---	---	22.8	18.8
31	24.8	23.0	---	---	15.4	12.8	20.3	18.0	---	---	22.7	21.6
MONTH	29.7	20.8	25.8	15.2	23.8	12.6	21.1	9.6	25.5	14.8	25.3	16.9

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.2	21.6	24.4	22.2	29.6	28.1	29.5	25.6	29.9	28.6	32.6	28.9
2	23.8	21.4	25.6	22.9	30.2	27.7	31.1	26.7	28.7	27.6	31.6	29.6
3	24.0	21.3	24.4	22.8	31.9	28.2	32.0	27.9	28.3	27.4	32.9	29.3
4	25.0	22.5	26.0	22.3	31.3	26.9	30.8	28.6	28.1	27.6	31.5	30.0
5	25.5	23.1	26.5	22.6	30.0	25.8	30.1	28.0	28.7	27.6	31.6	29.4
6	26.3	23.1	26.4	23.3	29.0	25.4	30.8	28.3	29.1	27.8	32.0	28.8
7	26.7	23.4	26.4	23.8	29.5	25.8	29.8	28.4	28.5	27.7	29.7	28.9
8	27.3	23.9	25.4	24.0	30.3	27.1	30.5	27.9	28.5	27.5	29.6	28.7
9	27.3	24.6	25.3	23.8	30.8	28.2	29.8	28.7	28.7	27.8	29.3	28.8
10	27.1	24.8	25.7	23.7	31.1	28.7	29.5	28.6	28.5	27.5	29.2	28.6
11	27.7	25.2	25.6	23.7	31.0	28.9	28.7	26.3	28.8	27.8	29.5	28.2
12	27.1	25.9	26.6	23.7	31.0	29.2	30.1	27.7	29.0	27.9	28.8	28.0
13	28.1	26.1	26.6	24.2	31.7	29.4	29.6	28.1	28.9	27.9	28.0	27.1
14	28.4	26.5	26.5	24.7	32.9	29.5	31.1	28.6	28.7	27.8	27.1	24.4
15	28.6	26.8	27.2	25.1	32.6	29.4	30.6	28.6	28.7	27.9	24.4	23.9
16	29.0	26.9	28.3	25.6	32.4	29.0	30.5	28.3	28.8	28.2	24.4	23.5
17	27.4	25.4	29.5	26.1	32.2	29.2	30.0	28.7	29.8	28.2	25.1	24.0
18	25.6	22.3	29.8	26.5	32.1	28.6	31.4	28.7	29.3	28.5	25.7	24.3
19	24.5	21.8	29.8	26.5	31.5	27.9	31.7	28.9	29.4	28.5	26.0	24.3
20	25.1	21.0	29.4	26.5	31.1	28.0	31.0	29.4	29.3	28.3	26.2	25.1
21	26.2	22.1	29.7	26.3	30.3	28.1	30.1	29.2	---	---	25.8	25.1
22	26.1	22.2	30.4	26.9	29.2	26.6	30.2	28.8	---	---	27.1	25.4
23	26.7	23.2	30.1	27.6	27.6	26.6	29.5	27.4	---	---	27.1	25.6
24	27.6	24.3	30.2	27.5	27.7	25.6	29.3	26.8	29.7	28.2	27.0	26.2
25	26.0	25.0	29.8	27.3	28.8	26.6	29.7	28.2	29.5	28.2	26.5	26.2
26	26.4	24.2	29.7	27.6	29.6	27.2	30.7	28.5	29.5	27.4	26.2	25.6
27	25.6	23.0	29.2	27.2	31.3	27.9	31.7	28.3	30.6	27.4	25.6	25.2
28	25.3	23.3	29.0	27.5	30.9	27.0	32.9	28.7	31.6	28.1	25.3	24.9
29	24.8	23.5	29.9	27.7	29.2	26.9	33.0	28.7	31.0	28.2	25.0	24.3
30	23.9	22.6	31.4	28.3	29.8	25.6	32.5	29.2	30.5	28.1	24.4	23.7
31	---	---	32.3	28.5	---	---	30.4	28.9	30.7	27.8	---	---
MONTH	29.0	21.0	32.3	22.2	32.9	25.4	33.0	25.6	31.6	27.4	32.9	23.5
YEAR	33.0	9.6										

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.2	26.6	24.6	23.5	19.9	19.0	14.4	13.5	19.9	19.0	24.7	24.0
2	28.1	26.3	24.5	23.6	20.4	19.8	13.7	12.9	19.9	19.3	24.7	24.1
3	27.4	26.3	24.3	23.5	20.4	20.1	14.1	13.4	19.3	18.0	24.8	24.3
4	27.4	26.4	24.6	24.0	20.1	18.9	14.1	13.1	18.1	17.4	25.0	24.1
5	28.5	26.9	24.5	24.1	19.3	18.5	14.7	11.7	17.8	17.4	24.1	22.5
6	28.8	27.9	24.6	23.8	19.3	18.7	15.0	13.4	17.7	17.0	22.5	20.1
7	28.5	27.9	24.7	24.0	18.8	18.2	15.3	13.5	18.5	17.1	20.6	17.7
8	28.4	27.5	25.0	24.1	19.1	18.0	15.9	14.6	19.5	18.3	19.8	17.3
9	27.5	23.7	24.9	24.3	20.3	18.9	16.2	14.4	20.5	19.2	20.3	18.5
10	23.9	22.1	25.2	24.5	21.1	19.7	14.6	12.9	21.2	20.0	21.1	20.2
11	23.5	22.0	24.6	22.9	21.8	20.7	14.9	12.9	22.1	20.7	21.6	20.5
12	23.8	22.8	23.3	21.4	22.2	21.4	16.3	14.7	22.7	21.6	22.4	21.1
13	24.3	22.7	22.6	20.9	22.8	21.8	16.0	14.6	23.1	22.2	22.7	22.2
14	24.6	23.0	22.9	22.3	23.2	22.2	16.1	15.0	23.4	22.4	22.7	22.3
15	24.9	23.0	22.5	20.1	23.5	22.7	16.8	15.6	23.3	22.7	23.6	22.4
16	24.7	23.0	21.1	19.0	23.7	22.8	17.6	16.3	23.3	22.7	23.8	23.3
17	24.3	22.5	21.9	20.4	23.6	21.7	18.1	17.3	23.3	22.7	23.8	23.5
18	24.3	22.5	22.2	21.3	21.7	19.6	19.1	18.1	22.7	21.1	23.5	21.8
19	24.3	22.8	22.5	21.7	19.6	17.0	19.3	18.9	22.3	19.7	21.8	21.0
20	25.0	23.7	22.4	21.0	17.5	14.9	20.4	19.2	22.3	21.6	21.6	21.3
21	25.3	24.2	21.0	18.4	15.5	13.3	19.2	16.8	22.7	22.0	21.4	20.4
22	25.0	24.4	18.4	16.5	15.3	13.3	16.9	14.7	22.9	22.4	20.4	19.9
23	24.6	23.8	17.4	15.4	16.2	13.4	15.7	14.1	23.4	22.5	20.5	19.8
24	24.3	23.3	19.7	16.0	16.6	14.9	15.3	13.6	23.6	22.1	21.2	20.2
25	24.2	22.9	20.5	18.9	17.0	15.2	15.6	13.5	24.2	23.2	21.9	21.2
26	24.2	22.8	20.7	20.2	18.1	15.5	15.0	13.2	25.0	23.8	22.1	21.7
27	24.3	22.8	20.7	19.8	18.6	17.1	15.6	14.2	25.1	24.0	22.1	21.0
28	24.3	22.4	20.1	18.3	18.9	18.2	16.1	14.9	25.0	24.1	21.8	20.4
29	24.5	23.0	19.7	18.0	18.8	17.5	16.9	15.7	---	---	21.7	20.7
30	24.7	23.6	19.6	17.9	17.5	15.8	17.7	16.7	---	---	21.1	20.4
31	24.8	23.6	---	---	15.9	14.2	19.0	17.6	---	---	21.8	21.1
MONTH	28.8	22.0	25.2	15.4	23.7	13.3	20.4	11.7	25.1	17.0	25.0	17.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.4	21.7	23.9	22.9	28.4	28.1	27.9	25.7	29.9	28.6	31.6	28.8
2	22.4	21.7	24.0	23.6	28.1	27.7	28.7	26.8	28.7	27.7	31.1	29.5
3	22.5	21.8	24.1	23.8	28.4	27.9	29.6	27.9	28.4	27.4	30.9	29.3
4	23.4	22.4	24.0	23.5	28.5	28.3	29.4	28.7	28.1	27.6	31.4	29.7
5	23.9	23.1	24.2	23.8	28.5	28.2	28.8	28.4	28.7	27.7	31.4	29.4
6	24.4	23.5	24.4	24.0	28.2	27.5	28.9	28.6	29.1	27.8	30.9	28.8
7	24.7	24.0	24.5	23.9	27.5	27.2	29.4	28.8	28.5	27.7	29.7	28.8
8	24.9	24.3	24.6	24.2	27.5	27.2	29.4	28.5	28.5	27.5	29.6	28.7
9	25.3	24.7	24.6	24.1	27.9	27.5	29.2	28.8	28.7	27.8	29.3	28.7
10	25.5	25.0	24.4	23.9	28.3	27.9	29.2	28.8	28.5	27.6	29.1	28.5
11	25.8	25.3	24.1	23.8	28.5	28.3	29.1	27.7	28.9	27.8	29.5	28.1
12	26.1	25.6	24.3	23.9	28.7	28.5	29.2	28.0	29.0	27.9	28.8	28.0
13	26.1	25.8	24.7	24.2	28.9	28.7	29.2	28.9	29.0	27.9	28.0	27.0
14	26.4	26.0	25.0	24.5	29.1	28.8	29.4	28.8	28.7	27.8	27.0	24.3
15	26.9	26.3	25.1	24.8	29.7	29.0	29.5	28.9	28.7	27.9	24.3	23.9
16	27.1	26.6	25.2	25.0	29.1	29.0	29.5	29.0	28.8	28.2	24.4	23.4
17	26.9	25.9	25.6	25.2	29.1	29.0	29.5	29.2	29.8	28.2	25.1	24.0
18	25.9	24.1	26.2	25.6	29.0	28.9	29.3	28.8	29.3	28.5	25.7	24.3
19	24.1	22.9	26.5	26.1	28.9	28.8	29.6	29.1	29.4	28.5	26.0	24.3
20	24.2	23.4	26.5	26.2	28.9	28.6	29.8	29.4	29.3	28.3	26.1	25.0
21	24.4	24.1	26.5	26.2	28.8	28.6	29.8	29.4	---	---	25.8	25.1
22	24.6	24.1	26.9	26.4	28.8	28.3	29.5	29.0	---	---	27.1	25.4
23	24.7	24.4	27.5	26.9	28.3	27.7	29.4	28.6	---	---	27.1	25.5
24	25.1	24.7	27.5	27.1	27.7	27.3	28.6	27.8	29.7	28.2	26.9	26.1
25	25.2	25.1	27.5	27.1	27.3	27.2	29.3	28.4	29.4	28.2	26.5	26.1
26	25.2	24.7	27.6	27.3	27.7	27.3	29.3	28.6	29.5	27.5	26.2	25.6
27	24.9	23.7	27.5	27.2	29.6	27.7	30.9	28.2	30.6	27.4	25.6	25.1
28	24.2	23.7	27.6	27.3	29.2	28.4	32.6	28.7	31.6	28.1	25.2	24.9
29	24.2	23.8	27.7	27.4	29.0	27.7	32.6	28.8	30.9	28.2	24.9	24.2
30	24.0	23.3	27.9	27.7	28.0	25.9	32.3	29.2	30.4	28.1	24.3	23.7
31	---	---	28.4	27.9	---	---	30.2	29.1	30.7	27.7	---	---
MONTH	27.1	21.7	28.4	22.9	29.7	25.9	32.6	25.7	31.6	27.4	31.6	23.4
YEAR	32.6	11.7										

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

OXYGEN DISSOLVED (MG/L), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	6.5	3.5	---	---	5.8	1.8
2	---	---	---	---	---	---	8.6	2.2	6.6	4.5	6.0	.8
3	---	---	---	---	---	---	10.7	2.5	6.6	5.3	5.5	.8
4	---	---	---	---	---	---	9.5	3.1	6.0	4.5	4.3	.8
5	---	---	---	---	---	---	7.2	1.1	7.0	4.7	5.4	2.3
6	---	---	---	---	---	---	8.2	1.1	6.7	5.6	6.3	2.6
7	---	---	---	---	---	---	6.3	1.0	5.9	5.4	5.8	4.3
8	---	---	---	---	---	---	7.4	1.3	6.1	3.2	5.3	4.5
9	---	---	---	---	---	---	6.0	1.7	---	---	5.4	4.4
10	---	---	---	---	---	---	3.6	1.5	---	---	5.4	4.5
11	---	---	---	---	---	---	4.3	1.6	---	---	5.3	4.3
12	---	---	---	---	---	---	4.4	.3	---	---	5.5	4.4
13	---	---	---	---	---	---	4.9	1.3	---	---	5.2	4.8
14	---	---	---	---	---	---	5.8	1.6	---	---	6.7	4.9
15	---	---	---	---	---	---	6.5	1.6	---	---	7.2	6.3
16	---	---	---	---	5.4	1.4	5.7	1.3	5.3	4.8	7.1	5.8
17	---	---	---	---	6.5	1.2	5.8	1.0	5.4	3.9	---	---
18	---	---	---	---	5.5	1.1	6.9	1.1	4.7	3.9	---	---
19	---	---	---	---	4.8	.7	7.6	1.1	5.2	4.1	---	---
20	---	---	---	---	7.2	e.2	7.9	1.2	5.1	4.5	---	---
21	---	---	---	---	7.1	e.2	5.8	1.1	---	---	---	---
22	---	---	---	---	3.6	e.2	5.9	1.1	---	---	---	---
23	---	---	---	---	4.0	.2	3.6	1.2	---	---	---	---
24	---	---	---	---	7.7	.3	6.3	1.1	5.3	4.5	---	---
25	---	---	---	---	9.8	1.0	---	---	5.1	4.1	---	---
26	---	---	---	---	8.4	2.9	4.9	2.6	5.3	2.0	---	---
27	---	---	---	---	9.4	2.8	---	---	5.6	3.7	---	---
28	---	---	---	---	7.7	1.6	---	---	6.0	3.2	---	---
29	---	---	---	---	6.7	1.2	---	---	5.6	2.9	---	---
30	---	---	---	---	8.5	1.4	---	---	5.4	1.6	---	---
31	---	---	---	---	---	---	---	---	5.7	1.6	---	---
MONTH	---	---	---	---	9.8	.2	10.7	.3	7.0	1.6	7.2	.8
YEAR	10.7	.2										

e Estimated

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

OXYGEN DISSOLVED (MG/L), PERIOD JUNE TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	6.7	.6	---	---	5.9	2.7
2	---	---	---	---	---	---	4.5	.7	6.5	2.1	6.0	3.1
3	---	---	---	---	---	---	2.4	1.2	6.9	.8	5.7	3.5
4	---	---	---	---	---	---	3.1	.6	6.8	6.0	15.3	3.7
5	---	---	---	---	---	---	2.4	e.2	7.3	5.6	7.0	4.5
6	---	---	---	---	---	---	1.8	e.2	8.2	4.5	9.2	3.2
7	---	---	---	---	---	---	1.8	e.2	6.5	5.8	7.1	3.8
8	---	---	---	---	---	---	1.3	e.2	8.2	5.9	7.2	5.3
9	---	---	---	---	---	---	1.2	e.2	10.0	8.0	7.1	5.8
10	---	---	---	---	---	---	1.1	e.2	9.1	8.2	8.9	6.3
11	---	---	---	---	---	---	3.0	e.2	8.8	7.8	7.2	5.9
12	---	---	---	---	---	---	---	---	8.1	7.0	7.2	5.9
13	---	---	---	---	---	---	---	---	7.6	6.5	6.8	6.3
14	---	---	---	---	---	---	---	---	7.6	5.6	7.8	5.7
15	---	---	---	---	---	---	---	---	6.6	5.8	8.5	6.7
16	---	---	---	---	---	---	---	---	6.4	5.6	8.1	6.7
17	---	---	---	---	---	---	---	---	6.4	5.5	9.2	6.1
18	---	---	---	---	---	---	---	---	6.1	5.4	9.7	7.2
19	---	---	---	---	---	---	1.3	.3	6.0	5.4	8.2	4.8
20	---	---	---	---	---	---	3.5	1.3	6.7	4.5	7.1	5.0
21	---	---	---	---	---	---	5.6	1.8	---	---	6.5	5.2
22	---	---	---	---	---	---	5.3	4.2	---	---	7.6	4.7
23	---	---	---	---	---	---	6.4	2.8	---	---	10.0	7.0
24	---	---	---	---	---	---	5.9	5.3	7.9	6.1	11.2	5.9
25	---	---	---	---	---	---	7.9	5.1	7.0	4.3	7.4	3.8
26	---	---	---	---	---	---	---	---	6.4	5.0	11.3	5.4
27	---	---	---	---	---	---	---	---	7.1	4.8	8.7	7.4
28	---	---	---	---	3.4	.7	---	---	9.1	5.1	9.8	5.7
29	---	---	---	---	---	---	---	---	6.8	4.6	12.3	6.4
30	---	---	---	---	---	---	---	---	6.1	4.4	11.5	7.6
31	---	---	---	---	---	---	---	---	7.1	4.3	---	---
MONTH	---	---	---	---	3.4	.7	7.9	.2	10.0	.8	15.3	2.7
YEAR	15.3	.2										

e Estimated

HILLSBOROUGH RIVER BASIN

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 28°00'48", long 82°26'29", in NE ¼ sec.30, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, attached to a private boat dock on left bank, 4,500 ft upstream from the Nebraska Avenue bridge, and approximately 1.3 mi downstream from the Hillsborough River Dam.
DRAINAGE AREA.--634 mi^2.
PERIOD OF RECORD.--June to September 2001.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance, temperature, and dissolved oxygen probes located near the surface and 1.0 ft above the bottom.
REMARKS.--Interruptions in record were due to malfunctions of the instruments. Specific conductance and temperature records good.
EXTREMES FOR CURRENT PERIOD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 25,000 microsiemens, June 18; bottom probe maximum, 30,700 microsiemens, July 16; top probe minimum, 108 microsiemens, Sept. 22; bottom probe minimum, 137 microsiemens, Sept. 14.
TEMPERATURE.--Top probe maximum, 32.3°C, June 16; bottom probe maximum, 31.6°C, July 30; top probe minimum, 23.3°C, Sept. 15; bottom probe minimum, 23.0°C, Sept. 15.
DISSOLVED OXYGEN.--Top probe maximum, 12.5 mg/L, Aug. 1; bottom probe maximum, 13.9 mg/L, Aug. 1; top probe minimum, <0.2 mg/L, Sept. 4; bottom probe minimum, <0.2 mg/L, June 20-27.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	5730	3590	530	515	1270	270
2	---	---	---	---	---	---	5260	3910	547	371	3020	321
3	---	---	---	---	---	---	7320	4360	460	415	3550	464
4	---	---	---	---	---	---	12200	5320	420	395	4190	631
5	---	---	---	---	---	---	10400	6230	408	351	2420	238
6	---	---	---	---	---	---	13900	7350	389	375	336	245
7	---	---	---	---	---	---	16200	6900	391	383	263	241
8	---	---	---	---	---	---	12300	7470	384	363	268	254
9	---	---	---	---	---	---	13600	9010	366	258	271	264
10	---	---	---	---	---	---	14200	8670	334	311	289	270
11	---	---	---	---	---	---	14800	8110	313	283	302	288
12	---	---	---	---	---	---	14200	8090	285	267	308	293
13	---	---	---	---	---	---	13700	9110	269	250	297	271
14	---	---	---	---	---	---	14200	8650	252	246	274	145
15	---	---	---	---	---	---	20000	9700	251	246	220	168
16	---	---	---	---	22700	13200	24900	11900	248	245	215	201
17	---	---	---	---	24000	16100	24000	11900	249	242	213	185
18	---	---	---	---	25000	17800	20000	14000	247	221	213	184
19	---	---	---	---	24300	14400	19200	15200	244	239	207	173
20	---	---	---	---	22100	18100	18200	15700	243	238	177	159
21	---	---	---	---	21000	13500	17100	14900	253	237	160	136
22	---	---	---	---	19900	14400	15600	14500	246	238	151	108
23	---	---	---	---	19300	14900	14900	10400	251	241	149	140
24	---	---	---	---	19100	14100	12100	10600	253	245	161	148
25	---	---	---	---	19300	14500	11800	9740	255	237	165	159
26	---	---	---	---	19400	15300	10900	552	260	248	171	161
27	---	---	---	---	19300	16600	622	553	265	254	168	161
28	---	---	---	---	19100	11800	566	524	264	254	169	159
29	---	---	---	---	15600	9320	577	516	264	255	168	160
30	---	---	---	---	12700	2330	571	540	668	253	172	163
31	---	---	---	---	---	---	596	358	347	262	---	---
MONTH	---	---	---	---	25000	2330	24900	358	668	221	4190	108
YEAR	25000	108										

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	8290	839	535	517	2460	270
2	---	---	---	---	---	---	7880	799	554	364	4580	375
3	---	---	---	---	---	---	9630	3020	466	416	6050	642
4	---	---	---	---	---	---	14700	5350	425	396	8150	742
5	---	---	---	---	---	---	16400	6740	415	350	3790	242
6	---	---	---	---	---	---	21100	8570	397	378	417	244
7	---	---	---	---	---	---	18300	8630	396	380	270	240
8	---	---	---	---	---	---	17200	9270	391	368	273	256
9	---	---	---	---	---	---	19000	10400	371	285	278	267
10	---	---	---	---	---	---	16100	9470	338	310	294	275
11	---	---	---	---	---	---	16500	9790	313	282	308	293
12	---	---	---	---	---	---	20600	11300	286	265	315	297
13	---	---	---	---	---	---	18900	10900	270	249	303	276
14	---	---	---	---	---	---	18500	10600	253	246	281	137
15	---	---	---	---	---	---	25200	13600	252	245	222	163
16	---	---	---	---	27500	21700	30700	21800	249	243	224	205
17	---	---	---	---	29000	18600	26600	15400	249	240	214	195
18	---	---	---	---	26700	19100	23500	16000	248	226	---	---
19	---	---	---	---	28100	17300	21000	15300	245	237	---	---
20	---	---	---	---	28100	18500	19700	14800	245	237	---	---
21	---	---	---	---	21700	15000	23200	14300	270	235	---	---
22	---	---	---	---	20500	14600	18700	10100	245	235	---	---
23	---	---	---	---	20600	15000	15900	12600	250	241	---	---
24	---	---	---	---	20600	14600	17200	10000	250	243	---	---
25	---	---	---	---	20900	14800	15000	9730	257	237	---	---
26	---	---	---	---	22300	15700	12400	564	260	247	---	---
27	---	---	---	---	20000	14600	635	395	272	251	---	---
28	---	---	---	---	20100	13700	573	526	266	251	---	---
29	---	---	---	---	17500	10100	583	516	268	252	---	---
30	---	---	---	---	14100	2270	574	542	2230	253	---	---
31	---	---	---	---	---	---	602	307	430	262	---	---
MONTH	---	---	---	---	29000	2270	30700	307	2230	226	8150	137
YEAR	30700	137										

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	28.1	25.7	29.7	28.6	30.6	28.4
2	---	---	---	---	---	---	29.6	26.6	29.0	26.8	30.4	28.7
3	---	---	---	---	---	---	30.7	27.6	28.3	27.3	30.9	28.7
4	---	---	---	---	---	---	29.9	28.2	28.2	27.6	30.6	28.8
5	---	---	---	---	---	---	29.5	27.9	28.6	27.6	30.3	29.1
6	---	---	---	---	---	---	30.4	28.2	28.9	27.7	30.5	28.9
7	---	---	---	---	---	---	29.4	28.3	28.7	27.6	29.9	28.8
8	---	---	---	---	---	---	29.9	28.0	28.8	27.4	29.4	28.5
9	---	---	---	---	---	---	29.2	28.4	28.8	27.7	29.3	28.5
10	---	---	---	---	---	---	29.1	28.1	28.5	27.5	29.1	28.5
11	---	---	---	---	---	---	28.5	27.4	29.0	27.7	29.4	28.2
12	---	---	---	---	---	---	29.6	27.8	29.1	27.8	28.8	28.0
13	---	---	---	---	---	---	29.3	28.5	29.0	27.8	28.0	27.0
14	---	---	---	---	---	---	30.6	28.7	28.8	27.7	27.0	23.9
15	---	---	---	---	31.5	29.2	30.7	28.6	28.7	27.8	24.2	23.3
16	---	---	---	---	32.3	28.7	30.7	28.1	28.9	28.1	24.4	23.4
17	---	---	---	---	30.9	29.0	29.5	28.4	29.7	28.1	25.1	24.0
18	---	---	---	---	31.2	28.8	30.7	28.3	29.3	28.4	25.7	24.2
19	---	---	---	---	31.1	28.5	30.6	28.5	29.3	28.4	26.0	24.3
20	---	---	---	---	31.7	28.3	30.0	28.7	29.4	28.2	26.1	25.1
21	---	---	---	---	30.1	28.5	29.7	28.7	29.5	28.1	25.9	25.1
22	---	---	---	---	29.1	27.3	29.4	28.3	30.1	28.1	26.8	25.4
23	---	---	---	---	27.9	26.8	29.2	27.2	30.5	28.2	27.1	25.5
24	---	---	---	---	27.9	26.7	28.5	27.0	29.9	28.3	27.0	26.1
25	---	---	---	---	28.3	26.7	29.0	27.8	29.7	28.0	26.5	26.1
26	---	---	---	---	28.7	27.2	30.2	27.6	29.7	28.1	26.2	25.6
27	---	---	---	---	30.6	27.9	29.8	28.1	30.4	27.3	25.6	25.2
28	---	---	---	---	30.0	27.5	31.5	28.8	31.2	28.1	25.2	24.9
29	---	---	---	---	28.5	27.1	31.5	29.7	30.7	28.7	24.9	24.3
30	---	---	---	---	29.4	24.7	31.7	30.1	30.1	28.2	24.4	23.7
31	---	---	---	---	---	---	31.1	28.1	30.1	28.2	---	---
MONTH	---	---	---	---	32.3	24.7	31.7	25.7	31.2	26.8	30.9	23.3
YEAR	32.3	23.3										

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD JUNE TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	27.3	25.8	29.7	28.5	30.5	28.4
2	---	---	---	---	---	---	29.2	26.6	28.9	26.5	30.3	28.5
3	---	---	---	---	---	---	30.0	27.5	28.3	27.2	30.6	28.5
4	---	---	---	---	---	---	29.0	28.2	28.1	27.5	30.4	28.5
5	---	---	---	---	---	---	29.1	28.0	28.5	27.5	30.2	29.0
6	---	---	---	---	---	---	29.6	28.4	28.8	27.6	30.4	28.8
7	---	---	---	---	---	---	29.0	28.5	28.6	27.5	29.8	28.7
8	---	---	---	---	---	---	29.6	28.1	28.7	27.4	29.4	28.4
9	---	---	---	---	---	---	29.1	28.5	28.7	27.7	29.2	28.5
10	---	---	---	---	---	---	28.9	28.4	28.5	27.4	29.0	28.4
11	---	---	---	---	---	---	28.7	27.7	28.9	27.7	29.3	28.1
12	---	---	---	---	---	---	29.2	28.2	29.1	27.7	28.7	28.0
13	---	---	---	---	---	---	29.1	28.5	29.0	27.8	28.0	26.9
14	---	---	---	---	---	---	29.4	28.9	28.8	27.6	26.9	23.6
15	---	---	---	---	29.8	28.8	29.7	28.9	28.7	27.7	24.1	23.0
16	---	---	---	---	29.8	29.1	29.5	29.1	28.8	28.0	24.3	23.4
17	---	---	---	---	30.0	29.3	29.4	28.7	29.6	28.0	---	---
18	---	---	---	---	30.1	29.1	29.7	28.6	29.3	28.3	---	---
19	---	---	---	---	30.0	28.8	30.6	28.9	29.3	28.4	---	---
20	---	---	---	---	29.9	28.3	30.0	28.8	29.3	28.2	---	---
21	---	---	---	---	29.9	28.7	29.7	28.7	29.3	28.1	---	---
22	---	---	---	---	29.3	27.6	29.3	28.4	30.0	28.1	---	---
23	---	---	---	---	27.9	26.9	29.2	27.6	30.2	28.2	---	---
24	---	---	---	---	27.7	26.8	28.2	27.1	29.8	28.2	---	---
25	---	---	---	---	27.9	26.8	28.9	27.8	29.7	27.9	---	---
26	---	---	---	---	28.6	27.4	29.2	27.6	29.7	28.0	---	---
27	---	---	---	---	29.2	27.9	29.7	28.1	30.3	27.1	---	---
28	---	---	---	---	29.7	28.0	31.3	28.8	31.1	28.0	---	---
29	---	---	---	---	28.6	27.6	31.5	29.5	30.6	28.6	---	---
30	---	---	---	---	28.2	24.9	31.6	29.9	30.0	28.1	---	---
31	---	---	---	---	---	---	31.0	27.6	30.0	28.1	---	---
MONTH	---	---	---	---	30.1	24.9	31.6	25.8	31.1	26.5	30.6	23.0
YEAR	31.6	23.0										

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL--Continued

OXYGEN DISSOLVED (MG/L), PERIOD JUNE TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	5.8	3.8	12.5	3.9	---	---
2	---	---	---	---	---	---	6.2	2.0	6.9	2.8	---	---
3	---	---	---	---	---	---	7.4	1.4	8.2	3.5	---	---
4	---	---	---	---	---	---	6.5	1.6	8.1	3.9	3.4	<.2
5	---	---	---	---	---	---	6.3	1.0	8.4	5.7	4.1	1.0
6	---	---	---	---	---	---	8.0	.3	8.2	6.1	5.2	2.7
7	---	---	---	---	---	---	5.2	.3	6.5	5.9	5.1	3.5
8	---	---	---	---	---	---	7.1	.2	8.4	5.9	5.2	4.2
9	---	---	---	---	---	---	3.5	.2	7.4	5.3	5.0	4.2
10	---	---	---	---	---	---	2.2	.3	9.2	5.3	5.4	4.7
11	---	---	---	---	---	---	2.5	.3	6.3	5.3	5.5	4.4
12	---	---	---	---	---	---	---	---	5.9	5.3	5.5	4.3
13	---	---	---	---	---	---	---	---	5.8	5.5	5.8	5.0
14	---	---	---	---	---	---	---	---	6.4	5.1	---	---
15	---	---	---	---	9.1	1.0	---	---	10.9	3.4	---	---
16	---	---	---	---	10.2	1.2	---	---	11.1	3.0	---	---
17	---	---	---	---	8.2	1.6	---	---	10.8	5.3	---	---
18	---	---	---	---	8.5	1.8	---	---	7.3	5.8	---	---
19	---	---	---	---	9.4	2.5	---	---	7.6	5.7	---	---
20	---	---	---	---	8.9	1.2	---	---	6.6	5.1	5.7	1.3
21	---	---	---	---	6.8	.6	---	---	5.6	5.0	4.6	.2
22	---	---	---	---	7.8	.6	---	---	---	---	4.8	.8
23	---	---	---	---	6.8	1.4	---	---	---	---	4.6	1.5
24	---	---	---	---	8.9	2.3	---	---	---	---	5.0	2.6
25	---	---	---	---	9.3	2.9	5.2	3.2	---	---	6.0	3.2
26	---	---	---	---	9.4	3.9	6.6	1.7	---	---	6.2	3.7
27	---	---	---	---	8.8	3.3	7.4	3.4	---	---	4.5	3.4
28	---	---	---	---	6.1	1.1	8.4	2.7	---	---	4.4	3.3
29	---	---	---	---	5.2	1.4	8.0	2.4	---	---	4.7	3.9
30	---	---	---	---	8.0	1.6	8.3	1.5	---	---	4.8	4.2
31	---	---	---	---	---	---	7.4	2.1	---	---	---	---
MONTH	---	---	---	---	10.2	.6	8.4	.2	12.5	2.8	6.2	.2
YEAR	12.5	.2										

< Actual value is known to be less than the value shown

02304515 HILLSBOROUGH RIVER AT HANNA'S WHIRL AT TAMPA, FL--Continued

OXYGEN DISSOLVED (MG/L), PERIOD JUNE TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	13.9	3.9	---	---
2	---	---	---	---	---	---	---	---	8.4	2.2	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	5.4	2.9	---	---	---	---
6	---	---	---	---	---	---	3.8	2.7	---	---	---	---
7	---	---	---	---	---	---	4.6	2.9	---	---	---	---
8	---	---	---	---	---	---	7.5	3.2	---	---	---	---
9	---	---	---	---	---	---	4.9	3.1	---	---	---	---
10	---	---	---	---	---	---	5.4	3.6	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	5.9	<.2	---	---	---	---	---	---
21	---	---	---	---	4.4	<.2	---	---	---	---	---	---
22	---	---	---	---	1.7	<.2	---	---	---	---	---	---
23	---	---	---	---	.5	<.2	---	---	---	---	---	---
24	---	---	---	---	3.9	<.2	---	---	---	---	---	---
25	---	---	---	---	5.0	<.2	---	---	---	---	---	---
26	---	---	---	---	4.7	<.2	---	---	---	---	---	---
27	---	---	---	---	7.2	<.2	---	---	---	---	---	---
28	---	---	---	---	5.5	2.2	---	---	---	---	---	---
29	---	---	---	---	5.2	1.9	---	---	---	---	---	---
30	---	---	---	---	6.2	1.9	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	7.2	.2	7.5	2.7	13.9	2.2	---	---
YEAR	13.9	.2										

< Actual value is known to be less than the value shown

HILLSBOROUGH RIVER BASIN

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL

LOCATION.--Lat 28°01'10", long 82°27'07", in NE ¼ sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on left bank, on private dock on East Hollywood Boulevard, 100 ft downstream from Nebraska Avenue in Sulphur Springs, and 2.0 mi downstream from control structure for Tampa Reservoir.
DRAINAGE AREA.--Indeterminate.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 2000 to September 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.92 ft, July 23; minimum, 1.40 ft below NGVD, June 26.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.78	-.56	2.01	-.56	1.20	-1.11	.65	-1.08	1.29	-.56	1.69	-.96
2	1.56	-.68	2.16	-.50	1.36	-.93	.36	-1.11	.34	-.99	1.88	-.73
3	1.51	-.67	1.81	-.60	1.13	-.96	.52	-1.10	.68	-1.06	2.48	-.72
4	2.41	-.14	1.52	-.51	.61	-1.14	.74	-1.06	1.17	-.99	2.33	-.41
5	1.92	-.41	1.71	-.30	.97	-.95	1.77	-1.04	1.21	-1.00	1.27	-1.14
6	1.82	-.23	2.02	.20	1.67	-.61	1.65	-1.06	1.49	-1.00	1.28	-1.12
7	1.95	-.45	1.98	-.22	1.66	-.83	2.20	-1.04	1.52	-.99	1.32	-1.13
8	1.38	-.78	2.34	.14	1.97	-.97	2.20	-1.01	1.57	-.98	1.52	-1.14
9	.75	-.87	2.62	.04	2.19	-1.08	2.15	-1.06	1.53	-1.00	1.92	-1.12
10	.96	-.86	2.73	-.01	2.27	-1.09	1.28	-1.10	1.58	-1.00	2.61	-.84
11	1.42	-.77	2.14	-1.02	2.50	-1.07	2.01	-1.02	1.17	-1.01	1.62	-.98
12	1.66	-.56	2.08	-.98	2.65	-1.07	2.12	-1.01	1.11	-1.02	2.05	-.64
13	2.02	-.74	2.41	-.94	2.28	-1.08	1.25	-1.04	1.23	-1.02	2.41	-.73
14	2.22	-.52	2.97	-.70	2.57	-1.07	1.22	-1.01	1.18	-1.02	1.62	-.81
15	2.14	-.67	1.75	-1.03	2.02	-1.06	1.01	-.91	1.34	-1.03	2.54	-.74
16	2.24	-.68	1.89	-.87	1.74	-.62	1.38	-.66	1.31	-1.03	1.93	-.38
17	2.53	-.55	2.30	-.46	2.39	-1.10	1.28	-.78	1.38	-1.06	.92	-.85
18	2.28	-.66	1.64	-.97	1.04	-.91	1.61	-.99	.54	-1.06	1.12	-1.20
19	2.30	-.69	1.72	-.28	1.31	-.92	2.05	-.86	1.71	-1.10	1.44	-1.20
20	2.07	-.51	1.88	-1.05	.87	-1.15	1.81	-1.00	1.71	-1.05	1.71	-.01
21	2.21	-.63	.38	-1.13	1.36	-1.14	.68	-1.04	1.61	-1.08	1.82	-.78
22	2.00	-.72	1.03	-1.15	1.17	-1.10	.68	-1.02	1.76	-1.12	1.08	-1.22
23	1.79	-.68	1.21	-1.14	.86	-1.18	.61	-1.00	1.85	-1.07	1.00	-1.23
24	1.33	-.59	3.07	-.94	.76	-1.11	.96	-1.00	1.35	-1.07	1.17	-1.18
25	1.79	-.51	3.05	.03	.89	-1.17	1.36	-1.01	1.67	-.83	1.48	-1.03
26	2.14	-.47	2.57	-.89	1.47	-1.11	.72	-1.00	1.63	-1.02	1.31	-1.25
27	2.12	-.48	2.06	-1.13	1.80	-1.04	.95	-1.01	1.23	-.97	1.00	-1.27
28	2.07	-.68	2.04	-1.18	2.24	-.60	1.28	-1.00	1.40	-.96	1.66	-1.26
29	2.39	-.59	1.59	-1.12	2.05	-1.09	1.34	-.97	---	---	2.52	-1.21
30	2.29	-.60	1.60	-1.13	1.40	-1.12	1.60	-.33	---	---	2.36	-1.05
31	1.91	-.78	---	---	.17	-1.16	1.39	-.28	---	---	1.65	-.82
MONTH	2.53	-.87	3.07	-1.18	2.65	-1.18	2.20	-1.11	1.85	-1.12	2.61	-1.27

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.16	-1.17	1.36	-1.30	1.77	-.97	1.84	-.71	2.15	-1.32	2.46	-.62
2	1.14	-1.28	1.33	-1.13	1.94	-1.05	1.99	-1.02	2.23	-.87	2.42	-.65
3	1.65	-1.29	1.36	-1.00	1.78	-1.29	1.95	-1.05	2.96	-.52	2.34	-.42
4	1.75	-1.30	1.21	-1.21	1.92	-1.32	2.40	-1.36	3.18	-.53	2.23	-.56
5	1.75	-1.30	1.47	-1.06	2.01	-1.19	2.52	-1.05	2.89	-.10	2.31	-.20
6	1.53	-1.22	1.77	-1.21	2.26	-1.32	2.17	-1.15	2.22	-.62	2.15	-.30
7	1.66	-1.01	1.72	-1.30	2.27	-1.21	2.40	-1.13	2.13	-.58	2.21	-.22
8	1.73	-1.07	1.54	-1.31	2.00	-1.25	2.10	-.91	1.83	-.54	2.40	.05
9	1.76	-1.24	1.90	-1.29	1.98	-1.25	2.11	-.86	1.84	-.41	2.32	-.05
10	1.72	-1.29	2.22	-1.24	2.12	-1.21	2.04	-.76	1.64	-.08	2.33	-.31
11	2.51	-1.13	1.93	-1.24	2.20	-1.03	1.75	-.77	1.78	-.17	1.93	-.61
12	2.12	-.88	1.78	-1.26	1.70	-.33	1.75	-.18	1.72	-.39	2.56	-.39
13	2.01	-.88	1.64	-1.22	1.32	-.40	1.91	.01	1.66	-.54	2.34	-.58
14	1.76	-.91	1.23	-1.17	1.28	-.55	1.71	-.42	2.12	-.70	3.11	-.59
15	1.75	-.74	1.18	-1.14	1.25	-.71	1.66	-.85	2.41	-.61	2.54	.10
16	1.11	-.68	1.20	-.76	1.51	-.81	1.73	-.70	2.65	-.81	2.88	.09
17	1.04	-1.02	1.20	-.76	1.45	-1.15	2.33	-.93	2.58	-.83	2.95	.23
18	.57	-1.30	1.32	-.70	1.71	-1.26	2.61	-1.25	2.88	-.87	2.93	-.15
19	.86	-1.31	1.44	-1.00	1.93	-1.37	2.66	-1.34	3.20	-.76	2.77	.16
20	1.53	-1.22	1.79	-1.09	1.99	-1.37	2.53	-1.35	2.77	-.66	2.85	.70
21	1.60	-.94	2.12	-1.14	2.35	-1.37	3.08	-1.02	2.33	-.52	3.10	.65
22	1.38	-1.21	2.26	-1.27	2.28	-1.32	3.32	-.63	2.11	-.52	2.88	.63
23	1.86	-1.13	2.41	-1.31	2.40	-1.39	4.92	-.47	1.90	-.34	2.75	.74
24	1.94	-1.25	2.03	-1.31	2.09	-1.39	2.60	-.40	1.75	-.37	2.84	1.12
25	1.89	-1.30	2.56	-1.31	1.92	-1.38	2.71	-.38	1.83	-.62	2.90	.82
26	1.27	-1.30	2.31	-1.31	2.14	-1.40	1.97	-.49	1.61	-.73	1.99	.40
27	1.54	-1.30	2.23	-1.30	1.34	-1.20	1.41	-.58	1.69	-.73	2.32	1.03
28	2.02	-1.29	1.96	-1.30	1.25	-1.24	1.35	-.93	1.77	-1.06	2.95	1.14
29	1.47	-1.29	1.65	-1.09	1.55	-.62	1.45	-1.04	1.90	-1.02	2.73	.72
30	1.16	-1.31	1.01	-1.05	1.61	-.52	1.50	-1.21	2.07	-.76	1.98	.27
31	---	---	1.36	-1.14	---	---	1.61	-1.32	2.36	-.61	---	---
MONTH	2.51	-1.31	2.56	-1.31	2.40	-1.40	4.92	-1.36	3.20	-1.32	3.11	-.65
YEAR	4.92	-1.40										

HILLSBOROUGH RIVER BASIN

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January to August 1997 (top and bottom probes); August 1999 to September 2000 (top and bottom probes); October 2000 to September 2001 (top, middle, and bottom probes).
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located near the surface, middle, and 1.0 ft above the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments, or when the probe was out of the water during low tide.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 38,100 microsiemens, Dec. 4, 2000; middle probe maximum, 38,300 microsiemens, Dec. 6, 7, 2000; bottom probe maximum, 39,300 microsiemens, Dec. 6, 7, 2000; top probe minimum, 135 microsiemens, Sept. 22, 2001; middle probe minimum, 190 microsiemens, Sept. 23, 30, 2001; bottom probe minimum, 137 microsiemens, Sept. 22, 2001.
TEMPERATURE.--Top probe maximum, 33.5°C, July 7, 1997; middle probe maximum, 30.8°C, June 16, 2001; bottom probe maximum, 31.4°C, July 25, 1997; top probe minimum, 14.0°C, Dec. 31, 2000; middle probe minimum, 15.8°C, Jan. 6, 7, 10, 2001; bottom probe minimum, 16.4°C, Jan. 20, 21, 1997.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 38,100 microsiemens, Dec. 4; middle probe maximum, 38,300 microsiemens, Dec. 6, 7; bottom probe maximum, 39,300 microsiemens, Dec. 6, 7; top probe minimum, 135 microsiemens, Sept. 22; middle probe minimum, 190 microsiemens, Sept. 23, 30; bottom probe minimum, 137 microsiemens, Sept. 22.
TEMPERATURE.--Top probe maximum, 31.7°C, June 13, 14; middle probe maximum, 30.8°C, June 16; bottom probe maximum, 30.4°C, June 19, July 29; top probe minimum, 14.0°C, Dec. 31; middle probe minimum, 15.8°C, Jan. 6, 7, 10; bottom probe minimum, 16.8°C, Jan. 10, 14.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3270	642	32100	18800	28800	8310	34700	6580	22000	9950	22700	9840
2	5220	778	34500	22800	30900	9290	32000	12800	23700	14300	22600	14800
3	6660	1630	35300	20200	31900	7980	35500	5150	26800	9230	21100	17500
4	22400	1340	32300	17200	38100	7980	36600	6800	29900	10200	19300	14100
5	25700	2380	34100	16600	36800	12500	35600	22100	29200	8060	17000	7920
6	31200	3930	34800	17500	38000	17800	32900	16800	29100	13400	26400	5690
7	32400	5610	32800	15800	37400	15100	33800	10100	29000	12800	27300	6000
8	26700	6210	30700	15400	36000	11200	33800	8540	27400	18500	27700	10600
9	16600	6560	28900	15000	34200	11000	31200	6980	27000	22100	28800	16300
10	30800	6000	26400	12400	32600	11700	28100	9380	26200	12600	27200	18800
11	30400	8580	25600	10300	30900	10900	29600	19100	25100	22000	24300	11500
12	30200	7860	24900	9410	29800	10900	28600	13000	25100	20200	22700	12100
13	28400	8030	24500	11100	28900	11200	27200	10300	25400	12400	20900	16600
14	26800	11000	26800	9740	29200	10300	28000	8790	21000	10100	23000	14100
15	24700	8050	23100	7470	28300	11100	26400	9300	23200	8850	22600	15400
16	23000	8140	26200	8490	27500	8640	27800	11300	20300	12700	19000	14100
17	26100	7610	29400	5430	24400	6570	27600	9060	24900	12100	22800	8930
18	28000	6800	24900	11700	25000	6920	23900	9090	28200	15800	28300	8670
19	31300	8850	30100	10700	27300	11800	20600	8280	32000	16600	28400	16000
20	33800	10100	22000	8140	26300	6900	16700	6520	31400	12200	25100	13200
21	35000	12200	18400	7280	29600	7470	23600	8460	29700	11400	24100	13000
22	31500	11600	26900	7890	29200	9930	25200	7890	27700	13000	23900	10500
23	30700	11100	26900	7320	31100	11000	28000	7030	25900	22100	24600	16400
24	30500	9970	29900	10800	30800	9480	29300	9920	27400	23500	25100	19800
25	31000	12200	29100	12600	32900	9280	30300	7550	26100	22900	25200	21300
26	30300	16200	20300	8460	33000	10800	29000	10300	25600	14000	24900	16000
27	29100	16200	21500	7680	33300	17700	26300	9260	23400	11100	24900	12300
28	28600	20300	24800	9070	33500	22800	24300	9470	21900	8120	25100	10900
29	28600	23600	26000	7960	30100	8100	22900	11600	---	---	23100	13300
30	28400	22800	28000	2000	33500	3040	21900	9440	---	---	13700	9480
31	30400	22300	---	---	29800	8460	16500	6730	---	---	13200	7830
MONTH	35000	642	35300	2000	38100	3040	36600	5150	32000	8060	28800	5690

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12400	5070	31300	16700	32500	9900	6840	3490	1250	610	7670	1790
2	23100	5990	30700	24200	27000	18500	7850	4490	1970	476	6580	2190
3	19000	7160	30700	24500	27500	18500	15100	6680	771	506	6720	2740
4	23900	12000	31200	25800	28200	15500	20000	5600	643	458	6710	3510
5	23900	15100	30800	26900	25900	7140	19900	3650	653	450	4790	1050
6	23600	17300	30000	27500	16100	7440	22500	5560	547	440	3520	497
7	23700	19700	29800	8210	15600	6530	21800	4270	591	449	2240	306
8	23200	18600	24300	9070	16000	6730	16900	4600	578	440	544	302
9	22000	3360	30600	24000	19200	6120	17100	5940	569	405	579	311
10	21500	4750	33100	24000	20000	6430	19600	4660	432	367	514	312
11	23100	10200	33800	26500	21300	6160	15800	9880	410	330	618	333
12	21900	13100	33900	27100	13500	9590	16200	9630	394	321	699	330
13	21600	12300	33600	27700	22100	10300	15600	10700	371	305	472	318
14	22600	11400	33900	25500	30000	13300	15500	10100	460	304	427	214
15	20300	13000	34400	16300	29400	17600	28900	7810	420	291	261	211
16	24400	9320	33500	14800	29500	15200	29500	8200	447	290	224	209
17	26600	14300	34300	10800	27800	13200	27400	6180	406	285	217	186
18	27600	12300	33500	14200	29100	16100	27300	9420	650	284	451	184
19	31000	10900	33500	20000	27600	8650	25500	9620	560	296	429	175
20	31200	12800	32800	23500	26300	8270	22000	9930	603	301	184	167
21	30400	25000	32000	13300	25600	17500	19300	6770	1010	315	174	140
22	29200	22700	30600	12500	22900	16800	20000	6770	561	318	147	135
23	28200	10700	30900	13400	22800	16800	16500	9000	685	353	151	141
24	27200	6720	31400	17600	23000	17200	13900	9180	536	304	162	147
25	26100	3950	31200	24400	22900	3020	11400	6500	618	325	163	158
26	25500	10500	30200	24700	26100	7110	10300	1490	984	318	169	160
27	27100	8510	29300	25700	23000	10800	1890	914	2430	489	170	164
28	28400	9460	29300	26600	21100	10800	1490	750	5940	884	173	162
29	28300	4800	28500	26400	17200	8190	1920	758	6560	1230	168	162
30	30900	11900	28400	18800	13400	5580	2410	951	9540	377	174	165
31	---	---	30000	10000	---	---	4880	652	7380	818	---	---
MONTH	31200	3360	34400	8210	32500	3020	29500	652	9540	284	7670	135
YEAR	38100	135										

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE MIDDLE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6550	861	32400	24400	31700	18400	34300	23400	28100	22500	26000	18600
2	16300	1220	34100	25600	32700	20800	34300	24900	29200	26100	28200	18700
3	21500	2750	35400	26800	34400	23800	35900	29800	31300	26400	28600	18800
4	26400	2840	35700	28700	37900	33600	36200	28300	32000	25500	22300	18000
5	31900	16200	36400	30200	37600	28800	36300	29400	32200	24800	27100	13200
6	35100	17800	37100	33100	38300	32000	36300	26800	31900	22400	31900	10700
7	35100	17400	37100	25400	38300	30100	36600	26800	31300	21800	32000	13000
8	33900	12400	35400	25600	37400	26300	36400	23100	30400	21900	31800	15400
9	32500	14900	34600	23500	36900	25600	34100	20600	28700	22900	30300	19800
10	33100	16400	32000	20800	35600	25100	31300	16200	27100	23300	28900	20700
11	32000	15900	29400	18700	32800	22500	30400	21500	26100	22600	26200	19800
12	31400	18500	28300	19000	31700	21400	29800	22500	25800	22300	23800	19100
13	30300	18300	27800	18700	30300	20300	29800	19600	27400	21600	21800	17800
14	28900	19700	27900	17800	30500	18600	30700	21800	28100	20300	23500	17900
15	27600	18900	28000	15700	30500	19800	30600	23100	29600	20000	23700	17800
16	26100	18200	28700	17900	30600	20000	31700	23900	29900	18600	21400	16700
17	27300	17400	30400	18400	29200	17100	32400	26900	30300	18800	25600	16200
18	30500	17400	31300	17900	29300	17900	33000	27900	32100	19600	29200	16500
19	33400	17800	32300	19400	29700	19800	33000	27800	33400	22100	29500	20100
20	35400	18400	28300	18700	29700	18600	32700	24700	33400	24200	27500	19400
21	35300	20200	28000	18000	31000	18800	30300	23400	32600	24500	24800	17000
22	34500	19600	28800	17500	30900	21000	30900	18800	31200	22000	26500	16300
23	32600	20900	29000	18600	31800	21900	31400	21800	29800	22800	27300	16900
24	31700	21400	31000	20200	32100	23500	32200	19200	28800	24100	27100	20500
25	31900	21600	31100	17300	32800	22800	31500	21600	27000	24700	25600	21300
26	31200	21700	22300	15000	32900	23900	31300	20600	26200	22800	24800	20200
27	30100	22500	25800	13300	33000	24900	31000	20900	25000	20300	25200	19700
28	29300	23400	26800	13800	33800	26000	27800	20400	24400	18600	25300	18700
29	28500	24000	28200	16100	32200	24000	26000	22200	---	---	23000	14200
30	28200	24100	29900	16500	33900	23500	26800	23400	---	---	15300	10500
31	30000	24200	---	---	33500	23200	26600	22600	---	---	16600	11000
MONTH	35400	861	37100	13300	38300	17100	36600	16200	33400	18600	32000	10500

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21100	7910	32100	23900	34600	24400	7160	4230	1700	634	18300	2640
2	25900	7600	31500	26600	31800	24300	12800	5250	2030	483	15500	2800
3	27300	10500	31600	27800	31400	24300	22700	8810	1220	506	10900	3570
4	27100	13800	31900	27700	29600	20100	28500	7270	1030	452	8830	3860
5	26800	16100	31200	28400	27600	13900	25500	8340	886	448	5610	1460
6	26400	18700	30000	27900	19100	13100	26500	12400	589	452	4610	566
7	25900	20500	30100	27100	18800	11800	26200	11000	645	466	2460	318
8	24300	20400	30500	27000	21100	10000	25400	12200	567	466	1090	296
9	22900	16800	31900	26800	24600	9600	25000	12900	576	427	1390	322
10	23800	15700	33700	27800	26700	10400	26100	14400	462	398	533	308
11	25800	15600	35100	28500	29000	11600	26400	14100	455	347	1220	369
12	26300	18100	35400	28500	29000	13800	28000	16800	410	342	1260	351
13	27400	17700	35400	29000	32200	14100	29400	16600	384	314	466	372
14	28900	17500	35800	29200	34000	27800	31100	16500	461	323	410	226
15	29600	18500	36600	28800	34500	24200	33700	26300	450	306	281	231
16	31300	17800	36700	30000	34000	21100	33200	25300	452	300	236	218
17	33800	26500	37500	30300	32500	21900	31800	19600	437	295	231	207
18	34400	19900	37900	28000	31600	24900	29500	15200	1340	299	303	212
19	34200	28900	37600	26700	30100	21700	27000	14900	1110	318	377	227
20	33700	26500	35900	28100	27000	20100	25300	14200	901	321	231	217
21	31700	27800	34100	28600	26700	19100	20600	13800	1650	329	228	202
22	29600	27000	32700	27000	23700	18000	21400	13500	1210	323	205	192
23	28400	25600	32700	25300	24200	17900	18100	13500	1520	355	202	190
24	28000	23100	32800	25200	24800	17900	13700	9890	1530	338	214	201
25	27800	21900	32700	26400	25100	17900	11800	8860	1900	357	215	206
26	27300	18400	31700	27000	27300	17500	10800	1690	2340	311	225	209
27	28400	21300	31100	27100	25400	19100	2140	966	7980	855	229	216
28	28900	21200	31300	27500	24700	17600	1890	741	26300	1320	216	200
29	30200	21300	30900	27700	23100	10600	2070	794	28700	2460	205	198
30	31600	22700	32000	27100	20600	6640	9710	1030	25300	438	209	190
31	---	---	33800	25900	---	---	20700	627	17000	1200	---	---
MONTH	34400	7600	37900	23900	34600	6640	33700	627	28700	295	18300	190
YEAR	38300	190										

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	10800	1900	32300	30200	32700	31000	34900	33700	29700	28100	26800	22800
2	18000	7680	33800	32300	33900	32200	34900	31900	31000	29100	29500	25600
3	23100	14800	35600	33800	35900	33600	36500	34500	32500	29900	30700	28900
4	27200	23100	36300	35300	38900	35800	36900	35600	32900	30100	29900	22700
5	32700	27200	36900	35800	38800	35800	36700	35600	32900	27000	29600	16500
6	35700	32700	37700	36500	39300	37200	36900	34200	32800	27500	32600	18100
7	36000	33500	37500	35300	39300	36100	37100	32500	32300	25300	32800	29000
8	34500	32100	36300	34900	38600	35800	36900	30700	31000	25600	32700	27400
9	33300	32100	35700	31800	37700	33200	35000	24400	29100	24100	31300	27700
10	33300	31800	33600	28200	36200	30900	32300	26100	27400	23600	29800	24900
11	32500	30800	31000	26200	33700	27000	31100	24400	26500	23000	27500	23100
12	31600	30100	29700	24600	32300	25200	30200	24300	26300	23200	25100	22200
13	30600	28400	28300	22500	30800	25800	30900	23500	27600	23600	23800	19400
14	29300	26500	28000	22000	30900	25300	31200	28900	29200	25600	25300	19600
15	27700	23200	28100	24700	31200	28200	31200	28900	30600	27200	26100	21700
16	26500	20800	28800	26700	31200	27000	33300	30600	31300	29900	24400	20800
17	27900	24800	30200	28500	30600	20900	34200	32200	31500	30300	27900	21400
18	31200	27800	31900	28900	30500	26000	34800	33300	34200	30100	31500	24800
19	33600	31200	32800	29200	31000	22700	34800	33400	34400	32200	31900	28500
20	35300	33600	29500	26000	30900	19600	34700	28500	34400	31600	30800	24600
21	35300	33000	29400	26700	32000	29700	33300	27500	33400	30300	28100	22500
22	34800	30500	29600	27400	31900	29000	33500	27700	32200	28900	29400	26100
23	33000	31200	29800	27200	32700	28300	32700	30500	31000	27600	29700	27900
24	32100	30200	31700	27100	32800	29700	33300	29800	29900	26800	29500	26100
25	31800	30400	31700	21100	33300	28700	33300	31200	28000	24900	28000	22900
26	31000	28400	24600	17200	33400	30500	33300	30800	26700	23500	26700	22300
27	30200	27900	26800	19000	33700	31400	32200	27100	25500	22500	26800	21900
28	29600	25200	27500	23500	34500	32000	28900	25700	25300	22300	27100	21400
29	28600	24800	29200	24600	33800	28200	28300	26700	---	---	25400	15600
30	28900	25000	31100	28400	34800	32900	28500	27000	---	---	18300	13500
31	30300	28900	---	---	34400	32800	28600	27100	---	---	21600	13300
MONTH	36000	1900	37700	17200	39300	19600	37100	23500	34400	22300	32800	13300

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24700	17900	32300	29400	35400	31100	7790	5220	1910	639	20100	4620
2	28900	23500	32100	30200	33300	26700	13600	5500	2230	493	18400	5910
3	30300	27200	32100	29700	32500	26600	24000	13400	1990	510	15100	4590
4	30900	29300	32200	29600	30500	23800	29200	13800	1810	464	12000	3830
5	30900	27500	31800	29100	27800	16600	26300	11400	1670	456	6700	2160
6	29200	24400	30300	28000	19300	13600	26900	22900	622	445	5760	979
7	26400	21600	30400	27800	19100	12800	26500	20700	678	453	2810	330
8	24200	20600	31000	27900	21900	13000	26500	18800	606	451	1800	298
9	23100	19400	32500	28000	24800	17000	26300	24300	636	419	2400	328
10	24200	18900	34300	29400	27400	22300	27300	24100	465	376	749	319
11	25800	18700	35700	32400	29500	25900	28000	24500	464	337	1850	388
12	26700	22100	36100	34300	30200	28600	29100	27000	418	338	1990	338
13	28200	23200	36300	34300	33000	29600	30600	28100	400	308	589	330
14	29800	25100	36900	35000	34400	31900	32200	28900	548	320	530	214
15	30800	29200	37400	35600	35000	32700	34400	32200	510	293	285	220
16	32300	29500	37900	36700	34700	33000	34100	31900	525	283	236	211
17	34600	32200	38400	37200	33600	29700	32500	25800	543	280	221	187
18	35400	32100	39000	37500	31800	26000	30400	23200	1950	282	877	187
19	35400	34300	38700	36300	30000	22100	28400	18300	1960	288	1460	176
20	34600	31500	37300	33100	26900	20900	26200	16900	2020	300	193	166
21	32400	29200	35200	30000	26800	19600	21000	15800	2340	314	185	142
22	30100	27400	33400	28200	24400	19700	22000	14500	2130	316	157	137
23	28600	26000	33100	27100	24300	19300	19600	13700	2180	353	155	140
24	28400	24200	33400	28100	25200	18800	14100	11100	2240	385	164	149
25	28300	22900	33700	27800	25400	19500	12000	9040	2390	372	166	159
26	27800	22400	32700	27800	27400	20100	10900	2370	2690	374	175	162
27	28700	22100	32000	27700	25800	20100	2600	1200	21400	2300	173	163
28	29200	25000	32300	27900	25300	20000	2520	1160	28000	21400	166	161
29	30700	25600	32200	28500	24700	13900	3130	1260	28800	20100	169	162
30	32100	27900	33600	28600	22400	7120	15300	2190	26900	464	175	167
31	---	---	34800	32400	---	---	24900	714	19300	2320	---	---
MONTH	35400	17900	39000	27100	35400	7120	34400	714	28800	280	20100	137
YEAR	39300	137										

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.6	26.0	25.4	23.4	23.2	19.7	20.5	14.6	21.9	20.1	25.5	24.0
2	27.6	26.0	25.6	23.4	23.6	19.9	19.9	16.7	21.0	19.7	26.1	24.3
3	27.3	25.7	25.6	23.4	22.9	20.0	21.4	16.2	20.2	16.8	25.8	24.5
4	28.5	25.8	25.6	23.9	22.4	17.8	19.6	15.5	20.2	17.6	25.3	23.3
5	30.0	25.8	25.8	24.5	21.8	19.2	18.5	14.3	20.9	17.9	23.5	20.8
6	29.1	26.2	25.9	24.7	21.8	18.3	19.1	15.1	20.7	17.6	24.1	21.2
7	29.1	25.9	25.9	24.3	21.7	18.4	19.8	15.7	20.5	18.1	23.7	20.4
8	28.1	24.8	25.9	24.2	22.0	19.0	21.3	16.9	20.8	18.9	23.6	20.5
9	27.1	22.9	25.9	24.1	22.4	20.3	20.4	16.6	21.3	19.4	23.3	20.7
10	27.6	19.9	25.6	24.6	22.8	20.9	20.8	15.7	23.1	20.3	23.2	21.8
11	27.5	21.9	25.6	23.0	23.1	21.7	18.9	16.4	23.1	21.3	23.4	21.8
12	27.4	22.9	25.3	22.9	23.5	21.9	20.2	17.6	23.2	22.1	24.4	22.2
13	26.7	23.2	25.2	23.2	23.7	22.0	21.2	17.1	23.6	22.3	23.7	23.2
14	26.4	24.0	25.2	23.8	24.5	22.1	22.0	16.9	25.2	22.5	23.5	23.0
15	26.0	24.2	24.7	22.1	24.3	22.4	21.6	18.3	25.2	22.8	24.6	23.1
16	25.9	24.1	24.5	22.3	24.5	22.8	20.9	18.5	25.1	22.7	24.6	23.8
17	25.8	24.1	25.2	23.5	24.2	21.6	21.7	19.2	24.3	22.5	24.5	23.5
18	25.9	24.2	24.6	23.2	23.2	19.9	22.7	19.8	23.7	21.6	23.7	22.3
19	26.3	24.5	24.7	23.2	22.7	19.5	22.9	20.3	23.0	21.3	23.3	21.9
20	26.2	24.8	24.5	21.7	22.5	17.9	22.2	19.4	23.8	21.1	23.2	21.7
21	25.6	24.4	23.5	19.1	22.4	17.0	21.3	17.7	24.1	22.3	23.1	21.0
22	25.8	24.6	24.2	19.8	22.0	17.6	21.8	17.2	23.9	22.5	22.6	19.5
23	25.8	23.7	24.2	18.6	21.3	17.7	21.3	17.0	24.2	22.9	23.2	20.4
24	25.8	23.5	23.6	20.2	22.3	18.0	20.3	16.8	24.0	22.7	23.6	21.1
25	25.9	23.6	23.2	21.6	22.0	17.6	21.5	17.0	25.0	23.2	23.7	21.8
26	25.8	23.9	22.8	21.4	22.1	18.0	20.9	16.4	25.8	23.9	23.5	20.6
27	25.6	24.1	23.2	20.7	20.7	18.3	21.8	17.2	25.8	23.8	23.6	20.8
28	25.3	24.1	22.5	20.3	19.7	19.0	21.7	17.9	25.9	23.8	23.5	21.3
29	25.5	24.2	23.1	20.4	19.3	17.6	21.2	18.8	---	---	22.8	20.6
30	25.7	24.5	22.5	19.9	21.3	17.1	22.2	19.9	---	---	22.4	20.0
31	25.7	24.3	---	---	21.4	14.0	23.4	20.8	---	---	23.1	21.8
MONTH	30.0	19.9	25.9	18.6	24.5	14.0	23.4	14.3	25.9	16.8	26.1	19.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.4	21.8	25.0	23.5	28.9	25.9	27.4	25.8	29.5	28.1	29.3	26.5
2	23.9	21.3	25.4	23.4	29.0	27.0	28.1	26.1	28.4	27.2	29.5	27.0
3	24.2	21.7	24.6	23.7	29.8	27.9	29.5	27.4	28.3	27.3	29.5	27.0
4	24.9	22.4	25.2	23.2	29.9	26.9	29.7	27.1	28.3	27.7	29.3	26.9
5	24.6	22.8	25.4	23.6	29.4	25.9	29.2	27.3	28.6	27.5	29.5	27.1
6	24.9	23.2	25.5	24.0	27.5	25.3	29.8	27.1	28.9	27.8	29.6	27.6
7	24.9	23.5	25.8	23.7	28.1	25.7	29.4	26.9	28.7	27.6	29.9	27.4
8	25.7	24.0	25.4	24.1	28.7	26.2	29.2	26.1	29.1	27.5	29.6	28.4
9	26.0	23.2	25.3	23.9	28.8	26.3	28.8	26.6	28.9	27.8	29.3	28.5
10	26.1	24.5	25.2	23.8	29.2	26.5	29.2	26.6	28.9	27.5	29.1	28.6
11	26.3	24.6	25.4	24.1	29.7	26.5	28.7	27.6	29.1	27.7	29.2	28.2
12	26.3	25.0	26.0	24.3	30.7	27.6	30.6	28.2	29.2	27.8	29.0	28.1
13	26.8	25.1	26.5	24.7	31.7	28.3	29.9	28.5	29.1	27.9	28.2	27.1
14	27.0	25.1	26.5	25.1	31.7	29.2	30.2	28.0	29.1	27.7	27.1	24.2
15	27.4	26.3	27.0	25.2	31.1	29.0	30.1	28.6	28.7	27.7	24.2	23.6
16	27.4	24.5	27.7	25.6	31.1	29.0	30.1	27.3	29.0	28.2	24.4	23.5
17	27.2	24.0	28.3	25.9	30.8	29.1	29.7	27.0	29.7	28.1	25.1	24.0
18	25.9	22.0	28.4	25.5	30.8	28.1	30.1	27.1	29.2	28.4	25.6	24.3
19	26.3	22.1	28.0	25.5	30.5	26.6	29.9	27.1	29.4	28.5	26.1	24.3
20	26.2	23.0	27.8	25.8	30.6	26.5	29.3	27.1	29.4	28.2	26.1	25.1
21	26.3	24.3	28.4	25.7	30.0	28.2	28.9	26.4	29.2	28.0	26.0	25.1
22	26.0	24.4	29.0	26.0	29.0	27.7	29.0	26.4	29.9	28.0	26.8	25.4
23	26.0	24.0	28.4	25.1	28.4	27.1	28.2	27.4	30.0	28.3	27.1	25.5
24	26.0	23.8	28.6	26.9	28.3	27.1	27.9	26.4	30.0	28.2	27.0	26.1
25	25.5	23.0	28.7	27.0	28.5	27.0	28.8	26.6	29.6	28.0	26.5	26.1
26	26.0	24.3	28.8	27.1	28.7	25.3	29.1	26.0	29.3	27.9	26.2	25.6
27	25.9	23.3	29.0	27.0	29.9	26.4	29.3	27.1	28.7	26.6	25.6	25.2
28	25.7	23.8	29.0	27.1	29.6	26.9	30.0	27.3	29.5	26.7	25.3	24.9
29	25.4	22.8	30.1	27.6	28.2	26.6	30.9	27.5	30.2	26.8	25.0	24.3
30	24.5	23.6	29.7	26.9	28.6	26.2	30.8	27.4	29.6	26.9	24.5	23.7
31	---	---	29.9	26.6	---	---	30.2	27.2	29.5	27.0	---	---
MONTH	27.4	21.3	30.1	23.2	31.7	25.3	30.9	25.8	30.2	26.6	29.9	23.5
YEAR	31.7	14.0										

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE MIDDLE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.2	26.2	25.4	24.3	21.9	20.3	19.1	16.9	20.9	19.1	25.3	24.8
2	27.7	26.1	25.6	24.6	21.9	20.7	19.0	17.0	20.5	19.0	25.3	24.9
3	27.9	26.5	25.7	24.6	21.9	21.1	19.3	18.5	19.3	18.7	25.5	24.7
4	28.1	27.2	25.8	25.0	21.9	20.8	18.8	18.1	18.9	18.0	25.3	24.2
5	28.3	27.8	25.8	25.5	21.5	20.3	18.4	17.5	19.2	17.9	24.3	21.8
6	28.4	28.0	25.9	25.7	21.6	20.6	18.1	15.8	19.4	17.7	24.4	20.9
7	28.4	27.7	25.8	25.3	21.6	20.1	17.7	15.8	19.8	18.1	24.4	20.4
8	28.3	27.5	25.9	25.4	21.5	19.4	17.9	16.7	20.4	18.8	24.1	20.2
9	28.2	25.2	25.9	25.2	21.6	20.2	18.2	16.8	20.9	19.5	23.5	20.9
10	28.1	23.6	25.8	24.9	21.9	20.8	17.9	15.8	22.0	20.3	23.0	21.8
11	28.0	24.0	25.8	23.9	22.2	21.7	18.2	16.6	22.6	21.3	23.1	21.9
12	27.6	24.4	25.6	23.5	22.6	21.7	18.8	17.3	22.8	22.1	23.5	22.4
13	27.3	24.0	25.5	23.4	22.8	21.8	18.3	17.1	23.0	22.5	23.5	23.2
14	26.6	24.5	25.3	23.8	23.6	21.8	18.1	16.9	23.6	22.7	23.4	23.1
15	26.1	24.8	24.9	22.7	23.5	22.1	18.2	17.4	23.6	22.9	24.0	23.1
16	25.8	24.7	24.7	22.6	23.8	22.3	18.3	17.5	23.6	22.9	24.1	23.8
17	25.7	24.6	24.5	23.7	23.4	22.7	18.8	17.6	23.9	23.1	24.1	23.7
18	25.6	24.8	24.5	23.4	23.1	22.4	19.1	17.7	23.3	22.2	23.8	22.8
19	25.5	25.1	24.5	24.1	23.0	20.6	19.8	17.8	23.0	21.4	23.4	22.3
20	25.7	25.2	24.5	22.8	22.7	19.1	20.6	18.1	22.8	21.6	23.3	22.6
21	25.6	25.3	24.4	21.5	22.5	18.3	19.2	17.6	23.2	22.4	23.1	21.2
22	25.7	25.2	24.4	19.8	22.2	18.7	18.8	17.1	23.4	22.7	22.8	20.3
23	25.8	24.9	24.3	19.9	21.2	17.4	18.6	16.9	23.7	22.9	22.8	20.7
24	25.9	24.5	23.6	20.7	20.0	18.0	18.6	16.7	23.8	22.9	23.0	21.5
25	25.9	24.4	22.7	21.8	19.9	17.9	18.6	17.1	24.4	23.3	23.3	22.0
26	25.8	24.3	22.6	21.5	19.4	17.9	18.8	16.6	25.2	24.0	23.1	22.3
27	25.6	24.4	22.3	21.0	19.3	18.6	19.2	17.4	25.0	24.3	23.2	21.5
28	25.4	24.2	22.1	20.6	19.3	18.8	19.5	18.0	25.3	24.6	23.3	22.1
29	25.2	24.4	22.0	20.7	19.2	18.4	19.6	18.9	---	---	22.9	20.8
30	25.2	24.6	21.9	20.3	18.8	17.5	20.1	19.1	---	---	21.7	20.3
31	25.3	24.6	---	---	18.8	16.2	20.6	19.2	---	---	22.3	21.7
MONTH	28.4	23.6	25.9	19.8	23.8	16.2	20.6	15.8	25.3	17.7	25.5	20.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.6	22.0	24.3	23.7	28.9	28.1	27.2	25.9	29.5	27.5	29.2	26.8
2	22.7	22.0	24.4	24.0	28.7	27.6	27.9	26.3	28.4	27.1	29.4	26.9
3	22.6	22.0	24.4	24.0	29.3	28.3	28.8	27.6	28.3	26.8	29.3	27.0
4	23.8	22.3	24.6	23.5	29.4	27.9	29.0	27.6	28.3	27.6	29.2	27.2
5	24.0	22.6	25.0	23.7	29.2	26.6	29.1	27.6	28.6	27.4	29.5	26.8
6	24.4	23.2	25.2	24.1	27.6	26.4	29.3	28.5	28.9	27.8	29.1	27.1
7	24.5	23.6	25.4	24.2	27.9	26.8	29.5	28.7	28.7	27.6	29.9	27.0
8	25.3	24.0	25.1	24.7	28.3	27.1	29.4	28.1	29.1	27.4	29.6	28.4
9	25.5	24.6	24.9	24.4	28.6	27.5	29.3	28.7	28.8	27.7	29.3	28.0
10	25.8	25.0	24.9	24.3	28.8	27.9	29.4	28.7	28.8	27.5	29.0	28.5
11	26.0	25.4	24.9	24.3	29.1	28.3	29.3	28.1	29.1	27.7	29.2	28.2
12	26.0	25.6	25.2	24.6	29.4	28.8	29.6	28.6	29.2	27.7	29.0	28.1
13	26.4	25.8	25.6	24.9	29.4	29.0	29.6	29.1	29.1	27.8	28.2	27.1
14	26.5	25.9	25.6	24.9	29.7	29.1	29.6	29.1	29.1	27.6	27.1	24.2
15	26.7	25.9	25.8	25.0	30.0	29.6	29.7	29.3	28.7	27.6	24.2	23.6
16	26.8	26.0	25.9	25.1	30.8	29.7	29.8	29.3	28.9	28.1	24.4	23.5
17	26.4	26.1	26.2	25.4	30.4	29.7	29.7	28.8	29.7	28.0	25.1	24.0
18	26.4	23.8	27.0	25.5	30.4	29.7	29.6	28.5	29.2	27.9	25.6	24.2
19	26.3	25.1	27.4	25.8	30.4	29.0	29.7	28.6	29.4	27.9	26.0	24.3
20	26.2	24.1	27.4	26.3	30.0	29.0	29.7	28.3	29.4	28.2	26.1	25.1
21	25.9	24.5	27.5	26.6	30.0	28.9	29.1	28.2	29.2	27.6	26.0	25.1
22	25.7	24.6	28.0	27.0	29.1	28.0	29.3	28.0	29.9	28.0	26.8	25.4
23	25.6	24.7	28.1	27.4	28.6	27.3	28.6	27.5	30.0	27.7	27.1	25.5
24	25.6	25.2	28.4	27.4	28.5	27.3	27.9	26.9	29.8	27.6	27.0	26.1
25	25.5	25.2	28.4	27.3	28.3	27.2	28.5	27.1	29.6	27.3	26.5	26.1
26	25.6	24.8	28.4	27.5	28.6	27.5	28.3	27.2	29.2	26.6	26.2	25.6
27	25.5	24.6	28.3	27.3	28.8	28.1	28.9	26.5	28.4	26.5	25.6	25.2
28	25.4	24.6	28.3	27.6	29.1	28.0	29.8	26.8	29.4	26.7	25.2	24.9
29	25.0	24.4	28.5	27.7	28.4	27.1	30.7	26.7	29.6	27.4	24.9	24.3
30	24.6	24.0	28.8	28.3	28.2	26.4	30.5	27.0	29.7	27.1	24.5	23.7
31	---	---	28.9	28.5	---	---	30.0	27.4	28.9	26.8	---	---
MONTH	26.8	22.0	28.9	23.5	30.8	26.4	30.7	25.9	30.0	26.5	29.9	23.5
YEAR	30.8	15.8										

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.4	26.2	25.4	25.2	21.8	21.6	19.0	18.8	19.3	18.9	25.1	25.0
2	27.8	27.0	25.6	25.4	21.9	21.7	19.0	18.7	19.1	18.8	25.1	25.0
3	28.0	27.6	25.7	25.6	21.9	21.7	19.1	18.5	19.0	18.7	25.1	25.0
4	28.2	28.0	25.8	25.7	21.7	21.4	18.8	18.3	18.8	18.7	25.1	24.6
5	28.4	28.2	25.8	25.8	21.5	21.4	18.5	17.9	19.1	18.7	24.7	22.5
6	28.4	28.3	25.8	25.7	21.6	21.4	18.0	17.3	19.3	18.8	24.5	22.3
7	28.4	28.2	25.8	25.8	21.6	21.3	17.6	17.2	19.5	18.8	24.5	23.1
8	28.3	28.2	25.8	25.8	21.5	21.2	17.6	17.2	20.2	19.3	24.2	23.4
9	28.2	28.0	25.9	25.8	21.6	21.3	17.8	16.9	20.9	19.6	23.6	22.9
10	28.2	27.9	25.8	25.5	21.8	21.4	17.8	16.8	21.8	20.3	23.0	22.5
11	28.0	27.6	25.8	25.3	22.0	21.7	17.9	17.2	22.5	21.3	22.9	22.5
12	27.7	27.3	25.7	25.1	22.3	21.7	18.3	17.3	22.7	22.1	23.3	22.7
13	27.3	26.6	25.6	24.6	22.4	21.8	17.8	17.0	22.7	22.4	23.4	23.1
14	26.6	26.1	25.3	24.6	22.6	21.8	17.5	16.8	23.0	22.6	23.3	23.0
15	26.1	25.7	25.0	24.5	22.5	22.0	17.6	17.3	23.0	22.8	23.7	23.1
16	25.9	25.3	24.8	24.4	22.9	22.3	17.8	17.3	22.9	22.8	23.8	23.6
17	25.7	25.5	24.6	24.5	23.3	22.5	17.8	17.4	23.1	22.9	23.9	23.6
18	25.6	25.4	24.5	24.3	23.0	22.8	18.0	17.5	23.1	22.9	23.7	23.6
19	25.5	25.3	24.4	24.3	23.0	21.4	18.0	17.6	23.0	22.5	23.6	23.3
20	25.5	25.3	24.5	24.3	22.7	19.5	19.1	17.9	22.6	22.5	23.4	23.0
21	25.6	25.4	24.5	24.0	22.7	22.1	18.6	18.3	22.8	22.5	23.1	22.4
22	25.7	25.6	24.5	23.8	22.2	21.3	18.5	18.2	23.0	22.7	22.9	22.6
23	25.8	25.7	24.4	23.7	21.3	19.9	18.5	18.4	23.3	22.8	22.8	22.5
24	25.9	25.7	23.7	21.9	20.1	19.7	18.5	18.3	23.6	23.0	22.8	22.4
25	25.9	25.8	22.5	21.9	19.8	19.1	18.4	18.3	24.4	23.4	23.2	22.4
26	25.9	25.6	22.5	22.0	19.3	18.9	18.4	18.2	25.1	23.9	23.0	22.5
27	25.6	25.3	22.2	21.8	19.2	18.9	18.8	18.4	24.9	24.5	23.0	21.8
28	25.4	24.8	22.1	21.9	19.1	18.7	19.1	18.7	25.1	24.9	23.2	22.4
29	25.2	24.8	22.1	21.8	19.0	18.8	19.2	18.9	---	---	23.1	21.1
30	25.2	24.9	21.8	21.6	18.8	18.7	19.3	18.9	---	---	21.6	20.8
31	25.3	25.1	---	---	18.8	18.6	19.3	19.0	---	---	22.0	21.6
MONTH	28.4	24.8	25.9	21.6	23.3	18.6	19.3	16.8	25.1	18.7	25.1	20.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.2	22.0	24.4	24.1	28.8	28.5	27.2	26.0	29.5	27.4	28.8	27.2
2	22.3	22.1	24.3	24.1	28.6	28.3	27.7	26.6	28.4	27.0	28.7	27.7
3	22.2	22.0	24.2	24.0	29.0	28.5	28.6	27.7	28.3	26.5	28.4	27.7
4	22.6	22.2	24.4	23.7	29.1	28.6	29.0	28.2	28.3	27.0	29.0	27.3
5	23.1	22.4	24.9	23.9	29.2	27.0	29.1	28.0	28.6	26.9	29.4	27.2
6	24.0	23.0	25.2	24.1	27.7	26.7	29.3	28.9	28.9	27.8	29.0	27.0
7	24.4	23.7	25.3	24.2	27.8	27.0	29.5	29.1	28.7	27.6	29.9	26.8
8	25.2	24.0	25.1	24.8	28.2	27.6	29.5	29.0	29.1	27.4	29.6	27.6
9	25.5	24.6	24.9	24.7	28.6	28.0	29.4	29.2	28.8	27.7	29.2	27.2
10	25.8	25.2	24.9	24.7	28.8	28.4	29.6	29.2	28.8	27.5	29.1	28.5
11	25.8	25.5	24.8	24.8	29.0	28.6	29.5	29.1	29.1	27.7	29.2	27.9
12	25.9	25.7	24.8	24.7	29.1	28.9	29.6	29.3	29.2	27.7	29.0	27.4
13	25.9	25.8	24.9	24.8	29.3	29.0	29.7	29.5	29.1	27.8	28.2	27.1
14	25.9	25.8	25.0	24.8	29.6	29.2	29.7	29.6	29.1	27.7	27.1	24.2
15	26.0	25.9	25.1	24.9	29.8	29.6	29.7	29.6	28.7	27.6	24.2	23.6
16	26.1	26.0	25.2	25.0	30.0	29.7	29.8	29.6	28.9	28.1	24.4	23.5
17	26.4	26.1	25.5	25.2	30.2	29.9	29.8	29.4	29.7	28.0	25.1	24.0
18	26.4	26.0	25.8	25.4	30.3	30.0	29.7	29.4	29.2	27.4	25.6	24.2
19	26.4	26.1	26.3	25.7	30.4	29.2	29.8	29.2	29.4	27.4	26.0	24.3
20	26.2	25.6	27.0	26.2	30.0	29.4	29.8	29.0	29.4	27.7	26.1	25.1
21	25.8	25.1	27.4	26.9	30.0	29.1	29.3	28.4	29.2	27.3	26.0	25.1
22	25.7	24.6	27.7	27.3	29.2	28.4	29.4	28.3	29.9	27.2	26.8	25.4
23	25.6	24.8	28.0	27.7	28.8	27.7	28.8	27.5	30.0	27.2	27.1	25.5
24	25.6	25.3	28.4	27.9	28.6	27.7	27.9	26.9	29.7	27.0	27.0	26.1
25	25.5	25.3	28.4	27.7	28.3	27.6	28.4	27.2	29.6	26.9	26.5	26.1
26	25.5	24.9	28.4	27.8	28.5	28.1	28.3	27.2	29.1	26.6	26.2	25.6
27	25.5	24.7	28.3	27.5	28.7	28.2	28.6	26.5	28.5	26.4	25.6	25.2
28	25.4	25.2	28.3	27.8	28.7	28.4	29.6	26.8	29.2	28.5	25.2	24.9
29	25.3	24.7	28.3	28.0	28.6	27.5	30.4	26.8	29.2	28.7	24.9	24.3
30	24.8	24.3	28.6	28.3	28.3	26.5	29.3	27.1	29.7	27.3	24.5	23.7
31	---	---	28.7	28.5	---	---	29.3	28.7	28.9	27.2	---	---
MONTH	26.4	22.0	28.7	23.7	30.4	26.5	30.4	26.0	30.0	26.4	29.9	23.5
YEAR	30.4	16.8										

HILLSBOROUGH RIVER BASIN

02305851 CURIOSITY CREEK AT 122ND AVENUE NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°03'30", long 82°27'41", in NW 1/4 sec.12, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on upstream side of culvert headwall on 122nd Avenue, 600 ft west of Florida Avenue (Business U.S. Highway 41), 0.25 mi north of Fowler Avenue (State Highway 582), and 2.5 mi northeast of Sulphur Springs.
DRAINAGE AREA.--2.59 mi^2.
PERIOD OF RECORD.--February 1999 to current year.
GAGE.--Water-stage recorder. Datum of gage is 3.86 ft below National Geodetic Vertical Datum of 1929 (Hillsborough County Engineering Department).
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, PERIOD FEBRUARY TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	.00	.00	.00	.00	.00	.59	.00	.23
2	---	---	---	---	.00	.00	.00	.00	.00	.12	.00	.26
3	---	---	---	---	.00	.00	.00	.00	.00	.34	.00	.13
4	---	---	---	---	.00	.00	.00	.00	.00	.49	.00	.04
5	---	---	---	---	.00	.00	.00	.00	.00	.14	.00	.00
6	---	---	---	---	.00	.00	.00	.00	.00	.02	.00	.16
7	---	---	---	---	.00	.00	.00	.00	.00	.00	.00	.46
8	---	---	---	---	.00	.00	.00	.00	.00	.05	.00	.56
9	---	---	---	---	.00	.00	.00	.00	.04	.00	.00	.48
10	---	---	---	---	.00	.00	.00	.00	.00	.00	.00	.20
11	---	---	---	---	.00	.00	.00	.00	.00	.00	.00	.10
12	---	---	---	---	.00	.00	.00	.00	.01	.00	.04	.35
13	---	---	---	---	.00	.00	.00	.00	.00	.00	.48	.12
14	---	---	---	---	.00	.00	.00	.00	.24	.00	.00	.33
15	---	---	---	---	.00	.00	.00	.00	.15	.00	.20	.43
16	---	---	---	---	.00	.00	.00	.00	.37	.04	.00	.12
17	---	---	---	---	.00	.00	.00	.00	4.6	.00	.00	.08
18	---	---	---	---	.00	.00	.00	.00	4.3	.55	.99	3.6
19	---	---	---	---	.00	.00	.00	.00	1.3	.02	3.9	3.8
20	---	---	---	---	.00	.00	.00	.00	1.9	.00	1.9	5.4
21	---	---	---	---	.00	.00	.00	.00	.62	.00	1.2	5.7
22	---	---	---	---	.00	.00	.00	.00	.44	.00	1.7	2.3
23	---	---	---	---	.00	.00	.00	.01	.36	.00	2.8	1.4
24	---	---	---	---	.00	.00	.00	.00	.49	.00	.82	1.0
25	---	---	---	---	.00	.00	.00	.00	.77	.00	4.1	.82
26	---	---	---	---	.00	.00	.00	.00	1.5	.00	3.0	.65
27	---	---	---	---	.00	.00	.00	.00	.56	.00	1.2	.52
28	---	---	---	---	.00	.00	.00	.00	.26	.00	.78	.41
29	---	---	---	---	---	.00	.00	.00	.16	.00	.53	.28
30	---	---	---	---	---	.00	.00	.00	.13	.00	.52	.18
31	---	---	---	---	---	.00	---	.00	---	.00	.42	---
TOTAL	---	---	---	---	0.00	0.00	0.00	0.01	18.20	2.36	24.58	30.11
MEAN	---	---	---	---	.000	.000	.000	.000	.61	.076	.79	1.00
MAX	---	---	---	---	.00	.00	.00	.01	4.6	.59	4.1	5.7
MIN	---	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00
MED	---	---	---	---	.00	.00	.00	.00	.16	.00	.20	.38
AC-FT	---	---	---	---	.00	.00	.00	.02	36	4.7	49	60
CFSM	---	---	---	---	.00	.00	.00	.00	.23	.03	.31	.39
IN.	---	---	---	---	.00	.00	.00	.00	.26	.03	.35	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

MEAN	---	---	---	---	.000	.000	.000	.000	.61	.076	.79	1.00
MAX	---	---	---	---	.000	.000	.000	.000	.61	.076	.79	1.00
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	.000	.000	.000	.000	.61	.076	.79	1.00
(WY)	---	---	---	---	1999	1999	1999	1999	1999	1999	1999	1999

02305851 CURIOSITY CREEK AT 122ND AVENUE NEAR SULPHUR SPRINGS, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.28	.00	.00	.00	.00	.00	.00	.00	.00	11	.07
2	.09	2.7	.00	.00	.00	.00	.00	.00	.00	.00	5.4	.03
3	2.0	.57	.00	.00	.00	.00	.00	.00	.00	.00	.97	.00
4	2.5	.22	.00	.00	.00	.00	.00	.00	.00	.00	.44	.00
5	3.2	.12	.00	.00	.00	.00	.00	.00	.00	.00	.26	.00
6	2.0	.07	.00	.00	.00	.00	.00	.00	.00	.00	.95	.19
7	1.4	.02	.00	.00	.00	.00	.00	.00	.00	.00	.87	.71
8	1.1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	1.1
9	.81	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.20
10	.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.50	.07
11	.46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.01
12	.61	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.9	.00
13	.35	.00	.00	.00	.00	.00	.00	.00	.01	.00	5.7	.00
14	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.5	.00
15	.22	.00	.00	.00	.00	.00	.00	.00	.00	1.9	.89	.00
16	.21	.00	.00	.00	.00	.00	.00	.00	.03	1.7	.55	.00
17	.16	.00	.00	.00	.00	.00	.00	.00	.02	.02	.36	3.4
18	.09	.00	.00	.00	.00	.00	.00	.00	.81	.00	.25	1.4
19	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.16	.76
20	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	2.4
21	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.66
22	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.68	.31
23	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26	.24
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.07	2.1
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.81	.01	2.5
26	.00	.18	.00	.00	.00	.00	.00	.00	.00	.02	.11	.60
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.36
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.24
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.17
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.56	.11
31	.00	---	.00	.00	---	.00	---	.00	---	.06	.24	---
TOTAL	16.47	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.87	5.11	38.08	17.63
MEAN	.53	.14	.000	.000	.000	.000	.000	.000	.029	.16	1.23	.59
MAX	3.2	2.7	.00	.00	.00	.00	.00	.00	.81	1.9	11	3.4
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
MED	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.19
AC-FT	33	8.3	.00	.00	.00	.00	.00	.00	1.7	10	76	35
CFSM	.21	.05	.00	.00	.00	.00	.00	.00	.01	.06	.47	.23
IN.	.24	.06	.00	.00	.00	.00	.00	.00	.01	.07	.55	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	.53	.14	.000	.000	.000	.000	.000	.000	.029	.16	1.23	.59
MAX	.53	.14	.000	.000	.000	.000	.000	.000	.029	.16	1.23	.59
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	.53	.14	.000	.000	.000	.000	.000	.000	.029	.16	1.23	.59
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	**FOR 1999 CALENDAR YEAR**		**FOR 2000 WATER YEAR**	
ANNUAL TOTAL			82.32	
ANNUAL MEAN			.22	
HIGHEST DAILY MEAN	5.7	Sep 21	11	Aug 1
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 1	.00	Oct 24
MAXIMUM PEAK FLOW			18	Aug 1
MAXIMUM PEAK STAGE			32.29	Aug 1
ANNUAL RUNOFF (AC-FT)			163	
ANNUAL RUNOFF (CFSM)			.087	
ANNUAL RUNOFF (INCHES)			1.18	
10 PERCENT EXCEEDS	.71		.56	
50 PERCENT EXCEEDS	.00		.00	
90 PERCENT EXCEEDS	.00		.00	

02305851 CURIOSITY CREEK AT 122ND AVENUE NEAR SULPHUR SPRINGS, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53	.00
2	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.3	.00
3	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.7	.00
4	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.99	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.59	.17
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.45	1.9
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.39	8.5
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	1.2
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.0	1.0
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.0	.70
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.83	.35
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.51	.30
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	.19
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.48	18
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33	17
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	5.0
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	2.1
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	1.2
19	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.08	.82
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.47
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.31
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.27	.00	.37
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.7	.00	.97
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.1	.00	.53
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.7	.00	.39
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.69	.00	.30
29	.00	.00	.00	.00	---	.03	.00	.00	.00	.39	.00	.23
30	.00	.00	.00	.00	---	.01	.00	.00	.00	.21	.00	.18
31	.00	---	.00	.00	---	.00	---	.00	---	.24	.00	---
TOTAL	0.15	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	9.39	18.50	63.16
MEAN	.005	.000	.000	.000	.000	.002	.000	.000	.000	.30	.60	2.11
MAX	.07	.00	.00	.00	.00	.03	.00	.00	.01	3.1	4.0	18
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.21	.43
AC-FT	.3	.00	.00	.00	.00	.1	.00	.00	.02	19	37	125
CFSM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.23	.81
IN.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13	.27	.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	.27	.069	.000	.000	.000	.001	.000	.000	.015	.23	.91	1.35
MAX	.53	.14	.000	.000	.000	.002	.000	.000	.029	.30	1.23	2.11
(WY)	2000	2000	2000	2000	2000	2001	2000	2000	2000	2001	2000	2001
MIN	.005	.000	.000	.000	.000	.000	.000	.000	.000	.16	.60	.59
(WY)	2001	2001	2000	2000	2000	2000	2000	2000	2001	2000	2001	2000

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 2000 - 2001**	
ANNUAL TOTAL	61.84		91.26			
ANNUAL MEAN	.17		.25		.24	
HIGHEST ANNUAL MEAN					.25	2001
LOWEST ANNUAL MEAN					.22	2000
HIGHEST DAILY MEAN	11	Aug 1	18	Sep 14	18	Sep 14 2001
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 5	.00	Oct 24 1999
MAXIMUM PEAK FLOW			43	Sep 14	43	Sep 14 2001
MAXIMUM PEAK STAGE			32.91	Sep 14	32.91	Sep 14 2001
ANNUAL RUNOFF (AC-FT)	123		181		172	
ANNUAL RUNOFF (CFSM)	.065		.097		.092	
ANNUAL RUNOFF (INCHES)	.89		1.31		1.25	
10 PERCENT EXCEEDS	.25		.37		.41	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

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, on east side of swimming pool, 100 ft west of U. S. Highway 41 in Sulphur Springs, and 500 ft 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 (periodic 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 same site and datum.
REMARKS.--Records poor. Discharge measurements made in spring run about 300 ft downstream from gage. Flow regulated by operating gates in control at 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 (station 02304500). Statistics do not include diverted flow.
REVISED RECORDS.--WRD FL-91-3A: Discharge and diversion published in 1988-90.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	25	27	25	3.5	12	24	3.5	9.4	18	32	32
2	28	12	26	25	3.5	3.5	24	3.5	3.5	12	33	32
3	28	17	26	25	14	3.5	10	3.5	3.5	3.5	35	31
4	28	26	26	11	22	3.5	3.5	3.5	3.5	3.5	35	31
5	28	26	27	3.5	23	13	3.5	3.5	3.8	3.5	34	32
6	27	26	27	16	23	20	3.5	3.5	11	7.3	34	33
7	27	26	26	24	11	21	3.5	6.0	15	18	35	33
8	27	26	27	25	3.5	13	3.5	9.8	15	20	35	34
9	26	26	27	25	3.5	12	12	6.7	15	15	35	34
10	26	26	27	25	3.5	12	19	7.0	15	3.5	35	33
11	26	26	27	12	3.5	14	15	7.0	8.3	3.5	35	33
12	26	25	27	3.5	14	12	14	3.5	3.5	3.5	36	33
13	26	25	27	15	21	11	8.9	3.5	3.5	3.5	36	33
14	26	25	27	23	22	12	9.5	7.0	3.5	3.5	35	36
15	26	25	27	24	10	12	8.9	13	3.5	3.5	35	37
16	25	25	27	24	3.5	e12	8.3	11	3.5	14	35	38
17	25	25	27	24	3.5	e12	3.5	6.3	3.5	22	35	39
18	24	25	27	25	3.5	12	3.5	6.3	6.6	23	35	40
19	38	25	27	25	14	7.6	3.5	3.5	11	23	35	40
20	52	25	26	25	21	10	3.5	3.5	13	23	34	40
21	52	25	12	25	22	9.7	3.5	6.6	8.3	24	34	41
22	52	25	3.5	25	10	4.7	3.5	12	3.5	25	34	41
23	52	25	16	25	3.5	3.5	12	9.4	3.5	26	34	40
24	52	26	24	25	3.5	3.5	17	5.7	3.5	26	34	40
25	52	26	25	25	3.5	3.5	18	3.5	7.8	27	34	40
26	30	28	26	25	13	8.6	18	3.5	12	29	33	40
27	12	27	15	24	20	14	18	3.5	14	30	33	40
28	3.5	27	3.5	24	21	13	18	3.5	15	30	33	40
29	3.5	26	3.5	24	---	5.1	8.9	5.5	16	31	32	39
30	3.5	27	15	24	---	14	3.5	10	18	30	32	38
31	11	---	24	11	---	23	---	12	---	31	32	---
TOTAL	891.5	749	702.5	662.0	323.0	330.7	305.5	190.3	256.2	535.8	1059	1093
MEAN	28.8	25.0	22.7	21.4	11.5	10.7	10.2	6.14	8.54	17.3	34.2	36.4
MAX	52	28	27	25	23	23	24	13	18	31	36	41
MIN	3.5	12	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	32	31

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2001, BY WATER YEAR (WY)

MEAN	43.6	39.2	37.8	38.5	38.0	38.4	32.0	27.0	30.0	36.8	44.8	47.2
MAX	72.5	65.7	56.0	54.3	61.5	86.6	80.2	61.9	49.4	58.9	110	71.1
(WY)	1960	1960	1960	1970	1964	1960	1960	1960	1960	1960	1960	1960
MIN	16.5	13.7	9.66	9.98	11.5	9.40	4.73	2.49	.28	2.02	14.5	31.3
(WY)	1973	1973	1979	1985	2001	2000	1976	2000	2000	2000	1977	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1960 - 2001**	
ANNUAL TOTAL	7087.71		7098.5			
ANNUAL MEAN	19.4		19.4		37.8	
HIGHEST ANNUAL MEAN					67.6	1960
LOWEST ANNUAL MEAN					19.4	2001
HIGHEST DAILY MEAN	52	Jan 1	52	Oct 20	145	Mar 19 1960
LOWEST DAILY MEAN	.00	Many Days	3.5	Oct 28	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 18	3.5	Apr 30	.00	Mar 18 2000
10 PERCENT EXCEEDS	52		35		53	
50 PERCENT EXCEEDS	23		22		40	
90 PERCENT EXCEEDS	.00		3.5		12	

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL--Continued

DAILY MEAN DIVERSION, IN CUBIC FEET PER SECOND, FROM SULPHUR SPRINGS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	30	13	---	30	11	---	---	---
2	---	18	---	---	30	30	---	30	30	12	---	---
3	---	11	---	---	11	30	18	30	30	30	---	---
4	---	---	---	19	---	30	30	30	30	30	---	---
5	---	---	---	30	---	11	30	30	9.2	30	---	---
6	---	---	---	11	---	---	30	30	---	21	---	---
7	---	---	---	---	18	---	30	14	---	---	---	---
8	---	---	---	---	30	13	30	10	---	---	---	---
9	---	---	---	---	30	15	11	19	---	9.9	---	---
10	---	---	---	---	30	15	---	13	---	30	---	---
11	---	---	---	19	30	15	8.9	18	16	30	---	---
12	---	---	---	30	10	15	18	30	30	30	---	---
13	---	---	---	11	---	16	19	30	30	30	---	---
14	---	---	---	---	---	15	18	11	30	30	---	---
15	---	---	---	---	19	14	18	---	30	30	---	---
16	---	---	---	---	30	15	18	8.9	30	11	---	---
17	---	---	---	---	30	15	30	18	30	---	---	---
18	---	---	---	---	30	15	30	19	10	---	---	---
19	---	---	---	---	11	22	30	30	---	---	---	---
20	---	---	---	---	---	16	30	30	---	---	---	---
21	---	---	19	---	---	19	30	10	16	---	---	---
22	---	---	30	---	19	27	30	---	30	---	---	---
23	---	---	11	---	30	30	9.5	10	30	---	---	---
24	---	---	---	---	30	30	---	19	30	---	---	---
25	---	---	---	---	30	30	---	30	8.8	---	---	---
26	17	---	---	---	11	18	---	30	---	---	---	---
27	30	---	16	---	---	8.9	---	30	---	---	---	---
28	30	---	30	---	---	8.9	---	30	---	---	---	---
29	30	---	30	---	---	29	19	10	---	---	---	---
30	30	---	11	---	---	13	30	---	---	---	---	---
31	18	---	---	19	---	---	---	---	---	---	---	---
TOTAL	155	29	147	139	459	528.8	517.4	599.9	431.0	323.9	---	---
MEAN	25.8	14.5	21.0	19.9	24.2	18.9	23.5	22.2	23.9	24.9	---	---
MAX	30	18	30	30	30	30	30	30	30	30	---	---
MIN	17	11	11	11	10	8.9	8.9	8.9	8.8	9.9	---	---

HILLSBOROUGH RIVER BASIN

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of a specific conductance and temperature probe located 1.0 ft above the bottom of the pool.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 5,960 microsiemens, Sept. 14, 1999; minimum, 1,870 microsiemens, June 16, 19, 1999.
TEMPERATURE.--Maximum, 25.8°C, Aug. 27, 1999, Aug. 3, 4, 16, Sept. 15, 2000; minimum, 23.9°C, Jan. 16 - Feb. 7, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum, 5,860 microsiemens, Oct. 26; minimum, 1,990 microsiemens, July 2.
TEMPERATURE.--Maximum, 25.7°C, July 18, 27-30; minimum, 23.9°C, Jan. 16 - Feb. 7.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.0 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3080	3030	3360	3160	2750	2710	3230	3040	2950	2800	3210	3030
2	3070	3040	3160	3040	2760	2730	3040	2970	3160	2950	3060	2940
3	3050	3030	3050	2990	2770	2750	2970	2920	3300	3160	3170	2940
4	3060	3030	3030	2970	2800	2750	2930	2880	3240	3120	3260	3170
5	3040	3020	2970	2890	2760	2720	3060	2920	3120	2940	3280	3180
6	3020	2950	2890	2850	2770	2730	3250	3060	2940	2860	3220	3110
7	2950	2900	2850	2790	2830	2760	3240	3170	2860	2800	3110	2840
8	2900	2840	2800	2750	2840	2810	3170	3040	2860	2760	2840	2700
9	2840	2770	2750	2690	2870	2830	3070	3010	3160	2860	2700	2610
10	2770	2690	2690	2680	2900	2870	3010	2980	3370	3160	2790	2640
11	2690	2610	2700	2670	2900	2880	2980	2930	3510	3370	2930	2780
12	2610	2600	2710	2680	2880	2860	3100	2950	3630	3510	2940	2820
13	2660	2610	2680	2640	2880	2860	3290	3100	3540	3400	2940	2800
14	2700	2650	2640	2600	2880	2850	3280	3240	3400	3230	2930	2800
15	2720	2700	2600	2580	2900	2870	3240	3120	3230	3150	2960	2820
16	2710	2680	2580	2530	2920	2890	3120	3060	3350	3210	2970	2840
17	2680	2640	2540	2500	2920	2880	3060	2990	3550	3350	2980	2970
18	2660	2610	2520	2510	2920	2880	2990	2970	3660	3550	2980	2820
19	3910	2590	2530	2510	2890	2850	3000	2970	3740	3640	2960	2790
20	4940	3910	2560	2520	2890	2830	3020	2990	3640	3490	2840	2700
21	5400	4930	2560	2530	2850	2790	3020	2990	3490	3260	2810	2730
22	5600	5310	2530	2460	2930	2800	2990	2900	3260	3120	2880	2790
23	5710	5490	2470	2410	3120	2930	2900	2850	3300	3160	3030	2880
24	5790	5660	2460	2410	3090	3040	2850	2810	3520	3300	3180	3030
25	5840	5650	2540	2460	3040	2920	2810	2770	3660	3520	3250	3180
26	5860	4580	2560	2490	2920	2860	2770	2760	3740	3650	3350	3170
27	4750	4050	2580	2530	2890	2840	2760	2720	3650	3480	3290	3100
28	4050	3490	2630	2580	3030	2880	2740	2730	3480	3210	3100	2960
29	3510	3480	2690	2630	3290	3030	2770	2740	---	---	2960	2740
30	3490	3390	2740	2690	3420	3290	2780	2770	---	---	2760	2730
31	3390	3340	---	---	3350	3230	2810	2770	---	---	2890	2760
MONTH	5860	2590	3360	2410	3420	2710	3290	2720	3740	2760	3350	2610

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.0 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2880	2860	2410	2280	2290	2110	2080	2010	2860	2820	3290	3220
2	2900	2880	2610	2410	2190	2100	2090	1990	2880	2810	3310	3260
3	2930	2880	2720	2610	2250	2110	2180	2080	2890	2860	3300	3270
4	3040	2910	2790	2720	2350	2250	2440	2180	2920	2860	3300	3240
5	3240	3040	2900	2790	2430	2320	2620	2440	3060	2920	3260	3190
6	3310	3240	3000	2900	2430	2220	2580	2550	3100	3040	3310	3240
7	3330	3300	3060	2960	2290	2200	2630	2570	3120	3080	3370	3310
8	3340	3320	3050	2810	2200	2090	2590	2400	3130	3100	3440	3370
9	3380	3290	2830	2480	2090	2060	2400	2280	3150	3120	3490	3440
10	3290	3160	2530	2410	2060	2040	2300	2280	3180	3150	3520	3480
11	3160	2950	2450	2340	2110	2050	2560	2290	3200	3170	3530	3520
12	2950	2830	2400	2340	2150	2090	2730	2560	3190	3150	3540	3510
13	2860	2820	2480	2360	2360	2150	2840	2730	3160	3140	3580	3520
14	2870	2820	2690	2480	2640	2360	2970	2840	3190	3160	3620	3570
15	2890	2830	2680	2620	2880	2640	3050	2970	3200	3180	3600	3250
16	2890	2820	2620	2350	3020	2880	3100	3050	3200	3180	3320	3210
17	2860	2810	2370	2250	3120	3020	3050	2910	3230	3190	3550	3320
18	2870	2810	2330	2240	3150	3080	2910	2750	3250	3210	3670	3550
19	2910	2870	2310	2240	3110	2980	2750	2720	3270	3240	3730	3650
20	2960	2910	2380	2280	2980	2520	2730	2710	3290	3250	3800	3710
21	3000	2960	2480	2380	2520	2340	2720	2700	3300	3270	3880	3790
22	3040	3000	2460	2410	2390	2300	2760	2700	3290	3260	3940	3870
23	3090	3020	2410	2210	2560	2320	2810	2760	3300	3260	3970	3920
24	3020	2840	2250	2150	2960	2560	2810	2750	3320	3290	3970	3930
25	2840	2570	2250	2140	3060	2960	2860	2790	3320	3310	4000	3920
26	2570	2420	2300	2210	3060	2960	2850	2720	3320	3290	3930	3900
27	2420	2340	2400	2300	2960	2490	2720	2590	3290	3260	3980	3880
28	2340	2280	2580	2400	2490	2280	2620	2590	3260	3210	4040	3980
29	2280	2260	2620	2580	2280	2190	2760	2620	3220	3170	4060	4000
30	2280	2260	2640	2590	2190	2080	2840	2750	3190	3150	4000	3900
31	---	---	2590	2290	---	---	2870	2840	3240	3170	---	---
MONTH	3380	2260	3060	2140	3150	2040	3100	1990	3320	2810	4060	3190
YEAR	5860	1990										

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1.0 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.5	25.4	25.3	25.1	24.9	24.8	24.4	24.3	24.0	23.9	24.5	24.4
2	25.5	25.4	25.2	25.1	24.9	24.8	24.4	24.3	24.0	23.9	24.5	24.5
3	25.5	25.4	25.2	25.1	24.8	24.7	24.4	24.3	24.0	23.9	24.6	24.5
4	25.5	25.4	25.2	25.1	24.8	24.7	24.3	24.2	24.0	23.9	24.6	24.5
5	25.5	25.4	25.2	25.1	24.8	24.7	24.3	24.2	23.9	23.9	24.5	24.3
6	25.5	25.4	25.2	25.1	24.7	24.7	24.3	24.1	24.0	23.9	24.5	24.3
7	25.5	25.4	25.3	25.1	24.7	24.7	24.2	24.1	24.1	23.9	24.5	24.4
8	25.5	25.4	25.2	25.1	24.8	24.6	24.2	24.1	24.1	24.0	24.6	24.4
9	25.5	25.4	25.2	25.1	24.7	24.6	24.1	24.0	24.1	24.0	24.6	24.4
10	25.5	25.4	25.2	25.1	24.7	24.6	24.1	24.0	24.1	24.0	24.6	24.4
11	25.5	25.4	25.2	25.1	24.7	24.6	24.1	24.0	24.1	24.1	24.6	24.4
12	25.5	25.4	25.2	25.1	24.7	24.6	24.1	24.0	24.2	24.0	24.5	24.4
13	25.5	25.4	25.2	25.1	24.6	24.6	24.1	24.0	24.1	24.0	24.5	24.4
14	25.4	25.3	25.2	25.1	24.6	24.6	24.1	24.0	24.2	24.0	24.5	24.4
15	25.4	25.3	25.2	25.1	24.6	24.6	24.1	24.0	24.2	24.1	24.5	24.4
16	25.4	25.3	25.2	25.1	24.6	24.5	24.0	23.9	24.2	24.1	24.5	24.4
17	25.4	25.3	25.2	25.1	24.6	24.5	24.0	23.9	24.3	24.2	24.4	24.4
18	25.4	25.3	25.2	25.1	24.6	24.5	24.0	23.9	24.4	24.2	24.5	24.4
19	25.4	25.2	25.2	25.0	24.5	24.5	24.0	23.9	24.4	24.3	24.5	24.4
20	25.4	25.3	25.1	25.0	24.6	24.5	23.9	23.9	24.4	24.3	24.5	24.3
21	25.4	25.3	25.1	25.0	24.7	24.5	24.0	23.9	24.4	24.3	24.3	24.2
22	25.4	25.4	25.1	24.9	24.6	24.6	24.0	23.9	24.4	24.3	24.5	24.3
23	25.4	25.4	25.0	25.0	24.6	24.5	24.0	23.9	24.4	24.3	24.5	24.4
24	25.4	25.4	25.1	25.0	24.6	24.5	24.0	23.9	24.5	24.4	24.6	24.4
25	25.4	25.4	25.0	25.0	24.6	24.5	24.0	23.9	24.5	24.4	24.6	24.5
26	25.5	25.3	25.0	24.8	24.5	24.4	24.0	23.9	24.6	24.4	24.6	24.4
27	25.3	25.2	24.8	24.7	24.5	24.4	24.0	23.9	24.5	24.4	24.6	24.4
28	25.3	25.2	24.9	24.8	24.5	24.4	24.0	23.9	24.5	24.4	24.5	24.4
29	25.3	25.2	24.8	24.8	24.5	24.4	24.0	23.9	---	---	24.5	24.3
30	25.3	25.2	24.9	24.8	24.4	24.3	23.9	23.9	---	---	24.4	24.1
31	25.3	25.2	---	---	24.4	24.3	24.0	23.9	---	---	24.2	24.1
MONTH	25.5	25.2	25.3	24.7	24.9	24.3	24.4	23.9	24.6	23.9	24.6	24.1

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.3	24.2	24.9	24.8	25.0	25.0	25.5	25.3	25.6	25.5	25.5	25.4
2	24.4	24.2	24.9	24.8	25.1	25.0	25.5	25.3	25.5	25.5	25.5	25.4
3	24.4	24.3	24.9	24.8	25.2	25.0	25.5	25.3	25.5	25.4	25.5	25.4
4	24.5	24.4	24.9	24.8	25.2	25.1	25.4	25.3	25.5	25.4	25.5	25.4
5	24.5	24.4	24.9	24.8	25.2	25.0	25.5	25.3	25.6	25.5	25.5	25.4
6	24.6	24.4	24.9	24.8	25.2	25.0	25.5	25.4	25.6	25.4	25.5	25.4
7	24.6	24.5	25.1	24.8	25.2	25.0	25.6	25.5	25.6	25.4	25.5	25.4
8	24.6	24.5	24.9	24.8	25.3	25.0	25.6	25.5	25.6	25.4	25.5	25.4
9	24.7	24.5	24.9	24.8	25.3	25.1	25.6	25.5	25.5	25.4	25.5	25.4
10	24.7	24.5	24.9	24.7	25.4	25.1	25.5	25.4	25.5	25.4	25.5	25.4
11	24.7	24.5	24.9	24.7	25.3	25.2	25.5	25.5	25.5	25.4	25.5	25.4
12	24.7	24.6	24.9	24.8	25.3	25.2	25.6	25.5	25.5	25.4	25.5	25.4
13	24.7	24.6	24.9	24.8	25.3	25.2	25.5	25.5	25.5	25.4	25.5	25.4
14	24.8	24.6	25.0	24.8	25.3	25.2	25.6	25.5	25.5	25.4	25.4	25.4
15	24.8	24.6	25.0	24.8	25.4	25.2	25.6	25.5	25.4	25.4	25.4	25.3
16	24.8	24.7	25.0	24.8	25.4	25.3	25.6	25.5	25.4	25.4	25.3	25.2
17	24.8	24.7	25.0	24.8	25.4	25.3	25.6	25.5	25.5	25.4	25.4	25.2
18	24.8	24.7	25.0	24.8	25.5	25.3	25.7	25.5	25.5	25.4	25.4	25.3
19	24.9	24.7	24.9	24.8	25.5	25.3	25.6	25.5	25.4	25.4	25.4	25.3
20	24.9	24.8	25.0	24.8	25.5	25.3	25.6	25.5	25.5	25.4	25.4	25.3
21	24.9	24.8	25.1	24.9	25.4	25.3	25.6	25.5	25.5	25.4	25.5	25.4
22	24.9	24.8	25.1	24.9	25.3	25.3	25.6	25.5	25.5	25.4	25.5	25.4
23	24.9	24.8	25.1	24.9	25.3	25.3	25.5	25.5	25.5	25.4	25.5	25.3
24	24.9	24.8	25.1	24.9	25.4	25.3	25.6	25.5	25.5	25.4	25.4	25.3
25	24.8	24.7	25.0	24.9	25.5	25.3	25.6	25.5	25.5	25.4	25.4	25.3
26	24.9	24.7	25.0	24.9	25.5	25.3	25.6	25.5	25.5	25.4	25.4	25.3
27	24.9	24.7	25.1	24.9	25.5	25.3	25.7	25.5	25.5	25.4	25.4	25.3
28	24.9	24.7	25.1	24.9	25.5	25.3	25.7	25.6	25.5	25.4	25.4	25.3
29	24.9	24.7	25.3	25.0	25.5	25.3	25.7	25.6	25.5	25.4	25.4	25.3
30	24.9	24.8	25.2	25.0	25.5	25.3	25.7	25.5	25.5	25.4	25.4	25.3
31	---	---	25.2	25.0	---	---	25.6	25.5	25.5	25.4	---	---
MONTH	24.9	24.2	25.3	24.7	25.5	25.0	25.7	25.3	25.6	25.4	25.5	25.2
YEAR	25.7	23.9										

HILLSBOROUGH RIVER BASIN

023060003 SULPHUR SPRINGS RUN AT SULPHUR SPRINGS, FL

LOCATION.--Lat 28°01'15", long 82°27'09", in NE¼ sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, about 300 feet downstream from the Sulphur Springs Pool, and 200 feet upstream from confluence with Hillsborough River.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--May 1999 to current year (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
REMARKS.--During periods of minimum gage heights, gage may have been isolated from the spring run. Actual minimum gage heights may be lower than reported.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 5.32 ft, Sept. 17, 2000; minimum, 0.44 ft below NGVD, several days in 2000.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.95 ft, July 23; minimum, 0.41 ft below NGVD, Feb. 9, Mar. 25-27, Apr. 22, May 1, 6, June 16.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1.83	.43	2.07	.29	1.23	.34	.72	.21	1.21	-.39	1.72	-.35
2	1.61	.43	2.23	-.27	1.39	.32	.47	.22	.23	-.39	1.92	-.39
3	1.55	.44	1.85	.28	1.17	.31	.58	.22	.64	-.39	2.52	-.39
4	2.43	.45	1.62	.33	.67	.31	.72	-.38	1.10	.18	2.37	-.31
5	1.94	.44	1.81	.35	1.00	.30	1.81	-.39	1.13	.19	1.33	-.40
6	1.84	.44	2.15	.52	1.67	.31	1.66	-.38	1.42	.17	1.37	.17
7	1.91	.41	2.10	.38	1.66	.29	2.19	.24	1.45	-.39	1.34	.19
8	1.37	.41	2.46	.49	2.14	.30	2.22	.23	1.57	-.40	1.53	-.39
9	.75	.39	2.76	.46	2.31	.30	2.18	.16	1.45	-.41	1.97	-.39
10	.87	.40	2.85	.43	2.40	.29	1.29	.25	1.52	-.40	2.63	-.37
11	1.29	.39	2.27	.35	2.62	.26	2.02	-.37	1.09	-.40	1.66	-.39
12	1.59	.41	2.19	.35	2.77	.27	2.09	-.39	1.07	-.40	2.06	-.37
13	2.05	.42	2.53	.36	2.41	.26	1.20	-.39	1.21	.17	2.44	.14
14	2.16	.41	3.07	.36	2.69	.27	1.22	.21	1.16	.21	1.64	-.24
15	2.09	.41	1.87	.35	2.13	.27	1.01	.23	1.29	-.14	2.60	.14
16	2.18	.41	2.01	.25	1.81	.28	1.34	.22	1.27	-.39	1.99	.16
17	2.47	.44	2.40	.37	2.47	.29	1.25	.22	1.34	-.37	.95	-.22
18	2.25	.41	1.72	.37	1.12	.28	1.58	.22	.50	-.39	1.19	-.39
19	2.25	.42	1.81	.38	1.40	.28	2.03	.23	1.71	-.38	1.49	-.39
20	2.06	.87	1.97	.33	.96	.26	1.79	.21	1.69	.20	1.77	.05
21	2.17	.83	.60	.33	1.40	-.33	.67	.21	1.63	.22	1.89	-.39
22	2.01	.80	1.05	.32	1.21	-.35	.67	.21	1.76	-.37	1.17	-.39
23	1.79	.77	1.25	.33	.95	-.39	.61	.22	1.85	-.39	1.03	-.39
24	1.39	.75	3.09	.34	.87	.26	.93	.22	1.34	-.39	1.23	-.39
25	1.82	.75	3.07	.39	.97	.27	1.32	.19	1.68	-.39	1.57	-.41
26	2.13	-.33	2.63	.36	1.53	.27	.71	.23	1.63	-.28	1.39	-.41
27	2.11	.20	2.11	.33	1.86	-.32	.95	.24	1.26	.15	1.13	-.41
28	2.07	-.35	2.09	.33	2.27	-.37	1.22	.23	1.44	.19	1.76	-.39
29	2.40	-.35	1.65	.33	2.10	-.39	1.29	.23	---	---	2.65	-.39
30	2.31	-.35	1.64	.34	1.42	-.38	1.56	.22	---	---	2.51	-.39
31	1.93	-.35	---	---	.33	.20	1.31	-.32	---	---	1.78	.21
MONTH	2.47	-.35	3.09	-.27	2.77	-.39	2.22	-.39	1.85	-.41	2.65	-.41

HILLSBOROUGH RIVER BASIN

023060003 SULPHUR SPRINGS RUN AT SULPHUR SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.33	.24	1.28	-.41	1.99	-.40	1.91	.23	2.24	.48	2.49	.36
2	1.32	.23	1.25	-.40	2.15	-.40	2.05	-.38	2.33	.50	2.45	.35
3	1.83	-.02	1.26	-.40	1.99	-.40	2.07	-.38	3.05	.56	2.39	.34
4	1.90	-.39	1.12	-.40	2.12	-.39	2.45	-.39	3.24	.56	2.29	.35
5	1.90	-.40	1.39	-.40	2.02	-.36	2.55	-.39	2.95	.58	2.15	.36
6	1.69	-.39	1.71	-.41	2.25	-.09	2.20	-.09	2.31	.55	1.98	.36
7	1.66	-.39	1.91	-.39	2.25	.08	2.47	.16	2.21	.54	2.08	.37
8	1.73	-.40	1.74	-.40	1.99	.12	2.16	.26	1.92	.54	2.26	.39
9	1.79	-.06	2.10	-.40	1.95	.12	2.16	-.39	1.93	.54	2.19	.38
10	1.77	.21	2.41	-.40	2.12	.14	2.07	-.39	1.72	.56	2.21	.37
11	2.53	-.39	2.11	-.39	2.15	-.23	1.76	-.40	1.86	.54	1.81	.37
12	2.13	-.39	1.97	-.39	1.67	-.33	1.77	-.18	1.80	.52	2.45	.37
13	2.02	-.39	1.81	-.40	1.29	-.36	1.91	.02	1.73	.49	2.23	.37
14	1.77	-.39	1.45	-.40	1.23	-.40	1.69	-.38	2.19	.48	3.03	.46
15	1.75	-.39	1.41	.05	1.20	-.39	1.63	-.40	2.48	.47	2.45	.49
16	1.10	-.38	1.42	.10	1.47	-.41	1.73	.03	2.72	.45	2.78	.51
17	1.00	-.38	1.41	-.39	1.40	-.40	2.32	.35	2.64	.45	2.87	.54
18	.56	-.37	1.52	-.39	1.67	-.23	2.61	.35	2.94	.45	2.83	.51
19	.80	-.36	1.64	-.40	1.95	.11	2.65	.31	3.26	.44	2.68	.53
20	1.49	-.39	1.97	-.40	1.99	.13	2.53	.31	2.82	.43	2.77	.78
21	1.57	-.40	2.34	-.01	2.32	-.39	3.09	.31	2.39	.42	3.03	.73
22	1.35	-.41	2.49	.07	2.27	-.39	3.29	.33	2.17	.41	2.81	.73
23	1.82	-.39	2.63	-.40	2.38	-.40	4.95	.33	1.97	.41	2.69	.81
24	1.94	.15	2.26	-.40	2.07	-.40	2.66	.36	1.80	.40	2.78	1.15
25	1.87	.18	2.77	-.40	1.93	-.39	2.78	.36	1.87	.39	2.87	.89
26	1.24	.20	2.50	-.40	2.15	.02	2.06	.39	1.67	.39	1.97	.61
27	1.51	.19	2.42	-.40	1.35	.07	1.51	.41	1.74	.38	2.30	1.09
28	1.99	.21	2.18	-.40	1.26	.11	1.44	.41	1.82	.37	2.94	1.20
29	1.39	-.39	1.88	-.40	1.58	.15	1.55	.42	1.93	.37	2.71	.82
30	1.09	-.40	1.23	-.04	1.67	.21	1.58	.42	2.10	.37	1.97	.53
31	---	---	1.58	.03	---	---	1.67	.46	2.36	.36	---	---
MONTH	2.53	-.41	2.77	-.41	2.38	-.41	4.95	-.40	3.26	.36	3.03	.34
YEAR	4.95	-.41										

HILLSBOROUGH RIVER BASIN

023060003 SULPHUR SPRINGS RUN AT SULPHUR SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of a specific conductance and temperature probe located near the bottom.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 32,200 microsiemens, June 10, 2000; minimum, 1,640 microsiemens, June 30, 2001.
TEMPERATURE.--Maximum, 31.6°C, May 26, 2000; minimum, 14.8°C, Jan. 5, 2001.
EXTREMES F0R CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum, 27,000 microsiemens, Dec. 28; minimum, 1,640 microsiemens, June 30.
TEMPERATURE.--Maximum, 29.7°C, July 12; minimum, 14.8°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3060	3020	3460	3260	2680	2660	3210	3020	7370	2610	7830	2930
2	3050	3010	4900	3110	2690	2670	3020	2960	3320	2870	15200	2870
3	3030	3000	22800	3060	2710	2690	2960	2890	3100	2970	17100	3330
4	3040	3010	3090	3020	2720	2700	3020	2820	3070	2970	13400	3640
5	3030	2990	3030	2920	2700	2680	25900	2930	2970	2820	7370	3050
6	3000	2930	2920	2810	2700	2670	25900	3140	2820	2740	3090	3010
7	2940	2870	2870	2820	2740	2690	3220	3120	17900	2710	3010	2740
8	2870	2800	2820	2770	2790	2730	3120	2990	21000	2720	5230	2570
9	2800	2730	2770	2710	2800	2760	3000	2940	22800	3080	14900	2490
10	2730	2650	2720	2680	2830	2800	2940	2900	23100	3210	17400	2460
11	2650	2570	2690	2670	2830	2800	13600	2830	17600	3020	17600	2680
12	2570	2560	2700	2670	2800	2770	22500	2550	8330	3270	16200	2650
13	2630	2570	2680	2630	2790	2770	19300	2800	3380	3210	15900	2680
14	2670	2620	2630	2580	2790	2780	3210	3160	3260	3070	16000	2670
15	2680	2670	2580	2560	2820	2790	3160	3050	4910	2980	11800	2710
16	2680	2650	2560	2510	2820	2800	3050	2980	4190	2990	12100	2750
17	2650	2620	2510	2470	2820	2790	2980	2910	11800	3170	7030	2640
18	2620	2590	2480	2460	2890	2820	2910	2870	4500	3210	2820	2540
19	4040	2560	2490	2480	2860	2830	2890	2870	3480	3380	14200	2660
20	5160	4040	2510	2490	2840	2820	2930	2890	3450	3310	13600	2620
21	5660	5160	2520	2490	2880	2770	2930	2900	3310	3090	14100	2670
22	5880	5590	2490	2420	2990	2820	2910	2800	16100	3020	9890	2630
23	6020	5780	2430	2360	3050	2880	2800	2740	19200	3150	14700	2820
24	6100	5960	2400	2350	3030	2990	2740	2710	20500	3170	17800	3060
25	6170	5980	2510	2390	2990	2870	2710	2670	22800	3570	20900	3140
26	7010	3240	2510	2470	2880	2810	2670	2640	22500	3460	19100	2970
27	18100	4510	2530	2470	18900	2760	2650	2620	3470	3300	3090	2750
28	21200	4060	2570	2530	27000	4430	2640	2610	3300	3030	14100	2090
29	23800	4060	2630	2570	20400	2770	2660	2630	---	---	17600	2270
30	23600	4290	2670	2630	20000	3300	2660	2640	---	---	7370	2270
31	21000	3460	---	---	3330	3210	6130	2630	---	---	2780	2660
MONTH	23800	2560	22800	2350	27000	2660	25900	2550	23100	2610	20900	2090

023060003 SULPHUR SPRINGS RUN AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2780	2750	21100	1960	11200	1990	1970	1920	2760	2710	3170	3110
2	2780	2760	22200	2850	19300	4680	2900	1900	2780	2630	3190	3140
3	6860	2750	21900	3380	19200	5270	6430	2030	2820	2780	3190	3160
4	13500	2790	22400	2870	21800	5060	11400	2140	2850	2770	3190	3120
5	17400	2730	24700	3390	18500	4500	8630	2410	2970	2850	3150	3090
6	19000	3080	24800	3560	6500	2520	11900	2470	3010	2950	3220	3140
7	18900	3330	24300	2840	2840	2240	2500	2360	3030	2990	3270	3130
8	19300	3640	2910	2640	2270	1980	2480	2300	3040	3010	3320	3260
9	18400	3170	10800	2390	2080	1980	6060	2190	3060	3020	3350	3310
10	3170	3060	23600	2310	2010	1940	10200	2520	3080	3060	3370	3350
11	3060	2890	24800	2230	3930	1970	12000	2720	3110	3040	3390	3360
12	2930	2720	25200	2680	6820	2390	10200	2680	3100	3070	3400	3370
13	3070	2710	24600	2950	3170	2140	12000	2940	3070	3060	3470	3390
14	2760	2670	15400	2400	8460	2190	10100	2900	3110	3070	3510	3370
15	2760	2700	2510	2400	12200	2690	15500	2940	3110	3100	3480	3160
16	2770	2700	2470	2210	15200	2930	14900	2950	3120	3100	3240	3140
17	2730	2610	9800	2140	18900	3090	3000	2850	3140	3110	3470	3230
18	2680	2570	12500	2180	14800	3080	2850	2700	3170	3130	3580	3460
19	9540	2640	20200	1930	3270	2870	2700	2660	3180	3160	3640	3570
20	24200	2890	24400	4440	2870	2410	2670	2660	3190	3170	3710	3630
21	25100	3040	24200	2420	16700	2270	2660	2630	3210	3180	3800	3710
22	22100	3040	2460	2290	18400	3130	2690	2630	3210	3180	3860	3800
23	22100	2930	2290	2120	18400	3420	9590	2690	3200	3170	3890	3850
24	2930	2760	18100	2100	17800	2940	2800	2680	3220	3190	3900	3860
25	2760	2490	24800	2300	13400	2960	2780	2720	3220	3200	3930	3860
26	2490	2340	25000	3850	3000	2870	2790	2490	3210	3180	3870	3830
27	2340	2250	25000	4660	2870	2370	2670	2520	3180	3150	3910	3830
28	2250	2210	23400	4850	2370	2150	2540	2500	3150	3100	3970	3910
29	17300	2050	22600	2730	2170	1890	2660	2540	3100	3050	3980	3920
30	17400	1850	3020	2440	2070	1640	2750	2660	3060	3040	3920	3840
31	---	---	2460	2160	---	---	2770	2640	3120	3050	---	---
MONTH	25100	1850	25200	1930	21800	1640	15500	1900	3220	2630	3980	3090
YEAR	27000	1640										

023060003 SULPHUR SPRINGS RUN AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.7	25.2	25.2	24.8	24.8	24.3	23.9	23.3	24.0	22.5	25.8	24.1
2	25.7	25.2	25.0	24.0	24.8	24.4	23.9	23.4	23.3	18.7	26.7	23.3
3	25.6	25.2	25.2	24.6	24.6	24.1	24.0	23.4	23.5	18.4	26.5	23.6
4	25.7	25.3	25.3	24.9	24.5	24.0	23.6	16.2	23.6	23.5	25.5	23.8
5	25.8	25.3	25.3	24.9	24.5	24.1	22.7	14.8	23.6	23.2	24.2	19.8
6	25.8	25.3	25.3	24.9	24.5	24.1	23.9	17.9	23.9	23.2	24.0	23.5
7	25.7	25.2	25.3	24.9	24.5	24.1	24.1	23.4	24.0	21.1	24.3	23.6
8	25.6	25.1	25.3	24.9	24.7	24.2	24.1	23.7	23.5	20.8	25.6	22.0
9	25.1	24.7	25.3	24.9	24.7	24.4	23.8	23.0	24.2	20.6	24.7	21.5
10	25.4	24.7	25.2	24.8	24.7	24.4	23.6	23.0	24.5	21.2	25.1	23.3
11	25.5	24.9	25.1	24.7	24.8	24.4	23.6	20.7	24.6	22.4	25.2	23.0
12	25.5	25.0	25.1	24.7	24.8	24.4	22.6	18.8	24.3	22.5	25.5	23.7
13	25.5	25.0	25.3	24.7	24.7	24.4	23.6	19.1	24.3	23.7	24.5	23.8
14	25.5	25.0	25.2	24.7	24.7	24.3	24.0	23.4	24.3	23.7	24.5	23.5
15	25.5	25.0	24.9	24.5	24.7	24.4	24.1	23.4	24.9	23.4	26.2	24.1
16	25.4	25.0	25.1	24.6	24.6	24.3	24.0	23.5	25.3	22.7	25.8	24.2
17	25.4	24.9	25.2	24.8	24.4	23.7	24.1	23.5	24.4	23.3	24.8	23.3
18	25.4	25.0	25.1	24.7	24.3	23.6	24.1	23.7	23.7	21.5	24.0	20.9
19	25.4	25.0	25.2	24.7	24.2	23.8	24.1	23.6	24.5	20.8	24.0	22.3
20	25.4	25.1	24.7	24.5	24.0	23.5	23.8	23.1	24.6	23.8	24.5	22.8
21	25.4	25.1	24.5	24.2	23.9	22.1	23.5	22.9	24.7	24.0	24.1	22.3
22	25.4	25.2	24.7	24.2	23.4	21.1	23.6	23.0	25.8	23.3	24.8	20.2
23	25.4	25.2	24.9	24.4	24.2	21.5	23.3	23.0	25.7	22.9	25.0	19.7
24	25.4	25.2	25.0	24.5	24.3	23.8	23.6	23.2	26.0	22.8	25.1	20.5
25	25.4	25.2	25.1	24.7	24.1	23.7	23.5	23.2	26.3	23.7	25.3	22.1
26	25.5	24.1	24.8	24.5	24.2	23.7	23.8	23.1	25.0	24.0	24.7	19.9
27	25.8	24.6	24.7	24.3	24.1	21.8	23.9	23.3	24.8	24.1	24.7	19.4
28	25.8	23.8	24.7	24.3	22.8	20.5	23.9	23.4	24.8	24.1	24.8	23.0
29	26.0	24.5	24.6	24.3	21.6	17.9	24.0	23.5	---	---	24.3	22.2
30	26.3	24.5	24.7	24.3	23.5	19.5	23.9	23.5	---	---	24.7	20.9
31	25.3	24.1	---	---	23.7	23.1	24.7	23.6	---	---	24.6	23.9
MONTH	26.3	23.8	25.3	24.0	24.8	17.9	24.7	14.8	26.3	18.4	26.7	19.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.4	23.8	25.9	21.8	26.3	24.3	25.9	25.2	25.8	25.3	25.9	25.3
2	24.5	23.8	25.6	21.9	27.6	25.0	26.8	25.2	25.5	25.2	25.8	25.3
3	25.5	23.9	25.0	21.6	28.1	25.6	28.1	25.1	25.8	25.3	25.9	25.3
4	25.2	22.4	26.1	22.3	28.9	24.8	28.8	25.0	25.7	25.3	25.9	25.3
5	25.8	22.4	26.4	22.0	28.1	25.4	28.5	25.1	25.8	25.4	25.8	25.3
6	25.8	23.2	26.1	22.0	26.0	25.0	28.9	25.4	25.9	25.3	25.8	25.3
7	25.7	23.4	26.0	23.5	25.8	24.9	26.1	25.3	26.0	25.3	25.8	25.3
8	26.6	23.7	25.2	21.7	26.0	24.9	26.0	25.4	25.9	25.3	25.8	25.3
9	25.0	23.9	25.1	21.3	25.9	24.9	27.1	25.4	25.9	25.3	25.7	25.3
10	25.1	24.3	25.5	21.5	26.2	24.9	28.5	25.6	25.9	25.3	25.8	25.3
11	25.1	23.8	25.6	22.2	28.5	25.0	28.0	25.7	25.9	25.3	25.8	25.3
12	25.1	23.4	26.4	22.2	28.5	25.5	29.7	25.7	25.9	25.3	25.7	25.3
13	25.2	23.6	27.3	23.1	28.0	25.5	28.9	26.2	25.9	25.3	25.5	25.3
14	25.2	23.7	25.7	23.4	28.1	25.2	27.6	25.4	25.8	25.3	25.3	25.0
15	25.3	23.9	25.4	24.5	27.8	25.2	28.2	24.8	25.6	25.3	25.4	25.1
16	25.2	23.8	25.5	24.4	28.2	25.0	27.3	25.0	25.6	25.3	25.6	25.1
17	26.3	22.6	25.7	23.1	28.4	25.4	25.9	25.4	25.7	25.3	25.6	25.1
18	23.1	17.5	26.3	23.7	27.0	25.1	26.0	25.4	25.8	25.3	25.6	25.2
19	25.1	19.1	27.4	24.1	26.1	25.0	25.9	25.4	25.7	25.3	25.7	25.2
20	26.1	20.8	27.7	24.3	26.1	25.0	25.8	25.4	25.8	25.2	25.7	25.2
21	26.5	22.0	26.6	24.7	28.7	25.1	25.8	25.4	25.8	25.3	25.7	25.3
22	26.8	22.5	25.6	24.7	28.0	24.8	25.9	25.4	25.8	25.2	25.7	25.3
23	25.2	23.8	25.8	23.2	27.5	24.9	26.6	25.4	25.9	25.2	25.7	25.2
24	25.2	24.5	25.9	23.0	28.1	24.9	26.1	25.3	25.8	25.2	25.6	25.3
25	24.9	24.5	28.4	23.1	26.3	24.4	26.1	25.4	25.8	25.3	25.5	25.2
26	25.2	24.1	29.3	24.5	26.5	25.1	26.0	25.3	25.7	25.3	25.4	25.2
27	25.2	24.2	29.6	23.9	26.4	25.1	26.0	25.4	25.8	25.2	25.4	25.2
28	25.2	24.3	29.2	24.6	26.1	25.1	26.2	25.4	25.8	25.3	25.5	25.2
29	26.7	23.6	27.5	24.9	25.9	25.1	26.2	25.5	25.9	25.3	25.4	25.1
30	25.5	21.4	26.2	24.8	25.9	24.9	26.0	25.5	25.8	25.3	25.6	25.0
31	---	---	26.0	24.6	---	---	25.7	25.3	25.8	25.3	---	---
MONTH	26.8	17.5	29.6	21.3	28.9	24.3	29.7	24.8	26.0	25.2	25.9	25.0
YEAR	29.7	14.8										

HILLSBOROUGH RIVER BASIN

023060005 SULPHUR SPRINGS MOUTH AT SULPHUR SPRINGS, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 28°01'15", long 82°27'12", in NE¼ sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, about 500 feet downstream from the Sulphur Springs Pool, and at confluence with Hillsborough River.
PERIOD OF RECORD.--May 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of a specific conductance and temperature probe located near the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Maximum, 39,000 microsiemens, Dec. 6, 2000; minimum, 1,080 microsiemens, Sept. 7, 2000.
TEMPERATURE.--Maximum, 31.8°C, July 12, 2000; minimum, 15.2°C, Jan. 5, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Maximum, 39,000 microsiemens, Dec. 6; minimum, 1,910 microsiemens, June 30.
TEMPERATURE.--Maximum, 31.3°C, June 14; minimum, 15.2°C, Jan. 5.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3040	2250	30000	3300	24800	2580	13800	3020	18600	3050	21400	3150
2	3420	2480	31600	3810	26500	2580	4390	2970	21500	2860	20300	3790
3	3400	2590	33400	3020	25800	2590	6710	2930	13800	2800	20700	4370
4	7110	2590	26600	3000	8880	2600	34100	2900	24100	3000	19500	8210
5	8660	2990	29300	2920	29000	2560	34100	2910	23900	2950	15300	3070
6	10300	2950	33100	3070	39000	2570	32200	3110	25800	2860	19100	2980
7	9370	2810	30200	2800	37900	2600	31800	3200	25900	2780	21100	2890
8	6070	2860	30300	2830	37500	2630	32800	3100	27100	2760	21100	2700
9	4900	2430	29700	3900	33100	2820	29800	2990	26200	3900	26600	2640
10	7100	2420	25800	2730	32200	2870	22200	2960	25500	3290	26000	2590
11	9670	2620	24300	2610	29100	2860	28000	2920	24200	3450	21600	2910
12	19200	2580	22000	2630	29400	2850	28200	2980	23800	3520	20800	2930
13	22000	2630	23200	2590	27800	2840	25200	3220	19700	3390	20200	2910
14	19700	2680	27700	2280	29100	2850	24200	3220	8010	3210	20000	2900
15	19500	2730	20900	2390	26200	2870	18000	3100	20200	3190	19600	2910
16	15600	2720	26000	2480	23900	2880	23500	3060	17200	3260	16800	2940
17	23400	2680	28800	2430	19000	2880	18400	2990	22900	3480	19800	2920
18	24600	2640	19300	2410	10100	2870	15400	2960	25800	3580	26000	2920
19	28700	2610	27600	2440	15800	2850	14100	2950	30500	3650	24400	2910
20	17100	4130	16500	2440	7440	2710	9500	2970	29300	3600	21700	3270
21	21700	5180	3920	2210	28400	2820	5200	2980	26900	3350	19100	2970
22	20200	5580	16000	2340	28600	2800	5240	2890	25700	3230	21200	2880
23	15300	5770	19300	2300	27000	2960	5120	2720	25800	4210	23400	2940
24	8040	5860	30800	2290	8730	2820	24200	2810	26000	3030	24800	4050
25	19200	5930	31700	3030	27900	2880	25600	2760	25700	6110	24800	5020
26	28300	5490	18200	2330	30600	2860	6870	2750	25200	3660	24200	3270
27	27100	4470	18000	2410	31400	2840	12700	2710	17800	3480	21600	3110
28	26400	7520	24700	2450	32300	9140	19200	2640	16300	3210	24500	2980
29	27100	8620	25200	2500	26200	3930	15200	2720	---	---	22200	2980
30	26900	8550	27200	2560	30000	3360	14400	2740	---	---	11500	2600
31	28400	6050	---	---	5080	2460	11700	2770	---	---	7030	2580
MONTH	28700	2250	33400	2210	39000	2460	34100	2640	30500	2760	26600	2580

023060005 SULPHUR SPRINGS MOUTH AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3710	2660	29600	2410	30800	2220	2690	2010	2870	2770	3500	3030
2	10700	2650	29400	2910	26400	8870	7880	2050	2900	2280	3750	3310
3	15800	2730	29600	5030	27100	5750	17100	2270	2910	2780	4450	3480
4	17900	3000	29600	2760	27900	2120	21200	2490	2980	2780	4190	3240
5	21300	3160	29400	5600	25400	2480	20700	2800	3090	2880	3550	2950
6	22700	4620	29200	3020	14300	2160	22400	2610	3150	3000	3350	2700
7	23000	4900	29200	3080	14200	2230	20400	2580	3180	3030	3410	2970
8	22600	4620	29800	3060	12300	2110	14200	2430	3190	3020	3460	3310
9	21700	3280	30900	2520	15200	2080	16200	2410	3210	3060	3510	3310
10	17000	3150	32800	2670	15800	2070	21900	2900	3210	2940	3560	3430
11	23100	3120	33200	3840	16000	2070	17200	3590	3260	2840	3580	3430
12	21000	3220	32400	3470	12200	3190	17800	6480	3230	3120	3570	3440
13	20600	3090	32200	5490	16800	3190	17600	7910	3240	3120	3610	3470
14	21800	3010	32500	2800	25600	3350	19600	4360	3280	3120	3650	2670
15	17300	3620	31400	2690	26700	4780	29700	4400	3300	3130	3450	3030
16	24300	2990	31100	2600	26600	4670	26600	3130	3300	3060	3350	3170
17	26400	2960	31600	3940	27200	4220	26400	2950	3340	3120	3590	3310
18	26700	2850	31800	5060	28800	3130	25100	2780	3360	3110	3710	3420
19	29400	2910	31800	8430	27600	2940	23600	2740	3390	3170	3730	3630
20	30000	2950	31200	8960	25500	2530	21100	2730	3410	3020	3790	3710
21	29500	5100	31700	2510	24500	2540	18200	2560	3430	2460	3890	3780
22	28200	3080	30200	2440	22500	2870	19700	2710	3430	3110	3950	3840
23	27500	3020	31200	2460	22700	2710	15900	2770	3430	3310	4000	3890
24	25100	2810	31300	2750	22500	2630	9060	2770	3460	2800	4000	3880
25	22500	2500	30500	2250	22400	3070	7030	2780	3480	3040	4030	3910
26	19200	2430	29600	3230	24400	3030	2970	2720	3470	2940	3960	3850
27	21800	2330	29400	2980	18600	2490	2740	2580	3440	2850	4010	3910
28	25800	2290	28600	4100	14400	2280	2630	2540	3420	3200	4060	4010
29	25400	2280	28200	6020	10400	2210	2780	2450	3370	3160	4070	3970
30	26200	2490	27200	2650	8860	1910	2890	2770	3390	2840	3980	3870
31	---	---	28600	2410	---	---	2900	2610	3450	2910	---	---
MONTH	30000	2280	33200	2250	30800	1910	29700	2010	3480	2280	4450	2670
YEAR	39000	1910										

023060005 SULPHUR SPRINGS MOUTH AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	26.8	25.3	25.6	24.8	25.2	22.4	24.3	21.2	23.7	21.0	25.8	24.1
2	26.8	25.3	25.8	24.5	25.1	22.5	24.2	23.5	23.0	20.2	26.5	23.8
3	26.2	25.3	25.6	24.3	24.8	22.6	24.3	22.2	23.5	20.6	26.0	24.0
4	26.9	25.4	25.4	24.8	24.7	23.9	23.7	18.0	23.7	19.9	25.6	23.4
5	27.1	25.4	25.7	24.9	24.7	22.0	21.6	15.2	23.9	20.1	24.6	21.9
6	26.6	25.4	26.0	24.9	24.5	21.8	23.9	17.1	24.2	19.8	24.6	22.6
7	26.5	25.3	25.9	24.7	24.5	21.6	23.9	17.7	24.5	19.8	24.7	22.8
8	26.1	25.1	26.0	24.7	24.5	21.5	24.0	17.5	24.8	19.8	24.6	22.6
9	25.5	23.5	25.8	24.6	24.6	21.6	23.9	17.8	25.2	20.0	24.5	22.4
10	25.9	24.4	25.8	24.8	24.8	21.8	23.9	18.7	25.9	20.7	24.5	22.4
11	26.2	25.0	25.5	24.4	24.7	22.1	24.0	17.7	26.1	21.6	25.0	22.4
12	26.7	25.0	25.3	24.3	24.8	22.0	24.3	17.8	25.0	22.2	25.2	22.8
13	26.4	25.1	25.4	24.6	24.8	22.2	23.8	17.5	24.5	23.5	24.3	23.5
14	26.1	25.1	25.3	24.6	25.3	22.1	24.5	18.3	24.6	23.7	24.2	23.3
15	26.2	25.1	25.3	24.4	25.2	22.8	24.4	20.4	25.9	23.7	25.1	23.3
16	26.0	25.0	25.4	24.0	25.1	23.2	24.2	20.0	25.4	22.8	24.9	23.8
17	25.9	25.0	25.4	24.3	24.5	23.4	24.2	20.8	24.6	22.7	24.8	23.9
18	25.9	25.0	25.4	24.3	24.6	23.6	24.2	21.5	25.0	22.4	24.0	23.1
19	25.7	25.0	25.3	24.2	24.1	21.4	24.1	22.2	24.8	21.8	24.1	22.3
20	25.7	25.2	25.0	24.1	24.3	22.1	23.7	22.7	24.7	22.5	24.6	22.2
21	25.6	25.2	24.9	23.8	24.0	20.4	23.9	22.5	24.7	23.0	24.0	21.5
22	25.8	25.0	25.0	22.5	23.2	19.1	24.0	22.8	24.9	23.4	24.7	21.6
23	25.6	25.0	24.8	23.3	24.5	20.5	24.0	22.7	24.9	23.1	24.6	22.0
24	25.6	24.7	24.8	22.1	24.5	23.0	24.0	19.4	25.4	23.0	24.7	22.3
25	25.8	25.0	24.8	22.1	24.4	20.1	24.2	19.2	25.4	23.4	24.7	22.3
26	25.8	24.6	24.7	22.8	24.5	19.5	24.1	22.4	25.8	23.9	24.8	21.6
27	25.7	24.7	24.9	22.6	24.3	19.2	24.1	20.9	25.6	24.1	25.2	21.7
28	25.5	24.0	25.1	22.7	22.7	19.2	24.4	19.9	25.8	24.1	25.0	22.9
29	25.7	24.4	24.7	23.0	22.8	18.7	24.1	21.2	---	---	24.2	21.5
30	26.1	24.5	25.0	23.3	23.9	18.5	24.0	21.0	---	---	24.0	20.0
31	26.4	24.4	---	---	24.0	22.8	24.5	22.8	---	---	24.7	23.4
MONTH	27.1	23.5	26.0	22.1	25.3	18.5	24.5	15.2	26.1	19.8	26.5	20.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.8	23.7	25.3	23.2	28.8	24.8	26.3	25.2	25.9	25.3	26.6	25.3
2	24.9	23.5	25.8	23.3	28.8	26.4	27.7	25.2	25.8	25.0	26.4	25.3
3	24.6	22.3	25.1	23.5	29.7	26.1	29.1	25.5	26.0	25.3	27.1	25.3
4	25.4	22.8	26.2	22.7	29.8	25.4	29.3	25.3	26.0	25.4	27.3	25.3
5	25.1	22.9	26.1	23.3	29.2	24.3	29.1	25.5	26.1	25.4	26.9	25.3
6	25.4	23.4	25.8	23.3	27.2	24.9	29.4	25.4	26.3	25.4	27.0	25.3
7	25.1	23.5	25.6	23.9	27.6	24.9	29.5	25.4	26.3	25.4	26.2	25.3
8	25.7	24.0	25.3	23.0	28.1	24.9	29.1	25.4	26.3	25.4	26.1	25.3
9	26.1	24.2	25.2	23.2	28.5	25.0	28.7	25.4	26.2	25.3	26.0	25.4
10	26.3	24.3	25.2	23.3	28.9	25.0	29.3	25.5	26.3	25.3	26.1	25.4
11	26.3	24.0	25.4	23.7	29.5	25.0	28.5	25.6	26.2	25.3	26.1	25.4
12	26.2	24.0	25.7	23.7	30.5	25.8	30.4	26.7	26.2	25.3	25.9	25.3
13	27.0	24.1	26.4	24.1	31.2	25.8	29.6	27.9	26.2	25.3	25.6	25.3
14	27.2	24.1	26.6	24.3	31.3	25.7	29.8	28.3	26.2	25.3	25.3	24.2
15	27.7	24.4	26.9	24.5	30.9	25.5	29.9	26.0	25.7	25.3	25.5	24.6
16	26.9	24.4	27.1	24.5	30.7	26.5	29.9	25.5	25.9	25.3	25.7	25.0
17	27.3	23.0	27.4	24.5	30.6	26.2	29.8	25.4	26.0	25.3	25.8	25.1
18	26.2	22.0	27.7	24.7	30.3	25.1	29.5	25.4	26.2	25.3	25.8	25.2
19	26.4	20.4	28.2	25.1	30.2	25.1	29.9	25.4	26.2	25.3	25.9	25.2
20	26.3	22.3	28.1	25.4	29.9	25.1	29.6	25.4	26.4	25.3	25.8	25.2
21	26.2	23.5	27.5	24.8	29.8	24.8	28.9	25.4	27.0	25.3	25.9	25.3
22	26.1	23.6	27.9	24.8	29.0	24.9	29.2	25.4	26.4	25.3	25.9	25.3
23	25.6	24.2	28.4	23.9	28.3	25.0	28.1	25.4	26.3	25.3	25.9	25.2
24	25.8	24.4	28.6	24.0	28.2	24.9	27.5	25.4	26.8	25.3	25.8	25.3
25	25.5	24.3	28.6	24.0	28.5	24.6	28.1	25.4	26.3	25.3	25.6	25.3
26	26.1	23.8	28.9	24.6	28.8	25.0	26.3	25.4	26.0	25.3	25.4	25.2
27	26.0	23.8	29.3	24.3	28.8	25.1	26.7	25.4	26.1	25.2	25.5	25.2
28	25.7	24.0	29.3	24.8	28.0	25.1	26.5	25.5	26.2	25.3	25.5	25.2
29	25.8	23.7	30.0	25.4	26.8	25.2	26.9	25.5	26.4	25.3	25.5	25.1
30	24.9	22.9	30.0	24.8	27.0	25.2	26.5	25.5	26.1	25.3	25.7	25.0
31	---	---	29.2	24.7	---	---	26.3	25.4	26.2	25.3	---	---
MONTH	27.7	20.4	30.0	22.7	31.3	24.3	30.4	25.2	27.0	25.0	27.3	24.2
YEAR	31.3	15.2										

HILLSBOROUGH RIVER BASIN

023060013 HILLSBOROUGH RIVER AT I-275 AT SULPHUR SPRINGS, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 28°01'12", long 82°27'18", in NE 1/4 sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, 1,300 feet downstream from bridge, 1,300 feet west of U.S. Highway 41 in Sulphur Springs, and 2.25 mi downstream from Hillsborough River Dam.
DRAINAGE AREA.--637 mi^2.
PERIOD OF RECORD.--October 1999 to current year.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located near the surface and 1.0 ft above the bottom.
REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 35,700 microsiemens, Jan. 4, 2001, bottom probe maximum, 40,300 microsiemens, May 18, 2001; top probe minimum, 238 microsiemens, Sept. 30, 2001; bottom probe minimum, 253 microsiemens, Sept. 27, 28, 2001.
TEMPERATURE.--Top probe maximum, 32.0°C, Aug. 6, 2000; bottom probe maximum, 30.9°C, Aug. 10, 11, 12, 2000; top probe minimum, 14.2°C, Jan. 5, 2001; bottom probe minimum, 16.0°C, Jan. 10, 2001.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 35,700 microsiemens, Jan. 4; bottom probe maximum, 40,300 microsiemens, May 18; top probe minimum, 238 microsiemens, Sept. 30; bottom probe minimum, 253 microsiemens, Sept. 27, 28.
TEMPERATURE.--Top probe maximum, 31.6°C, June 14, 15; bottom probe maximum, 30.6°C, June 19; top probe minimum, 14.2°C, Jan. 5; bottom probe minimum, 16.0°C, Jan. 10.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2940	940	31400	5970	27700	8790	32900	11200	21100	9410	22700	9020
2	3960	1100	33700	11100	29300	8970	31000	11700	24600	8480	23900	13100
3	4840	1800	35400	6120	30400	8600	34600	8790	27300	8860	22300	17300
4	11700	1850	29900	9040	34500	9630	35700	11100	30400	10200	20200	12800
5	13900	2060	33000	7980	34000	11000	35200	17300	30200	9110	19800	11500
6	13100	2700	34900	12000	35500	10900	35300	18000	30700	9240	27800	7800
7	12300	2270	27800	9270	35300	11600	35300	13200	29000	12600	27600	6720
8	9910	3860	30000	11400	34600	12400	35200	15300	28300	18400	28900	9240
9	10300	3890	28600	11600	33400	11700	32000	9210	27100	15200	29000	11500
10	12800	3850	24600	8800	32100	10300	26100	10100	27200	16800	26300	11800
11	16200	4090	25000	6740	29200	8860	29500	12200	25900	10500	23500	11600
12	23000	4680	24500	7260	29200	10000	29500	20700	25900	13200	21800	11800
13	20600	4470	24000	7200	27600	9460	28000	12300	25800	11700	21000	11500
14	22600	3490	25600	7430	28900	9270	28300	11200	22800	9160	22200	10900
15	19800	4200	23000	6040	27600	11200	26700	10300	23700	8580	20900	10200
16	20300	4550	25400	8440	27500	9370	28500	10100	19100	12300	18100	9760
17	23500	4600	27800	6980	24400	6490	27500	10500	23300	9980	21100	8010
18	25000	4480	23100	8890	25400	6850	27600	8770	27000	12300	27400	8580
19	30000	4490	27500	9770	26200	8350	21800	9290	31300	13700	24400	10500
20	18800	10200	20900	6010	26300	8000	16500	7630	31400	13300	23600	10900
21	18400	6540	16800	7260	29900	8350	21600	7700	29800	11900	23600	12800
22	21100	8190	24800	6800	29200	7620	24400	7480	28800	12500	21800	8230
23	21400	5060	26100	9630	30700	9110	25300	7980	27100	17000	24600	11700
24	19600	5280	29000	10300	30100	9970	30600	7960	26700	20800	25200	14900
25	25600	6480	29000	10300	32300	10000	30700	8570	27200	21300	25500	19700
26	28600	5260	17800	7880	32600	11700	30600	9270	26900	13100	26000	12800
27	28300	4820	18700	8650	33100	12700	26800	5070	24700	10400	25400	11100
28	31300	10300	23900	7920	33300	20400	23900	9910	22400	9800	26300	10400
29	28600	12000	25200	8280	27600	15000	23200	9380	---	---	23600	10800
30	28400	11500	26600	4660	31900	6610	21600	7760	---	---	14100	7750
31	29600	12000	---	---	26500	7620	16800	7260	---	---	12500	6760
MONTH	31300	940	35400	4660	35500	6490	35700	5070	31400	8480	29000	6720

023060013 HILLSBOROUGH RIVER AT I-275 AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	10100	5710	31000	9930	30800	10500	6480	4000	1860	663	6120	2100
2	23700	5350	31200	21400	26100	19800	8060	3910	2570	583	6300	2560
3	18400	6480	31100	22800	27900	22300	18200	6550	1180	613	6560	3400
4	20200	11200	31400	19500	28200	9340	23000	6030	1180	514	7020	3320
5	23000	12500	30900	23500	25800	8640	21900	6400	1050	534	5800	1690
6	24300	11700	30900	18800	17300	7310	23500	6310	716	535	4110	862
7	23700	16300	30800	7180	16100	6970	23700	6970	822	565	2530	362
8	23600	18000	30200	4410	16300	6400	19300	6990	738	545	1020	393
9	22600	11000	31600	16400	20000	6140	24200	7010	697	516	1100	393
10	21800	11000	33000	23500	20500	7110	23000	12100	666	496	614	393
11	23900	11600	34000	24000	22000	7480	20200	9970	837	447	1040	434
12	22300	14100	31300	23800	14400	10200	20500	12300	577	467	934	435
13	22200	12000	32500	24400	21100	11300	16900	12300	617	417	759	456
14	23900	12100	34100	21700	27700	12400	24800	10200	628	358	805	286
15	20100	14000	34100	14600	29600	16700	31500	12600	598	418	651	377
16	25200	11900	33500	11300	29300	18700	30300	10400	629	358	564	338
17	28400	15400	32800	14400	29200	21000	29600	10900	629	359	631	329
18	29200	15400	33200	16700	29700	10900	27800	9260	1170	389	998	329
19	31300	7700	33400	20900	30100	7890	26700	9260	1110	379	821	340
20	30800	13400	32400	25200	26800	11200	22800	9050	1000	360	501	291
21	30300	24400	31900	13600	26000	12800	20200	9410	1540	340	502	311
22	28800	22100	31300	13400	25300	11000	21200	9780	1080	411	524	293
23	27800	14100	31700	12800	25100	10800	18200	10200	1040	411	473	283
24	26900	10800	31900	7180	24000	11200	12600	7950	1030	362	454	314
25	25800	10300	31400	17500	24800	10500	10300	6260	1280	382	485	324
26	25600	7540	30200	22000	28400	8830	8820	2230	1720	352	475	325
27	26800	5770	29400	19100	21600	9670	2630	962	2740	734	506	276
28	28000	6240	29100	25000	21500	9320	1880	857	3700	1430	477	276
29	25800	6180	28100	24800	17800	7190	2240	890	3920	1680	468	267
30	28300	10800	28200	14200	14700	4960	2910	1080	7700	566	519	238
31	---	---	29300	9680	---	---	5360	722	6270	1340	---	---
MONTH	31300	5350	34100	4410	30800	4960	31500	722	7700	340	7020	238
YEAR	35700	238										

023060013 HILLSBOROUGH RIVER AT I-275 AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	12300	1830	32800	27700	32900	29200	36000	33300	30800	26300	28300	20100
2	18800	2370	34100	31700	34200	31000	36100	28500	32300	28200	31300	24700
3	22700	4120	35100	32100	36000	32400	37300	34200	33400	27500	32800	27400
4	27000	21500	36200	32800	38300	35400	37800	35200	33600	25600	29700	16000
5	31700	26900	36800	33400	38500	35700	37900	35700	33600	24000	31800	16600
6	35800	31700	37300	35000	38800	35500	38400	33100	33600	21600	33700	15000
7	35900	31300	37300	34100	38700	33900	38500	29200	33100	21800	33700	20700
8	34500	29600	36600	33600	37900	31500	37900	27900	31500	22500	33600	22700
9	33300	30100	35600	30000	36900	27300	36200	24200	29800	23800	32300	23100
10	33000	30300	33900	22400	35200	25900	32400	19900	28200	23800	29900	21600
11	32100	29200	32100	19900	33200	26000	31200	21700	27300	23000	28000	21300
12	31300	28800	30000	19400	31600	25200	30400	23200	27300	23100	25900	20400
13	30400	25300	28700	19300	30700	21900	31800	22500	28900	22800	24700	19000
14	29000	22600	28400	18800	31000	22200	31400	24300	29400	22500	25600	19000
15	27700	19200	28800	17900	31400	25300	31600	28400	31600	21400	26800	19300
16	26600	18000	30200	24800	31700	28100	33900	29900	32300	28600	25600	18600
17	27600	18600	31300	24200	31200	18500	34700	30700	33100	28600	28400	18000
18	31200	24000	33700	27600	31300	22500	35200	32100	35200	21400	32300	24700
19	33600	28200	34100	25600	31700	21300	35500	32300	35200	30300	32500	23000
20	34900	32200	31500	20500	31600	19400	34900	21600	35000	27600	32000	21500
21	34800	30700	30000	21600	32400	27900	34100	18500	34300	26800	29200	19600
22	34000	28100	29700	20600	32300	28100	34100	22900	33300	25000	29600	18800
23	32600	28000	29600	23700	33300	22900	33300	22500	32200	23800	30000	25600
24	31800	28300	31700	26500	33200	24700	33500	28800	30900	25900	29900	24700
25	31300	27600	31500	11300	34000	24800	33700	23700	29000	25400	28500	22900
26	30600	23300	26900	15900	34000	25200	33800	27400	27700	23600	27000	21700
27	30000	24500	27200	15300	34800	29700	32900	25500	26800	21800	27200	21000
28	29300	22400	27600	16600	35600	28300	29200	22900	27100	20000	27300	21400
29	28400	22900	29600	23100	35500	25400	29200	25300	---	---	26600	15700
30	29700	23100	31500	24600	36000	27400	29300	25000	---	---	19800	13200
31	30900	25800	---	---	35400	30500	29300	24700	---	---	23100	12400
MONTH	35900	1830	37300	11300	38800	18500	38500	18500	35200	20000	33700	12400

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25300	12400	32500	25300	36500	27200	9890	5640	9480	1060	21100	3380
2	30000	21200	32400	29300	34600	25400	16400	8800	3800	572	19100	3600
3	31400	26200	32900	28200	33300	25400	27200	16000	1340	783	16500	3970
4	31700	27300	33000	28300	31300	21600	31000	9190	1280	843	14100	3970
5	31600	26100	32400	28600	28300	11600	27900	12800	1300	663	9080	2390
6	29800	23700	30600	28200	21700	12500	27500	22600	995	633	10300	1750
7	27400	21400	30100	27700	21200	12400	27400	12800	1100	654	2820	980
8	24800	20900	31900	25100	23800	12700	27600	16800	1100	654	2020	510
9	23500	19700	33200	27300	27000	14400	27800	20400	1100	594	1990	757
10	24900	18300	34900	29400	29300	16400	28400	22000	856	565	1600	586
11	26600	18600	36300	31900	31400	22200	29600	24300	816	505	2100	961
12	27400	19200	37000	33000	32600	27800	30500	25000	876	585	2030	639
13	29000	19100	37100	33400	34800	28600	32000	26800	916	575	1680	543
14	30700	20500	37500	34300	36100	32000	33300	29200	1120	576	973	271
15	31700	27100	38100	35100	36600	33400	35000	32100	1050	536	715	321
16	33400	28300	38900	36000	36600	32600	34600	30800	1060	536	544	311
17	35400	31500	39600	36200	35600	28200	33400	21300	1120	447	544	352
18	35800	21600	40300	36800	33500	26400	31500	19600	1860	487	1890	442
19	35900	33200	39900	32900	31300	24200	29200	18400	2100	627	1680	372
20	35000	30800	38400	29300	28700	21900	26900	17600	1880	587	502	362
21	32600	28300	36200	29600	28700	19800	23900	16100	2070	628	492	342
22	30300	27400	34200	28200	27400	19000	23300	15000	1690	739	452	322
23	29200	26600	33900	26400	26600	18800	22000	13700	1930	993	442	332
24	29000	24200	34000	27300	27000	19000	17800	11500	1900	1160	423	333
25	28800	22300	34500	28000	27100	19000	14400	9020	1970	1230	423	323
26	28200	22000	33500	28000	29900	19600	10300	2530	2300	1230	463	343
27	29200	22000	33000	27900	28700	20100	3410	1250	25600	2080	433	253
28	29500	22200	33300	28100	27700	18900	2080	1490	28600	2860	443	253
29	31700	22200	33800	28300	27200	12100	5400	1570	29100	3440	413	273
30	32600	23300	35000	27800	24400	7060	19900	2090	26400	1420	474	273
31	---	---	36000	30800	---	---	25700	1260	21100	2470	---	---
MONTH	35900	12400	40300	25100	36600	7060	35000	1250	29100	447	21100	253
YEAR	40300	253										

023060013 HILLSBOROUGH RIVER AT I-275 AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(NEAR SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.9	25.9	25.8	24.0	23.4	19.9	20.4	17.1	22.3	20.6	26.0	23.8
2	28.2	25.6	25.5	23.5	23.7	20.2	20.9	18.7	21.2	19.8	26.4	24.2
3	27.4	25.6	25.6	23.0	23.0	20.8	21.7	18.2	21.3	17.5	26.1	24.6
4	27.7	25.8	25.8	24.2	22.6	20.7	20.0	16.6	21.4	18.7	25.4	23.1
5	28.9	25.7	25.6	24.4	22.5	20.1	18.7	14.2	22.1	18.7	24.3	20.9
6	28.4	25.4	26.0	24.3	22.2	19.1	19.9	15.1	22.2	18.5	23.9	20.9
7	27.9	25.9	25.9	24.3	21.8	19.1	19.8	16.4	20.9	18.8	23.9	21.0
8	27.1	24.8	26.0	24.4	22.0	20.0	19.7	17.1	21.4	19.3	23.7	21.1
9	26.4	22.9	26.0	24.4	22.7	20.8	21.2	17.5	22.2	19.7	23.3	21.2
10	26.2	23.2	25.8	24.8	23.0	21.2	20.8	17.5	22.9	20.6	23.5	22.1
11	26.6	22.6	25.8	22.9	23.3	21.9	19.9	17.1	24.2	21.5	24.0	22.0
12	27.1	23.2	25.4	23.1	23.9	21.8	19.2	17.2	24.5	22.2	24.5	22.2
13	26.4	23.8	25.2	23.1	24.0	22.1	20.5	17.0	24.4	22.4	23.8	23.4
14	26.1	23.6	25.2	23.9	25.0	22.1	22.0	17.1	25.3	22.7	23.8	22.8
15	26.4	24.4	24.8	22.5	24.7	22.6	22.0	18.3	25.1	22.9	24.9	23.3
16	26.4	24.0	24.6	22.0	25.2	22.9	22.3	18.7	25.3	22.4	24.9	23.6
17	26.2	23.7	25.2	23.6	24.2	21.3	22.3	19.1	24.6	22.5	24.9	23.1
18	26.4	23.9	25.1	23.4	23.5	21.3	23.3	19.3	24.0	21.1	23.7	21.7
19	26.0	24.2	24.9	24.0	22.9	20.3	22.6	20.6	23.1	20.7	23.1	21.9
20	26.4	24.9	24.6	22.1	23.2	20.0	22.5	20.1	23.9	22.1	23.3	21.6
21	25.8	24.6	24.2	20.8	22.6	18.5	22.2	18.1	24.2	22.6	22.9	20.9
22	25.8	24.6	23.8	19.4	22.1	18.1	21.9	18.6	24.3	22.7	23.1	19.8
23	25.8	24.0	24.1	20.2	22.3	18.0	21.7	18.6	24.5	23.0	23.5	20.6
24	26.0	23.8	23.5	20.9	22.5	18.7	21.6	17.9	24.4	22.7	23.9	21.2
25	25.8	23.7	23.4	21.8	22.2	19.1	21.8	17.9	25.2	23.3	23.9	22.0
26	25.9	24.3	23.2	22.1	22.5	18.5	21.5	18.2	26.1	23.9	23.6	20.3
27	25.7	24.2	23.0	21.5	21.5	18.6	21.3	18.5	26.4	23.7	23.7	21.2
28	25.7	24.0	23.2	20.9	19.8	19.0	21.9	18.7	26.3	24.0	23.6	21.0
29	25.9	24.3	22.7	20.9	19.4	18.4	22.1	19.2	---	---	22.9	20.5
30	26.1	24.3	23.3	20.2	21.0	17.4	22.5	20.0	---	---	23.0	19.9
31	26.2	24.0	---	---	20.9	18.1	23.0	20.6	---	---	23.7	22.2
MONTH	28.9	22.6	26.0	19.4	25.2	17.4	23.3	14.2	26.4	17.5	26.4	19.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24.8	22.0	25.6	22.8	29.4	27.0	27.4	25.5	29.4	27.3	29.1	26.4
2	24.6	21.5	25.8	22.8	29.2	27.0	28.2	25.7	28.4	26.7	29.2	26.5
3	24.4	21.7	24.7	23.3	30.2	28.0	29.5	27.2	28.2	26.6	29.2	26.6
4	25.3	22.0	25.4	23.0	30.0	26.5	29.6	27.1	28.3	27.3	29.0	26.6
5	24.9	22.8	25.8	23.2	29.6	25.4	29.3	27.2	28.6	27.2	29.3	27.1
6	25.0	22.9	25.6	23.7	27.6	25.8	30.0	26.9	28.9	27.7	29.5	26.8
7	25.0	23.5	26.0	23.7	28.3	25.8	29.8	26.7	28.7	27.4	29.9	27.0
8	25.7	24.0	25.5	22.3	28.6	26.0	29.4	26.9	29.1	27.4	29.6	28.2
9	26.0	24.4	25.4	23.4	29.0	26.3	29.3	27.1	28.8	27.7	29.3	28.1
10	26.4	24.3	25.4	23.7	29.3	26.5	29.4	28.0	28.9	27.4	29.1	28.4
11	26.3	24.6	25.6	23.5	29.7	26.8	28.7	27.6	29.1	27.5	29.2	28.1
12	26.4	25.1	26.1	24.1	30.6	28.0	30.6	28.1	29.2	27.6	28.7	27.7
13	26.9	25.2	26.5	24.6	31.4	28.6	29.8	28.9	29.0	27.8	27.8	26.7
14	27.2	25.4	26.6	25.4	31.6	28.7	30.3	28.7	29.1	27.7	26.7	23.8
15	28.5	25.7	27.0	24.9	31.6	28.4	30.3	28.3	28.6	27.5	24.3	23.8
16	27.5	25.1	27.7	25.3	31.4	28.6	30.2	27.7	28.9	28.1	24.6	23.6
17	27.5	24.6	28.0	25.7	31.0	29.0	30.0	26.5	29.4	27.9	25.2	24.1
18	26.7	22.0	28.4	26.0	31.0	26.7	30.0	27.2	29.3	28.2	25.6	24.4
19	26.8	19.7	28.4	25.7	31.0	27.2	30.3	27.3	29.3	28.1	26.2	24.4
20	26.4	22.4	28.3	26.2	30.8	27.1	29.8	27.2	29.2	28.2	26.1	25.2
21	26.3	24.0	28.4	25.8	30.0	27.4	29.3	27.0	29.1	27.8	26.1	25.2
22	26.1	24.3	28.5	26.1	29.5	26.1	29.4	27.0	29.7	27.7	26.8	25.5
23	26.3	24.6	28.6	25.2	28.9	26.2	28.8	26.9	29.9	27.9	27.1	25.5
24	26.0	24.4	29.0	25.0	28.4	26.3	28.3	26.2	29.9	27.8	27.0	26.1
25	25.6	24.6	28.8	26.4	28.8	26.2	29.0	26.5	29.5	27.5	26.5	26.1
26	26.3	22.7	29.3	27.0	29.1	25.6	28.6	26.4	29.2	27.5	26.1	25.5
27	26.0	21.2	29.5	27.0	29.8	26.1	29.5	26.8	29.0	26.5	25.6	25.1
28	25.7	22.2	29.4	27.2	29.4	26.6	30.1	27.0	29.6	26.3	25.3	24.9
29	25.8	23.3	30.2	27.2	28.2	26.1	31.0	27.1	30.0	26.4	24.9	24.1
30	24.9	22.8	30.0	26.5	28.4	25.8	30.9	27.1	29.4	26.5	24.6	23.8
31	---	---	29.7	25.9	---	---	30.2	26.3	28.9	26.8	---	---
MONTH	28.5	19.7	30.2	22.3	31.6	25.4	31.0	25.5	30.0	26.3	29.9	23.6
YEAR	31.6	14.2										

023060013 HILLSBOROUGH RIVER AT I-275 AT SULPHUR SPRINGS, FL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.7	26.2	25.5	25.1	21.9	21.5	19.0	18.7	19.5	18.6	25.3	25.0
2	28.0	26.3	25.7	25.4	21.9	21.6	19.0	18.0	19.2	18.6	25.2	25.0
3	28.2	27.1	25.8	25.6	21.9	21.5	19.0	18.3	19.3	18.6	25.3	25.0
4	28.3	27.9	25.8	25.7	21.7	21.3	18.9	18.1	18.8	18.5	25.3	23.5
5	28.4	28.3	25.9	25.8	21.6	21.3	18.5	17.5	19.1	18.4	24.7	22.7
6	28.5	28.4	25.9	25.7	21.6	21.4	18.1	17.1	19.3	18.0	24.6	21.3
7	28.5	28.2	26.0	25.7	21.6	21.2	17.8	16.6	19.6	18.3	24.5	22.2
8	28.4	28.1	25.9	25.8	21.6	20.8	17.7	17.0	20.2	19.1	24.2	22.8
9	28.4	27.9	25.9	25.7	21.6	20.9	18.0	17.0	20.8	19.5	23.6	21.9
10	28.3	27.8	25.9	25.1	21.8	21.2	17.8	16.0	21.7	20.4	23.0	22.1
11	28.2	27.6	25.9	24.4	22.0	21.6	18.0	16.8	22.5	21.2	23.1	22.2
12	27.7	27.2	25.8	23.8	22.3	21.6	18.4	16.9	22.8	22.0	23.5	22.5
13	27.2	26.4	25.6	23.7	22.5	21.7	17.5	16.7	23.0	22.3	23.4	22.9
14	26.5	25.8	25.3	24.0	22.7	21.7	17.9	16.7	23.2	22.5	23.3	23.0
15	26.1	25.0	24.9	23.2	22.7	21.9	17.9	17.0	23.5	22.7	24.0	23.1
16	25.8	24.9	24.7	24.2	22.8	22.2	18.0	17.0	23.3	22.7	24.1	23.6
17	25.6	24.9	24.6	24.3	23.5	22.4	18.1	17.2	23.4	22.9	24.0	23.6
18	25.6	25.3	24.5	24.3	23.2	22.8	17.9	17.3	23.1	22.7	23.8	23.5
19	25.5	25.3	24.5	24.2	23.0	21.1	18.5	17.5	23.0	22.4	23.6	22.8
20	25.7	25.3	24.6	23.6	22.8	19.8	19.9	17.8	22.7	22.2	23.4	22.9
21	25.6	25.4	24.6	23.3	22.7	22.1	18.9	18.2	23.1	22.4	23.1	22.0
22	25.9	25.6	24.6	22.1	22.2	21.0	18.6	18.0	23.1	22.6	22.9	21.2
23	25.9	25.7	24.4	22.6	21.3	17.9	18.6	17.9	23.6	22.7	22.8	22.5
24	26.0	25.7	23.6	21.7	20.1	18.5	18.6	18.2	23.8	22.9	23.1	22.4
25	26.0	25.7	22.8	21.7	19.9	18.2	18.7	18.0	24.4	23.3	23.2	22.3
26	25.9	25.1	22.5	21.8	19.6	18.3	18.7	18.1	24.9	23.9	23.1	22.6
27	25.6	25.2	22.3	21.2	19.4	18.7	18.9	18.3	25.0	24.5	23.2	22.0
28	25.4	24.4	22.1	21.1	19.2	18.6	19.6	18.5	25.2	24.8	23.3	22.6
29	25.3	24.5	22.1	21.6	19.1	18.5	19.3	18.7	---	---	23.1	21.2
30	25.2	24.7	21.8	21.5	18.8	18.0	19.6	18.6	---	---	21.7	20.9
31	25.4	24.9	---	---	18.8	18.2	19.6	18.7	---	---	22.3	21.7
MONTH	28.5	24.4	26.0	21.1	23.5	17.9	19.9	16.0	25.2	18.0	25.3	20.9

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.4	22.0	24.4	24.0	28.9	28.5	27.2	26.1	28.9	27.0	29.0	26.7
2	22.4	21.8	24.3	23.9	28.7	28.2	27.9	26.9	28.5	26.5	28.8	27.2
3	22.5	22.0	24.4	23.9	29.1	28.5	28.8	27.9	28.0	26.5	28.6	27.2
4	22.8	22.1	24.6	23.6	29.6	28.3	29.3	27.9	27.8	26.6	28.7	27.1
5	23.1	22.4	25.2	23.8	29.3	26.4	29.2	28.1	28.2	26.6	28.5	27.0
6	24.2	22.9	25.2	24.2	28.1	26.6	29.4	29.0	28.6	27.4	28.3	26.4
7	24.6	23.6	25.3	24.3	28.0	27.1	29.6	28.5	28.4	27.3	29.0	26.5
8	25.2	24.1	25.2	24.8	28.3	27.6	29.6	28.9	28.5	27.1	28.9	27.1
9	25.5	24.7	25.0	24.7	28.6	28.1	29.6	29.1	28.6	27.4	28.9	27.1
10	25.8	25.1	25.0	24.7	29.0	28.4	29.7	29.2	28.6	27.3	28.7	27.7
11	26.0	25.5	24.9	24.7	29.1	28.6	29.7	29.1	28.8	27.4	28.7	27.2
12	26.1	25.7	25.3	24.7	29.2	28.9	29.7	29.4	28.9	27.3	28.5	27.1
13	26.3	25.8	25.1	24.7	29.4	29.0	29.8	29.5	28.8	27.5	27.5	26.6
14	26.2	25.8	25.4	24.8	29.7	29.3	29.8	29.6	28.9	27.1	26.6	23.8
15	26.3	25.8	25.2	24.8	29.9	29.6	29.7	29.7	28.5	27.1	24.3	23.8
16	26.4	26.0	25.5	25.0	30.1	29.8	29.9	29.6	28.7	27.5	24.5	23.5
17	26.5	26.1	25.8	25.1	30.3	30.0	29.9	29.3	29.3	27.4	25.2	24.1
18	26.5	25.1	26.0	25.4	30.5	30.1	29.8	29.4	29.0	27.4	25.5	24.4
19	26.4	26.1	26.6	25.7	30.6	29.7	30.0	29.5	28.7	27.2	26.1	24.4
20	26.1	25.7	27.2	26.2	30.1	29.3	29.9	29.2	28.6	27.2	26.1	25.2
21	26.0	24.9	27.5	26.9	30.1	29.3	29.6	28.6	28.3	27.1	26.0	25.1
22	25.7	24.7	27.8	27.3	29.7	28.2	29.5	28.4	28.7	27.0	26.8	25.5
23	25.5	24.8	28.2	27.7	29.1	27.5	29.2	27.6	28.6	27.1	27.0	25.5
24	25.6	25.2	28.5	27.8	28.7	27.6	28.2	27.1	28.6	26.9	27.0	26.1
25	25.5	25.3	28.5	27.8	28.4	27.6	28.3	27.4	28.7	26.9	26.5	26.0
26	25.7	24.9	28.5	27.9	28.5	28.0	28.3	27.1	28.1	26.6	26.0	25.5
27	25.6	24.9	28.4	27.7	28.6	28.3	28.0	26.3	29.1	26.7	25.6	25.1
28	25.4	24.9	28.3	27.9	28.7	28.4	28.5	26.5	29.4	27.5	25.3	24.9
29	25.1	24.6	28.6	28.0	28.7	27.4	29.2	26.7	29.4	27.0	24.9	24.1
30	24.8	24.3	28.8	28.3	28.5	26.3	29.1	26.9	29.3	27.6	24.6	23.8
31	---	---	28.8	28.5	---	---	29.4	27.5	29.0	27.1	---	---
MONTH	26.5	21.8	28.8	23.6	30.6	26.3	30.0	26.1	29.4	26.5	29.0	23.5
YEAR	30.6	16.0										

HILLSBOSROUGH RIVER BASIN

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL

LOCATION.--Lat 27°56'30", long 82°27'32", in SE $\frac{1}{4}$ sec.25, T.29 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, near center of span on upstream side of bridge at Platt Street near mouth, and 0.6 mi south of downtown post office at Tampa.
DRAINAGE AREA.--694 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--January to August 1997 (gage heights only), incomplete; February to September 2001 (gage heights only). Records prior to 1997 are available in files of the U.S. Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929.
REMARKS.--Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.63 ft, July 23, 2001; minimum, 7.65 ft, Apr. 26, 27, 2001.
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 14.63 ft, July 23; minimum, 7.65 ft, Apr. 26, 27.

GAGE HEIGHT, FEET, PERIOD FEBRUARY TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	11.66	9.17
2	---	---	---	---	---	---	---	---	---	---	11.82	9.41
3	---	---	---	---	---	---	---	---	---	---	12.36	9.41
4	---	---	---	---	---	---	---	---	---	---	12.19	9.71
5	---	---	---	---	---	---	---	---	---	---	11.32	8.56
6	---	---	---	---	---	---	---	---	---	---	11.29	8.08
7	---	---	---	---	---	---	---	---	---	---	11.36	7.93
8	---	---	---	---	---	---	---	---	---	---	11.60	8.21
9	---	---	---	---	---	---	---	---	---	---	11.90	8.92
10	---	---	---	---	---	---	---	---	---	---	12.49	9.34
11	---	---	---	---	---	---	---	---	---	---	11.58	9.17
12	---	---	---	---	---	---	---	---	---	---	11.91	9.49
13	---	---	---	---	---	---	---	---	---	---	12.32	9.30
14	---	---	---	---	---	---	---	---	---	---	11.49	9.28
15	---	---	---	---	---	---	---	---	---	---	12.35	9.41
16	---	---	---	---	---	---	---	---	---	---	11.84	9.71
17	---	---	---	---	---	---	---	---	11.28	8.85	10.96	9.24
18	---	---	---	---	---	---	---	---	10.46	8.02	11.00	8.39
19	---	---	---	---	---	---	---	---	11.73	7.86	11.54	8.59
20	---	---	---	---	---	---	---	---	11.66	8.79	11.70	10.16
21	---	---	---	---	---	---	---	---	11.60	8.81	11.70	9.46
22	---	---	---	---	---	---	---	---	11.76	8.94	11.07	8.64
23	---	---	---	---	---	---	---	---	11.83	9.00	11.02	8.72
24	---	---	---	---	---	---	---	---	11.25	8.92	11.16	9.01
25	---	---	---	---	---	---	---	---	11.58	9.28	11.44	9.19
26	---	---	---	---	---	---	---	---	11.53	9.18	11.36	8.76
27	---	---	---	---	---	---	---	---	11.17	9.12	11.02	8.42
28	---	---	---	---	---	---	---	---	11.40	9.18	11.63	8.78
29	---	---	---	---	---	---	---	---	---	---	12.48	9.14
30	---	---	---	---	---	---	---	---	---	---	12.36	9.27
31	---	---	---	---	---	---	---	---	---	---	11.76	9.42
MONTH	---	---	---	---	---	---	---	---	11.83	7.86	12.49	7.93

HILLSBOSROUGH RIVER BASIN

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

GAGE HEIGHT, FEET, PERIOD FEBRUARY TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	11.24	9.03	11.31	8.12	11.86	9.45	11.76	9.47	11.94	8.71	12.32	9.50
2	11.27	8.61	11.21	8.91	12.09	9.36	11.93	9.16	11.96	8.89	12.33	9.58
3	11.75	8.68	11.23	9.07	11.90	9.06	12.04	9.09	12.81	9.60	12.28	9.74
4	11.84	8.95	11.04	8.88	12.02	8.64	12.31	8.86	12.88	9.60	12.20	9.60
5	11.85	8.92	11.33	9.03	12.02	8.82	12.51	9.06	12.68	9.65	12.15	9.84
6	11.71	9.10	11.66	8.87	12.11	8.75	12.19	8.99	12.16	9.30	11.82	9.67
7	11.60	9.16	11.90	8.63	12.14	8.79	12.15	9.06	11.79	9.34	11.86	9.86
8	11.67	9.08	11.65	8.62	11.93	8.78	12.10	9.20	11.68	9.48	12.05	9.87
9	11.77	8.91	12.04	8.84	11.93	8.83	11.88	9.33	11.61	9.54	12.04	9.82
10	11.73	8.83	12.32	9.04	11.98	8.88	11.99	9.45	11.46	9.79	12.04	9.43
11	12.33	9.21	12.09	9.06	12.07	9.04	11.59	9.54	11.52	9.59	11.70	9.24
12	12.09	9.23	11.94	9.05	11.58	9.68	11.68	9.95	11.60	9.44	12.22	9.37
13	11.97	9.22	11.81	9.12	11.24	9.66	11.68	10.20	11.56	9.33	11.98	9.25
14	11.81	9.17	11.40	9.19	11.19	9.46	11.61	9.77	11.96	9.26	11.60	8.71
15	11.56	9.36	11.30	9.18	11.18	9.44	11.62	9.29	12.34	9.26	12.05	8.90
16	11.05	9.40	11.39	9.63	11.34	9.26	11.67	9.35	12.56	9.08	12.27	9.26
17	10.96	9.06	11.33	9.62	11.36	8.98	12.23	9.20	12.48	8.84	12.48	9.47
18	10.25	7.98	11.40	9.67	11.58	8.80	12.39	8.84	12.66	9.04	12.62	9.59
19	10.83	8.68	11.54	9.37	11.81	8.38	12.56	8.68	13.06	9.28	12.42	9.70
20	11.37	8.91	11.85	9.27	11.93	8.39	12.47	8.69	12.64	9.34	12.46	9.74
21	11.51	9.15	12.21	9.27	12.23	8.33	12.97	9.14	12.29	9.49	12.79	9.85
22	11.26	8.87	12.35	9.10	12.20	8.64	13.21	9.54	11.99	9.74	12.45	9.72
23	11.74	8.97	12.52	8.84	12.33	8.68	14.63	10.16	11.78	9.79	12.19	9.71
24	11.88	8.83	12.21	8.62	12.06	8.55	12.49	9.77	11.71	9.69	12.24	10.08
25	11.85	8.63	12.67	8.78	11.85	8.55	12.28	9.73	11.77	9.44	12.37	9.64
26	11.24	7.65	12.40	8.77	11.94	8.70	11.56	9.64	11.62	9.39	11.43	9.28
27	11.41	7.65	12.28	8.76	11.13	8.91	11.43	9.56	11.64	9.37	11.82	9.53
28	11.96	8.28	12.09	8.97	11.10	8.99	11.31	9.15	11.70	9.09	12.13	9.79
29	11.27	8.57	11.81	9.25	11.42	9.56	11.36	8.99	11.88	9.13	11.97	9.13
30	10.98	8.33	11.19	9.30	11.62	9.51	11.53	8.91	12.00	9.36	11.39	9.40
31	---	---	11.41	9.27	---	---	11.55	8.63	12.25	9.51	---	---
MONTH	12.33	7.65	12.67	8.12	12.33	8.33	14.63	8.63	13.06	8.71	12.79	8.71
YEAR	14.63	7.65										

HILLSBOROUGH RIVER BASIN

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

PERIOD OF RECORD.--January to August 1997 (top and bottom probes); February to September 2001 (top, middle, and bottom probes). Records prior to 1997 are available in files of the U.S. Geological Survey.
INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located near the surface, near the middle, and near the bottom.
REMARKS.--Records good.Interruptions in record were due to malfunctions of the instruments.
EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 49,800 microsiemens, May 28, 2001; middle probe maximum, 49,600 microsiemens, Mar. 9, 2001; bottom probe maximum, 50,600 microsiemens, June 22, 2001; top probe minimum, 435 microsiemens, Sept. 14, 2001; middle probe minimum, 326 microsiemens, Sept. 14, 2001; bottom probe minimum, 391 microsiemens, Sept. 14, 2001.
TEMPERATURE.--Top probe maximum, 34.1°C, June 27, 1997; middle probe maximum, 32.3°C, June 15, 2001; bottom probe maximum, 32.6°C, July 27, 1997; top probe minimum, 15.0°C, Jan. 26, 1997; middle probe minimum, 19.3°C, Mar. 9, 28, 2001; bottom probe minimum, 17.1°C, Jan. 20, 1997.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE.--Top probe maximum, 49,800 microsiemens, May 28; middle probe maximum, 49,600 microsiemens, Mar. 9; bottom probe maximum, 50,600 microsiemens, June 22; top probe minimum, 435 microsiemens, Sept. 14; middle probe minimum, 326 microsiemens, Sept. 14; bottom probe minimum, 391 microsiemens, Sept. 14.
TEMPERATURE.--Top probe maximum, 32.6°C, June 14; middle probe maximum, 32.3°C, June 15; bottom probe maximum, 32.0°C, June 15; top probe minimum, 19.3°C, Mar. 22; middle probe minimum, 19.3°C, Mar. 9, 28; bottom probe minimum, 19.4°C, Mar. 8, 9.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	48800	42400
2	---	---	---	---	---	---	---	---	---	---	48700	41700
3	---	---	---	---	---	---	---	---	---	---	48800	41300
4	---	---	---	---	---	---	---	---	---	---	48700	36400
5	---	---	---	---	---	---	---	---	---	---	48500	30500
6	---	---	---	---	---	---	---	---	---	---	49100	33400
7	---	---	---	---	---	---	---	---	---	---	49500	18000
8	---	---	---	---	---	---	---	---	---	---	49700	39000
9	---	---	---	---	---	---	---	---	---	---	49700	43300
10	---	---	---	---	---	---	---	---	---	---	49100	44100
11	---	---	---	---	---	---	---	---	---	---	49200	43200
12	---	---	---	---	---	---	---	---	---	---	48600	43700
13	---	---	---	---	---	---	---	---	---	---	48300	42700
14	---	---	---	---	---	---	---	---	---	---	47500	39900
15	---	---	---	---	---	---	---	---	---	---	47400	39300
16	---	---	---	---	---	---	---	---	---	---	47300	41400
17	---	---	---	---	---	---	---	---	47200	38500	46200	37600
18	---	---	---	---	---	---	---	---	47500	35400	47000	31700
19	---	---	---	---	---	---	---	---	47700	38100	47300	35600
20	---	---	---	---	---	---	---	---	48300	41000	46800	33000
21	---	---	---	---	---	---	---	---	48200	39800	47800	36800
22	---	---	---	---	---	---	---	---	48200	41300	48000	35900
23	---	---	---	---	---	---	---	---	48400	42000	48200	38600
24	---	---	---	---	---	---	---	---	48400	41200	48300	41600
25	---	---	---	---	---	---	---	---	48100	42700	48400	43700
26	---	---	---	---	---	---	---	---	48400	42600	48400	42500
27	---	---	---	---	---	---	---	---	48400	42600	48900	42400
28	---	---	---	---	---	---	---	---	48700	42900	48900	43600
29	---	---	---	---	---	---	---	---	---	---	48500	30300
30	---	---	---	---	---	---	---	---	---	---	44200	30100
31	---	---	---	---	---	---	---	---	---	---	46500	27900
MONTH	---	---	---	---	---	---	---	---	48700	35400	49700	18000

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	47000	24600	47500	36400	47400	44800	46800	27900	41300	20300	40800	27700
2	47600	27700	47400	39300	48000	45400	47500	26400	40400	15100	39400	27500
3	46300	29000	47600	40600	49200	45200	47400	31000	41200	10300	39700	26200
4	46100	34900	47600	41700	47900	43300	47500	33400	39100	9680	40600	27600
5	46300	37900	47800	43800	47900	41400	47100	35300	37600	9360	40700	28000
6	46400	38800	47800	43100	47700	28300	47000	34100	36500	7820	41000	25200
7	46000	39600	47200	41500	47300	31200	47500	34600	37900	7080	40900	20400
8	46100	40400	48700	42100	46800	33200	48100	35200	40100	7080	40100	11400
9	45800	38600	48600	40800	48000	33500	48400	35500	40700	7070	38700	10500
10	45800	38000	48600	41200	47600	36300	48400	36500	40300	7390	37500	7470
11	45700	39000	48500	40800	47200	37500	47800	31500	39100	7260	38300	7370
12	45600	37900	48500	40400	47400	41100	46800	32200	39000	6720	38400	8960
13	45500	37100	48100	41200	47900	37700	45600	34200	38900	7000	38500	7740
14	45400	36300	48200	41600	47800	37300	45700	33100	39400	7550	38300	435
15	45800	36300	47500	41700	48200	39300	46300	34800	38100	10100	38800	1520
16	46100	37500	47900	43200	49400	42100	47000	37200	37200	8850	36200	2140
17	46200	35300	47700	43300	49600	43100	45300	35600	39200	9630	36300	2480
18	46800	36200	48000	43200	49600	43600	44900	34900	38800	8570	34500	4030
19	46800	40900	48000	43700	49600	41100	44600	34500	37500	9340	31400	5550
20	46700	42000	48000	44800	49500	40800	45100	35400	37400	9740	33900	2440
21	46300	43100	47900	44500	49100	38500	45400	35200	38600	12400	33000	2520
22	46600	42800	47800	43900	48600	33600	43400	36500	38800	12400	32500	1810
23	46800	42200	47600	42700	47300	34700	42000	32200	38500	12700	12800	1520
24	47200	41800	47600	41400	48700	35300	39800	29300	39000	12700	7670	1650
25	47100	40100	48300	43500	48900	35800	40800	29200	40100	11900	8080	1210
26	47200	38900	49100	43500	49000	38300	41300	26500	40400	12500	8610	2180
27	47700	39200	49700	44300	49100	38900	41100	23100	41000	15400	7450	1380
28	47800	38200	49800	45600	49100	32600	41800	19600	40900	18700	7790	1160
29	47600	37900	49100	45600	48300	29400	41600	21300	41200	22000	7970	1050
30	47200	36500	48300	44800	48100	34600	43600	21100	41500	24400	9240	2340
31	---	---	47300	42600	---	---	43500	23900	41000	27400	---	---
MONTH	47800	24600	49800	36400	49600	28300	48400	19600	41500	6720	41000	435
YEAR	49800	435										

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE MIDDLE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	48900	43300
2	---	---	---	---	---	---	---	---	---	---	48700	43600
3	---	---	---	---	---	---	---	---	---	---	48800	43500
4	---	---	---	---	---	---	---	---	---	---	48900	44700
5	---	---	---	---	---	---	---	---	---	---	48700	36000
6	---	---	---	---	---	---	---	---	---	---	48900	35700
7	---	---	---	---	---	---	---	---	---	---	49300	37700
8	---	---	---	---	---	---	---	---	---	---	49500	40100
9	---	---	---	---	---	---	---	---	---	---	49600	43700
10	---	---	---	---	---	---	---	---	---	---	49300	44700
11	---	---	---	---	---	---	---	---	---	---	49200	43900
12	---	---	---	---	---	---	---	---	---	---	48900	44900
13	---	---	---	---	---	---	---	---	---	---	48600	43700
14	---	---	---	---	---	---	---	---	---	---	48200	43500
15	---	---	---	---	---	---	---	---	---	---	48300	44200
16	---	---	---	---	---	---	---	---	---	---	48400	42800
17	---	---	---	---	---	---	---	---	47400	42100	48000	42000
18	---	---	---	---	---	---	---	---	47700	38200	48500	40500
19	---	---	---	---	---	---	---	---	48000	39400	49000	39900
20	---	---	---	---	---	---	---	---	48500	41700	49300	46000
21	---	---	---	---	---	---	---	---	48400	41100	49400	40400
22	---	---	---	---	---	---	---	---	48400	42000	48400	38100
23	---	---	---	---	---	---	---	---	48400	42900	48500	41200
24	---	---	---	---	---	---	---	---	48400	42400	48500	43500
25	---	---	---	---	---	---	---	---	48100	43800	48600	44600
26	---	---	---	---	---	---	---	---	49400	43500	48400	42900
27	---	---	---	---	---	---	---	---	48500	43800	48900	42900
28	---	---	---	---	---	---	---	---	48800	40000	48800	44900
29	---	---	---	---	---	---	---	---	---	---	48200	30700
30	---	---	---	---	---	---	---	---	---	---	45500	32600
31	---	---	---	---	---	---	---	---	---	---	46100	39700
MONTH	---	---	---	---	---	---	---	---	49400	38200	49600	30700

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	47200	43400	48000	38100	48100	43500	48600	39100	44500	27300	40900	28600
2	47100	41800	48300	41800	48700	44100	48900	40200	43700	17000	40900	28100
3	46100	42900	48600	40000	49000	43200	48900	36300	43600	30500	40800	28300
4	45700	36600	48800	41900	49100	43200	48000	33700	40400	13800	41000	28600
5	45700	38100	49300	43700	49500	41300	46800	36500	39400	15500	40600	30900
6	45700	38900	49300	37700	49300	28300	47500	36800	39600	10700	41000	27000
7	45700	39800	49100	41000	47400	34200	47600	36500	40700	12600	41900	30200
8	45400	40600	49100	42800	47300	37200	47900	38300	42400	27000	41500	30600
9	45600	39700	48900	42000	47500	38400	48200	40100	42200	25000	40700	35800
10	46800	40000	49000	42300	47400	39000	48400	39800	41800	24400	38500	15400
11	46300	40100	49100	41700	46600	41700	48100	40600	40800	33000	38600	28700
12	46000	39400	48900	43200	46400	41200	46200	42900	40200	28700	39800	17900
13	46100	39000	48900	43800	46500	44300	45300	41100	39900	25400	40500	29800
14	45900	39700	49500	43600	46400	43600	46700	43400	41200	29800	41100	326
15	46000	40700	48700	43900	46500	42500	47500	38900	40500	11900	40600	1580
16	46400	40600	49000	45200	46500	41400	47800	39700	39600	9920	38800	3810
17	46400	43400	48800	45300	46500	41100	46900	38100	40900	12100	38000	3650
18	46900	37100	48700	46100	46400	41300	46800	37200	40700	11200	36900	7620
19	47100	42100	48600	45000	46100	38700	45800	35100	40000	12600	35600	7910
20	46800	42500	48400	45000	45800	38200	44800	35600	39100	15700	35000	2800
21	46700	43500	48000	44200	45300	36400	45800	36500	39600	23900	34800	4520
22	47300	43300	47300	43300	48400	34800	44900	35800	39600	32500	33400	3400
23	47400	43100	46900	41400	47300	35400	42300	31400	40000	31100	33400	1770
24	47500	42300	47000	40800	48900	37100	40900	30400	39900	36300	33100	2250
25	47600	41000	47000	42200	48900	40000	41700	31200	40300	36200	32000	1060
26	47700	37400	47100	42700	49200	39900	42900	30600	40700	36300	34400	2560
27	47700	38500	47300	42300	49100	41300	43100	34500	41700	38100	34600	1170
28	47800	39300	47500	43100	49200	42000	44400	32800	41800	36700	34400	842
29	47700	38600	47600	44300	49300	39400	44800	29500	42000	25500	35300	697
30	47600	37600	47800	43000	49500	35800	45100	34100	41800	26200	36600	3180
31	---	---	48300	43700	---	---	45000	26900	41600	29000	---	---
MONTH	47800	36600	49500	37700	49500	28300	48900	26900	44500	9920	41900	326
YEAR	49600	326										

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	48900	46000
2	---	---	---	---	---	---	---	---	---	---	48800	45000
3	---	---	---	---	---	---	---	---	---	---	49000	44200
4	---	---	---	---	---	---	---	---	---	---	48800	44100
5	---	---	---	---	---	---	---	---	---	---	48700	44500
6	---	---	---	---	---	---	---	---	---	---	48600	37600
7	---	---	---	---	---	---	---	---	---	---	49200	37900
8	---	---	---	---	---	---	---	---	---	---	49400	40400
9	---	---	---	---	---	---	---	---	---	---	49400	43900
10	---	---	---	---	---	---	---	---	---	---	49100	44900
11	---	---	---	---	---	---	---	---	---	---	48900	43900
12	---	---	---	---	---	---	---	---	---	---	48700	45200
13	---	---	---	---	---	---	---	---	---	---	48500	43800
14	---	---	---	---	---	---	---	---	---	---	48300	43700
15	---	---	---	---	---	---	---	---	---	---	48300	44200
16	---	---	---	---	---	---	---	---	---	---	48400	43800
17	---	---	---	---	---	---	---	---	47800	44500	48000	44200
18	---	---	---	---	---	---	---	---	48200	39000	48500	45600
19	---	---	---	---	---	---	---	---	48400	40100	48800	43900
20	---	---	---	---	---	---	---	---	48800	42300	49000	46200
21	---	---	---	---	---	---	---	---	48800	41700	49100	40900
22	---	---	---	---	---	---	---	---	48700	42500	49000	40500
23	---	---	---	---	---	---	---	---	48700	43400	48900	42900
24	---	---	---	---	---	---	---	---	48600	43200	48800	44200
25	---	---	---	---	---	---	---	---	48300	44400	48800	45200
26	---	---	---	---	---	---	---	---	48500	43900	48600	43300
27	---	---	---	---	---	---	---	---	48600	44800	48800	43300
28	---	---	---	---	---	---	---	---	48800	44800	48800	45200
29	---	---	---	---	---	---	---	---	---	---	48200	32700
30	---	---	---	---	---	---	---	---	---	---	47200	39300
31	---	---	---	---	---	---	---	---	---	---	46200	43700
MONTH	---	---	---	---	---	---	---	---	48800	39000	49400	32700

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	47300	44400	48000	40300	50000	45100	48600	45700	45000	37000	43400	31700
2	47300	44900	48200	43400	49700	45100	49000	44700	44000	26600	43100	36400
3	46600	44700	48900	43500	49800	44600	48800	44300	44900	40000	43000	38200
4	46200	37900	49000	43900	---	---	48500	37700	43900	38300	42900	38800
5	46600	39000	49100	42400	---	---	48200	39900	41600	34900	42700	39000
6	46800	40300	49400	45200	---	---	48300	39700	41500	35800	43000	32800
7	46600	40400	49300	43900	49900	36400	48200	40000	42800	39300	43300	34900
8	46400	41700	49900	44000	49800	39400	48500	41700	44600	41700	43300	38300
9	46400	40600	50000	43300	50200	42400	48600	44600	44400	41900	42600	38600
10	47100	41000	50100	43300	50400	42100	48900	45700	44000	41100	40300	35900
11	47100	41000	50000	42900	49500	44300	48500	45500	43300	40200	41400	37900
12	46600	40600	50100	44900	48500	46400	47800	45400	42800	40100	43100	36700
13	46500	40100	50200	45100	48800	46700	47500	44700	42800	40300	43600	39000
14	46400	40900	50100	47500	49200	47600	47500	44000	43400	40400	44600	391
15	46600	42600	49500	47800	49400	42600	47700	42600	43200	34300	42400	2120
16	46900	44000	49700	47200	49900	41900	48100	44300	42100	32600	40700	12200
17	46900	44800	49800	47300	50100	43500	48000	37500	42900	14400	39600	14000
18	47100	37200	49900	47600	50400	44500	47900	36700	43200	24000	38500	30600
19	47500	42400	49900	46300	50100	41600	47600	37900	42800	32200	38100	20300
20	47200	43300	49900	46600	49900	41700	47600	38500	41000	33700	37200	15300
21	46800	43900	49800	44400	49400	40800	47600	38500	41700	35500	37300	13800
22	47500	43500	49000	44900	50600	38500	47200	39100	41700	38400	35500	6730
23	47700	43600	49200	44700	49800	37300	43300	34000	42100	38700	34800	4020
24	47800	42800	49700	43400	49900	38800	42700	33600	42200	39300	34800	5920
25	48000	41800	49500	45000	49900	41800	43300	37100	42700	39900	33200	3400
26	48200	38200	49600	44900	49800	42900	44000	41000	43200	41100	36100	11300
27	48100	39600	49600	44900	49400	43100	44400	42900	43900	41100	36300	3380
28	48100	40300	49600	45700	49100	42300	45000	42600	44000	40800	35700	1100
29	48000	40300	48900	44600	49200	46600	45400	43400	44100	38100	35800	1080
30	47800	38500	49900	45500	49200	37500	45400	43100	43900	35200	36200	18800
31	---	---	50300	46600	---	---	45500	41100	44000	34300	---	---
MONTH	48200	37200	50300	40300	50600	36400	49000	33600	45000	14400	44600	391
YEAR	50600	391										

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	24.2	22.4
2	---	---	---	---	---	---	---	---	---	---	25.3	23.1
3	---	---	---	---	---	---	---	---	---	---	25.1	24.1
4	---	---	---	---	---	---	---	---	---	---	24.8	22.8
5	---	---	---	---	---	---	---	---	---	---	23.7	21.3
6	---	---	---	---	---	---	---	---	---	---	22.6	20.1
7	---	---	---	---	---	---	---	---	---	---	21.7	19.8
8	---	---	---	---	---	---	---	---	---	---	20.8	19.6
9	---	---	---	---	---	---	---	---	---	---	20.3	19.4
10	---	---	---	---	---	---	---	---	---	---	21.0	19.7
11	---	---	---	---	---	---	---	---	---	---	21.4	19.6
12	---	---	---	---	---	---	---	---	---	---	22.7	20.2
13	---	---	---	---	---	---	---	---	---	---	22.9	22.1
14	---	---	---	---	---	---	---	---	---	---	22.5	21.7
15	---	---	---	---	---	---	---	---	---	---	24.1	21.9
16	---	---	---	---	---	---	---	---	23.9	22.1	24.1	23.0
17	---	---	---	---	---	---	---	---	22.8	20.8	24.0	22.9
18	---	---	---	---	---	---	---	---	21.8	20.4	23.1	21.6
19	---	---	---	---	---	---	---	---	21.5	19.4	22.1	21.0
20	---	---	---	---	---	---	---	---	21.9	20.4	22.0	20.9
21	---	---	---	---	---	---	---	---	22.1	20.5	21.4	20.0
22	---	---	---	---	---	---	---	---	22.8	20.8	21.7	19.3
23	---	---	---	---	---	---	---	---	22.6	20.9	21.7	19.9
24	---	---	---	---	---	---	---	---	22.8	21.1	21.7	20.0
25	---	---	---	---	---	---	---	---	23.6	22.1	22.1	20.0
26	---	---	---	---	---	---	---	---	24.4	21.9	21.8	20.4
27	---	---	---	---	---	---	---	---	23.9	22.0	21.2	19.9
28	---	---	---	---	---	---	---	---	23.9	22.2	21.5	19.4
29	---	---	---	---	---	---	---	---	---	---	21.1	20.2
30	---	---	---	---	---	---	---	---	---	---	21.7	19.6
31	---	---	---	---	---	---	---	---	---	---	22.2	20.6
MONTH	---	---	---	---	---	---	---	---	24.4	19.4	25.3	19.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.1	20.6	25.0	22.8	29.4	28.4	30.1	28.3	29.5	28.5	32.1	30.0
2	22.8	19.8	24.9	23.3	29.9	28.0	30.7	29.2	29.0	27.1	32.1	30.4
3	23.2	20.5	24.4	22.9	30.6	28.7	31.1	28.9	28.1	27.0	32.3	29.9
4	24.3	22.1	24.6	22.8	30.9	28.9	31.1	29.3	28.3	27.1	31.9	30.4
5	23.9	22.1	24.9	22.9	30.9	29.1	31.1	29.8	29.0	27.6	31.9	30.5
6	24.2	22.1	25.0	23.2	31.3	28.7	31.2	29.4	29.7	27.7	32.1	30.5
7	24.8	22.5	25.3	23.3	31.2	28.4	30.9	29.7	29.7	27.9	31.7	30.2
8	25.6	22.5	24.9	23.4	31.5	29.0	30.8	29.5	29.5	28.2	31.3	29.4
9	25.3	22.7	24.6	23.4	31.4	29.7	30.4	29.7	29.1	28.2	31.1	29.1
10	25.8	23.2	24.9	23.6	31.7	29.8	30.2	29.4	29.8	27.9	30.7	29.2
11	26.3	23.9	25.2	23.6	31.7	29.8	29.8	28.4	31.0	28.6	30.2	28.9
12	27.0	24.6	26.1	23.7	31.9	30.1	30.5	28.9	31.0	29.0	29.9	28.4
13	28.9	25.3	25.8	23.8	31.9	30.5	30.1	29.2	30.2	29.2	30.1	28.1
14	27.3	25.4	26.7	24.4	32.6	30.4	30.9	29.5	30.3	28.9	29.4	23.9
15	27.4	25.2	26.9	24.7	32.4	30.3	30.7	28.8	31.1	28.7	26.9	24.3
16	27.4	25.5	27.6	25.4	32.1	30.4	30.3	28.8	30.1	28.6	27.1	24.0
17	26.8	25.2	28.1	25.4	31.7	30.1	30.0	28.8	30.4	28.9	27.1	24.4
18	26.0	23.4	27.9	25.6	31.8	30.0	30.6	28.2	31.6	28.9	28.4	25.0
19	25.6	22.9	27.7	25.6	31.4	29.9	31.1	29.4	31.7	28.7	29.8	25.8
20	24.9	23.2	27.7	25.8	31.8	30.3	30.9	30.0	31.4	29.0	28.2	25.6
21	25.0	23.7	28.1	26.1	31.7	30.3	30.4	29.8	30.7	29.2	29.2	25.9
22	25.1	23.6	28.7	26.6	31.0	28.4	30.4	29.0	31.0	29.2	27.6	25.7
23	25.5	23.4	28.8	27.1	30.0	27.9	29.8	27.6	31.4	29.2	27.4	26.0
24	25.7	24.1	28.8	27.0	30.5	28.0	28.6	26.9	31.8	29.3	27.6	26.6
25	25.2	24.1	29.1	27.4	31.0	28.6	30.2	28.0	31.7	29.8	27.0	26.5
26	---	---	29.1	27.8	31.1	29.4	31.4	28.5	31.1	30.1	26.7	26.0
27	---	---	29.3	27.6	31.3	29.8	31.3	29.1	31.2	30.2	26.0	25.6
28	25.3	23.4	29.5	28.2	30.5	28.4	30.6	29.1	31.4	30.5	25.8	25.2
29	24.4	23.4	30.1	28.4	29.7	28.1	30.6	29.0	31.4	30.4	25.5	24.4
30	24.1	22.8	31.0	28.8	30.3	28.4	31.0	29.2	31.7	29.7	25.2	23.8
31	---	---	30.9	28.9	---	---	29.9	29.0	32.0	30.0	---	---
MONTH	28.9	19.8	31.0	22.8	32.6	27.9	31.4	26.9	32.0	27.0	32.3	23.8
YEAR	32.6	19.3										

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE MIDDLE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	24.1	22.4
2	---	---	---	---	---	---	---	---	---	---	25.4	22.9
3	---	---	---	---	---	---	---	---	---	---	25.1	24.2
4	---	---	---	---	---	---	---	---	---	---	24.7	23.4
5	---	---	---	---	---	---	---	---	---	---	24.0	21.8
6	---	---	---	---	---	---	---	---	---	---	22.5	20.8
7	---	---	---	---	---	---	---	---	---	---	21.6	19.9
8	---	---	---	---	---	---	---	---	---	---	20.7	19.4
9	---	---	---	---	---	---	---	---	---	---	20.2	19.3
10	---	---	---	---	---	---	---	---	---	---	20.9	19.4
11	---	---	---	---	---	---	---	---	---	---	21.2	19.5
12	---	---	---	---	---	---	---	---	---	---	22.7	20.1
13	---	---	---	---	---	---	---	---	---	---	22.9	22.2
14	---	---	---	---	---	---	---	---	---	---	22.4	21.6
15	---	---	---	---	---	---	---	---	---	---	24.0	21.8
16	---	---	---	---	---	---	---	---	23.9	21.9	24.0	23.1
17	---	---	---	---	---	---	---	---	22.8	20.7	24.0	22.6
18	---	---	---	---	---	---	---	---	21.8	20.3	23.2	21.7
19	---	---	---	---	---	---	---	---	21.1	19.9	22.1	21.2
20	---	---	---	---	---	---	---	---	21.1	20.3	22.0	20.9
21	---	---	---	---	---	---	---	---	21.9	20.5	21.5	20.5
22	---	---	---	---	---	---	---	---	22.1	20.7	21.4	19.5
23	---	---	---	---	---	---	---	---	22.2	20.8	21.6	19.9
24	---	---	---	---	---	---	---	---	22.7	21.1	21.7	20.0
25	---	---	---	---	---	---	---	---	23.4	22.0	22.1	20.0
26	---	---	---	---	---	---	---	---	24.6	21.7	21.8	20.2
27	---	---	---	---	---	---	---	---	23.8	21.9	21.2	19.8
28	---	---	---	---	---	---	---	---	23.8	22.0	21.4	19.3
29	---	---	---	---	---	---	---	---	---	---	20.9	20.3
30	---	---	---	---	---	---	---	---	---	---	21.8	19.6
31	---	---	---	---	---	---	---	---	---	---	21.0	20.5
MONTH	---	---	---	---	---	---	---	---	24.6	19.9	25.4	19.3

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.1	20.6	24.4	23.2	29.3	28.4	29.7	29.0	29.6	29.1	32.0	30.9
2	22.3	20.6	24.3	23.2	29.8	27.9	30.1	29.4	29.2	27.5	31.8	30.8
3	23.3	20.7	24.3	23.0	30.5	28.7	30.8	29.5	28.4	26.9	32.0	30.7
4	23.9	21.6	24.5	22.8	30.9	29.0	31.1	29.6	28.5	27.2	31.7	30.7
5	23.5	21.6	24.8	22.8	30.8	29.3	31.0	30.0	28.6	27.6	31.8	30.8
6	24.0	21.6	25.0	23.1	30.7	28.7	31.1	29.8	29.2	28.0	31.9	30.8
7	24.6	22.0	25.3	23.4	31.0	29.8	30.7	30.0	29.0	28.1	31.7	30.4
8	24.9	22.3	24.8	23.4	31.3	30.0	30.8	29.9	29.0	28.6	31.3	30.4
9	25.3	22.5	24.6	23.6	31.3	29.8	30.4	29.7	28.9	28.5	31.1	30.8
10	25.4	23.0	24.8	23.6	31.5	30.0	30.0	29.7	29.3	28.5	30.9	29.5
11	26.4	23.5	25.0	23.6	31.6	30.6	29.9	29.0	30.2	28.6	30.3	29.6
12	27.0	24.2	25.5	23.2	31.1	29.8	30.0	29.5	30.5	28.7	30.3	29.2
13	27.9	24.8	25.7	23.9	30.8	30.4	30.0	29.7	30.1	28.8	30.4	29.1
14	27.2	24.8	25.8	24.0	31.5	30.6	30.0	29.7	30.3	28.6	30.1	23.8
15	26.8	24.8	26.5	24.8	32.3	30.5	30.3	29.5	30.8	28.9	27.8	24.4
16	26.8	25.3	26.5	24.9	32.0	30.6	30.1	29.0	30.2	29.4	27.1	24.6
17	26.6	25.5	26.6	25.0	31.7	30.3	29.9	28.9	30.3	29.3	27.0	24.6
18	25.9	24.4	27.1	25.3	31.7	30.3	30.6	28.6	31.7	29.4	27.2	25.1
19	25.6	23.8	27.6	25.6	31.3	30.5	31.1	29.7	31.5	29.8	27.8	25.8
20	24.8	22.7	27.6	25.8	31.7	30.3	30.9	29.8	31.2	29.9	27.7	25.6
21	24.9	23.6	28.1	26.1	31.5	30.5	30.4	29.7	30.8	29.7	28.2	25.9
22	25.1	23.3	28.7	26.6	31.1	28.4	30.3	29.0	30.7	29.9	27.3	25.6
23	25.4	23.2	28.8	26.9	30.3	27.9	29.7	27.5	30.8	30.0	27.5	26.1
24	25.7	24.0	28.8	27.2	30.6	28.9	28.7	26.8	31.0	30.2	29.4	26.6
25	25.2	24.0	29.0	27.4	30.8	29.6	30.3	28.1	31.0	30.2	28.4	26.5
26	25.1	23.7	29.1	27.8	31.2	29.7	30.5	28.3	30.8	30.6	27.0	26.1
27	25.0	23.5	29.1	27.9	31.3	29.8	31.6	28.4	31.0	30.4	27.0	25.7
28	25.0	23.8	29.5	28.1	30.2	29.3	30.2	28.4	30.9	30.6	27.2	25.5
29	24.4	23.1	29.7	28.2	29.7	29.4	30.5	28.5	31.0	30.5	27.4	24.8
30	23.8	22.8	29.7	28.6	30.0	28.8	30.0	28.7	31.2	30.5	27.5	24.0
31	---	---	30.5	28.8	---	---	29.5	29.0	31.8	30.8	---	---
MONTH	27.9	20.6	30.5	22.8	32.3	27.9	31.6	26.8	31.8	26.9	32.0	23.8
YEAR	32.3	19.3										

02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

TEMPERATURE, WATER (DEG. C), PERIOD FEBRUARY TO SEPTEMBER 2001
(NEAR THE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	23.7	22.6
2	---	---	---	---	---	---	---	---	---	---	25.4	22.9
3	---	---	---	---	---	---	---	---	---	---	25.1	24.2
4	---	---	---	---	---	---	---	---	---	---	24.8	23.5
5	---	---	---	---	---	---	---	---	---	---	24.1	22.1
6	---	---	---	---	---	---	---	---	---	---	22.7	21.1
7	---	---	---	---	---	---	---	---	---	---	21.7	19.9
8	---	---	---	---	---	---	---	---	---	---	20.7	19.4
9	---	---	---	---	---	---	---	---	---	---	20.2	19.4
10	---	---	---	---	---	---	---	---	---	---	20.9	19.5
11	---	---	---	---	---	---	---	---	---	---	21.2	19.6
12	---	---	---	---	---	---	---	---	---	---	22.6	20.0
13	---	---	---	---	---	---	---	---	---	---	22.9	22.0
14	---	---	---	---	---	---	---	---	---	---	22.4	21.6
15	---	---	---	---	---	---	---	---	---	---	24.1	21.8
16	---	---	---	---	---	---	---	---	24.0	20.4	24.1	23.2
17	---	---	---	---	---	---	---	---	22.9	20.7	24.0	22.6
18	---	---	---	---	---	---	---	---	21.9	20.4	23.1	21.8
19	---	---	---	---	---	---	---	---	21.1	20.0	22.1	21.5
20	---	---	---	---	---	---	---	---	20.9	20.2	22.0	21.0
21	---	---	---	---	---	---	---	---	21.6	20.5	21.6	20.9
22	---	---	---	---	---	---	---	---	22.0	20.8	21.3	19.8
23	---	---	---	---	---	---	---	---	22.2	20.9	21.6	20.0
24	---	---	---	---	---	---	---	---	22.8	21.1	21.7	20.0
25	---	---	---	---	---	---	---	---	23.5	21.8	22.0	20.0
26	---	---	---	---	---	---	---	---	23.9	21.7	21.8	20.2
27	---	---	---	---	---	---	---	---	23.5	21.9	21.2	19.9
28	---	---	---	---	---	---	---	---	23.7	22.0	21.1	19.5
29	---	---	---	---	---	---	---	---	---	---	20.9	20.5
30	---	---	---	---	---	---	---	---	---	---	21.4	19.7
31	---	---	---	---	---	---	---	---	---	---	21.0	20.5
MONTH	---	---	---	---	---	---	---	---	24.0	20.0	25.4	19.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.0	20.6	24.3	23.3	29.3	28.5	29.6	29.3	29.2	29.1	31.5	31.1
2	22.0	20.7	24.3	23.3	29.9	27.8	29.8	29.5	29.2	28.1	31.5	31.2
3	23.3	20.7	24.3	23.0	30.6	28.8	30.1	29.5	28.6	27.0	31.4	31.1
4	23.6	21.7	24.5	22.9	30.9	29.1	30.9	29.8	28.1	27.3	31.4	31.1
5	23.3	21.5	24.8	22.8	30.8	29.6	30.9	30.1	28.3	27.7	31.4	31.1
6	24.0	21.6	25.0	23.2	30.7	29.1	31.1	30.0	28.6	28.1	31.5	31.1
7	24.7	21.9	25.3	23.4	31.0	29.9	30.7	30.0	28.7	28.4	31.6	30.9
8	24.9	22.2	24.9	23.5	31.3	29.9	30.7	29.9	28.8	28.6	31.4	30.9
9	25.1	22.5	24.7	23.5	31.3	29.8	30.5	29.8	28.9	28.6	31.1	30.9
10	25.4	22.9	24.9	23.7	31.5	30.0	30.0	29.9	29.0	28.5	30.9	29.7
11	25.9	23.4	25.1	23.5	31.6	30.6	29.9	29.6	29.2	28.7	30.5	29.5
12	26.9	24.0	25.5	23.4	30.9	29.7	30.0	29.6	29.5	28.7	30.7	29.4
13	27.7	24.7	25.7	23.9	30.8	30.4	29.9	29.7	29.3	28.8	30.5	29.2
14	27.2	24.8	25.7	24.0	31.1	30.6	29.9	29.8	29.0	28.7	30.2	24.0
15	26.7	24.7	26.5	24.8	32.0	30.5	30.1	29.7	29.8	28.7	27.8	25.2
16	26.3	25.2	26.4	24.9	31.9	30.6	29.7	29.3	29.8	29.4	27.1	26.0
17	26.4	25.6	26.5	25.0	31.8	30.5	29.9	29.0	30.3	29.3	27.1	26.0
18	25.7	24.6	26.9	25.3	31.8	30.4	30.5	29.0	31.5	29.3	27.0	26.5
19	25.6	24.3	27.7	25.7	31.3	30.6	31.0	29.8	31.4	29.8	27.3	26.7
20	24.8	22.5	27.7	25.8	31.6	30.6	30.8	29.8	31.1	30.1	27.4	26.3
21	25.0	23.3	28.1	26.2	31.5	30.6	30.0	29.7	30.6	30.0	27.3	26.4
22	25.2	23.0	28.7	26.6	31.1	28.6	30.2	29.4	30.5	30.1	27.2	26.1
23	25.4	23.2	28.8	26.9	30.5	27.8	29.9	27.4	30.8	30.2	27.3	26.5
24	25.7	24.0	28.8	27.3	30.7	29.3	28.5	26.8	30.8	30.2	27.2	26.8
25	25.2	24.0	29.0	27.7	30.8	29.9	29.7	28.2	30.8	30.2	27.6	26.7
26	25.2	23.8	29.1	27.9	30.9	29.8	29.7	28.7	30.6	30.4	27.0	26.6
27	25.0	23.5	29.1	28.0	31.0	29.9	30.3	28.4	30.7	30.5	27.1	26.1
28	24.8	23.1	29.4	28.2	30.2	29.6	30.0	28.7	30.7	30.6	27.1	25.6
29	24.5	23.1	29.8	28.2	29.7	29.5	29.3	28.6	30.8	30.6	27.3	25.3
30	23.7	22.7	29.8	28.6	29.8	29.0	29.4	28.9	31.0	30.7	27.5	26.4
31	---	---	30.4	28.8	---	---	29.3	29.0	31.3	30.8	---	---
MONTH	27.7	20.6	30.4	22.8	32.0	27.8	31.1	26.8	31.5	27.0	31.6	24.0
YEAR	32.0	19.4										

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 upstream from culverts on private road, 160 ft upstream from Gunn Highway, 1.7 mi downstream from Lake Ellen, and 3.5 mi west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.
DRAINAGE AREA.--7.43 mi^2.
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 above National Geodetic Vertical Datum of 1929. Prior to May 3, 1974, at site 160 ft downstream. Prior to Oct. 15, 1965, at datum 4.68 ft higher; Oct. 15, 1965, to May 15, 1967, at datum 3.00 ft higher; May 15, 1967, to May 3, 1974, at present datum.
REMARKS.--Records poor. Flow affected by regulation of control structures upstream from station. Since January 1970, flow has been diverted from basin (downstream from station) through Channel G to Rocky Creek.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.01	.13	.08	.35	.05	3.0	.00	.00	5.9	2.2	2.2
2	.86	.01	.11	.09	.10	.05	2.4	.00	.00	4.1	8.7	1.6
3	.84	.00	.10	.09	.16	.06	2.0	.00	.00	3.6	12	1.2
4	.82	.00	.12	.08	.15	1.5	1.6	.00	.00	2.9	7.4	1.2
5	.69	.03	.12	.09	.11	.33	1.4	.00	2.7	1.9	4.8	.94
6	.63	.03	.11	.08	.08	.20	1.1	.00	.81	1.2	3.3	5.5
7	.67	.03	.11	.07	.07	.25	.89	.00	3.2	3.9	3.5	11
8	.57	.04	.12	.46	.07	.27	1.1	.00	2.9	4.3	3.8	5.5
9	.27	.05	.11	.20	.07	.24	.86	.00	2.2	3.0	7.6	3.7
10	.16	.03	.11	.12	.06	.20	.52	.00	1.7	3.3	5.1	2.9
11	.08	.02	.12	.12	.06	.18	.49	.00	1.1	6.5	2.9	2.3
12	.09	.03	.12	.14	.08	.22	.61	.00	.74	5.7	2.0	2.1
13	.06	.04	.09	.10	.08	.21	.45	.00	.41	5.2	2.2	2.0
14	.02	.10	.11	.08	.07	.17	.36	.00	.20	3.5	3.2	43
15	.03	.08	.10	.10	.08	.17	.29	.00	.07	2.3	2.2	71
16	.06	.10	.11	.07	.08	.15	.38	.00	.00	1.5	2.4	31
17	.08	.05	.48	.06	.07	.17	.18	.00	.00	1.2	2.0	20
18	.01	.03	.17	.05	.05	.17	.12	.00	.00	1.1	1.6	8.9
19	.01	.01	.19	.05	.03	2.2	.18	.00	.00	.86	1.4	6.4
20	.01	.03	.20	.04	.05	.65	.30	.00	.00	.60	1.1	5.2
21	.05	.04	.16	.01	.05	.39	.13	.00	.00	3.2	.90	4.1
22	.02	.03	.09	.08	.06	.36	.06	.00	.12	3.0	.77	3.5
23	.00	.11	.07	.09	.07	.38	.06	.00	.02	8.1	.65	2.9
24	.01	.12	.09	.08	.06	.38	.03	.00	.01	7.4	.60	3.1
25	.01	.71	.07	.08	.06	.36	.03	.00	.01	5.2	.58	3.1
26	.01	.56	.06	.09	.07	.40	.01	.00	.00	5.1	.50	2.8
27	.78	.21	.08	.08	.11	.32	.00	.00	.00	4.5	.38	2.7
28	1.3	.24	.12	.08	.06	.34	.00	.00	1.7	4.0	.35	2.3
29	1.8	.22	.13	.09	---	3.0	.00	.00	3.1	4.0	.32	2.1
30	.82	.19	.09	.10	---	3.3	.00	.00	5.4	2.9	3.4	1.8
31	.01	---	.09	.08	---	3.6	---	.00	---	2.4	3.0	---
TOTAL	11.87	3.15	3.88	3.03	2.41	20.27	18.55	0.00	26.39	112.36	90.85	256.04
MEAN	.38	.10	.13	.098	.086	.65	.62	.000	.88	3.62	2.93	8.53
MAX	1.8	.71	.48	.46	.35	3.6	3.0	.00	5.4	8.1	12	71
MIN	.00	.00	.06	.01	.03	.05	.00	.00	.00	.60	.32	.94
AC-FT	24	6.2	7.7	6.0	4.8	40	37	.00	52	223	180	508

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	6.41	2.47	2.73	3.60	3.90	7.58	4.79	2.23	3.46	6.27	15.1	16.5
MAX	42.3	13.1	56.6	42.4	48.2	79.3	55.8	27.3	40.8	56.7	97.5	83.3
(WY)	1960	1989	1998	1998	1998	1960	1959	1959	1959	1959	1960	1979
MIN	.006	.000	.000	.000	.000	.003	.000	.000	.000	.023	.000	.000
(WY)	1957	1957	1957	1957	1957	2000	1956	1955	1955	1956	1956	1956

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1952 - 2001**	
ANNUAL TOTAL	440.21		548.80			
ANNUAL MEAN	1.20		1.50		6.27	
HIGHEST ANNUAL MEAN					35.9	1959
LOWEST ANNUAL MEAN					.15	1956
HIGHEST DAILY MEAN	34	Sep 8	71	Sep 15	396	Mar 17 1960
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 4	.00	Apr 27	.00	May 15 1953
MAXIMUM PEAK FLOW			99	Sep 15	438	Mar 17 1960
MAXIMUM PEAK STAGE			6.61	Sep 15	9.57	May 18 1979
ANNUAL RUNOFF (AC-FT)	873		1090		4540	
10 PERCENT EXCEEDS	4.2		3.5		16	
50 PERCENT EXCEEDS	.12		.14		1.3	
90 PERCENT EXCEEDS	.00		.00		.13	

02306647 SWEETWATER CREEK NEAR TAMPA, FL

LOCATION.--Lat 28°00'49", long 82°32'43", in SW¼ sec.30, T.28 E., R.18 E., Hillsborough County, Hydrologic Unit 03100206, near left bank, 24 ft upstream from structure G-1, 500 ft west of Veterans Expressway, 4.0 mi upstream from mouth, and 7.5 mi northwest of Tampa.
DRAINAGE AREA.--14.3 mi^2.
PERIOD OF RECORD.--April 1964 to September 1981 (discharge measurements only); October 1985 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Hillsborough County bench mark). Prior to Mar. 25, 1975, nonrecording gage 1,000 ft upstream at datum 10 ft lower; Mar. 25, 1975, to September 1981, nonrecording gage at same site at present datum.
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	2.4	.94	2.4	3.8	1.5	14	.23	.00	36	19	16
2	3.3	1.9	1.1	1.9	3.7	1.5	7.4	.35	.00	11	29	11
3	2.4	1.3	1.1	1.3	4.0	1.4	4.6	.44	.00	6.9	93	9.2
4	1.1	1.2	1.2	1.4	4.8	13	2.9	.36	.00	8.3	57	10
5	1.3	.91	1.5	1.4	3.4	8.9	3.1	.41	.00	22	35	23
6	2.1	.81	1.7	1.4	3.0	3.8	3.1	.31	.13	11	22	47
7	2.0	.48	1.7	1.3	3.0	2.7	3.1	.31	.00	24	17	102
8	1.8	.26	1.5	3.2	3.0	2.3	3.0	.46	1.6	56	19	34
9	2.0	.36	1.4	2.2	2.8	2.2	2.7	.24	.35	20	43	21
10	1.8	.38	1.2	1.1	2.6	2.5	2.5	.05	.00	16	78	15
11	1.8	.12	1.3	.62	2.5	2.5	2.1	.08	.00	56	29	12
12	2.5	.33	2.1	1.3	2.3	2.5	1.6	.00	.00	32	20	10
13	2.2	.65	2.0	1.3	2.0	2.5	1.1	.00	.00	23	12	9.4
14	2.2	1.3	2.4	1.4	1.9	2.5	.56	.00	.00	21	9.6	227
15	1.7	.93	2.1	1.4	1.9	2.2	.60	.00	.00	12	9.2	285
16	2.5	.88	1.7	1.1	1.9	1.9	.50	.00	.00	7.4	8.0	192
17	2.6	.93	5.7	.83	1.9	1.8	.42	.00	.00	5.6	11	129
18	2.1	1.1	4.5	1.0	1.9	1.6	.46	.00	.00	4.5	8.6	66
19	2.9	.70	3.0	1.0	1.8	24	.60	.00	.00	3.9	7.2	39
20	2.8	.97	2.3	1.5	1.6	24	.56	.00	.00	3.5	5.6	28
21	2.4	1.0	2.0	1.2	1.6	8.1	.64	.00	.00	5.0	4.5	22
22	2.1	1.1	1.5	.56	1.8	4.9	.83	.00	.44	16	2.0	18
23	2.2	.90	1.1	.54	1.6	4.0	.89	.00	.04	38	2.2	15
24	2.3	.82	1.2	.45	1.6	3.7	.81	.00	.00	62	2.7	17
25	2.1	2.1	1.2	.29	1.5	3.5	.81	.00	.00	30	2.4	26
26	2.0	7.2	1.3	.77	1.5	3.5	.64	.00	.47	27	2.3	20
27	1.6	3.3	1.2	.97	1.4	3.4	.52	.00	.60	26	2.1	19
28	1.6	1.5	2.8	.93	1.5	3.2	.42	.00	8.2	23	2.5	19
29	1.5	.55	4.1	1.5	---	37	.43	.00	21	20	2.7	16
30	2.0	.74	3.5	1.2	---	67	.59	.00	10	17	6.1	14
31	3.4	---	2.8	1.5	---	19	---	.00	---	15	31	---
TOTAL	69.4	37.12	63.14	38.96	66.3	262.6	61.48	3.24	42.83	659.1	592.7	1471.6
MEAN	2.24	1.24	2.04	1.26	2.37	8.47	2.05	.10	1.43	21.3	19.1	49.1
MAX	5.1	7.2	5.7	3.2	4.8	67	14	.46	21	62	93	285
MIN	1.1	.12	.94	.29	1.4	1.4	.42	.00	.00	3.5	2.0	9.2
CFSM	.16	.09	.14	.09	.17	.59	.14	.01	.10	1.49	1.34	3.43
IN.	.18	.10	.16	.10	.17	.68	.16	.01	.11	1.71	1.54	3.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	20.5	13.3	19.3	14.1	15.7	17.2	9.87	6.19	13.6	27.1	37.5	45.6
MAX	59.0	77.7	219	89.0	137	89.9	49.1	29.7	35.9	53.1	97.3	127
(WY)	1996	1998	1998	1998	1998	1998	1987	1987	1996	1994	1995	1988
MIN	2.24	1.24	.71	1.26	1.24	1.16	.38	.001	1.43	6.52	8.65	7.44
(WY)	2001	2001	2000	2001	2000	2000	2000	2000	2001	1993	1993	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1986 - 2001**	
ANNUAL TOTAL	2269.41		3368.47			
ANNUAL MEAN	6.20		9.23		20.0	
HIGHEST ANNUAL MEAN					70.1	1998
LOWEST ANNUAL MEAN					6.98	2000
HIGHEST DAILY MEAN	97	Aug 13	285	Sep 15	803	Dec 13 1997
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 4	.00	May 12	.00	May 4 2000
MAXIMUM PEAK FLOW			422	Sep 14	930	Dec 13 1997
MAXIMUM PEAK STAGE			12.72	Sep 14	13.83	Dec 13 1997
ANNUAL RUNOFF (CFSM)	.43		.65		1.40	
ANNUAL RUNOFF (INCHES)	5.90		8.76		19.02	
10 PERCENT EXCEEDS	16		22		52	
50 PERCENT EXCEEDS	1.6		2.0		6.8	
90 PERCENT EXCEEDS	.00		.00		1.3	

02306654 HENRY STREET CANAL NEAR TAMPA, FL

LOCATION.--Lat 27°59''59", long 82°33'05", in SE¼ sec.36, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on right upstream wingwall of Golden Drive bridge, 1,300 ft north of Hillsborough Avenue, 0.5 mi upstream from Sweetwater Creek, and 7.0 mi northwest of Tampa.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--October 1985 to September 1990; April 1992 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	1.3	1.3	2.0	5.2	.64	9.8	1.4	2.2	13	8.1	3.5
2	3.6	1.4	1.4	1.8	2.6	.70	6.0	1.4	2.5	5.3	13	3.0
3	2.7	1.3	1.5	1.7	5.4	.72	4.9	1.5	.88	3.4	14	13
4	2.7	1.3	1.5	1.7	5.8	32	4.4	1.4	.99	12	8.3	6.8
5	2.6	1.4	1.3	1.6	2.7	12	3.8	1.3	2.6	8.6	6.1	5.2
6	2.5	1.4	1.5	1.6	1.8	6.9	e3.3	1.1	4.1	4.2	6.6	64
7	2.5	1.1	1.5	1.5	1.6	5.4	e2.9	1.0	6.1	4.4	7.0	37
8	2.2	1.1	1.6	6.3	5.8	4.7	e2.7	.81	3.0	4.6	9.7	9.6
9	2.0	1.0	1.5	3.9	1.4	4.3	e2.6	.76	1.1	3.5	17	8.7
10	1.7	1.0	1.3	2.5	1.3	4.2	e2.4	.78	.76	5.6	9.2	7.0
11	1.5	1.1	1.4	2.0	1.2	4.1	e2.2	.77	.78	48	5.4	5.7
12	1.6	1.1	2.6	2.2	1.1	3.8	e2.1	1.0	.63	11	5.3	5.2
13	1.4	1.0	2.3	2.1	.91	4.0	e2.0	.98	.55	12	4.5	5.9
14	1.2	1.5	2.1	2.0	.83	4.1	e1.8	1.0	.58	7.6	4.0	257
15	1.3	1.2	1.9	2.0	.84	3.9	e1.7	.92	.56	5.1	4.5	255
16	1.3	1.1	1.8	1.9	.77	4.1	e1.7	.97	.50	4.2	4.9	130
17	1.3	1.2	15	1.9	.72	4.4	e1.6	.84	.53	4.0	4.0	12
18	1.3	1.3	3.8	1.8	.69	4.5	e1.7	.78	.63	3.9	3.4	9.0
19	1.3	1.1	2.9	1.7	.65	21	e.94	.71	.69	3.7	3.3	7.5
20	1.3	1.1	2.5	3.0	.59	7.5	e.85	.66	6.2	5.1	2.8	6.7
21	1.3	1.1	2.1	2.0	.62	4.4	1.4	.67	3.7	6.1	2.6	6.0
22	1.2	1.1	1.9	1.8	.62	4.1	1.5	.60	11	7.1	2.6	5.5
23	1.3	1.1	1.8	1.6	.60	4.1	1.8	.56	8.6	35	2.5	5.2
24	1.2	1.1	1.8	1.5	.59	4.0	1.6	.50	5.3	13	2.4	6.7
25	1.3	16	1.8	1.5	.57	3.9	1.6	.60	2.4	8.0	2.2	6.4
26	1.3	22	1.7	1.5	.62	3.7	1.8	.54	8.2	7.0	2.0	5.3
27	1.3	5.0	1.7	1.4	.57	3.6	1.6	.51	5.8	5.5	2.1	5.5
28	1.3	2.2	6.3	1.3	.59	3.4	1.5	.66	19	4.8	2.2	5.4
29	1.4	1.6	3.8	1.3	---	40	1.5	.67	11	4.3	3.5	5.0
30	1.5	1.4	2.5	1.3	---	28	1.5	.58	7.8	3.9	11	4.7
31	1.4	---	2.2	1.4	---	14	---	.59	---	5.0	4.5	---
TOTAL	55.5	76.6	78.3	61.8	46.68	246.16	75.19	26.56	118.68	268.9	178.7	907.5
MEAN	1.79	2.55	2.53	1.99	1.67	7.94	2.51	.86	3.96	8.67	5.76	30.2
MAX	5.0	22	15	6.3	5.8	40	9.8	1.5	19	48	17	257
MIN	1.2	1.0	1.3	1.3	.57	.64	.85	.50	.50	3.4	2.0	3.0

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	9.68	7.91	9.19	7.63	7.48	9.41	5.95	3.95	11.6	17.2	21.0	23.0
MAX	19.7	20.5	62.0	15.8	31.6	33.6	15.9	11.3	33.8	34.6	55.3	73.8
(WY)	1996	1998	1998	1996	1998	1987	1997	1998	1995	1995	1995	1988
MIN	1.79	2.55	2.41	1.99	1.67	1.44	1.30	.59	3.96	5.58	5.76	8.76
(WY)	2001	2001	1999	2001	2001	2000	1999	2000	2001	1999	2001	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1986 - 2001**	
ANNUAL TOTAL	2145.94		2140.57			
ANNUAL MEAN	5.86		5.86		11.2	
HIGHEST ANNUAL MEAN					19.9	1998
LOWEST ANNUAL MEAN					5.56	1999
HIGHEST DAILY MEAN	200	Jul 15	257	Sep 14	464	Sep 27 1997
LOWEST DAILY MEAN	.32	May 10	.50	May 24	.10	May 29 1992
ANNUAL SEVEN-DAY MINIMUM	.37	May 8	.57	May 22	.13	May 26 1992
MAXIMUM PEAK FLOW			538	Sep 14	1210	Sep 26 1997
MAXIMUM PEAK STAGE			10.79	Sep 14	12.60	Sep 26 1997
10 PERCENT EXCEEDS	13		8.6		23	
50 PERCENT EXCEEDS	1.8		2.1		4.9	
90 PERCENT EXCEEDS	.97		.74		1.6	

TAMPA BAY AND COASTAL AREAS

02306774 ROCKY CREEK AT STATE HIGHWAY 587 NEAR CITRUS PARK, FL

LOCATION.--Lat 28°03'55", long 82°34'00", in NW¼ sec.12, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on right bank, 20 ft north of bridge on State Highway 587 (Gunn Highway), 0.2 mi east of intersection Sheldon Road and Gunn Highway, 1.2 mi south of Citrus Park, and 9.0 mi upstream from mouth.
DRAINAGE AREA.--17.8 mi^2.
PERIOD OF RECORD.--October 1985 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Hillsborough County bench mark). Prior to Apr. 2, 1997, at site 120 ft north at same datum; Apr. 2, 1997, to Dec. 17, 1998, at site 120 ft south at same datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	.04	.24	.20	.35	.11	2.1	.06	.00	12	32	.00
2	9.7	.05	.22	.20	.31	.09	1.3	.06	.00	4.9	53	.00
3	9.3	.04	.24	.20	.28	.09	.91	.06	.00	2.4	104	.00
4	9.1	.05	.24	.20	.33	.34	.72	.08	.00	1.2	76	.00
5	8.7	.07	.22	.20	.28	.28	.63	.06	.02	.74	68	.00
6	8.1	.06	.23	.20	.24	.17	.55	.06	.00	.51	64	e1.2
7	7.3	.06	.18	.17	.22	.14	.48	.05	.00	.41	61	1.4
8	6.2	.06	.17	.26	.20	.13	.43	.06	.00	.34	57	e2.6
9	5.3	.06	.16	.25	.17	.14	.40	.05	.00	.37	53	.00
10	3.5	.09	.15	.21	.16	.16	.38	.04	.00	.53	50	.08
11	1.8	.09	.15	.20	.16	.14	.32	.05	.00	6.7	43	.75
12	1.1	.08	.16	.20	.15	.15	.26	.06	.00	14	38	2.1
13	.74	.10	.16	.16	.18	.12	.25	.04	.00	4.8	36	3.9
14	.56	.12	.16	.15	.18	.16	.24	.04	.00	3.4	37	70
15	.42	.13	.16	.13	.17	.15	.22	.02	.00	2.0	26	234
16	.32	.13	.16	.15	.18	.13	.19	.00	.00	1.0	21	181
17	.28	.14	.20	.14	.16	.13	.16	.00	.00	.70	17	141
18	.25	.17	.18	.13	.16	.11	.14	.00	.00	.51	15	124
19	.22	.18	.19	.13	.16	.45	.13	.00	.00	.31	14	115
20	.23	.17	.20	.13	.16	.46	.18	.00	.00	.21	12	106
21	.18	.19	.20	.17	.15	.30	.18	.00	.00	3.0	10	97
22	.16	.17	.19	.16	.15	.24	.18	.00	.00	13	8.0	88
23	.14	.18	.17	e.17	.17	.22	.19	.00	.00	11	4.8	79
24	.12	.21	.16	.13	.14	.17	.15	.00	.00	21	1.8	71
25	.12	.22	.16	.14	.13	.16	.15	.00	.00	9.1	.40	65
26	.09	.33	.17	.13	.13	.18	.16	.00	.00	6.6	.01	55
27	.08	.32	.16	.15	.13	.18	.12	.00	.02	5.1	.00	48
28	.08	.27	.20	.15	.12	.17	.09	.00	.26	4.5	.00	42
29	.06	.26	.20	.15	---	.74	.05	.00	1.6	6.3	.00	37
30	.05	.26	.20	.19	---	1.8	.05	.00	4.5	4.7	.00	33
31	.04	---	.21	.19	---	1.9	---	.00	---	6.6	.00	---
TOTAL	85.24	4.30	5.79	5.34	5.32	9.71	11.31	0.79	6.40	147.93	902.01	1598.03
MEAN	2.75	.14	.19	.17	.19	.31	.38	.025	.21	4.77	29.1	53.3
MAX	11	.33	.24	.26	.35	1.9	2.1	.08	4.5	21	104	234
MIN	.04	.04	.15	.13	.12	.09	.05	.00	.00	.21	.00	.00
CFSM	.15	.01	.01	.01	.01	.02	.02	.00	.01	.27	1.63	2.99
IN.	.18	.01	.01	.01	.01	.02	.02	.00	.01	.31	1.89	3.34

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	15.6	7.31	10.9	9.78	11.2	12.7	6.44	1.18	3.57	9.06	16.5	30.6
MAX	56.6	44.3	129	98.0	111	103	41.7	4.11	13.5	29.5	72.4	127
(WY)	1996	1998	1998	1998	1998	1998	1987	1998	1991	1991	1991	1988
MIN	.009	.051	.16	.17	.19	.060	.002	.014	.004	.36	.061	.52
(WY)	1994	1994	1994	2001	2001	1994	1994	2000	1994	1992	1993	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1986 - 2001**	
ANNUAL TOTAL	1515.14		2782.17			
ANNUAL MEAN	4.14		7.62		11.2	
HIGHEST ANNUAL MEAN					53.3	1998
LOWEST ANNUAL MEAN					2.16	1992
HIGHEST DAILY MEAN	123	Sep 20	234	Sep 15	336	Sep 9 1988
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 13	.00	May 16	.00	Apr 25 1990
MAXIMUM PEAK FLOW			247	Sep 15	366	Dec 27 1997
MAXIMUM PEAK STAGE			23.28	Sep 15	25.52	Dec 27 1997
ANNUAL RUNOFF (CFSM)	.23		.43		.63	
ANNUAL RUNOFF (INCHES)	3.17		5.81		8.57	
10 PERCENT EXCEEDS	11		14		28	
50 PERCENT EXCEEDS	.24		.18		2.2	
90 PERCENT EXCEEDS	.04		.00		.12	

TAMPA BAY AND COASTAL AREAS

02306904 BRUSHY CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°05'03", long 82°31'29", in NE¼ sec.5, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, near center of span on downstream side of bridge on Ehrlich Road, 3.4 mi upstream from mouth, and 6.1 mi northwest of Sulphur Springs.
DRAINAGE AREA.--6.2 mi^2.
PERIOD OF RECORD.--May 1946 to March 1953, April 1980 to October 1981, October 1987 to September 1996 (miscellaneous measurements only); October 1996 to current year (gage heights and miscellaneous discharge measurements only).
GAGE.--Water-stage recorder. Datum of gage is 30.00 ft above National Geodetic Vertical Datum of 1929 (Hillsborough County bench mark). Prior to Oct. 1, 1996, nonrecording gage at present site at present datum.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.35 ft, Dec. 27, 1997; dry many days some years.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.82 ft, Sept. 14; dry many days.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.80	---	6.19	---	6.29	---	7.13	---	---	8.47	---	6.14
2	6.76	---	6.22	---	6.08	---	6.73	---	---	7.67	---	6.11
3	6.73	---	6.19	---	6.10	---	6.61	---	---	7.17	---	6.21
4	6.67	---	6.18	---	6.22	---	6.60	---	---	6.94	---	6.40
5	6.63	---	6.25	---	6.07	6.35	6.52	---	---	6.83	---	6.47
6	6.59	---	---	---	---	6.01	6.47	---	5.99	6.79	---	7.51
7	6.56	---	---	---	---	5.94	6.40	---	6.11	6.76	---	9.43
8	6.53	---	---	---	---	5.96	6.34	---	6.08	6.71	---	8.08
9	6.47	6.14	---	5.93	---	6.15	6.30	---	5.97	---	---	7.63
10	6.43	6.26	---	5.92	---	---	6.26	---	5.91	---	---	7.39
11	6.40	---	---	5.97	---	---	6.18	---	6.13	---	---	7.22
12	6.38	---	---	5.94	---	---	6.08	---	6.17	---	---	7.11
13	6.34	---	---	5.90	---	---	6.09	---	---	---	---	7.00
14	6.29	---	---	5.94	---	---	---	---	---	---	---	10.18
15	---	---	---	5.99	---	---	---	---	---	---	---	10.70
16	---	---	---	5.97	---	---	---	---	---	---	---	9.19
17	---	---	---	---	---	---	---	---	---	---	---	8.68
18	---	---	---	---	---	---	---	---	---	---	---	8.23
19	---	---	---	---	---	6.70	---	---	---	---	---	7.81
20	---	---	---	---	---	6.57	---	---	---	---	---	7.40
21	---	---	---	---	---	6.34	---	---	---	---	---	7.21
22	---	---	---	---	---	6.18	---	---	---	---	6.57	7.07
23	---	---	---	---	---	6.26	---	---	---	---	6.53	6.90
24	---	---	---	---	---	---	---	---	---	---	6.49	6.86
25	---	---	---	---	---	---	---	---	---	---	6.46	7.12
26	---	6.34	---	---	---	---	---	---	6.34	---	6.42	6.86
27	---	6.25	---	---	---	---	---	---	6.38	---	6.38	6.84
28	---	6.16	---	---	---	---	---	---	7.40	---	6.34	6.70
29	---	6.15	---	---	---	7.17	---	---	7.83	---	6.11	6.69
30	---	6.15	---	---	---	7.55	---	---	7.77	---	6.20	6.69
31	---	---	---	---	---	7.37	---	---	---	---	6.31	---
MEAN	6.54	6.21	6.21	5.94	6.15	6.50	6.44	---	6.51	7.17	6.38	7.46
MAX	6.80	6.34	6.25	5.99	6.29	7.55	7.13	---	7.83	8.47	6.57	10.70
MIN	6.29	6.14	6.18	5.90	6.07	5.94	6.08	---	5.91	6.71	6.11	6.11

02306950 BRUSHY CREEK NEAR CITRUS PARK, FL

LOCATION.--Lat 28°03'53", long 82°33'20", in SW¼ sec.12, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on right bank, 200 ft upstream from culverts on Gunn Highway (State Highway 587), 0.45 mi west of Anderson Road, 1.8 mi southeast of Citrus Park, and 6.0 mi upstream from mouth.
DRAINAGE AREA.--Undetermined.
PERIOD OF RECORD.--May 1946 to October 1981 (miscellaneous discharge measurements only); June 1993 to current year.
GAGE.--Water-stage recorder. Datum of gage is 17.32 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	.74	1.5	1.1	.90	.16	38	.10	.07	118	36	4.1
2	4.8	.71	1.2	1.1	1.9	.18	21	.09	.07	80	49	4.1
3	4.1	.70	1.2	1.0	1.4	.17	11	.09	.05	55	143	4.2
4	3.7	e.68	1.1	1.0	2.3	.83	5.6	.08	.06	34	81	4.3
5	3.3	e.67	1.1	1.3	1.7	4.3	5.9	.07	.11	27	60	7.9
6	3.0	e.65	1.0	3.0	2.3	1.3	8.0	.07	.10	14	47	58
7	2.7	.63	1.0	2.8	2.3	.69	3.2	.07	.18	7.8	35	267
8	2.4	.63	.98	2.1	.79	.48	2.1	.07	.81	18	34	201
9	2.1	.71	.95	1.6	.61	.38	1.7	.07	.50	17	38	133
10	1.9	.74	.92	1.3	.54	.38	1.5	.07	.26	23	66	96
11	1.6	.82	.92	3.7	.48	.37	1.3	.08	.15	75	43	55
12	2.1	.82	.98	3.5	.45	.29	1.1	.08	.10	97	31	27
13	2.2	.76	.95	1.1	.43	.25	.93	.07	.08	53	25	21
14	1.8	.78	.92	.64	.42	.26	.81	.06	.08	34	51	153
15	1.7	.88	.92	1.4	.40	.24	.71	.06	.08	23	38	358
16	1.5	.85	.92	2.8	.39	.25	.60	.06	.08	16	34	204
17	1.4	.83	1.1	.63	.37	.24	.47	.06	.07	15	33	122
18	1.4	.83	1.4	.42	.33	.21	.39	.06	.06	15	27	89
19	1.2	.86	1.3	.41	.30	1.2	.33	.06	.07	13	17	76
20	1.2	.89	1.2	.44	.27	11	.29	.06	.07	9.0	12	62
21	1.1	.87	1.1	.34	.26	8.5	.30	.06	.08	17	7.4	53
22	1.1	.82	1.1	.61	.24	2.9	.28	.06	.08	72	4.6	45
23	.98	.80	1.1	.79	.23	1.3	.23	.05	.09	76	4.0	36
24	.94	.81	1.0	.50	.22	.93	.21	.05	.09	111	3.9	26
25	.96	.93	1.0	.40	.20	2.0	.21	.05	.08	67	3.8	24
26	e.94	1.5	.98	.35	.19	4.3	.23	.05	.07	57	3.8	23
27	.91	1.8	.95	.32	.18	2.3	.18	.05	.11	57	3.8	30
28	.82	1.6	1.0	.31	.17	.62	.14	.05	9.8	60	3.9	28
29	.80	3.4	1.3	.29	---	5.6	.11	.05	111	59	3.9	23
30	.78	4.0	1.3	.28	---	60	.10	.04	82	62	4.0	17
31	.76	---	1.2	.28	---	27	---	.05	---	40	4.1	---
TOTAL	59.89	31.71	33.59	35.81	20.27	138.63	106.92	1.99	206.45	1421.8	947.2	2251.6
MEAN	1.93	1.06	1.08	1.16	.72	4.47	3.56	.064	6.88	45.9	30.6	75.1
MAX	5.7	4.0	1.5	3.7	2.3	60	38	.10	111	118	143	358
MIN	.76	.63	.92	.28	.17	.16	.10	.04	.05	7.8	3.8	4.1

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	16.3	10.1	22.7	16.8	20.5	13.5	5.77	2.52	12.7	24.9	28.8	38.4
MAX	41.6	56.7	152	82.5	125	78.8	13.2	5.48	23.2	45.9	39.4	76.4
(WY)	1996	1998	1998	1998	1998	1998	1998	1997	1995	2001	2000	1998
MIN	1.93	1.06	1.08	1.16	.72	.46	.091	.028	1.24	8.29	13.8	14.7
(WY)	2001	2001	2001	2001	2001	2000	2000	2000	1998	1996	1996	1996

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1994 - 2001**	
ANNUAL TOTAL	3860.27		5255.86			
ANNUAL MEAN	10.5		14.4		17.7	
HIGHEST ANNUAL MEAN					56.3	1998
LOWEST ANNUAL MEAN					8.66	1999
HIGHEST DAILY MEAN	191	Sep 20	358	Sep 15	542	Dec 27 1997
LOWEST DAILY MEAN	.00	Many Days	.04	May 30	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	May 26	.05	May 24	.00	May 26 2000
MAXIMUM PEAK FLOW			379	Sep 15	775	Dec 27 1997
MAXIMUM PEAK STAGE			8.71	Sep 15	12.92	Dec 27 1997
10 PERCENT EXCEEDS	31		52		45	
50 PERCENT EXCEEDS	1.3		1.0		5.5	
90 PERCENT EXCEEDS	.04		.08		.43	

02306950 BRUSHY CREEK NEAR CITRUS PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	2.38	2.44	2.39	2.53	2.36	3.64	2.28	2.27	5.12	3.77	2.71
2	2.81	2.37	2.41	2.38	2.67	2.37	3.32	2.27	2.27	4.53	3.99	2.70
3	2.76	2.37	2.40	2.38	2.61	2.37	3.04	2.27	2.26	4.10	5.58	2.70
4	2.74	---	2.39	2.37	2.71	2.49	2.83	2.27	2.26	3.77	4.53	2.70
5	2.70	---	2.38	2.41	2.65	2.84	2.84	2.27	2.29	3.68	4.13	2.70
6	2.68	---	2.38	2.58	2.71	2.61	2.95	2.27	2.29	3.39	3.90	2.76
7	2.66	2.35	2.37	2.58	2.70	2.51	2.69	2.27	2.31	3.21	3.72	5.14
8	2.63	2.35	2.37	2.54	2.53	2.47	2.60	2.27	2.49	3.56	3.70	4.48
9	2.60	2.36	2.36	2.51	2.50	2.44	2.57	2.27	2.43	3.56	3.75	3.85
10	2.57	2.36	2.36	2.48	2.48	2.44	2.54	2.27	2.36	3.71	4.19	3.61
11	2.55	2.37	2.36	2.71	2.47	2.44	2.52	2.27	2.32	4.63	3.78	3.22
12	2.60	2.38	2.37	2.71	2.46	2.41	2.49	2.27	2.29	5.03	3.60	3.18
13	2.60	2.36	2.37	2.49	2.45	2.40	2.47	2.27	2.28	4.18	3.49	3.25
14	2.56	2.36	2.36	2.45	2.45	2.40	2.45	2.27	2.28	3.87	3.86	5.44
15	2.54	2.37	2.36	2.55	2.45	2.40	2.43	2.26	2.28	3.65	3.68	8.46
16	2.51	2.37	2.36	2.72	2.44	2.40	2.41	2.26	2.27	3.49	3.60	6.40
17	2.51	2.37	2.39	2.49	2.44	2.40	2.39	2.26	2.27	3.46	3.57	5.11
18	2.51	2.37	2.42	2.45	2.43	2.39	2.37	2.26	2.26	3.44	3.47	4.50
19	2.48	2.37	2.41	2.45	2.42	2.53	2.36	2.26	2.27	3.37	3.23	4.25
20	2.47	2.37	2.40	2.46	2.41	3.12	2.34	2.26	2.27	3.21	3.09	3.97
21	2.46	2.36	2.39	2.43	2.40	3.04	2.35	2.26	2.27	3.33	2.92	3.79
22	2.45	2.35	2.39	2.49	2.40	2.73	2.34	2.26	2.28	4.49	2.79	3.68
23	2.44	2.35	2.39	2.53	2.39	2.59	2.33	2.26	2.29	4.54	2.75	3.53
24	2.43	2.35	2.38	2.47	2.39	2.52	2.33	2.25	2.28	5.19	2.73	3.34
25	2.43	2.36	2.38	2.44	2.38	2.63	2.33	2.26	2.28	4.35	2.73	3.31
26	---	2.44	2.37	2.43	2.38	2.81	2.33	2.26	2.27	4.15	2.72	3.29
27	2.42	2.47	2.37	2.42	2.37	2.63	2.31	2.26	2.29	4.14	2.71	3.43
28	2.40	2.45	2.38	2.42	2.37	2.43	2.29	2.26	2.69	4.20	2.71	3.39
29	2.40	2.60	2.42	2.41	---	2.70	2.29	2.25	4.92	4.17	2.71	3.28
30	2.39	2.64	2.42	2.41	---	4.04	2.28	2.25	4.47	4.21	2.71	3.13
31	2.38	---	2.40	2.41	---	3.47	---	2.25	---	3.84	2.71	---
MEAN	2.55	2.39	2.39	2.48	2.49	2.63	2.55	2.26	2.47	3.99	3.45	3.84
MAX	2.85	2.64	2.44	2.72	2.71	4.04	3.64	2.28	4.92	5.19	5.58	8.46
MIN	2.38	2.35	2.36	2.37	2.37	2.36	2.28	2.25	2.26	3.21	2.71	2.70

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 right bank, 75 ft upstream from concrete control, 2.8 mi downstream from Brushy Creek, 5.8 mi upstream from mouth, and 7.4 mi west of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.
DRAINAGE AREA.--35 mi^2, approximately.
PERIOD OF RECORD.--January 1953 to current year.
REVISED RECORDS.--WSP 1905: 1953-65(P).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Mar. 23, 1971, at site 1,500 ft upstream at datum 0.15 ft lower.
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	2.6	1.8	1.0	3.3	2.0	37	.00	1.3	89	43	6.2
2	21	2.4	.92	1.3	6.1	2.0	27	.00	1.3	74	58	3.7
3	20	2.4	.99	1.5	4.6	1.9	17	.00	.93	52	157	2.8
4	17	2.5	.64	1.8	6.7	10	9.0	.00	.62	41	124	2.2
5	12	2.7	.49	1.6	7.0	21	8.3	.00	11	36	94	1.7
6	11	2.8	.50	4.1	6.2	15	11	.00	7.9	28	80	6.3
7	10	2.8	.49	4.8	9.7	8.5	7.3	.00	3.4	26	71	77
8	9.2	2.5	.50	6.1	4.6	6.4	4.4	.00	4.2	36	66	77
9	7.7	2.7	.25	3.7	3.8	5.1	3.8	.01	3.5	37	64	44
10	6.4	2.9	.46	3.2	3.5	4.6	3.2	.09	3.1	35	85	37
11	4.6	2.9	.55	5.6	3.2	4.5	2.8	.45	2.8	44	68	24
12	4.0	3.0	.54	8.7	2.0	3.9	2.5	.75	2.2	106	54	21
13	4.2	3.0	.97	4.4	2.0	3.5	2.2	1.0	1.8	58	47	23
14	3.8	2.9	.99	2.1	2.0	3.5	2.0	.73	2.0	41	57	108
15	3.2	2.0	1.3	2.2	1.9	3.2	1.8	.49	1.8	31	48	183
16	2.8	1.9	1.3	7.5	2.0	3.4	1.7	.75	1.6	23	39	183
17	2.5	1.6	2.3	3.8	2.3	3.3	1.2	.74	1.5	17	35	181
18	2.6	1.3	1.9	2.0	2.0	3.2	.91	.75	1.7	16	31	164
19	2.4	1.3	2.2	1.9	2.0	15	1.0	.77	1.5	14	28	145
20	2.4	1.3	1.4	1.4	1.7	31	1.0	.54	3.3	11	20	126
21	2.5	1.5	.68	1.0	1.5	32	.33	.99	3.8	13	17	113
22	2.5	1.5	.54	.55	1.5	19	.00	.99	3.3	55	11	102
23	2.7	1.4	.86	1.0	1.7	8.9	.00	1.2	3.4	59	10	91
24	2.5	1.0	1.2	.47	1.9	5.8	.00	1.2	3.3	111	7.3	84
25	2.7	2.0	1.1	.69	2.0	5.3	.04	.82	2.3	68	4.9	78
26	2.5	3.4	1.7	1.0	2.1	13	.04	.62	1.8	49	4.1	70
27	2.7	3.7	2.0	1.0	2.1	10	.00	.30	2.5	46	3.7	66
28	2.5	3.3	2.2	1.0	2.2	3.1	.00	.21	14	47	3.1	62
29	2.7	3.3	1.9	1.0	---	17	.00	.24	65	47	2.7	55
30	2.8	4.6	1.5	1.0	---	60	.00	.30	48	51	2.5	48
31	2.5	---	.95	1.3	---	36	---	.34	---	36	12	---
TOTAL	200.4	73.2	35.12	78.71	91.6	361.1	145.52	14.28	204.85	1397	1347.3	2184.9
MEAN	6.46	2.44	1.13	2.54	3.27	11.6	4.85	.46	6.83	45.1	43.5	72.8
MAX	25	4.6	2.3	8.7	9.7	60	37	1.2	65	111	157	183
MIN	2.4	1.0	.25	.47	1.5	1.9	.00	.00	.62	11	2.5	1.7
CFSM	.18	.07	.03	.07	.09	.33	.14	.01	.20	1.29	1.24	2.08
IN.	.21	.08	.04	.08	.10	.38	.15	.02	.22	1.48	1.43	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	37.2	16.6	21.3	23.3	28.4	41.6	21.5	13.8	22.7	43.8	85.5	94.1
MAX	139	128	327	196	259	298	110	148	123	224	290	396
(WY)	1996	1998	1998	1998	1998	1960	1987	1979	1982	1960	1959	1979
MIN	2.21	1.11	1.13	2.35	2.48	.70	.27	.46	.21	1.86	4.33	8.31
(WY)	1971	1979	2001	1957	1957	2000	1967	2001	2000	1955	1993	1972

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1954 - 2001**	
ANNUAL TOTAL	5209.36		6133.98			
ANNUAL MEAN	14.2		16.8		37.5	
HIGHEST ANNUAL MEAN					119	1998
LOWEST ANNUAL MEAN					4.73	1956
HIGHEST DAILY MEAN	215	Sep 20	183	Sep 15	2290	Mar 17 1960
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 15	.00	Apr 27	.00	Apr 7 1967
MAXIMUM PEAK FLOW			183	Sep 14	2840	Jul 29 1960
MAXIMUM PEAK STAGE			6.28	Sep 15	17.18	Jul 29 1960
ANNUAL RUNOFF (CFSM)	.41		.48		1.07	
ANNUAL RUNOFF (INCHES)	5.54		6.52		14.57	
10 PERCENT EXCEEDS	49		57		93	
50 PERCENT EXCEEDS	2.2		2.9		13	
90 PERCENT EXCEEDS	.00		.54		2.3	

02307032 DOUBLE BRANCH AT COUNTRYWAY BOULEVARD NEAR OLDSMAR, FL

LOCATION.--Lat 28°03'02", long 82°37'37", in NW $\frac{1}{4}$ sec.17, T.28 S., R.17E., Hillsborough County, Hydrologic Unit 03100206, on right bank, on downstream side of culvert, on Countryway Boulevard, and 2.5 mi northeast of Oldsmar.
DRAINAGE AREA.--0.90 mi^2.
PERIOD OF RECORD.--May to September 2001 (gage heights only).
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Hillsborough County).
EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 10.38 ft, June 28; minimum, 4.18 ft, June 17, 18, 19.

GAGE HEIGHT, FEET, PERIOD MAY TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	4.20	7.26	6.48	4.49
2	---	---	---	---	---	---	---	---	4.23	6.66	6.43	4.32
3	---	---	---	---	---	---	---	---	4.22	5.84	7.24	4.32
4	---	---	---	---	---	---	---	4.22	4.21	5.69	6.52	4.30
5	---	---	---	---	---	---	---	4.22	4.56	5.38	6.08	4.47
6	---	---	---	---	---	---	---	4.20	4.97	5.14	5.92	4.94
7	---	---	---	---	---	---	---	4.20	4.91	5.65	6.34	4.92
8	---	---	---	---	---	---	---	4.20	4.75	5.84	5.81	4.73
9	---	---	---	---	---	---	---	4.21	4.54	5.43	5.66	4.60
10	---	---	---	---	---	---	---	4.21	4.41	5.42	---	4.51
11	---	---	---	---	---	---	---	4.21	4.32	6.75	---	4.49
12	---	---	---	---	---	---	---	4.22	4.27	6.42	---	4.48
13	---	---	---	---	---	---	---	4.23	4.24	5.86	---	4.58
14	---	---	---	---	---	---	---	4.23	4.22	5.55	5.80	8.87
15	---	---	---	---	---	---	---	4.23	4.20	5.37	5.34	9.32
16	---	---	---	---	---	---	---	4.21	4.20	5.08	5.20	8.15
17	---	---	---	---	---	---	---	4.21	4.19	4.95	4.75	---
18	---	---	---	---	---	---	---	4.20	4.19	4.86	4.89	6.39
19	---	---	---	---	---	---	---	4.20	4.19	4.75	4.90	5.98
20	---	---	---	---	---	---	---	4.20	4.20	4.70	4.99	5.62
21	---	---	---	---	---	---	---	4.21	4.25	7.01	4.95	5.37
22	---	---	---	---	---	---	---	4.22	4.41	7.82	4.67	5.24
23	---	---	---	---	---	---	---	4.22	4.58	7.41	4.74	---
24	---	---	---	---	---	---	---	4.22	4.74	7.64	5.05	4.96
25	---	---	---	---	---	---	---	4.22	4.70	6.74	4.87	4.99
26	---	---	---	---	---	---	---	4.22	4.54	6.43	4.74	4.93
27	---	---	---	---	---	---	---	4.22	5.72	6.01	---	4.94
28	---	---	---	---	---	---	---	4.21	8.09	5.79	4.43	4.88
29	---	---	---	---	---	---	---	4.21	8.22	5.88	4.55	4.81
30	---	---	---	---	---	---	---	4.20	6.87	5.61	4.64	4.70
31	---	---	---	---	---	---	---	4.19	---	5.59	4.54	---
MEAN	---	---	---	---	---	---	---	4.21	4.78	5.95	5.37	5.30
MAX	---	---	---	---	---	---	---	4.23	8.22	7.82	7.24	9.32
MIN	---	---	---	---	---	---	---	4.19	4.19	4.70	4.43	4.30

TAMPA BAY AND COASTAL AREAS

02307200 BROOKER CREEK AT VAN DYKE ROAD NEAR CITRUS PARK, FL

LOCATION.--Lat 28°07'34", long 82°34'14", in NE¼ sec.23, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, at left wingwall on downstream side of box culverts on State Highway 685A (Van Dyke Road), 0.3 mi east of State Highway 587, and 3.4 mi north of Citrus Park.
DRAINAGE AREA.--5.01 mi^2.
PERIOD OF RECORD.--April 1981 to current year. Prior to October 1984, mean daily discharges published in U. S. Geological Survey Open-File Report 86-55.
GAGE.--Water-stage recorder. Datum of gage is 30.72 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.8	1.1
2	5.3	.00	.00	.00	.00	.00	.00	.00	.00	.00	11	.98
3	4.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	18	.92
4	4.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	19	.76
5	3.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	18	.62
6	3.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	16	.55
7	2.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	17	.82
8	2.3	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	1.0
9	1.9	.00	.00	.00	.00	.00	.00	.00	.00	.00	13	2.6
10	1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	11	4.0
11	1.2	.00	.00	.00	.00	.00	.00	.00	.00	.02	9.5	4.3
12	.99	.00	.00	.00	.00	.00	.00	.00	.00	.08	8.0	4.2
13	.77	.00	.00	.00	.00	.00	.00	.00	.00	.05	8.8	4.1
14	.63	.00	.00	.00	.00	.00	.00	.00	.00	.03	11	16
15	.50	.00	.00	.00	.00	.00	.00	.00	.00	.01	8.8	43
16	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.7	42
17	.31	.00	.00	.00	.00	.00	.00	.00	.00	.02	6.7	36
18	.26	.00	.00	.00	.00	.00	.00	.00	.00	.12	5.6	31
19	.21	.00	.00	.00	.00	.00	.00	.00	.00	.11	4.8	26
20	.18	.00	.00	.00	.00	.00	.00	.00	.00	.07	4.1	23
21	.13	.00	.00	.00	.00	.00	.00	.00	.00	.60	3.4	19
22	.10	.00	.00	.00	.00	.00	.00	.00	.00	2.6	3.0	17
23	.07	.00	.00	.00	.00	.00	.00	.00	.00	3.1	2.6	15
24	.04	.00	.00	.00	.00	.00	.00	.00	.00	4.2	2.3	13
25	.02	.00	.00	.00	.00	.00	.00	.00	.00	3.3	2.0	12
26	.01	.00	.00	.00	.00	.00	.00	.00	.00	4.1	1.7	11
27	.01	.00	.00	.00	.00	.00	.00	.00	.00	6.8	1.5	9.5
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.9	1.3	8.5
29	.00	.00	.00	.00	---	.00	.00	.00	.00	7.7	1.1	7.4
30	.00	.00	.00	.00	---	.00	.00	.00	.00	7.1	1.2	6.5
31	.00	---	.00	.00	---	.00	---	.00	---	7.0	1.2	---
TOTAL	40.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.91	242.1	361.85
MEAN	1.31	.000	.000	.000	.000	.000	.000	.000	.000	1.80	7.81	12.1
MAX	6.0	.00	.00	.00	.00	.00	.00	.00	.00	8.9	19	43
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.1	.55
AC-FT	80	.00	.00	.00	.00	.00	.00	.00	.00	111	480	718

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

MEAN	3.67	1.67	2.89	3.05	3.33	4.36	2.38	.25	1.17	2.72	5.42	9.69
MAX	14.4	13.9	34.3	17.7	20.5	19.0	16.1	1.46	16.9	15.4	17.8	41.5
(WY)	1996	1998	1998	1998	1998	1987	1987	1991	1982	1982	1982	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1985	1985	1985	1985	1985	1985	1985	1985	1985	1988	1992	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1982 - 2001**	
ANNUAL TOTAL	511.81		700.39			
ANNUAL MEAN	1.40		1.92		3.38	
HIGHEST ANNUAL MEAN					11.7	1998
LOWEST ANNUAL MEAN					.30	1992
HIGHEST DAILY MEAN	20	Sep 20	43	Sep 15	200	Sep 9 1988
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 28	.00	Nov 26 1981
MAXIMUM PEAK FLOW			47	Sep 15	208	Sep 9 1988
MAXIMUM PEAK STAGE			19.82	Sep 15	21.53	Sep 9 1988
ANNUAL RUNOFF (AC-FT)	1020		1390		2450	
10 PERCENT EXCEEDS	5.3		6.9		10	
50 PERCENT EXCEEDS	.00		.00		.36	
90 PERCENT EXCEEDS	.00		.00		.00	

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 upstream from mouth, and 5 mi southeast of Tarpon Springs.
DRAINAGE AREA.--30 mi^2, approximately.

WATER-DISCHARGE RECORDS

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	.00	.00	.00	.03	.02	3.7	.00	.00	2.1	25	2.2
2	6.6	.00	.01	.00	.06	.02	4.3	.00	.00	3.2	21	1.6
3	5.2	.00	.00	.00	.08	.01	3.8	.00	.00	1.2	30	1.3
4	4.1	.00	.00	.00	.10	.16	2.9	.00	.00	4.3	40	1.1
5	3.5	.00	.00	.00	.08	.33	2.1	.00	.00	7.7	42	1.5
6	2.9	.00	.00	.00	.07	.18	1.6	.00	.00	9.0	40	3.7
7	2.3	.00	.00	.00	.06	.10	1.2	.00	.00	11	46	2.6
8	1.8	.00	.00	.00	.05	.08	.96	.00	.00	12	40	1.8
9	1.3	.00	.00	.00	.05	.07	.70	.00	.00	11	33	4.2
10	.78	.02	.00	.00	.05	.12	.53	.00	.00	13	25	5.5
11	.47	.02	.00	.00	.06	.10	.40	.00	.00	27	18	5.2
12	.28	.01	.00	.00	.05	.09	.30	.00	.00	35	14	5.0
13	.16	.00	.00	.00	.05	.08	.21	.00	.00	33	11	3.9
14	.09	.01	.00	.00	.04	.08	.15	.00	.00	24	8.3	33
15	.07	.01	.00	.00	.04	.07	.11	.00	.00	17	6.4	139
16	.05	.00	.00	.00	.05	.07	.07	.00	.00	12	6.4	147
17	.03	.00	.00	.00	.05	.07	.03	.00	.00	11	6.3	112
18	.02	.00	.00	.00	.05	.06	.01	.00	.00	10	5.8	80
19	.02	.00	.00	.00	.04	.59	.00	.00	.00	8.6	5.3	57
20	.01	.00	.00	.00	.04	.95	.00	.00	.00	7.1	4.6	42
21	.00	.00	.00	.00	.03	.46	.00	.00	.00	14	3.8	32
22	.00	.00	.00	.00	.03	.31	.00	.00	.00	62	3.1	24
23	.00	.00	.00	.00	.03	.22	.00	.00	.00	95	2.5	18
24	.00	.00	.00	.00	.03	.18	.00	.00	.00	102	2.1	14
25	.00	.00	.00	.00	.03	.14	.00	.00	.00	86	1.4	14
26	.00	.00	.00	.00	.03	.10	.00	.00	.00	63	1.0	13
27	.00	.02	.00	.00	.03	.08	.00	.00	.00	43	.82	13
28	.00	.02	.00	.00	.02	.07	.00	.00	.46	32	.35	13
29	.00	.01	.00	.00	---	.84	.00	.00	.81	28	.20	12
30	.00	.01	.00	.00	---	4.5	.00	.00	.84	33	.88	10
31	.00	---	.00	.00	---	3.1	---	.00	---	30	2.3	---
TOTAL	38.28	0.13	0.01	0.00	1.33	13.25	23.07	0.00	2.11	847.2	446.55	812.6
MEAN	1.23	.004	.000	.000	.048	.43	.77	.000	.070	27.3	14.4	27.1
MAX	8.6	.02	.01	.00	.10	4.5	4.3	.00	.84	102	46	147
MIN	.00	.00	.00	.00	.02	.01	.00	.00	.00	1.2	.20	1.1
CFSM	.04	.00	.00	.00	.00	.01	.03	.00	.00	.91	.48	.90
IN.	.05	.00	.00	.00	.00	.02	.03	.00	.00	1.05	.55	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	20.1	6.79	9.38	11.2	15.2	24.2	11.4	2.86	5.55	18.6	43.0	49.5
MAX	80.1	33.4	159	85.9	140	255	101	49.0	92.6	152	276	279
(WY)	1954	1998	1998	1998	1998	1960	1959	1979	1974	1960	1959	1959
MIN	.012	.002	.000	.000	.047	.012	.000	.000	.000	.001	.019	.69
(WY)	1973	1979	2001	2001	2001	2000	1956	1956	1951	1971	1993	1993

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1951 - 2001**	
ANNUAL TOTAL	2087.66		2184.53			
ANNUAL MEAN	5.70		5.99		18.2	
HIGHEST ANNUAL MEAN					86.8	1959
LOWEST ANNUAL MEAN					1.97	1992
HIGHEST DAILY MEAN	162	Aug 13	147	Sep 16	1540	Mar 17 1960
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 8	.00	Oct 21	.00	May 17 1951
MAXIMUM PEAK FLOW			164	Sep 15	1600	Mar 17 1960
MAXIMUM PEAK STAGE			11.63	Sep 15	13.32	Mar 17 1960
ANNUAL RUNOFF (CFSM)	.19		.20		.61	
ANNUAL RUNOFF (INCHES)	2.59		2.71		8.23	
10 PERCENT EXCEEDS	15		15		48	
50 PERCENT EXCEEDS	.00		.03		2.8	
90 PERCENT EXCEEDS	.00		.00		.00	

02307359 BROOKER CREEK NEAR TARPON SPRINGS, FL--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
13...	1016	7.43	<.01	30	2.4	6.6	334	17.4	33.0	4.20	3.30	24.0	50.0
FEB													
08...	0800	7.52	.05	160	4.0	6.9	419	13.4	41.0	4.90	3.80	31.0	66.0
JUL													
02...	0820	8.56	3.6	100	3.6	6.5	395	25.3	37.0	3.20	2.70	33.0	71.0
AUG													
09...	0759	10.06	36	480	2.8	5.7	158	25.5	16.9	2.23	2.70	11.7	23.8
SEP													
06...	0809	8.49	4.1	280	2.7	5.8	253	25.3	26.0	3.00	2.70	19.0	41.0
10...	0849	8.66	5.5	320	3.1	5.7	180	25.0	17.0	2.50	2.40	15.0	32.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
NOV											
13...	.1	6.5	21.0	245	1.3	.11	.1	.01	.050	.100	100
FEB											
08...	.1	4.8	21.0	310	1.1	.06	<.02	<.01	.020	<.020	110
JUL											
02...	.1	3.7	25.0	278	1.1	.06	.1	<.01	.020	.060	100
AUG											
09...	.2	8.1	5.2	186	1.8	.03	M	<.01	.030	.040	54.8
SEP											
06...	.1	9.1	11.0	236	1.9	.08	M	<.01	.030	.030	77.0
10...	.2	11.0	5.2	215	1.9	.04	<.02	<.01	.030	<.020	56.0

Remark codes used in this report:

Null value remark codes used in this report:
M -- Presence verified, not quantified

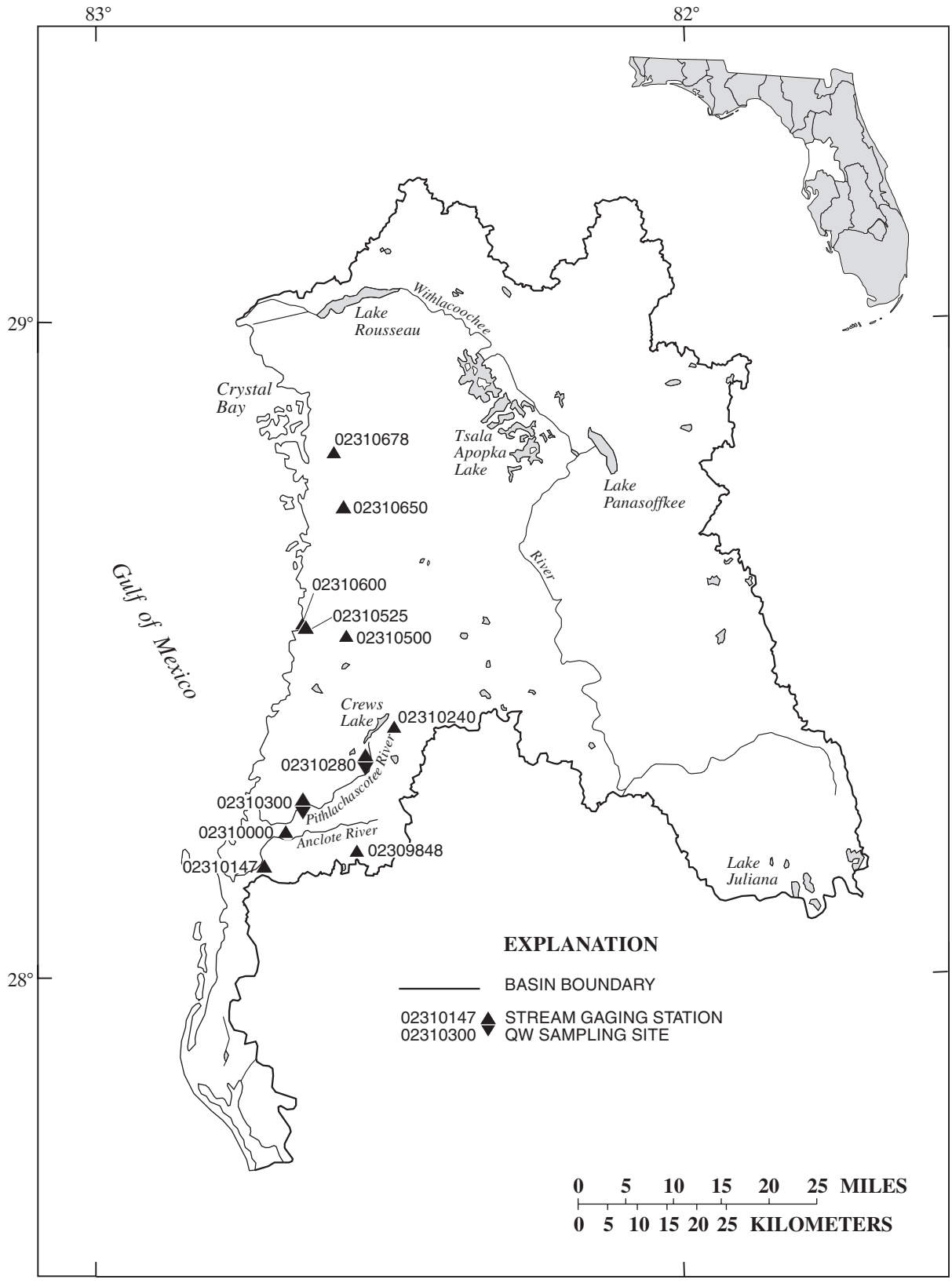

Figure 16.--Location of stream gaging stations in the Coastal area from Tampa Bay to Withlacoochee River.

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02309848 SOUTH BRANCH ANCLOTE RIVER NEAR ODESSA, FL

LOCATION.--Lat 28°11'08", long 82°33'13", in SE¼ sec.36 (corrected), T.26 S., R.17 E., Pasco County, Hydrologic Unit 03100207, near left bank, 15 ft (corrected) downstream from bridge on State Highway 54, 2.5 mi east of Odessa, 3.0 mi upstream from unnamed tributary, and 5.2 mi upstream from mouth.
DRAINAGE AREA.--17.1 mi^2.
PERIOD OF RECORD.--February 1970 to current year.
GAGE.--Water-stage recorder. Datum of gage is 46.22 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 17, 1971, at site 30 ft upstream at same datum.
REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	.00	.00	.00	.00	.00	.00	.00	.00	.08	2.6	.00
2	1.4	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.1	.00
3	1.2	.00	.00	.00	.00	.00	.00	.00	.00	.00	20	.00
4	1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	28	.00
5	.96	.00	.00	.00	.00	.00	.00	.00	.00	.00	13	.00
6	.84	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.0	.00
7	.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.9	.00
8	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.2	.00
9	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.1	.00
10	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.6	.00
11	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0	.00
12	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.5	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.6	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.8	20
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.5	148
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.3	95
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	43
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.87	17
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.78	9.9
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.66	6.2
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.52	4.1
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.39	3.0
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.4	.26	2.2
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0	.14	1.8
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	11	.06	1.6
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	28	.00	1.4
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.2	.00	1.5
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.9	.00	1.4
29	.00	.00	.00	.00	---	.00	.00	.00	.00	2.9	.00	1.2
30	.00	.00	.00	.00	---	.00	.00	.00	.08	1.8	.00	1.0
31	.00	---	.00	.00	---	.00	---	.00	---	2.1	.00	---
TOTAL	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	61.78	108.88	358.30
MEAN	.30	.000	.000	.000	.000	.000	.000	.000	.003	1.99	3.51	11.9
MAX	1.7	.00	.00	.00	.00	.00	.00	.00	.08	28	28	148
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

MEAN	2.56	1.22	1.78	1.83	3.11	3.12	1.48	.83	1.67	2.87	6.88	12.9
MAX	11.5	28.1	38.3	30.9	47.2	30.4	18.1	16.2	22.9	16.3	34.2	79.8
(WY)	1980	1998	1998	1998	1998	1998	1987	1979	1974	1987	1979	1998
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1971	1971	1971	1971	1976	1976	1971	1971	1971	1972	1972	1972

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1971 - 2001**	
ANNUAL TOTAL	568.31		538.24			
ANNUAL MEAN	1.55		1.47		3.34	
HIGHEST ANNUAL MEAN					23.8	1998
LOWEST ANNUAL MEAN					.59	1992
HIGHEST DAILY MEAN	89	Sep 20	148	Sep 15	287	Sep 24 1998
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 13	.00	Oct 1 1970
MAXIMUM PEAK FLOW			174	Sep 15	330	Sep 23 1998
MAXIMUM PEAK STAGE			4.72	Sep 15	5.26	Sep 23 1998
10 PERCENT EXCEEDS	3.0		1.5		6.4	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310000 ANCLOTE RIVER NEAR ELFERS, 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 downstream from bridge on State Highway 54, 3.5 mi east of Elfers, and 16 mi upstream from mouth.
DRAINAGE AREA.--72.5 mi^2.
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 fair except those for estimated daily discharges, which are poor.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 27.7 ft, Aug. 8 or 9, 1945, from information by local residents and floodmarks; discharge, 5,000 ft^3/s, from rating curve extended above 3,700 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	4.7	4.8	4.2	5.5	3.7	4.5	2.4	2.5	4.6	38	16
2	15	4.7	4.7	4.3	4.6	3.7	4.3	2.3	2.5	4.4	33	13
3	14	4.7	4.6	4.2	4.4	3.7	4.1	2.3	2.6	3.9	40	15
4	13	4.6	4.7	4.1	4.3	4.0	4.0	2.3	2.6	4.2	56	12
5	13	4.7	4.6	4.3	4.2	4.1	4.0	2.3	2.5	4.3	57	11
6	e12	4.7	4.6	4.1	4.1	4.0	3.8	2.2	2.6	4.5	49	9.9
7	e11	4.7	4.5	4.1	4.0	3.8	3.8	2.2	2.6	4.3	38	9.5
8	e11	4.6	4.5	4.2	3.9	3.7	3.7	2.2	2.6	3.8	32	12
9	e10	4.6	4.5	4.2	3.8	3.8	3.7	2.1	2.6	3.6	26	18
10	e10	4.8	4.5	4.2	3.9	3.8	3.6	2.1	2.6	3.9	23	15
11	e10	4.8	4.6	3.9	3.9	3.8	3.5	2.1	2.6	6.2	21	13
12	e9.4	4.7	4.7	4.0	3.9	3.8	3.5	2.2	2.6	5.7	18	11
13	e9.0	4.8	4.4	4.1	3.9	3.8	3.5	2.3	2.6	8.0	16	10
14	e8.6	4.9	4.4	3.9	4.0	3.8	3.4	2.4	2.6	8.2	15	37
15	e8.4	4.9	4.4	3.9	4.0	3.8	3.3	2.3	2.7	5.9	13	98
16	e8.2	4.9	4.4	3.9	3.8	3.8	3.1	2.3	2.7	5.2	15	e133
17	e7.6	4.8	4.5	3.9	3.8	4.0	3.1	2.2	2.7	6.7	17	e144
18	e7.4	4.8	4.5	3.8	3.8	3.9	3.1	2.3	2.7	5.5	17	116
19	e6.8	4.7	4.5	3.8	3.8	4.7	3.0	2.4	2.7	4.6	16	78
20	e6.6	4.7	4.6	3.9	3.7	4.7	3.0	2.4	2.7	4.3	14	54
21	e6.4	4.7	4.6	3.8	3.6	4.2	2.9	2.5	2.9	5.8	13	39
22	e6.2	4.6	4.4	3.8	3.6	4.1	2.9	2.5	3.1	8.1	12	31
23	e6.0	4.6	4.4	3.8	3.7	4.1	2.8	2.4	5.8	15	12	25
24	e5.6	4.6	4.4	3.7	3.6	4.1	2.7	2.3	5.3	16	11	24
25	e5.4	5.0	4.3	3.6	3.7	4.0	2.7	2.3	4.3	18	10	35
26	e5.4	5.5	4.3	3.6	3.8	4.1	2.7	2.4	3.7	31	10	33
27	e5.2	5.3	4.6	3.6	3.7	3.9	2.6	2.3	3.6	60	9.9	32
28	e4.8	5.0	4.7	3.6	3.7	3.8	2.5	2.3	4.9	60	9.7	29
29	e4.6	4.9	5.0	3.7	---	5.6	2.5	2.4	6.2	59	9.5	25
30	e4.6	4.8	4.9	3.6	---	6.4	2.5	2.4	4.9	67	14	21
31	4.9	---	4.5	5.9	---	4.8	---	2.4	---	49	17	---
TOTAL	268.1	143.8	141.1	123.7	110.7	127.5	98.8	71.5	97.0	490.7	682.1	1119.4
MEAN	8.65	4.79	4.55	3.99	3.95	4.11	3.29	2.31	3.23	15.8	22.0	37.3
MAX	18	5.5	5.0	5.9	5.5	6.4	4.5	2.5	6.2	67	57	144
MIN	4.6	4.6	4.3	3.6	3.6	3.7	2.5	2.1	2.5	3.6	9.5	9.5
CFSM	.12	.07	.06	.06	.05	.06	.05	.03	.04	.22	.30	.51
IN.	.14	.07	.07	.06	.06	.07	.05	.04	.05	.25	.35	.57

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	65.5	22.7	32.3	44.2	50.5	77.1	36.8	15.2	24.7	66.6	149	170
MAX	252	150	562	354	462	612	335	245	245	424	557	634
(WY)	1948	1989	1998	1998	1998	1960	1953	1979	1974	1960	1965	1988
MIN	3.18	2.19	2.48	2.36	2.58	2.42	2.17	1.43	1.74	2.34	2.67	7.68
(WY)	1973	1982	1991	1991	1985	1985	1990	1981	1963	1992	1989	1980

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	4123.4		3474.4			
ANNUAL MEAN	11.3		9.52		63.0	
HIGHEST ANNUAL MEAN					228	1959
LOWEST ANNUAL MEAN					8.86	1981
HIGHEST DAILY MEAN	145	Aug 16	144	Sep 17	3710	Jul 30 1960
LOWEST DAILY MEAN	1.6	May 22	2.1	May 9	.80	May 26 1962
ANNUAL SEVEN-DAY MINIMUM	1.7	May 21	2.2	May 6	.91	May 19 1981
MAXIMUM PEAK FLOW			180	Sep 16	3890	Jul 30 1960
MAXIMUM PEAK STAGE			11.90	Sep 16	26.09	Jul 30 1960
ANNUAL RUNOFF (CFSM)	.16		.13		.87	
ANNUAL RUNOFF (INCHES)	2.12		1.78		11.80	
10 PERCENT EXCEEDS	39		18		170	
50 PERCENT EXCEEDS	3.3		4.4		10	
90 PERCENT EXCEEDS	1.9		2.5		2.7	

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310147 HOLLIN CREEK NEAR TARPON SPRINGS, FL

LOCATION.--Lat 28°09'44", long 82°42'38", in SW¼ sec.4, T.27 S., R.16 E., Pinellas County, Hydrologic Unit 03100207, 10 ft upstream from twin box culverts on abandoned railroad grade, 700 ft northeast of County Road 77, 0.8 mi upstream from mouth, and 3.0 mi northeast of Tarpon Springs.
DRAINAGE AREA.--8.31 mi^2, revised.
PERIOD OF RECORD.--June 1981 to current year. Prior to October 1984, mean daily discharges published in U. S. Geological Survey Open-File Report 86-55.
GAGE.--Water-stage recorder. Datum of gage is 7.06 ft below National Geodetic Vertical Datum of 1929.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Stage-discharge relation affected by tide on some days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	.59	.79	.53	1.4	.66	2.8	.33	.45	4.5	8.3	5.9
2	1.6	.59	.75	.52	1.1	.73	2.2	.34	.45	3.0	9.5	5.4
3	1.5	.59	.70	.52	1.1	.82	1.5	.34	.44	2.0	17	4.2
4	1.3	.60	.69	.52	1.2	2.9	1.0	.32	.45	2.2	17	3.2
5	1.2	.60	.65	.51	.91	2.2	.88	.32	.45	1.6	15	2.4
6	1.1	.59	.62	.52	.75	1.3	.80	.31	.50	1.5	14	1.9
7	1.1	.59	.62	.50	.70	1.1	.67	.31	.50	1.3	13	1.6
8	1.0	.59	.62	.49	.65	.99	.60	.30	.47	1.2	11	2.4
9	.96	.59	.61	.50	.62	1.0	.54	.29	.47	3.0	7.7	6.8
10	.94	.71	.61	.49	.61	1.2	.51	.29	.45	e4.0	5.7	5.5
11	.89	.62	.62	.47	.58	1.2	.44	.31	.43	e6.2	4.1	3.9
12	.89	.62	.76	.48	.54	1.1	.38	.34	.44	e11	2.8	3.2
13	.86	.64	.67	.53	.54	1.1	.37	.34	.47	e8.0	2.4	2.6
14	.77	1.6	.62	.49	.54	1.1	.38	.35	.47	e5.2	2.0	35
15	.76	.96	.62	.49	.54	1.1	.38	.32	.47	e4.0	1.8	89
16	.75	.76	.63	.49	.54	1.1	.36	.33	.47	e3.1	1.7	69
17	.74	.66	.62	.47	.54	1.1	.34	.34	.47	e2.7	1.5	38
18	.71	.62	.57	.47	.54	1.0	.33	.38	.46	e4.5	1.4	19
19	.70	.59	.56	.47	.54	5.2	.31	.38	.53	e2.7	1.3	13
20	.70	.61	.56	.53	.54	5.0	.31	.37	.89	e1.7	1.2	9.1
21	.70	.57	.55	.52	.54	2.4	.36	.37	1.5	e2.4	1.1	6.5
22	.70	.54	.54	.50	.54	1.5	.37	.36	1.4	e4.0	1.0	4.8
23	.70	.54	.56	.47	.54	1.2	.34	.35	7.3	e6.2	1.1	3.6
24	.69	.54	.54	.47	.54	1.1	.35	.37	2.9	e9.6	.97	6.5
25	.69	1.3	.54	.47	.57	1.0	.34	.40	1.7	19	.94	23
26	.69	1.8	.54	.47	.59	.96	.35	.40	1.3	12	.89	24
27	.69	1.5	.53	.47	.64	.84	.34	.40	3.5	8.3	.89	18
28	.68	1.1	.54	.47	.63	.75	.34	.39	15	8.9	.88	14
29	.68	.89	.54	.47	---	5.9	.33	.38	10	13	.85	11
30	.66	.83	.54	.47	---	9.6	.34	.38	4.7	14	3.4	7.2
31	.60	---	.54	.92	---	4.2	---	.43	---	11	4.6	---
TOTAL	27.75	23.33	18.85	15.69	19.07	61.35	18.56	10.84	59.03	181.8	155.02	439.7
MEAN	.90	.78	.61	.51	.68	1.98	.62	.35	1.97	5.86	5.00	14.7
MAX	1.8	1.8	.79	.92	1.4	9.6	2.8	.43	15	19	17	89
MIN	.60	.54	.53	.47	.54	.66	.31	.29	.43	1.2	.85	1.6
CFSM	.20	.18	.14	.11	.15	.45	.14	.08	.44	1.32	1.13	3.31
IN.	.23	.20	.16	.13	.16	.52	.16	.09	.50	1.53	1.30	3.69

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

MEAN	5.50	2.49	4.26	3.84	5.43	5.99	2.76	.77	1.30	3.66	6.05	9.18
MAX	40.3	15.4	52.9	23.6	51.6	43.9	10.8	3.00	5.07	13.7	37.0	48.7
(WY)	1996	1998	1998	1998	1998	1998	1993	1991	1982	1991	1991	1988
MIN	.14	.17	.29	.14	.36	.39	.24	.079	.11	.24	.63	1.05
(WY)	1982	1982	1983	1985	1985	1997	1985	1985	2000	1988	1997	1990

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1982 - 2001**	
ANNUAL TOTAL	538.78		1030.99			
ANNUAL MEAN	1.47		2.82		4.27	
HIGHEST ANNUAL MEAN					20.0	1998
LOWEST ANNUAL MEAN					1.04	1990
HIGHEST DAILY MEAN	39	Aug 12	89	Sep 15	313	Sep 9 1988
LOWEST DAILY MEAN	.04	Jun 16	.29	May 9	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.05	Jun 11	.30	May 5	.00	May 19 1982
MAXIMUM PEAK FLOW			95	Sep 15	370	Sep 9 1988
MAXIMUM PEAK STAGE			11.90	Sep 15	15.90	Sep 9 1988
ANNUAL RUNOFF (CFSM)	.33		.64		.96	
ANNUAL RUNOFF (INCHES)	4.52		8.66		13.08	
10 PERCENT EXCEEDS	1.8		7.0		9.7	
50 PERCENT EXCEEDS	.60		.70		1.0	
90 PERCENT EXCEEDS	.13		.37		.24	

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 downstream from concrete structure at outlet of Pasco Lake, 0.3 mi north of Loyce, 2.7 mi upstream from mouth, and 4.4 mi southwest of Masaryktown.
DRAINAGE AREA.--43 mi^2.
PERIOD OF RECORD.--May 1964 to September 1988; October 1986 to September 1990, (gage heights only); January 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is 60.00 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 11, 1970, nonrecording gage at same site at datum 60.00 ft lower.
REMARKS.--Records good. No flow entire water year. Revised drainage area of 312 mi^2, published in WRD FL-98-3A, and WRD FL-99-3A is in error and should not be used.Correct drainage area is 43 mi^2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	e.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CFSM	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
IN.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	12.0	2.52	2.42	3.26	5.24	5.96	2.27	.47	1.40	4.55	12.9	16.5
MAX	66.7	23.6	40.1	49.8	54.0	33.9	13.4	8.82	16.5	45.5	112	59.7
(WY)	1970	1970	1970	1970	1970	1998	1970	1979	1976	1974	1965	1979
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1973	1968	1968	1968	1968	1968	1968	1967	1965	1967	1973	1972

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**	**FOR 2001 WATER YEAR**	**WATER YEARS 1965 - 2001**
ANNUAL TOTAL	0.01		
ANNUAL MEAN	.000		5.84
HIGHEST ANNUAL MEAN			25.6 1970
LOWEST ANNUAL MEAN			.000 2001
HIGHEST DAILY MEAN	.01 Jul 15		226 Sep 30 1979
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Oct 1	.00 May 3 1965
MAXIMUM PEAK FLOW			56 Mar 19 1998
MAXIMUM PEAK STAGE			4.30 Mar 19 1998
ANNUAL RUNOFF (CFSM)	.000		.14
ANNUAL RUNOFF (INCHES)	.00		1.84
10 PERCENT EXCEEDS	.00	.00	19
50 PERCENT EXCEEDS	.00	.00	.01
90 PERCENT EXCEEDS	.00	.00	.00

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 west of Fivay Junction, 3.5 mi above Fivemile Creek, and 21 mi upstream from mouth.
DRAINAGE AREA.--150 mi^2.

WATER-DISCHARGE RECORDS

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 1983 (discharge measurements only); October 1983 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 12, 1968, nonrecording gage 20 ft downstream and Feb. 12, 1968, to Sept. 30, 1972, nonrecording gage at present site and datum; Oct. 1, 1972, to Sept. 30, 1978, water-stage recorder at present site at datum 40.00 ft higher; Oct. 1, 1978, to Sept. 30, 1983, nonrecording gage at present site and datum.
REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	.00	.14	.21	4.6	.31	1.4	.00	.00	1.6	3.8	4.9
2	1.4	.00	.12	.22	3.5	.27	.88	.00	.00	1.8	3.8	3.4
3	1.3	.00	.11	.21	2.4	.28	.60	.00	.00	.97	5.5	6.7
4	1.3	.00	.11	.21	1.8	.73	.40	.00	.00	.89	6.5	4.2
5	1.3	.00	.09	.22	1.5	1.0	.29	.00	.00	1.4	6.3	2.9
6	1.2	.00	.05	.25	1.3	.84	.20	.00	.00	1.3	5.9	2.3
7	1.2	.00	.04	.25	1.2	.68	.15	.00	.00	1.1	5.2	1.8
8	1.1	.00	.04	.54	1.0	.53	.09	.00	.00	.72	4.5	1.6
9	.90	.00	.04	.58	.89	.46	.06	.00	.00	.53	3.7	1.6
10	.77	.00	.04	.52	.85	.49	.03	.00	.00	.50	3.0	1.4
11	.45	.00	.05	.48	.88	.43	.02	.00	.00	1.3	2.7	1.3
12	.32	.00	.45	.51	1.6	.37	.00	.00	.00	1.8	2.7	1.2
13	.25	.00	.42	.48	1.6	.31	.00	.00	.00	1.7	2.0	.94
14	.19	.00	.29	.48	1.4	.32	.00	.00	.00	1.5	1.6	8.6
15	.15	.01	.25	.48	1.2	.29	.00	.00	.00	1.2	1.4	34
16	.10	.01	.18	.42	1.0	.27	.00	.00	.00	.80	1.8	23
17	.07	.01	.14	.41	.93	.27	.00	.00	.00	2.4	1.8	14
18	.05	.01	.10	.39	.85	.25	.00	.00	.00	6.5	1.4	9.8
19	.04	.00	.10	.36	.74	.70	.00	.00	.00	4.7	1.1	7.6
20	.03	.00	.10	.40	.65	1.4	.00	.00	.00	2.6	.73	6.5
21	.04	.00	.10	.41	.60	1.1	.00	.00	.00	2.2	.51	5.5
22	.03	.00	.11	.35	.55	.85	.00	.00	.00	3.5	.37	4.6
23	.03	.00	.11	.34	.52	.61	.00	.00	.00	4.2	.41	3.7
24	.02	.00	.11	.33	.45	.46	.00	.00	.00	4.8	.31	3.7
25	.01	.00	.10	.30	.39	.32	.00	.00	.00	4.9	.22	6.8
26	.01	.11	.10	.28	.35	.24	.00	.00	.00	9.5	.15	7.0
27	.01	.37	.12	.28	.37	.17	.00	.00	.09	8.4	.11	6.5
28	.00	.27	.16	.28	.35	.09	.00	.00	.18	6.7	.07	6.4
29	.00	.20	.23	.28	---	.68	.00	.00	.70	7.8	.03	5.7
30	.00	.17	.23	.29	---	2.6	.00	.00	1.2	6.4	.54	5.1
31	.00	---	.21	2.6	---	2.2	---	.00	---	4.8	3.7	---
TOTAL	13.87	1.16	4.44	13.36	33.47	19.52	4.12	0.00	2.17	98.51	71.85	192.74
MEAN	.45	.039	.14	.43	1.20	.63	.14	.000	.072	3.18	2.32	6.42
MAX	1.6	.37	.45	2.6	4.6	2.6	1.4	.00	1.2	9.5	6.5	34
MIN	.00	.00	.04	.21	.35	.09	.00	.00	.00	.50	.03	.94
IN.	.00	.00	.00	.00	.01	.00	.00	.00	.00	.02	.02	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	5.40	3.27	5.61	7.94	6.44	8.41	4.35	1.48	1.61	6.31	8.71	13.1
MAX	22.5	16.5	45.0	59.1	52.4	53.1	35.4	18.6	10.2	27.5	27.1	77.2
(WY)	1996	1989	1998	1998	1998	1998	1987	1987	1984	1987	1984	1988
MIN	.45	.039	.14	.31	.32	.046	.000	.000	.001	.41	1.49	1.17
(WY)	2001	2001	2001	1997	1997	2000	2000	1985	1998	1992	1993	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1984 - 2001**	
ANNUAL TOTAL	260.32		455.21			
ANNUAL MEAN	.71		1.25		6.06	
HIGHEST ANNUAL MEAN					21.2	1998
LOWEST ANNUAL MEAN					1.04	2000
HIGHEST DAILY MEAN	8.0	Aug 2	34	Sep 15	242	Sep 9 1988
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Mar 19	.00	Oct 28	.00	Apr 27 1985
MAXIMUM PEAK FLOW			37	Sep 15	294	Sep 9 1988
MAXIMUM PEAK STAGE			52.37	Sep 15	54.37	Sep 9 1988
ANNUAL RUNOFF (INCHES)	.06		.11		.55	
10 PERCENT EXCEEDS	2.4		4.0		16	
50 PERCENT EXCEEDS	.11		.28		1.6	
90 PERCENT EXCEEDS	.00		.00		.00	

02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964, 1966-68, 1970 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
FEB													
08...	1049	51.28	1.0	--	5.7	6.6	233	13.7	--	--	--	--	--
JUL													
02...	1018	51.26	2.0	160	3.5	6.1	409	23.5	58.0	5.00	2.00	13.0	23.0
AUG													
09...	0952	51.42	3.8	--	3.3	6.2	172	24.8	--	--	--	--	--
16...	0812	51.24	1.8	--	3.7	6.0	164	24.8	--	--	--	--	--
SEP													
06...	1006	51.30	2.4	--	3.6	5.5	168	24.3	--	--	--	--	--
10...	1059	51.19	1.4	320	3.8	6.2	165	24.4	25.0	2.10	1.50	7.5	16.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
FEB											
08...	--	--	--	--	.91	<.01	<.02	<.01	.020	<.020	--
JUL											
02...	<.1	5.4	130	351	1.7	.15	.2	<.01	<.010	<.020	93.0
AUG											
09...	--	--	--	--	2.3	.05	M	<.01	.020	.030	--
16...	--	--	--	--	2.2	.03	M	<.01	.020	.040	--
SEP											
06...	--	--	--	--	2.3	.05	<.02	<.01	.010	<.020	--
10...	<.1	7.4	7.6	201	2.1	.04	<.02	<.01	<.010	<.020	40.0

Remark codes used in this report:

Null value remark codes used in this report:
M -- Presence verified, not quantified

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310300 PITHLACHASCOTEE RIVER NEAR NEW PORT RICHEY, FL

LOCATION.--Lat 28°15'23", long 82°38'33", in NW¼ sec.6, T.26 S., R.17 E., Pasco County, Hydrologic Unit 03100207, near left bank on upstream side of bridge on private road, 4.9 mi east of New Port Richey, and 10.5 mi upstream from mouth. Prior to May 27, 1981, at site 1.1 mi downstream.
DRAINAGE AREA.--180 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1963 to current year. March 1963 to May 1981, at site 1.1 mi downstream not equivalent due to differences in base flow characteristics of the different drainage areas.
REVISED RECORDS.--WRD FL 1966: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark). Prior to May 27, 1981, at site 1.1 mi downstream at datum 7.06 ft higher.
REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	.09	.35	.39	3.1	.26	6.5	.00	.00	.48	35	2.2
2	3.5	.09	.33	.35	3.5	.21	5.4	.00	.00	.53	27	1.8
3	3.0	.09	.37	.34	6.2	.18	4.2	.00	.00	.24	33	2.0
4	2.7	.12	.39	.32	7.2	.56	3.1	.00	.00	.33	42	1.2
5	2.3	.13	.40	.33	6.8	.95	2.4	.00	.00	.26	37	.89
6	1.9	.12	.39	.30	6.0	.77	1.8	.00	.00	.21	38	1.7
7	1.6	.12	.31	.28	5.1	.69	1.3	.00	.00	.13	32	3.0
8	1.3	.12	.30	.36	4.4	.58	.87	.00	.00	.08	32	4.7
9	.91	.12	.33	.43	3.8	.45	.55	.00	.00	.09	31	13
10	.59	.16	.35	.39	3.2	.32	.31	.00	.00	.23	29	11
11	.40	.15	.44	.36	2.7	.23	.15	.00	.00	2.6	22	7.6
12	.28	.15	.59	.38	2.3	.17	.07	.00	.00	2.7	16	6.0
13	.19	.13	.52	.32	2.1	.14	.04	.00	.00	1.6	13	4.8
14	.15	.23	.51	.32	2.0	.14	.03	.00	.00	1.0	10	40
15	.14	.28	.53	.27	1.9	.11	.03	.00	.00	.69	8.9	116
16	.13	.23	.56	.22	1.6	.09	.02	.00	.00	.46	8.5	148
17	.12	.24	.70	.25	1.4	.09	.01	.00	.00	1.5	9.7	136
18	.11	.27	.59	.27	1.1	.09	.00	.00	.00	1.8	9.1	102
19	.11	.25	.58	.28	.95	.55	.00	.00	.00	4.1	10	76
20	.12	.27	.58	.50	.84	1.1	.00	.00	.00	8.8	9.4	59
21	.12	.26	.57	.50	.81	1.4	.00	.00	.00	9.8	7.6	44
22	.11	.25	.50	.46	.75	1.6	.00	.00	.00	10	6.2	33
23	.11	.20	.44	.33	.67	1.4	.00	.00	.00	19	5.6	25
24	.09	.20	.42	.32	.57	1.1	.00	.00	.01	18	5.4	25
25	.10	.25	.43	.29	.50	.76	.00	.00	.00	19	3.6	40
26	.12	.71	.45	.29	.44	.54	.00	.00	.00	43	2.7	38
27	.12	.68	.45	.29	.36	.35	.00	.00	.04	37	2.0	52
28	.13	.49	.52	.26	.32	.21	.00	.00	.37	63	1.3	51
29	.14	.42	.58	.28	---	1.2	.00	.00	.70	65	.85	42
30	.13	.38	.48	.30	---	6.4	.00	.00	.60	47	.82	34
31	.12	---	.44	2.1	---	7.5	---	.00	---	45	1.6	---
TOTAL	25.04	7.20	14.40	12.08	70.61	30.14	26.78	0.00	1.72	403.63	490.27	1120.89
MEAN	.81	.24	.46	.39	2.52	.97	.89	.000	.057	13.0	15.8	37.4
MAX	4.2	.71	.70	2.1	7.2	7.5	6.5	.00	.70	65	42	148
MIN	.09	.09	.30	.22	.32	.09	.00	.00	.00	.08	.82	.89
CFSM	.00	.00	.00	.00	.01	.01	.00	.00	.00	.07	.09	.21
IN.	.01	.00	.00	.00	.01	.01	.01	.00	.00	.08	.10	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	26.1	10.7	19.2	24.7	29.5	30.6	13.3	6.70	12.1	27.3	52.3	67.7
MAX	120	75.8	296	178	183	190	102	98.7	126	151	266	329
(WY)	1996	1998	1998	1998	1998	1998	1987	1979	1974	1974	1965	1988
MIN	.81	.24	.41	.39	.79	.17	.001	.000	.000	.000	3.06	2.84
(WY)	2001	2001	2000	2001	1997	2000	2000	1985	2000	1981	1989	1999

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1964 - 2001**	
ANNUAL TOTAL	910.40		2202.76			
ANNUAL MEAN	2.49		6.03		26.7	
HIGHEST ANNUAL MEAN					88.5	1998
LOWEST ANNUAL MEAN					3.01	1997
HIGHEST DAILY MEAN	46	Aug 13	148	Sep 16	1420	Sep 9 1988
LOWEST DAILY MEAN	.00	Many Days	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.00	Apr 2	.00	Apr 18	.00	May 27 1981
MAXIMUM PEAK FLOW			160	Sep 16	1480	Sep 9 1988
MAXIMUM PEAK STAGE			21.26	Sep 16	24.67	Sep 9 1988
ANNUAL RUNOFF (CFSM)	.014		.034		.15	
ANNUAL RUNOFF (INCHES)	.19		.46		2.01	
10 PERCENT EXCEEDS	7.5		18		70	
50 PERCENT EXCEEDS	.31		.39		6.7	
90 PERCENT EXCEEDS	.00		.00		.30	

02310300 PITHLACHASCOTEE RIVER NEAR NEW PORT RICHEY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV													
13...	1159	17.56	.13	--	4.2	7.1	457	17.4	--	--	--	--	--
FEB													
08...	0906	18.42	4.6	100	6.2	6.3	346	14.4	48.0	4.10	1.50	12.0	24.0
JUL													
02...	0928	17.60	.65	80	3.9	6.9	512	23.3	85.0	5.80	1.40	7.9	16.0
AUG													
09...	0900	19.84	31	400	4.7	6.8	162	25.3	27.0	2.20	1.90	6.3	12.0
SEP													
06...	0920	17.84	1.6	--	4.0	6.7	324	24.1	--	--	--	--	--
10...	0955	18.88	11	200	5.2	6.1	196	24.5	31.0	2.50	1.30	6.8	14.0

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
NOV											
13...	--	--	--	--	.20	.04	<.02	<.01	.010	.040	--
FEB											
08...	<.1	8.0	79.0	294	1.2	.01	<.02	<.01	.020	<.020	120
JUL											
02...	.1	8.7	130	364	.94	.24	.1	.02	.040	.060	440
AUG											
09...	.1	8.2	3.7	E186cl	1.9	.02	M	<.01	.020	.040	61.0
SEP											
06...	--	--	--	--	1.5	.05	.1	<.01	.030	<.020	--
10...	<.1	8.1	15.0	196	1.7	.05	.1	<.01	.010	<.020	81.0

Remark codes used in this report:
E -- Estimated value

Null value remark codes used in this report:
M -- Presence verified, not quantified

Value qualifier codes used in this report:
cl -- Holding time exceeded by the laboratory

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310500 WEEKI WACHEE SPRINGS NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°31'00", long 82°34'25", in NE¼ sec.2, T.23 S., R.17 E., Hernando County, Hydrologic Unit 03100207, on west side of spring pool at head of Weeki Wachee River, and 12 mi southwest of Brooksville.
PERIOD OF RECORD.--1917, 1929-30 (one discharge measurement in each year); February 1931 to June 1966 (discharge measurements only); July 1966 to current year (gage heights and discharge measurements only), incomplete.
GAGE.--Nonrecording gage read once daily. Datum of gage is 8.12 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Missing record due to observer failing to read staff gage. Discharge measurements made about 1.0 mi downstream from head of springs.
AVERAGE DISCHARGE.--527 measurements, 171 ft^3/s, 111 mg/d.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 275 ft^3/s, Oct. 19, 1964; maximum gage height observed, 3.86 ft, Sept. 9, 1960; minimum discharge measured, 101 ft^3/s, July 24, 1956; minimum gage height observed, 0.41 ft, June 14-16, 18-21, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 1.30 ft, Oct. 1-10, Sept. 17-22; minimum observed, 0.41 ft, June 14-16, 18-21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.30	1.18	.95	.73	.65	.68	.70	.64	---	.46	1.02	1.00
2	1.30	1.18	.93	.70	.67	.67	.70	.64	---	.46	1.03	1.20
3	1.30	1.18	.94	.69	.68	.66	.70	.64	.50	.47	1.03	1.20
4	1.30	1.18	.92	.68	.65	.65	.70	.64	.50	.48	1.03	1.20
5	1.30	1.08	.92	.68	.65	.65	.70	.64	.50	.48	1.05	1.20
6	1.30	1.08	.91	.67	.63	.65	.70	.61	.52	.48	1.05	1.20
7	1.30	1.08	.90	.66	.63	.67	.70	.61	.50	.48	1.08	1.20
8	1.30	1.08	.89	.66	.63	.70	.69	.61	.50	.49	1.08	1.20
9	1.30	1.08	.89	.66	.63	.68	.69	.61	.50	.50	1.08	1.20
10	1.30	1.08	.87	.65	.63	.68	.69	.61	.42	.51	1.10	1.20
11	1.25	1.08	.87	.65	.63	.65	.68	---	.42	.51	1.10	1.20
12	1.25	1.08	.87	.65	.63	.67	.68	---	.42	.51	1.10	1.20
13	1.25	1.07	.88	.65	.63	.67	.68	---	.42	.51	1.12	1.20
14	1.25	1.07	.85	.65	.65	.68	.68	---	.41	.51	1.12	1.20
15	1.25	1.07	.88	.65	.65	.68	.68	---	.41	.88	1.16	1.20
16	1.23	1.06	.88	.65	.65	.68	.67	---	.41	.90	1.14	1.20
17	1.23	1.07	.79	.65	.65	.68	.67	---	.42	.90	1.14	1.30
18	1.23	1.05	.79	.65	.65	.68	.67	---	.41	.90	1.14	1.30
19	1.20	1.04	.78	.65	.67	.68	.67	---	.41	.90	1.11	1.30
20	1.20	1.04	.78	.65	.70	.68	.67	---	.41	.93	1.12	1.30
21	1.20	1.04	.78	---	.70	.68	.66	---	.41	.93	1.13	1.30
22	1.18	1.01	.78	---	.70	.68	.65	---	.42	.93	1.14	1.30
23	1.18	1.01	.77	---	.70	.68	.65	.53	.43	.93	1.13	1.04
24	1.18	1.01	.77	---	.70	.68	.65	---	.48	.95	1.13	1.04
25	1.18	1.00	.77	---	.70	.70	.65	---	.48	.95	1.10	1.04
26	1.18	.95	.76	---	.70	.70	.65	---	.48	.95	1.10	1.08
27	1.18	.95	.76	---	.70	.70	.65	---	.48	1.00	1.10	1.07
28	1.18	.96	.76	---	.70	.70	.65	---	.47	1.00	1.13	1.08
29	1.18	.95	.76	---	---	.70	.64	---	.47	1.00	1.12	1.08
30	1.18	.95	.75	---	---	.70	.64	---	.47	1.00	1.11	1.07
31	1.18	---	.75	.64	---	.70	---	---	---	1.03	1.00	---
MEAN	1.24	1.06	.84	.66	.66	.68	.67	.62	.45	.74	1.10	1.18
MAX	1.30	1.18	.95	.73	.70	.70	.70	.64	.52	1.03	1.16	1.30
MIN	1.18	.95	.75	.64	.63	.65	.64	.53	.41	.46	1.00	1.00

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310525 WEEKI WACHEE RIVER NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°31'07", long 82°34'57", in NE¼ sec.2, T.23 S., R.17 E., Hernando County, Hydrologic Unit 03100207, on right bank, 0.6 mi west of intersection U.S. Highway 19 and State Highway 50, 6.2 mi upstream from mouth, and 12 mi southwest of Brooksville.
DRAINAGE AREA.--Not determined.
PERIOD OF RECORD.--October 1993 to current year.
GAGE.--Water-stage recorder. Datum of gage is undetermined.
REMARKS.--Records poor. Discharge measurements made about 1.0 mi downstream from head of springs. Discharge computed from relation between artesian pressure at Weeki Wachee Well near Weeki Wachee and discharge at measuring site. See WRIR 01-4230 for computation techniques.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	138	132	126	120	117	118	112	106	106	145	151
2	145	138	133	126	120	116	118	112	106	106	146	152
3	145	138	133	126	120	116	118	111	106	106	147	151
4	144	138	132	126	121	117	118	111	106	106	148	151
5	144	138	132	125	121	117	118	111	107	106	149	151
6	144	137	132	125	121	117	118	111	107	106	149	151
7	144	137	131	125	121	116	118	111	107	106	150	150
8	144	136	131	125	120	116	118	111	107	106	150	151
9	143	136	131	125	120	116	118	110	107	107	151	151
10	143	136	131	124	120	116	118	110	107	107	151	151
11	142	136	130	124	120	116	117	110	106	110	151	151
12	141	136	130	124	120	115	117	110	106	113	152	151
13	141	136	130	124	120	115	117	110	106	117	152	151
14	141	136	130	124	120	115	117	110	105	119	152	152
15	141	135	129	123	120	115	117	110	105	121	152	154
16	141	135	129	123	119	115	116	110	105	122	153	156
17	140	135	129	122	119	115	116	108	105	124	153	157
18	140	135	129	122	119	115	115	108	104	125	153	158
19	140	135	129	122	119	115	115	109	104	126	153	159
20	140	134	129	122	119	116	115	109	105	127	153	160
21	140	134	128	122	119	116	115	108	104	128	153	160
22	140	134	128	121	118	116	115	108	104	129	153	160
23	139	134	128	121	118	116	114	108	105	132	153	161
24	139	133	128	121	118	116	114	107	105	133	152	161
25	139	133	128	120	118	116	113	107	106	135	152	162
26	139	134	127	120	118	115	113	107	105	137	153	163
27	138	133	127	120	118	115	113	107	105	138	152	164
28	139	133	127	120	117	115	113	107	105	140	152	164
29	139	133	127	120	---	116	113	107	105	141	151	164
30	138	133	127	120	---	116	112	106	105	142	151	164
31	138	---	127	120	---	117	---	106	---	144	151	---
TOTAL	4376	4059	4014	3808	3343	3590	3477	3382	3166	3765	4683	4682
MEAN	141	135	129	123	119	116	116	109	106	121	151	156
MAX	145	138	133	126	121	117	118	112	107	144	153	164
MIN	138	133	127	120	117	115	112	106	104	106	145	150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	158	158	153	152	153	149	145	137	132	138	148	156
MAX	212	204	194	187	211	226	221	209	194	185	188	194
(WY)	1999	1999	1999	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	127	135	127	122	119	116	116	109	104	108	120	123
(WY)	1998	2001	1994	1994	2001	2001	2001	2001	1994	1994	1997	1997

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1994 - 2001**	
ANNUAL TOTAL	47796		46345			
ANNUAL MEAN	131		127		148	
HIGHEST ANNUAL MEAN					186	1998
LOWEST ANNUAL MEAN					124	1994
HIGHEST DAILY MEAN	146	Sep 30	164	Sep 27	229	Mar 28 1998
LOWEST DAILY MEAN	111	Jun 15	104	Jun 18	101	Jun 29 1994
ANNUAL SEVEN-DAY MINIMUM	112	Jun 10	104	Jun 16	102	Jun 26 1994
10 PERCENT EXCEEDS	142		151		189	
50 PERCENT EXCEEDS	132		123		144	
90 PERCENT EXCEEDS	114		107		117	

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 Weeki Wachee River, on Florida Department of Transportation pier at terminus of County Road 550, and 1.1 mi 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 September 1989 (maximum and minimum elevations only); January 1997 to current year (maximum and minimum gage heights only).
GAGE.--Water-stage recorder. Datum of gage is 9.35 ft 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.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.27 ft, Aug. 31, 1985 (result of storm surge); minimum, 2.35 ft below NGVD, Feb. 12, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.10 ft, July 23; minimum, 2.25 ft below NGVD, Feb. 19.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.09	-.90	2.44	-.76	---	---	.94	-1.55	1.11	-.83	2.04	-1.05
2	1.91	-1.03	2.40	-.52	---	---	.60	-1.74	.63	-1.56	2.12	-.87
3	1.46	-1.02	2.21	-.52	---	---	.92	-1.61	.92	-1.96	2.33	-.82
4	2.41	-.39	1.74	-.36	---	---	1.03	-1.23	1.41	-1.80	2.83	-.40
5	2.02	-.44	1.94	-.37	---	---	2.11	-1.61	1.72	-1.83	2.37	-.12
6	1.97	-.54	2.18	.32	---	---	1.84	-1.52	2.03	-2.00	1.99	-.97
7	1.91	-.46	2.25	-.16	---	---	2.53	-1.71	2.07	-1.98	1.94	-1.61
8	1.75	-.61	2.86	-.04	---	---	2.71	-1.54	2.13	-2.03	2.09	-1.80
9	.13	-1.75	3.10	-.20	---	---	2.87	-1.38	2.22	-1.93	2.62	-1.48
10	.93	-1.39	3.12	-.27	---	---	1.26	-2.20	2.14	-1.74	2.95	-1.33
11	1.85	-1.03	2.61	-1.10	---	---	2.21	-1.84	1.74	-1.77	2.34	-1.32
12	2.07	-.98	2.57	-1.26	---	---	2.66	-1.55	1.67	-1.65	2.60	-1.13
13	2.25	-1.05	2.87	-1.25	---	---	1.58	-1.84	1.56	-1.62	2.46	-1.18
14	2.50	-.90	3.52	-.77	---	---	1.53	-1.47	1.52	-1.57	2.04	-1.17
15	2.48	-.95	2.15	-1.55	2.59	-1.53	1.40	-1.27	1.53	-1.46	2.57	-1.19
16	2.72	-1.01	2.19	-1.11	2.20	-1.05	1.64	-1.10	1.44	-1.41	1.85	-.59
17	2.92	-.90	2.73	-.65	2.78	-.64	1.64	-1.23	1.46	-.69	1.32	-.73
18	2.57	-.99	1.52	-1.19	1.26	-.82	1.85	-1.32	.41	-2.10	.91	-1.80
19	2.48	-.89	1.84	-.08	2.68	-.69	2.01	-1.21	1.84	-2.25	1.45	-1.72
20	2.18	-.56	1.78	-1.46	1.28	-1.54	1.66	-1.04	2.05	-1.64	2.38	-.07
21	2.20	-.90	.37	-1.19	1.58	-1.42	.85	-2.12	2.06	-1.62	2.16	.32
22	2.33	-1.07	1.42	-1.87	1.02	-1.66	.85	-2.03	2.30	-1.52	1.64	-1.25
23	1.90	-1.04	1.83	-1.41	1.02	-2.21	.76	-1.94	2.45	-1.47	1.71	-1.49
24	1.79	-.92	3.57	-1.26	.99	-2.05	1.10	-1.93	1.71	-1.65	1.82	-1.41
25	2.10	-.92	---	---	.91	-2.16	1.86	-1.75	2.06	-1.40	2.11	-1.31
26	2.68	-.83	---	---	1.37	-2.18	.75	-2.08	2.11	-1.23	2.02	-1.24
27	2.60	-.81	---	---	1.95	-1.35	1.52	-1.76	1.77	-1.27	1.55	-1.74
28	2.67	-1.07	---	---	2.80	-1.08	1.71	-1.64	2.00	-1.05	2.14	-1.74
29	3.09	-.93	---	---	2.46	-1.68	1.69	-1.46	---	---	2.94	-1.62
30	2.85	-1.01	---	---	1.73	-.74	1.83	-.76	---	---	2.54	-1.17
31	2.39	-1.03	---	---	.43	-1.76	1.64	-.62	---	---	2.22	-1.08
MONTH	3.09	-1.75	3.57	-1.87	2.80	-2.21	2.87	-2.20	2.45	-2.25	2.95	-1.80

02310600 GULF OF MEXICO NEAR BAYPORT, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	1.76	-.64	1.67	-1.89	2.65	-.71	2.03	-.62	1.97	-1.16	2.77	-.68
2	1.61	-1.60	1.69	-1.47	2.60	-.95	2.30	-.92	1.66	-1.38	2.81	-.73
3	2.27	-1.67	1.70	-1.42	2.26	-1.14	2.42	-1.05	2.87	-.69	2.81	-.58
4	2.37	-1.41	1.52	-1.54	2.45	-1.41	2.65	-1.19	3.00	-.53	2.67	-.60
5	2.33	-1.41	2.04	-1.39	2.57	-1.25	2.75	-1.00	3.01	-.71	2.50	-.59
6	2.17	-1.41	2.24	-1.48	2.58	-1.42	2.63	-1.15	2.59	-.88	2.23	-.70
7	2.36	-1.35	2.48	-1.79	2.53	-1.34	2.52	-1.15	2.17	-.81	2.30	-.61
8	2.49	-1.23	2.01	-1.70	2.27	-1.17	2.52	-.90	2.10	-.56	2.31	-.56
9	2.52	-1.34	2.61	-1.54	2.23	-1.20	2.44	-.69	1.90	-.58	2.15	-.50
10	2.34	-1.43	2.86	-1.33	2.26	-1.18	2.43	-.75	1.86	-.44	2.15	-.88
11	2.87	-1.21	2.61	-1.32	2.29	-1.18	2.39	-.53	1.83	-.50	1.65	-1.00
12	2.52	-1.21	2.47	-1.32	2.15	-.33	2.14	-.30	1.84	-.64	2.10	-1.05
13	2.27	-1.21	2.11	-1.10	1.53	-.38	2.21	.35	1.78	-.87	1.93	-1.29
14	2.19	-1.04	1.67	-.79	1.40	-.62	1.51	-.59	2.22	-.85	.73	-.62
15	2.03	-.72	1.51	-1.01	1.45	-.80	1.57	-.95	2.84	-.68	1.72	-1.16
16	1.71	-.34	1.59	-.37	1.67	-.84	1.88	-.82	2.90	-1.02	2.53	-.95
17	1.43	-1.04	1.70	-.42	1.71	-.97	2.40	-1.10	2.91	-1.13	2.84	-.78
18	.39	-1.99	1.74	-.53	1.90	-1.29	2.87	-1.11	3.22	-1.03	3.05	-.84
19	1.33	-1.55	1.93	-.93	2.10	-1.50	2.97	-1.20	3.39	-.82	2.85	-.73
20	2.00	-1.41	2.26	-1.03	2.31	-1.47	2.91	-1.23	3.28	-.82	2.87	-.72
21	2.16	-1.25	2.64	-1.06	2.71	-1.57	3.13	-1.03	2.85	-.71	3.22	-.63
22	1.99	-1.48	2.87	-1.23	2.40	-1.39	3.26	-1.01	2.49	-.64	2.79	-.68
23	2.46	-1.27	3.03	-1.21	2.71	-1.34	4.10	-.94	2.17	-.58	2.51	-.56
24	2.54	-1.35	2.67	-1.50	2.40	-1.25	2.67	-.40	2.10	-.59	2.31	-.09
25	2.37	-1.47	3.12	-1.38	2.21	-1.31	2.25	-.60	2.06	-.71	2.91	-.39
26	1.54	-1.92	2.78	-1.33	1.82	-1.29	1.77	-.65	1.87	-.66	1.48	-.87
27	1.91	-2.05	2.57	-1.33	1.21	-1.24	1.78	-.59	1.94	-.61	1.94	-.71
28	2.37	-1.86	2.26	-1.17	1.13	-1.09	1.65	-.89	1.87	-.85	2.09	-.56
29	1.45	-1.64	2.37	-1.11	1.67	-.60	1.60	-1.01	2.09	-.90	1.53	-1.19
30	1.38	-1.72	1.74	-.68	1.91	-.80	1.88	-1.04	2.32	-.89	1.33	-.93
31	---	---	1.96	-.91	---	---	1.90	-1.21	2.58	-.83	---	---
MONTH	2.87	-2.05	3.12	-1.89	2.71	-1.57	4.10	-1.23	3.39	-1.38	3.22	-1.29
YEAR	4.10	-2.25										

02310650 CHASSAHOWITZKA RIVER NEAR HOMOSASSA, FL

LOCATION.--Lat 28°42'54", long 82°34'35", in SW ¼ sec.26, T.20 S., R.17 E., Citrus County, Hydrologic Unit 03100207, on left bank just downstream from head of springs, 4.9 mi upstream from mouth, and 5.1 mi southeast of Homosassa.
PERIOD OF RECORD.--January 1964 to September 1965 (gage-heights and periodic discharge measurements only); October 1965 to September 1977 (periodic discharge measurements and maximum and minimum gage heights only); October 1977 to September 1978, July 1985 to December 1985, October 1988 (periodic discharge measurements and maximum and minimum elevations only); February 1997 to September 1998 (discharge, gage-heights and periodic discharge measurements), incomplete; October 1998 to current year (incomplete).
GAGE.--Water-stage recorder. Datum of gage is 5.10 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations NGVD.
REMARKS.--Records poor. Missing data is not estimated because it is affected by tide. Discharge measurements made about 200 ft downstream from head of springs; measurements made prior to November 1997 include flow from Crab Creek. Discharge computed from relation between artesian pressure at Weeki Wachee Well near Weeki Wachee, elevation, and discharge at measuring site. See WRIR 01-4230 for computation techniques.
EXTREMES FOR PERIOD JANUARY 1964 TO OCTOBER 1988.--Maximum discharge measured, 208 ft^3/s, Jan. 8, 1973; maximum gage height, 5.16 ft, Sept. 10, 1964; minimum discharge measured, 25 ft^3/s, Aug. 16, 1985; minimum gage height, 0.05 ft below NGVD, Aug. 7, 8, 1977.
EXTREMES FOR PERIOD FEBRUARY 1997 TO CURRENT YEAR.--Maximum discharge measured, 104 ft^3/s, Oct. 17, 2000; minimum discharge measured, -48.2 ft^3/s, Dec. 13, 2000.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	52	54	54	52	46	47	46	43	46	58	55
2	57	53	54	56	53	44	50	49	47	47	59	55
3	60	53	58	54	51	40	44	52	45	46	53	55
4	51	50	57	54	50	38	52	49	44	45	51	56
5	53	51	53	45	53	47	50	48	45	44	52	57
6	54	50	51	55	53	54	47	47	45	---	58	58
7	62	53	55	51	51	53	47	47	45	45	58	56
8	62	48	51	50	51	49	46	49	46	45	58	56
9	62	47	53	55	50	45	47	46	45	42	58	56
10	61	53	54	54	50	47	47	43	44	44	---	---
11	59	54	51	51	51	46	44	45	41	40	---	---
12	57	53	53	49	50	44	47	45	40	41	---	59
13	56	48	51	54	51	44	46	46	49	44	---	---
14	53	53	50	52	50	49	46	48	46	56	---	59
15	53	55	51	52	49	39	45	45	48	53	---	61
16	53	49	44	50	47	49	49	44	49	53	---	58
17	52	52	55	51	51	51	50	46	49	51	---	57
18	53	56	52	48	56	52	52	49	47	48	---	56
19	54	53	46	48	48	47	49	48	47	49	53	56
20	58	59	63	58	52	37	47	44	46	48	60	56
21	51	58	50	54	48	52	47	43	45	43	---	56
22	57	57	61	53	47	52	48	43	45	50	57	58
23	63	53	57	53	49	49	46	42	41	32	57	58
24	59	45	56	52	49	47	46	44	45	58	58	55
25	54	47	56	52	48	47	46	42	46	52	60	61
26	51	57	55	53	48	47	51	42	47	55	58	64
27	52	55	50	51	49	50	48	44	51	56	57	61
28	52	54	38	51	46	48	45	43	48	57	63	63
29	52	55	62	49	---	37	51	41	45	58	58	65
30	53	55	54	45	---	45	49	47	48	57	57	65
31	54	---	55	51	---	47	---	46	---	57	56	---
TOTAL	1725	1578	1650	1605	1403	1442	1429	1413	1372	1462	1199	1572
MEAN	55.6	52.6	53.2	51.8	50.1	46.5	47.6	45.6	45.7	48.7	57.1	58.2
MAX	63	59	63	58	56	54	52	52	51	58	63	65
MIN	51	45	38	45	46	37	44	41	40	32	51	55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	58.2	58.2	62.4	51.8	52.1	46.5	48.1	45.6	56.4	61.3	62.6	68.3
MAX	74.8	73.5	71.6	51.8	54.0	46.5	48.6	45.6	67.1	65.9	69.4	68.3
(WY)	1999	1999	1999	2001	2000	2001	2000	2001	1998	1998	1998	1998
MIN	44.3	48.4	53.2	51.8	50.1	46.5	47.6	45.6	45.7	56.7	55.8	68.3
(WY)	1998	1998	2001	2001	2001	2001	2001	2001	2001	1999	1999	1998

SUMMARY STATISTICS	**FOR 2000 CALENDAR YEAR**		**FOR 2001 WATER YEAR**		**WATER YEARS 1998 - 2001**	
HIGHEST DAILY MEAN	64	Jan 5	65	Sep 29	84	Feb 24 1998
LOWEST DAILY MEAN	35	Sep 17	32	Jul 23	32	Oct 24 1997
ANNUAL SEVEN-DAY MINIMUM	45	May 21	43	May 23	39	Oct 21 1997
10 PERCENT EXCEEDS	58		58		74	
50 PERCENT EXCEEDS	53		51		56	
90 PERCENT EXCEEDS	46		44		46	

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02310678 HOMOSASSA SPRINGS AT HOMOSASSA SPRINGS, FL

LOCATION.--Lat 28°47'58", long 82°35'20", in NE¼ sec.28, T.19 S., R.17 E., Citrus County, Hydrologic Unit 03100207, at bridge on nature trail in Homosassa Springs, 0.8 mi west of town of Homosassa Springs, and 3.1 mi northeast of Homosassa.
PERIOD OF RECORD.--1931-33, 1936, 1956, 1961, 1963-65 (miscellaneous discharge measurements); August 1965 to September 1978, June 1988 to March 1989 (discharge measurements only); October 1995 to current year.
GAGE.--Water-stage recorder. Datum of gage has not been determined.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Discharge computed from relation between artesian pressure at Weeki Wachee Well near Weeki Wachee, elevation, and discharge at measuring site. See WRIR 01-4230 for computation techniques.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	e80	91	97	87	79	77	89	71	74	91	82
2	89	e79	87	100	93	77	83	83	67	72	93	82
3	92	e81	91	103	98	70	80	84	70	73	85	83
4	85	e84	104	98	96	62	75	87	73	72	77	83
5	83	e80	98	92	91	62	78	84	74	71	77	84
6	83	e79	92	85	89	74	79	81	74	70	80	86
7	88	e76	88	86	87	84	78	80	74	72	86	86
8	92	73	84	78	87	84	77	83	74	72	89	84
9	106	68	81	79	87	78	77	80	74	69	87	84
10	107	67	78	96	85	75	77	75	73	67	87	86
11	98	76	79	89	89	80	77	73	72	66	88	93
12	92	78	76	82	91	77	e75	73	60	67	89	e92
13	90	76	80	90	93	69	80	73	68	66	90	e91
14	84	71	77	90	92	79	78	77	77	77	87	e101
15	81	84	81	90	89	75	e75	77	78	87	79	e100
16	80	82	81	91	85	70	e75	74	78	85	79	e93
17	76	74	68	90	80	82	e79	74	78	82	81	e88
18	78	87	94	87	93	92	e92	75	80	76	82	e85
19	79	84	85	81	98	95	e93	75	79	74	79	e82
20	82	91	92	76	85	74	e84	73	77	74	80	e81
21	84	99	97	98	83	68	79	71	75	73	81	e80
22	83	103	92	97	80	82	83	69	72	75	83	e83
23	89	93	101	98	80	84	81	67	69	69	85	e86
24	95	85	102	95	87	82	77	71	71	61	86	e85
25	90	69	102	90	82	79	76	70	74	76	88	e83
26	---	72	105	97	80	80	85	67	77	82	91	e93
27	---	80	89	91	85	89	90	70	80	85	89	e93
28	---	84	74	88	81	91	84	70	83	88	87	e91
29	---	87	79	87	---	75	85	68	79	90	89	e94
30	---	88	90	80	---	68	89	71	75	87	87	e109
31	---	---	99	79	---	75	---	75	---	88	85	---
TOTAL	2197	2430	2737	2780	2453	2411	2418	2339	2226	2340	2637	2643
MEAN	87.9	81.0	88.3	89.7	87.6	77.8	80.6	75.5	74.2	75.5	85.1	88.1
MAX	107	103	105	103	98	95	93	89	83	90	93	109
MIN	76	67	68	76	80	62	75	67	60	61	77	80

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	90.5	91.6	95.2	97.9	94.5	92.1	90.4	83.7	82.8	83.2	85.8	84.5
MAX	102	103	104	106	103	110	107	97.8	97.9	96.2	99.5	93.0
(WY)	1999	1999	1999	1998	1998	1998	1998	1998	1998	1998	1998	1996
MIN	81.5	81.0	88.3	89.7	87.6	77.8	77.3	75.5	73.9	73.5	78.1	75.3
(WY)	1998	2001	2001	2001	2001	2001	2000	2001	2000	2000	1997	1997

SUMMARY STATISTICS	**FOR 2001 WATER YEAR**		**WATER YEARS 1996 - 2001**	
ANNUAL MEAN			91.3	
HIGHEST ANNUAL MEAN			97.8	1998
LOWEST ANNUAL MEAN			83.6	2000
HIGHEST DAILY MEAN	e109	Sep 30	131	Mar 11 1996
LOWEST DAILY MEAN	60	Jun 12	41	Oct 8 1996
ANNUAL SEVEN-DAY MINIMUM	68	Jul 7	68	Jul 12 2000
10 PERCENT EXCEEDS	93		105	
50 PERCENT EXCEEDS	82		89	
90 PERCENT EXCEEDS	71		74	

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.

Low-flow partial-record stations

About 400 discharge measurements made at low-flow partial-record and miscellaneous discharge measurement sites during 1980 and 1981 are published in Water Resources Investigation 84-4299, "Low-Flow Frequency Analyses for Streams in West-Central Florida."

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 2001

Station Number	Station Name	Location	Drainage area (mi^2)	Period of record	Date	Annual Gage height (feet)	Maximum Discharge (ft^3/s)
		Peace River Basin					
02295630	Thompson Branch near Wauchula, FL	Lat 27°31'47", long 81°49'03",in $SE^1/_4$ sec.9, T.34 S., R.25 E., Hardee County, Hydrologic Unit 03100101, at culvert on County Road 35A, 1.3 mi south of intersection State Highway 650 and U.S. Highway 17 in Wauchula, and 2.1 mi upstream from mouth. The annual gage height and maximum discharge data for the 1997 water year are in error. The corrected date is September 28, 1997. The corrected gage height is 10.44 ft and the corrected discharge is 465 cfs.	5.22	1983-2001	09-16-01	10.07	416
02296260	Charlie Creek near Crewsville, FL	Lat 27°27'33", long 81°40'43", in $SE^1/_4$ sec.2, T.35 S., R.26 E., Hardee County, Hydrologic Unit 03100101, at bridge on State Highway 66, 7.1 mi west of Crewsville, and 14.5 mi upstream from mouth.	142	1981-2001	09-14-01	20.95	5,420
02297088	Hawthorn Creek near Nocatee, FL	Lat 27°09'02", long 81°51'31", in $NW^1/_4$ sec.30, T.37 S., R.25 E., De Soto County, Hydrologic Unit 03100101, at bridge on County Road 760-A, 1.2 mi above mouth, and 1.8 mi east of Nocatee. The annual gage height and maximum discharge data for the 1997 water year are in error. The corrected date is September 28, 1997. The corrected gage height is 14.35 ft and the corrected discharge is 1,977 cfs.	39	1983-2001	09-14-01	14.96	2,600

See footnotes at end of the table.

Annual maximum discharge at crest-stage partial-record stations during water year 2001

Station Number	Station Name	Location	Drainage area (mi^2)	Period of record	Date	Annual Gage height (feet)	Maximum Discharge (ft^3/s)
		Peace River Basin--Continued					
02297251	Horse Creek near Limestone, FL	Lat 27°21'58", long 81°58'25", in NW$^1/_4$ sec.12, T.36 S., R.23 E., Hardee County, Hydrologic Unit 03100101, at bridge on State Highway 665, 4.5 mi west of Limestone, and 30.5 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). The annual maximum discharge data for the 1994 WY is in error. The corrected discharge is 3,450 cfs.	130	1981-2001	09-14-01	†	†
02297320	Horse Creek near Nocatee, FL	Lat 27°09'31", long 81°57'58", in NE$^1/_4$ sec.24, T.38 S., R.23 E., De Soto County, Hydrologic Unit 03100101, at bridge on State Highway 761, 5.1 mi west of Nocatee, and 6.6 mi upstream from mouth. Datum of gage is National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).	231	1981-2001	09-16-01	19.36	7,220
		Little Manatee River Basin					
02300200	South Fork Little Manatee River near Duette, FL	Lat 27°35'25", long 82°10'57", in SW$^1/_4$ sec.23, T.33 S., R.21 E., Manatee County, Hydrologic Unit 03100203, at bridge on county road, 0.5 mi upstream from Graveyard Creek, 3.7 mi west of Duette, and 12 mi upstream from mouth. Datum of gage is 89.25 ft above National Geodetic Vertical Datum of 1929.	a9.4	1960-2001	09-15-01	5.11	660
		Hillsborough River Basin					
02301743	North Archie Creek at 82nd Street near Tampa, FL	Lat 27°53'37", long 82°21'56", in NW$^1/_4$ sec.12, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, on right culvert wingwall near right bank on 82nd Street, 0.4 mi south of Progress Village Boulevard, and 6.8 mi southeast of Tampa. Datum of gage is National Geodetic Vertical Datum of 1929.	7.53	1999-2001	06-15-99 09-07-00 09-15-01	11.12 11.09 13.55	† † †

† Not determined
a Approximately

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 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
Hillsborough River Basin						
Hillsborough River	Hillsborough Bay	Lat 28°10'30", long 82°11'20", in $SE^1/_4$ sec.34, T.26 S., R.21 E., Pasco County, Hydrologic Unit 03100205, on left bank, 0.2 mi downstream from Crystal Springs, 2.0 mi west of Village of Crystal Springs, and 4.0 mi south of Zephyrhills.	†	1935-2000	10-24-00	45
					11-27-00	41
					01-26-01	34
					02-20-01	32
					03-22-01	33
					04-18-01	32
					05-01-01	31
					05-29-01	29
					06-07-01	35
					07-26-01	42
					08-24-01	97
Pemberton Creek	Baker Creek	Lat 28°01'34", long 82°14'12", in $SE^1/_4$ sec.19, T.28 S., R.21 E., Hillsborough County, Hydrologic Unit 03100205, on county highway bridge, 1.8 mi upstream from Baker Creek, 2.5 mi northwest of Dover, and 7.1 mi upstream from mouth.	a24.1	1956-2000	10-05-00	3.4
					12-01-00	1.7
					01-25-01	0
					03-23-01	0
					05-23-01	0
					05-24-01	0
					07-24-01	22

a Approximately
† Undetermined

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
02300200 SOUTH FORK LITTLE MANATEE RIVER NEAR DUETTE FL (LAT 27 35 25N LONG 082 10 57W)													
NOV 2000													
20...	0830	-1.16	.30	--	5.2	7.2	359	18.8	--	--	--	--	--
FEB 2001													
12...	0845	-1.03	.66	--	4.8	7.1	361	19.9	--	--	--	--	--
MAY													
24...	0941	-1.17	.81	--	5.1	7.1	342	22.4	--	--	--	--	--
JUL													
12...	1015	-0.27	--	120	5.3	6.9	349	24.9	32.0	12.0	15.0	10.0	18.0
AUG													
13...	1015	2.29	115	--	5.8	6.4	114	26.0	--	--	--	--	--
SEP													
18...	1053	1.70	--	200	5.4	6.0	110	24.3	10.0	3.90	4.70	3.4	7.6
02303200 PEMBERTON CREEK NEAR DOVER FL (LAT 28 01 34N LONG 082 14 12W)													
NOV 2000													
20...	1030	51.24	--	--	8.4	7.7	414	17.4	--	--	--	--	--
FEB 2001													
12...	1015	51.25	--	--	6.8	7.6	391	19.6	--	--	--	--	--
AUG													
13...	1226	53.89	--	--	6.0	6.7	171	27.3	--	--	--	--	--
20...	1128	52.52	--	--	6.9	6.9	197	27.1	--	--	--	--	--
SEP													
18...	1550	53.92	--	--	6.2	6.0	156	26.3	--	--	--	--	--
24...	1100	52.59	--	--	6.5	6.5	189	26.0	--	--	--	--	--
02307498 LAKE TARPON CANAL AT S-551, NEAR OLDSMAR FL (LAT 28 03 12N LONG 082 42 40W)													
JUL 2001													
02...	0725	3.15	--	50	7.8	7.2	1040	26.5	54.0	14.0	5.40	110	240
SEP													
10...	0818	3.10	--	80	3.1	7.0	1060	28.6	52.0	15.0	5.90	120	250

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
02300200 SOUTH FORK LITTLE MANATEE RIVER NEAR DUETTE FL (LAT 27 35 25N LONG 082 10 57W)											
NOV 2000											
20...	--	--	--	--	.57	.07	.6	.01	.600	.630	--
FEB 2001											
12...	--	--	--	--	.50	.03	.3	<.01	.580	.600	--
MAY											
24...	--	--	--	--	.46	.02	.1	<.01	.470	.530	--
JUL											
12...	.5	10.0	60.0	247	1.1	.05	.2	<.01	.530	.550	1200
AUG											
13...	--	--	--	--	1.7	.03	.1	<.01	.610	.660	--
SEP											
18...	.2	4.7	8.6	E103	1.2	.04	.1	<.01	.580	.640	220
02303200 PEMBERTON CREEK NEAR DOVER FL (LAT 28 01 34N LONG 082 14 12W)											
NOV 2000											
20...	--	--	--	--	.21	.02	<.02	<.01	.240	.330	--
FEB 2001											
12...	--	--	--	--	.32	.03	<.02	<.01	.250	.240	--
AUG											
13...	--	--	--	--	1.6	.05	.2	<.01	.490	1.00	--
20...	--	--	--	--	1.6	.03	.2	<.01	.500	.750	--
SEP											
18...	--	--	--	--	1.6	.06	.1	.01	.580	.950	--
24...	--	--	--	--	1.9	.11	.2	.01	.670	.850	--
02307498 LAKE TARPON CANAL AT S-551, NEAR OLDSMAR FL (LAT 28 03 12N LONG 082 42 40W)											
JUL 2001											
02...	.2	5.5	40.0	633	.91	.03	M	<.01	.060	.100	230
SEP											
10...	.2	5.8	31.0	E675	.80	.07	<.02	<.01	.050	.040	240

ELEVATION OF LAKES

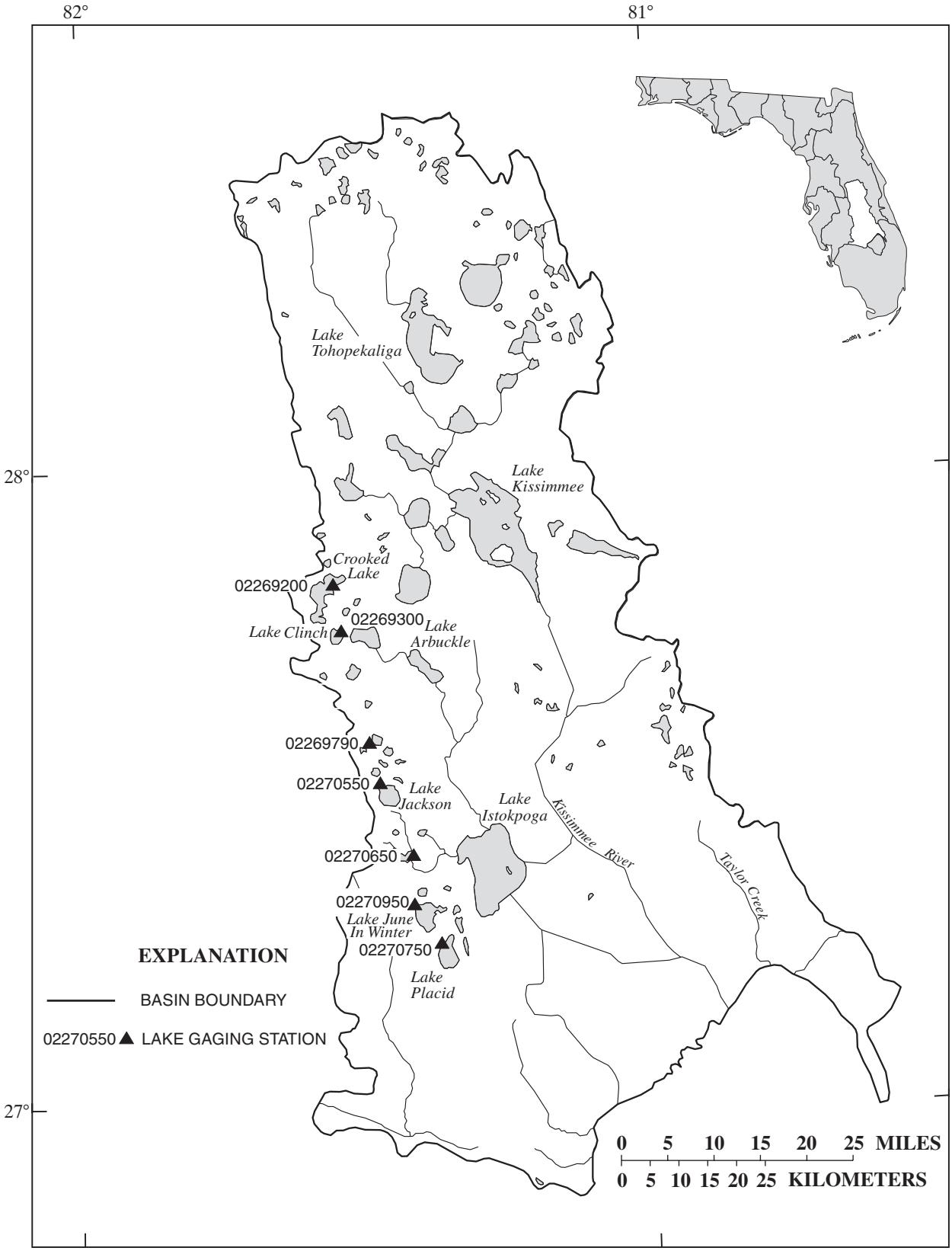

Figure 17.--Location of lake gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

KISSIMMEE RIVER BASIN

02269200 CROOKED LAKE NEAR BABSON PARK, FL

LOCATION.--Lat 27°49'39", long 81°33'12", in SE $^1/_4$ sec.31, T.30 S., R.28 E., Polk County, Hydrologic Unit 03090101, on a peninsula point on east shore near north end of lake, and 1.5 mi west of Babson Park.
SURFACE AREA.--5,533 acres (8.65 mi^2).
DRAINAGE AREA.--31.3 mi^2.
PERIOD OF RECORD.--April 1945 to current year (weekly), 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Feb. 6, 1968, at site 0.2 mi west at datum 15.71 ft higher; Feb. 7, 1968, to Apr. 16, 1976, at same site at datum 15.71 ft higher.
REMARKS.--Lake is one of the Arbuckle Creek headwaters chain of lakes. Lake level controlled by concrete control with removable boards.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 124.1 ft, about Sept. 11, 1960, from floodmark; minimum observed, 106.10 ft, May 20, 1991.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 116.96 ft, Oct. 7; minimum observed, 113.50 ft, July 25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	115.96	---	---	---	---	---	113.70	---	---	---
3	---	---	---	---	115.20	---	---	---	---	---	---	---
4	---	116.34	---	---	---	---	---	114.28	113.74	---	---	---
5	---	---	---	---	---	114.93	---	---	---	---	---	---
6	---	---	---	115.52	---	---	114.78	---	---	---	113.78	---
7	116.96	---	---	---	---	---	---	---	---	113.52	---	---
8	---	---	---	---	---	---	---	---	113.68	---	---	---
9	---	---	115.86	---	---	---	---	---	---	---	---	---
10	---	---	---	---	115.16	114.78	114.67	---	---	---	---	---
11	---	116.26	---	---	---	---	---	---	---	---	---	---
12	---	---	---	115.42	---	---	---	113.95	---	---	---	---
13	---	---	---	---	115.11	114.79	---	---	---	---	---	---
14	116.70	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	115.83	---	---	---	---	---	---	---	---	---
17	---	116.16	---	---	115.10	114.68	114.64	---	113.58	113.54	---	---
18	116.68	---	115.75	---	---	---	---	---	---	---	---	115.28
19	---	---	115.81	115.37	---	---	---	113.84	113.58	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	116.55	116.09	---	---	115.04	---	114.44	---	---	---	113.76	---
22	---	---	---	---	---	---	---	113.92	---	---	---	115.30
23	---	---	115.72	115.37	---	---	---	---	---	---	---	---
24	116.56	---	---	---	114.95	114.58	---	---	---	---	---	---
25	---	116.00	---	115.37	---	---	---	---	---	113.50	---	115.49
26	---	---	---	---	114.97	---	114.40	113.68	113.58	---	---	---
27	---	---	---	115.26	---	114.57	---	---	---	---	---	---
28	116.44	116.04	---	---	---	---	114.28	---	113.63	---	---	115.45
29	---	---	115.62	---	---	---	---	---	---	---	113.57	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	116.35	---	---	---	---	114.86	---	113.73	---	---	---	---

KISSIMMEE RIVER BASIN

02269300 LAKE CLINCH AT FROSTPROOF, FL

LOCATION.--Lat 27°45'15", long 81°32'25", in SW $\frac{1}{4}$ sec.29, T.31 S., R.28 E., Polk County, Hydrologic Unit 03090101, on north shore of lake, near private pier, and 0.9 mi northwest of Frostproof.
SURFACE AREA.--1,194 acres (1.87 mi^2).
DRAINAGE AREA.--42.0 mi^2.
PERIOD OF RECORD.--January 1947 to December 1977 (weekly), incomplete; January 1978 to November 1981 (incomplete); December 1981 to September 1996 (weekly), incomplete; October 1996 to current year (monthly), 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Sept. 13, 1953, at site 0.8 mi southeast at same datum.
REMARKS.--Lake is one of the Arbuckle Creek headwater lakes. Outflow is to Reedy Lake.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 110.20 ft, on or about Oct. 10, 1948, from floodmark; minimum observed, 100.20 ft, June 4, 12, 1986.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 102.88 ft, Oct. 31; minimum observed, 100.80 ft, June 21.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	101.20	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	101.48	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	101.24	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	101.71	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	101.87	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	102.74
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	101.58	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	102.38	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	100.80	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	102.88	---	---	---	---	---	---	101.05	---	---	---	---

KISSIMMEE RIVER BASIN

02269790 LAKE LOTELA NEAR AVON PARK, FL

LOCATION.--Lat 27°34'38", long 81°29'38", in SW $\frac{1}{4}$ sec.26, T.33 S., R.28 E., Highlands County, Hydrologic Unit 03090101, on west shore of lake near intake channel at power plant, and 1.5 mi southeast of Avon Park.
SURFACE AREA.--795 acres (1.24 mi^2).
DRAINAGE AREA.--12.2 mi^2.
PERIOD OF RECORD.--September 1950 to September 1975 (weekly), incomplete; October 1979 to August 1981 (twice weekly), incomplete; September 1981 to September 1988 (incomplete); October 1988 to September 1996 (weekly), incomplete; October 1996 to current year (monthly), incomplete.
GAGE.--Nonrecording gage. Datum of gage is 52.75 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Feb. 6, 1973, at several locations 1 mi northeast at datum 47.18 ft higher; Feb. 6, 1973, to Sept. 24, 1973, at site 200 ft north at datum 47.18 ft higher; Sept. 24, 1973, to May 27, 1987, at present site at datum 47.18 ft higher.
REMARKS.--Lake is one of a chain of lakes in the headwaters of Carter Creek, a tributary of Arbuckle Creek. Lake has two outlets which join before entering Lake Letta; one outlet has a concrete dam with removable boards, the other outlet flows only at high lake elevations.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 109.38 ft, July 25, 1954; minimum observed, 97.45 ft, June 28, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 100.89 ft, Oct. 5; minimum observed, 97.45 ft, June 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	100.89	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	97.90	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	98.48	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	98.00	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	99.72
19	---	---	99.65	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	98.60	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	100.58	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	99.03	---	---	---	---	---	98.44	---	99.92
26	---	---	---	---	98.62	---	98.08	---	---	---	---	---
27	---	---	---	---	---	98.03	---	---	---	---	---	---
28	---	99.95	---	---	---	---	---	---	97.45	---	---	---
29	---	---	---	---	---	---	---	---	---	---	98.53	---
30	---	99.79	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	97.58	---	---	---	---

KISSIMMEE RIVER BASIN

02270550 LAKE JACKSON AT SEBRING, FL

LOCATION.--Lat 27°30'49", long 81°28'33", in NW $\frac{1}{4}$ sec.24, T.34 S., R.28 E., Highlands County, Hydrologic Unit 03090101, on north shore of northwest bay of lake, and 2.4 mi northwest of Sebring.
SURFACE AREA.--3,244 acres (5.07 mi^2).
DRAINAGE AREA.--14.0 mi^2.
PERIOD OF RECORD.--April 1945 to August 1958 (weekly), incomplete; September 1958 to April 1968; May to August 1968 (weekly); September 1968 to September 1975; November 1979 to September 1994 (twice weekly), incomplete; October 1994 to current year (monthly). Prior to October 1957, published as Rex Beach Lake at Sebring. Records of elevations prior to October 1960 are available in files of the Geological Survey.
GAGE.--Nonrecording gage. Datum of gage is 90.04 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Sept. 16, 1958, at several sites southeast on east shore of lake at datum 6.27 ft higher; Sept. 16, 1958, to Sept. 30, 1975, at site 0.3 mi southeast at former datum.
REMARKS.--Lake is in the Highlands Ridge section of Highlands County and is one of the Josephine Creek headwater lakes which drains southward through Josephine Creek and its tributaries into Lake Istokpoga. Since February 1946, outflow from lake controlled by concrete dam at head of Jackson Creek; present control completed in August 1971 with crest at elevation 102.7 ft.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 103.76 ft, Sept. 19, 1947; minimum observed, 97.16 ft, May 24, 1982. Maximum elevation known, 104.7 ft in 1953 on south side of lake (elevation on north side was about 0.7 ft lower) due to hurricane, observed by location engineer, Florida Department of Transportation.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 101.04 ft, Oct. 5; minimum observed, 98.63 ft, June 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	101.04	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	98.84	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	100.00
11	---	---	---	---	---	---	99.22	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	98.70	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	100.56
19	---	---	100.00	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	99.30	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	100.69	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	99.60	---	---	---	---	---	99.50	---	100.73
26	---	---	---	---	99.28	---	98.89	---	---	---	---	---
27	---	---	---	---	---	98.81	---	---	---	---	---	---
28	---	100.21	---	---	---	---	---	---	98.63	---	---	---
29	---	---	---	---	---	---	---	---	---	---	99.25	---
30	---	100.18	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	98.66	---	---	---	---

KISSIMMEE RIVER BASIN

02270650 LAKE JOSEPHINE NEAR DE SOTO CITY, FL

LOCATION.--Lat 27°24'00", long 81°25'10", in SE $^1/_4$ sec.28, T.35 S., R.29 E., Highlands County, Hydrologic Unit 03090101, on east shore of lake at boat dock, 3.0 mi southwest of De Soto City, and 6.5 mi southeast of Sebring.
SURFACE AREA.--1,240 acres (1.94 mi^2).
DRAINAGE AREA.--46.3 mi^2.
PERIOD OF RECORD.--December 1946 to July 1955 (weekly), incomplete; August 1955 to September 1975 (weekly); October 1982 to September 1992; October 1992 to May 1994 (weekly), incomplete; June 1994 to March 1996 (incomplete); April 1996 to current year (monthly). 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 (Florida Department of Transportation bench mark). Prior to Aug. 19, 1955, nonrecording gage at site on east shore of lake at datum 65.73 ft higher; Aug. 20, 1955, to May 21, 1975, nonrecording gage at site 0.1 mi south at present datum; May 21, 1975, to Sept. 30, 1992, water-stage recorder at present site at present datum; Oct. 1, 1992, to June 9, 1994, nonrecording gage at present site at present datum; June 10, 1994, to Mar. 12, 1996, water-stage recorder at present site at present datum.
REMARKS.--Lake is one of Josephine Creek headwaters chain of lakes at head of Josephine Creek which drains east-ward to Lake Istokpoga. Outflow from lake controlled by concrete dam near head of Josephine Creek since April 1965.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 76.80 ft, Sept. 26, 1948, from floodmark; minimum observed, 69.09 ft, May 29, 1962.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 71.77 ft, Sept. 26 minimum observed, 70.59 ft, Mar. 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	71.18	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	71.46	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	70.84	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	71.18
11	---	---	---	---	---	---	71.10	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	71.44	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	71.15	---	---	---	---	---	---	---	---	---
20	71.47	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	70.88	---	---	---	71.14	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	70.93	---	---	71.66	71.48	---
25	---	---	---	71.00	---	---	---	70.74	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	71.77
27	---	---	---	---	---	70.59	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	71.18	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

KISSIMMEE RIVER BASIN

02270750 LAKE PLACID NEAR LAKE PLACID, FL

LOCATION.--Lat 27°15'37", long 81°22'22", in NE ¼ sec.13, T.37 S., R.29 E., Highlands County, Hydrologic Unit 03090101, on northwest shore of lake, on private dock, 0.7 mi northeast of head of Placid-June Canal, and 2.8 mi south of town of Lake Placid.
SURFACE AREA.--3,381 acres (5.28 mi^2).
DRAINAGE AREA.--20.2 mi^2.
PERIOD OF RECORD.--June 1931 to July 1941 (weekly), incomplete; April 1945 to December 1952 (weekly), incomplete; January 1953 to September 1975; October 1979 to current year (twice weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.
GAGE.--Nonrecording gage. Datum of gage is 79.66 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Jan. 14, 1953, nonrecording gage at same site at present datum; Jan. 14, 1953, to Nov. 28, 1973, water-stage recorder at same site at present datum; Nov. 28, 1973, to Sept. 30, 1975, water-stage recorder at same site at datum 79.66 ft lower; Oct. 1, 1979, to Apr. 17, 1981, nonrecording gage at site 0.2 mi northeast at present datum.
REMARKS.--Lake is in the Highlands Ridge section of Highlands County, and is one of the Lake Placid west chain of lakes which drains northward into Josephine Creek. Outflow from lake is to Lake June-in-Winter (west-chain) to Lake Huntley (east chain), and to Mirror Lake (no surface outlet).
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 96.0 ft (estimated), Sept. 11, 12, 1960; minimum observed, 88.30 ft, June 19, 1989.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 91.66 ft, Sept. 30; minimum observed, 88.80 ft, July 8.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	89.46	---	---	---	---	---
2	---	---	---	---	---	89.62	---	---	---	---	---	---
3	91.30	90.92	90.46	90.12	---	---	---	---	---	---	---	---
4	---	---	---	---	89.86	---	---	---	---	---	---	---
5	---	---	---	---	---	89.60	89.44	89.05	---	---	---	---
6	91.42	90.88	90.44	90.08	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	90.70
8	---	---	---	---	---	89.52	89.42	---	---	88.80	---	---
9	91.40	90.86	90.40	---	---	---	---	---	---	---	---	90.90
10	---	---	---	90.04	89.82	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	91.22	90.80	---	---	---	89.48	89.50	---	---	---	---	---
13	---	---	---	---	---	---	---	88.90	---	---	---	---
14	---	---	---	---	89.78	---	---	---	---	---	---	---
15	91.20	90.72	---	---	---	---	89.46	---	---	---	90.16	91.54
16	---	---	---	90.00	---	89.44	---	---	---	---	---	---
17	---	---	---	---	89.76	---	---	---	---	---	---	---
18	91.16	90.70	---	---	---	89.40	89.40	---	---	---	---	91.58
19	---	---	---	---	---	---	---	---	---	89.38	---	---
20	---	---	---	89.96	---	---	---	---	---	---	---	91.60
21	91.12	90.62	---	---	89.74	---	89.34	---	---	---	90.36	---
22	---	---	---	---	---	89.38	---	---	---	---	---	---
23	---	---	90.30	---	---	---	89.28	---	---	---	---	---
24	91.06	---	---	---	89.72	---	---	---	---	---	90.40	---
25	---	---	---	---	---	---	89.22	---	88.84	---	---	---
26	---	90.56	90.26	---	89.70	89.35	---	---	---	---	---	91.62
27	91.02	---	---	---	---	---	---	---	---	89.76	---	---
28	---	---	---	---	---	---	89.16	---	---	---	---	---
29	---	---	90.22	---	---	---	---	---	88.82	---	---	---
30	---	90.52	---	---	---	---	89.10	---	---	---	---	91.66
31	90.96	---	90.18	89.90	---	89.44	---	---	---	---	---	---

02270950 LAKE JUNE-IN-WINTER NEAR LAKE PLACID, FL

LOCATION.--Lat 27°19'19", long 81°25'08", in NE $^1/_4$ sec.28, T.36 S., R.29 E., Highlands County, Hydrologic Unit 03090101, near northwest bay of lake, at boat pier, 150 ft east of Stearns Creek, and 3.6 mi northwest of town of Lake Placid.
SURFACE AREA.--3,662 acres (5.72 mi^2).
DRAINAGE AREA.--44.0 mi^2.
PERIOD OF RECORD.--April 1945 to December 1952 (weekly); January 1953 to January 1968; February 1968 to August 1980 (weekly); August 1980 to April 2000; May 2000 to current year (monthly). Records of elevations prior to October 1960 are available in files of the Geological Survey. May 1955 to January 1968, records for Stearns Creek near Lake Placid (station 02271000).
GAGE.--Nonrecording gage. Datum of gage is 65.38 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD. Prior to Jan. 20, 1953, nonrecording gage and Jan. 20, 1953, to May 23, 1955, water-stage recorder at site on southeast shore of lake on private pier at same datum; May 24, 1955, to Jan. 24, 1968, water-stage recorder on Stearns Creek 250 ft downstream from Lake June-in-Winter at same datum; February 1968 to Aug. 11, 1980, nonrecording gage at same datum; Aug. 11, 1980, to Apr. 14, 2000, water-stage recorder at present site at same datum.
REMARKS.--Lake is in the Highlands Ridge section of Highlands County and is one of the Lake Placid west chain of lakes which drain northward into Josephine Creek. From Mar. 23, 1955, to Feb. 26, 1968, lake level controlled by a 10-bay sheet-pile stoplog control in Stearns Creek. Subsequent to Feb. 26, 1968, lake level controlled by a 1-culvert stoplog structure 0.6 mi downstream on Stearns Creek and a 3-culvert stoplog structure 1.6 mi downstream on Stearns Creek Canal. Since 1972 lake level controlled by SWFWMD gated structure (G-90), 1.6 mi downstream on Stearns Creek Canal, and since December 1987 structure (G-91) controls normal lake levels, 0.6 mi downstream on Stearns Creek.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 77.58 ft, Oct. 6, 1948; minimum, 71.62 ft, May 26, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 75.06 ft, Sept. 10; minimum observed, 72.25 ft, May 16.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	73.98	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	72.38	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	75.06
11	---	---	---	---	---	---	72.86	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	72.25	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	73.22	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	73.41	---	---	---	---	---	---	---	73.25	---	---
21	---	---	---	---	72.76	---	---	---	---	---	74.23	---
22	---	---	---	---	---	72.45	---	---	---	---	---	---
23	73.72	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	72.93	---	---	---	---	---	---	---	---
25	---	---	---	72.92	---	---	---	---	72.52	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	75.04
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	72.48	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

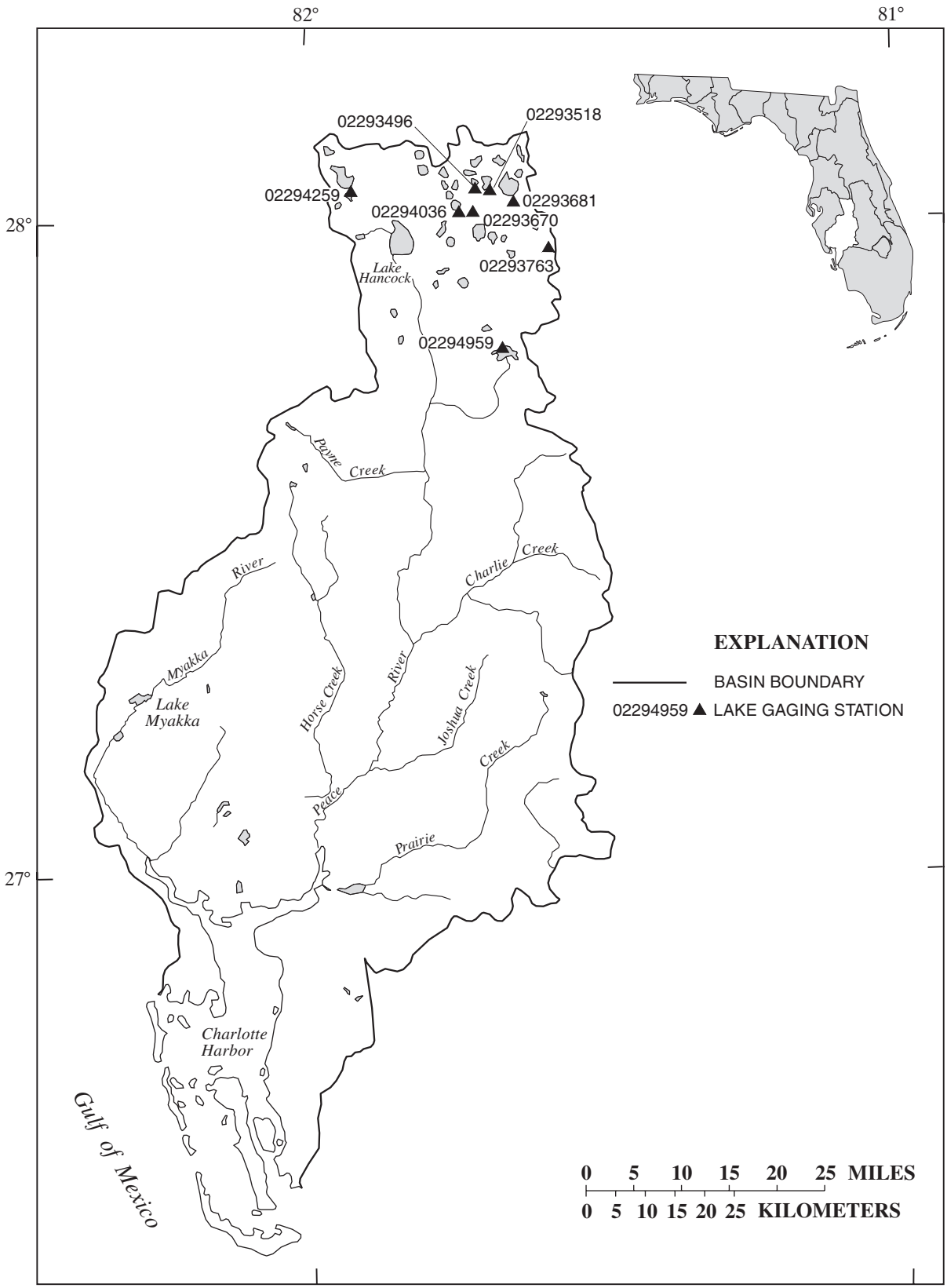

Figure 18.--Location of lake gaging stations in the Peace and Myakka River basins, Charlotte Harbor and Coastal area.

PEACE RIVER BASIN

02293496 LAKE SMART NEAR FLORENCE VILLA, FL

LOCATION.--Lat 28°03'08", long 81°42'38", in NW $\frac{1}{4}$ sec.15, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on south shore of lake, 0.4 mi southwest of Smart-Fannie Canal, 0.6 mi north of junction Avenue T NE and 11th Street NE, and 1.2 mi northeast of Florence Villa.
SURFACE AREA.--279 acres (0.44 mi^2).
DRAINAGE AREA.--17.9 mi^2.
PERIOD OF RECORD.--March 1946 to June 1948; February 1951 to January 1954 (fragmentary); April 1966 to January 1980; February 1980 to September 1993 (weekly), incomplete; October 1993 to current year (bimonthly), incomplete. Records of elevations prior to April 1966 are available in files of the Geological Survey.
GAGE.--Nonrecording gage. Datum of gage is 120.00 ft above National Geodetic Vertical Datum of 1929 (Southwest Florida Water Management District bench mark); gage readings have been reduced to elevations above NGVD. Prior to January 1954, periodic stage observations at site 500 ft east at same datum. Apr. 26, 1966, to Apr. 26, 1967, water-stage recorder on Smart-Fannie Canal at structure P-6, 0.2 mi downstream from outlet of Lake Smart at same datum; Apr. 26, 1967, to Jan. 31, 1980, water-stage recorder at present site at same 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.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 129.32 ft, Aug. 25, 1966 (affected by wind); minimum observed, 125.72 ft, June 4, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 126.23 ft, Oct. 30; minimum observed, 125.72 ft, June 4.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	125.72	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	126.06	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	126.12	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	126.13	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	126.23	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

PEACE RIVER BASIN

02293518 LAKE FANNIE NEAR FLORENCE VILLA, FL

LOCATION.--Lat 28°02'58", long 81°41'06", in NE $\frac{1}{4}$ sec.14, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on east shore of lake, 0.2 mi south of outlet of lake, 0.4 mi north of Hickory Way, and 2.6 mi east of Florence Villa.
SURFACE AREA.--833 acres (1.30 mi^2).
DRAINAGE AREA.--24.7 mi^2.
PERIOD OF RECORD.--April 1967 to September 1992; October 1992 to September 2000 (weekly), incomplete; October 2000 to September 2001 (bimonthly). Records for April to September 1966, published in WDR 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. WRD FL-78-3: Drainage area.
GAGE.--Nonrecording gage. Datum of gage is 100.00 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Feb. 11, 1976, at site 0.8 mi southwest at datum 20.00 ft higher; Feb. 11, 1976, to Sept. 30, 1992, at site 300 ft north at present datum.
REMARKS.--Lake is in a chain of lakes in the headwaters of Peace River. There are numerous concrete structures controlling lake levels.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 126.19 ft, Aug. 14, 15, 1992; minimum, 118.51 ft, May 14, 1976.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 121.92 ft, Oct. 30; minimum observed, 119.71 ft, June 6.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	119.71	---	120.57	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	120.54	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	120.88	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	121.44	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	121.92	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

PEACE RIVER BASIN

02293670 LAKE OTIS AT WINTER HAVEN, FL

LOCATION.--Lat 28°01'00", long 81°42'52", in SE $\frac{1}{4}$ sec.28, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on west shore of lake, and 1.0 mi east of Winter Haven.
SURFACE AREA.--144 acres (0.22 mi^2).
DRAINAGE AREA.--1.00 mi^2.
PERIOD OF RECORD.--August 1954 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (monthly). 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Apr. 5, 1974, at sites on northeast shore of lake, 1,800 ft northeast at same datum; Apr. 5, 1974, to Sept. 30, 1992, water-stage recorder at present site at same datum.
REMARKS.--Lake is one of the Peace River headwater lakes.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 129.18 ft, Sept. 10, 1960; minimum, 119.56 ft, May 15, 1976.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 124.20 ft, Sept. 28; minimum observed, 120.28 ft, June 12.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	120.60	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	120.28	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	122.52	---	121.88	---	---	---	---	---	---	---
23	---	---	---	---	---	121.58	---	---	---	---	---	---
24	---	---	---	---	---	---	121.37	---	---	121.04	---	---
25	---	---	---	---	---	---	---	---	---	---	---	124.08
26	123.35	122.80	---	---	---	---	---	---	120.60	---	---	---
27	---	---	---	---	121.80	---	---	---	---	121.16	---	---
28	---	---	---	---	---	121.48	121.30	---	---	---	121.95	124.20
29	---	---	---	122.10	---	---	---	---	---	---	---	---
30	---	122.78	---	122.12	---	---	---	120.58	---	---	---	---
31	123.22	---	---	---	---	---	---	---	---	---	121.96	---

PEACE RIVER BASIN

02293681 LAKE HAMILTON NEAR LAKE HAMILTON, FL

LOCATION.--Lat 28°01'54", long 81°38'42", in SE $\frac{1}{4}$ sec.19, T.28 S., R.27 E., Polk County, Hydrologic Unit 03100101, on right bank of Lake Hamilton Outlet, 100 ft upstream from control structure P-8, 0.2 mi downstream from lake, 1.2 mi southwest of town of Lake Hamilton, and 1.3 mi northwest of Dundee.
SURFACE AREA.--2,170 acres (3.39 mi^2).
DRAINAGE AREA.--20.5 mi^2.
PERIOD OF RECORD.--June 1945 to January 1963 (weekly), incomplete; February 1963 to September 1992; October 1992 to September 1995 (weekly), incomplete; October 1995 to February 1998 (incomplete); March 1998 to current year (twice monthly). 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.--Nonrecording gage. Datum of gage is 115.00 ft above National Geodetic Vertical Datum of 1929 (Peace River Valley Water Conservation and Drainage District reference mark); gage readings have been reduced to elevations above NGVD. Prior to Sept. 30, 1992, water-stage recorder at present site at same datum. 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.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 124.34 ft, Oct. 3, 1948; minimum observed, 116.69 ft, June 18, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 118.79 ft, Sept. 24; minimum observed, 116.69 ft, June 18.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	117.26	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	117.93	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	118.09	---	---	---	---	---
11	---	---	118.07	---	---	---	---	---	---	---	---	---
12	---	---	---	---	118.07	117.85	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	118.56	---	---	---	---	---	118.00	---	---	117.19	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	118.09	---	---	---	---	---	116.69	---	---	---
19	---	---	118.09	---	118.00	---	---	---	---	---	---	---
20	---	118.18	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	117.82	---	117.47	---	---	---	---
22	---	---	118.06	118.07	117.98	---	---	---	---	---	---	---
23	118.50	---	---	---	---	---	---	117.49	---	117.25	118.06	---
24	---	---	---	---	---	---	117.85	---	---	---	---	118.79
25	118.49	---	---	---	---	---	---	---	116.80	---	---	---
26	---	---	---	---	117.92	117.78	---	---	---	---	---	---
27	---	118.16	---	---	---	---	---	---	---	---	118.02	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	118.12	---	118.04	---	---	---	117.46	---	---	---	---
30	118.42	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

PEACE RIVER BASIN

02293763 LAKE STARR NEAR WAVERLY, FL

LOCATION.--Lat 27°57'17", long 81°35'33", in SW $\frac{1}{4}$ sec.14, T.29 S., R.27 E., Polk County, Hydrologic Unit 03100101, on west shore of lake at East Starr Avenue, 800 ft east of Alternate U.S. Highway 27, and 2.1 mi south of Waverly.
SURFACE AREA.--134 acres (0.21 mi^2).
DRAINAGE AREA.--1.15 mi^2 (revised).
PERIOD OF RECORD.--September 1995 to April 2001 (incomplete); May to September 2001 (daily). Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.
GAGE.--Nonrecording gage. Datum of gage is 82.87 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD. Prior to May 9, 2000, at same site at datum 20.50 ft lower. September 1995 to May 18, 2001, water-stage recorder.
REMARKS.--Lake elevation was measured as part of a special study to compute lake-water budgets.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 106.57 ft, Apr. 4, 1998; minimum observed, 96.23 ft, July 5, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 99.39 ft, Oct. 1; minimum observed, 96.23 ft, July 5.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99.38	98.84	98.43	98.08	97.86	97.56	97.48	96.87	96.50	96.26	96.76	97.09
2	99.36	98.82	98.43	98.06	97.86	97.55	97.46	96.86	96.50	96.26	96.78	97.08
3	99.36	98.80	98.42	98.04	97.86	97.53	97.45	96.88	96.48	96.25	96.85	97.17
4	99.37	98.78	98.41	98.02	97.85	97.56	97.44	96.94	96.46	96.24	96.98	97.30
5	99.36	98.77	98.39	97.99	97.85	97.57	97.43	96.93	96.49	96.23	97.05	97.30
6	99.36	98.76	98.38	97.97	97.84	97.54	97.43	96.91	96.47	96.32	97.05	97.38
7	99.35	98.74	98.36	97.96	97.83	97.50	97.41	96.89	96.46	96.30	97.06	97.45
8	99.33	98.73	98.35	97.96	97.82	97.48	97.40	96.86	96.45	96.31	97.05	97.58
9	99.30	98.71	98.35	97.97	97.81	97.46	97.38	96.84	96.47	96.38	97.04	97.97
10	99.25	98.70	98.35	97.94	97.80	97.45	97.37	96.82	96.45	96.41	97.10	98.01
11	99.22	98.68	98.35	97.93	97.80	97.44	97.35	96.80	96.44	96.44	97.09	98.01
12	99.20	98.66	98.35	97.92	97.79	97.43	97.32	96.78	96.42	96.43	97.08	98.00
13	99.17	98.65	98.34	97.91	97.78	97.43	97.30	96.76	96.40	96.42	97.07	98.01
14	99.15	98.64	98.33	97.90	97.77	97.43	97.28	96.75	96.38	96.46	97.07	98.28
15	99.13	98.62	98.33	97.90	97.76	97.41	97.26	96.73	96.36	96.56	97.06	98.30
16	99.12	98.60	98.32	97.89	97.75	97.41	97.24	96.70	96.36	96.55	97.04	98.30
17	99.10	98.58	98.31	97.89	97.73	97.40	97.21	96.68	96.34	96.54	97.05	98.31
18	99.08	98.57	98.30	97.89	97.71	97.39	97.16	96.66	96.34	96.55	97.04	98.32
19	99.07	98.55	98.28	97.88	97.69	97.38	97.12	96.62	96.31	96.54	97.05	98.31
20	99.05	98.54	98.26	97.95	97.67	97.38	97.10	96.59	96.28	96.54	97.04	98.33
21	99.04	98.52	98.23	97.94	97.66	97.36	97.07	96.57	96.26	96.65	97.04	98.34
22	99.02	98.49	98.21	97.93	97.65	97.34	97.04	96.55	96.26	96.70	97.16	98.45
23	99.00	98.47	98.19	97.92	97.63	97.31	97.02	96.54	96.31	96.68	97.14	98.47
24	98.98	98.45	98.19	97.91	97.62	97.30	97.01	96.52	96.30	96.68	97.11	98.47
25	98.96	98.44	98.17	97.90	97.61	97.28	96.99	96.50	96.30	96.66	97.09	98.49
26	98.94	98.45	98.17	97.88	97.60	97.27	97.00	96.56	96.30	96.72	97.08	98.50
27	98.92	98.47	98.16	97.88	97.59	97.25	96.96	96.54	96.31	96.72	97.07	98.51
28	98.90	98.46	98.16	97.87	97.58	97.22	96.93	96.51	96.30	96.74	97.06	98.52
29	98.89	98.45	98.16	97.87	---	97.24	96.90	96.50	96.30	96.73	97.04	98.52
30	98.88	98.44	98.15	97.86	---	97.45	96.88	96.48	96.29	96.70	97.02	98.53
31	98.86	---	98.12	97.87	---	97.47	---	96.46	---	96.70	97.11	---
MEAN	99.13	98.61	98.29	97.93	97.74	97.41	97.21	96.70	96.38	96.51	97.04	98.04
MAX	99.38	98.84	98.43	98.08	97.86	97.57	97.48	96.94	96.50	96.74	97.16	98.53
MIN	98.86	98.44	98.12	97.86	97.58	97.22	96.88	96.46	96.26	96.23	96.76	97.08

PEACE RIVER BASIN

02294036 LAKE HOWARD AT WINTER HAVEN, FL

LOCATION.--Lat 28°01'00", long 81°44'18", in SW $\frac{1}{4}$ sec.29, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on southeast shore of lake, on private dock at Winter Haven.
SURFACE AREA.--634 acres (0.99 mi^2).
DRAINAGE AREA.--12.8 mi^2.
PERIOD OF RECORD.--April 1945 to February 1946 (fragmentary); March 1946 to September 1992 (incomplete); October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (monthly). 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Feb. 14, 1946, nonrecording gage at site 2,200 ft north at datum 7.85 ft higher; Feb. 14, 1946, to May 7, 1971, water-stage recorder at site 2,200 ft north at present datum; May 7, 1971, to July 25, 1972, nonrecording gage at site 2,200 ft north at present datum; July 25, 1972, to Sept. 30, 1992, water-stage recorder at site 500 ft south at present datum; Sept. 30, 1992, to Sept. 9, 1993, nonrecording gage at site 500 ft south at present datum.
REMARKS.--Lake is in the Winter Haven chain of lakes which is controlled by a concrete dam with removable boards at the outlet of Lake Lulu.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 133.19 ft, Sept. 11, 1960 (affected by wind); minimum observed, 127.67 ft, June 4, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 130.91 ft, Sept. 25; minimum observed, 127.67 ft, June 4.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	127.67	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	129.23	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	128.48	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	128.60	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	128.92	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	128.88	---	128.48	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	128.30	---	---	128.51	---	---
25	---	---	---	---	---	---	---	---	---	---	---	130.91
26	129.50	---	---	---	---	---	---	---	128.04	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	128.22	---	---	---	---	129.00	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	129.45	129.08	---	128.63	---	---	---	127.69	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

PEACE RIVER BASIN

02294259 LAKE PARKER AT LAKELAND, FL

LOCATION.--Lat 28°02'59", long 81°55'22", in NW $\frac{1}{4}$ sec.16, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, on south shore of lake, on dock at city power plant, at Lakeland.
SURFACE AREA.--2,291 acres (3.58 mi^2).
DRAINAGE AREA.--23.6 mi^2.
PERIOD OF RECORD.--May 1949 to June 1954 (weekly), incomplete; July 1954 to August 1991; September 1991 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Dec. 7, 1950, reference point at same site at datum 37.47 ft higher; Dec. 7, 1950, to July 21, 1954, nonrecording gage at same site and July 21, 1954, to May 9, 1975, at same site at datum 26.50 ft higher; May 9, 1975 to August 6, 1991, water-stage recorder at same site at present datum.
REMARKS.--Outflow from lake is through a canal to Saddle Creek; level is controlled by structure in outlet.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 131.91 ft, June 26, 1982; minimum observed, 126.77 ft, June 22, 23, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 130.80 ft, Sept. 26, 27; minimum observed, 126.77 ft, June 22, 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129.35	128.65	128.38	128.20	127.95	127.72	128.25	127.68	127.15	127.16	128.16	128.76
2	129.05	128.60	128.37	128.20	127.95	127.72	128.20	127.66	127.15	127.18	128.16	128.75
3	129.05	128.60	128.38	128.18	127.95	127.70	128.18	127.60	127.14	127.18	128.30	128.75
4	129.10	128.65	128.35	128.20	127.96	127.68	128.20	127.65	127.18	127.14	128.39	128.74
5	129.09	128.65	128.34	128.10	128.00	127.85	128.10	127.62	127.12	127.12	128.46	128.77
6	129.09	128.58	128.30	128.10	128.00	127.85	128.10	127.64	127.10	127.10	128.60	128.77
7	129.08	128.56	128.35	128.10	127.94	127.80	128.10	127.62	127.08	127.08	128.70	128.79
8	129.09	128.54	128.40	128.09	127.90	127.80	128.10	127.60	127.08	127.09	128.74	128.80
9	129.09	128.55	128.40	128.10	127.90	127.72	128.10	127.52	127.08	127.10	128.80	129.36
10	129.09	128.51	128.35	128.10	127.92	127.74	128.09	127.49	127.07	127.10	128.82	129.46
11	129.00	128.50	128.32	128.10	127.92	127.74	128.06	127.48	127.00	127.09	128.82	129.47
12	129.00	128.50	128.32	128.10	127.90	127.70	128.04	127.46	127.00	127.09	128.82	129.50
13	128.90	128.50	128.32	128.15	127.90	127.70	128.04	127.43	126.99	127.10	128.90	129.50
14	128.90	128.55	128.30	128.10	127.90	127.70	128.04	127.42	126.96	127.15	128.80	130.10
15	128.80	128.60	128.30	128.08	127.90	127.70	128.04	127.40	127.00	127.45	128.90	130.30
16	128.86	128.45	128.28	128.08	127.90	127.68	128.18	127.39	126.83	127.50	128.95	130.30
17	128.88	128.40	128.28	128.08	127.90	127.66	127.98	127.37	126.79	127.48	128.95	130.45
18	128.88	128.40	128.25	128.08	127.90	127.66	128.10	127.37	126.80	127.54	128.91	130.45
19	128.80	128.40	128.25	128.08	127.86	127.66	127.86	127.36	126.82	127.56	128.88	130.45
20	128.80	128.49	128.26	128.06	127.84	127.76	127.86	127.34	126.79	127.58	128.92	130.49
21	128.80	128.46	128.26	128.04	127.82	127.80	127.86	127.28	126.78	127.66	128.92	130.49
22	128.80	128.40	128.21	128.05	127.80	127.80	127.86	127.28	126.77	127.75	128.92	130.49
23	128.80	128.35	128.21	128.05	127.79	127.80	127.68	127.25	126.77	127.78	128.92	130.55
24	128.80	128.35	128.20	128.00	127.77	127.70	127.78	127.20	126.80	127.82	128.92	130.55
25	128.70	128.35	128.20	128.00	127.80	127.70	127.78	127.19	126.88	127.88	128.92	130.75
26	128.70	128.37	128.20	127.98	127.78	127.70	127.80	127.19	126.84	128.00	128.95	130.80
27	128.70	128.42	128.12	127.96	127.80	127.70	127.70	127.19	127.00	128.00	128.95	130.80
28	128.68	128.50	128.20	127.96	127.80	127.64	127.78	127.16	127.09	127.96	---	130.78
29	128.68	128.40	128.22	127.95	---	127.59	127.72	127.18	127.09	128.01	---	130.76
30	128.70	128.40	128.22	127.96	---	128.06	127.68	127.18	127.15	128.01	128.76	130.76
31	128.68	---	128.22	127.95	---	128.12	---	127.20	---	128.01	128.75	---
MEAN	128.90	128.49	128.28	128.07	127.88	127.75	127.98	127.40	126.98	127.47	128.76	129.89
MAX	129.35	128.65	128.40	128.20	128.00	128.12	128.25	127.68	127.18	128.01	128.95	130.80
MIN	128.68	128.35	128.12	127.95	127.77	127.59	127.68	127.16	126.77	127.08	128.16	128.74

PEACE RIVER BASIN

02294959 LAKE BUFFUM NEAR ALTURAS, FL

LOCATION.--Lat 27°48'30", long 81°40'01", in SE $\frac{1}{4}$ sec.1, T.31 S., R.26 E., Polk County, Hydrologic Unit 03100101, on north shore of lake, 5.4 mi southeast of Alturas.
SURFACE AREA.--1,570 acres (2.45 mi^2).
DRAINAGE AREA.--10 mi^2.
PERIOD OF RECORD.--April 1972 to September 1994 (weekly), incomplete; October 1994 to current year (monthly).
GAGE.--Nonrecording gage. Datum of gage is 96.62 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District); gage readings have been reduced to elevations above NGVD.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 132.42 ft, Sept. 29, 1979, Feb. 24, 1998; minimum observed, 124.04 ft, July 1, 1991.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 129.94 ft, Sept. 25; minimum observed, 126.92 ft, June 26.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	127.00	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	127.37	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	127.90	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	128.32	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	128.86	---	---	---	---	---	---	---	---	---
20	---	---	128.84	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	127.45	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	127.62	---	---	127.10	---	---
25	129.49	---	---	---	---	---	---	---	---	---	---	129.94
26	---	---	---	---	---	---	---	---	126.92	---	---	---
27	---	---	---	---	128.16	---	---	---	---	---	---	---
28	---	---	---	---	---	127.78	---	---	---	---	127.34	---
29	---	129.06	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	129.42	---	---	128.44	---	---	---	127.04	---	---	---	---

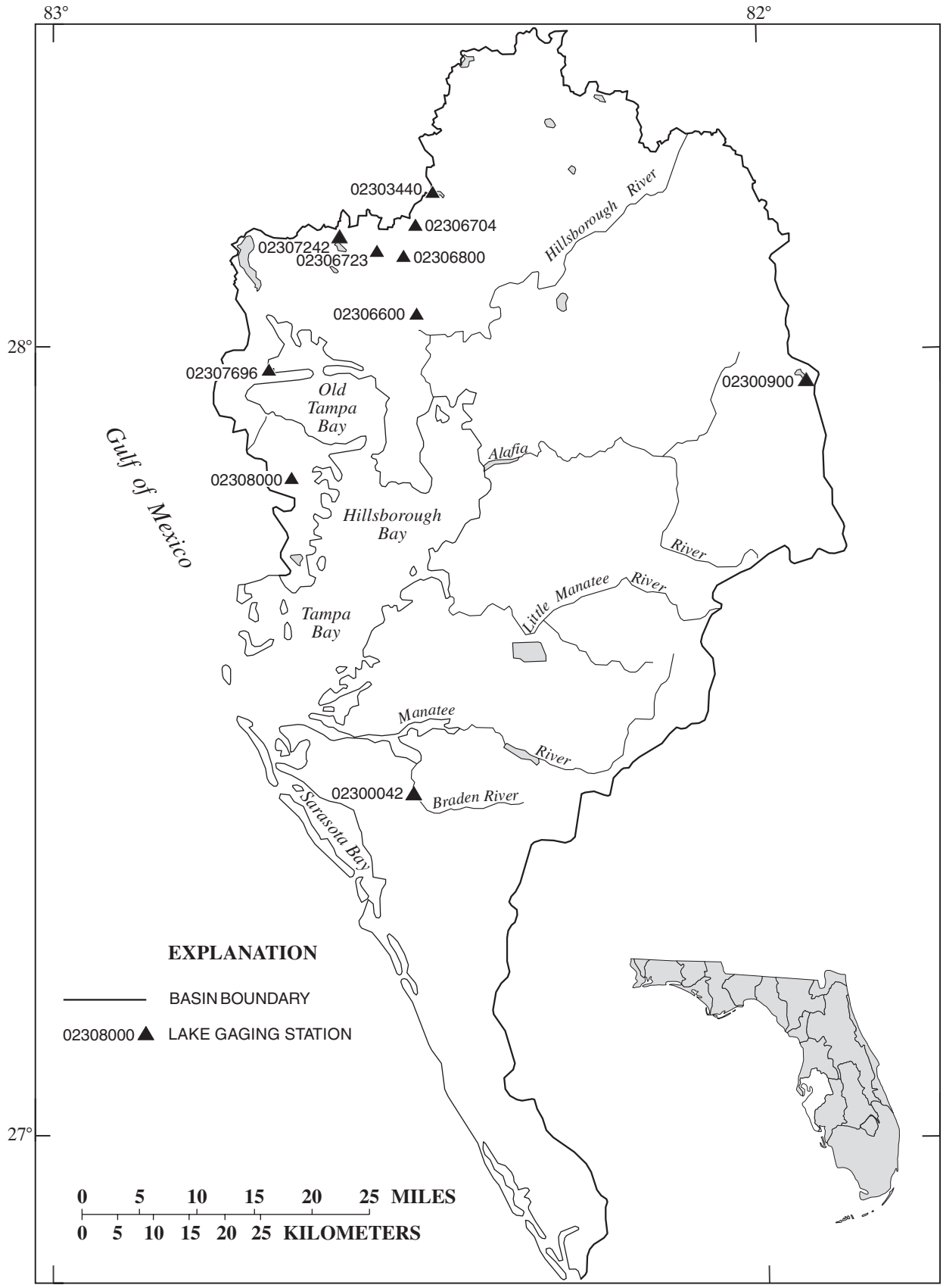

Figure 19.--Location of lake gaging stations in the Manatee, Little Manatee, Alafia, Hillsborough River basins, Tampa Bay and coastal area.

MANATEE RIVER BASIN

02300042 WARD LAKE NEAR BRADENTON, FL

LOCATION.--Lat 27°26'28", long 82°29'16", in NE $^1/_4$ sec.15, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on west shore of lake, 40 ft upstream from control structure, and 5 mi southeast of Bradenton.
SURFACE AREA.--57.6 acres (0.09 mi^2).
DRAINAGE AREA.--59.5 mi^2, approximately.
PERIOD OF RECORD.--November 1942 to September 1947 (four times weekly); August 1976 to current year. Records of elevations prior to August 1976 are available in files of the Geological Survey.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1987, on east shore of lake at same datum; Oct. 1, 1987, to Apr. 9, 1992, on west shore of lake at same datum.
REMARKS.--Lake elevations affected by diversion by city of Bradenton. Some elevations 1997, 2000, and 2001 water years provided by City of Bradenton.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.15 ft, Sept. 7, 1988; minimum observed, 3.23 ft below NGVD, June 24, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.58 ft, Sept. 14; minimum observed, 0.01 ft below NGVD, Mar. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.98	3.34	2.60	2.12	1.84	.95	4.10	3.07	1.45	4.11	4.08	3.95
2	3.97	3.29	2.59	2.11	1.84	.91	4.03	3.03	1.39	4.37	4.08	3.94
3	3.96	3.25	2.57	2.09	1.81	.88	3.98	3.00	1.34	4.27	4.17	3.94
4	3.94	3.22	2.55	2.08	1.78	.92	3.96	2.98	1.43	4.19	4.14	3.94
5	3.93	3.18	2.52	2.05	1.76	.85	3.94	2.94	1.86	4.28	4.12	4.01
6	3.94	3.13	2.49	2.04	1.73	.80	3.93	2.89	1.92	4.23	4.17	4.02
7	3.97	3.10	2.47	2.03	1.70	.77	3.91	2.83	2.03	4.09	4.15	4.12
8	3.95	3.07	2.45	2.02	1.68	.75	3.90	2.78	2.08	4.03	4.14	4.16
9	3.92	3.02	2.43	2.00	1.66	.70	3.88	2.71	2.08	4.03	4.35	4.18
10	3.90	3.01	2.42	1.99	1.65	.67	3.88	2.66	2.05	4.05	4.31	4.09
11	3.88	3.00	2.40	2.00	1.63	.63	3.87	2.61	2.01	4.08	4.21	4.10
12	3.87	2.97	2.41	2.01	1.58	.61	3.85	2.56	1.95	4.15	4.14	4.16
13	3.85	2.95	2.41	2.00	1.56	.55	3.84	2.50	1.90	4.13	4.11	4.16
14	3.84	2.91	2.40	1.99	1.54	.51	3.82	2.44	1.85	4.17	4.11	4.91
15	3.83	2.88	2.39	2.00	1.49	.49	3.80	2.39	1.79	4.17	4.08	5.16
16	3.80	2.84	2.37	2.00	1.46	.44	3.75	2.34	1.71	4.12	4.06	4.71
17	3.78	2.82	2.34	1.97	1.43	.41	3.71	2.27	1.65	4.10	4.02	4.39
18	3.76	2.79	2.31	1.96	1.39	.42	3.66	2.22	1.68	4.08	4.01	4.25
19	3.73	2.77	2.29	1.97	1.35	.37	3.62	2.17	1.69	4.04	4.20	4.17
20	3.70	2.74	2.25	1.98	1.28	.31	3.58	2.12	1.77	4.08	4.22	4.13
21	3.68	2.68	2.22	1.99	1.26	.27	3.53	2.06	2.13	4.12	4.12	4.11
22	3.66	2.63	2.20	1.97	1.22	.25	3.49	1.99	2.48	4.63	4.07	4.09
23	3.63	2.59	2.18	1.96	1.20	.21	3.43	1.96	2.88	4.74	4.05	4.09
24	3.58	2.56	2.16	1.95	1.15	.19	3.39	1.92	3.82	4.64	4.04	4.09
25	3.55	2.54	2.14	1.93	1.11	.17	3.35	1.86	4.06	4.42	4.03	4.08
26	3.52	2.58	2.11	1.92	1.06	.13	3.30	1.81	4.00	4.36	4.02	4.08
27	3.50	2.62	2.08	1.90	1.03	.08	3.26	1.76	3.97	4.24	4.00	4.08
28	3.48	2.63	2.08	1.89	.99	-.01	3.21	1.66	4.00	4.16	3.97	4.07
29	3.45	2.62	2.12	1.88	---	.75	3.16	1.60	4.13	4.14	3.96	4.06
30	3.41	2.60	2.14	1.88	---	4.11	3.11	1.54	4.05	4.11	3.96	4.05
31	3.37	---	2.14	1.85	---	4.17	---	1.47	---	4.09	3.95	---
MEAN	3.75	2.88	2.33	1.98	1.47	.75	3.67	2.33	2.37	4.21	4.10	4.18
MAX	3.98	3.34	2.60	2.12	1.84	4.17	4.10	3.07	4.13	4.74	4.35	5.16
MIN	3.37	2.54	2.08	1.85	.99	-.01	3.11	1.47	1.34	4.03	3.95	3.94

ALAFIA RIVER BASIN

02300900 SCOTT LAKE NEAR LAKELAND, FL

LOCATION.--Lat 27°57'44", long 81°56'04", in NW ¼ sec.17, T.29 S., R.24 E., Polk County, Hydrologic Unit 03100204, on east shore of lake, 5.6 mi south of Lakeland.
SURFACE AREA.--287 acres (0.45 mi^2).
DRAINAGE AREA.--2.11 mi^2.
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 (twice weekly), incomplete; October 1977 to September 1999 (twice weekly), incomplete; October 1999 to current year (monthly), 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 above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above 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 south at datum 9.68 ft 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.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 169.19 ft, Sept. 13, 1960; minimum observed, 159.29 ft, Nov. 18, 1972.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 166.32 ft, Sept. 17; minimum observed, 164.00 ft, June 25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	164.04	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	165.47	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	164.83	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	164.94	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	166.32
18	---	---	165.25	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	165.55	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	165.76	---	---	---	---	---	164.54	---	---	164.70	---	---
24	---	---	---	---	---	---	---	---	---	---	---	166.31
25	---	---	---	---	---	---	---	---	164.00	---	---	---
26	---	---	---	---	---	164.55	---	---	---	---	---	---
27	---	165.39	---	---	164.79	---	---	---	---	---	165.47	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	164.98	---	---	---	164.08	---	---	---	---
30	165.66	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

HILLSBOROUGH RIVER BASIN

02303440 LAKE PADGETT NEAR LUTZ, FL

LOCATION.--Lat 28°12'12", long 82°27'43", in SW $\frac{1}{4}$ sec.24, T.26 S., R.18 E., Pasco County, Hydrologic Unit 03100205, on private dock, on west shore of lake, and 3.7 mi north of Lutz.
SURFACE AREA.--200 acres (0.31 mi^2).
DRAINAGE AREA.--6.6 mi^2, approximately.
PERIOD OF RECORD.--January 1965 to September 1966 (about weekly); October 1966 to January 1970 (fragmentary); February 1970 to September 1992; October 1992 to November 1998 (weekly); December 1998 to current year (monthly), incomplete.
GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Feb. 18, 1970, to Sept. 30, 1992, water-stage recorder at same site and datum.
REMARKS.--Lake is connected to Saxon Lake by a dredged channel and culverts.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 72.01 ft, Sept. 9, 1988; minimum observed, 66.38 ft, June 12, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 68.98 ft, Oct. 30; minimum observed, 66.48 ft, June 4.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	66.48	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	68.84	---
9	---	---	---	---	---	---	67.57	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	68.81	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	67.94	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	68.44	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	68.98	---	---	---	---	---	---	---	---	68.36	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02306600 LAKE CARROLL NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'58", long 82°29'08", in NE¼ sec.15, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on east shore of lake, 2.2 mi northwest of intersection Interstate 75 and Busch Boulevard at Sulphur Springs.
SURFACE AREA.--195 acres (0.30 mi^2).
DRAINAGE AREA.--1.66 mi^2.
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 September 1994 (incomplete); October 1994 to current year (monthly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.
REVISED RECORDS.--WRD FL-82-3A: Surface area.
GAGE.--Nonrecording gage. Datum of gage is 30.00 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Apr. 4, 1952, at site 0.5 mi northeast at same datum; Apr. 4, 1952, to Mar. 28, 1957, at site 900 ft northeast at same datum; Mar. 28, 1957, to Nov. 21, 1972, at site 200 ft north at same 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 and stop logs.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 40.08 ft on or about Sept. 25, 1947, from floodmark; minimum observed, 31.20 ft, May 31, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 35.10 ft, Oct. 4, 6; minimum observed, 31.20 ft, May 31.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	33.17	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	35.10	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	35.10	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	32.69	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	32.94	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	33.72	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	33.02	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	33.54	---	---	---	---	---	32.14	---	---	---	---	---
26	---	---	---	32.56	---	---	---	---	---	---	---	34.18
27	---	---	---	---	---	---	---	---	31.28	---	---	---
28	---	---	---	---	32.30	---	---	---	---	---	---	---
29	---	33.10	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	32.54	---	---	---	---	---	---
31	---	---	---	---	---	---	---	31.20	---	---	---	---

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 northwest of Lutz.
SURFACE AREA.--20.7 acres (0.03 mi²).
DRAINAGE AREA.--1.7 mi², approximately.
PERIOD OF RECORD.--April 1970 to September 1992; October 1992 to September 1994 (weekly); October 1994 to current year (monthly); incomplete.
GAGE.--Nonrecording gage. Datum of gage is 54.93 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD.
REMARKS.--Lake is connected by canals from Lake Joy and to Lake Virginia. Lake is near the Pasco County well field.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 63.90 ft, Dec. 15, 1997; minimum observed, 54.32 ft, June 18, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 59.40 ft, Oct. 5; minimum observed, 54.32 ft, June 18.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	59.40	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	57.26	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	56.28	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	59.19	---	---	---	---	---	56.10	---	---	54.80	---	---
17	---	---	---	---	---	---	---	---	---	---	---	56.44
18	---	---	---	---	---	---	---	---	54.32	---	---	---
19	---	---	---	---	56.56	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	55.90	---
21	---	58.38	---	---	---	---	---	55.06	---	---	---	---
22	---	---	---	56.76	---	---	---	---	---	---	55.88	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	58.34	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02306723 TURKEY FORD LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'45", long 82°32'30", in SE¼ sec.18, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on south shore of lake, 5.1 mi west of Lutz.
SURFACE AREA.--93.4 acres (0.15 mi^2).
DRAINAGE AREA.--9.8 mi^2, approximately.
PERIOD OF RECORD.--April 1970 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (monthly).
GAGE.--Nonrecording gage. Datum of gage is 48.30 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to May 19, 1971, water-stage recorder at site 0.5 mi north at same datum; May 19, 1971, to July 26, 1988, water-stage recorder at site 0.25 mi northeast at same datum; July 26, 1988, to Sept. 30, 1992, water-stage recorder at present site at same datum.
REMARKS.--Lake is near the Lutz and Cosme well fields. Outflow from lake is through Rocky Creek south to Rock Lake.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.31 ft, Sept. 9, 1988; minimum, 48.06 ft, June 13, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 52.38 ft, Sept. 26; minimum observed, 49.20 ft, June 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	50.39	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	51.90	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	49.78	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	50.39	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	50.60	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	50.38	---	---	---	---	---	---	51.51	---
23	---	---	---	---	50.26	---	---	---	---	---	---	---
24	51.02	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	50.00	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	52.38
27	---	---	---	---	---	50.14	---	---	49.20	---	---	---
28	---	50.74	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	51.20	---
30	---	50.70	---	50.30	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	49.28	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02306800 STARVATION LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'22", long 82°30'13", in NE¼ sec.21, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on east shore of lake, 3.2 mi southwest of Lutz.
SURFACE AREA.--50.4 acres (0.08 mi^2).
DRAINAGE AREA.--0.30 mi^2.
PERIOD OF RECORD.--June 1961 to November 1963 (weekly); December 1963 to September 1994 (incomplete); October 1994 to current year (weekly). 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 Nov. 19, 1963, nonrecording gage at same site at datum 0.30 ft higher; Nov. 19, 1963, to Sept. 30, 1994, water-stage recorder at same site at present datum.
REMARKS.--Lake is landlocked and in the Section 21 well field. Elevation is affected by pumpage into lake from nearby deep well and overflow from nearby pumping station.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 54.55 ft (estimated), Sept. 21, 1979; minimum, 40.20 ft, June 25, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 46.06 ft, Sept. 24; minimum observed, 40.20 ft, June 25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	42.97	---	---	40.89	---	---
3	45.71	---	---	43.92	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	40.59	---	---	---
5	45.68	---	44.38	---	---	---	42.85	---	---	---	---	42.07
6	---	---	---	---	43.65	43.11	---	---	---	---	42.37	---
7	---	44.76	---	---	---	---	---	41.65	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	43.82	---	---	42.73	---	---	---	---	---
10	45.48	---	---	---	---	---	---	---	---	40.77	---	42.61
11	---	---	---	---	---	---	---	---	40.60	---	---	---
12	---	---	44.28	---	---	42.93	---	---	---	---	---	---
13	---	---	---	---	43.53	---	---	---	---	---	---	---
14	---	44.70	---	---	---	---	---	41.41	---	---	42.60	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	42.50	---	---	41.23	---	---
17	45.28	---	---	43.73	---	---	---	---	---	---	---	45.26
18	---	---	44.18	---	---	---	---	---	40.28	---	---	---
19	---	---	---	---	---	42.88	---	---	---	---	---	---
20	---	---	---	---	43.31	---	---	---	---	---	---	---
21	---	44.55	---	---	---	---	---	41.08	---	---	42.29	---
22	---	---	---	43.69	---	---	---	---	---	---	---	---
23	45.16	---	---	43.70	---	---	42.16	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	41.79	---	46.06
25	---	---	---	---	---	---	---	---	40.20	---	---	---
26	---	---	---	---	43.14	42.75	---	---	---	---	---	---
27	---	44.50	---	---	---	---	---	---	---	---	---	---
28	---	---	43.82	---	---	---	---	---	---	---	42.42	---
29	---	44.49	---	43.58	---	---	---	40.79	---	---	---	---
30	---	---	---	---	---	---	41.91	---	---	42.09	---	---
31	44.96	---	---	---	---	---	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02307242 KEYSTONE LAKE NEAR ODESSA, FL

LOCATION.--Lat 28°08'50", long 82°35'40", in SW¼ sec.10, T.27 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, on left bank above liftgate outlet to Brooker Creek, 20 ft upstream from bridge on State Highway 582, 30 ft downstream from outlet of Keystone Lake, and 3.2 mi south of Odessa.
SURFACE AREA.--388 acres (0.61 mi^2).
DRAINAGE AREA.--10 mi^2, approximately.
PERIOD OF RECORD.--April 1946 to September 1974, records for Brooker Creek near Odessa; October 1974 to September 1987; October 1987 to September 1991 (monthly), incomplete; October 1991 to September 1996 (bimonthly), incomplete; October 1996 to current year (monthly). 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 National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Sept. 12, 1974, water-stage recorder at present site at datum 30.00 ft higher; Sept. 13, 1971, to Sept. 9, 1974, supplementary nonrecording gage 0.1 mi southwest at datum 10.00 ft higher; Sept. 12, 1974, to Sept. 30, 1987, water-stage recorder at site on west shore of lake 0.8 mi southwest at present datum.
REMARKS.--Lake is at the headwaters of Brooker Creek. Since May 1955, elevation in Keystone Lake regulated by vertical lift gates at control.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 43.60 ft, Mar. 19, 1960; minimum observed, 37.84 ft, June 27, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 41.30 ft, Oct. 5; minimum observed, 37.94 ft, June 26.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	41.30	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	39.31	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	38.57	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	38.51	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	40.20	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	39.54	---	---	---	---	---	---	---
24	40.94	---	---	39.74	---	---	---	---	---	---	40.20	---
25	---	---	---	---	---	---	38.90	---	---	---	---	---
26	---	---	---	---	---	---	---	---	37.94	38.85	---	---
27	---	40.48	---	---	---	39.20	---	---	---	---	---	41.12
28	---	---	---	---	---	---	---	---	---	---	40.10	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	40.46	---	39.66	---	---	---	37.96	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02307696 ALLIGATOR LAKE AT SAFETY HARBOR, FL

LOCATION.--Lat 27°58'45", long 82°41'43", 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 upstream from bridge on Bayshore Drive, and 0.8 mi southwest of Safety Harbor.
SURFACE AREA.--76.4 acres (0.12 mi^2).
DRAINAGE AREA.--9.0 mi^2, approximately.
PERIOD OF RECORD.--May 1948 to April 1959; October 1960 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (bimonthly). 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.--Nonrecording gage. 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 upstream at datum 0.85 ft lower; Oct. 13, 1960, to May 16, 1970, at present site at datum 1.19 ft lower.
REMARKS.--Lake is formed by fixed concrete control structure at elevation 5.0 ft and earth embankment, completed in September 1960. Prior to April 1959, concrete control at elevation 5.4 ft, 24-inch pipe and gate valve with invert at elevation 0.79 ft below NGVD, and earth embankment at site 160 ft upstream. Earth embankment was breached Apr. 5, 1959; elevation at gage subject to tide effect from Old Tampa Bay until structure was rebuilt.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.15 ft, Sept. 6, 1950; minimum, 2.30 ft, Oct. 13, 1948.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5.18 ft, Aug. 14; minimum observed, 4.51 ft, June 5.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	4.51	---	---	---
6	5.08	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	5.02	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	5.18	---
15	---	---	---	---	5.04	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	5.01	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	5.02	---	---	---	---	---	---	---	---	---	---	---

TAMPA BAY AND COASTAL AREAS

02308000 SAWGRASS LAKE NEAR PINELLAS PARK, FL

LOCATION.--Lat 27°50'32", long 82°39'49", in SE¼ sec.26, T.30 S., R.16 E., Pinellas County, Hydrologic Unit 03100206, on outlet control structure, 110 ft west of Interstate 275, and 2.2 mi east of Pinellas Park.
SURFACE AREA.--21.0 acres (0.03 mi^2).
DRAINAGE AREA.--3.97 mi^2.
PERIOD OF RECORD.--January 1977 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (bimonthly).
GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1992, water-stage recorder.
REMARKS.--Lake level regulated by concrete control structure.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.36 ft, Sept. 8, 1988; minimum, 0.80 ft (estimated), Apr. 18, 1977.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 4.62 ft, Aug. 9; minimum observed, 3.02 ft, June 5.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	3.02	---	---	---
6	4.19	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	4.62	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	3.59	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	4.54	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	4.03	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	3.59	---	---	---	---	---	---	---	---	---	---	---

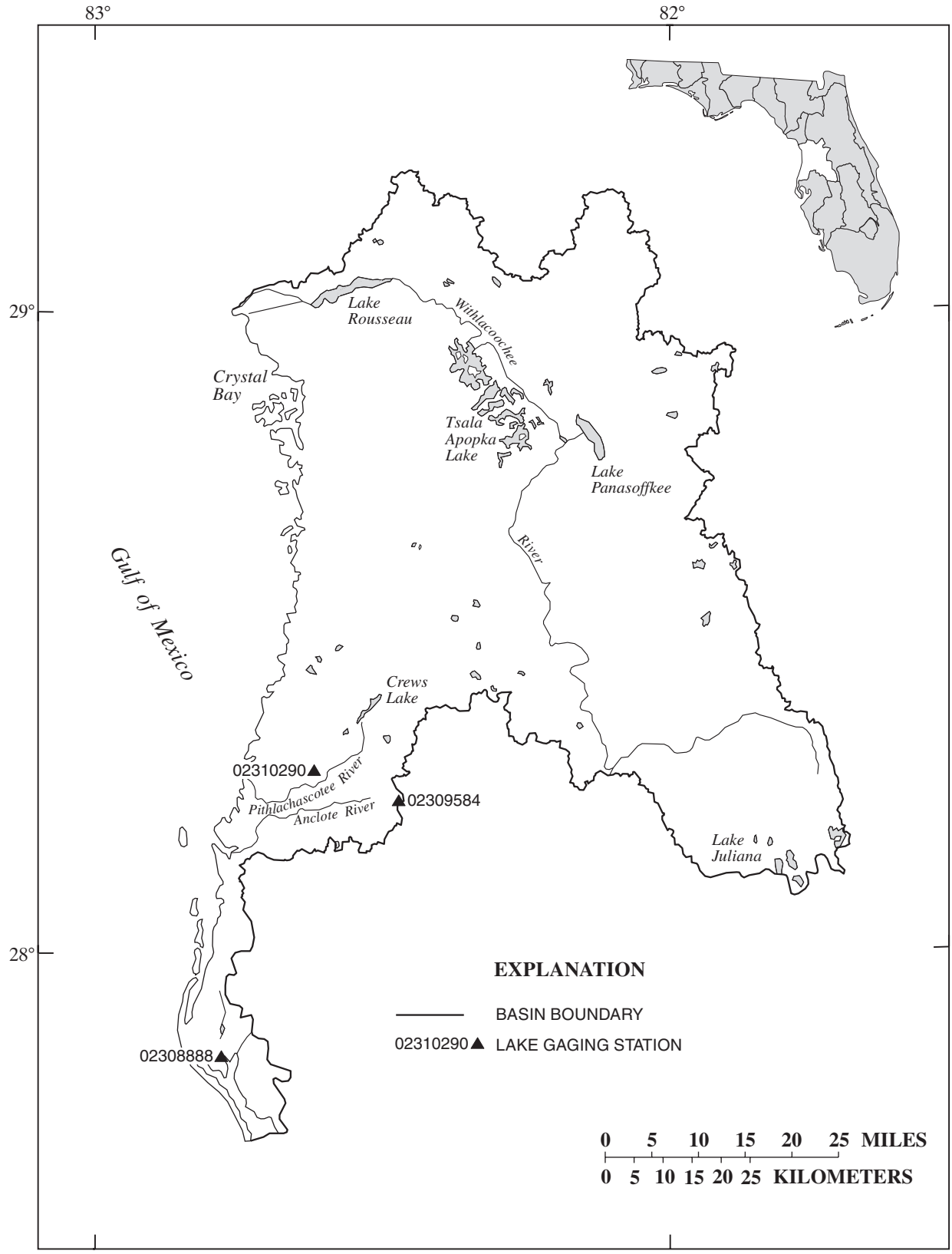

Figure 20.--Location of lake gaging stations in the Coastal area from Tampa Bay to Withlacoochee River.

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 west of highway bridge across spillway channel, and 5.2 mi south of Largo.
SURFACE AREA.--684 acres (1.07 mi^2).
DRAINAGE AREA.--6.94 mi^2.
PERIOD OF RECORD.--August 1950 to September 1973; October 1973 to March 1974 (fragmentary); April 1974 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (bimonthly). Records of elevations prior to October 1960 are available in files of the Geological Survey.
REVISED RECORDS.--WRD FL-79-3A: Surface area, drainage area.
GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (Pinellas County bench mark). Prior to Oct. 1, 1992, water-stage recorder.
REMARKS.--Outlet of lake is a 50 ft fixed concrete control structure with crest at average elevation of 5.0 ft. Greater part of inflow to Seminole Lake is regulated by pumps at north dam 3.0 mi above station. Pumpage at north dam represents natural flow of tributary above dam.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.22 ft, June 26, 1974; minimum, 2.92 ft, June 12, 1985.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5.05 ft, Aug. 9; minimum observed, 3.87 ft, June 5.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.62	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	3.87	---	---	---
6	4.96	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	5.05	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	4.68	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	4.83	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	4.82	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 southwest of Drexel.
SURFACE AREA.--162 acres (0.25 mi^2).
DRAINAGE AREA.--1.0 mi^2, approximately.
PERIOD OF RECORD.--April 1968 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to September 1999 (bimonthly); October 1999 to current year (monthly), incomplete.
GAGE.--Nonrecording gage. Datum of gage is 70.00 ft above National Geodetic Vertical Datum of 1929; gage readings have been reduced to elevations above NGVD. Prior to Oct. 1, 1992, water-stage recorder.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.79 ft, Sept. 9, 1988; minimum observed, 69.02 ft, June 4, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 71.12 ft, Oct. 11; minimum observed, 69.02 ft, June 4.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	69.02	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	70.76	---	---	---	70.00	---	---	---	---	70.79	---
9	---	---	---	---	---	---	70.00	---	---	---	---	---
10	---	---	---	---	---	---	69.98	69.34	---	---	---	---
11	71.12	---	---	70.22	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	69.29	---	---	---
13	---	---	70.50	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	70.72	---
15	---	---	---	---	70.20	---	---	---	---	---	---	---
16	---	---	---	---	70.20	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	70.46	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	69.76	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	70.88	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	70.55	---	---

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE 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 southwest shore of lake, on private dock, 6.5 mi northeast of New Port Richey, and 6.5 mi north of Odessa.
SURFACE AREA.--98.2 acres (0.15 mi^2).
DRAINAGE AREA.--0.37 mi^2.
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 northwest on northwest shore of lake at same datum.
REMARKS.--Lake has no surface outlet.
COOPERATION.--Elevations provided by Southwest Florida Water Management District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 41.17 ft, Mar. 9, 1998; minimum observed, 33.60 ft, June 20, 2001.
EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 35.95 ft, Oct. 2; minimum observed, 33.60 ft, June 20.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	35.46	35.23	34.97	---	---	---	---	33.83	---	34.61	---
2	35.95	---	---	---	35.13	34.96	34.97	34.44	---	34.09	---	---
3	---	35.44	---	34.96	---	---	34.96	---	---	---	34.73	34.63
4	35.93	---	35.18	---	---	---	34.95	34.41	33.85	34.19	---	---
5	---	---	---	34.95	35.13	34.96	---	---	---	---	---	34.65
6	35.89	35.41	35.16	---	---	---	34.93	---	33.87	34.19	34.83	---
7	---	---	---	---	35.12	34.91	---	34.34	---	---	---	34.61
8	---	35.39	35.14	35.02	---	---	---	34.33	33.84	---	34.83	---
9	35.85	---	---	---	35.11	34.88	34.89	34.29	---	34.17	---	---
10	---	35.37	---	34.99	---	---	---	---	---	---	34.82	34.86
11	35.79	---	35.13	---	---	---	34.87	34.24	33.77	34.21	---	---
12	---	---	---	34.98	35.11	34.86	---	---	---	34.27	---	34.85
13	35.75	35.33	35.16	---	---	---	34.85	---	33.72	34.28	34.78	---
14	---	---	---	---	35.10	34.85	---	34.20	---	---	---	35.27
15	---	35.33	35.16	34.98	---	---	---	---	33.69	---	34.76	---
16	35.67	---	---	---	35.09	34.84	34.80	34.17	---	34.26	---	---
17	---	35.31	---	34.97	---	---	---	---	---	---	34.76	35.43
18	35.65	---	35.15	---	---	---	34.74	34.14	33.62	34.29	---	---
19	---	---	---	34.95	35.05	34.83	---	---	---	---	---	35.45
20	35.63	35.25	35.12	---	---	---	34.68	---	33.60	34.26	34.74	---
21	---	---	---	---	35.04	34.90	---	34.07	---	---	---	35.45
22	---	35.22	35.07	34.93	---	---	---	---	33.63	---	34.71	---
23	35.58	---	---	34.93	35.03	34.87	34.63	34.03	---	34.36	---	---
24	---	35.18	---	34.92	---	---	---	---	---	---	34.69	35.49
25	35.56	---	35.06	---	---	---	34.60	33.99	33.74	34.37	---	35.60
26	35.58	---	---	34.90	34.99	34.85	---	---	---	34.56	---	35.56
27	35.54	35.27	35.03	---	---	---	34.56	---	33.73	34.56	34.72	---
28	---	35.27	---	---	34.98	34.82	---	33.91	33.93	---	---	35.59
29	---	35.24	35.01	34.88	---	---	---	---	34.04	---	34.69	---
30	35.49	35.26	---	---	---	34.97	34.47	33.87	---	34.62	34.62	---
31	---	---	---	35.06	---	---	---	---	---	---	34.71	---

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Alkalinity, definition of 22
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Annual 7-day minimum, definition of 22
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Ash mass, definition of 22
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Bedload discharge, definition of 23
Bed material, definition of 23
Benthic organisms, definition of 23
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